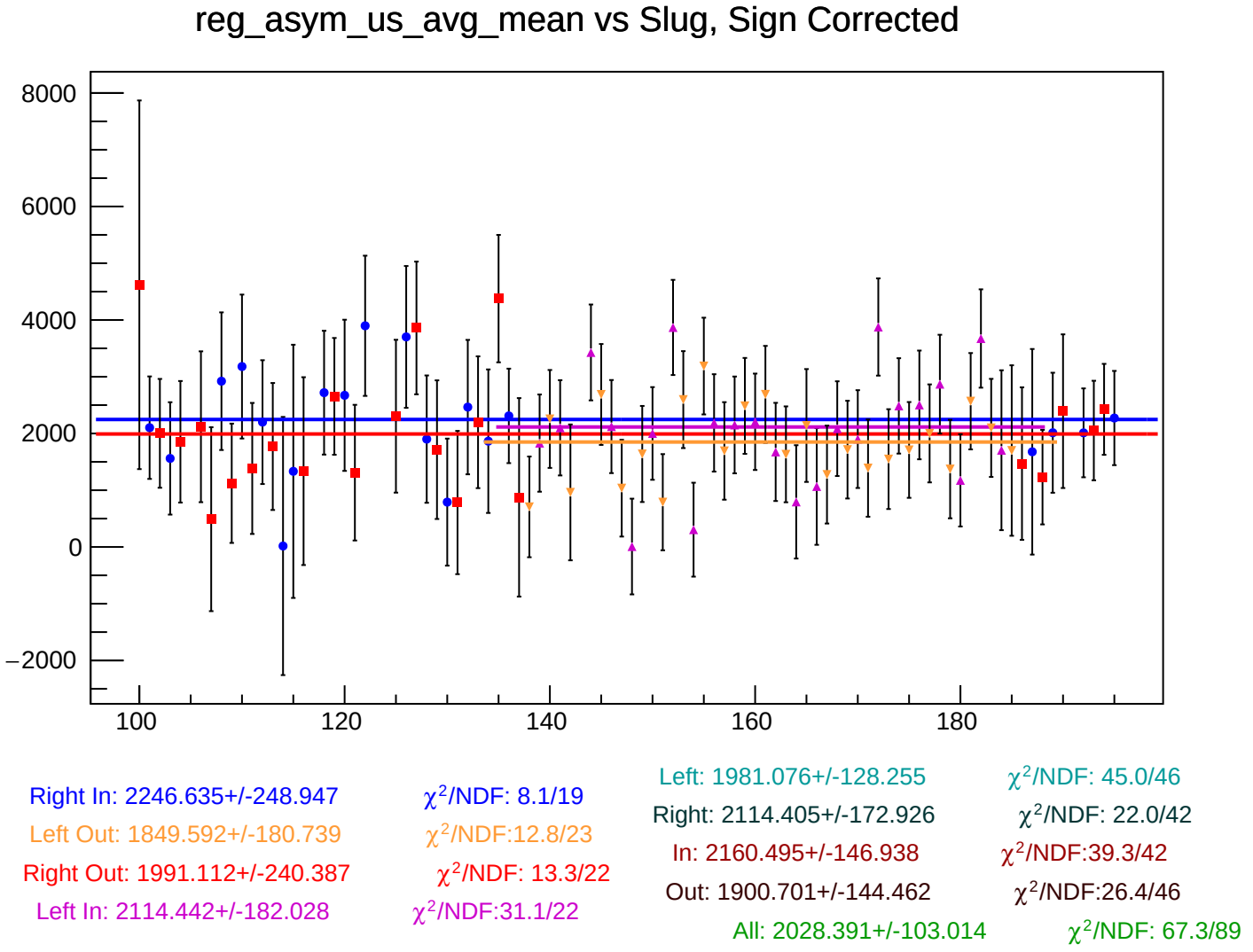
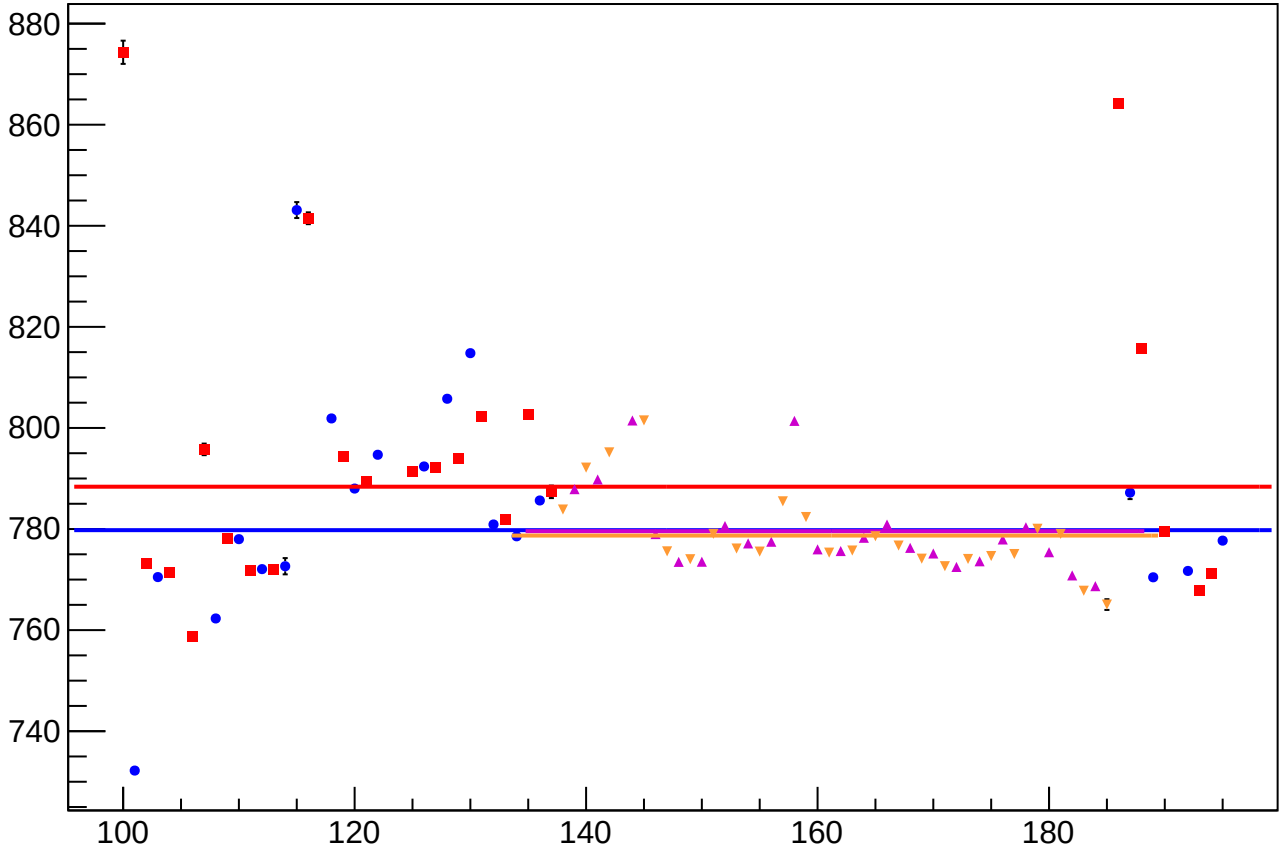

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
Right In: 2246.635+/-248.947
χ²/NDF: 8.1/19
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 1991.112+/-240.387
χ²/NDF: 13.3/22
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2114.405+/-172.926
χ²/NDF: 22.0/42
In: 2160.495+/-146.938
χ²/NDF:39.3/42
Out: 1900.701+/-144.462
χ²/NDF:26.4/46
All: 2028.391+/-103.014
χ²/NDF: 67.3/89

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 779.778+/-0.176 χ^2/NDF: 12816.4/19

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

Right Out: 788.375+/-0.170 χ^2/NDF: 17945.1/22

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

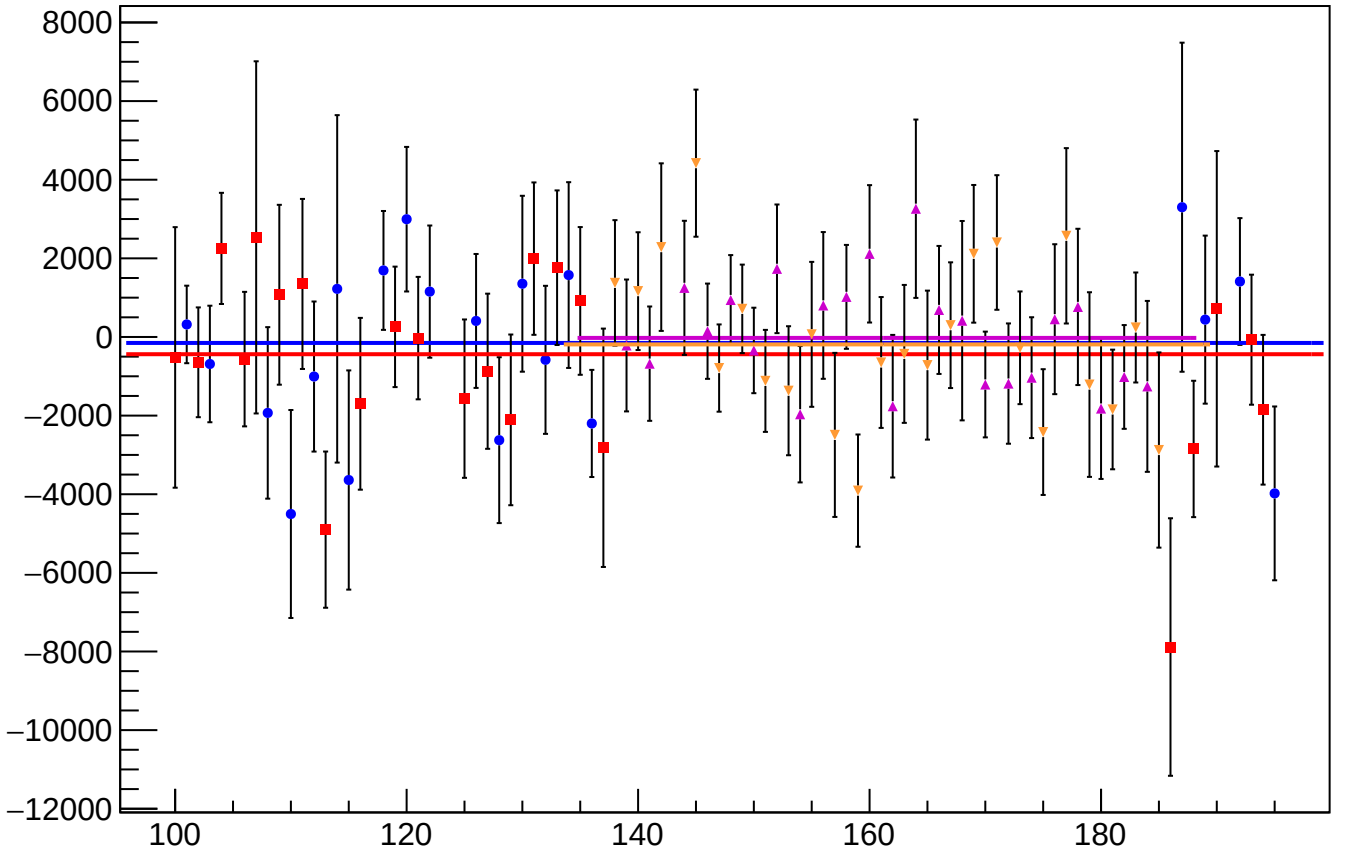
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 784.227+/-0.122 χ^2/NDF: 31996.0/42

In: 779.646+/-0.104 χ^2/NDF:16990.2/42

Out: 782.200+/-0.102 χ^2/NDF:23401.2/46

All: 780.944+/-0.073 χ^2/NDF: 40698.7/89



Right In: -151.722+/-407.818 χ^2/NDF: 20.1/19

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

Right Out: -438.453+/-409.493 χ^2/NDF: 23.6/22

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

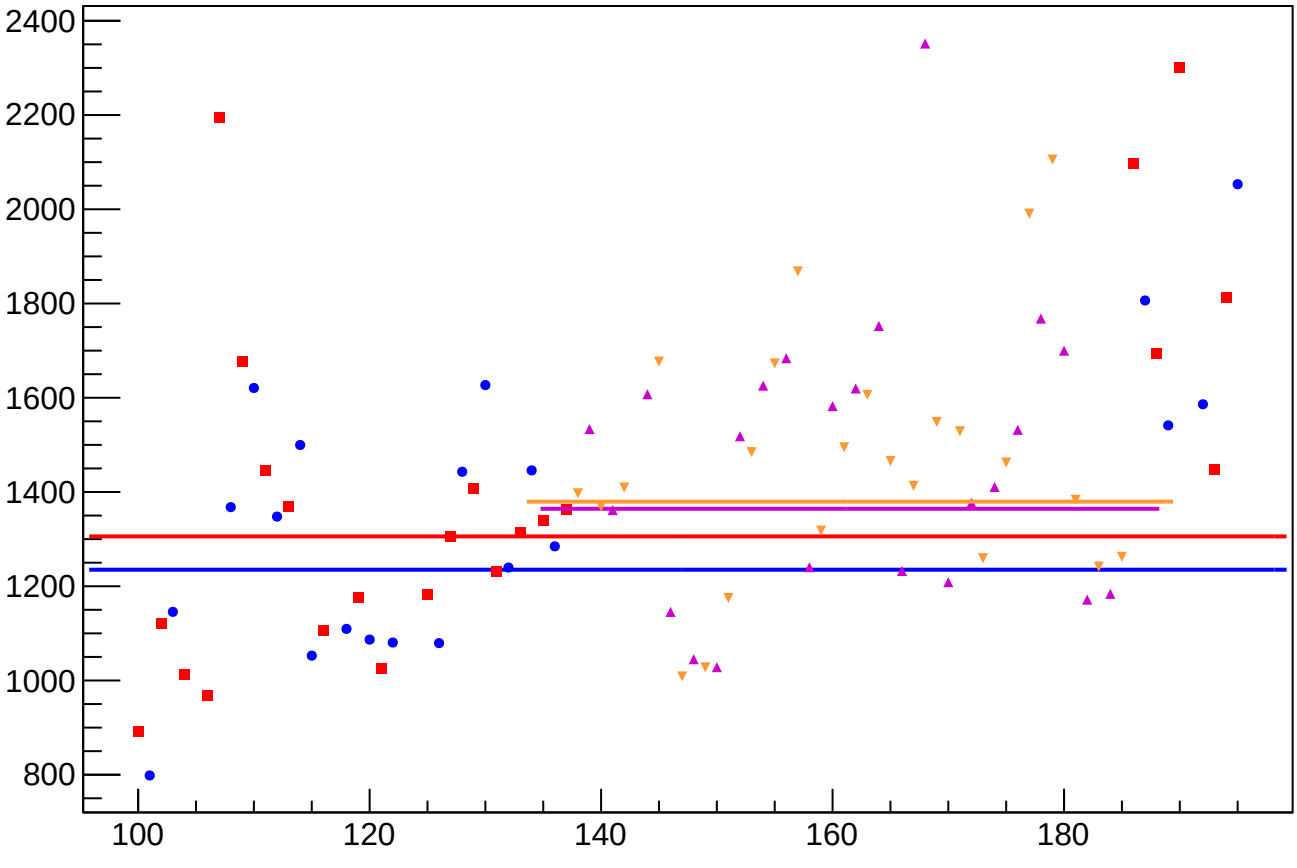
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -294.500+/-288.961 χ^2/NDF: 43.9/42

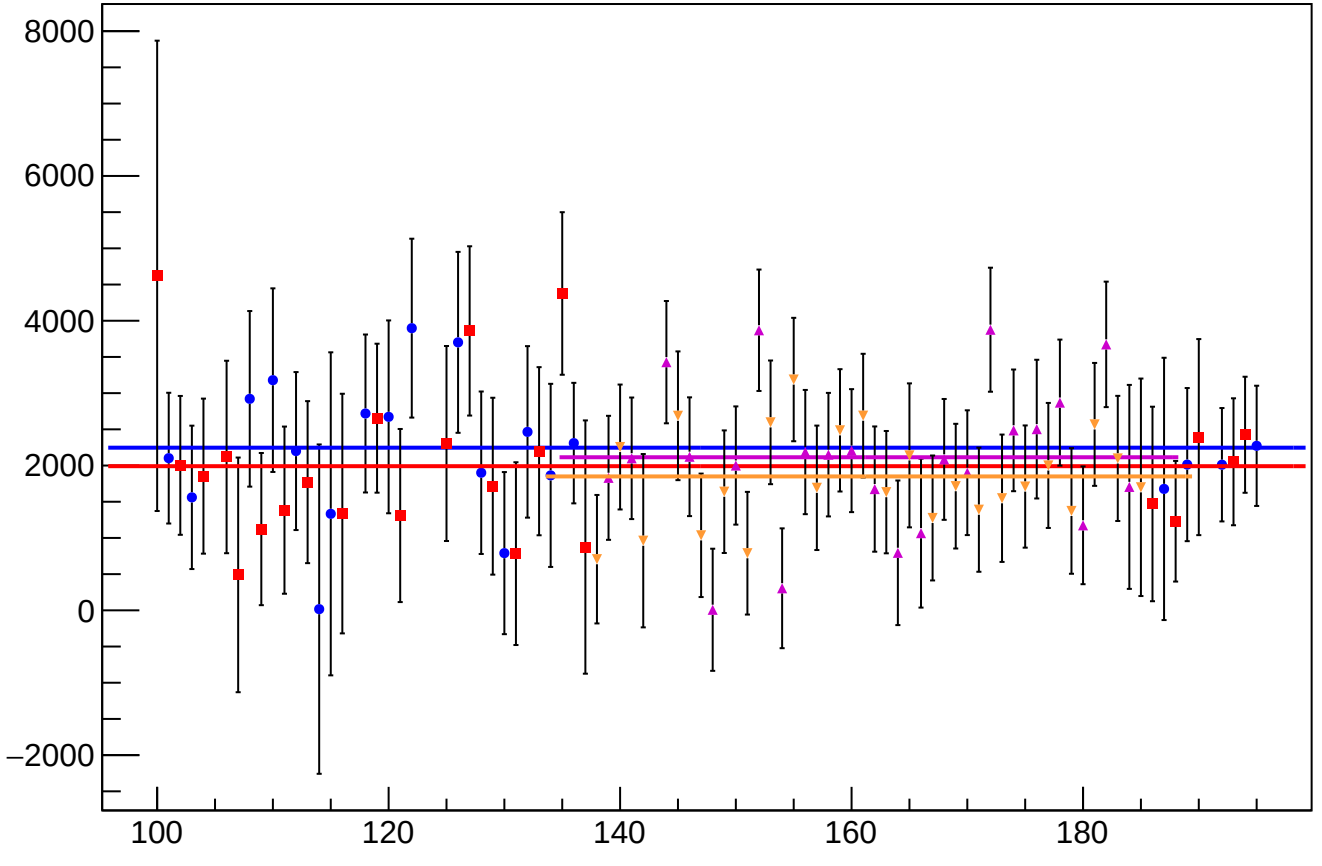
In: -73.607+/-254.550 χ^2/NDF:33.6/42

Out: -286.380+/-255.846 χ^2/NDF:53.4/46

All: -179.453+/-180.450 χ^2/NDF: 87.3/89


asym_us_avg_reg_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
Right In: 1235.085+/-0.288 χ²/NDF: 1079093.0/19
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1305.719+/-0.290 χ²/NDF: 981483.7/22
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1270.257+/-0.204 χ²/NDF: 2090451.7/42
In: 1314.027+/-0.180 χ²/NDF:2514162.8/42
Out: 1350.721+/-0.181 χ²/NDF:2179573.3/46
All: 1332.281+/-0.128 χ²/NDF: 4714410.1/89

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2246.635+/-248.947 χ^2/NDF: 8.1/19

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

Right Out: 1991.112+/-240.387 χ^2/NDF: 13.3/22

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

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

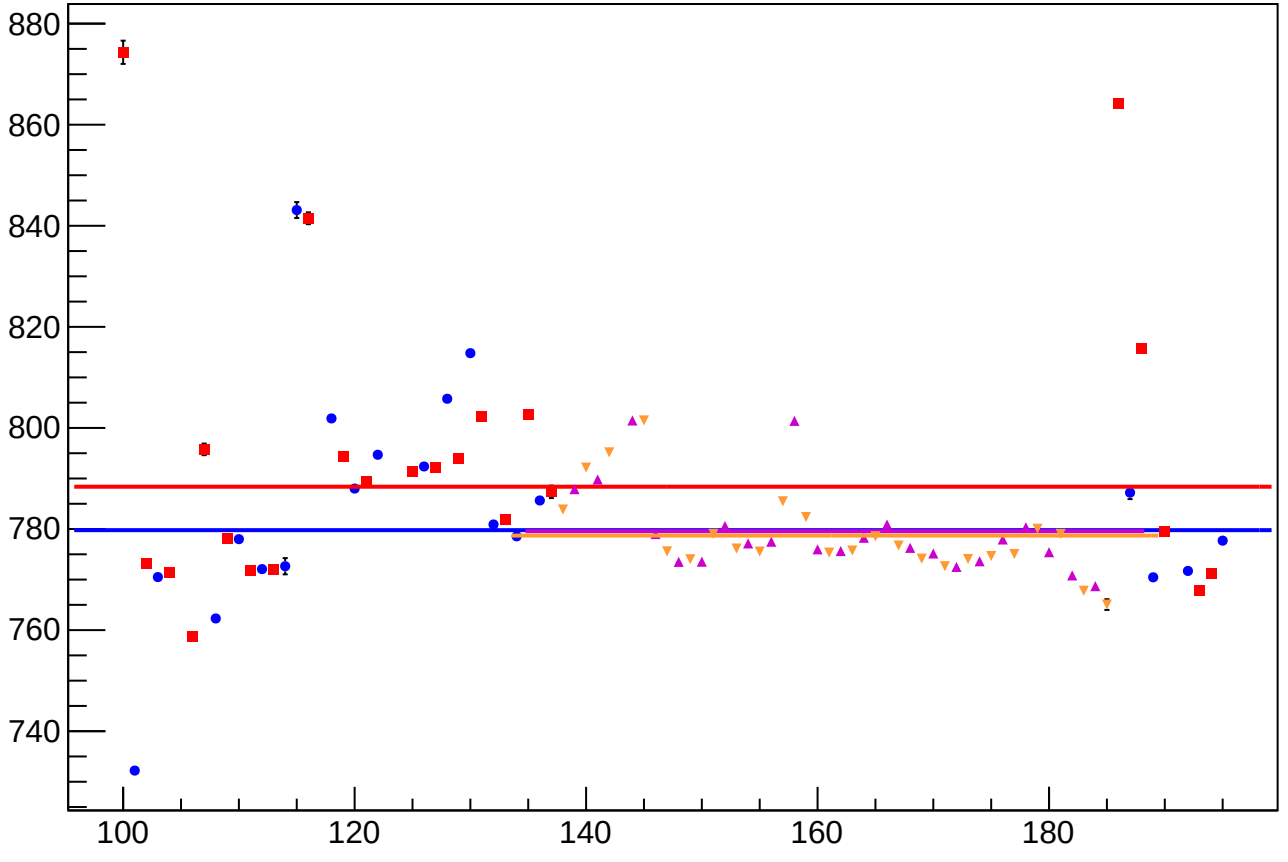
Right: 2114.405+/-172.926 χ^2/NDF: 22.0/42

In: 2160.495+/-146.938 χ^2/NDF:39.3/42

Out: 1900.701+/-144.462 χ^2/NDF:26.4/46

All: 2028.391+/-103.014 χ^2/NDF: 67.3/89

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 779.778+/-0.176 χ^2/NDF: 12816.4/19

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

Right Out: 788.375+/-0.170 χ^2/NDF: 17945.1/22

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

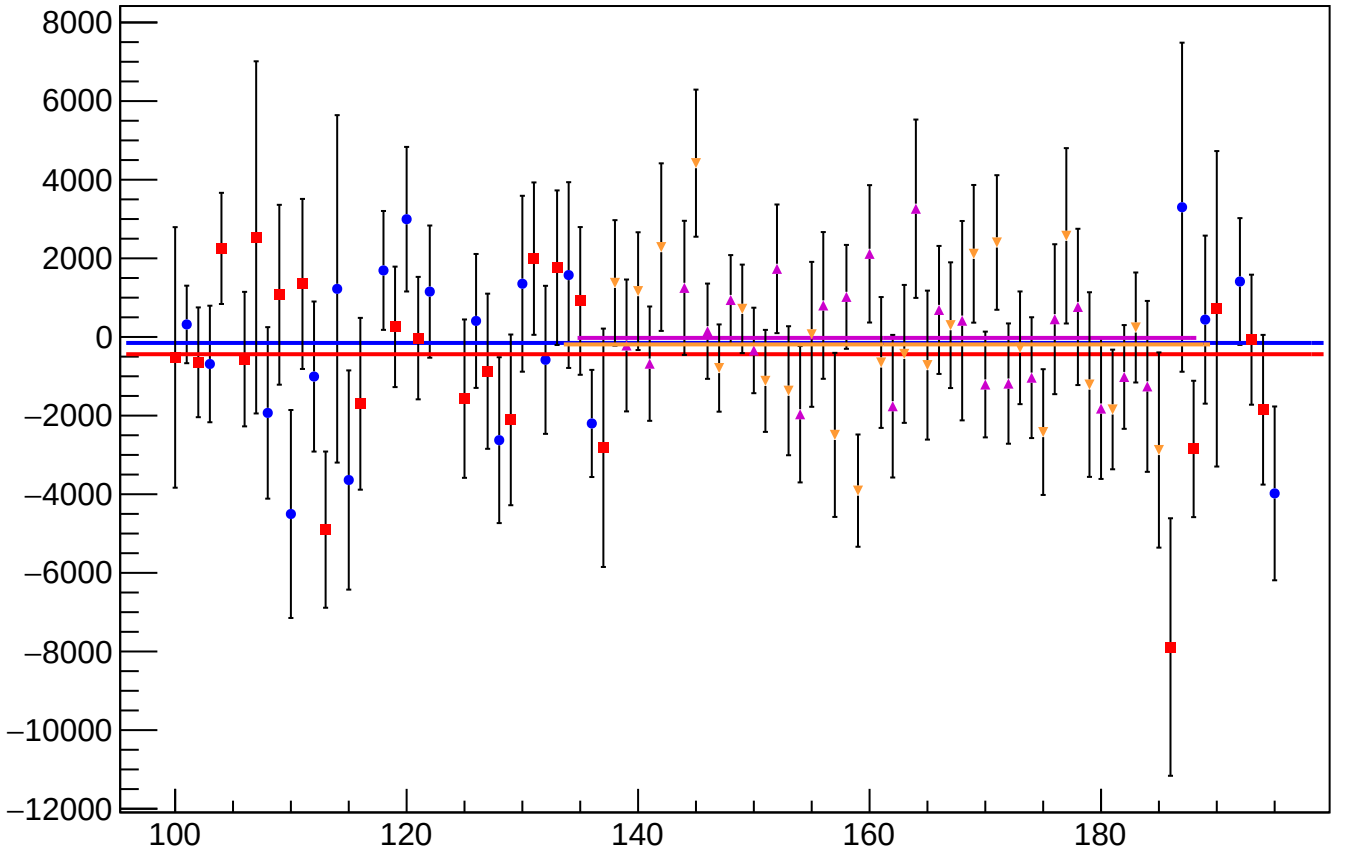
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 784.227+/-0.122 χ^2/NDF: 31996.0/42

In: 779.646+/-0.104 χ^2/NDF:16990.2/42

Out: 782.200+/-0.102 χ^2/NDF:23401.2/46

All: 780.944+/-0.073 χ^2/NDF: 40698.7/89



Right In: -151.722+/-407.818 χ^2/NDF: 20.1/19

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

Right Out: -438.453+/-409.493 χ^2/NDF: 23.6/22

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

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

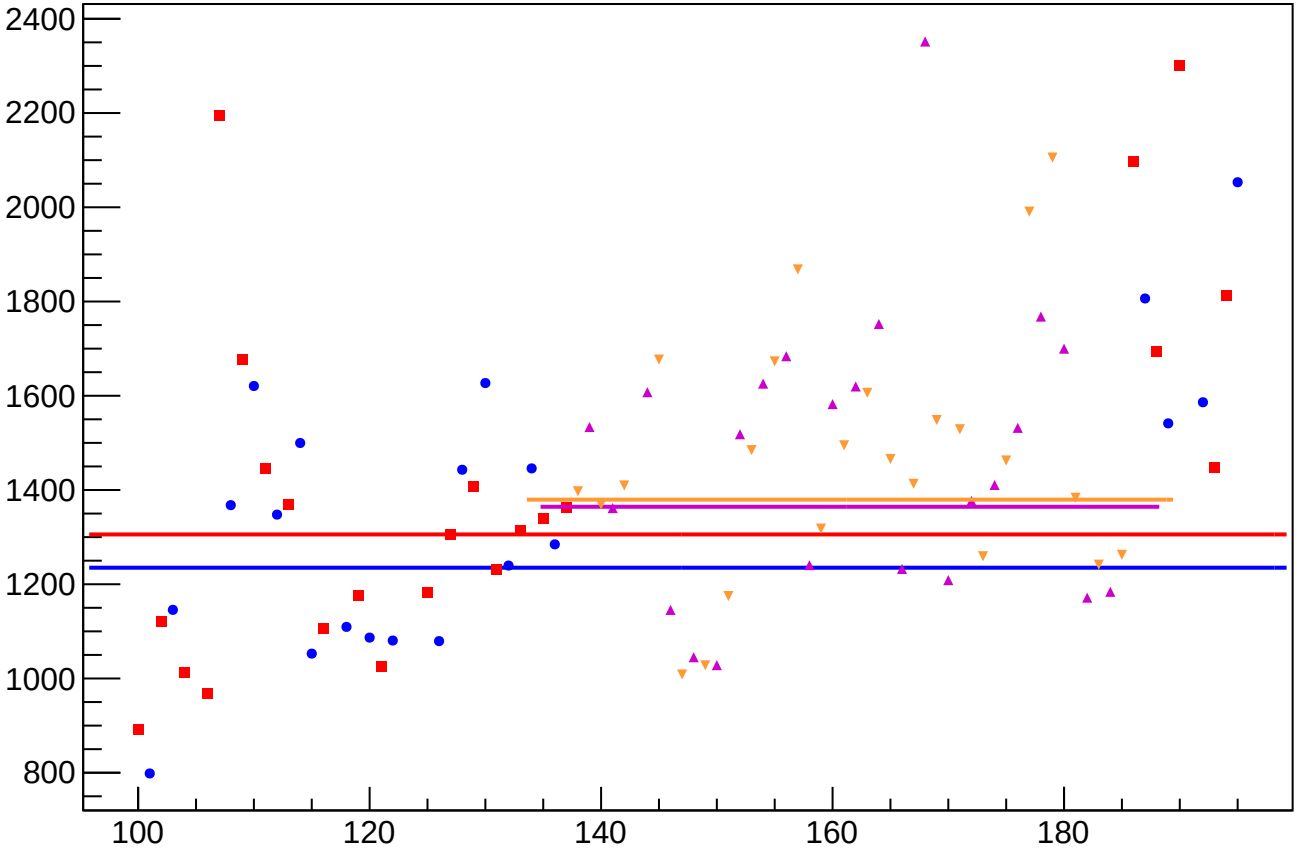
Right: -294.500+/-288.961 χ^2/NDF: 43.9/42

In: -73.607+/-254.550 χ^2/NDF:33.6/42

Out: -286.380+/-255.846 χ^2/NDF:53.4/46

All: -179.453+/-180.450 χ^2/NDF: 87.3/89

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1235.085+/-0.288 χ^2/NDF: 1079093.0/19

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

Right Out: 1305.719+/-0.290 χ^2/NDF: 981483.7/22

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

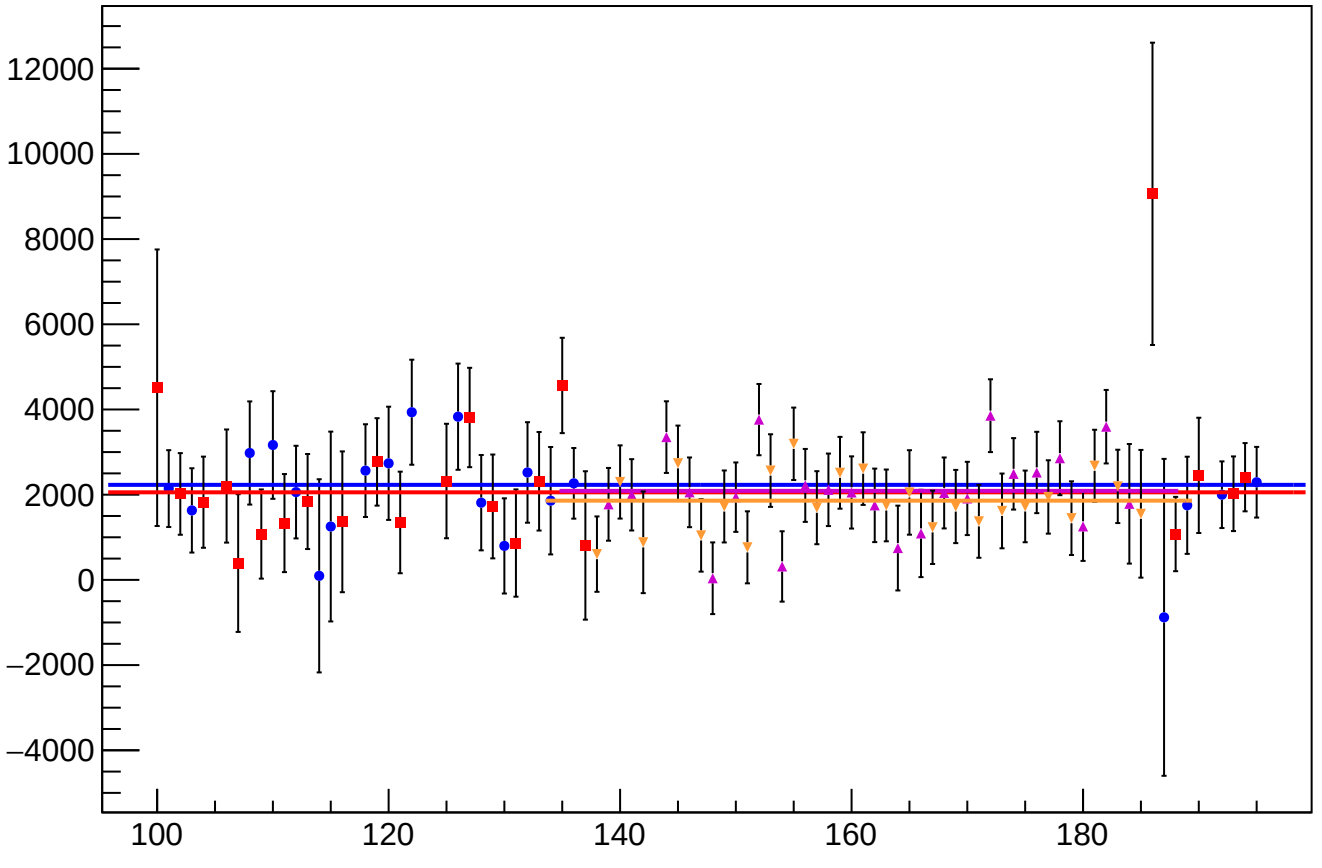
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1270.257+/-0.204 χ^2/NDF: 2090451.7/42

In: 1314.027+/-0.180 χ^2/NDF:2514162.8/42

Out: 1350.721+/-0.181 χ^2/NDF:2179573.3/46

All: 1332.281+/-0.128 χ^2/NDF: 4714410.1/89



Right In: 2230.772+/-251.241 χ^2/NDF: 9.1/19

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

Right Out: 2055.427+/-244.219 χ^2/NDF: 18.3/22

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

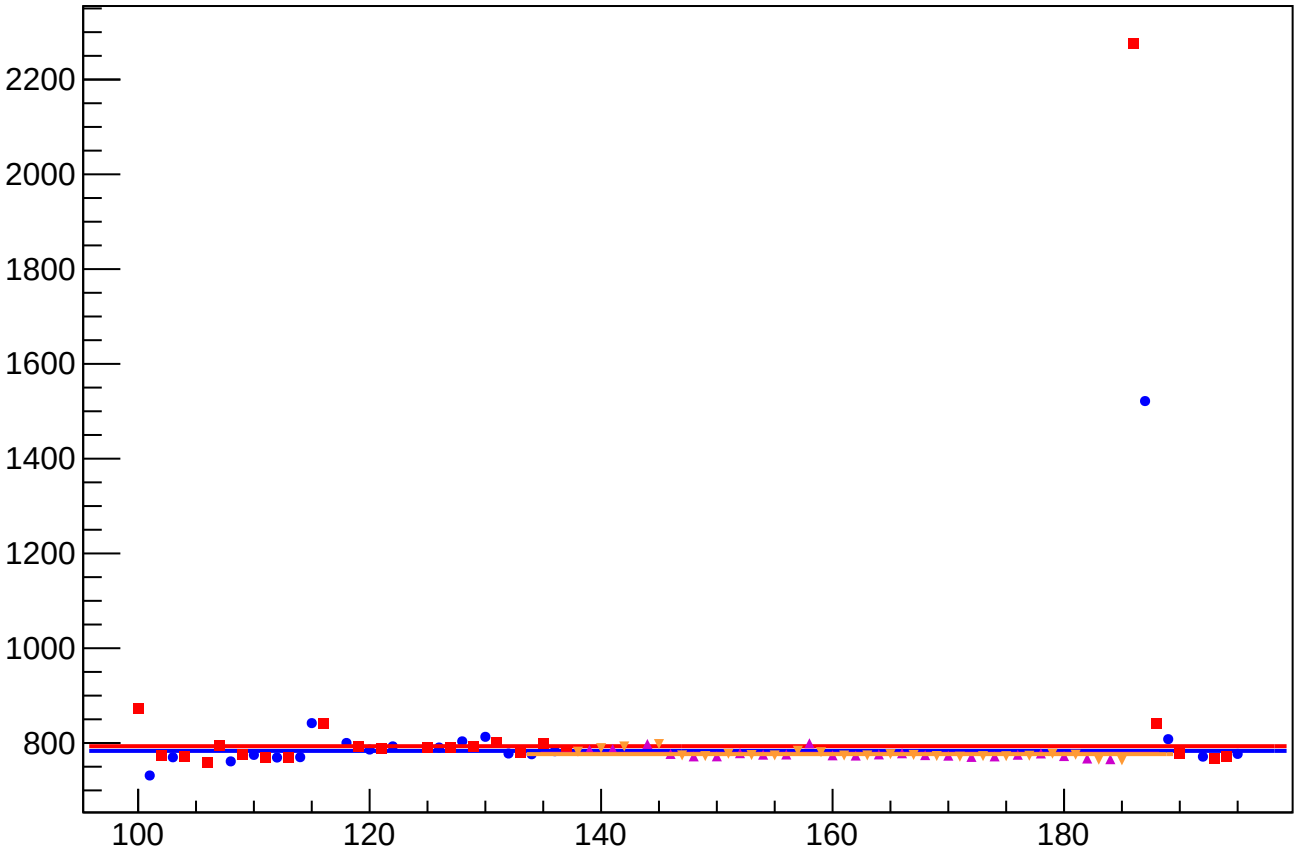
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2140.615+/-175.119 χ^2/NDF: 27.7/42

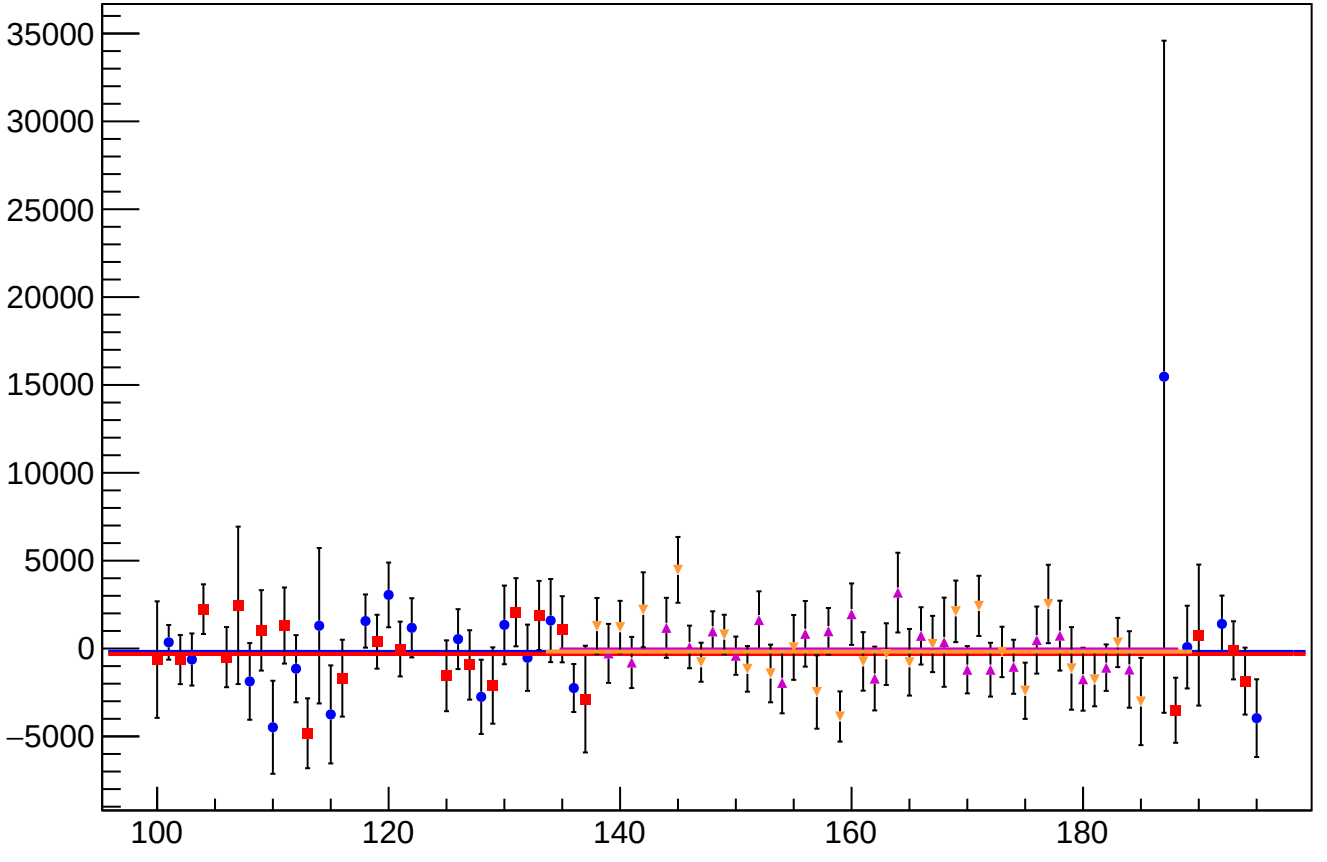
In: 2137.948+/-147.137 χ^2/NDF:38.9/42

Out: 1928.601+/-145.016 χ^2/NDF:32.3/46

All: 2031.755+/-103.284 χ^2/NDF: 72.2/89


overload_cor_asym_us_avg_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
Right In: 783.343+/-0.178 χ²/NDF: 92689.9/19
Left Out: 776.523+/-0.127 χ²/NDF:3137.1/23
Right Out: 793.288+/-0.173 χ²/NDF: 367784.9/22
Left In: 777.413+/-0.128 χ²/NDF:4062.1/22
Left: 776.965+/-0.090 χ²/NDF: 7223.5/46
Right: 788.457+/-0.124 χ²/NDF: 462086.1/42
In: 779.447+/-0.104 χ²/NDF:97484.3/42
Out: 782.434+/-0.103 χ²/NDF:377024.1/46
All: 780.962+/-0.073 χ²/NDF: 474926.6/89

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -191.438+/-411.372 χ^2/NDF: 20.3/19

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

Right Out: -310.013+/-414.494 χ^2/NDF: 19.3/21

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

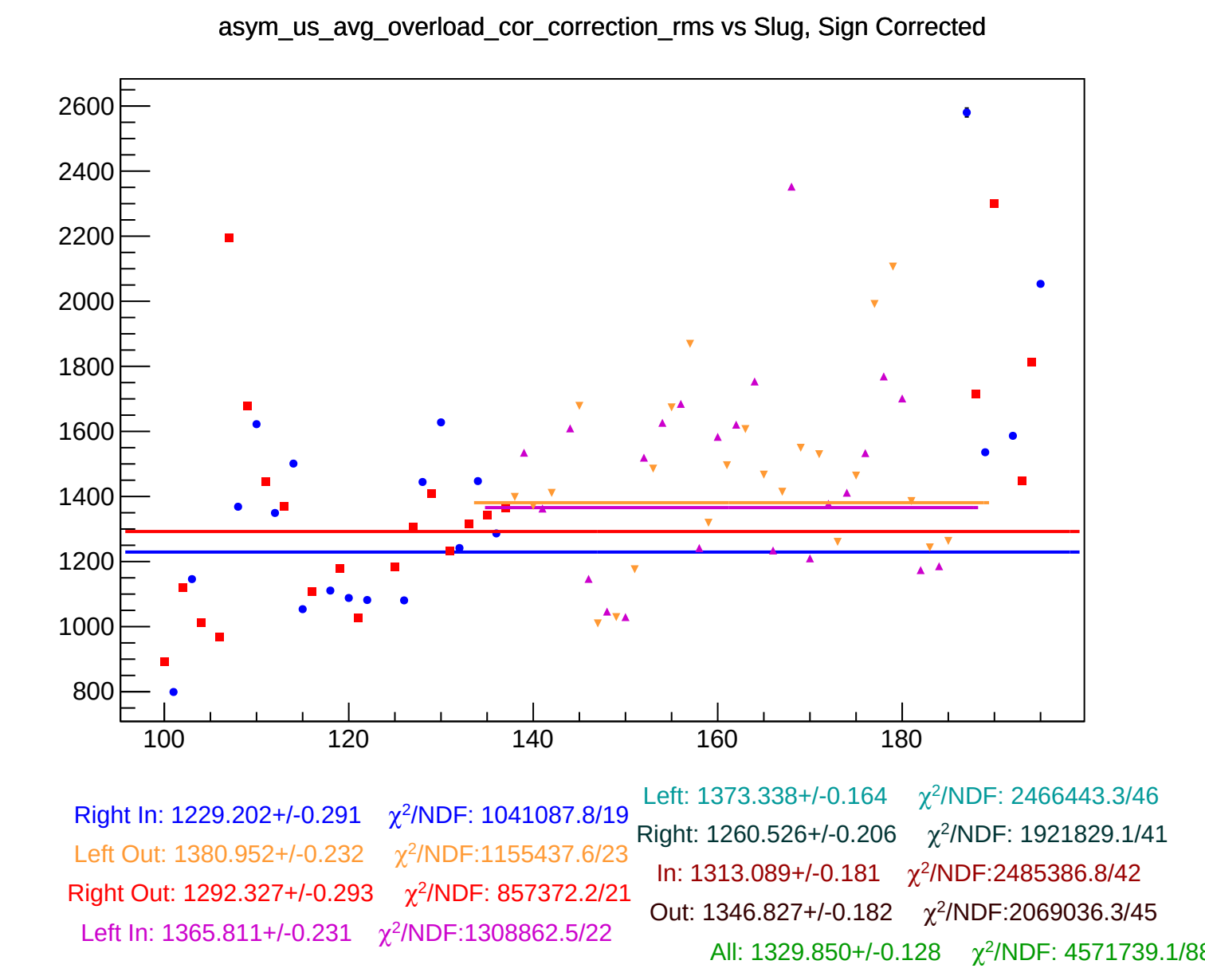
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

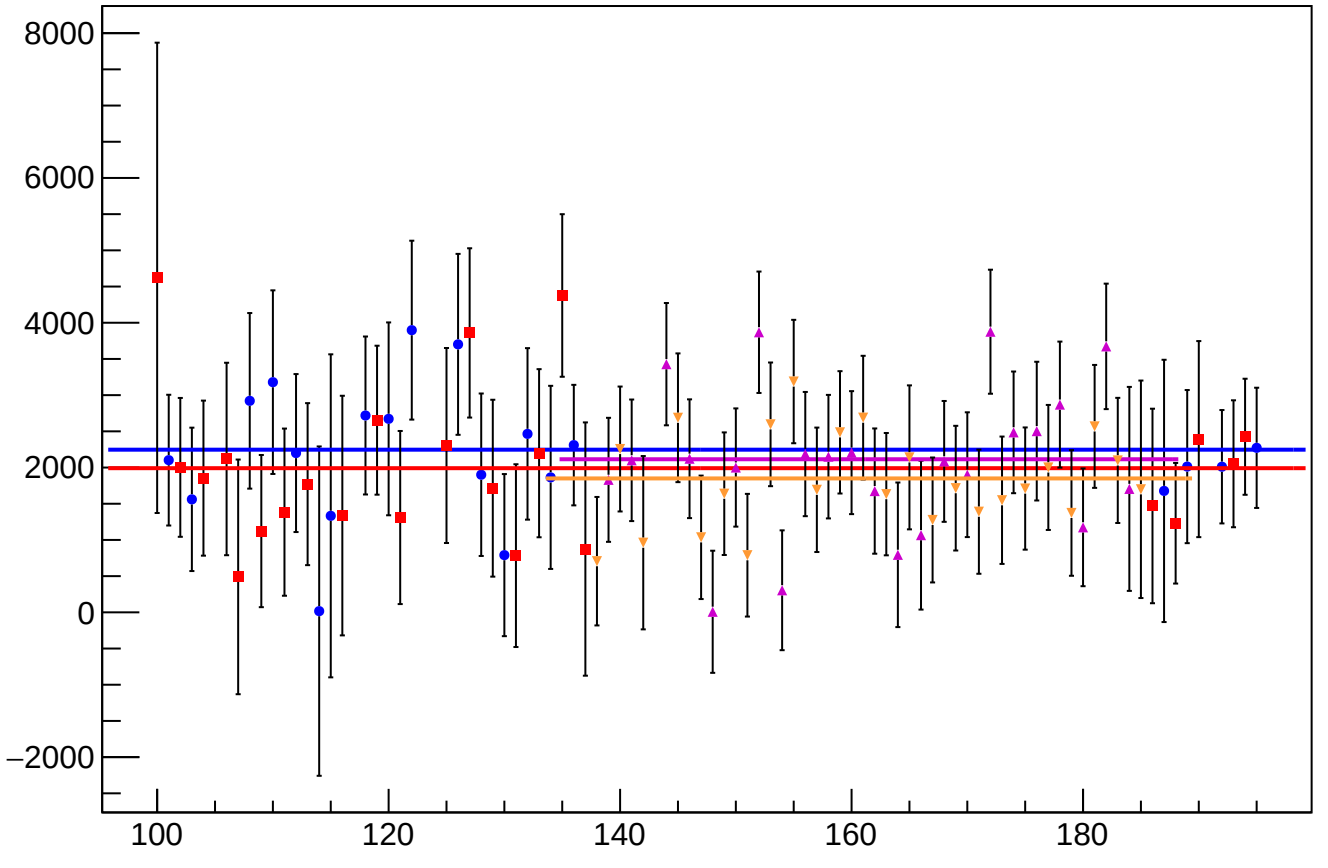
Right: -250.277+/-291.981 χ^2/NDF: 39.6/41

In: -106.317+/-255.559 χ^2/NDF:33.3/42

Out: -226.946+/-257.205 χ^2/NDF:49.0/45

All: -166.244+/-181.287 χ^2/NDF: 82.4/88


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
Right In: 1229.202+/-0.291 χ²/NDF: 1041087.8/19
Left Out: 1380.952+/-0.232 χ²/NDF:1155437.6/23
Right Out: 1292.327+/-0.293 χ²/NDF: 857372.2/21
Left In: 1365.811+/-0.231 χ²/NDF:1308862.5/22
Left: 1373.338+/-0.164 χ²/NDF: 2466443.3/46
Right: 1260.526+/-0.206 χ²/NDF: 1921829.1/41
In: 1313.089+/-0.181 χ²/NDF:2485386.8/42
Out: 1346.827+/-0.182 χ²/NDF:2069036.3/45
All: 1329.850+/-0.128 χ²/NDF: 4571739.1/88



Right In: 2246.635+/-248.947 χ^2/NDF: 8.1/19

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

Right Out: 1991.112+/-240.387 χ^2/NDF: 13.3/22

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

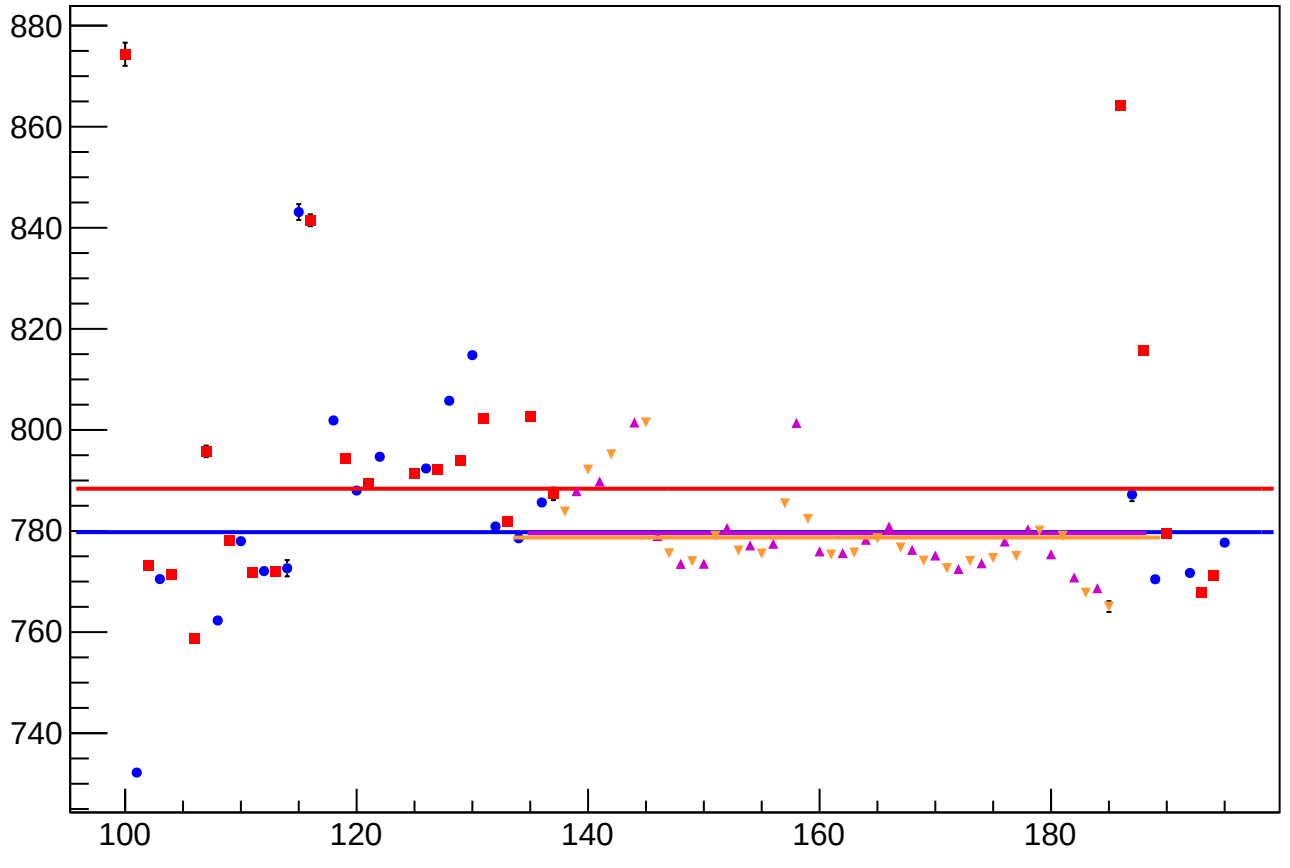
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2114.405+/-172.926 χ^2/NDF: 22.0/42

In: 2160.495+/-146.938 χ^2/NDF:39.3/42

Out: 1900.701+/-144.462 χ^2/NDF:26.4/46

All: 2028.391+/-103.014 χ^2/NDF: 67.3/89



Right In: 779.778+/-0.176 χ^2/NDF: 12816.4/19

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

Right Out: 788.375+/-0.170 χ^2/NDF: 17945.1/22

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

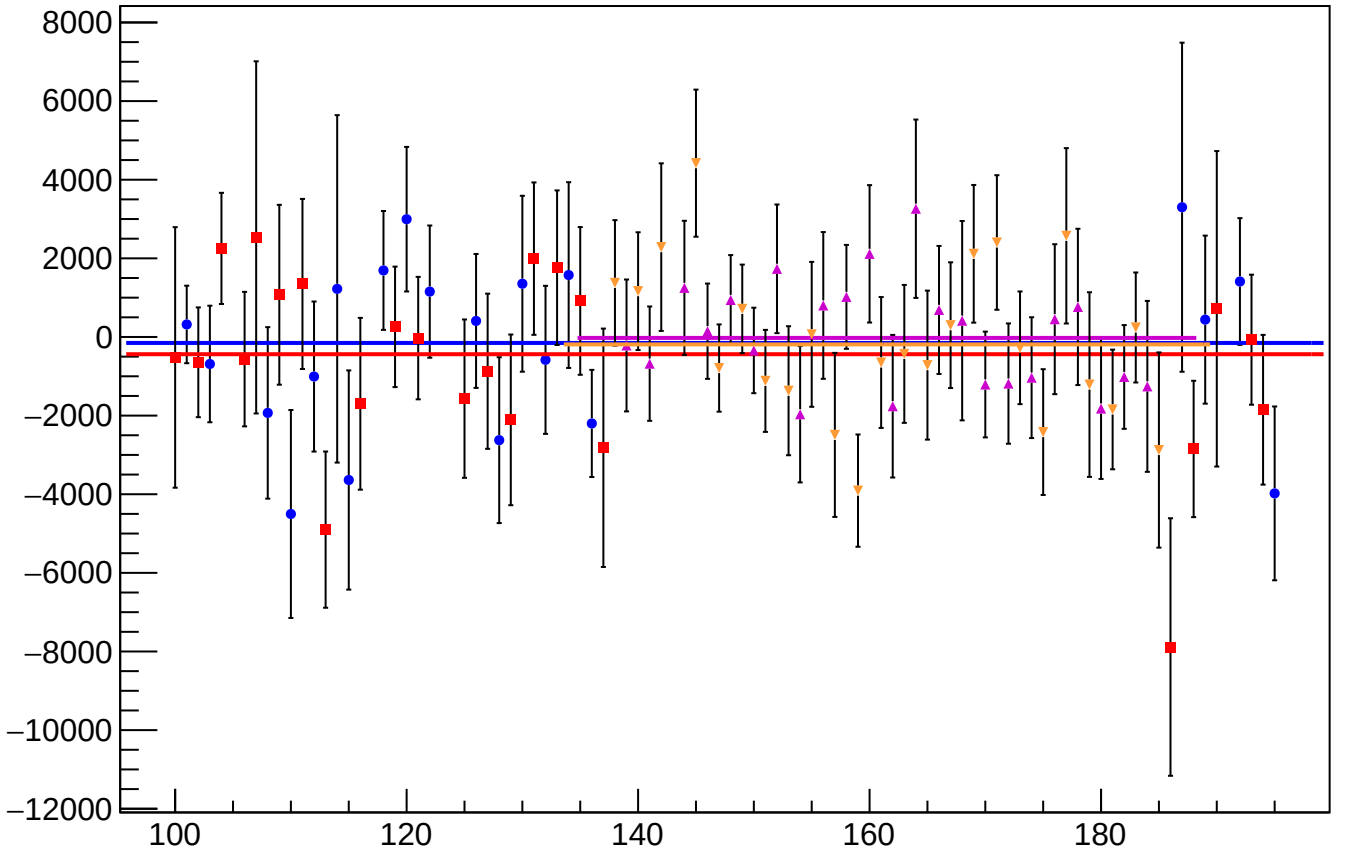
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 784.227+/-0.122 χ^2/NDF: 31996.0/42

In: 779.646+/-0.104 χ^2/NDF:16990.2/42

Out: 782.200+/-0.102 χ^2/NDF:23401.2/46

All: 780.944+/-0.073 χ^2/NDF: 40698.7/89



Right In: -151.722+/-407.818 χ^2/NDF: 20.1/19

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

Right Out: -438.453+/-409.493 χ^2/NDF: 23.6/22

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

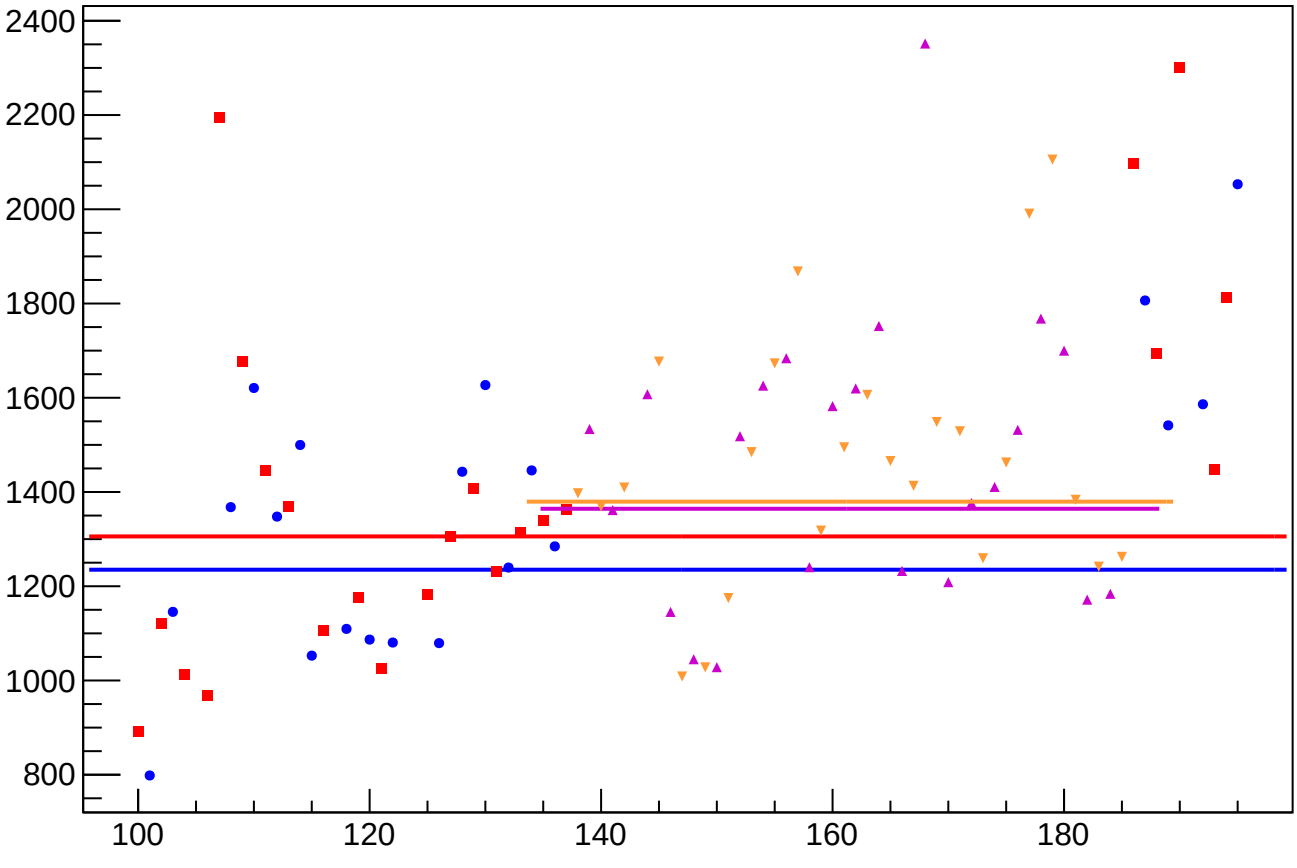
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -294.500+/-288.961 χ^2/NDF: 43.9/42

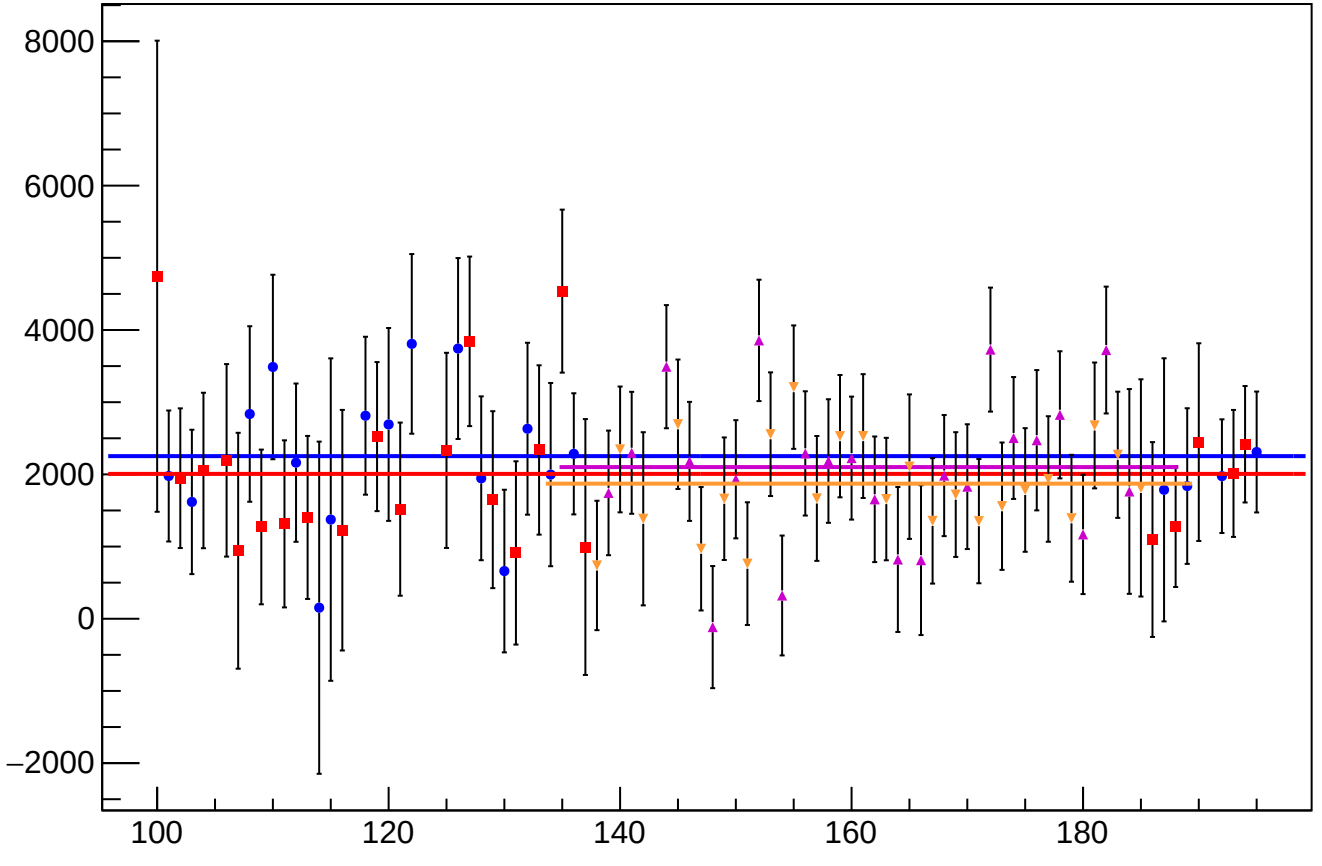
In: -73.607+/-254.550 χ^2/NDF:33.6/42

Out: -286.380+/-255.846 χ^2/NDF:53.4/46

All: -179.453+/-180.450 χ^2/NDF: 87.3/89


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
Right In: 1235.085+/-0.288 χ²/NDF: 1079093.0/19
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1305.719+/-0.290 χ²/NDF: 981483.7/22
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1270.257+/-0.204 χ²/NDF: 2090451.7/42
In: 1314.027+/-0.180 χ²/NDF:2514162.8/42
Out: 1350.721+/-0.181 χ²/NDF:2179573.3/46
All: 1332.281+/-0.128 χ²/NDF: 4714410.1/89

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2252.750+/-250.663 χ^2/NDF: 8.6/19

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

Right Out: 2006.756+/-241.900 χ^2/NDF: 13.3/22

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

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

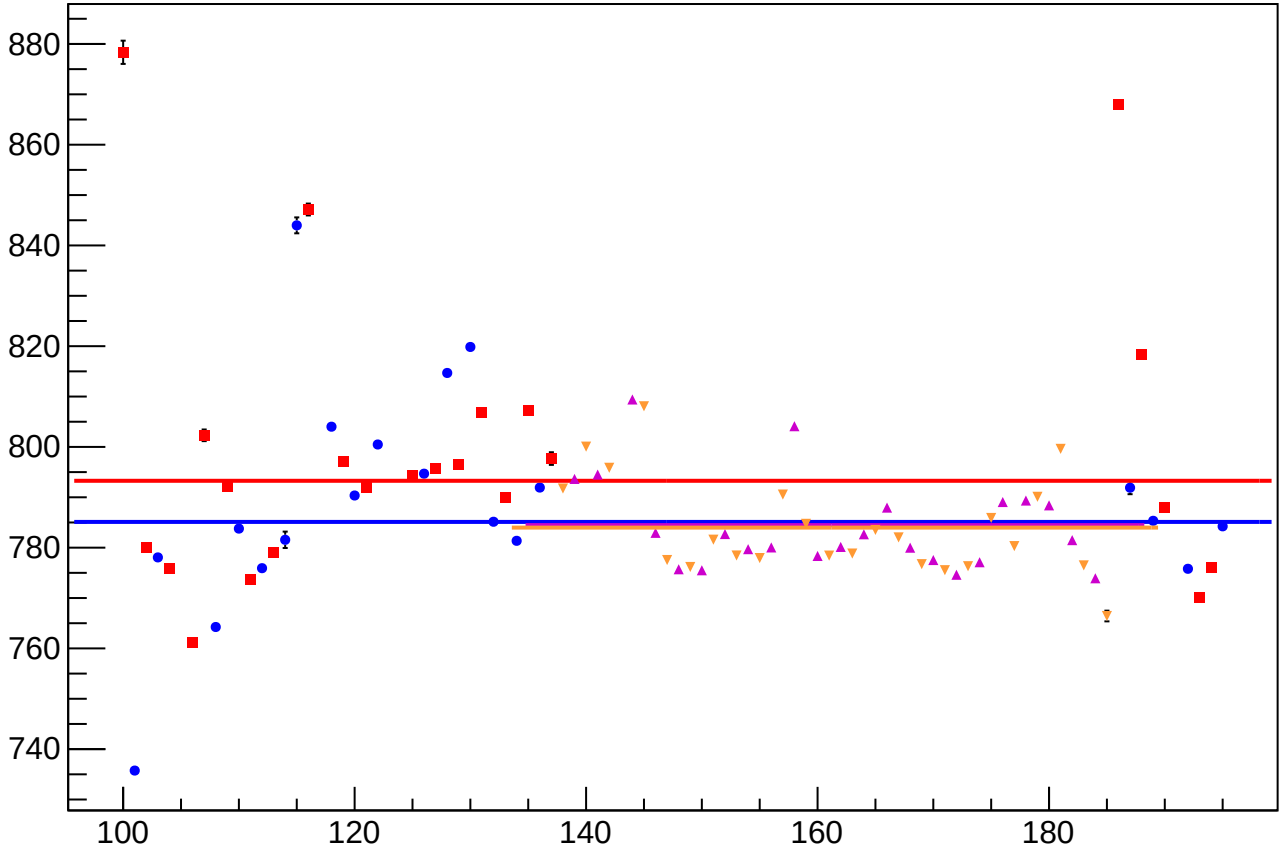
Right: 2125.378+/-174.065 χ^2/NDF: 22.3/42

In: 2153.858+/-147.897 χ^2/NDF:40.5/42

Out: 1920.354+/-145.422 χ^2/NDF:25.9/46

All: 2035.136+/-103.693 χ^2/NDF: 67.8/89

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 785.112+/-0.177 χ^2/NDF: 12914.3/19

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

Right Out: 793.276+/-0.171 χ^2/NDF: 17340.4/22

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

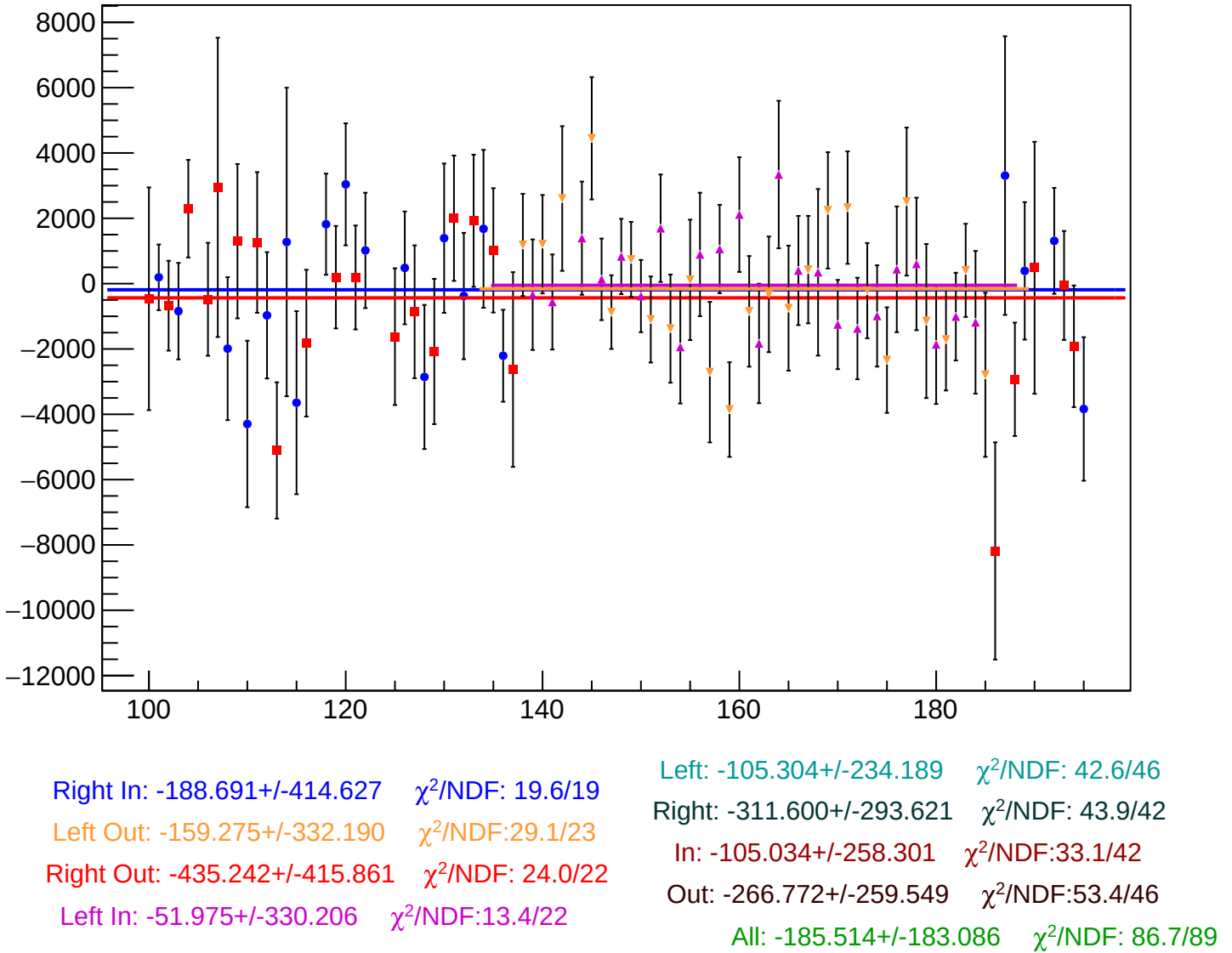
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 789.339+/-0.123 χ^2/NDF: 31353.3/42

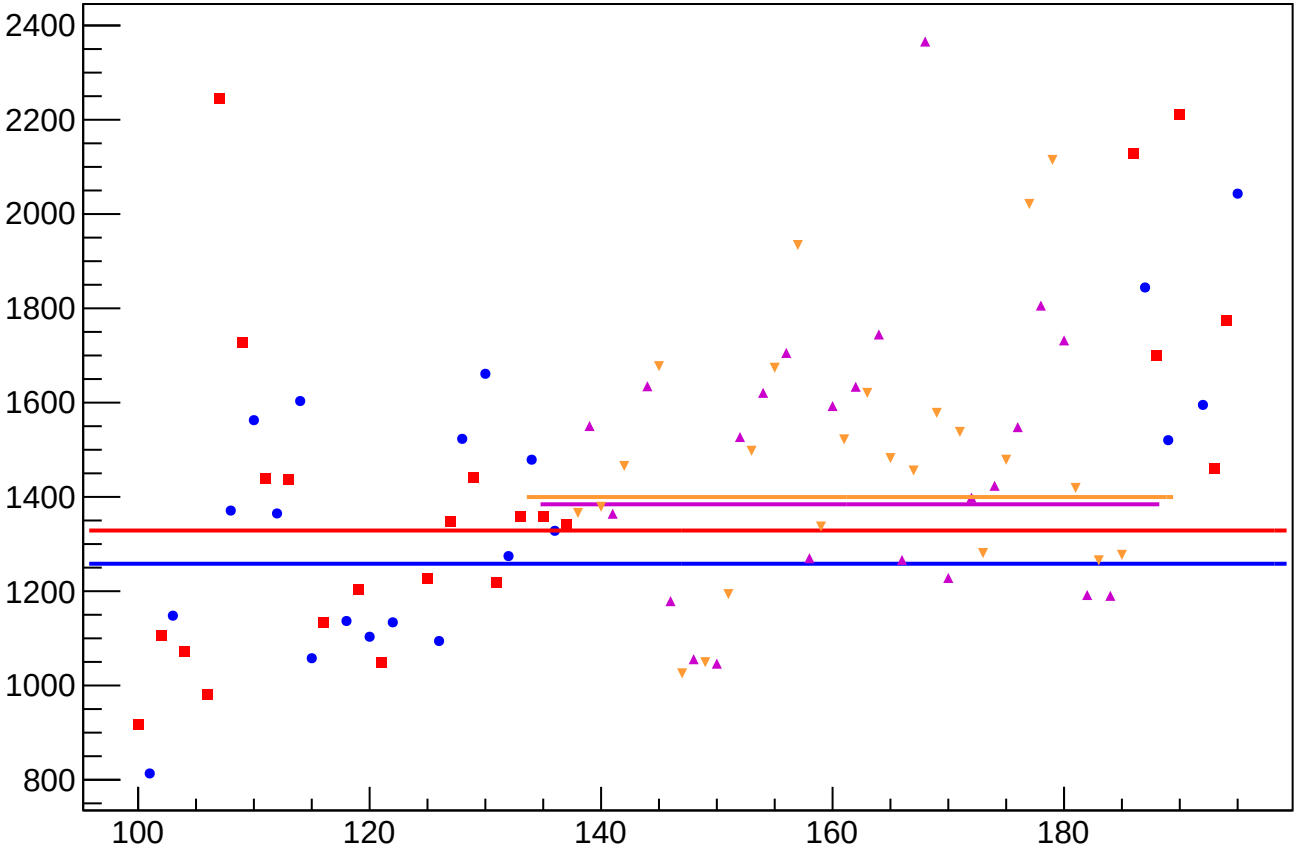
In: 784.695+/-0.105 χ^2/NDF:17850.5/42

Out: 787.340+/-0.103 χ^2/NDF:24153.9/46

All: 786.040+/-0.073 χ^2/NDF: 42329.8/89


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
Right In: -188.691+/-414.627 χ²/NDF: 19.6/19
Left Out: -159.275+/-332.190 χ²/NDF:29.1/23
Right Out: -435.242+/-415.861 χ²/NDF: 24.0/22
Left In: -51.975+/-330.206 χ²/NDF:13.4/22
Left: -105.304+/-234.189 χ²/NDF: 42.6/46
Right: -311.600+/-293.621 χ²/NDF: 43.9/42
In: -105.034+/-258.301 χ²/NDF:33.1/42
Out: -266.772+/-259.549 χ²/NDF:53.4/46
All: -185.514+/-183.086 χ²/NDF: 86.7/89

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1258.248+/-0.293 χ^2/NDF: 1040800.2/19

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

Right Out: 1328.697+/-0.294 χ^2/NDF: 914880.8/22

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

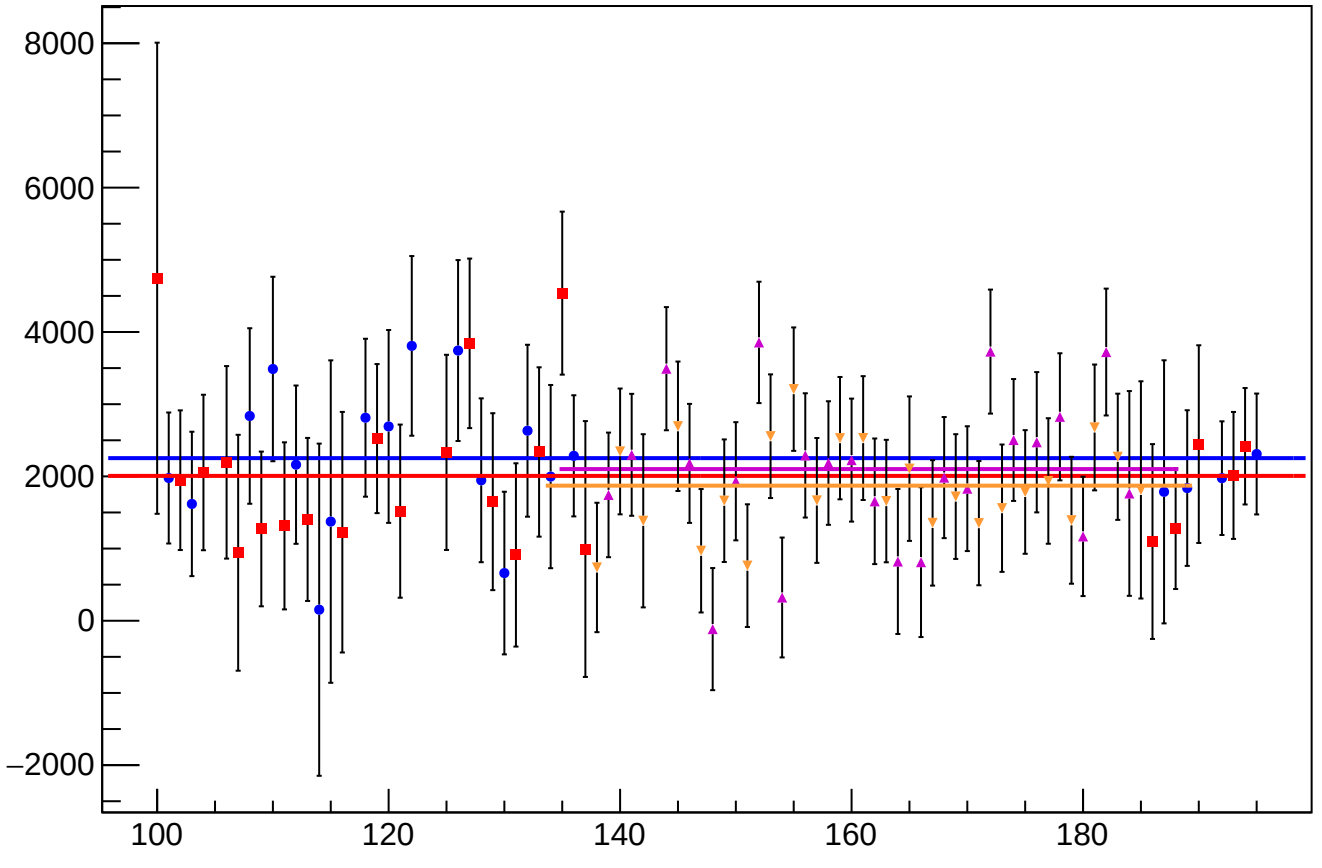
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1293.368+/-0.208 χ^2/NDF: 1984465.0/42

In: 1335.400+/-0.183 χ^2/NDF:2423906.9/42

Out: 1372.053+/-0.184 χ^2/NDF:2086839.5/46

All: 1353.638+/-0.129 χ^2/NDF: 4530784.5/89



Right In: 2252.748+/-250.663 χ^2/NDF: 8.6/19

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

Right Out: 2006.755+/-241.900 χ^2/NDF: 13.3/22

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

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

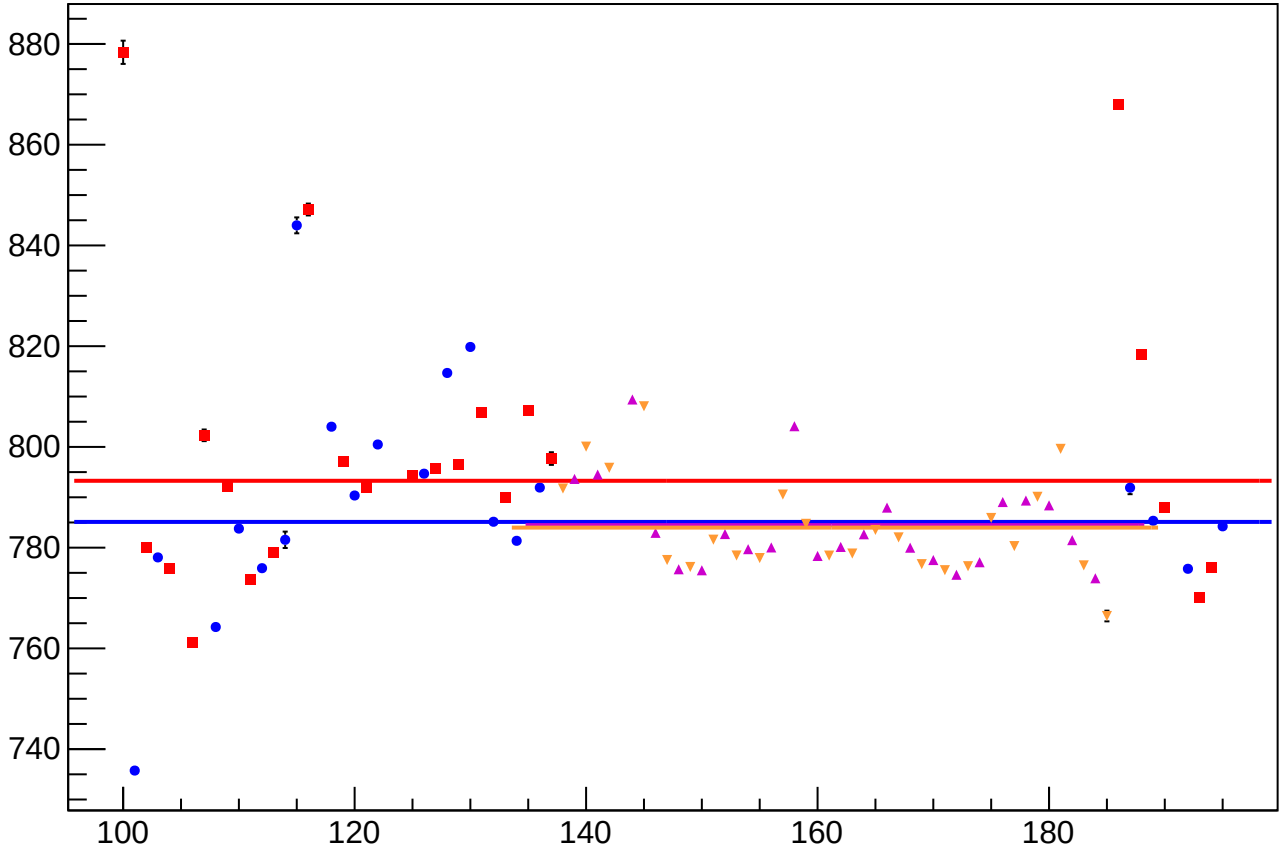
Right: 2125.377+/-174.065 χ^2/NDF: 22.3/42

In: 2153.858+/-147.897 χ^2/NDF:40.5/42

Out: 1920.352+/-145.422 χ^2/NDF:25.9/46

All: 2035.135+/-103.693 χ^2/NDF: 67.8/89

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 785.111+/-0.177 χ^2/NDF: 12914.3/19

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

Right Out: 793.276+/-0.171 χ^2/NDF: 17340.4/22

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

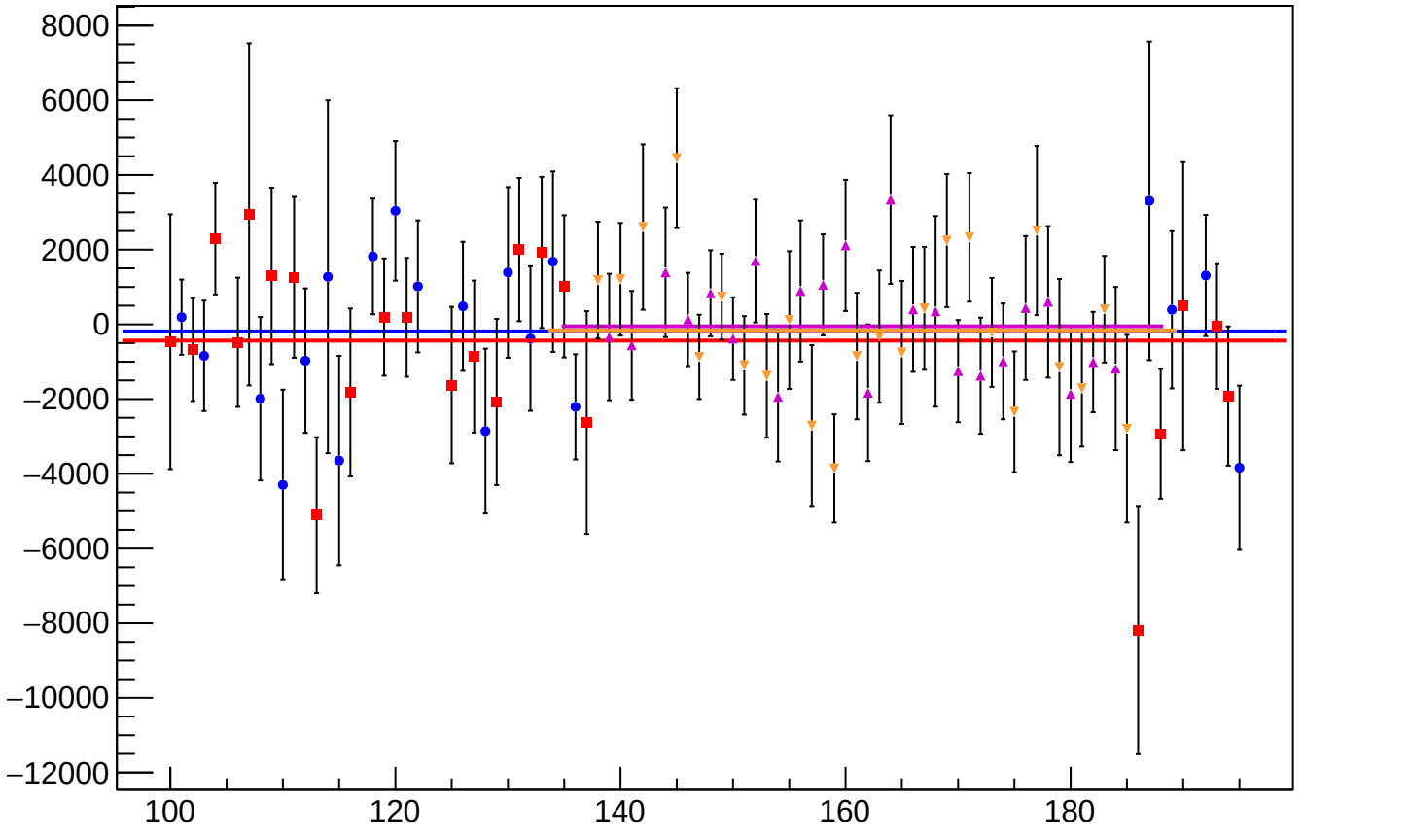
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 789.339+/-0.123 χ^2/NDF: 31353.3/42

In: 784.695+/-0.105 χ^2/NDF:17850.5/42

Out: 787.340+/-0.103 χ^2/NDF:24153.8/46

All: 786.040+/-0.073 χ^2/NDF: 42329.7/89



Right In: -188.690+/-414.626 χ^2/NDF: 19.6/19

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

Right Out: -435.239+/-415.860 χ^2/NDF: 24.0/22

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

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

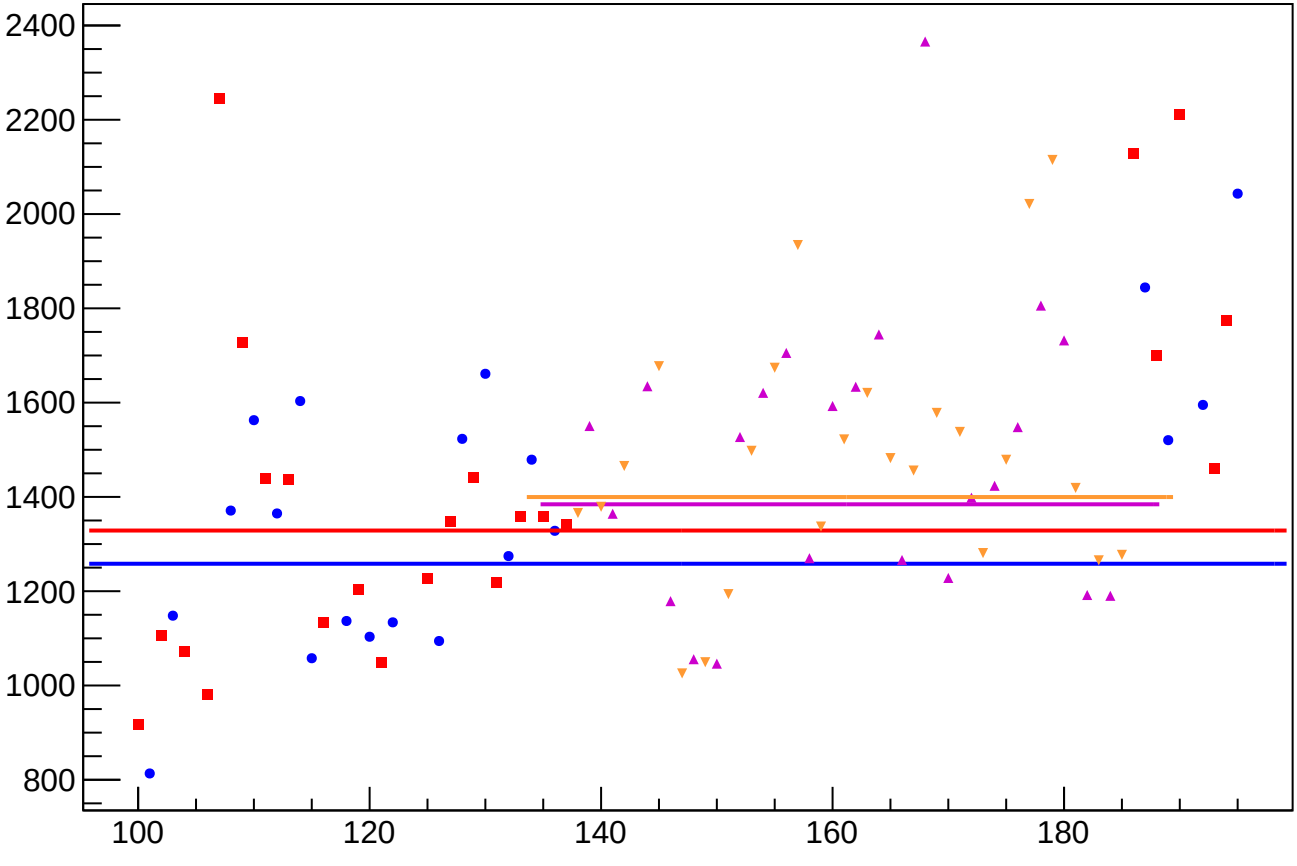
Right: -311.598+/-293.620 χ^2/NDF: 43.9/42

In: -105.034+/-258.301 χ^2/NDF:33.1/42

Out: -266.774+/-259.549 χ^2/NDF:53.4/46

All: -185.514+/-183.086 χ^2/NDF: 86.7/89

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1258.245+/-0.293 χ^2/NDF: 1040803.6/19

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

Right Out: 1328.694+/-0.294 χ^2/NDF: 914885.6/22

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

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

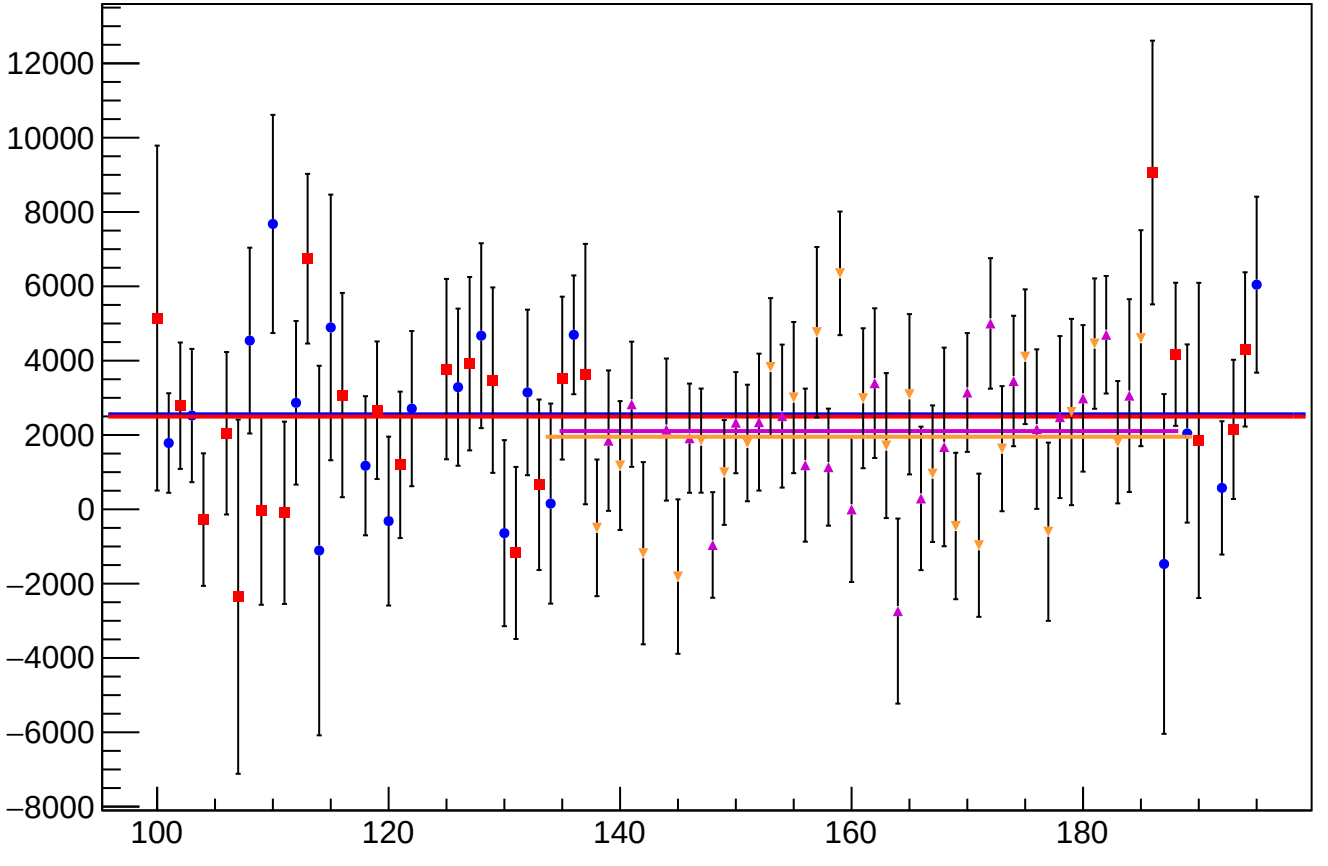
Right: 1293.365+/-0.208 χ^2/NDF: 1984473.0/42

In: 1335.400+/-0.183 χ^2/NDF:2423920.8/42

Out: 1372.053+/-0.184 χ^2/NDF:2086851.3/46

All: 1353.638+/-0.129 χ^2/NDF: 4530810.1/89

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2555.725+/-489.979 χ^2/NDF: 16.5/19

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

Right Out: 2494.819+/-484.607 χ^2/NDF: 19.2/22

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

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

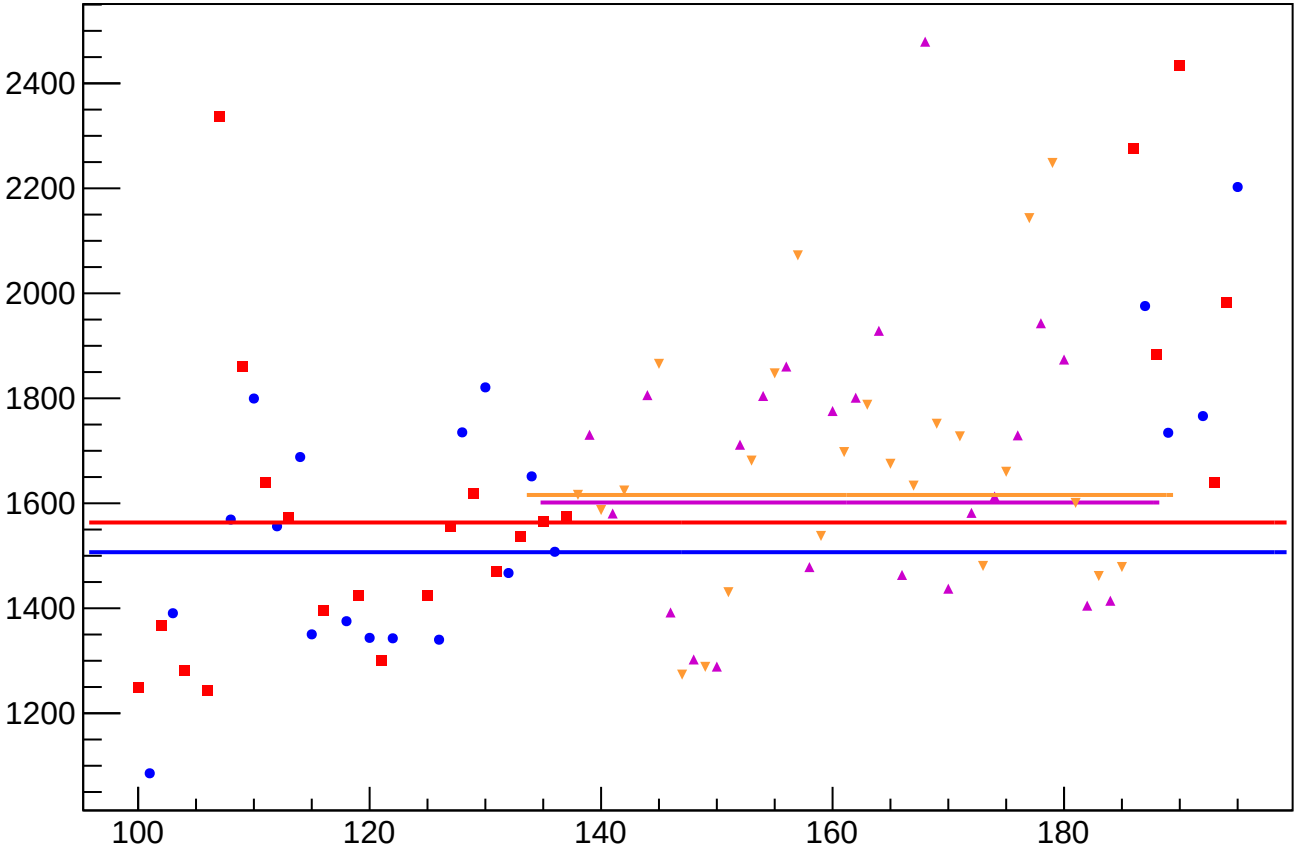
Right: 2524.937+/-344.553 χ^2/NDF: 35.7/42

In: 2274.011+/-299.810 χ^2/NDF:35.6/42

Out: 2159.115+/-299.160 χ^2/NDF:47.3/46

All: 2216.439+/-211.768 χ^2/NDF: 83.0/89

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1506.846+/-0.346 χ^2/NDF: 588037.4/19

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

Right Out: 1563.423+/-0.343 χ^2/NDF: 579921.5/22

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

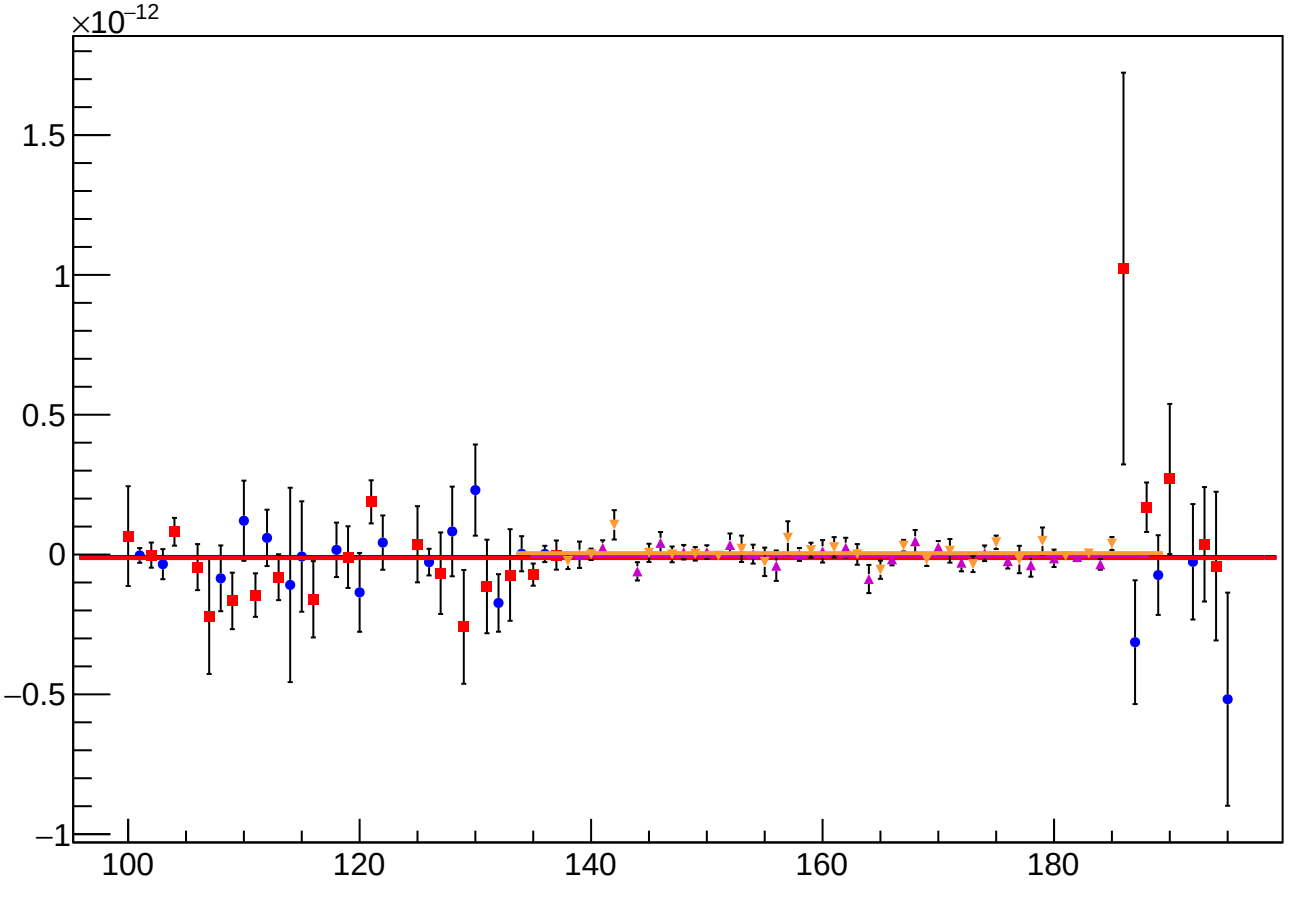
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1535.446+/-0.244 χ^2/NDF: 1181438.8/42

In: 1566.059+/-0.212 χ^2/NDF:1428449.4/42

Out: 1595.873+/-0.212 χ^2/NDF:1288764.1/46

All: 1580.998+/-0.150 χ^2/NDF: 2727123.5/89



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/19

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

Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/22

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

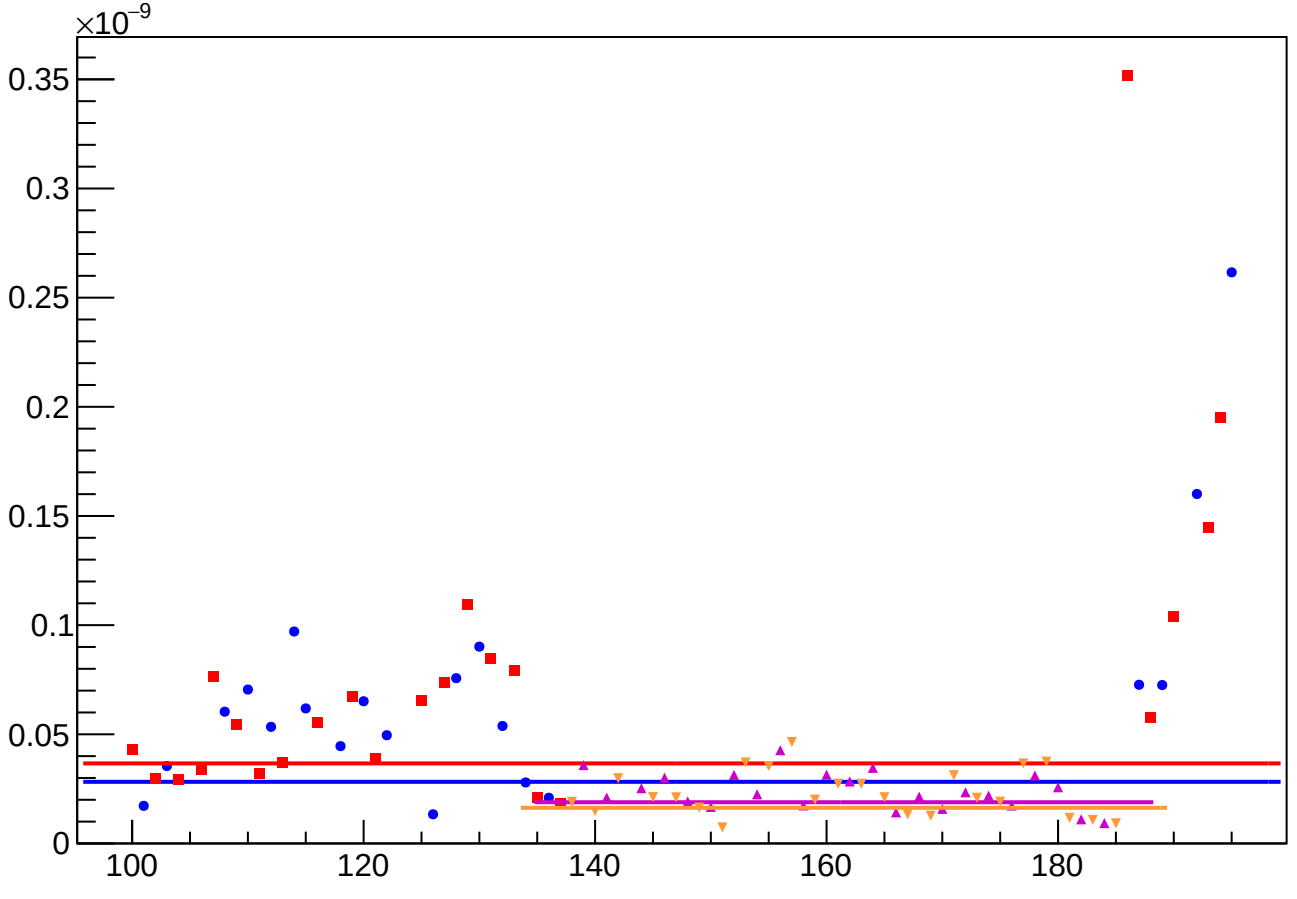
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 43.4/42

In: -0.000+/-0.000 χ^2/NDF:31.9/42

Out: 0.000+/-0.000 χ^2/NDF:52.9/46

All: -0.000+/-0.000 χ^2/NDF: 86.3/89



Right In: 0.000+/-0.000 χ^2/NDF: 4006272.9/19

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3680172.6/22

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

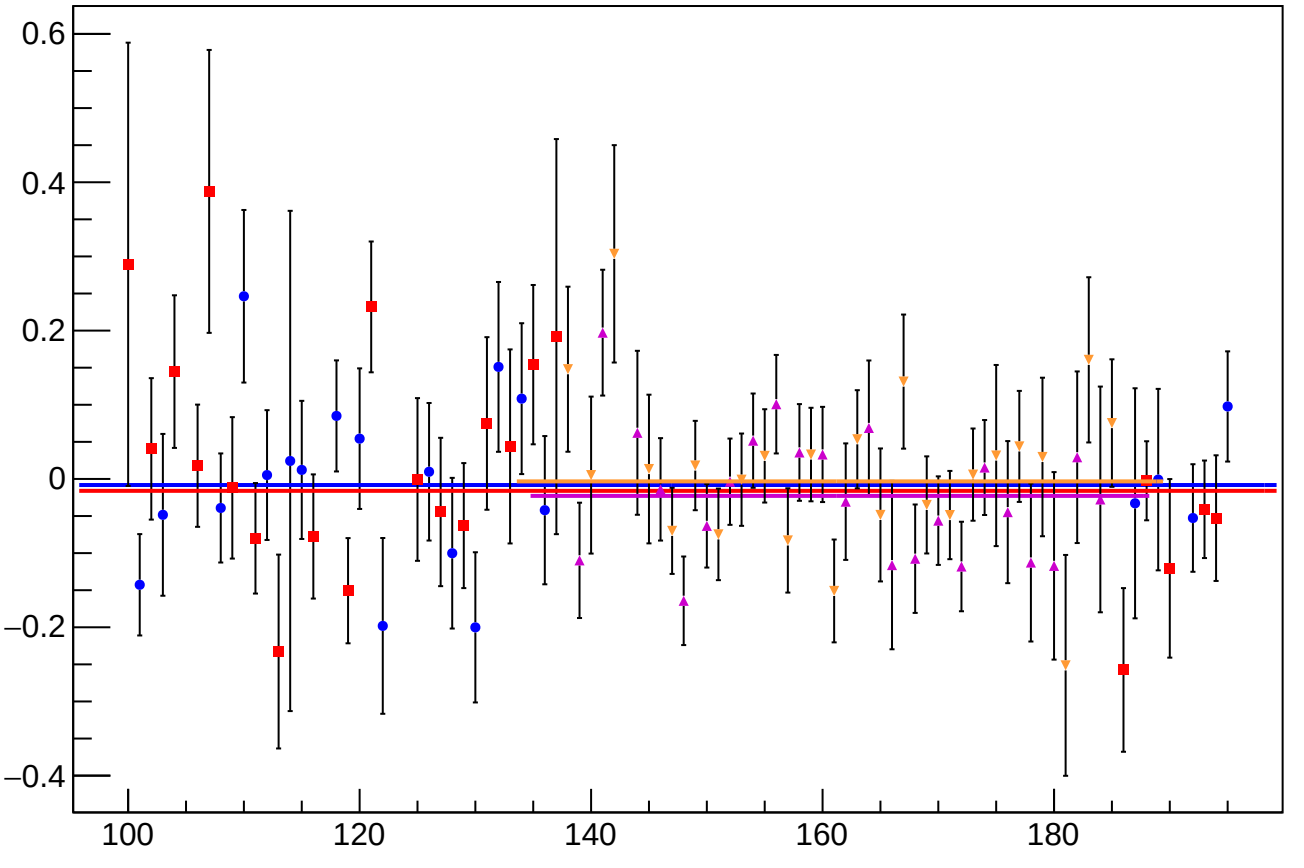
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 7951501.8/42

In: 0.000+/-0.000 χ^2/NDF:7938247.2/42

Out: 0.000+/-0.000 χ^2/NDF:10375240.3/46

All: 0.000+/-0.000 χ^2/NDF: 18471673.7/89



Right In: -0.008+/-0.021 χ^2/NDF: 23.9/19

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

Right Out: -0.016+/-0.019 χ^2/NDF: 34.3/22

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

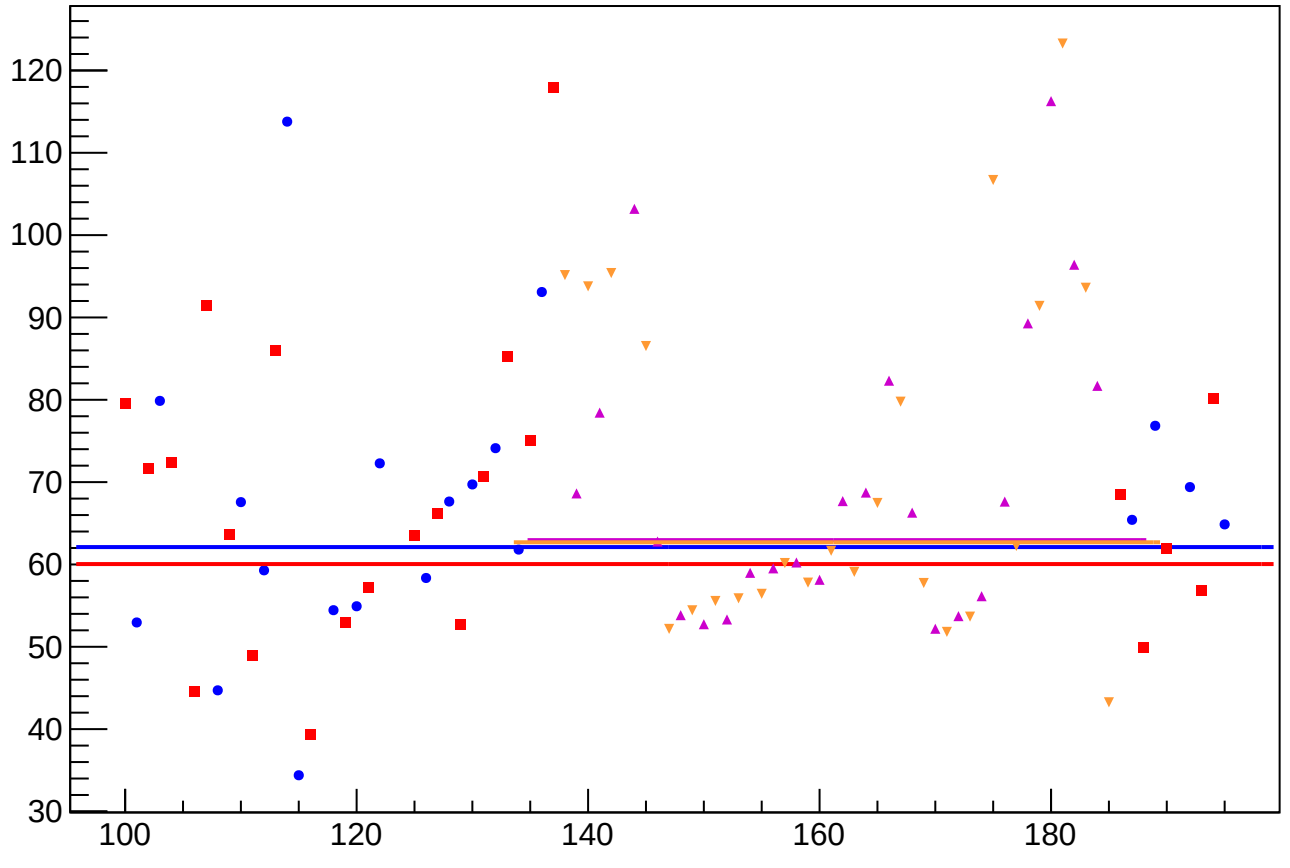
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.012+/-0.014 χ^2/NDF: 58.2/42

In: -0.018+/-0.012 χ^2/NDF:53.1/42

Out: -0.008+/-0.012 χ^2/NDF:60.5/46

All: -0.013+/-0.009 χ^2/NDF: 113.9/89



Right In: 62.111+/-0.015 χ^2/NDF: 766311.5/19

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

Right Out: 60.047+/-0.014 χ^2/NDF: 913526.9/22

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

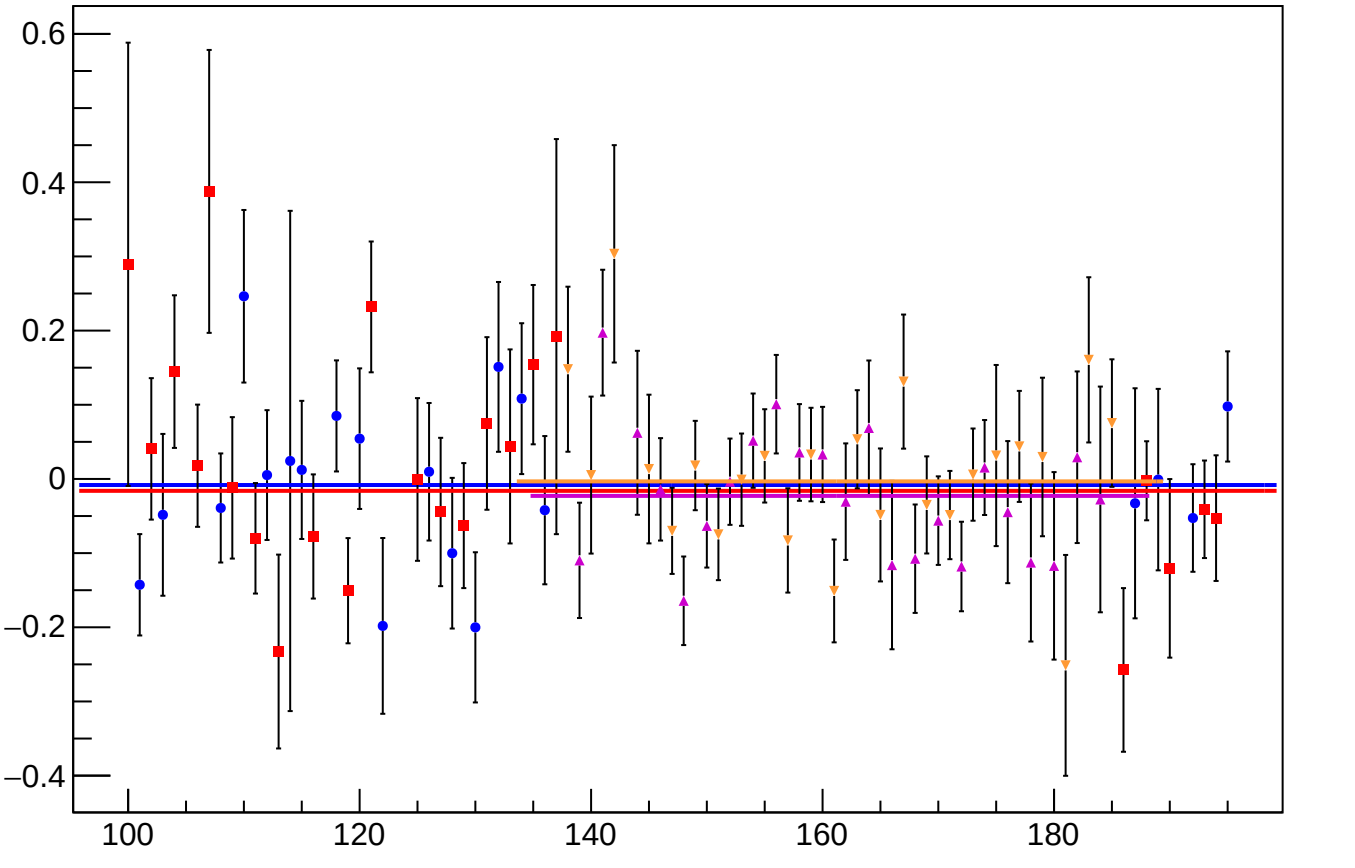
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

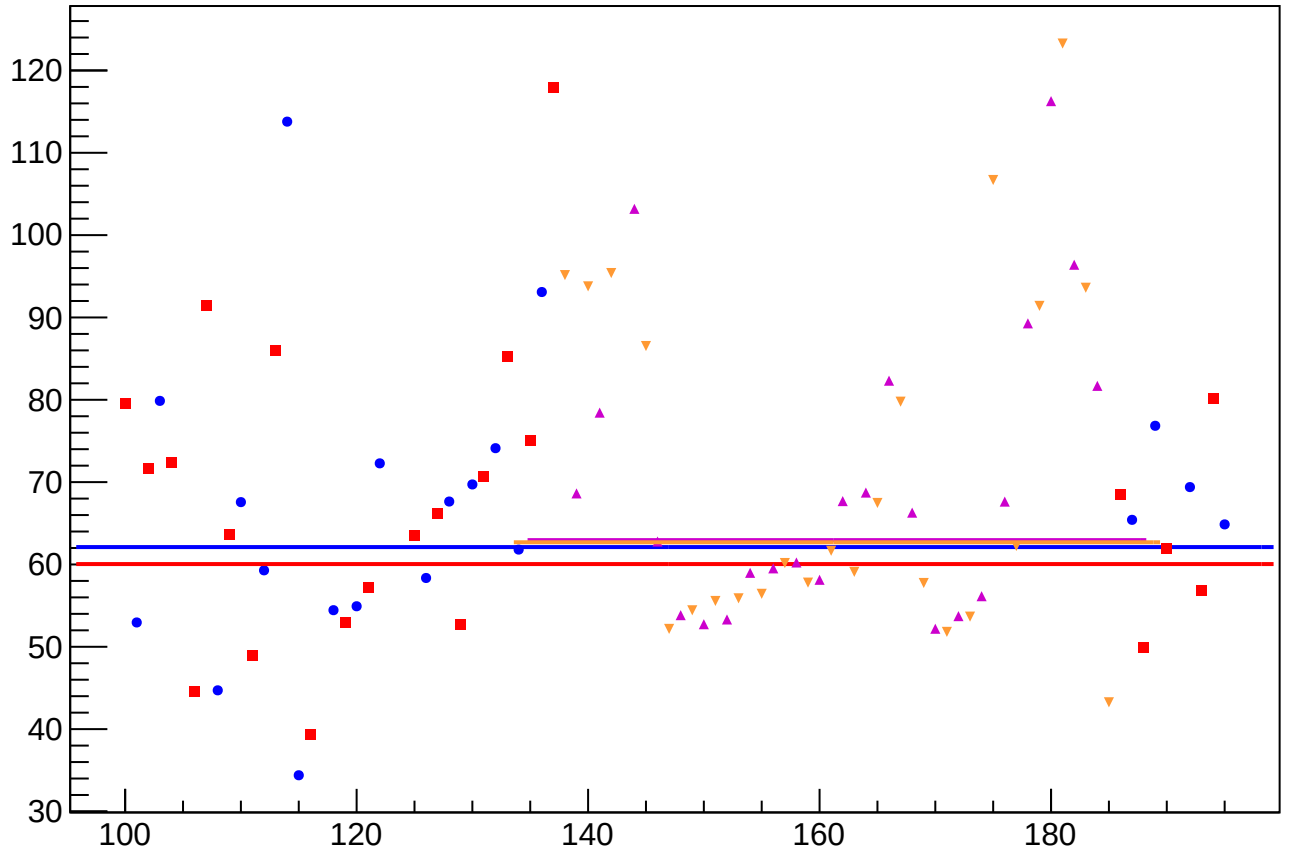
Right: 60.994+/-0.010 χ^2/NDF: 1690151.3/42

In: 62.661+/-0.009 χ^2/NDF:2198813.5/42

Out: 61.667+/-0.009 χ^2/NDF:2875568.4/46

All: 62.149+/-0.006 χ^2/NDF: 5080890.9/89


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
Right In: -0.008+/-0.021 χ²/NDF: 23.9/19
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.016+/-0.019 χ²/NDF: 34.3/22
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.012+/-0.014 χ²/NDF: 58.2/42
In: -0.018+/-0.012 χ²/NDF:53.1/42
Out: -0.008+/-0.012 χ²/NDF:60.5/46
All: -0.013+/-0.009 χ²/NDF: 113.9/89



Right In: 62.111+/-0.015 χ^2/NDF: 766311.5/19

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

Right Out: 60.047+/-0.014 χ^2/NDF: 913526.9/22

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

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

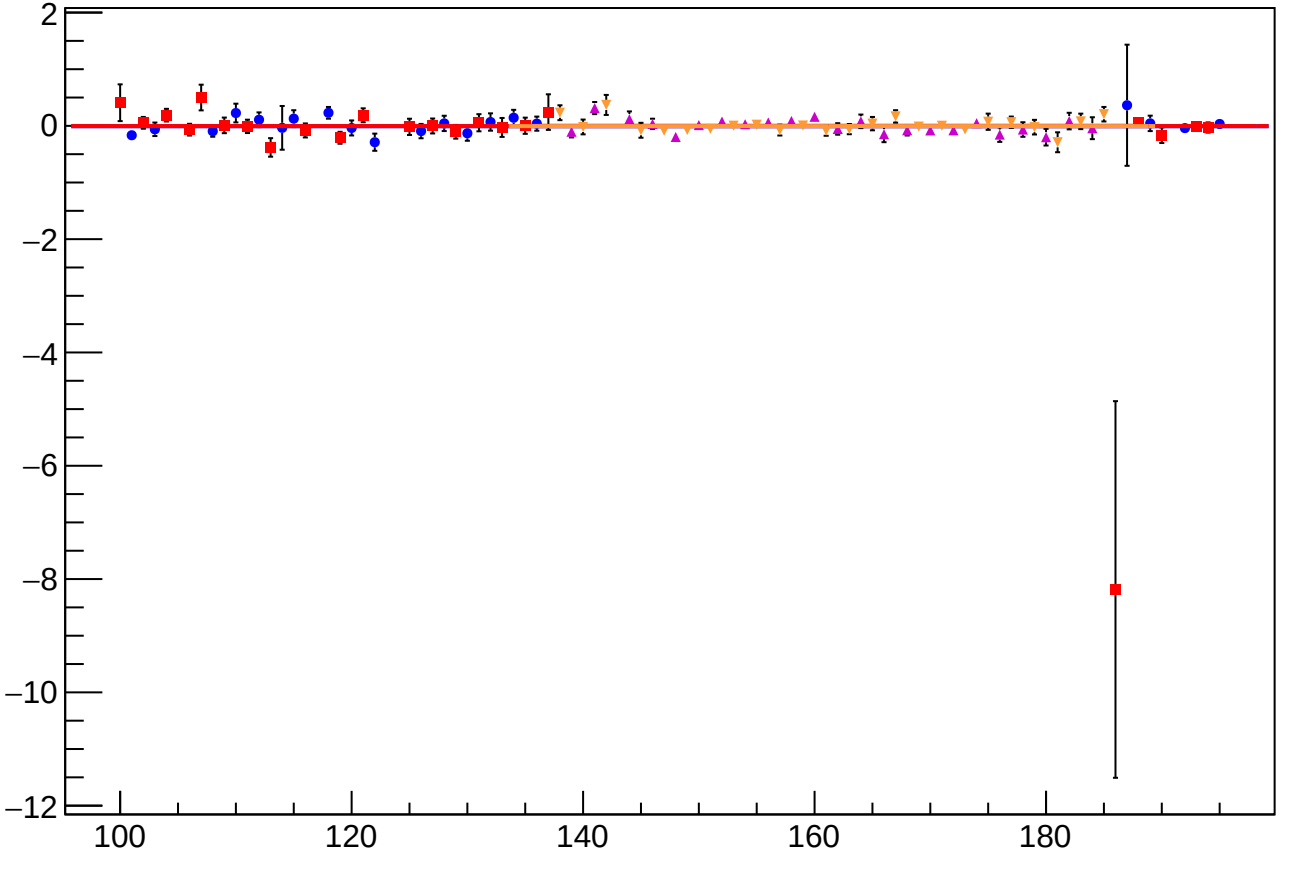
Right: 60.994+/-0.010 χ^2/NDF: 1690151.3/42

In: 62.661+/-0.009 χ^2/NDF:2198813.5/42

Out: 61.667+/-0.009 χ^2/NDF:2875568.4/46

All: 62.149+/-0.006 χ^2/NDF: 5080890.9/89

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.027 χ^2/NDF: 20.8/19

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

Right Out: -0.004+/-0.025 χ^2/NDF: 32.1/22

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

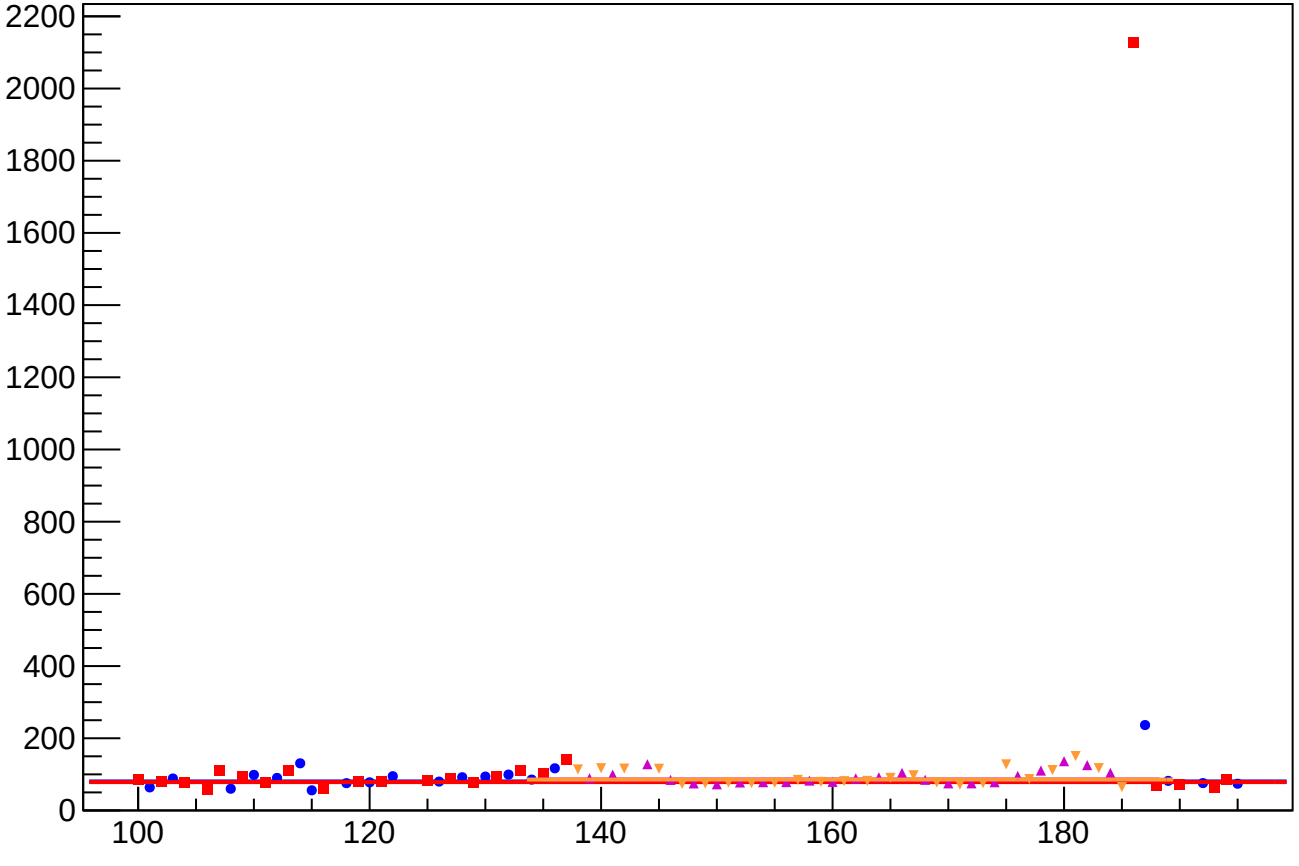
Right: -0.005+/-0.019 χ^2/NDF: 52.9/42

In: -0.001+/-0.016 χ^2/NDF:51.4/42

Out: -0.004+/-0.016 χ^2/NDF:53.4/46

All: -0.003+/-0.011 χ^2/NDF: 104.9/89

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.274+/-0.019 χ^2/NDF: 626473.6/19

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

Right Out: 78.567+/-0.018 χ^2/NDF: 1410815.9/22

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

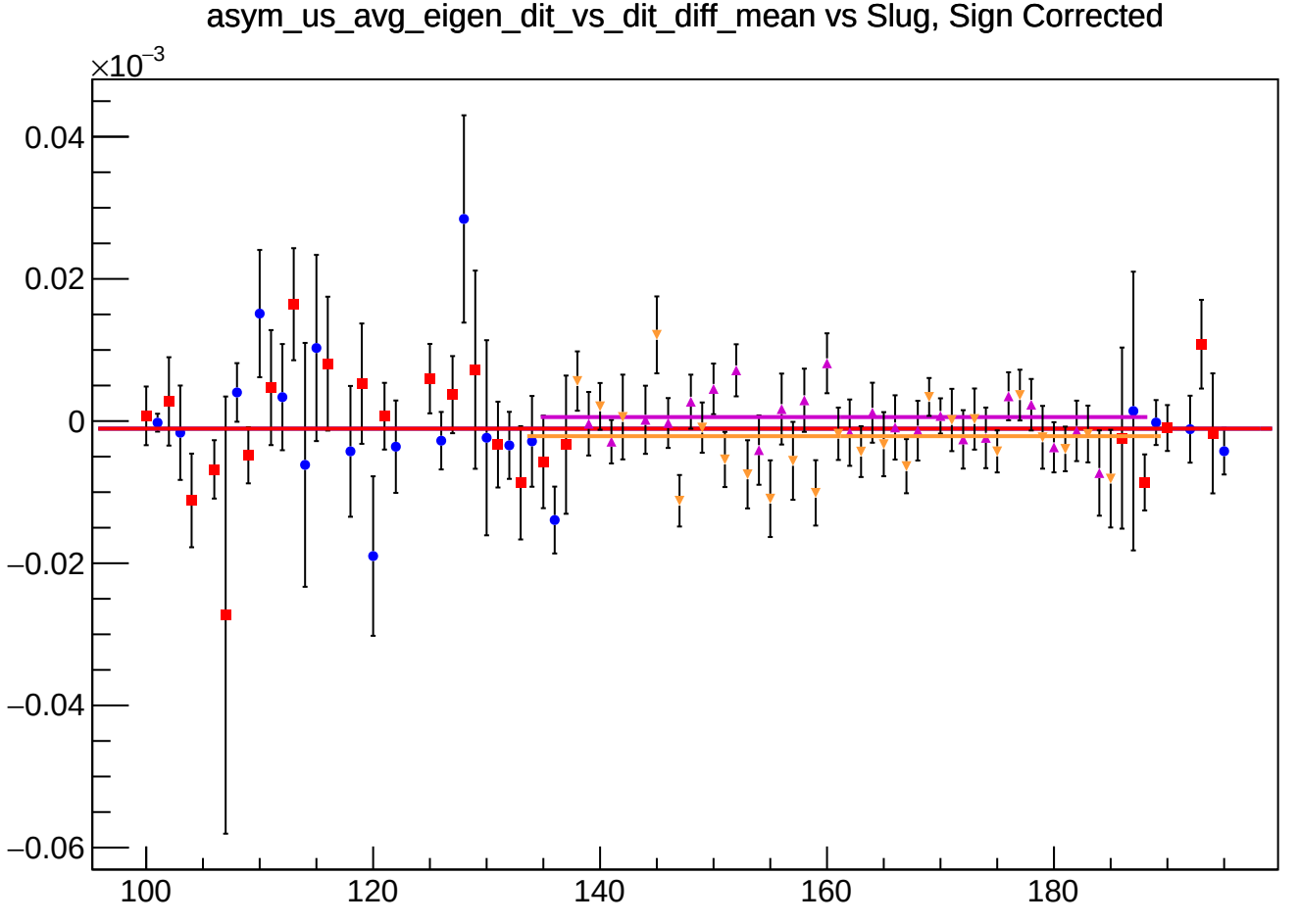
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 79.369+/-0.013 χ^2/NDF: 2041496.2/42

In: 83.692+/-0.012 χ^2/NDF:1672581.7/42

Out: 82.840+/-0.011 χ^2/NDF:2856650.3/46

All: 83.256+/-0.008 χ^2/NDF: 4531978.1/89



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/19

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

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/22

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

Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

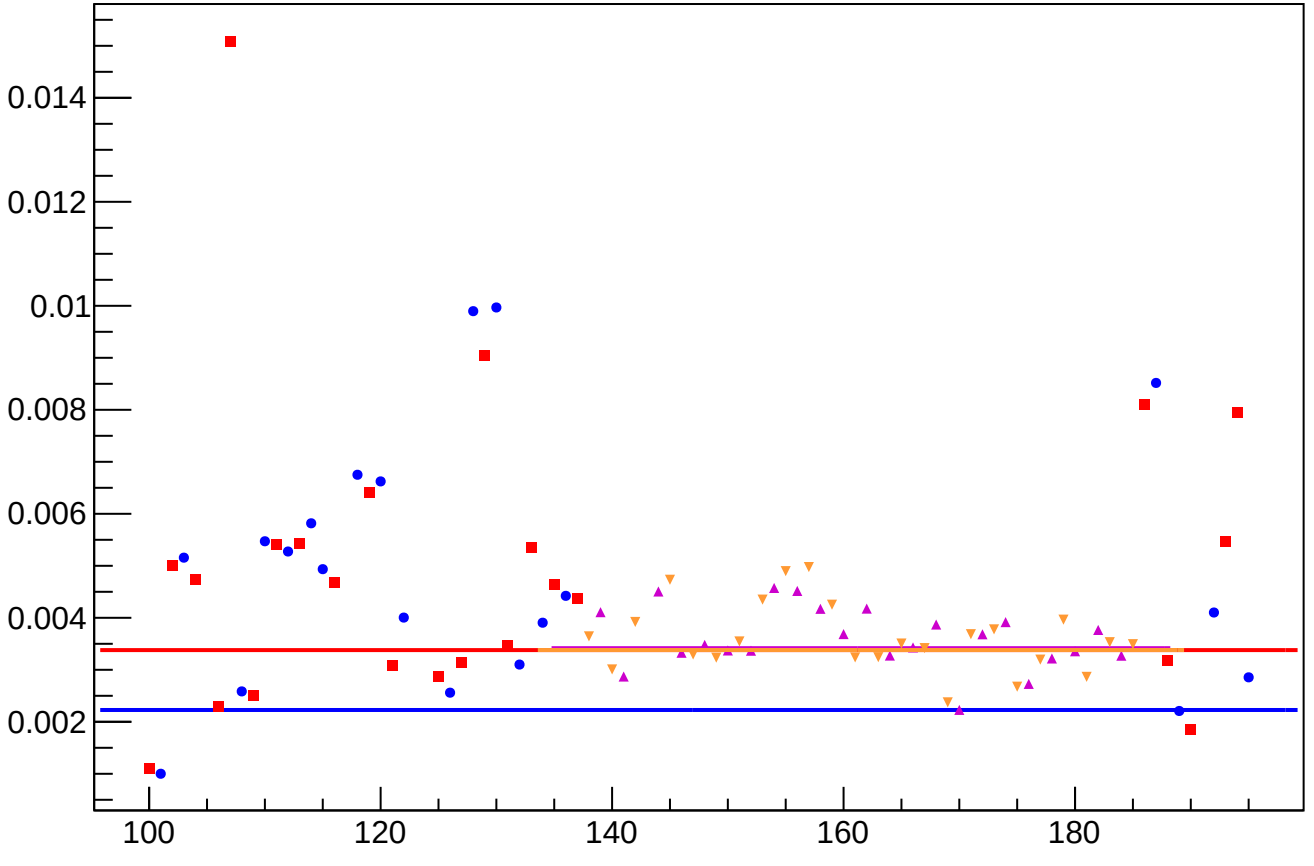
Right: -0.000+/-0.000 χ^2/NDF: 48.1/42

In: -0.000+/-0.000 χ^2/NDF:40.8/42

Out: -0.000+/-0.000 χ^2/NDF:63.7/46

All: -0.000+/-0.000 χ^2/NDF: 107.7/89

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6460429.4/19

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

Right Out: 0.003+/-0.000 χ^2/NDF: 4025954.4/22

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

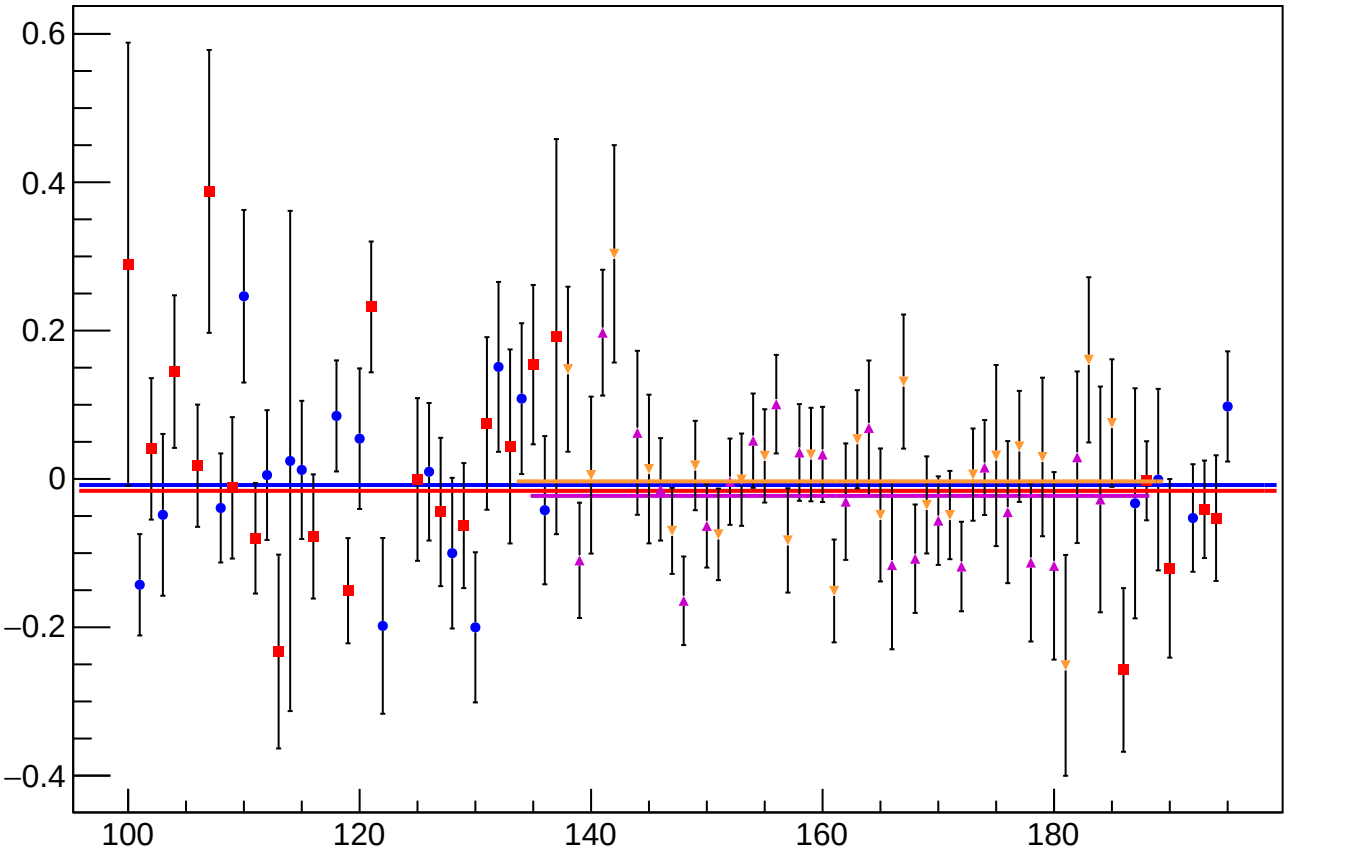
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.003+/-0.000 χ^2/NDF: 11666961.4/42

In: 0.003+/-0.000 χ^2/NDF:9539129.6/42

Out: 0.003+/-0.000 χ^2/NDF:5221592.9/46

All: 0.003+/-0.000 χ^2/NDF: 15369547.6/89



Right In: -0.008+/-0.021 χ^2/NDF: 23.9/19

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

Right Out: -0.016+/-0.019 χ^2/NDF: 34.3/22

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

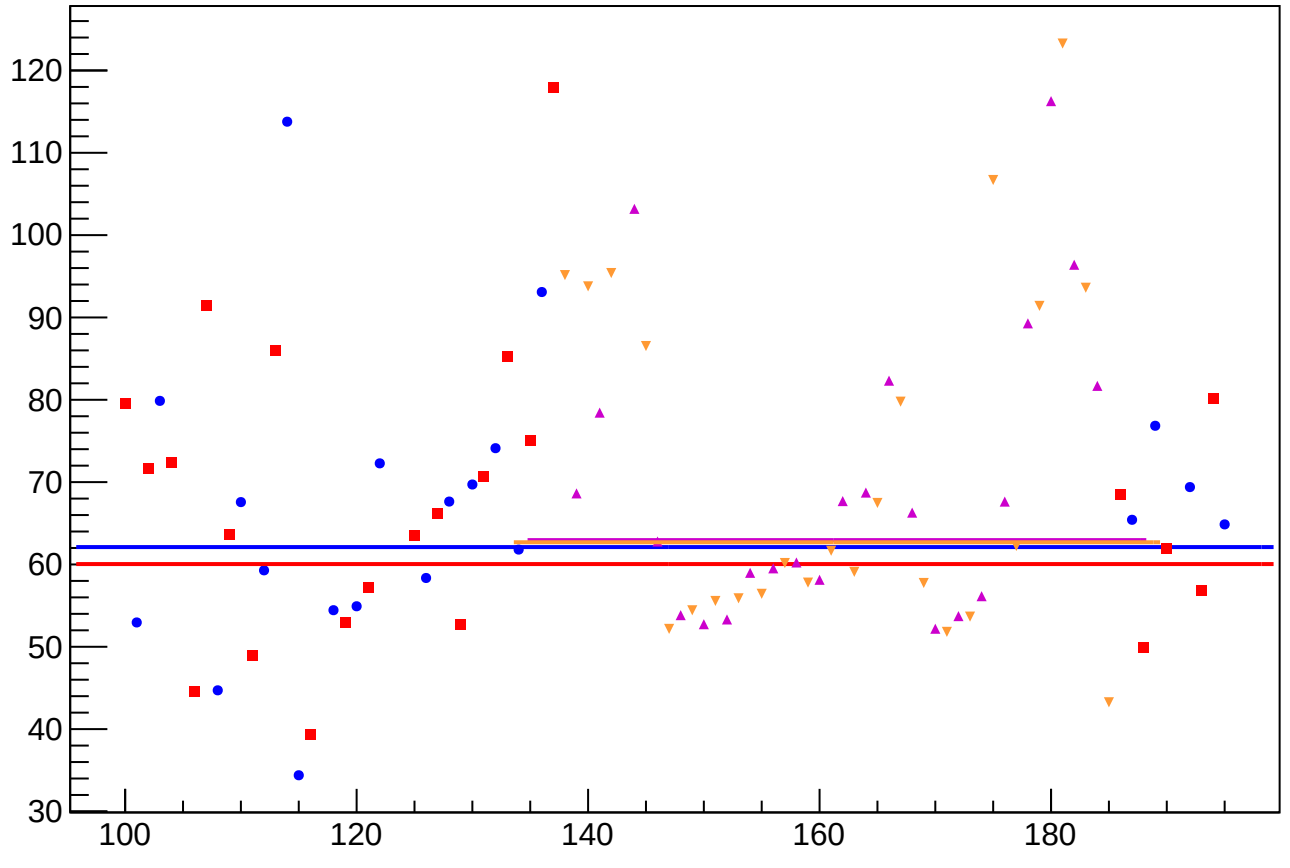
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.012+/-0.014 χ^2/NDF: 58.2/42

In: -0.018+/-0.012 χ^2/NDF:53.1/42

Out: -0.008+/-0.012 χ^2/NDF:60.5/46

All: -0.013+/-0.009 χ^2/NDF: 113.9/89



Right In: 62.110+/-0.015 χ^2/NDF: 766342.8/19

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

Right Out: 60.047+/-0.014 χ^2/NDF: 913523.0/22

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

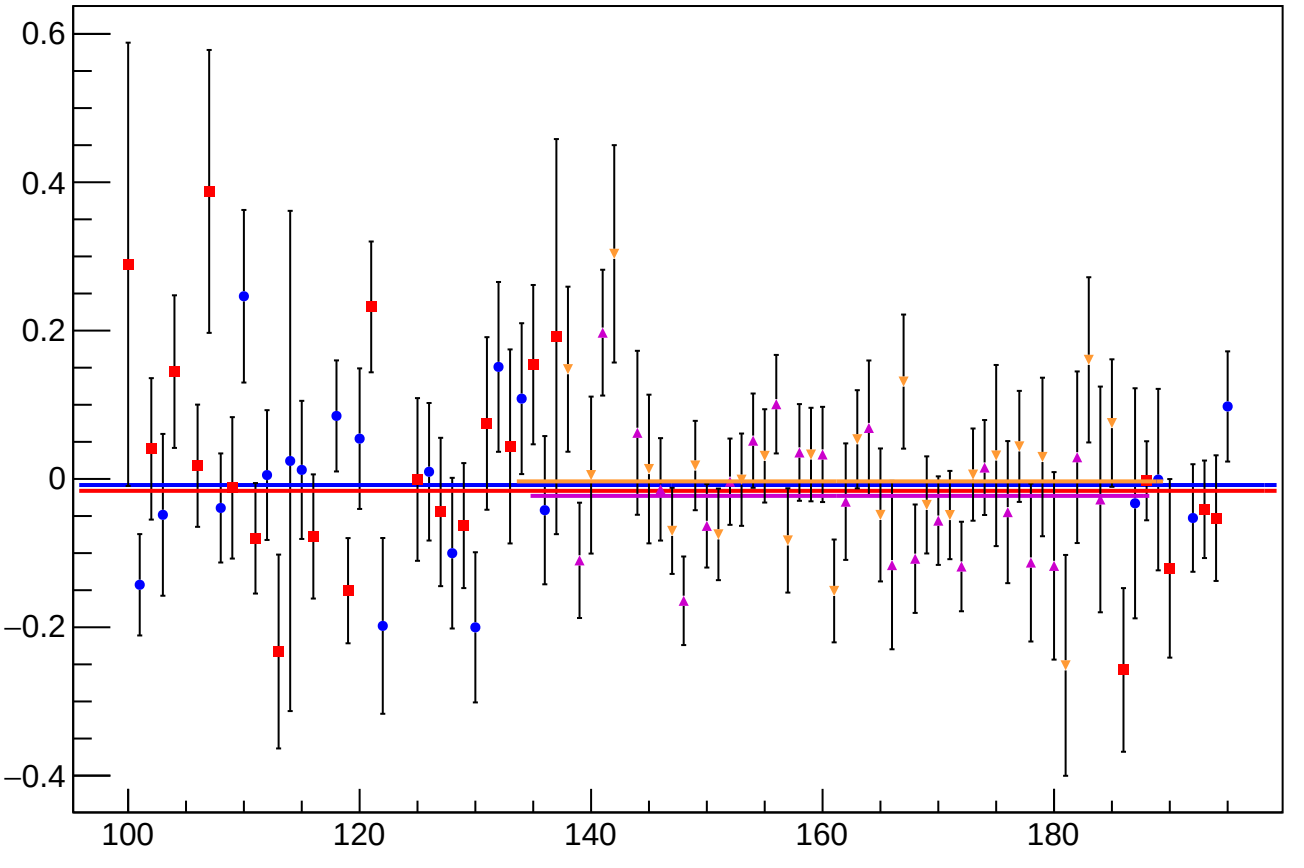
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

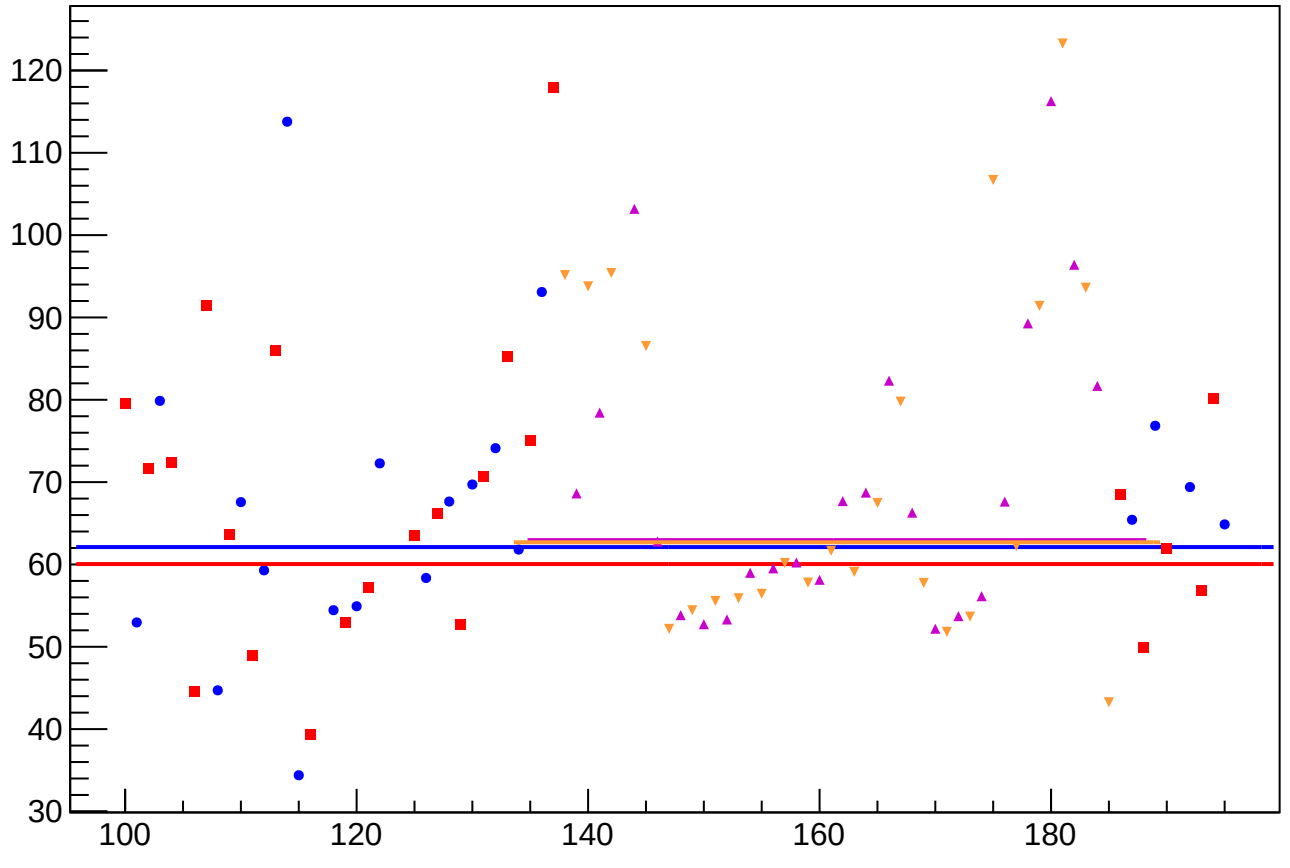
Right: 60.993+/-0.010 χ^2/NDF: 1690177.0/42

In: 62.660+/-0.009 χ^2/NDF:2198827.3/42

Out: 61.667+/-0.009 χ^2/NDF:2875570.0/46

All: 62.149+/-0.006 χ^2/NDF: 5080905.3/89


asym_us_avg_eigen_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
Right In: -0.008+/-0.021 χ²/NDF: 23.9/19
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.016+/-0.019 χ²/NDF: 34.3/22
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.012+/-0.014 χ²/NDF: 58.2/42
In: -0.018+/-0.012 χ²/NDF:53.1/42
Out: -0.008+/-0.012 χ²/NDF:60.5/46
All: -0.013+/-0.009 χ²/NDF: 113.9/89



Right In: 62.110+/-0.015 χ^2/NDF: 766342.8/19

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

Right Out: 60.047+/-0.014 χ^2/NDF: 913523.0/22

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

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

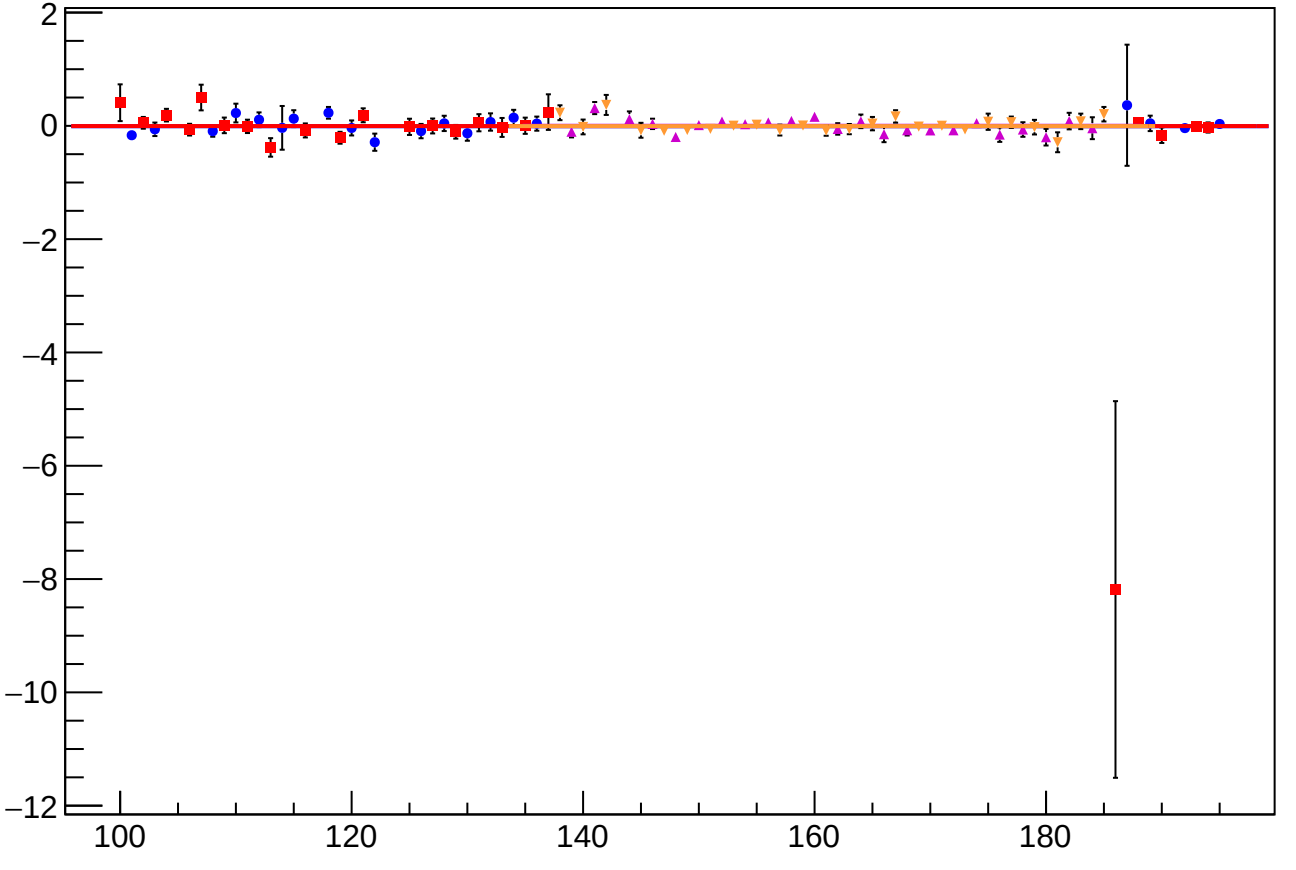
Right: 60.993+/-0.010 χ^2/NDF: 1690177.0/42

In: 62.660+/-0.009 χ^2/NDF:2198827.3/42

Out: 61.667+/-0.009 χ^2/NDF:2875570.0/46

All: 62.149+/-0.006 χ^2/NDF: 5080905.3/89

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.027 χ^2/NDF: 20.8/19

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

Right Out: -0.004+/-0.025 χ^2/NDF: 32.1/22

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

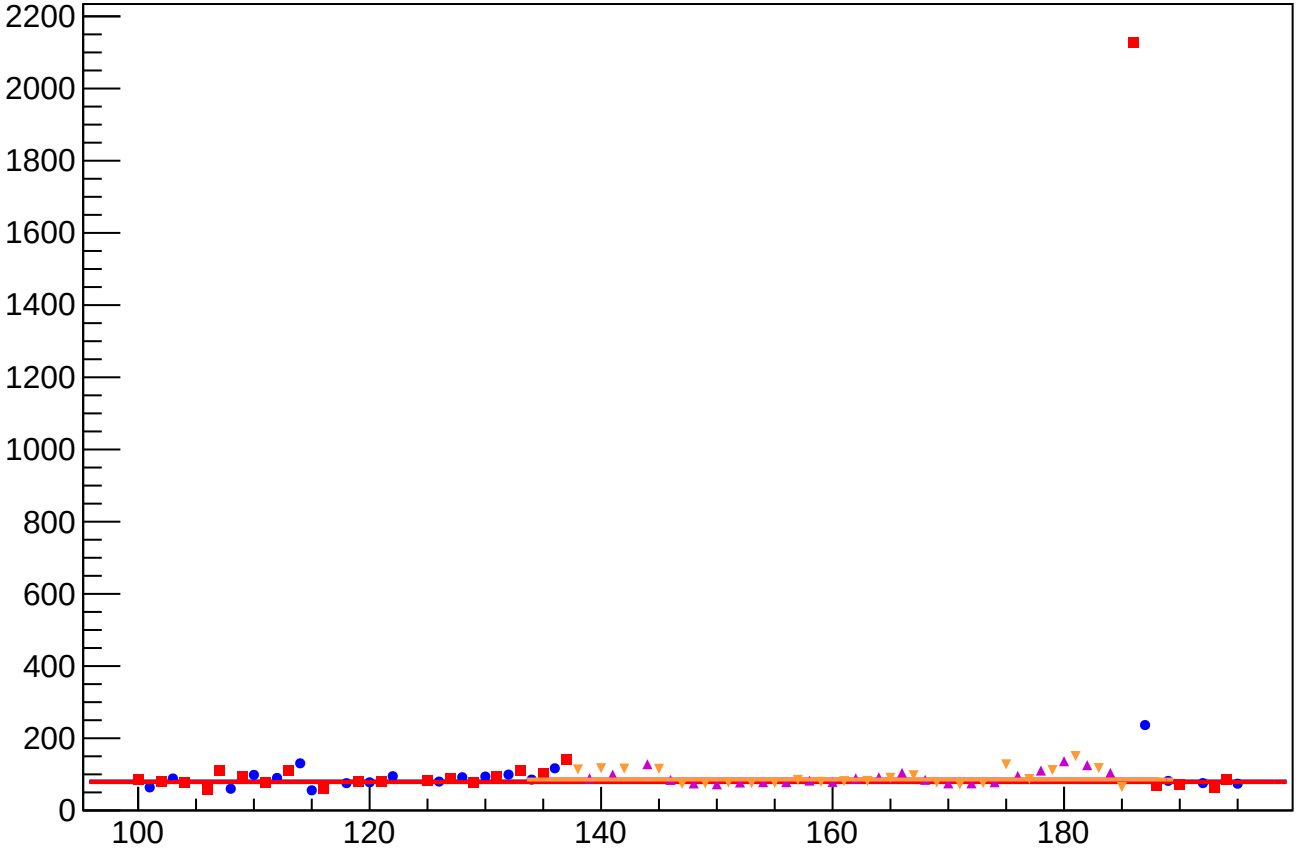
Right: -0.005+/-0.019 χ^2/NDF: 52.9/42

In: -0.001+/-0.016 χ^2/NDF:51.4/42

Out: -0.004+/-0.016 χ^2/NDF:53.4/46

All: -0.003+/-0.011 χ^2/NDF: 104.9/89

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.274+/-0.019 χ^2/NDF: 626461.7/19

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

Right Out: 78.567+/-0.018 χ^2/NDF: 1410793.4/22

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

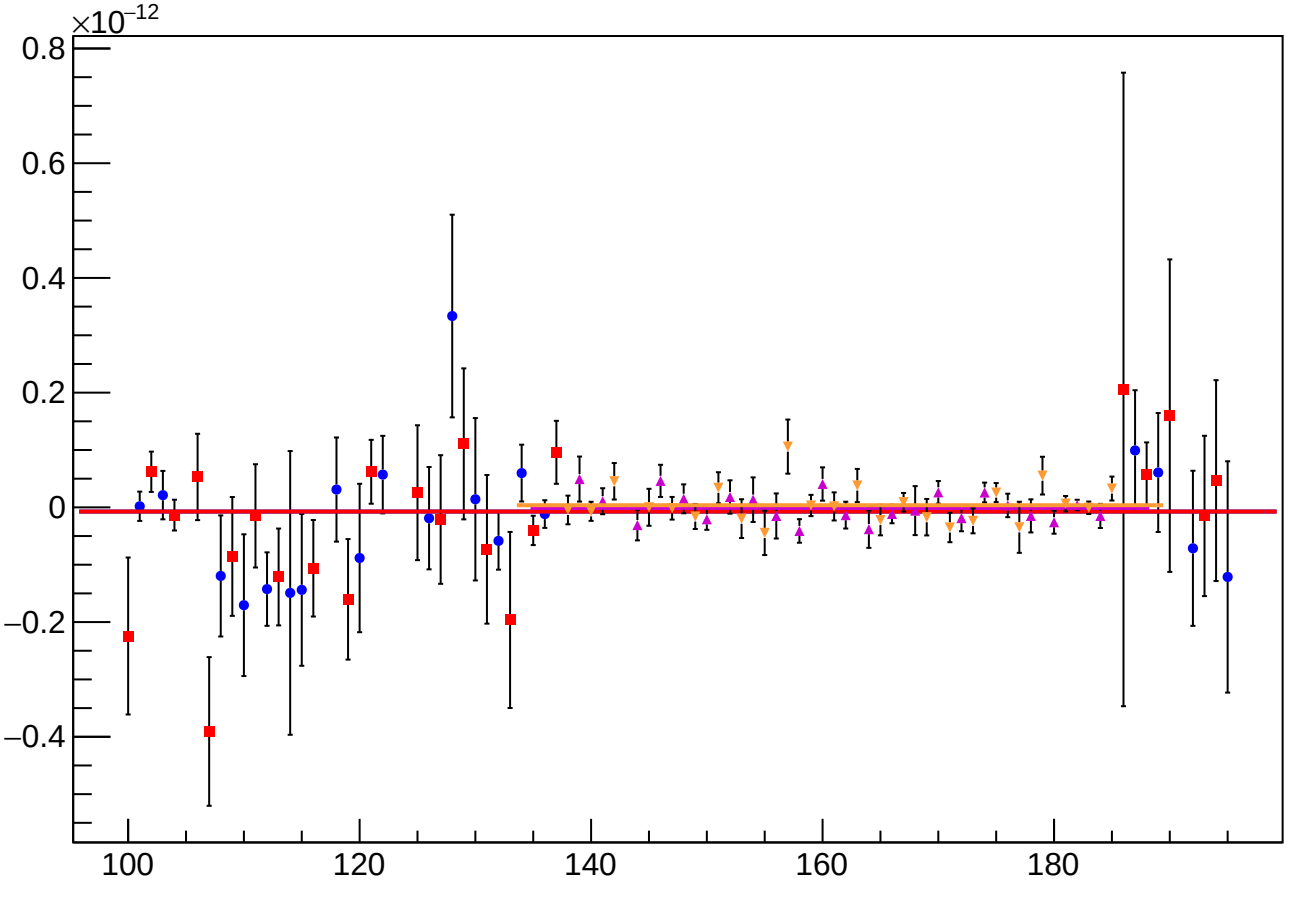
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 79.368+/-0.013 χ^2/NDF: 2041460.9/42

In: 83.691+/-0.012 χ^2/NDF:1672579.5/42

Out: 82.840+/-0.011 χ^2/NDF:2856642.2/46

All: 83.256+/-0.008 χ^2/NDF: 4531967.3/89



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/19

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

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/22

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

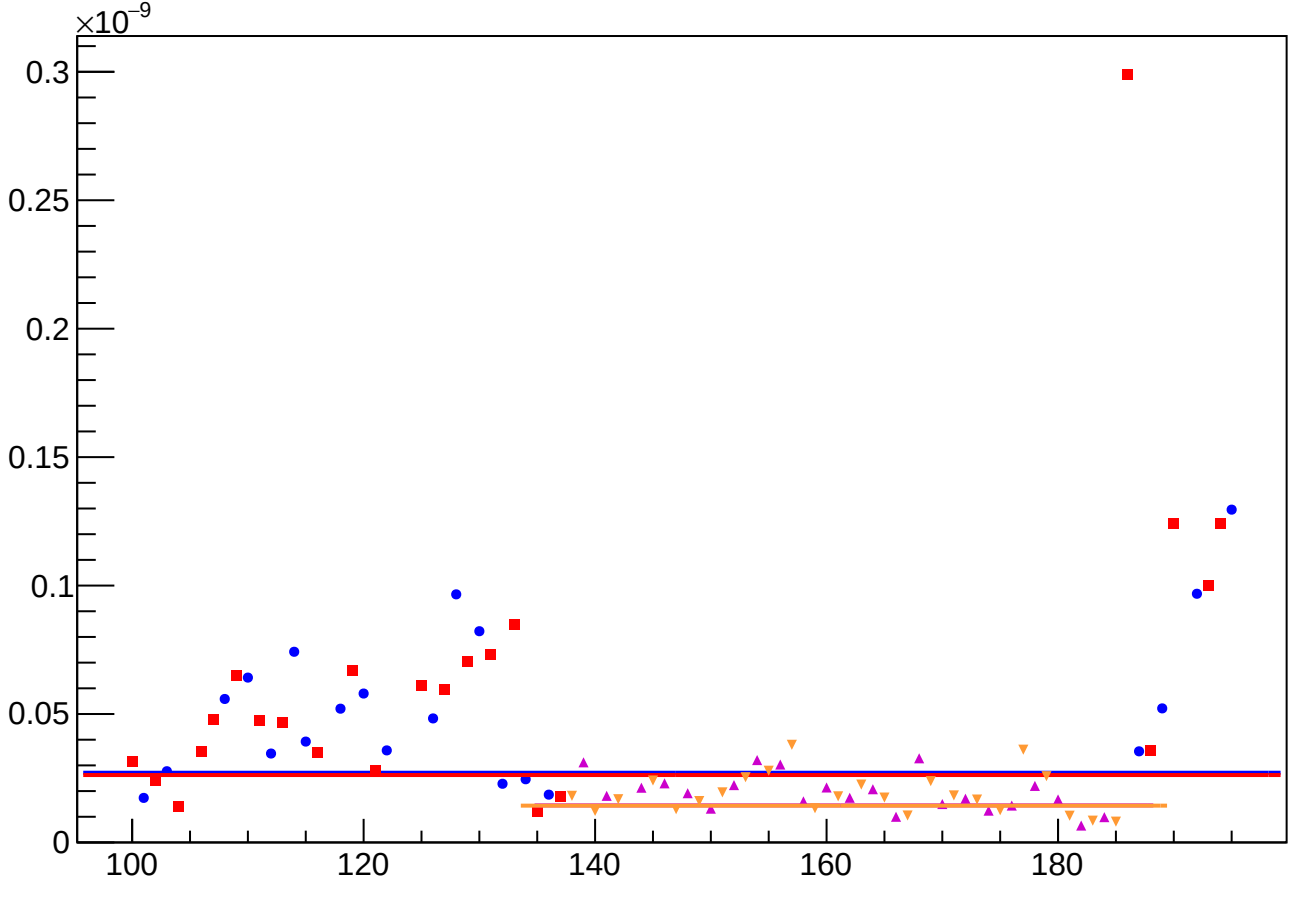
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 52.7/42

In: -0.000+/-0.000 χ^2/NDF:43.3/42

Out: 0.000+/-0.000 χ^2/NDF:58.8/46

All: 0.000+/-0.000 χ^2/NDF: 102.7/89



Right In: 0.000+/-0.000 χ^2/NDF: 3207225.5/19

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5128716.8/22

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

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

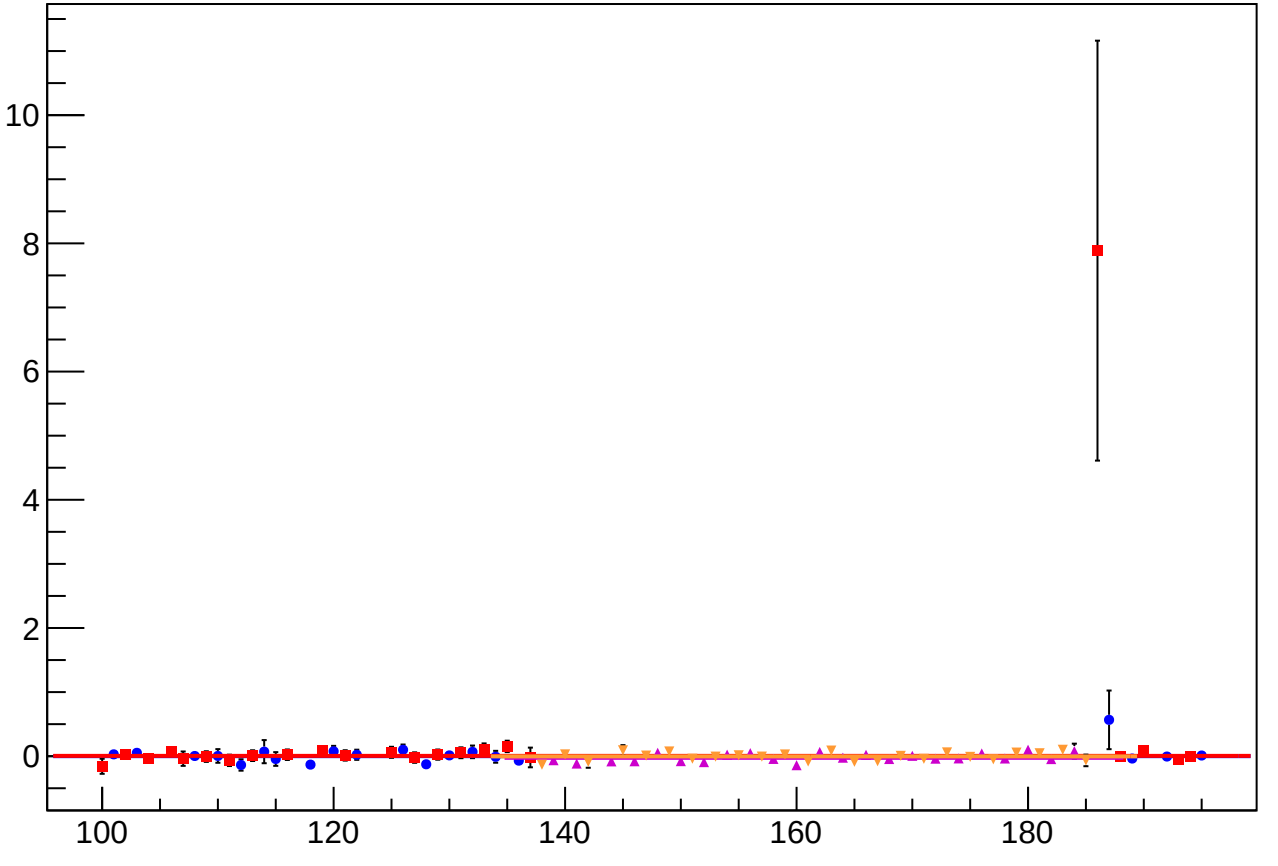
Right: 0.000+/-0.000 χ^2/NDF: 8340762.2/42

In: 0.000+/-0.000 χ^2/NDF:9190300.1/42

Out: 0.000+/-0.000 χ^2/NDF:10267858.5/46

All: 0.000+/-0.000 χ^2/NDF: 19460340.2/89

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.012 χ^2/NDF: 18.2/19

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

Right Out: 0.005+/-0.011 χ^2/NDF: 25.3/22

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

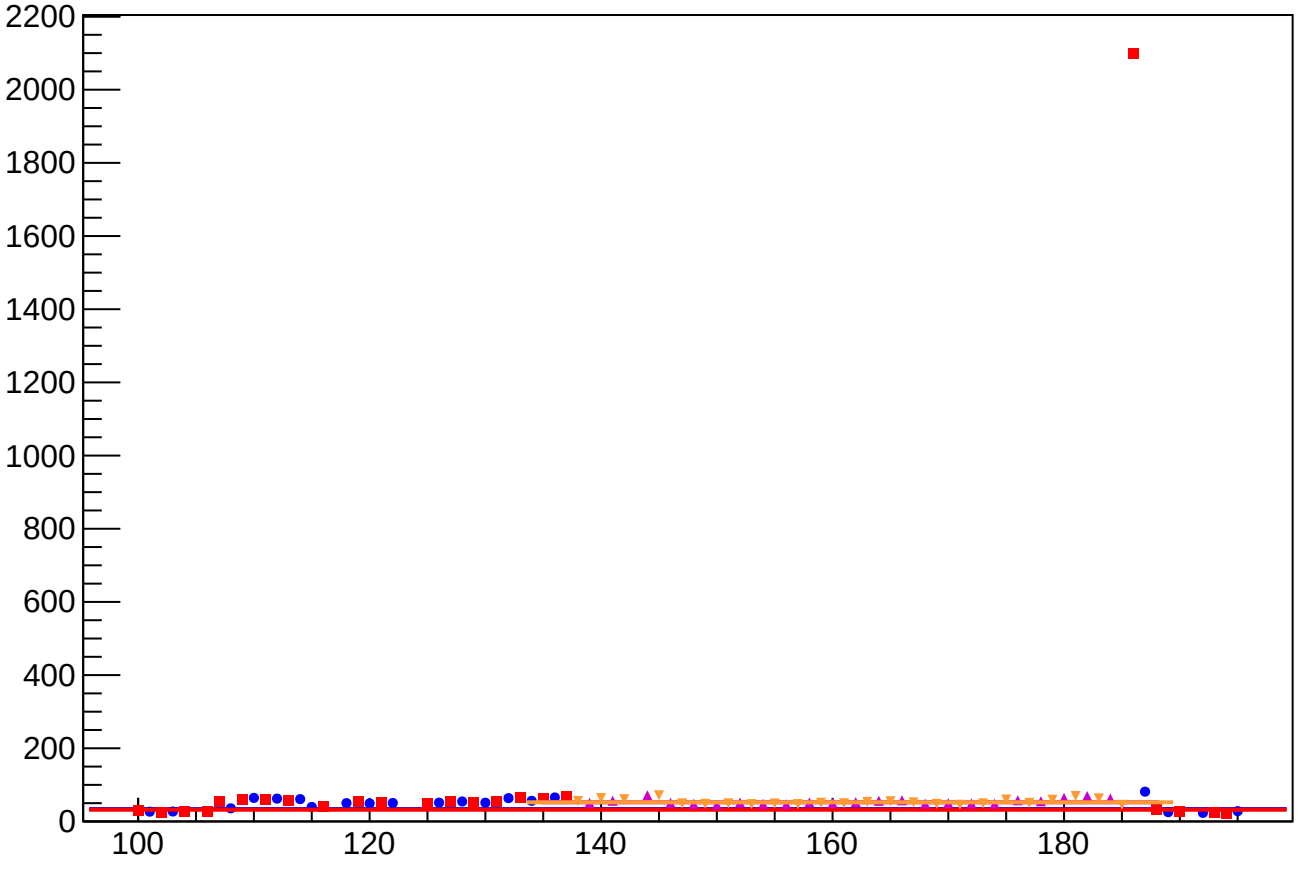
Right: 0.003+/-0.008 χ^2/NDF: 43.6/42

In: -0.012+/-0.009 χ^2/NDF:44.8/42

Out: 0.001+/-0.008 χ^2/NDF:48.7/46

All: -0.005+/-0.006 χ^2/NDF: 94.6/89

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.764+/-0.008 χ^2/NDF: 2433847.5/19

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

Right Out: 32.090+/-0.008 χ^2/NDF: 3537476.2/22

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

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

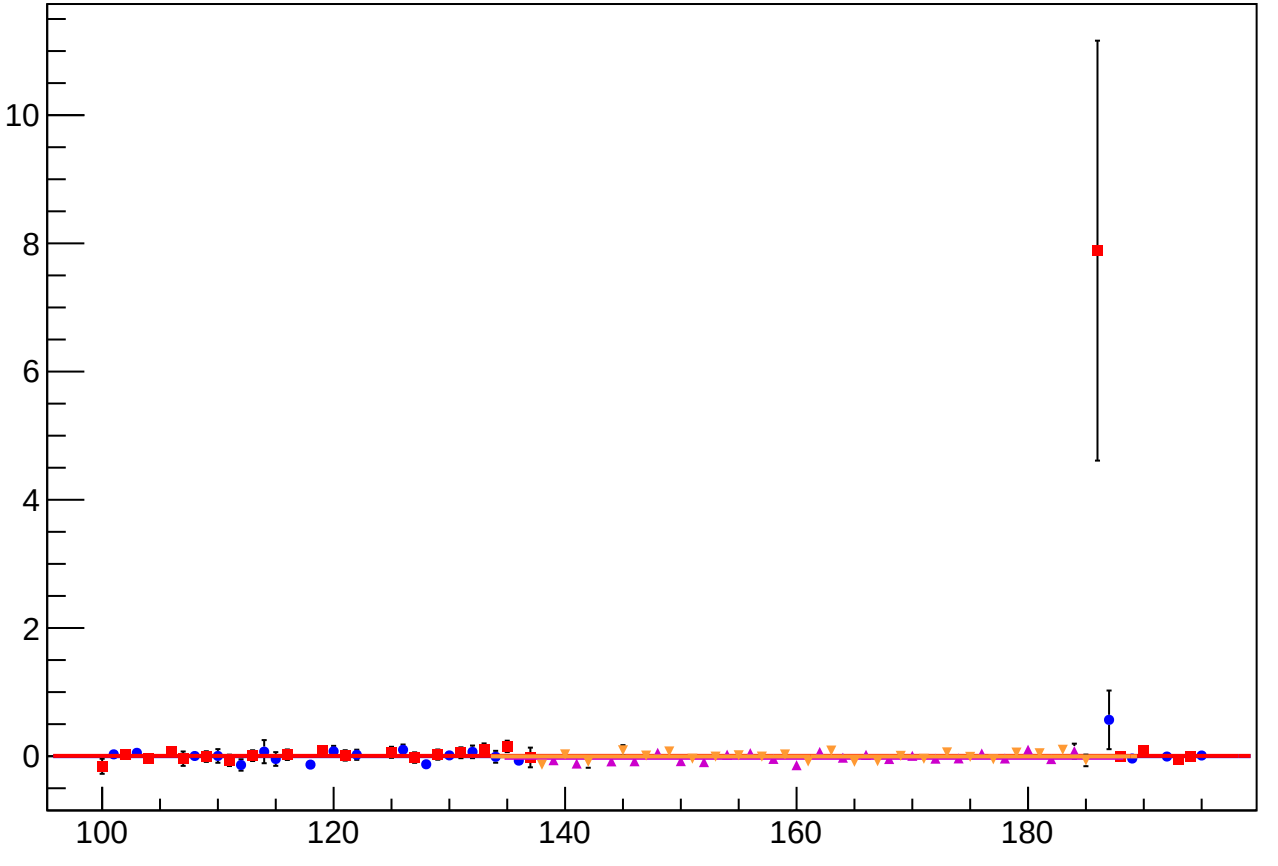
Right: 32.862+/-0.006 χ^2/NDF: 5992342.4/42

In: 42.720+/-0.006 χ^2/NDF:5214422.1/42

Out: 41.088+/-0.006 χ^2/NDF:7023996.2/46

All: 41.867+/-0.004 χ^2/NDF: 12275575.0/89

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.012 χ^2/NDF: 18.2/19

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

Right Out: 0.005+/-0.011 χ^2/NDF: 25.3/22

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

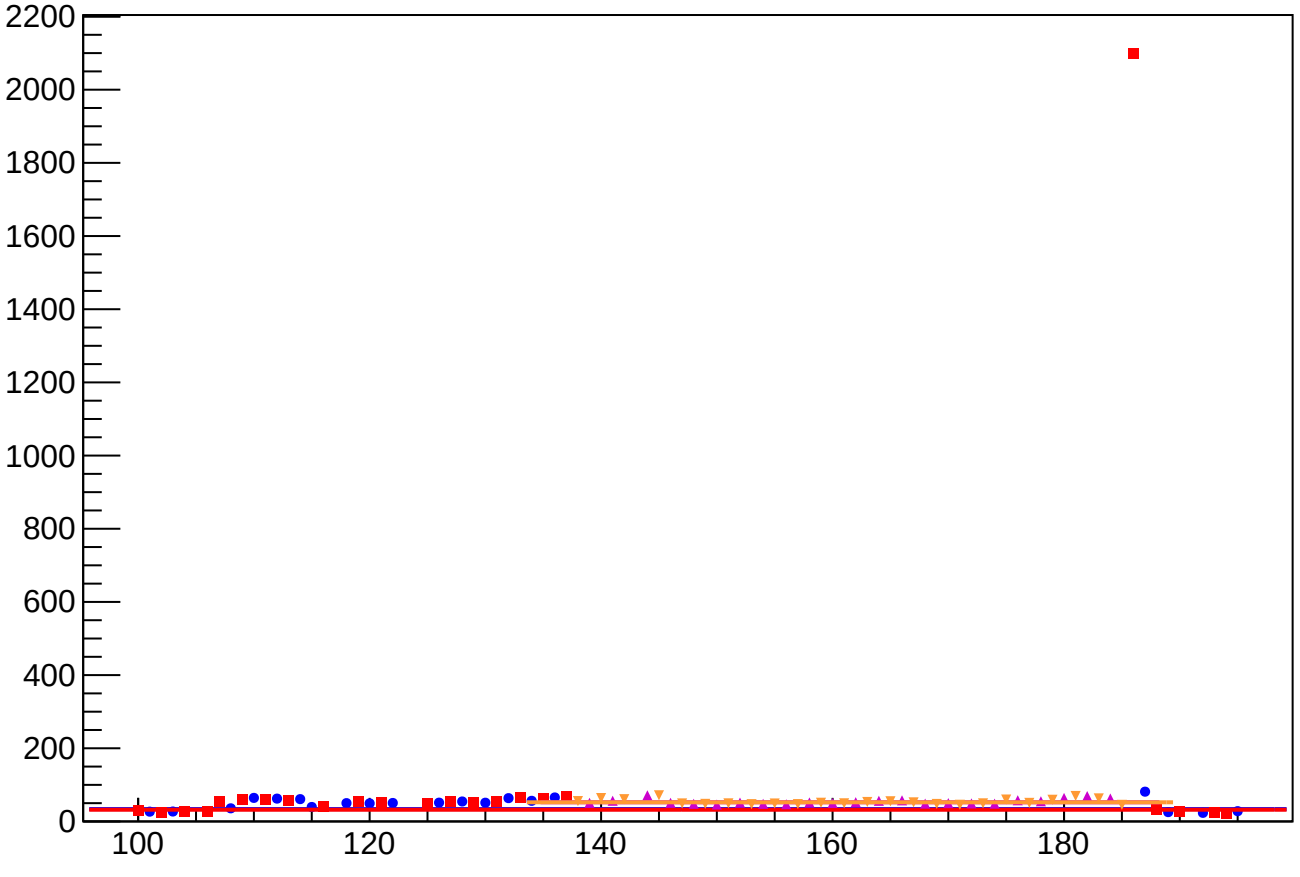
Right: 0.003+/-0.008 χ^2/NDF: 43.6/42

In: -0.012+/-0.009 χ^2/NDF:44.8/42

Out: 0.001+/-0.008 χ^2/NDF:48.7/46

All: -0.005+/-0.006 χ^2/NDF: 94.6/89

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.764+/-0.008 χ^2/NDF: 2433847.5/19

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

Right Out: 32.090+/-0.008 χ^2/NDF: 3537476.2/22

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

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

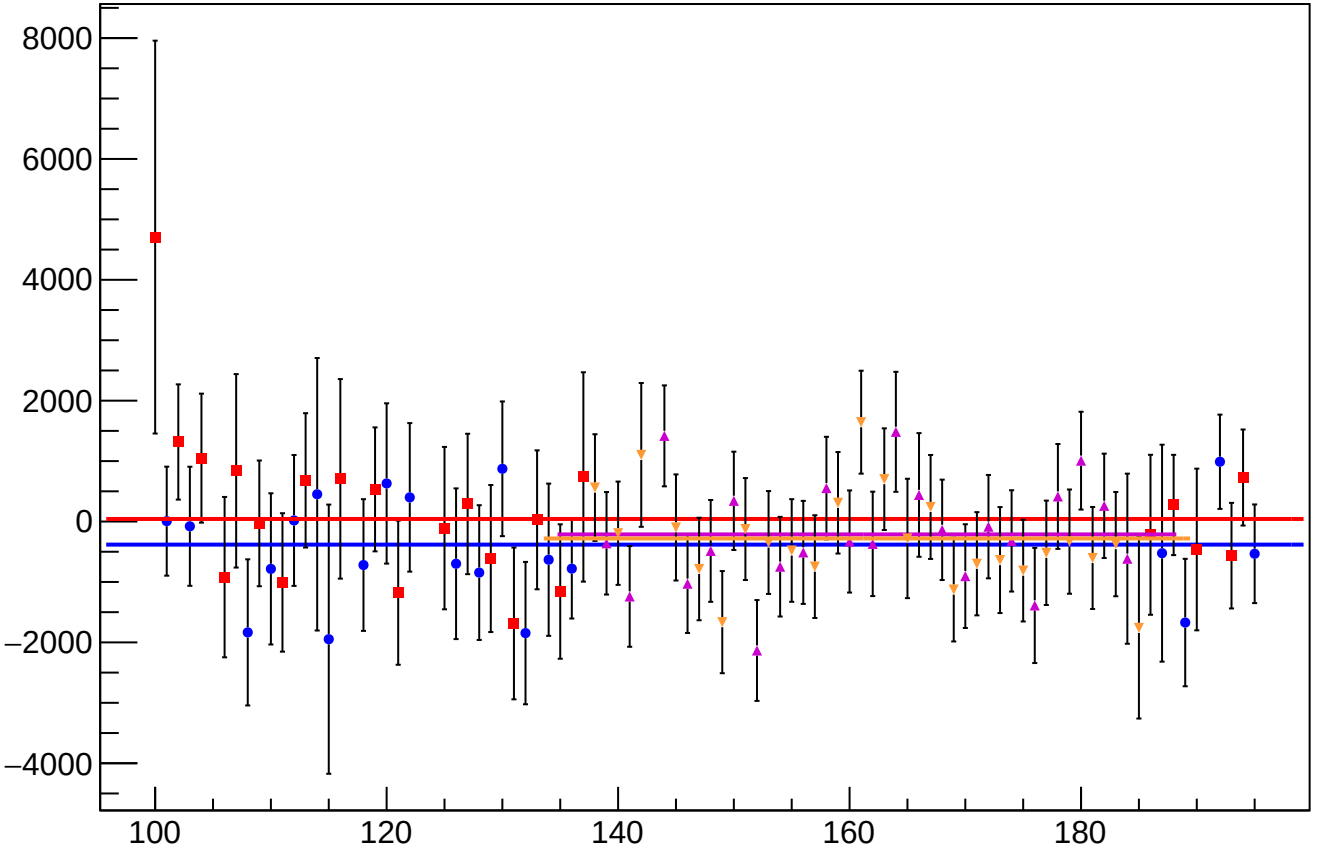
Right: 32.862+/-0.006 χ^2/NDF: 5992342.4/42

In: 42.720+/-0.006 χ^2/NDF:5214422.1/42

Out: 41.088+/-0.006 χ^2/NDF:7023996.2/46

All: 41.867+/-0.004 χ^2/NDF: 12275575.0/89

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -382.171+/-247.453 χ^2/NDF: 11.6/19

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

Right Out: 42.378+/-238.873 χ^2/NDF: 13.2/22

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

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

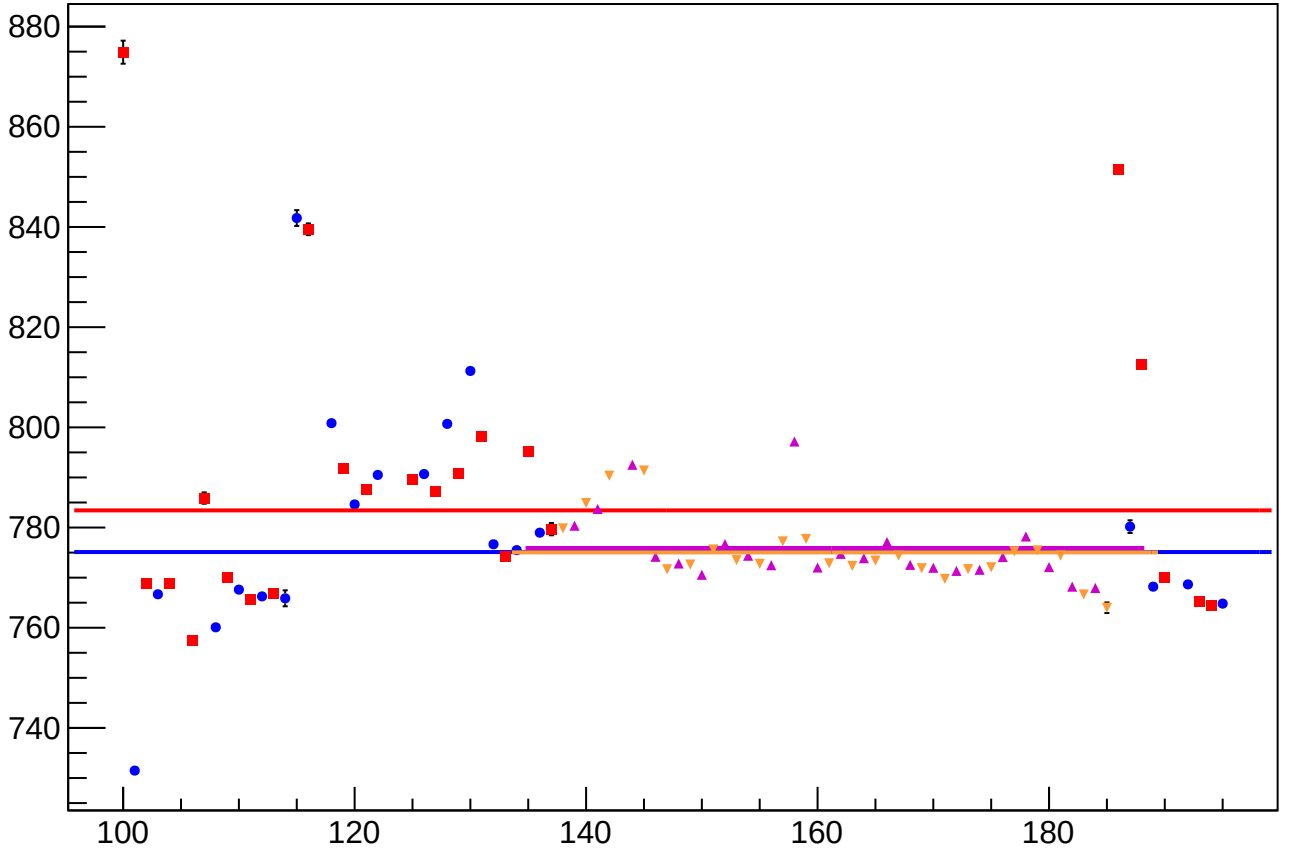
Right: -162.409+/-171.862 χ^2/NDF: 26.3/42

In: -272.311+/-146.178 χ^2/NDF:34.3/42

Out: -163.575+/-143.695 χ^2/NDF:30.4/46

All: -217.012+/-102.474 χ^2/NDF: 65.0/89

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 775.111+/-0.175 χ^2/NDF: 12769.7/19

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

Right Out: 783.426+/-0.169 χ^2/NDF: 17671.0/22

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

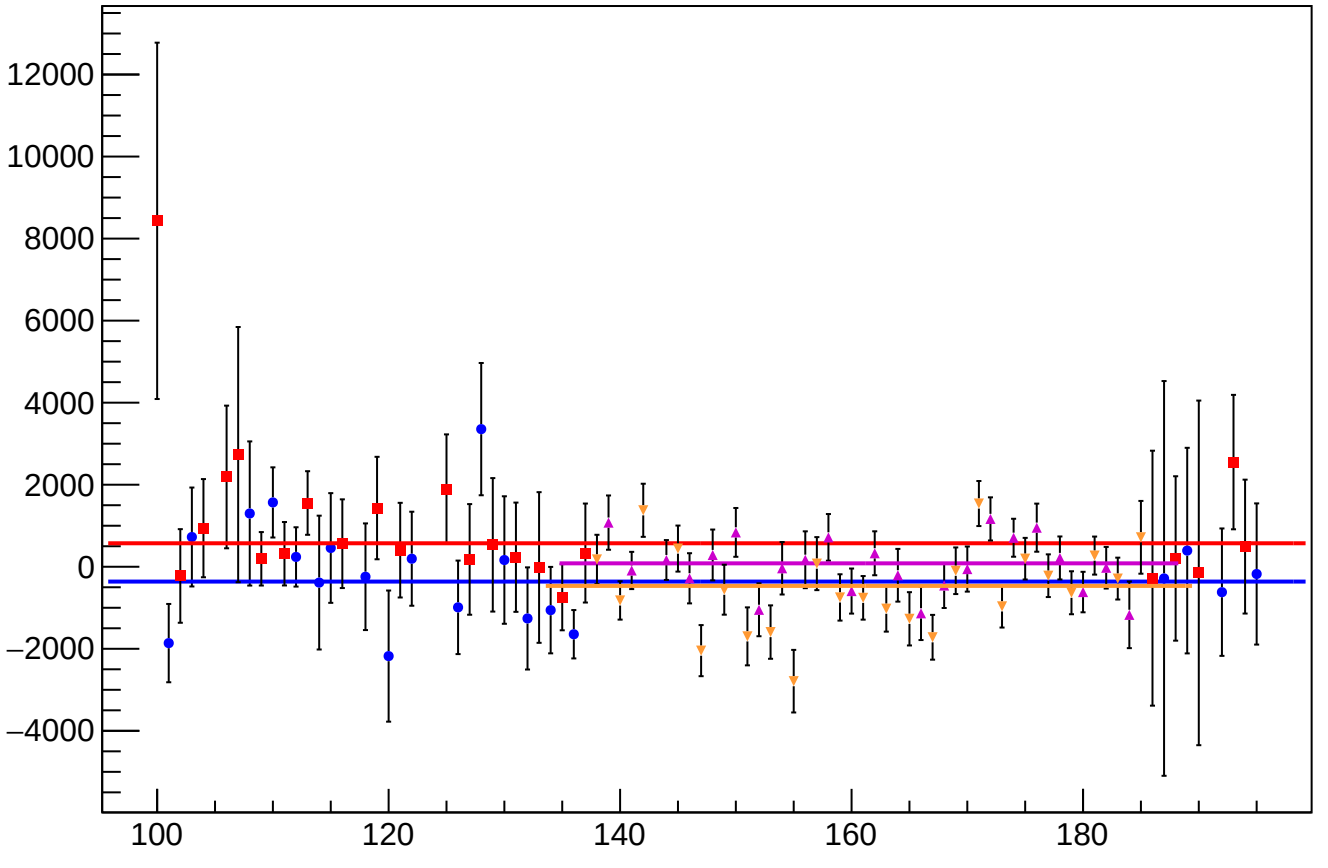
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 779.415+/-0.122 χ^2/NDF: 31609.6/42

In: 775.639+/-0.103 χ^2/NDF:15756.6/42

Out: 778.081+/-0.102 χ^2/NDF:21191.7/46

All: 776.881+/-0.072 χ^2/NDF: 37232.2/89



Right In: -361.391+/-258.080 χ^2/NDF: 23.4/19

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

Right Out: 572.441+/-252.985 χ^2/NDF: 13.3/22

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

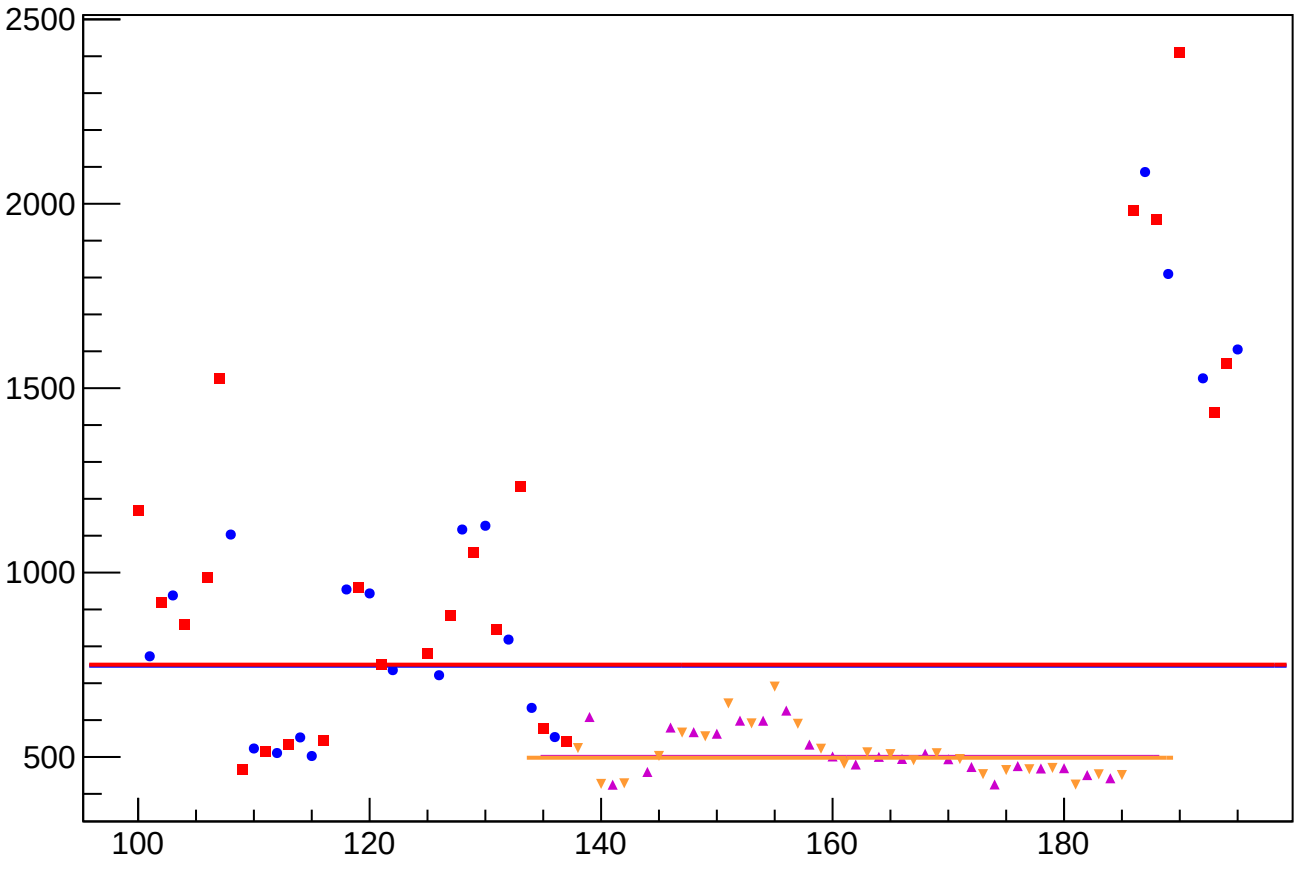
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 114.834+/-180.662 χ^2/NDF: 43.4/42

In: 6.497+/-107.170 χ^2/NDF:54.0/42

Out: -284.717+/-105.978 χ^2/NDF:91.6/46

All: -140.739+/-75.356 χ^2/NDF: 149.4/89



Right In: 747.433+/-0.182 χ^2/NDF: 2646354.1/19

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

Right Out: 750.324+/-0.179 χ^2/NDF: 3677889.8/22

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

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

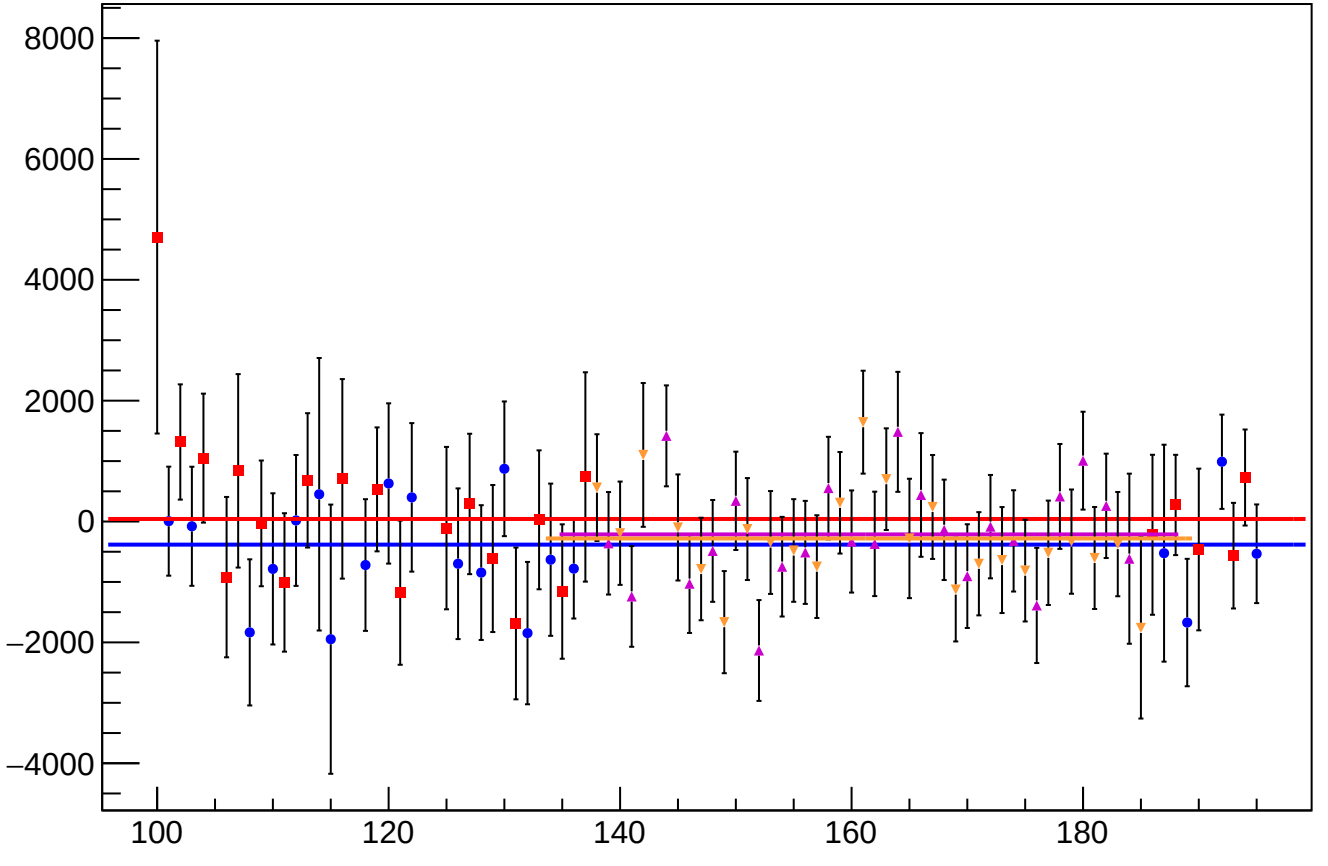
Right: 748.907+/-0.128 χ^2/NDF: 6324372.0/42

In: 542.921+/-0.076 χ^2/NDF:4641339.5/42

Out: 542.251+/-0.075 χ^2/NDF:5845752.0/46

All: 542.582+/-0.053 χ^2/NDF: 10487131.0/89

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -382.171+/-247.453 χ^2/NDF: 11.6/19

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

Right Out: 42.378+/-238.873 χ^2/NDF: 13.2/22

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

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

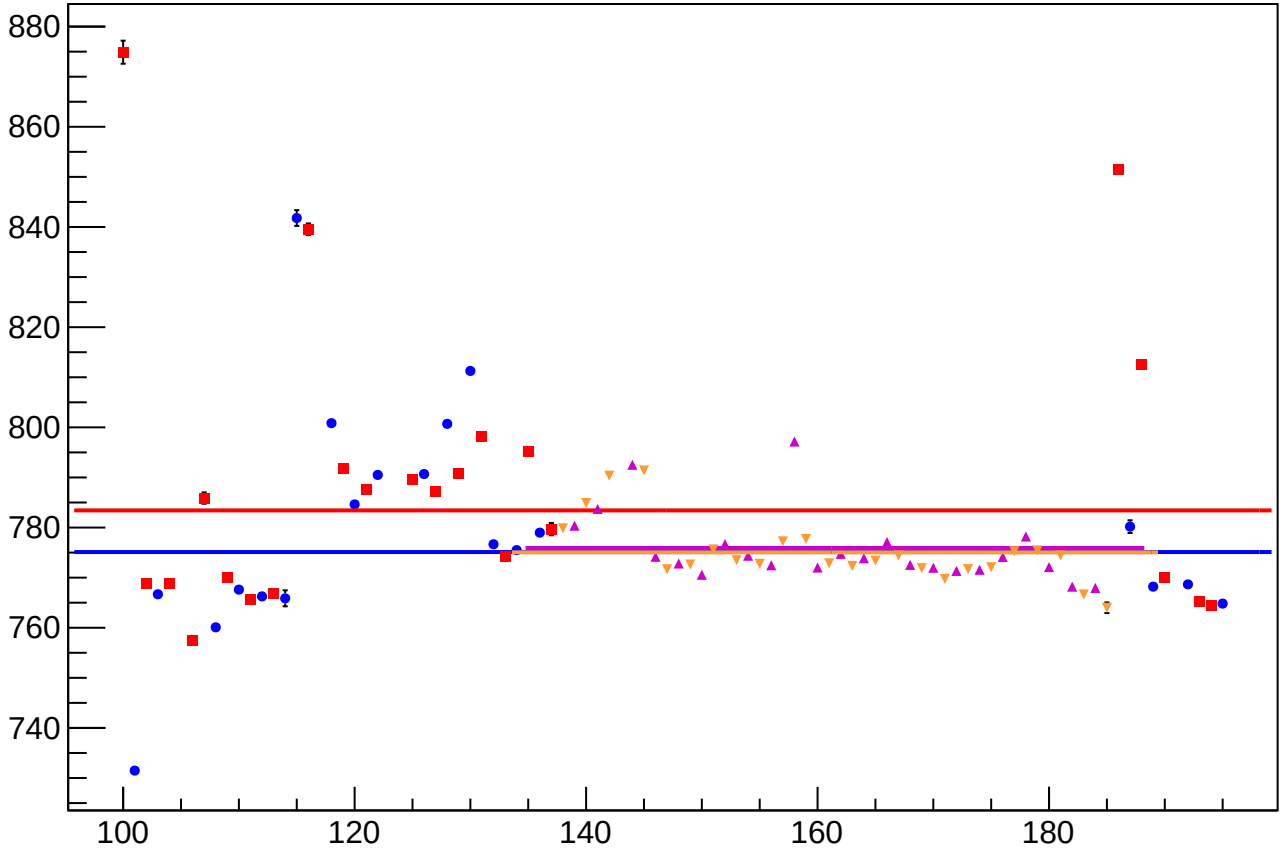
Right: -162.409+/-171.862 χ^2/NDF: 26.3/42

In: -272.311+/-146.178 χ^2/NDF:34.3/42

Out: -163.575+/-143.695 χ^2/NDF:30.4/46

All: -217.012+/-102.474 χ^2/NDF: 65.0/89

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 775.111+/-0.175 χ^2/NDF: 12769.7/19

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

Right Out: 783.426+/-0.169 χ^2/NDF: 17671.0/22

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

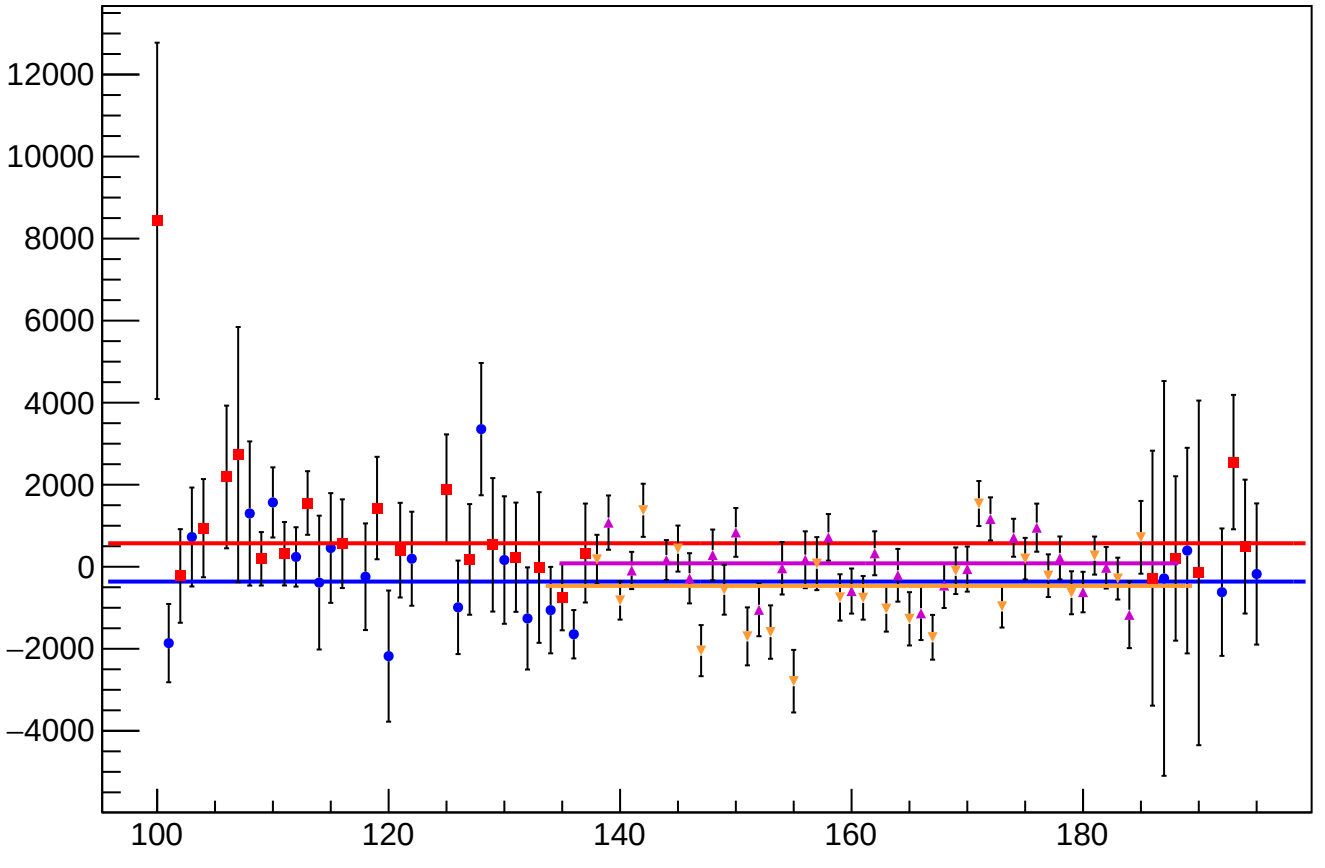
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 779.415+/-0.122 χ^2/NDF: 31609.6/42

In: 775.639+/-0.103 χ^2/NDF:15756.6/42

Out: 778.081+/-0.102 χ^2/NDF:21191.7/46

All: 776.881+/-0.072 χ^2/NDF: 37232.2/89



Right In: -361.391+/-258.080 χ^2/NDF: 23.4/19

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

Right Out: 572.441+/-252.985 χ^2/NDF: 13.3/22

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

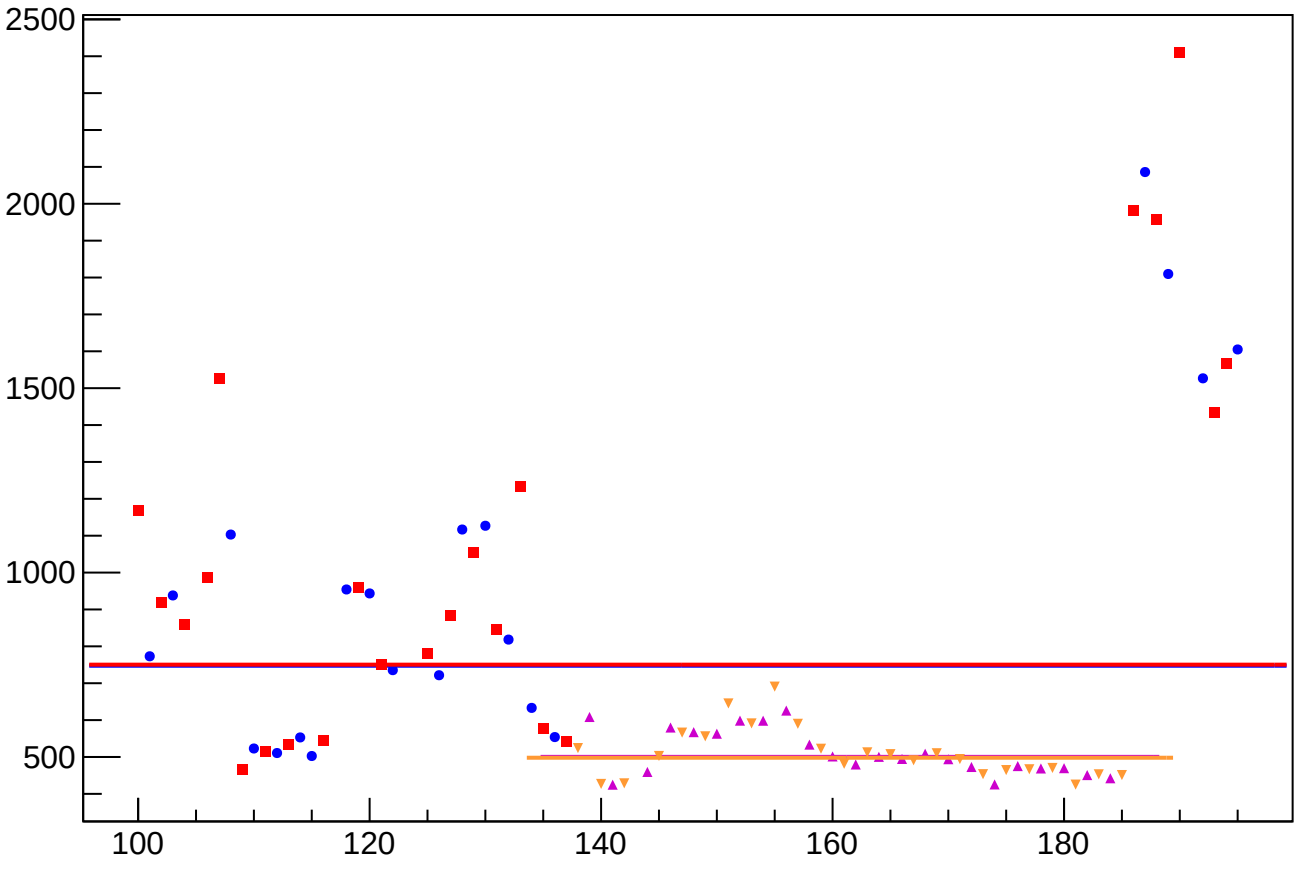
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 114.834+/-180.662 χ^2/NDF: 43.4/42

In: 6.497+/-107.170 χ^2/NDF:54.0/42

Out: -284.717+/-105.978 χ^2/NDF:91.6/46

All: -140.739+/-75.356 χ^2/NDF: 149.4/89



Right In: 747.433+/-0.182 χ^2/NDF: 2646354.1/19

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

Right Out: 750.324+/-0.179 χ^2/NDF: 3677889.8/22

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

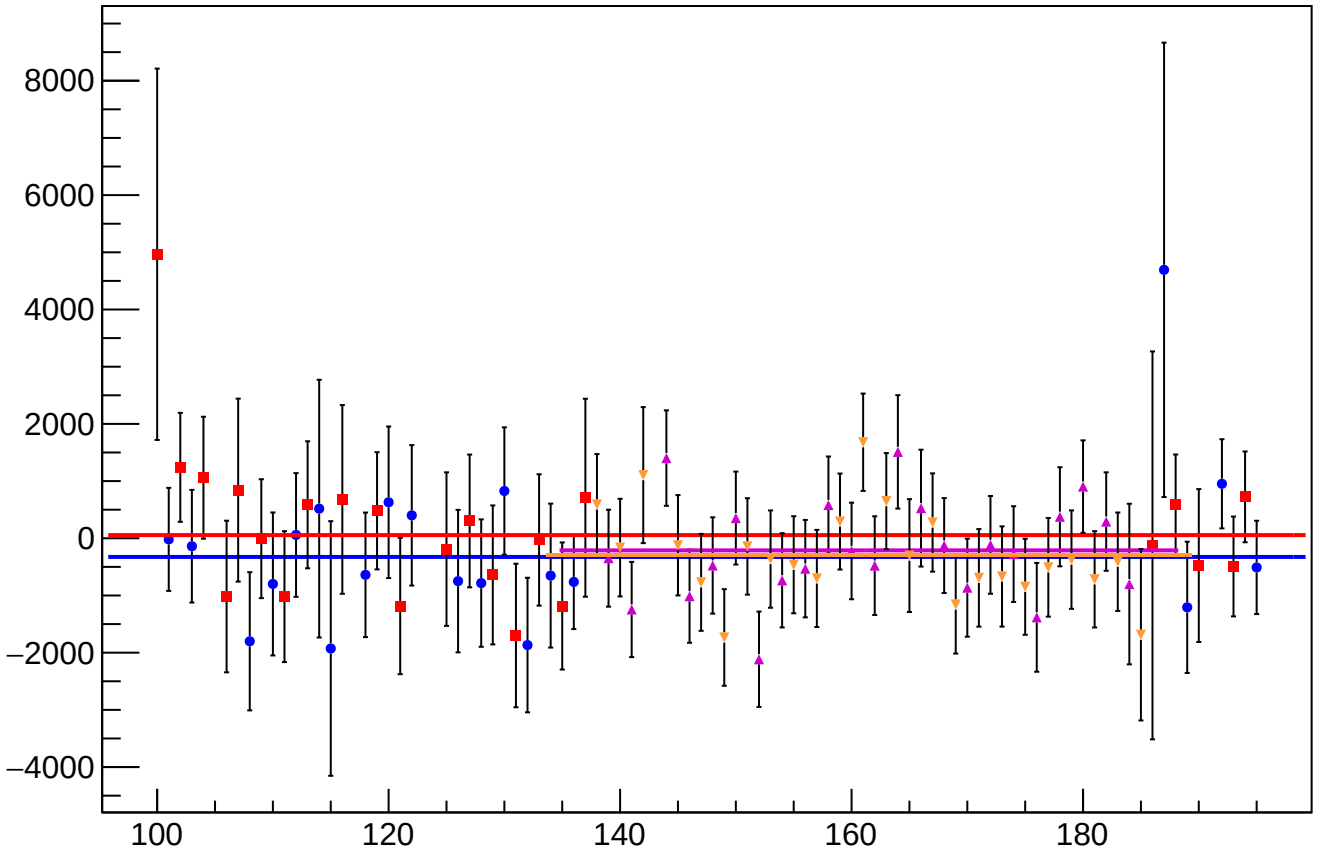
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 748.907+/-0.128 χ^2/NDF: 6324372.0/42

In: 542.921+/-0.076 χ^2/NDF:4641339.5/42

Out: 542.251+/-0.075 χ^2/NDF:5845752.0/46

All: 542.582+/-0.053 χ^2/NDF: 10487131.0/89



Right In: -326.183+/-250.217 χ^2/NDF: 11.9/19

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

Right Out: 55.753+/-243.061 χ^2/NDF: 13.5/22

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

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

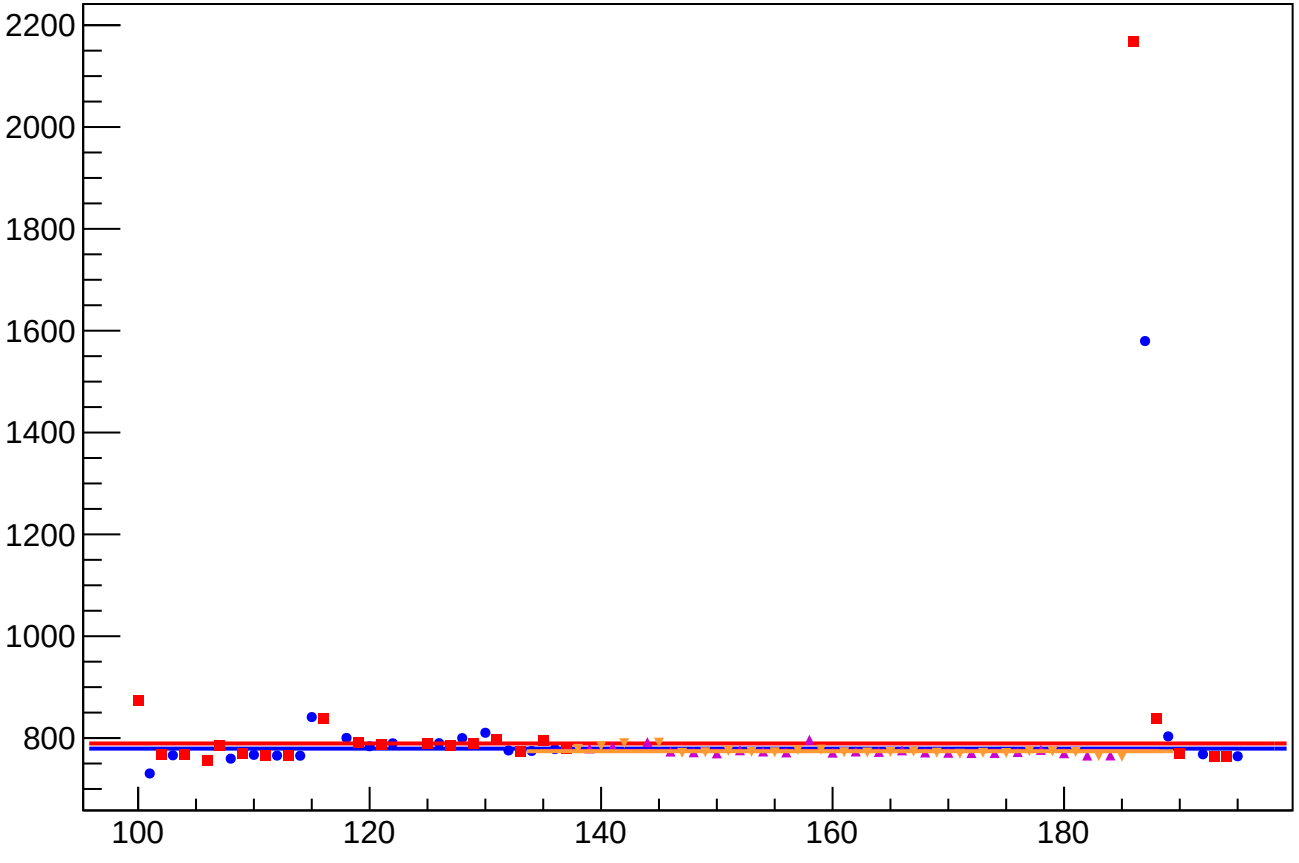
Right: -129.676+/-174.345 χ^2/NDF: 26.6/42

In: -250.710+/-146.627 χ^2/NDF:34.1/42

Out: -169.147+/-144.482 χ^2/NDF:31.5/46

All: -209.328+/-102.914 χ^2/NDF: 65.8/89

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 779.252+/-0.177 χ^2/NDF: 95425.3/19

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

Right Out: 789.368+/-0.172 χ^2/NDF: 349794.7/22

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

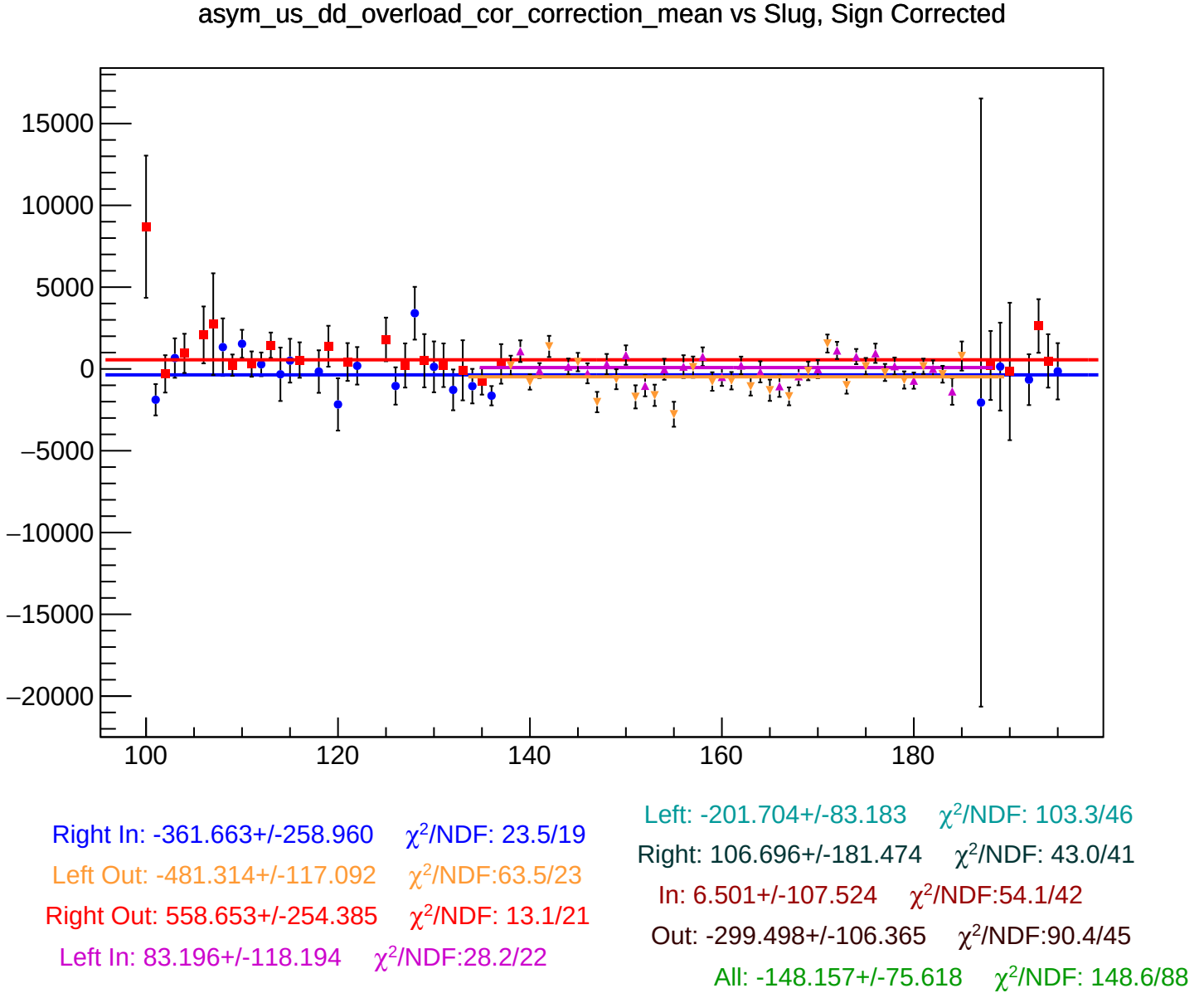
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 784.457+/-0.123 χ^2/NDF: 446901.7/42

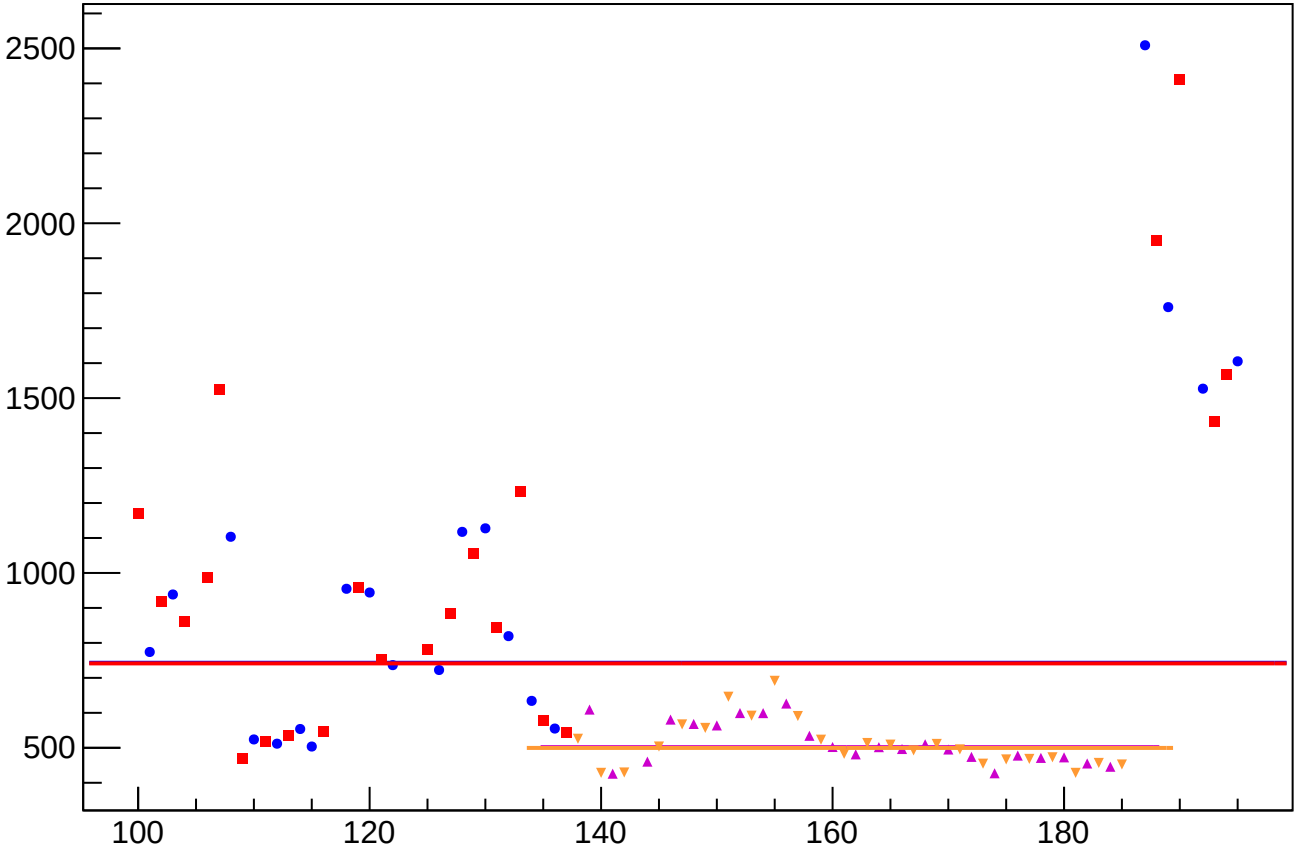
In: 776.453+/-0.104 χ^2/NDF:98954.5/42

Out: 779.522+/-0.102 χ^2/NDF:356930.1/46

All: 778.010+/-0.073 χ^2/NDF: 456329.0/89


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
Right In: -361.663+/-258.960 χ²/NDF: 23.5/19
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 558.653+/-254.385 χ²/NDF: 13.1/21
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 106.696+/-181.474 χ²/NDF: 43.0/41
In: 6.501+/-107.524 χ²/NDF:54.1/42
Out: -299.498+/-106.365 χ²/NDF:90.4/45
All: -148.157+/-75.618 χ²/NDF: 148.6/88

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 743.178+/-0.183 χ^2/NDF: 2426630.0/19

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

Right Out: 741.371+/-0.180 χ^2/NDF: 3273298.6/21

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

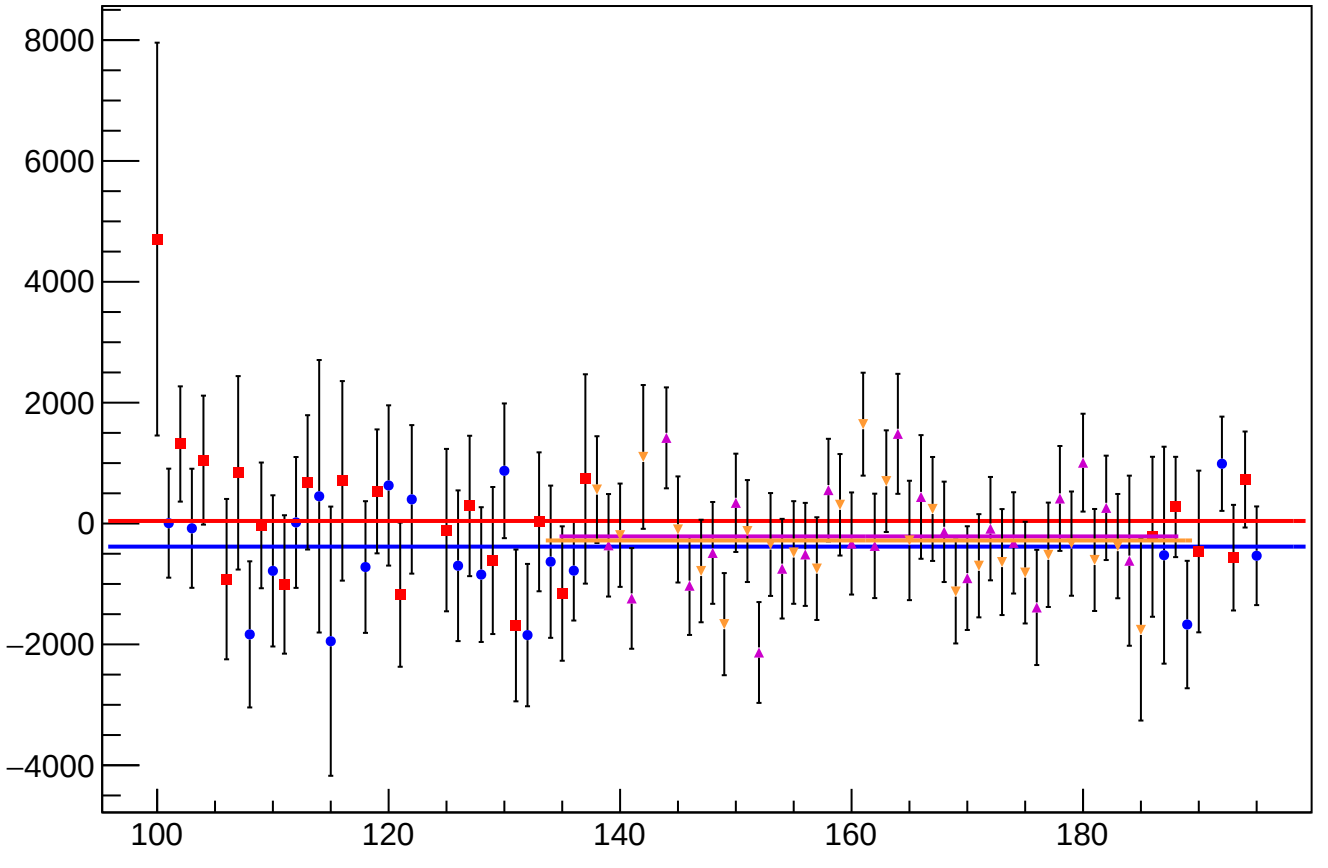
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 742.259+/-0.128 χ^2/NDF: 5699978.1/41

In: 543.601+/-0.076 χ^2/NDF:4329453.0/42

Out: 541.926+/-0.075 χ^2/NDF:5279481.2/45

All: 542.755+/-0.053 χ^2/NDF: 9609179.6/88



Right In: -382.171+/-247.453 χ^2/NDF: 11.6/19

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

Right Out: 42.378+/-238.873 χ^2/NDF: 13.2/22

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

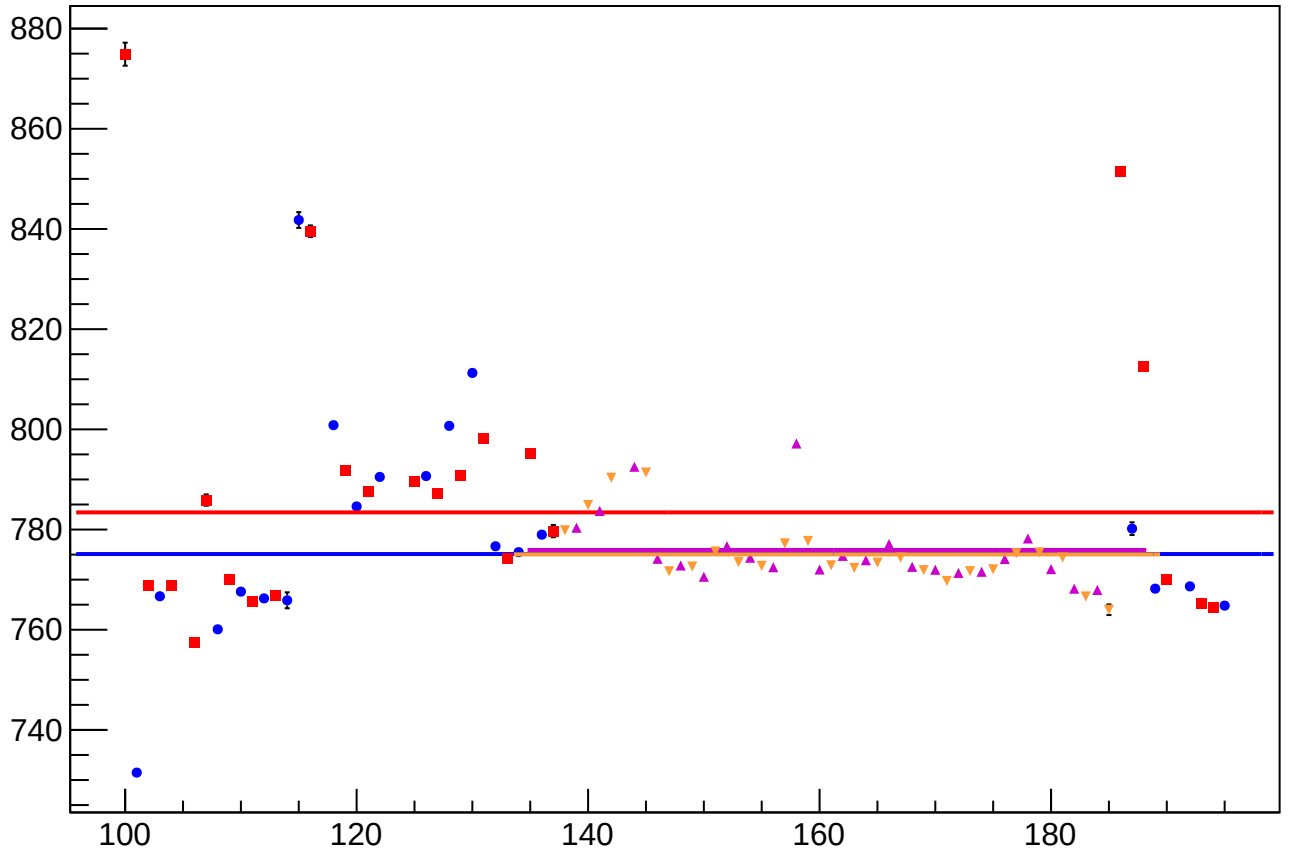
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -162.409+/-171.862 χ^2/NDF: 26.3/42

In: -272.311+/-146.178 χ^2/NDF:34.3/42

Out: -163.575+/-143.695 χ^2/NDF:30.4/46

All: -217.012+/-102.474 χ^2/NDF: 65.0/89



Right In: 775.111+/-0.175 χ^2/NDF: 12769.7/19

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

Right Out: 783.426+/-0.169 χ^2/NDF: 17671.0/22

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

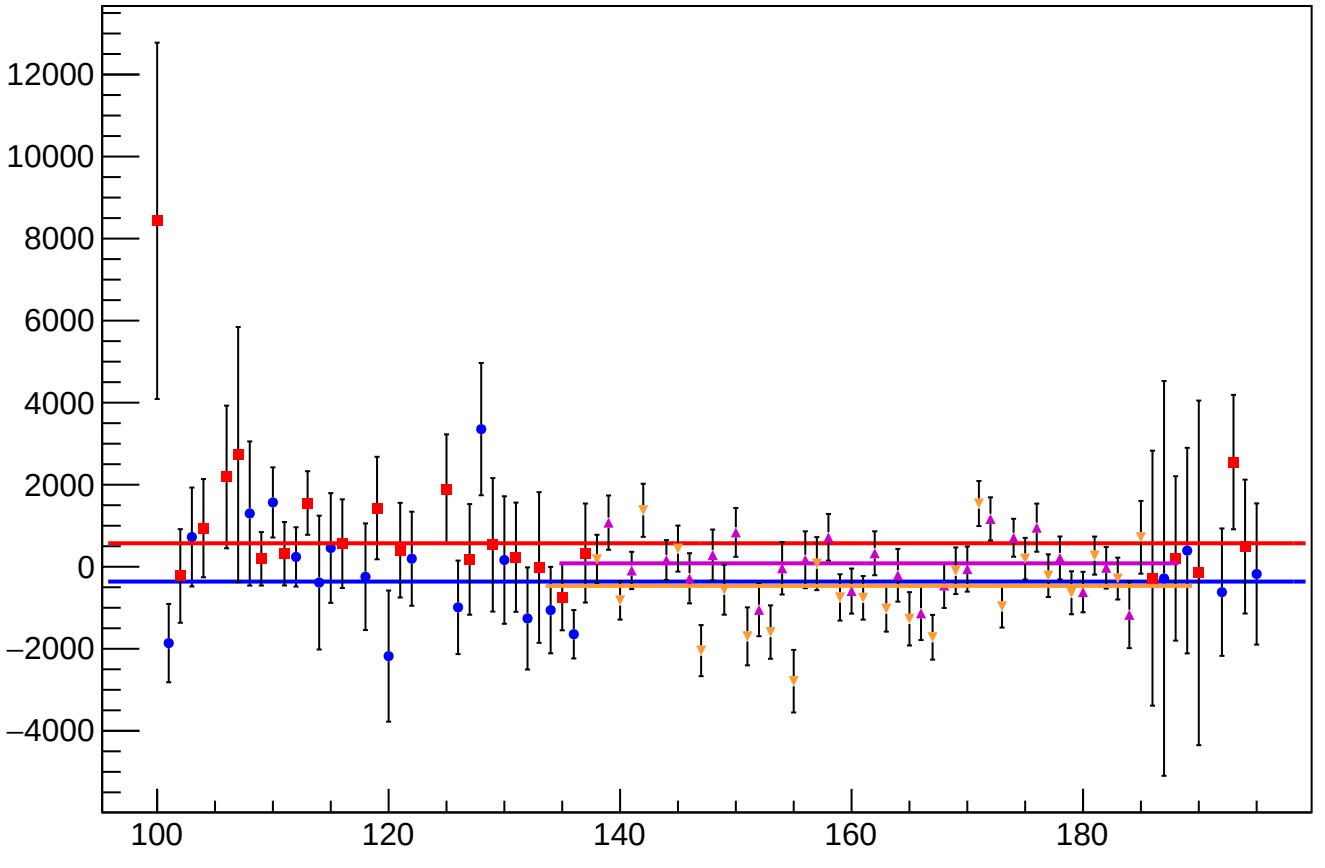
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 779.415+/-0.122 χ^2/NDF: 31609.6/42

In: 775.639+/-0.103 χ^2/NDF:15756.6/42

Out: 778.081+/-0.102 χ^2/NDF:21191.7/46

All: 776.881+/-0.072 χ^2/NDF: 37232.2/89



Right In: -361.391+/-258.080 χ^2/NDF: 23.4/19

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

Right Out: 572.441+/-252.985 χ^2/NDF: 13.3/22

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

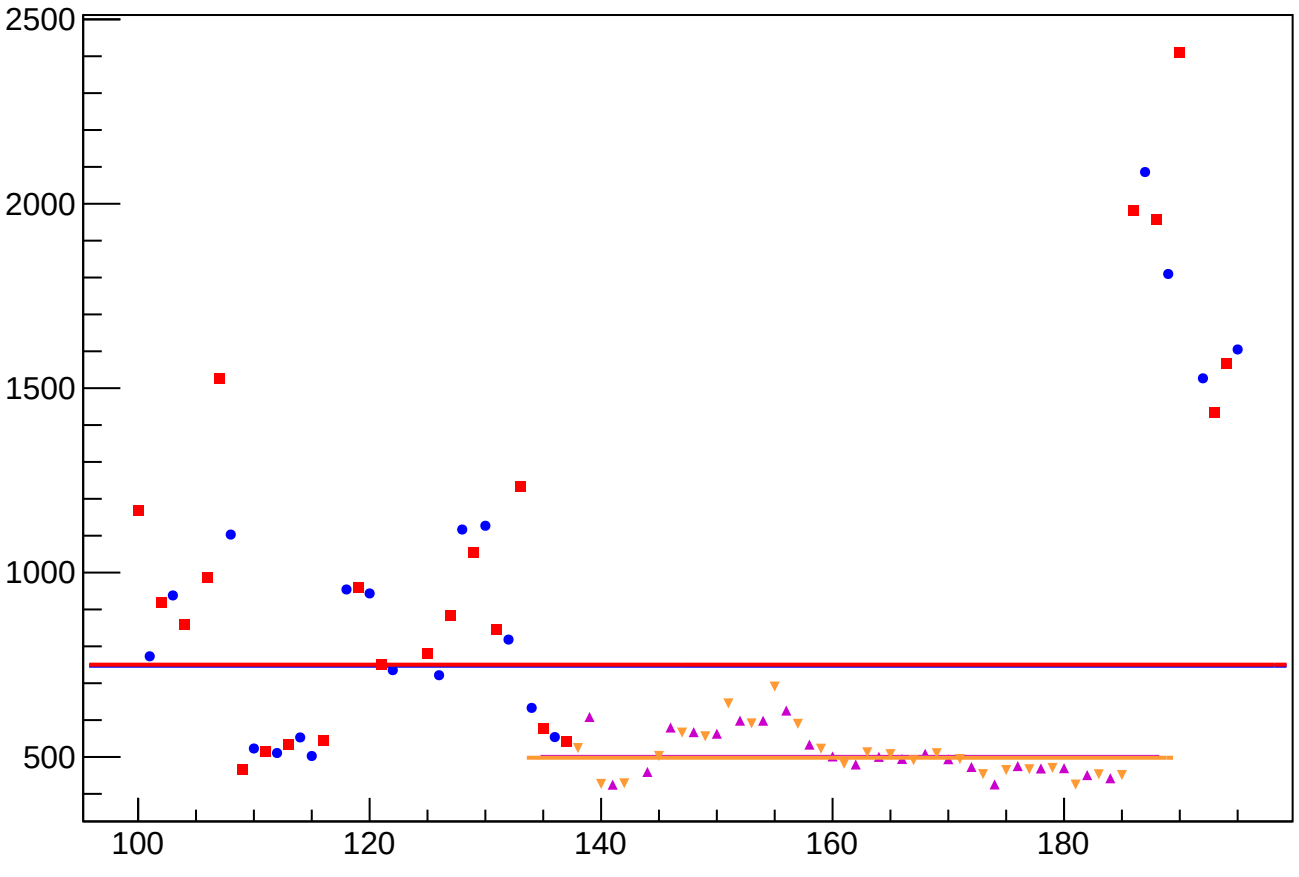
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 114.834+/-180.662 χ^2/NDF: 43.4/42

In: 6.497+/-107.170 χ^2/NDF:54.0/42

Out: -284.717+/-105.978 χ^2/NDF:91.6/46

All: -140.739+/-75.356 χ^2/NDF: 149.4/89



Right In: 747.433+/-0.182 χ^2/NDF: 2646354.1/19

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

Right Out: 750.324+/-0.179 χ^2/NDF: 3677889.8/22

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

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

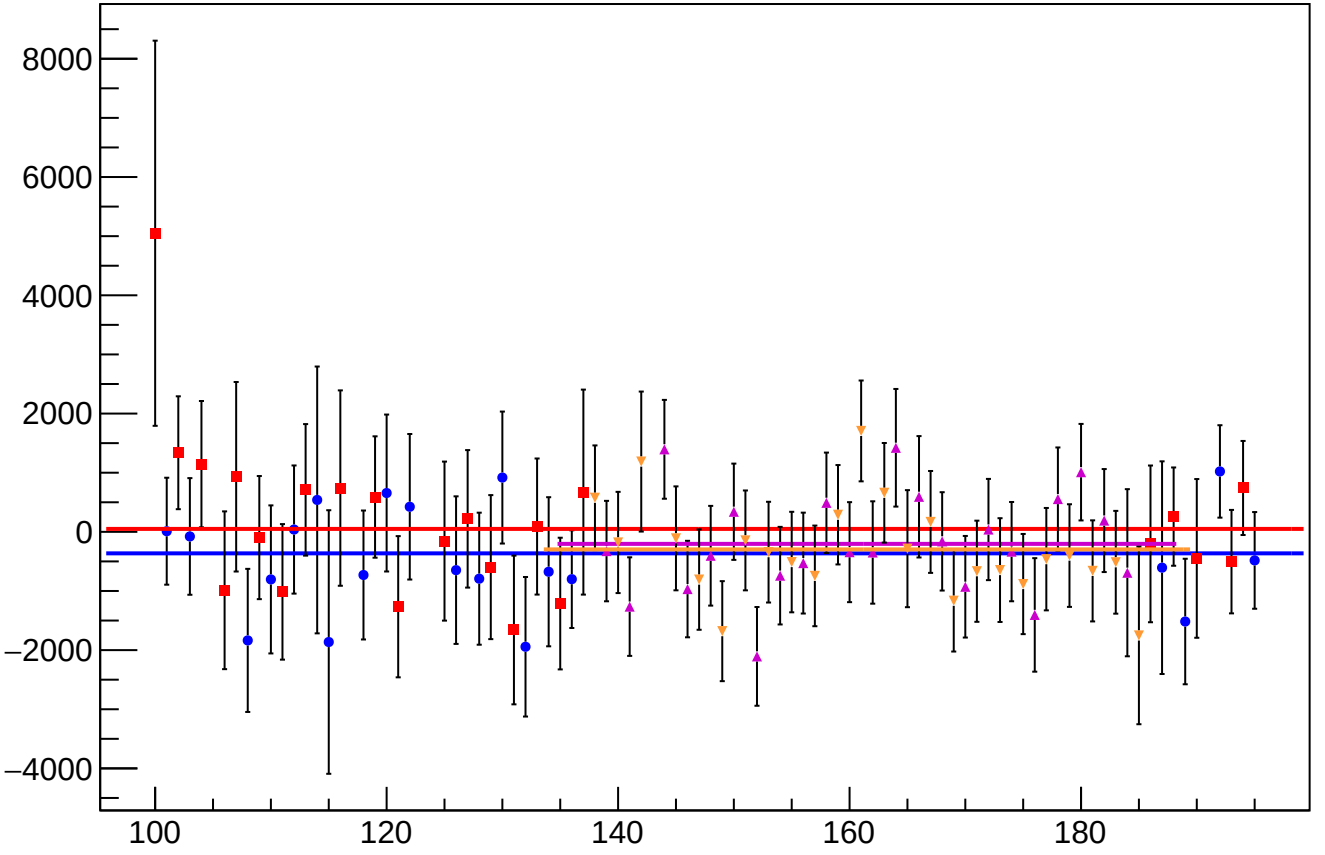
Right: 748.907+/-0.128 χ^2/NDF: 6324372.0/42

In: 542.921+/-0.076 χ^2/NDF:4641339.5/42

Out: 542.251+/-0.075 χ^2/NDF:5845752.0/46

All: 542.582+/-0.053 χ^2/NDF: 10487131.0/89

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -363.700+/-247.807 χ^2/NDF: 11.7/19

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

Right Out: 49.651+/-239.140 χ^2/NDF: 14.0/22

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

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

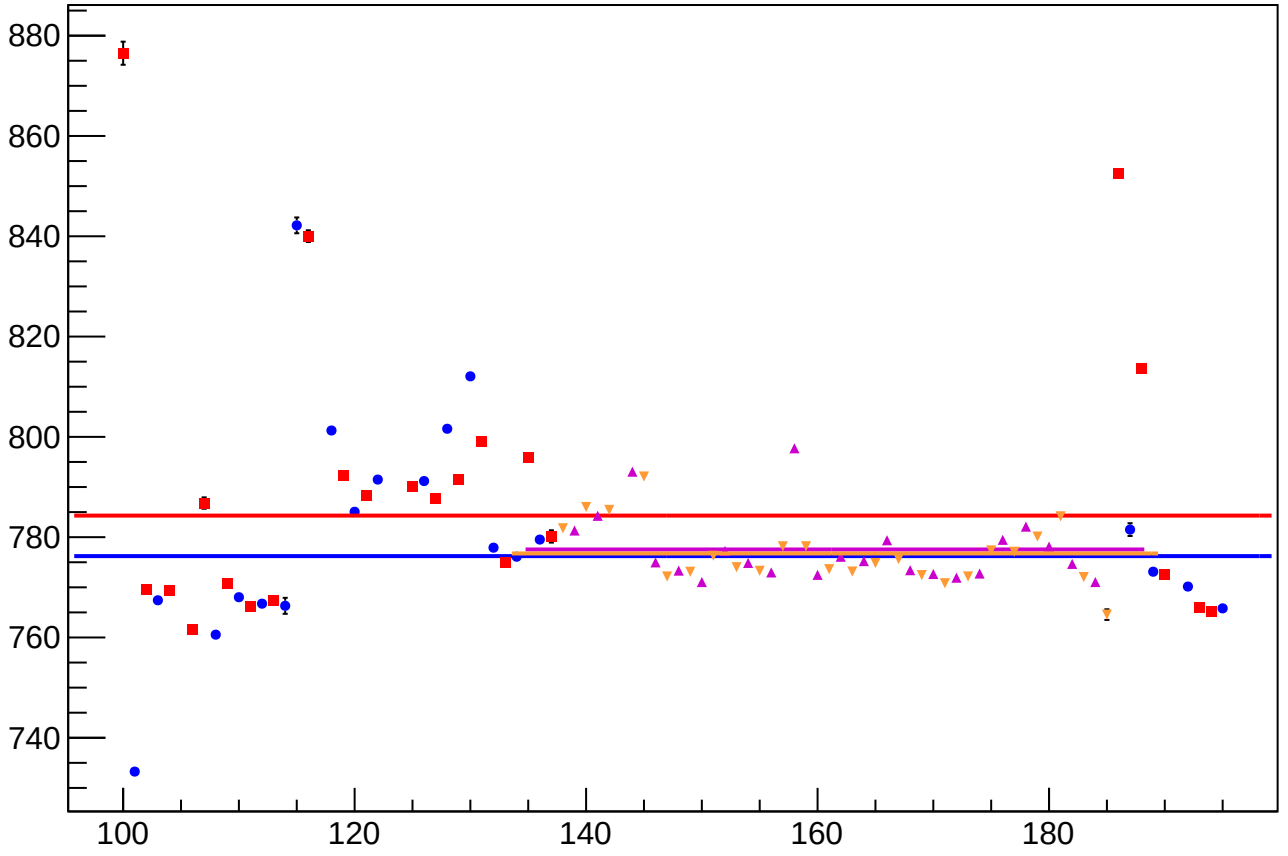
Right: -149.669+/-172.080 χ^2/NDF: 27.2/42

In: -259.348+/-146.451 χ^2/NDF:34.1/42

Out: -171.236+/-143.956 χ^2/NDF:32.1/46

All: -214.535+/-102.663 χ^2/NDF: 66.4/89

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 776.225+/-0.175 χ^2/NDF: 12394.3/19

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

Right Out: 784.304+/-0.169 χ^2/NDF: 17525.1/22

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

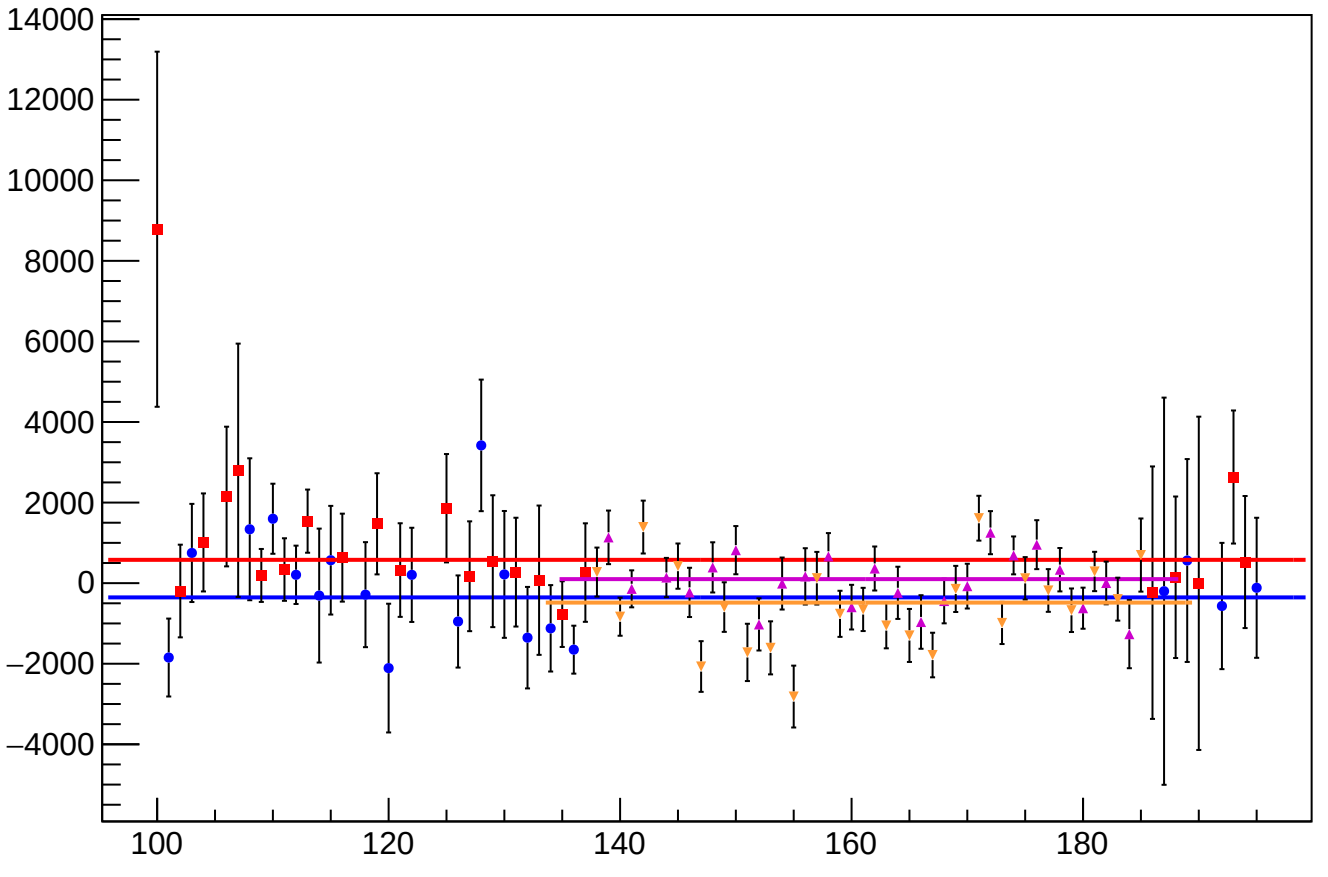
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 780.408+/-0.122 χ^2/NDF: 31019.9/42

In: 777.087+/-0.104 χ^2/NDF:15182.2/42

Out: 779.488+/-0.102 χ^2/NDF:20623.5/46

All: 778.308+/-0.073 χ^2/NDF: 36079.0/89



Right In: -353.607+/-260.586 χ^2/NDF: 23.5/19

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

Right Out: 578.661+/-255.167 χ^2/NDF: 13.5/22

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

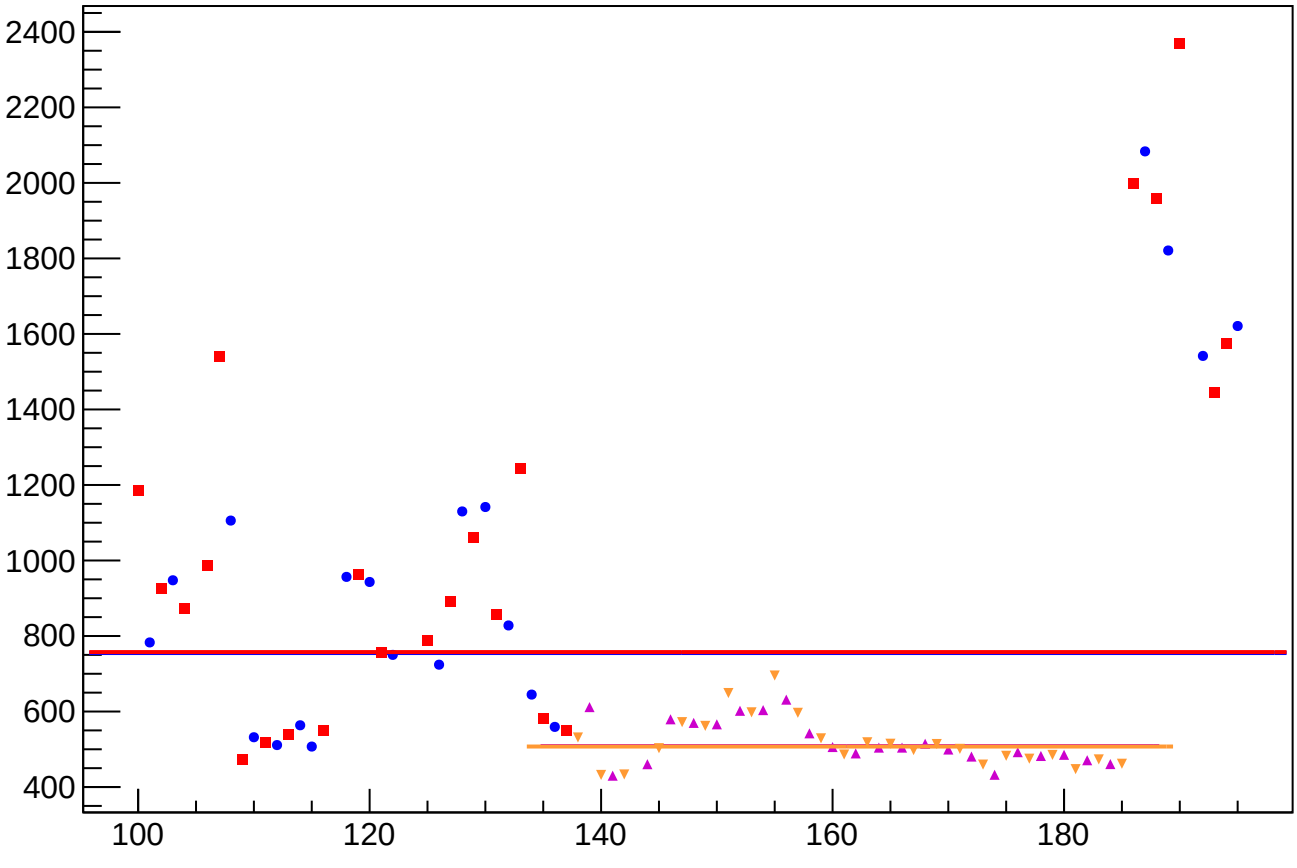
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 122.322+/-182.316 χ^2/NDF: 43.5/42

In: 20.978+/-108.756 χ^2/NDF:53.4/42

Out: -293.760+/-107.704 χ^2/NDF:92.8/46

All: -137.921+/-76.527 χ^2/NDF: 150.4/89



Right In: 754.923+/-0.184 χ^2/NDF: 2642663.2/19

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

Right Out: 757.455+/-0.180 χ^2/NDF: 3653817.1/22

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

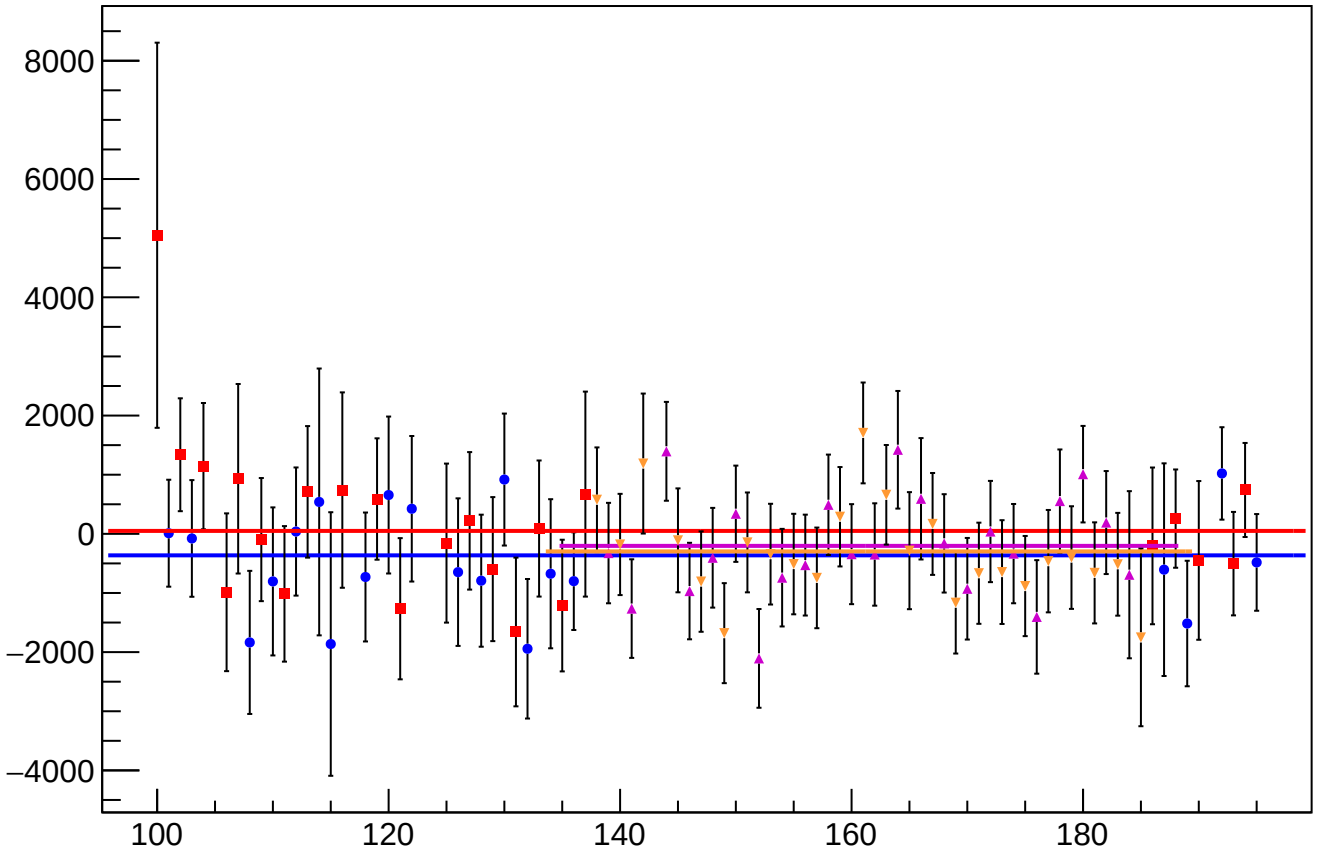
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 756.215+/-0.129 χ^2/NDF: 6296576.7/42

In: 551.537+/-0.077 χ^2/NDF:4550431.0/42

Out: 551.883+/-0.076 χ^2/NDF:5707306.3/46

All: 551.712+/-0.054 χ^2/NDF: 10257747.5/89



Right In: -363.700+/-247.807 χ^2/NDF: 11.7/19

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

Right Out: 49.650+/-239.140 χ^2/NDF: 14.0/22

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

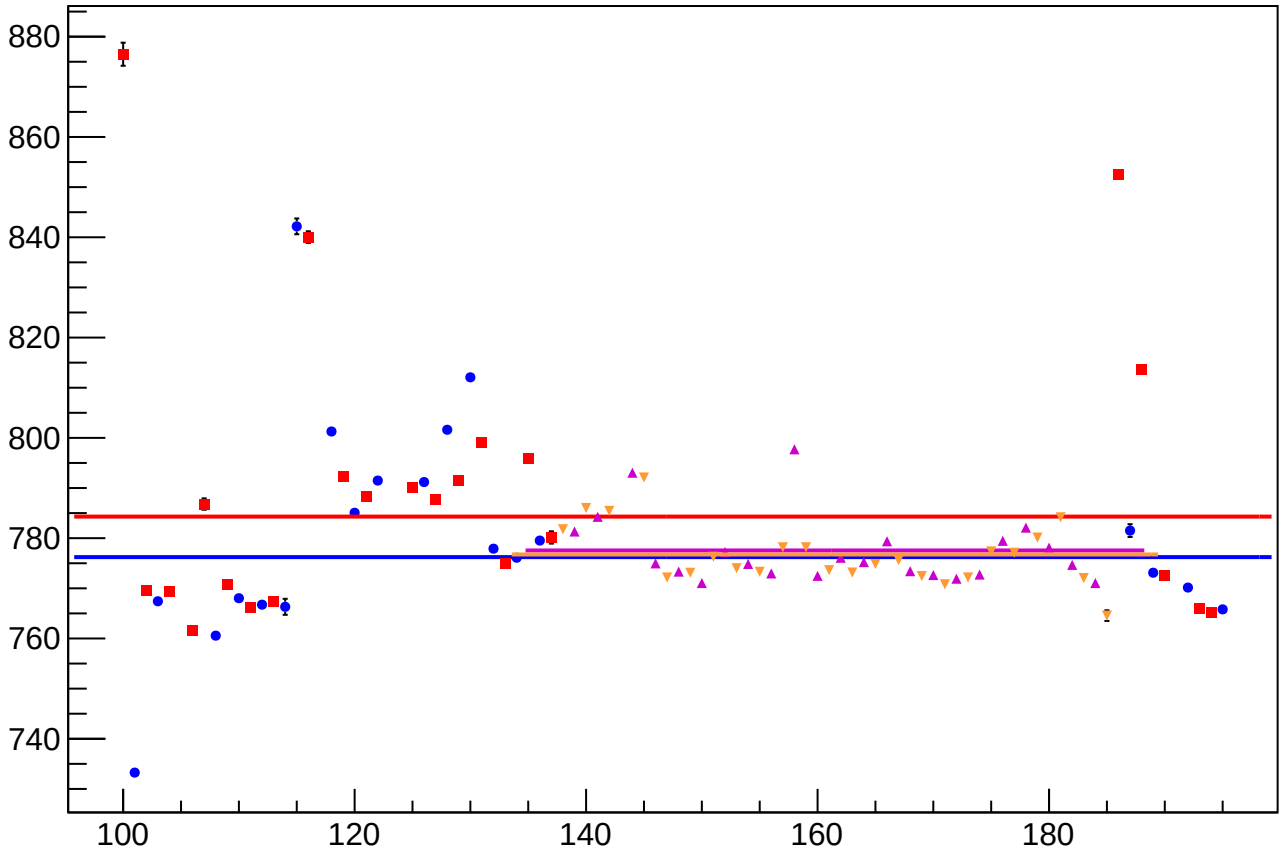
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -149.670+/-172.080 χ^2/NDF: 27.2/42

In: -259.347+/-146.451 χ^2/NDF:34.1/42

Out: -171.237+/-143.956 χ^2/NDF:32.1/46

All: -214.535+/-102.663 χ^2/NDF: 66.4/89



Right In: 776.225+/-0.175 χ^2/NDF: 12394.2/19

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

Right Out: 784.304+/-0.169 χ^2/NDF: 17525.1/22

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

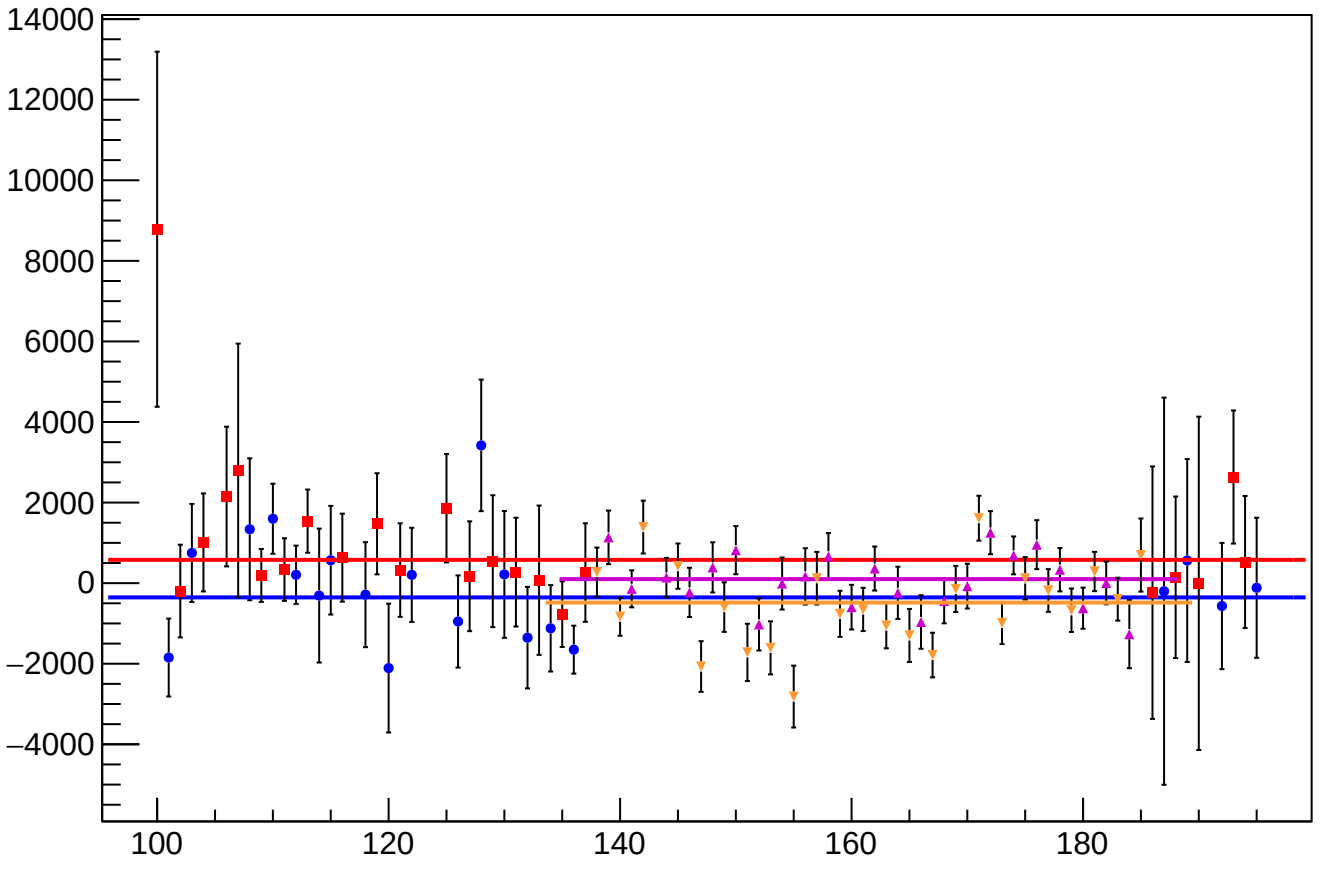
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 780.408+/-0.122 χ^2/NDF: 31019.9/42

In: 777.087+/-0.104 χ^2/NDF:15182.2/42

Out: 779.488+/-0.102 χ^2/NDF:20623.5/46

All: 778.308+/-0.073 χ^2/NDF: 36079.0/89



Right In: -353.603+/-260.585 χ^2/NDF: 23.5/19

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

Right Out: 578.660+/-255.166 χ^2/NDF: 13.5/22

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

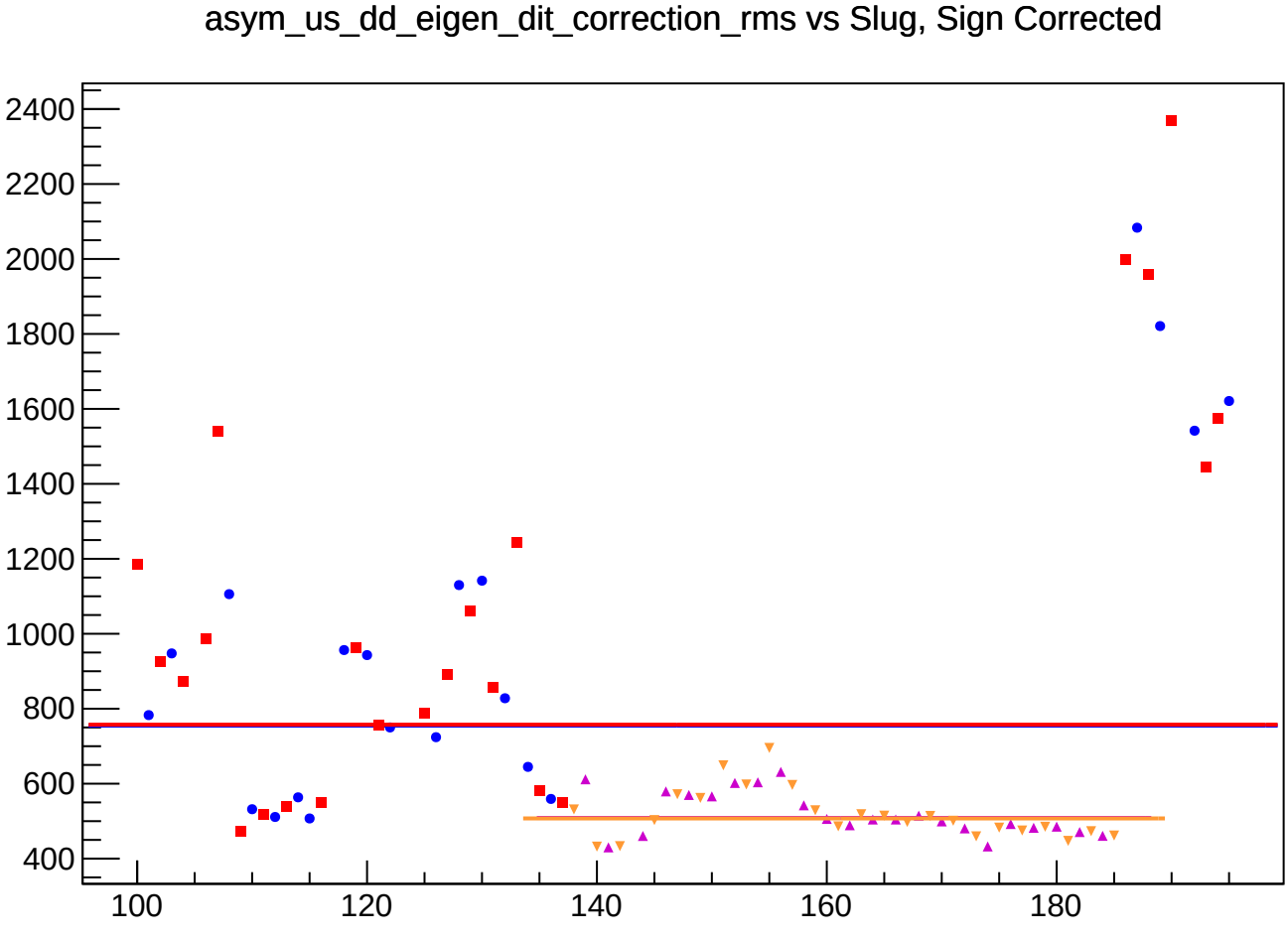
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 122.323+/-182.315 χ^2/NDF: 43.5/42

In: 20.978+/-108.756 χ^2/NDF:53.4/42

Out: -293.759+/-107.703 χ^2/NDF:92.8/46

All: -137.920+/-76.527 χ^2/NDF: 150.4/89



Right In: 754.919+/-0.184 χ^2/NDF: 2642684.6/19

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

Right Out: 757.451+/-0.180 χ^2/NDF: 3653844.7/22

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

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

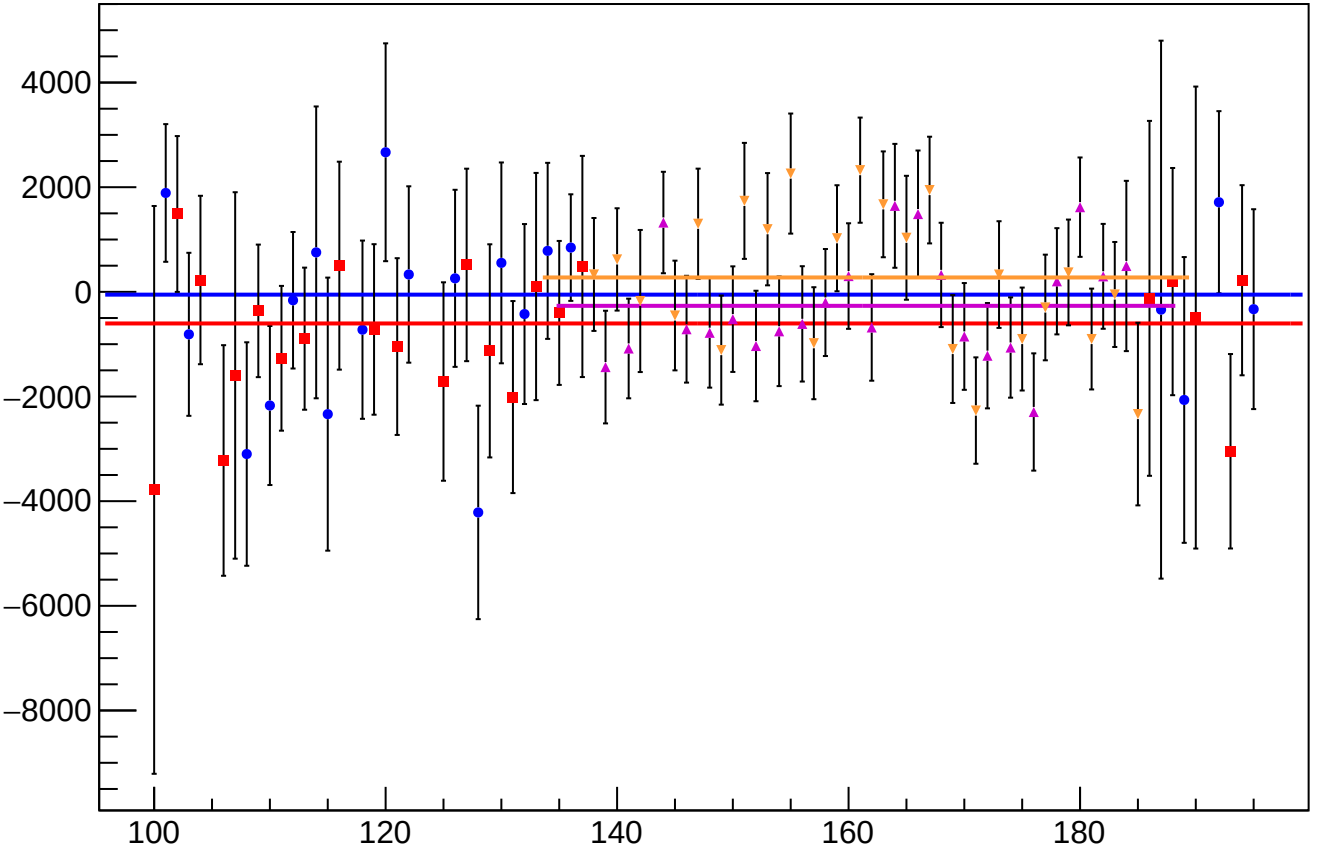
Right: 756.212+/-0.129 χ^2/NDF: 6296625.7/42

In: 551.536+/-0.077 χ^2/NDF:4550432.6/42

Out: 551.883+/-0.076 χ^2/NDF:5707306.5/46

All: 551.711+/-0.054 χ^2/NDF: 10257749.4/89

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -53.269+/-385.575 χ^2/NDF: 16.1/19

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

Right Out: -603.922+/-382.171 χ^2/NDF: 8.6/22

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

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

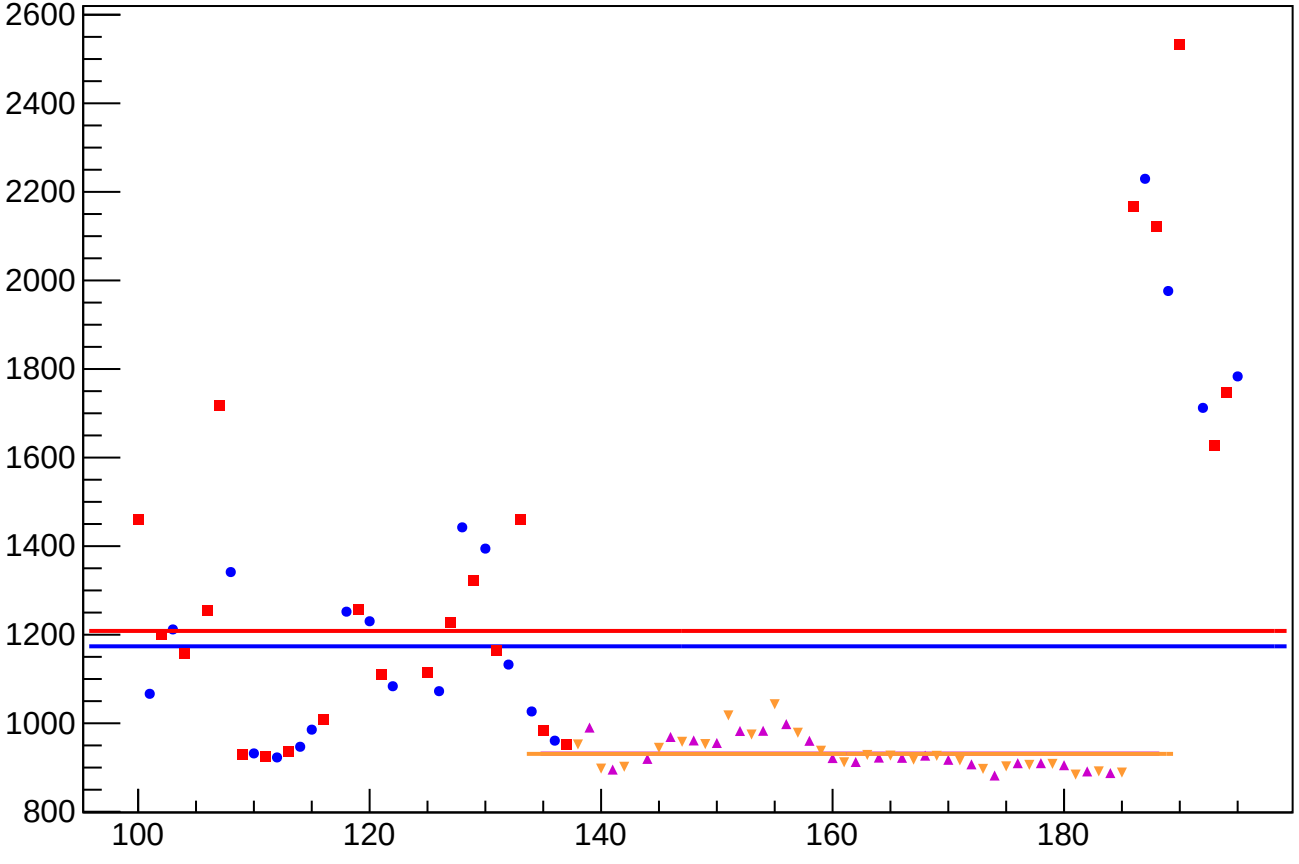
Right: -331.037+/-271.431 χ^2/NDF: 25.8/42

In: -215.386+/-189.561 χ^2/NDF:37.7/42

Out: 61.915+/-188.235 χ^2/NDF:46.3/46

All: -75.762+/-133.568 χ^2/NDF: 85.1/89

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1173.804+/-0.273 χ^2/NDF: 1011018.8/19

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

Right Out: 1208.534+/-0.270 χ^2/NDF: 1433083.0/22

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

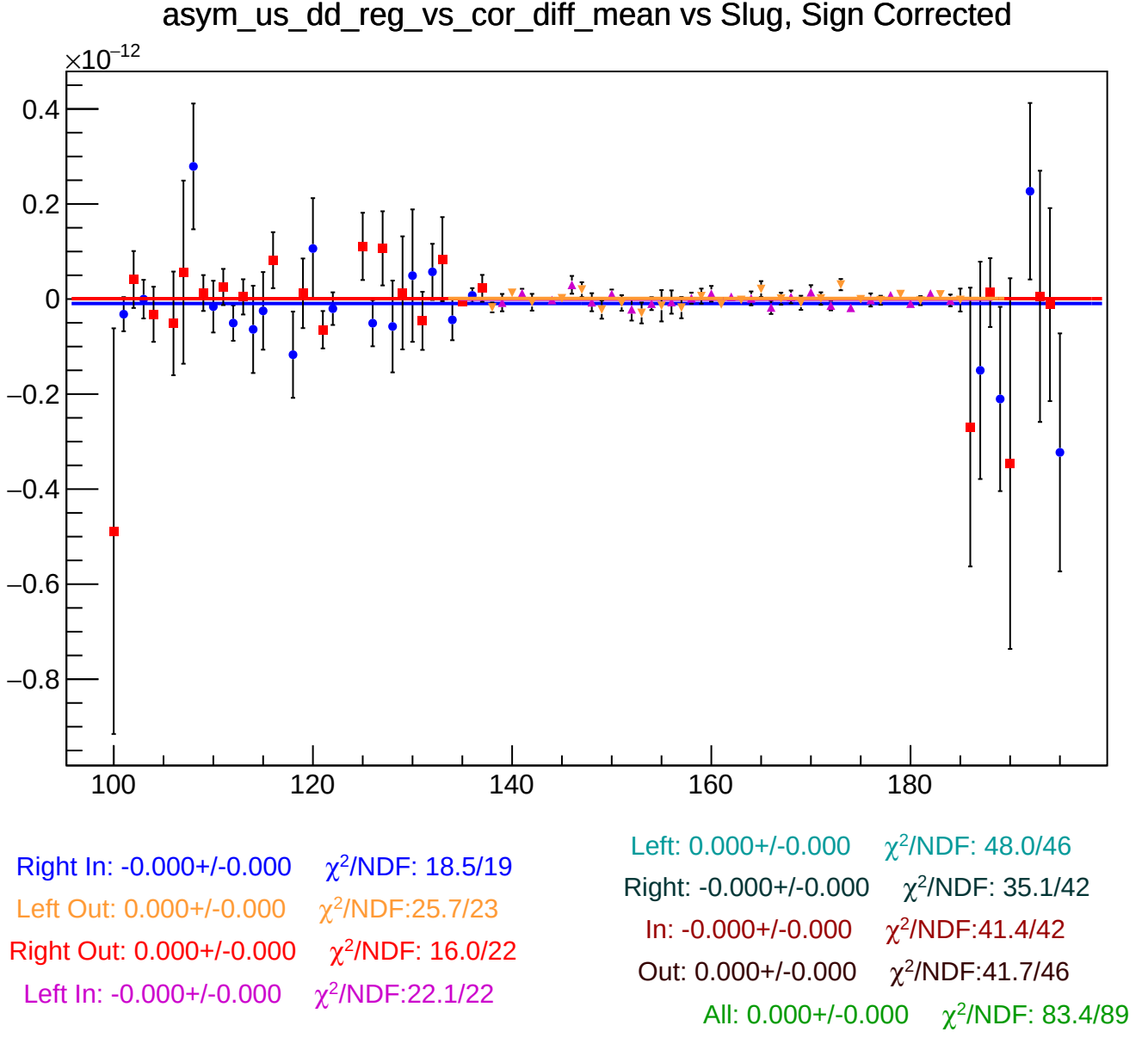
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

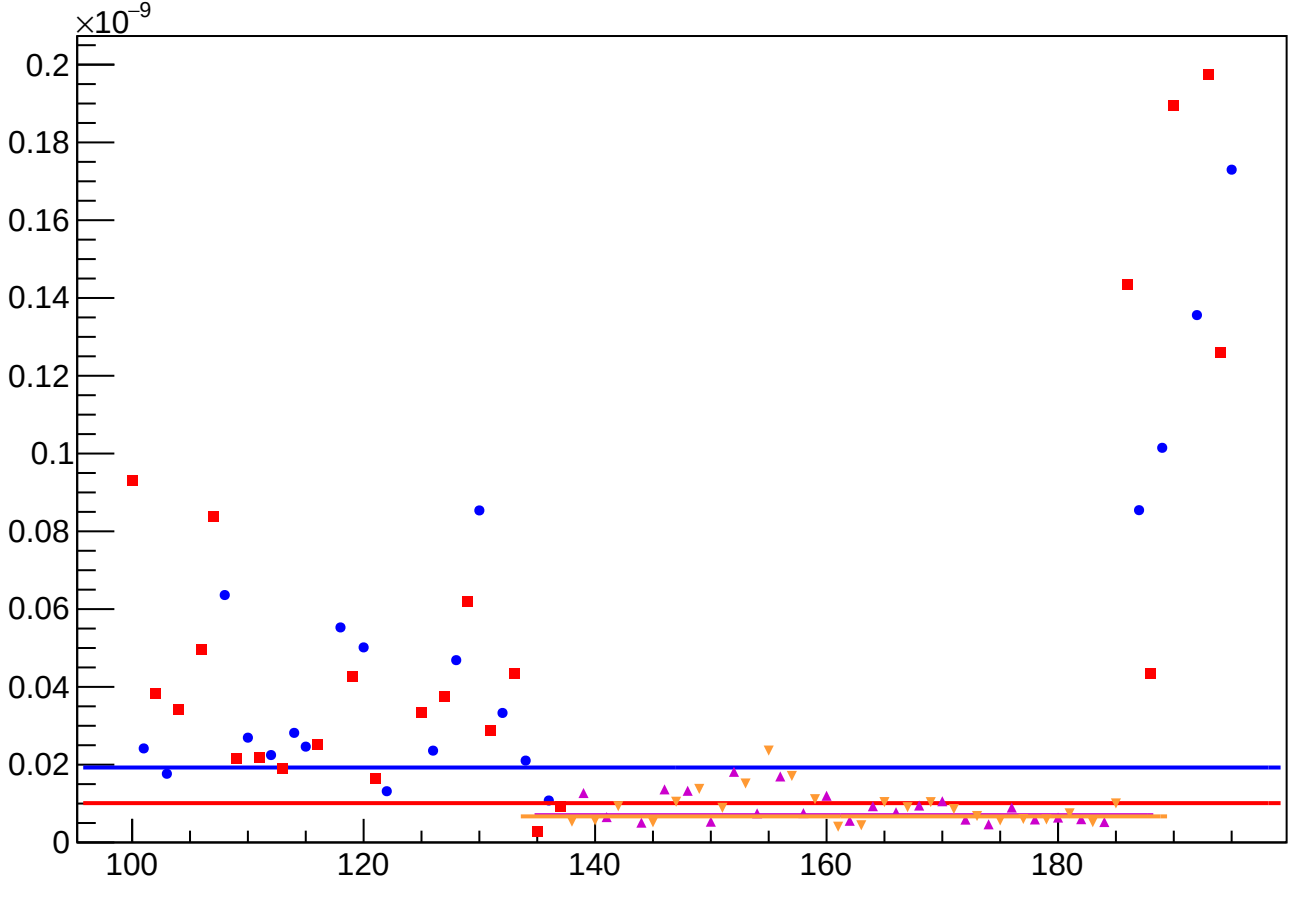
Right: 1191.323+/-0.192 χ^2/NDF: 2452286.9/42

In: 990.112+/-0.134 χ^2/NDF:1658553.2/42

Out: 998.269+/-0.133 χ^2/NDF:2294347.3/46

All: 994.219+/-0.094 χ^2/NDF: 3954765.2/89


asym_us_dd_reg_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
Right In: -0.000+/-0.000 χ²/NDF: 18.5/19
Left Out: 0.000+/-0.000 χ²/NDF:25.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/22
Left In: -0.000+/-0.000 χ²/NDF:22.1/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/46
Right: -0.000+/-0.000 χ²/NDF: 35.1/42
In: -0.000+/-0.000 χ²/NDF:41.4/42
Out: 0.000+/-0.000 χ²/NDF:41.7/46
All: 0.000+/-0.000 χ²/NDF: 83.4/89



Right In: 0.000+/-0.000 χ^2/NDF: 4326479.7/19

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

Right Out: 0.000+/-0.000 χ^2/NDF: 8077748.5/22

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

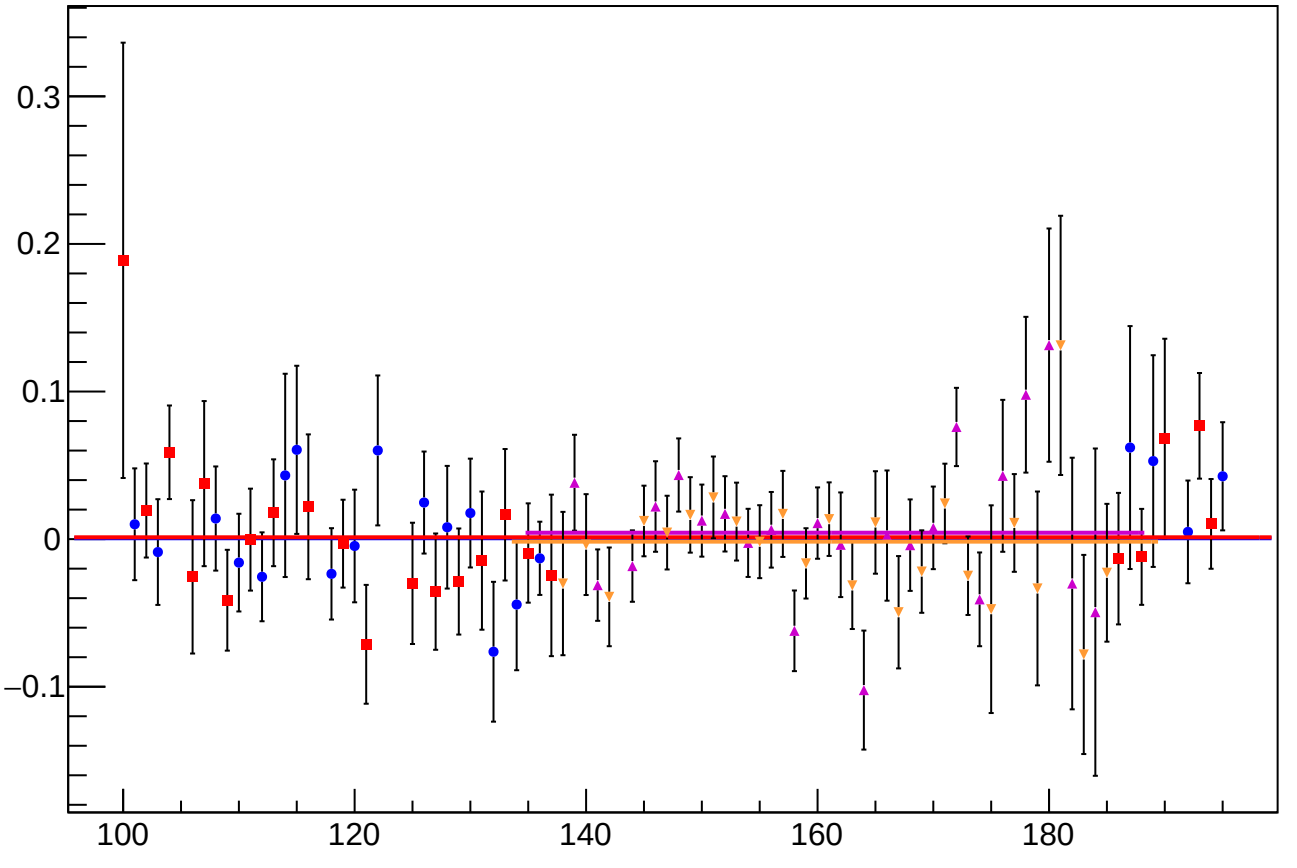
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 13478175.0/42

In: 0.000+/-0.000 χ^2/NDF:9513233.4/42

Out: 0.000+/-0.000 χ^2/NDF:11409607.8/46

All: 0.000+/-0.000 χ^2/NDF: 21004482.1/89



Right In: 0.001+/-0.009 χ^2/NDF: 11.9/19

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

Right Out: 0.001+/-0.008 χ^2/NDF: 19.6/22

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

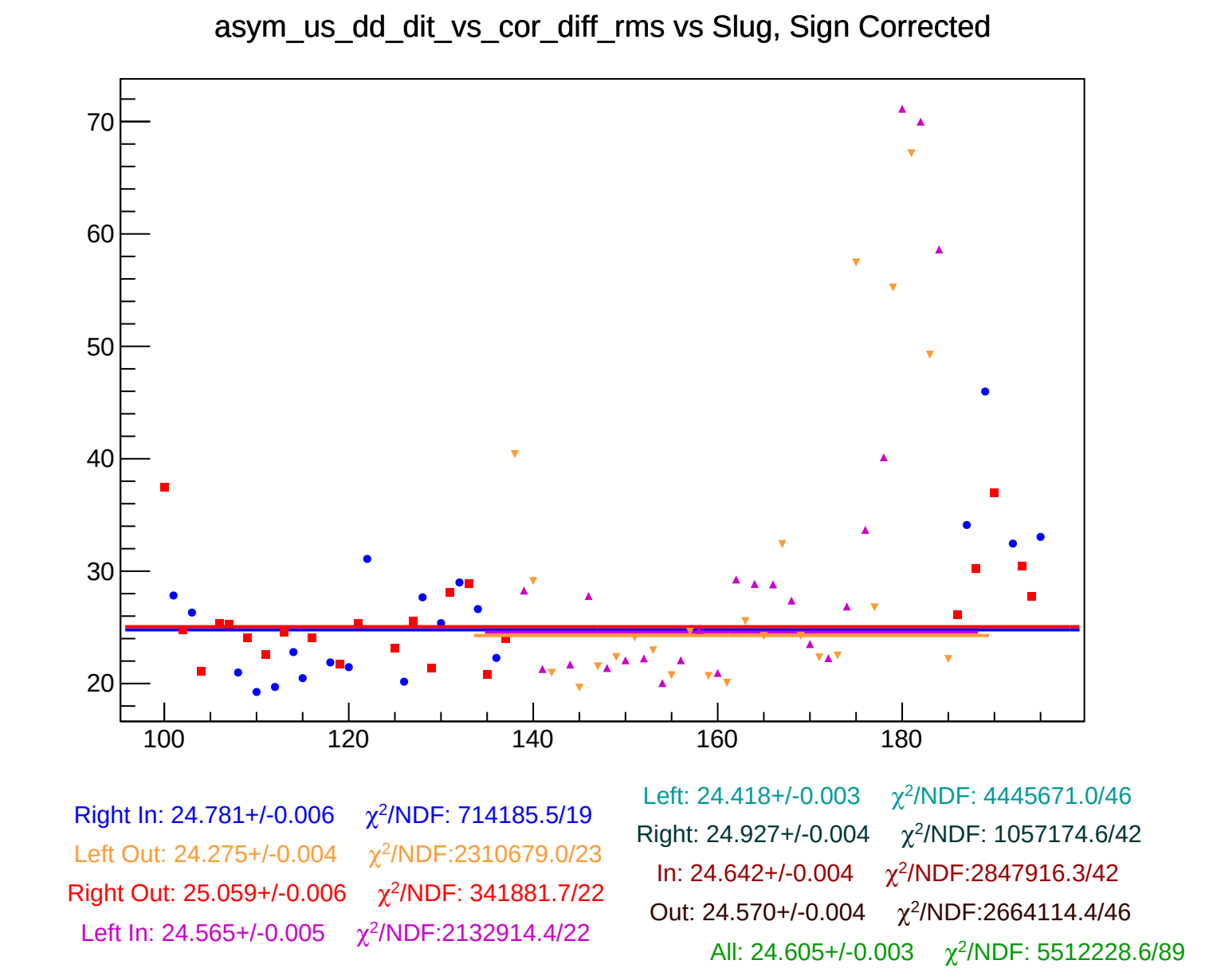
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

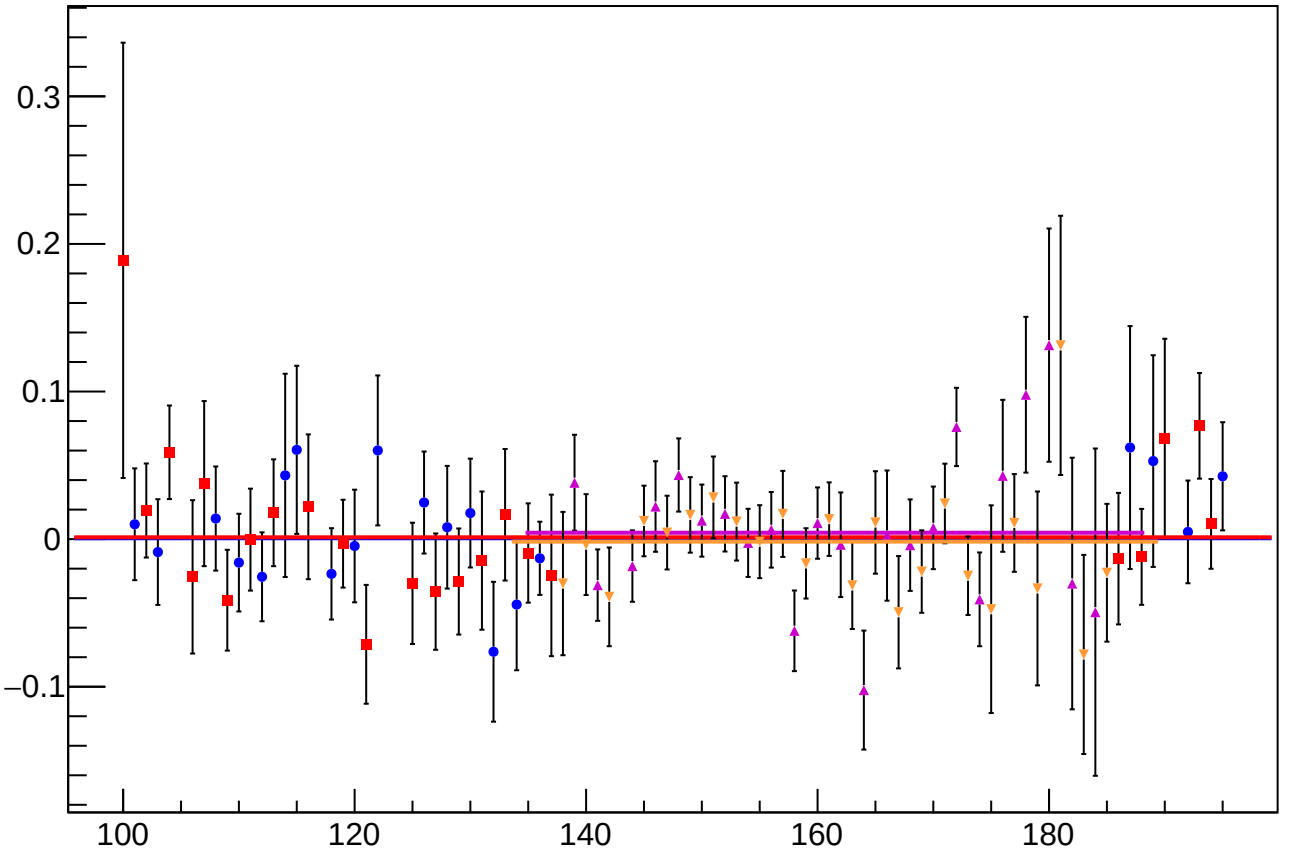
Right: 0.001+/-0.006 χ^2/NDF: 31.5/42

In: 0.003+/-0.005 χ^2/NDF:48.5/42

Out: -0.001+/-0.005 χ^2/NDF:34.3/46

All: 0.001+/-0.004 χ^2/NDF: 83.1/89


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
Right In: 24.781+/-0.006 χ²/NDF: 714185.5/19
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.059+/-0.006 χ²/NDF: 341881.7/22
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 24.927+/-0.004 χ²/NDF: 1057174.6/42
In: 24.642+/-0.004 χ²/NDF:2847916.3/42
Out: 24.570+/-0.004 χ²/NDF:2664114.4/46
All: 24.605+/-0.003 χ²/NDF: 5512228.6/89



Right In: 0.001+/-0.009 χ^2/NDF: 11.9/19

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

Right Out: 0.001+/-0.008 χ^2/NDF: 19.6/22

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

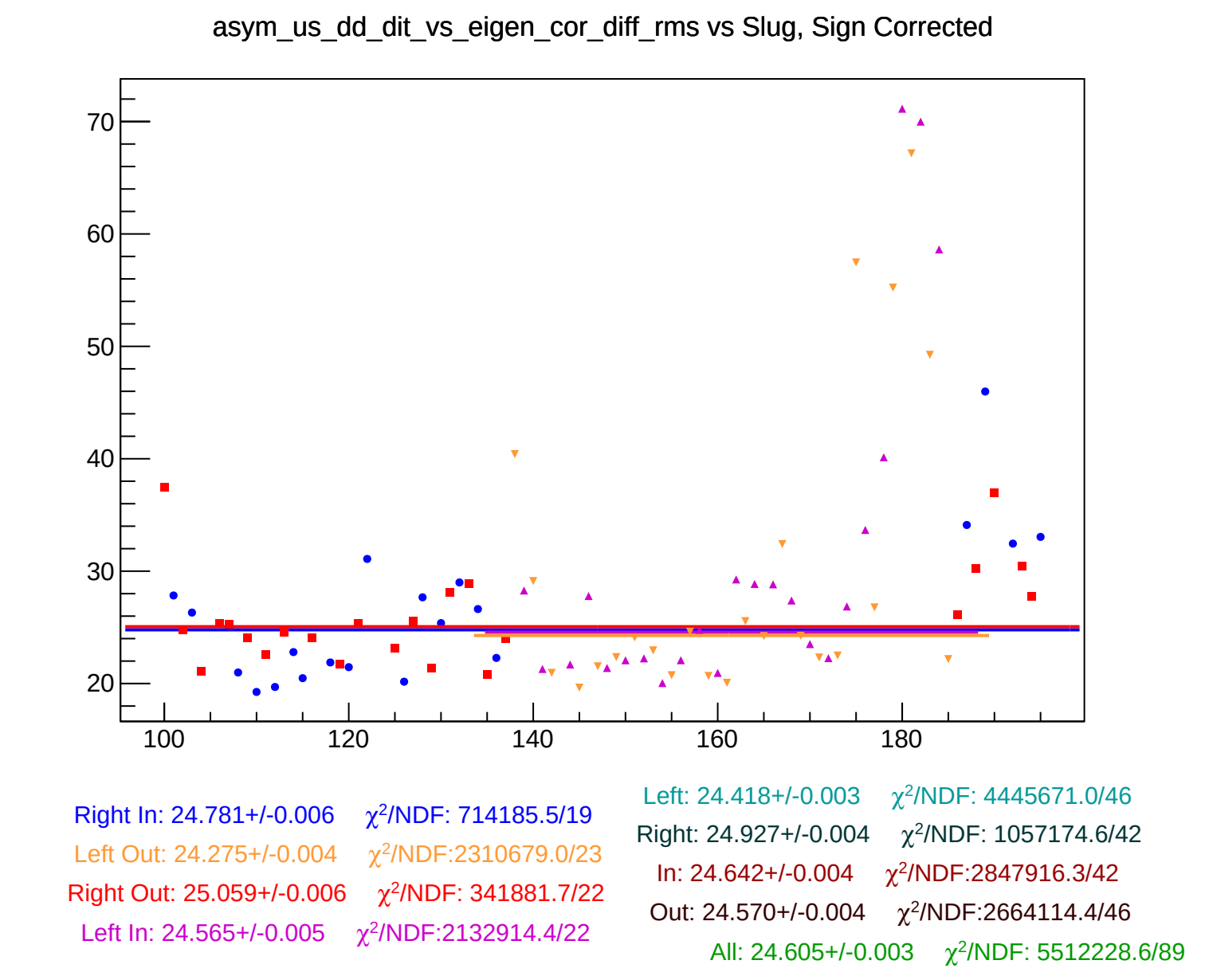
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.001+/-0.006 χ^2/NDF: 31.5/42

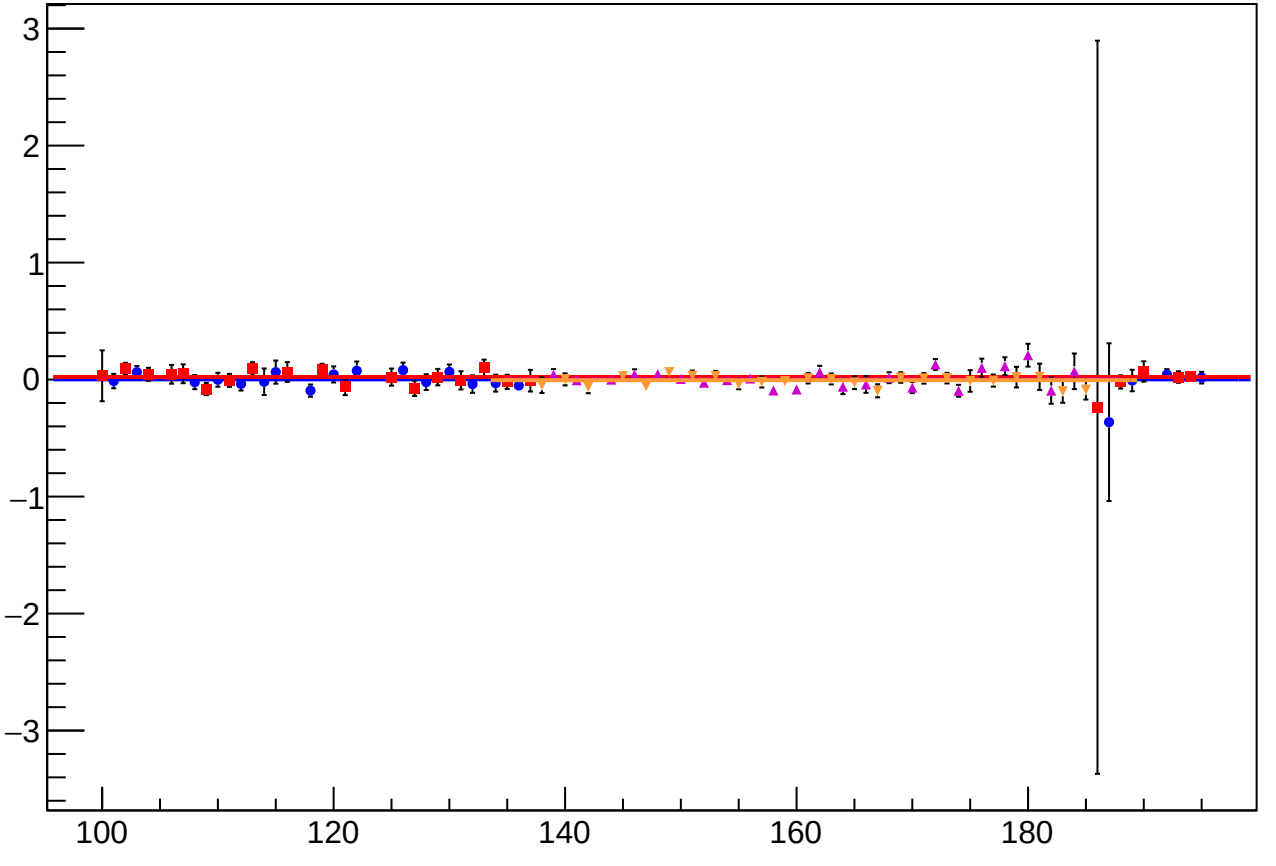
In: 0.003+/-0.005 χ^2/NDF:48.5/42

Out: -0.001+/-0.005 χ^2/NDF:34.3/46

All: 0.001+/-0.004 χ^2/NDF: 83.1/89


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
Right In: 24.781+/-0.006 χ²/NDF: 714185.5/19
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.059+/-0.006 χ²/NDF: 341881.7/22
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 24.927+/-0.004 χ²/NDF: 1057174.6/42
In: 24.642+/-0.004 χ²/NDF:2847916.3/42
Out: 24.570+/-0.004 χ²/NDF:2664114.4/46
All: 24.605+/-0.003 χ²/NDF: 5512228.6/89

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.014 χ^2/NDF: 12.9/19

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

Right Out: 0.022+/-0.013 χ^2/NDF: 16.3/22

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

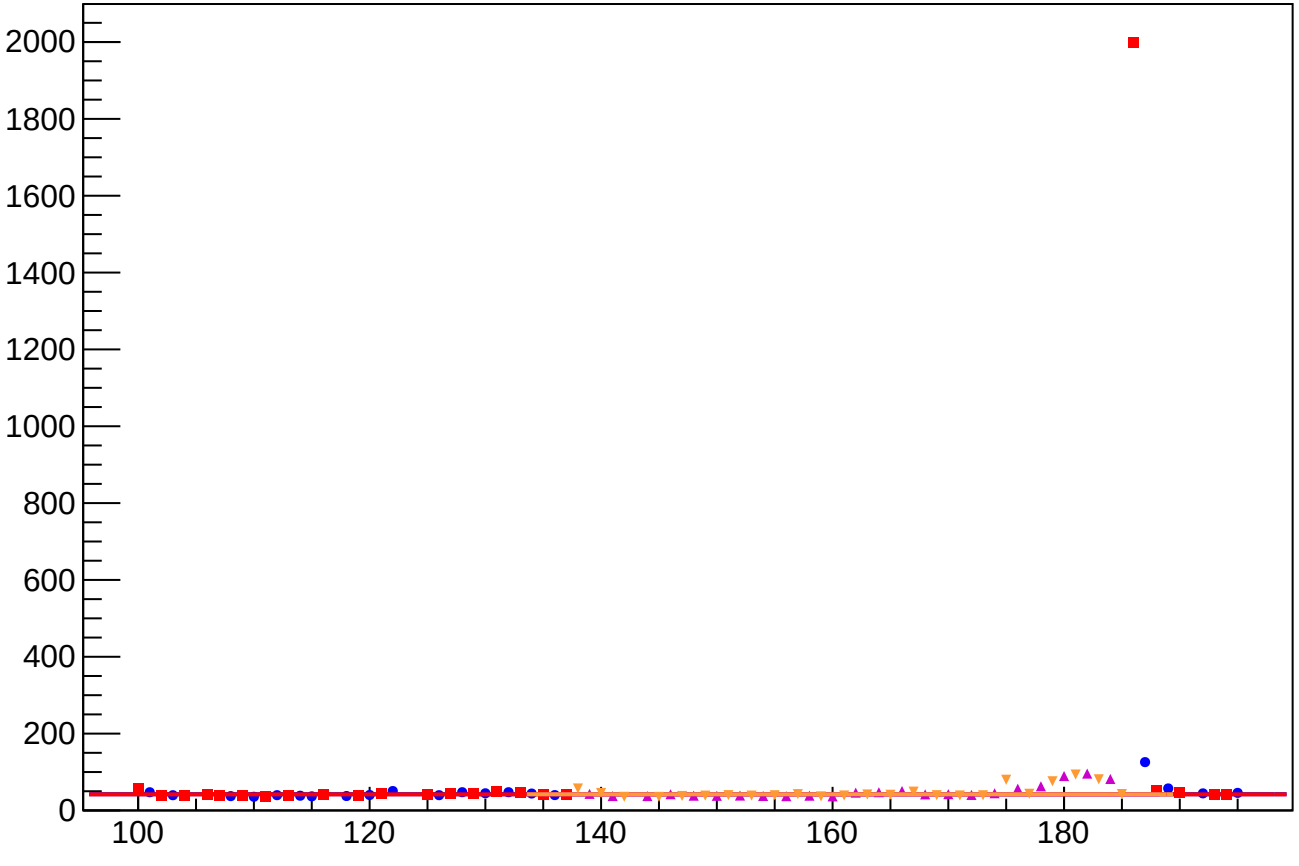
Right: 0.012+/-0.010 χ^2/NDF: 30.3/42

In: 0.001+/-0.008 χ^2/NDF:50.9/42

Out: 0.005+/-0.008 χ^2/NDF:32.7/46

All: 0.003+/-0.006 χ^2/NDF: 83.7/89

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.318+/-0.010 χ^2/NDF: 242475.5/19

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

Right Out: 41.895+/-0.009 χ^2/NDF: 951400.7/22

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

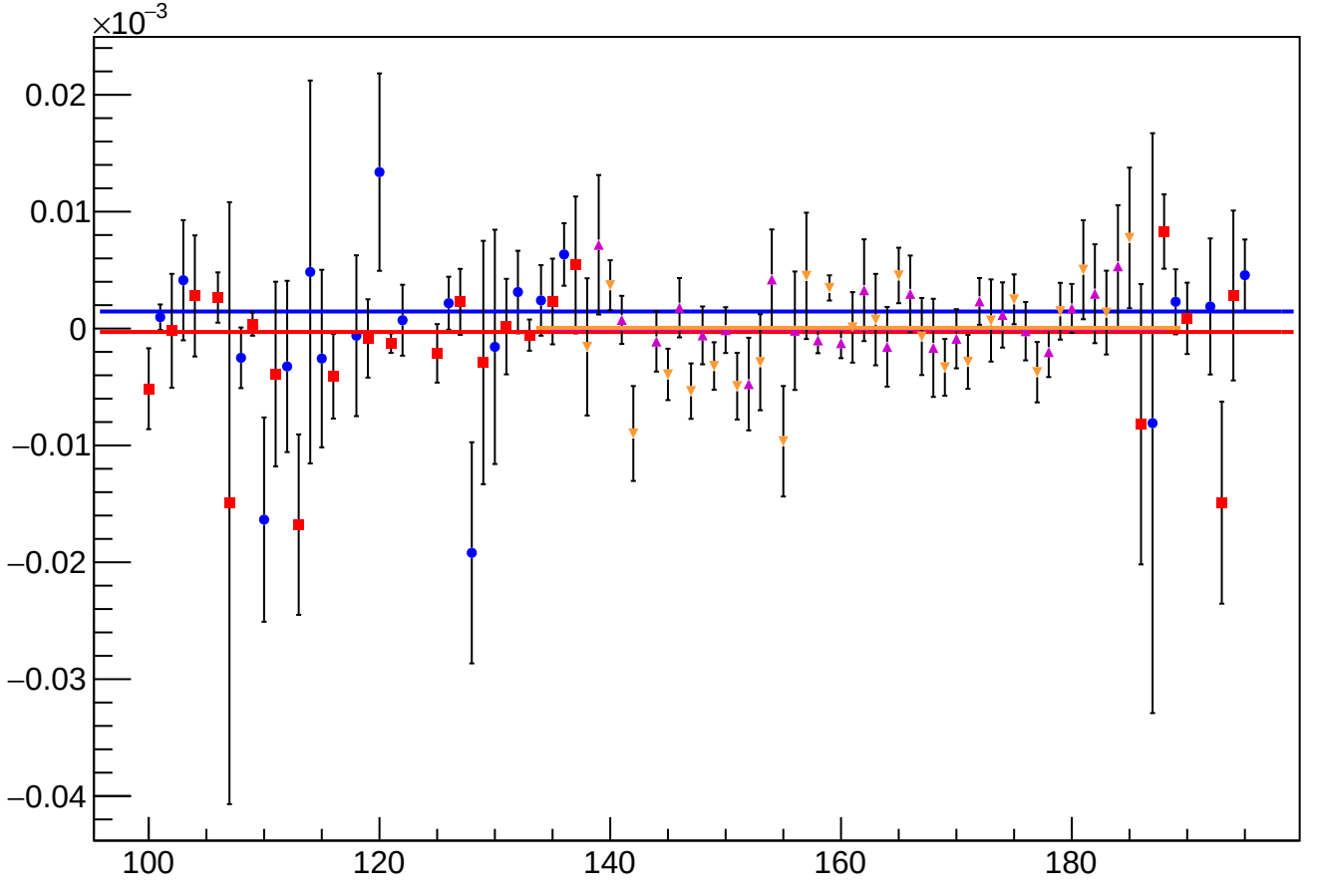
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.096+/-0.007 χ^2/NDF: 1194821.8/42

In: 42.163+/-0.006 χ^2/NDF:1786358.6/42

Out: 42.016+/-0.006 χ^2/NDF:2667706.4/46

All: 42.088+/-0.004 χ^2/NDF: 4454378.0/89



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/19

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

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/22

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

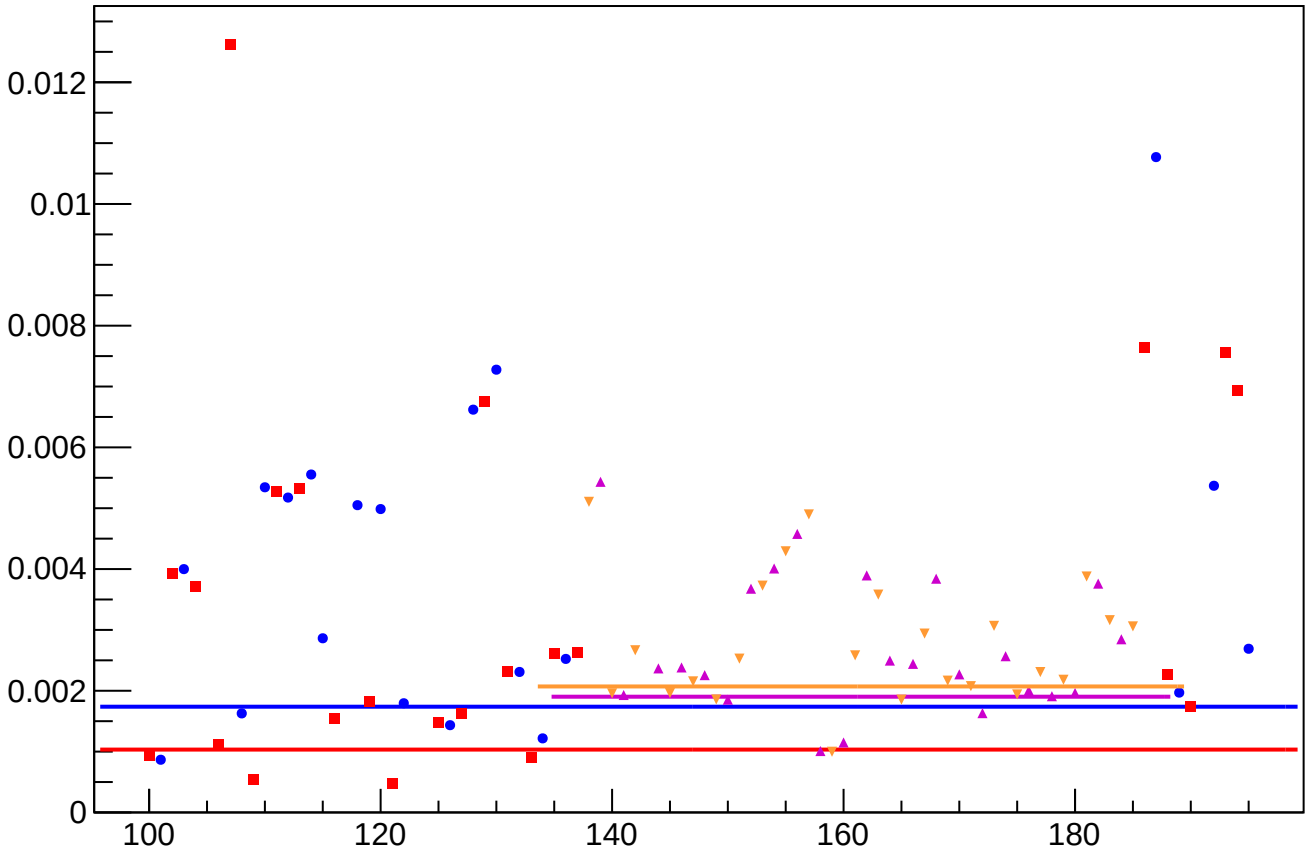
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 50.0/42

In: 0.000+/-0.000 χ^2/NDF:35.8/42

Out: -0.000+/-0.000 χ^2/NDF:78.0/46

All: 0.000+/-0.000 χ^2/NDF: 115.0/89



Right In: 0.002+/-0.000 χ^2/NDF: 6086387.3/19

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

Right Out: 0.001+/-0.000 χ^2/NDF: 9354495.5/22

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

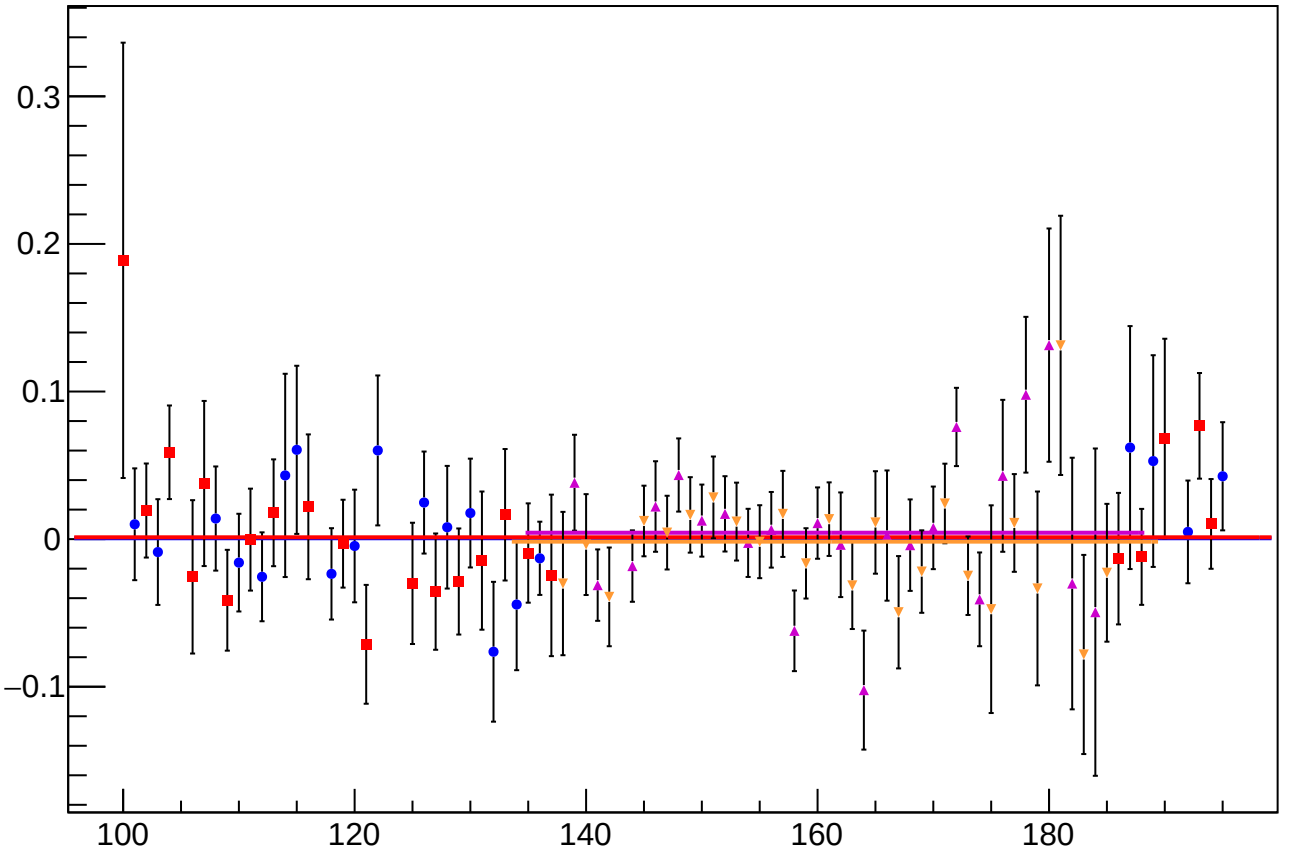
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 16816435.4/42

In: 0.002+/-0.000 χ^2/NDF:12096010.9/42

Out: 0.002+/-0.000 χ^2/NDF:18857550.7/46

All: 0.002+/-0.000 χ^2/NDF: 31746815.0/89



Right In: 0.001+/-0.009 χ^2/NDF: 11.9/19

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

Right Out: 0.001+/-0.008 χ^2/NDF: 19.6/22

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

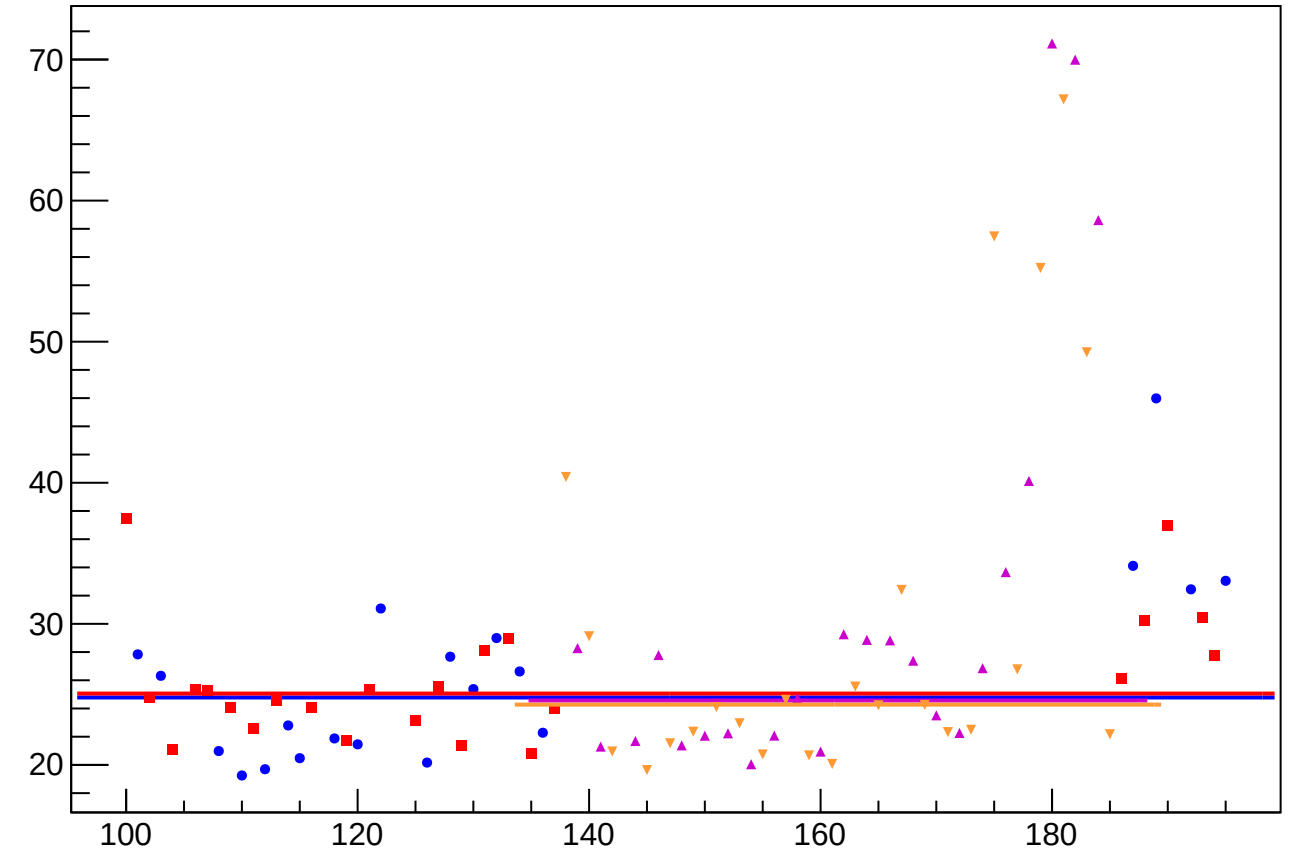
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.001+/-0.006 χ^2/NDF: 31.5/42

In: 0.003+/-0.005 χ^2/NDF:48.5/42

Out: -0.001+/-0.005 χ^2/NDF:34.3/46

All: 0.001+/-0.004 χ^2/NDF: 83.1/89



Right In: 24.780+/-0.006 χ^2/NDF: 714217.2/19

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

Right Out: 25.059+/-0.006 χ^2/NDF: 341780.3/22

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

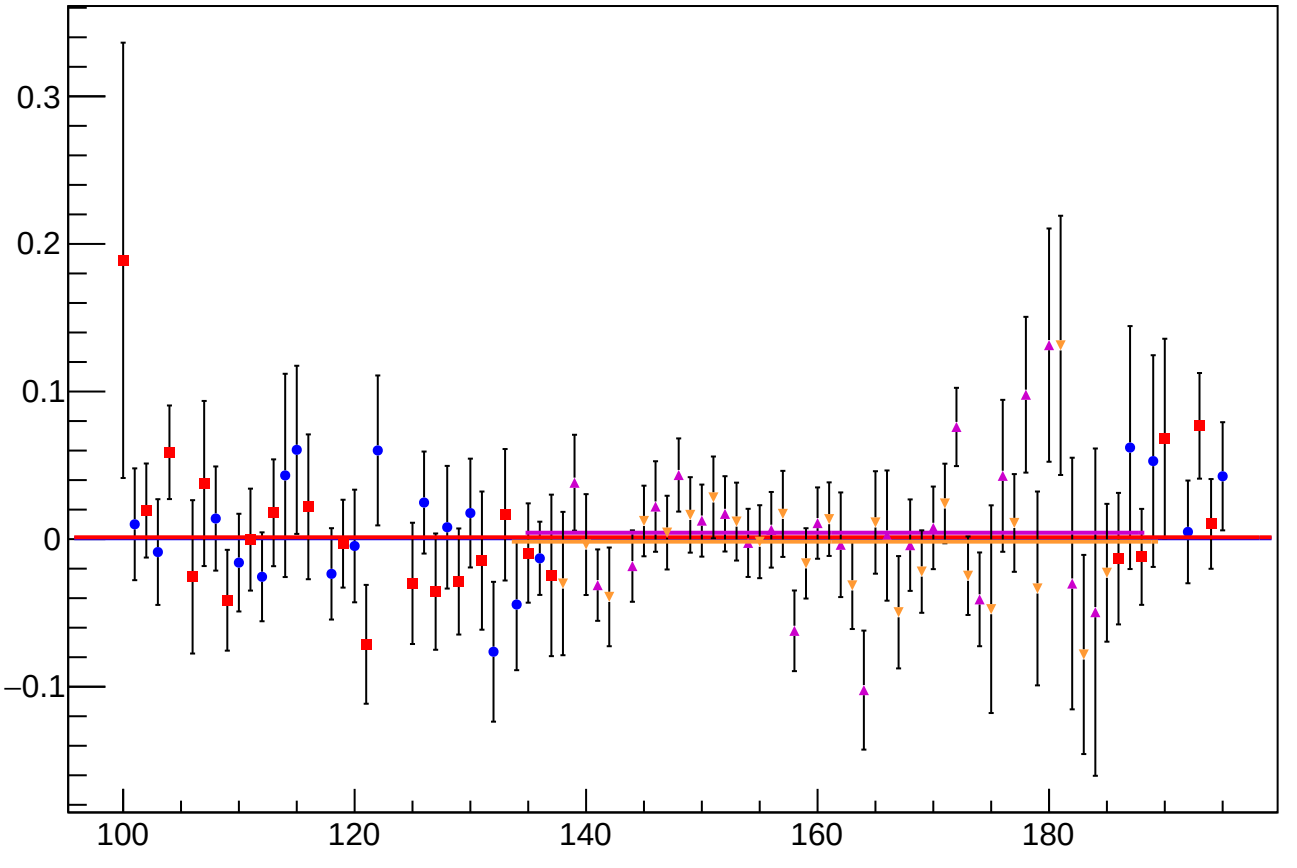
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 24.927+/-0.004 χ^2/NDF: 1057110.7/42

In: 24.642+/-0.004 χ^2/NDF:2847805.4/42

Out: 24.571+/-0.004 χ^2/NDF:2664019.2/46

All: 24.605+/-0.003 χ^2/NDF: 5512022.0/89



Right In: 0.001+/-0.009 χ^2/NDF: 11.9/19

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

Right Out: 0.001+/-0.008 χ^2/NDF: 19.6/22

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

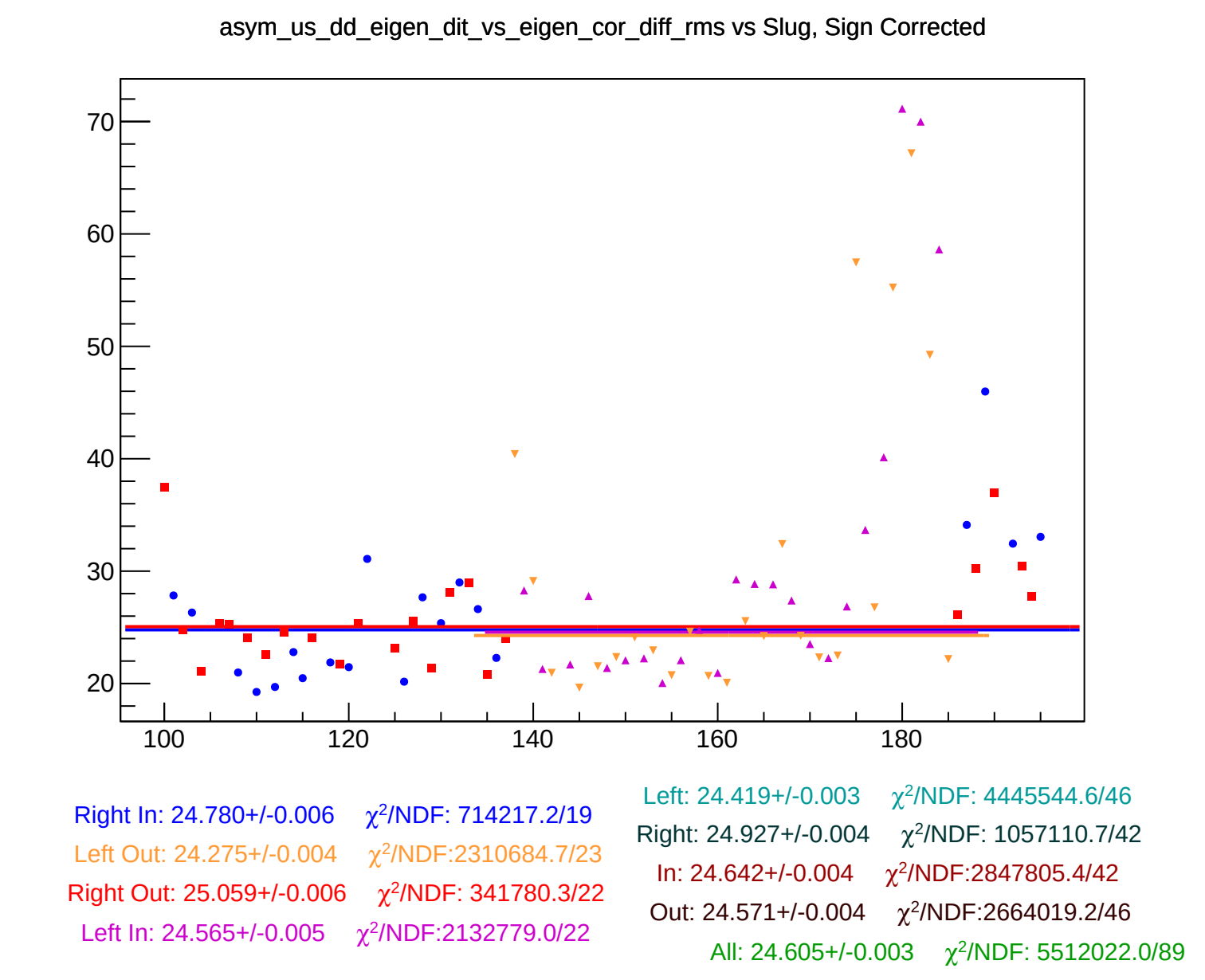
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.001+/-0.006 χ^2/NDF: 31.5/42

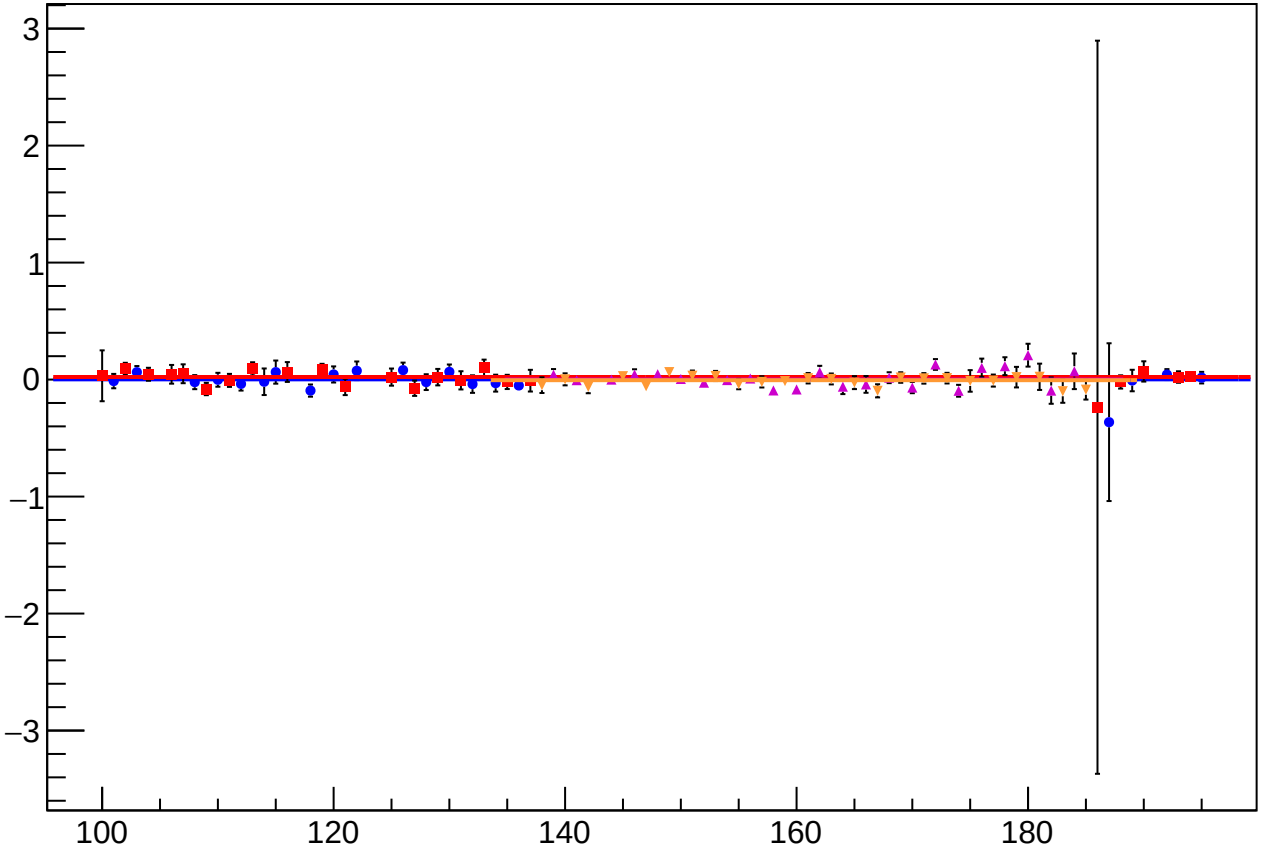
In: 0.003+/-0.005 χ^2/NDF:48.5/42

Out: -0.001+/-0.005 χ^2/NDF:34.3/46

All: 0.001+/-0.004 χ^2/NDF: 83.1/89


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
Right In: 24.780+/-0.006 χ²/NDF: 714217.2/19
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 25.059+/-0.006 χ²/NDF: 341780.3/22
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
Left: 24.419+/-0.003 χ²/NDF: 4445544.6/46
Right: 24.927+/-0.004 χ²/NDF: 1057110.7/42
In: 24.642+/-0.004 χ²/NDF:2847805.4/42
Out: 24.571+/-0.004 χ²/NDF:2664019.2/46
All: 24.605+/-0.003 χ²/NDF: 5512022.0/89

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.014 χ^2/NDF: 12.9/19

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

Right Out: 0.022+/-0.013 χ^2/NDF: 16.3/22

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

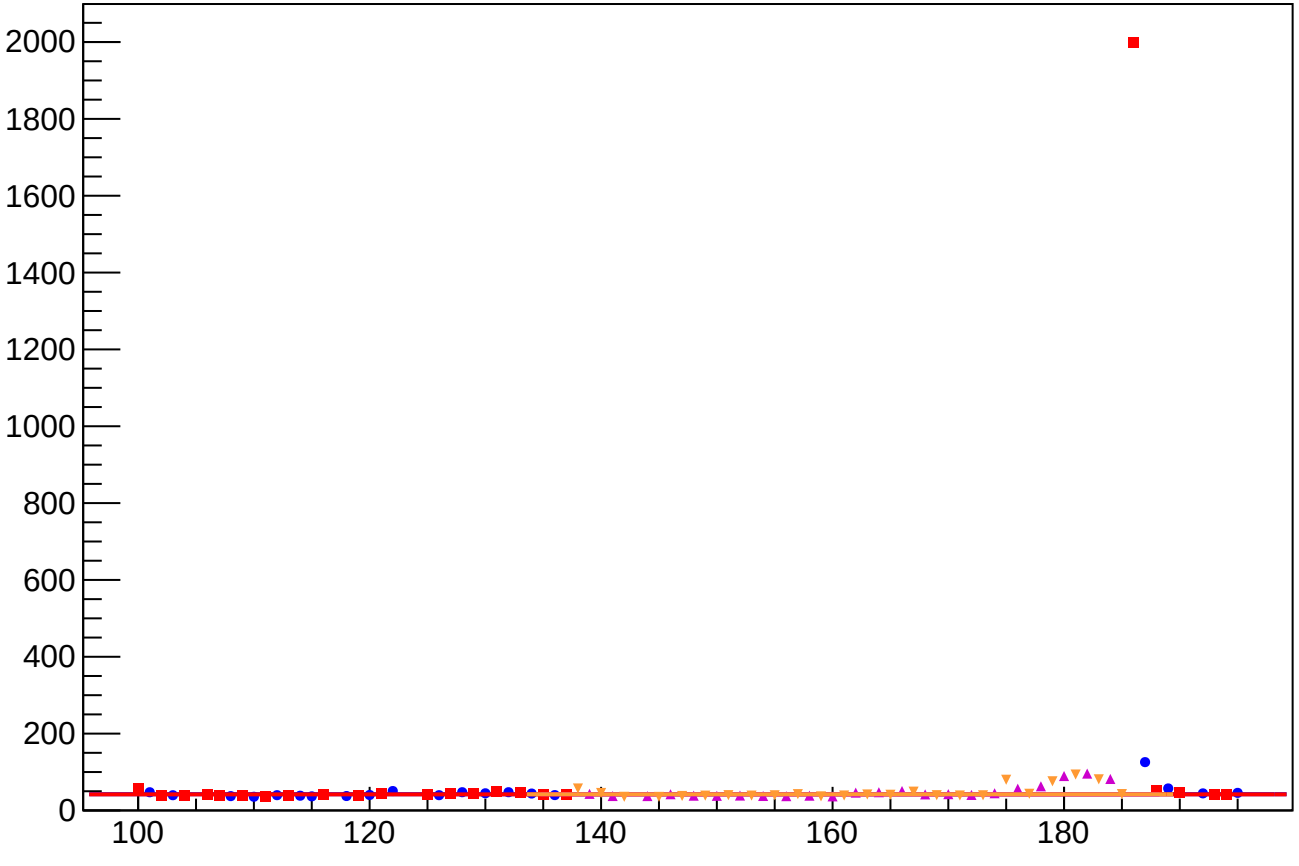
Right: 0.012+/-0.010 χ^2/NDF: 30.3/42

In: 0.001+/-0.008 χ^2/NDF:50.9/42

Out: 0.005+/-0.008 χ^2/NDF:32.7/46

All: 0.003+/-0.006 χ^2/NDF: 83.7/89

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.318+/-0.010 χ^2/NDF: 242455.0/19

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

Right Out: 41.895+/-0.009 χ^2/NDF: 951389.7/22

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

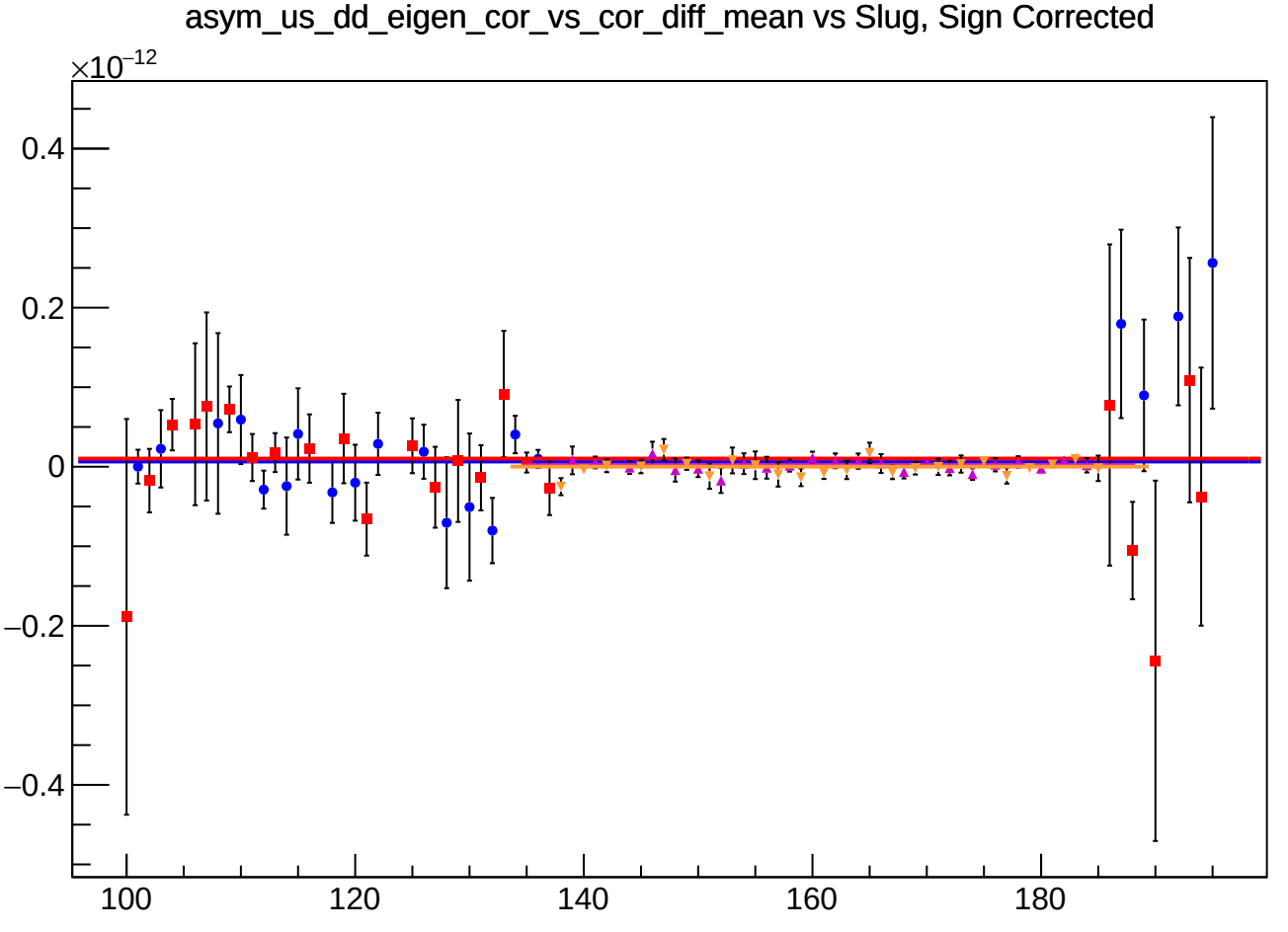
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.096+/-0.007 χ^2/NDF: 1194789.7/42

In: 42.163+/-0.006 χ^2/NDF:1786312.2/42

Out: 42.016+/-0.006 χ^2/NDF:2667686.6/46

All: 42.088+/-0.004 χ^2/NDF: 4454311.9/89



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/19

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

Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/22

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

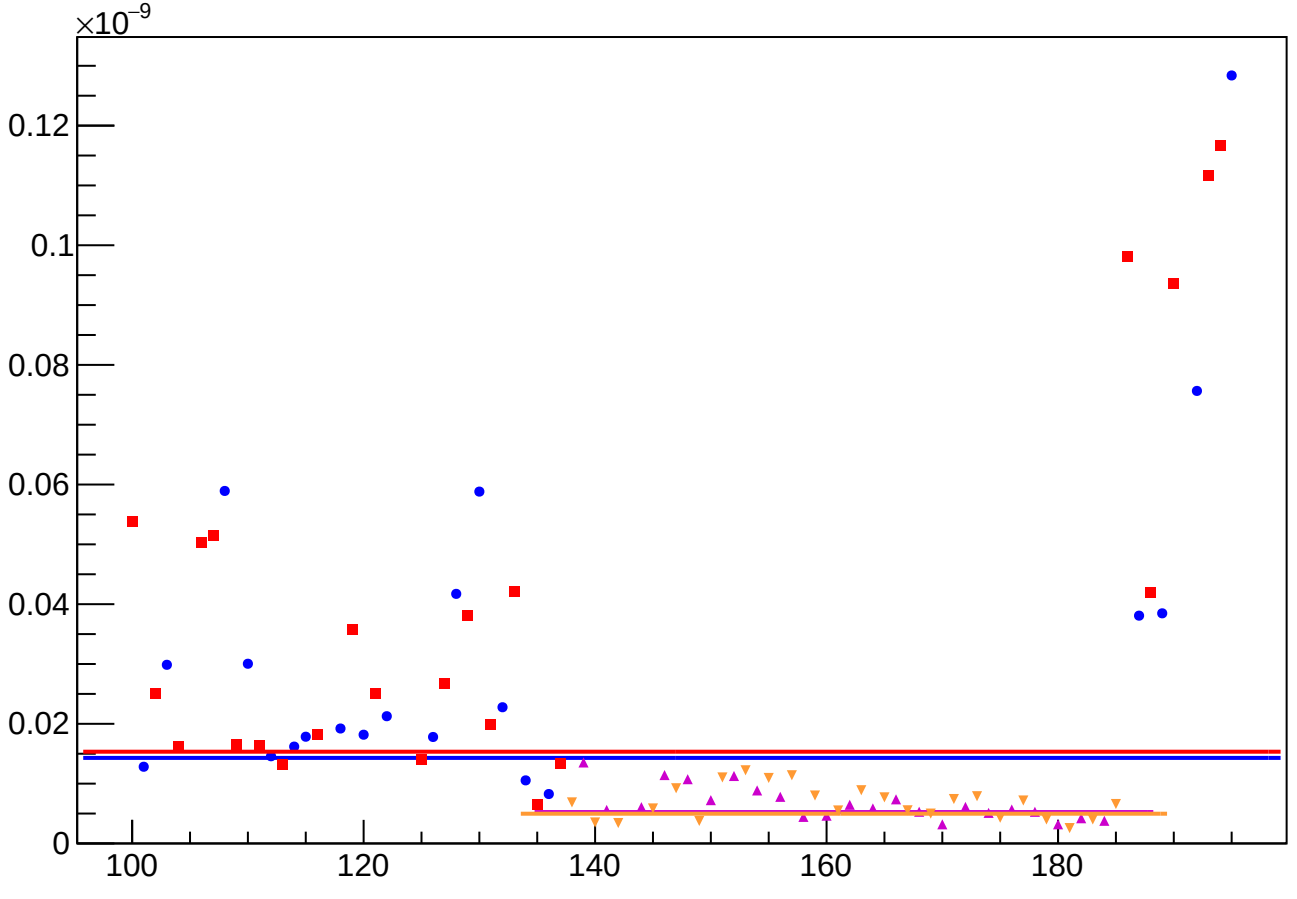
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 41.3/42

In: 0.000+/-0.000 χ^2/NDF:33.3/42

Out: 0.000+/-0.000 χ^2/NDF:42.8/46

All: 0.000+/-0.000 χ^2/NDF: 76.6/89



Right In: 0.000+/-0.000 χ^2/NDF: 3792197.8/19

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5032573.9/22

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

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

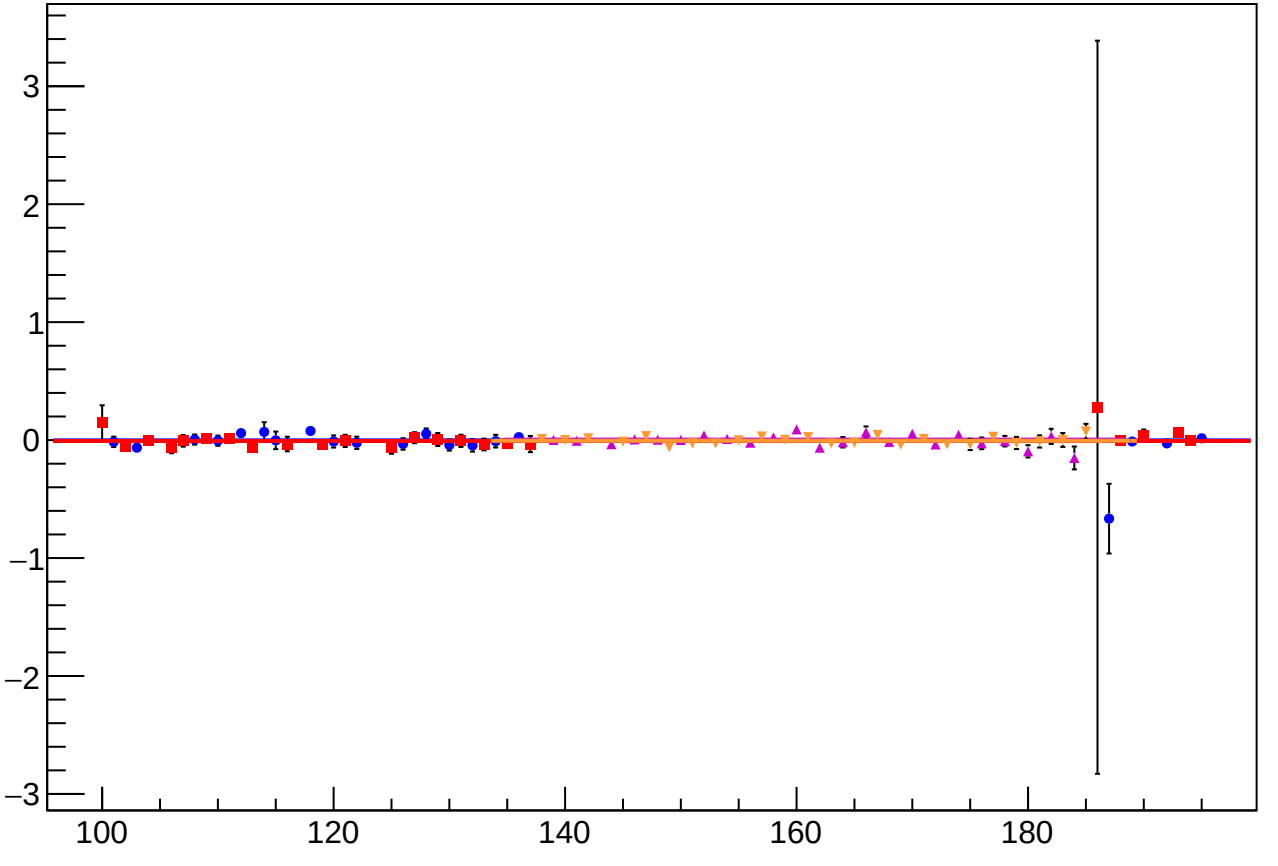
Right: 0.000+/-0.000 χ^2/NDF: 8843831.9/42

In: 0.000+/-0.000 χ^2/NDF:9305887.4/42

Out: 0.000+/-0.000 χ^2/NDF:12032671.3/46

All: 0.000+/-0.000 χ^2/NDF: 21370016.1/89

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 21.9/19

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

Right Out: -0.008+/-0.009 χ^2/NDF: 18.7/22

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

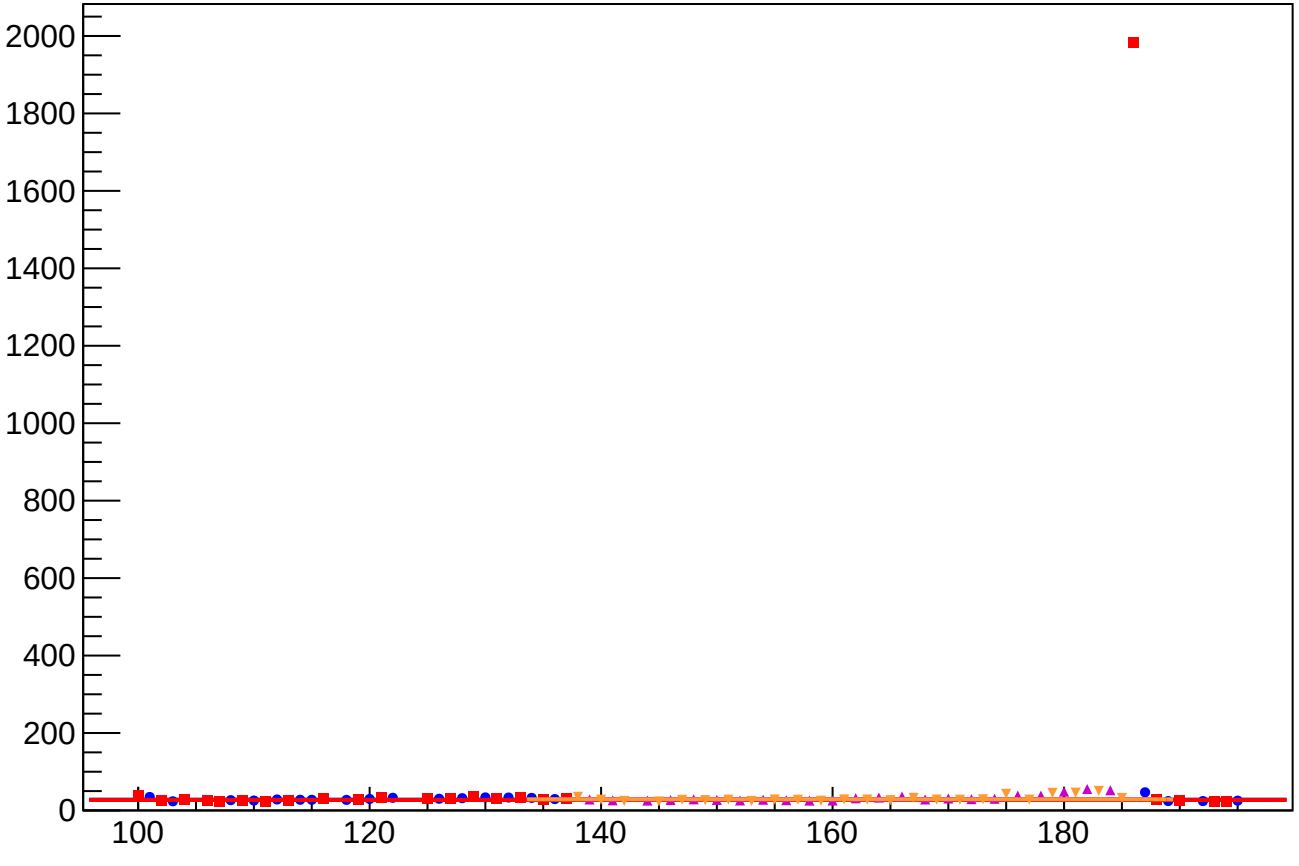
Right: -0.005+/-0.006 χ^2/NDF: 40.7/42

In: 0.002+/-0.006 χ^2/NDF:53.4/42

Out: -0.006+/-0.006 χ^2/NDF:35.5/46

All: -0.002+/-0.004 χ^2/NDF: 89.9/89

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.809+/-0.007 χ^2/NDF: 284366.6/19

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

Right Out: 27.146+/-0.006 χ^2/NDF: 1051122.9/22

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

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

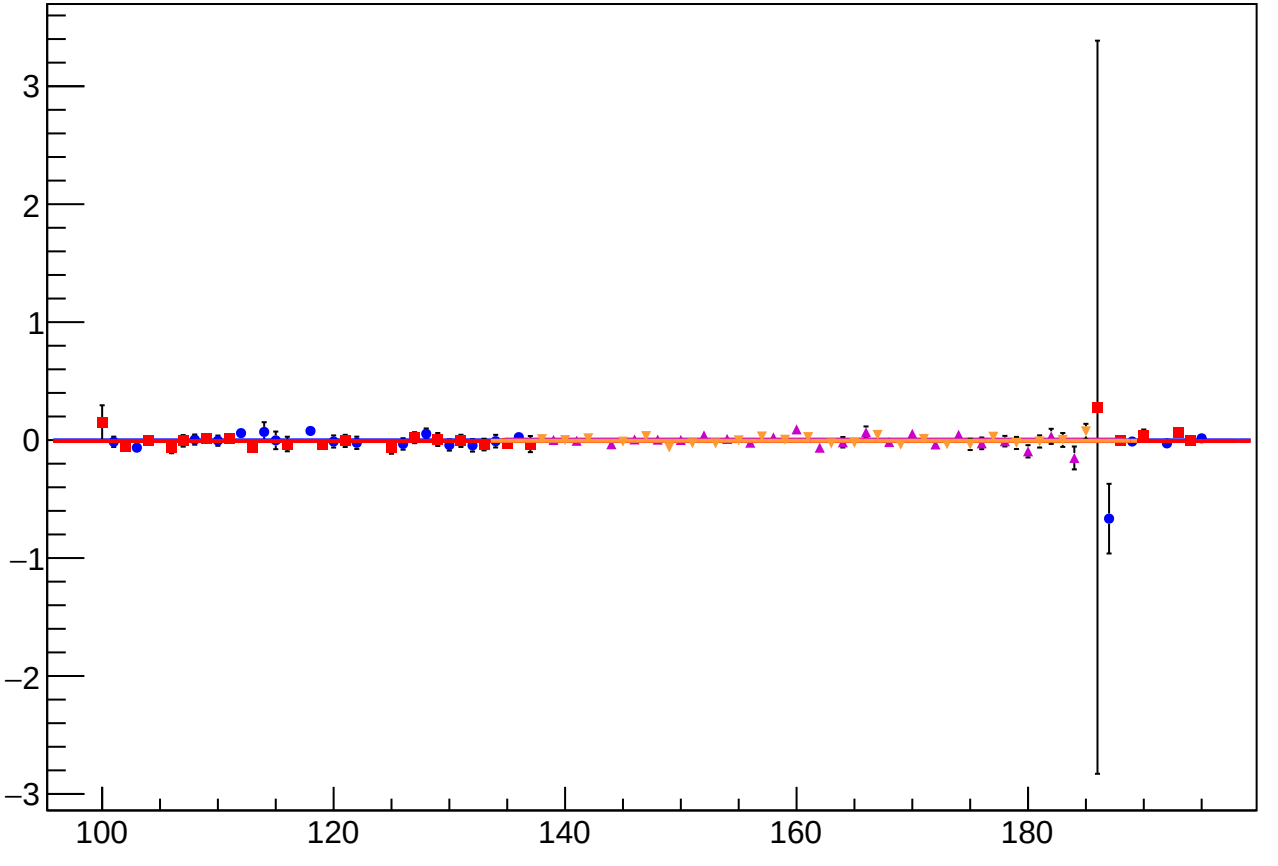
Right: 27.460+/-0.005 χ^2/NDF: 1340762.7/42

In: 28.720+/-0.004 χ^2/NDF:1454715.0/42

Out: 28.149+/-0.004 χ^2/NDF:2263246.9/46

All: 28.426+/-0.003 χ^2/NDF: 3728307.9/89

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 21.9/19

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

Right Out: -0.008+/-0.009 χ^2/NDF: 18.7/22

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

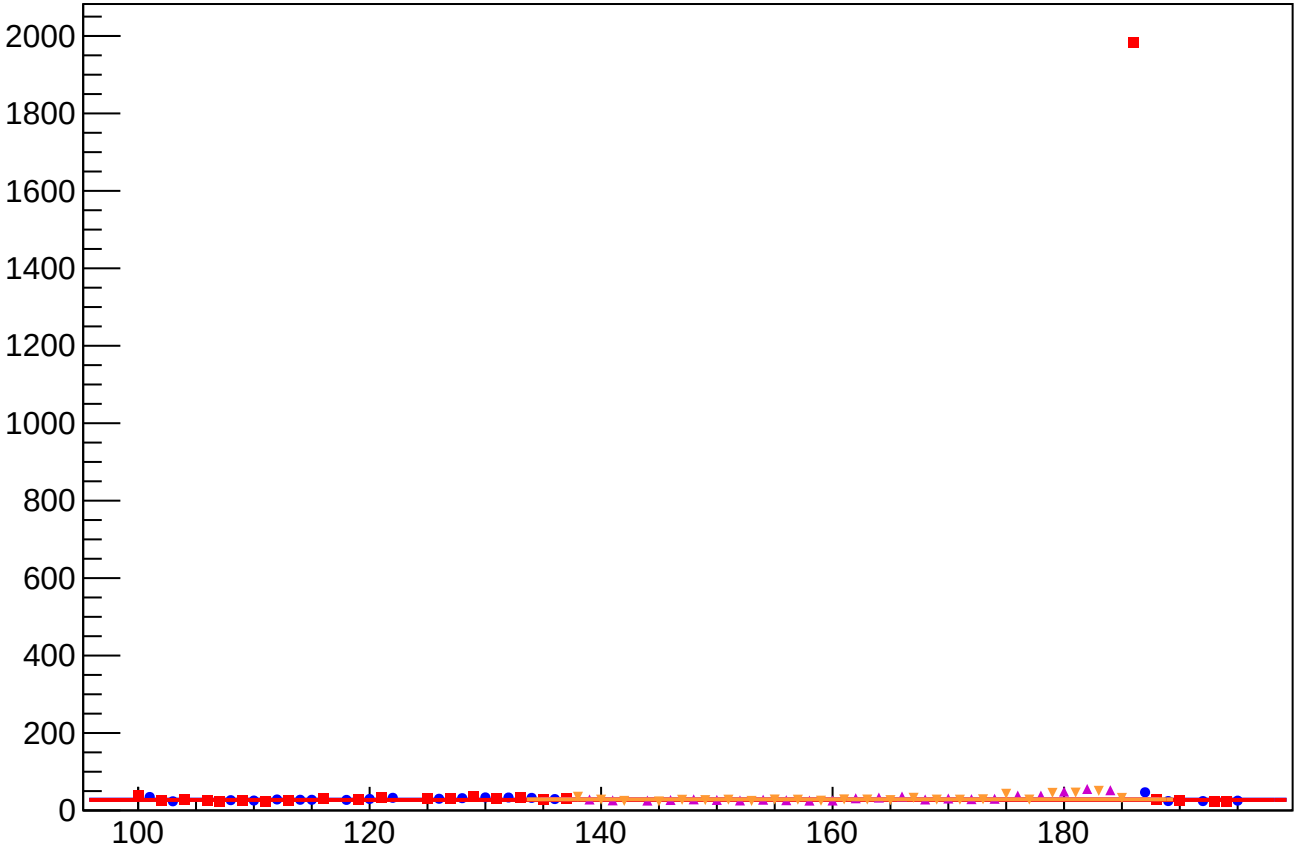
Right: -0.005+/-0.006 χ^2/NDF: 40.7/42

In: 0.002+/-0.006 χ^2/NDF:53.4/42

Out: -0.006+/-0.006 χ^2/NDF:35.5/46

All: -0.002+/-0.004 χ^2/NDF: 89.9/89

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.809+/-0.007 χ^2/NDF: 284366.6/19

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

Right Out: 27.146+/-0.006 χ^2/NDF: 1051122.9/22

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

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

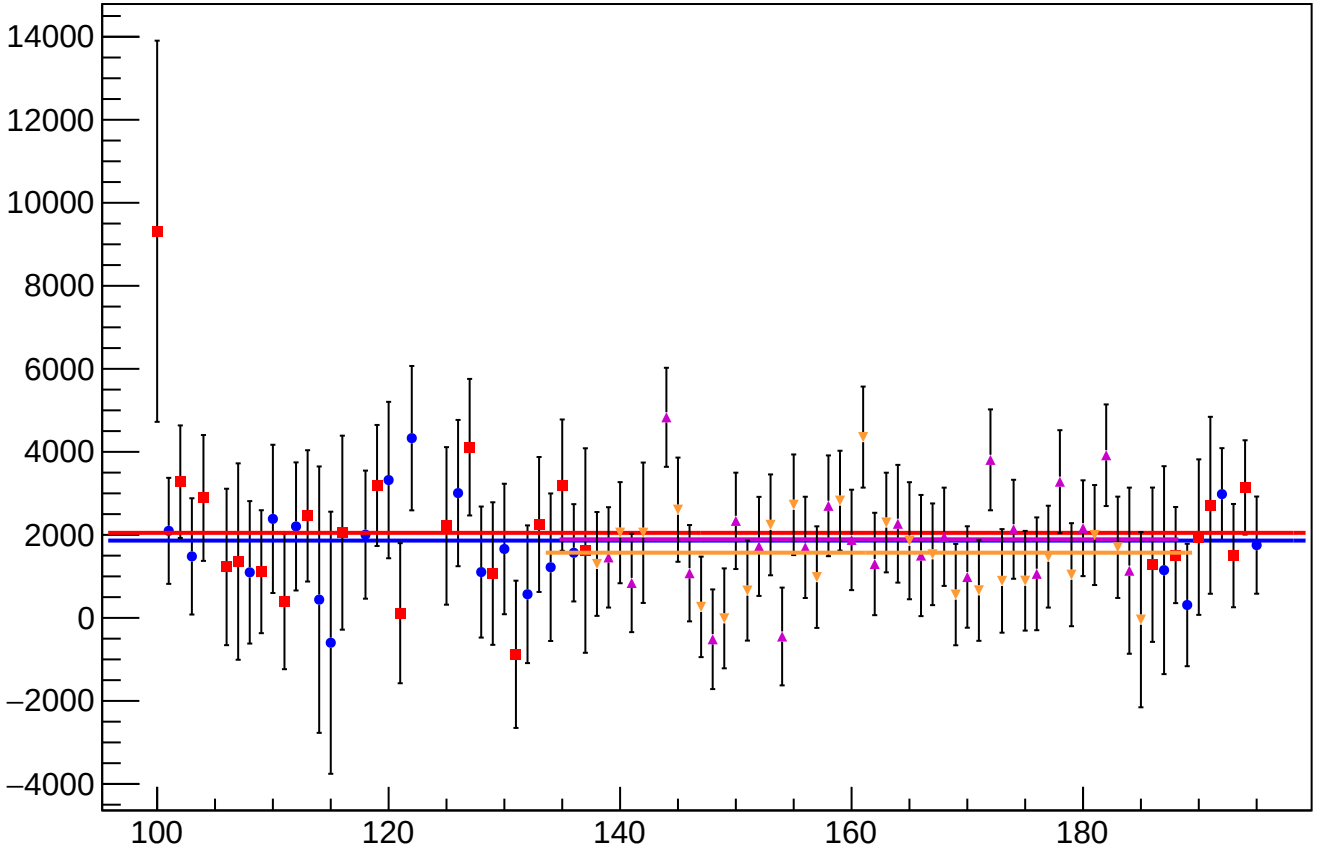
Right: 27.460+/-0.005 χ^2/NDF: 1340762.7/42

In: 28.720+/-0.004 χ^2/NDF:1454715.0/42

Out: 28.149+/-0.004 χ^2/NDF:2263246.9/46

All: 28.426+/-0.003 χ^2/NDF: 3728307.9/89

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1862.615+/-350.773 χ^2/NDF: 7.6/19

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

Right Out: 2049.122+/-334.603 χ^2/NDF: 14.1/23

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

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

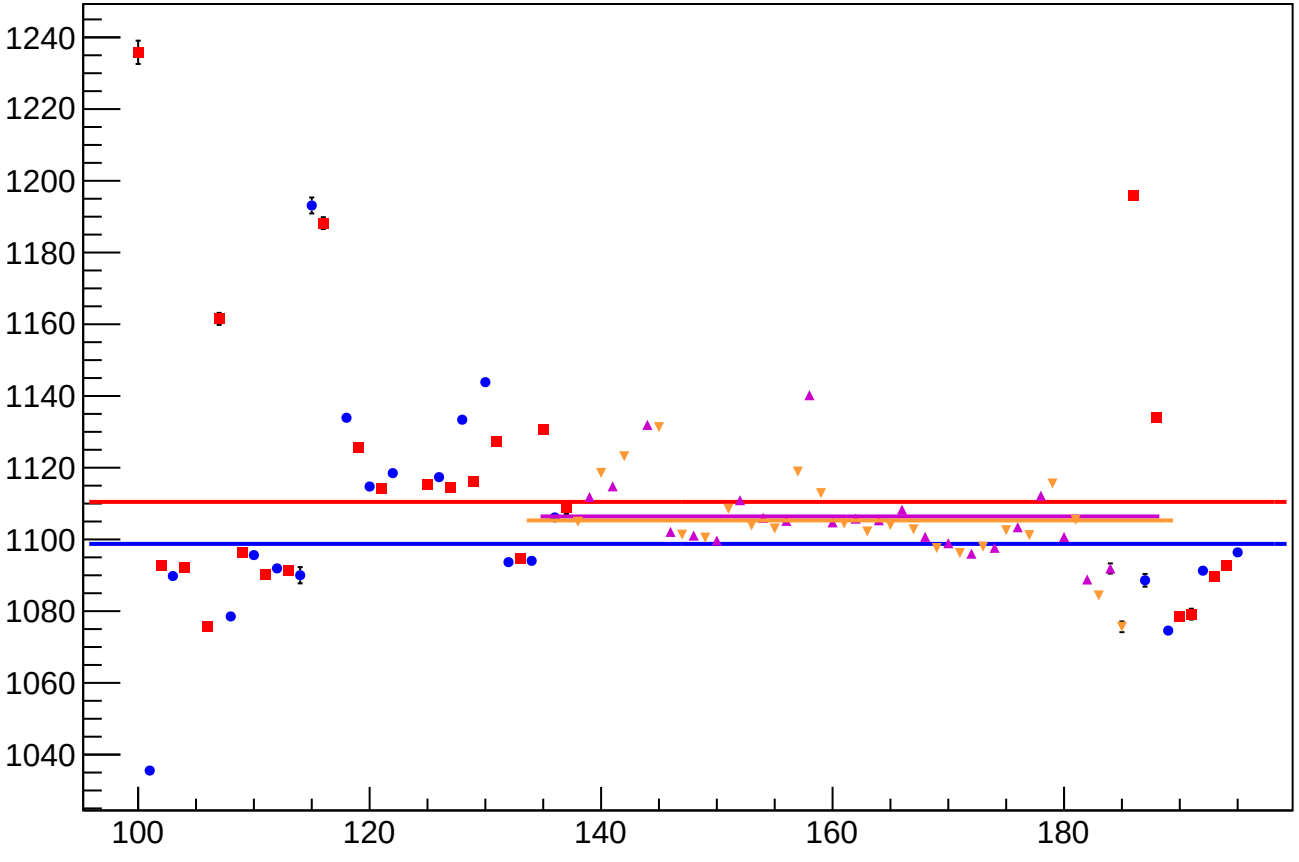
Right: 1960.266+/-242.115 χ^2/NDF: 21.9/43

In: 1882.539+/-208.013 χ^2/NDF:31.7/42

Out: 1748.036+/-203.586 χ^2/NDF:30.8/47

All: 1813.842+/-145.497 χ^2/NDF: 62.7/90

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.758+/-0.248 χ^2/NDF: 12160.1/19

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

Right Out: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

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

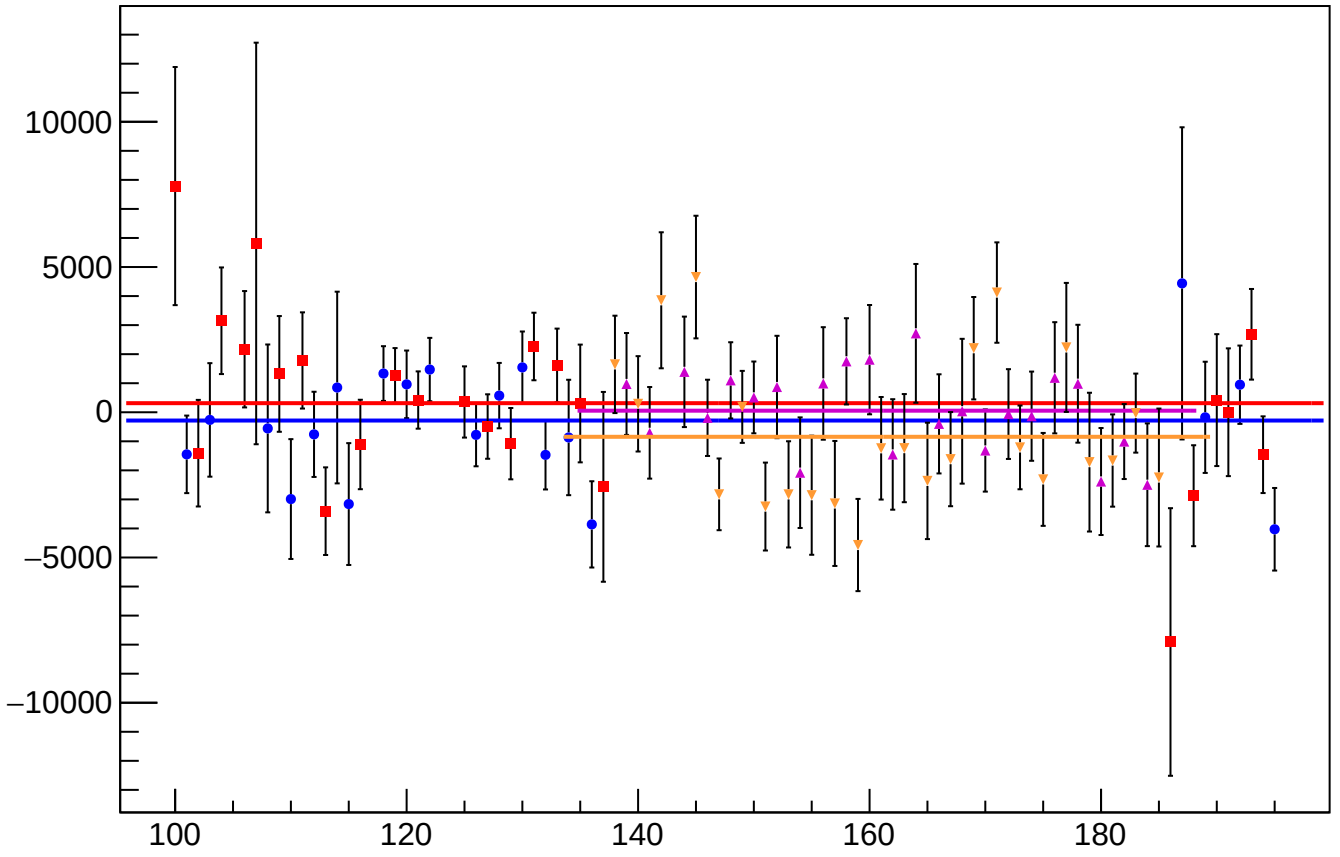
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1104.887+/-0.171 χ^2/NDF: 28142.2/43

In: 1103.716+/-0.147 χ^2/NDF:16552.8/42

Out: 1107.208+/-0.144 χ^2/NDF:18278.3/47

All: 1105.500+/-0.103 χ^2/NDF: 35119.1/90



Right In: -284.854+/-320.544 χ^2/NDF: 29.7/19

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

Right Out: 312.955+/-313.692 χ^2/NDF: 34.3/23

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

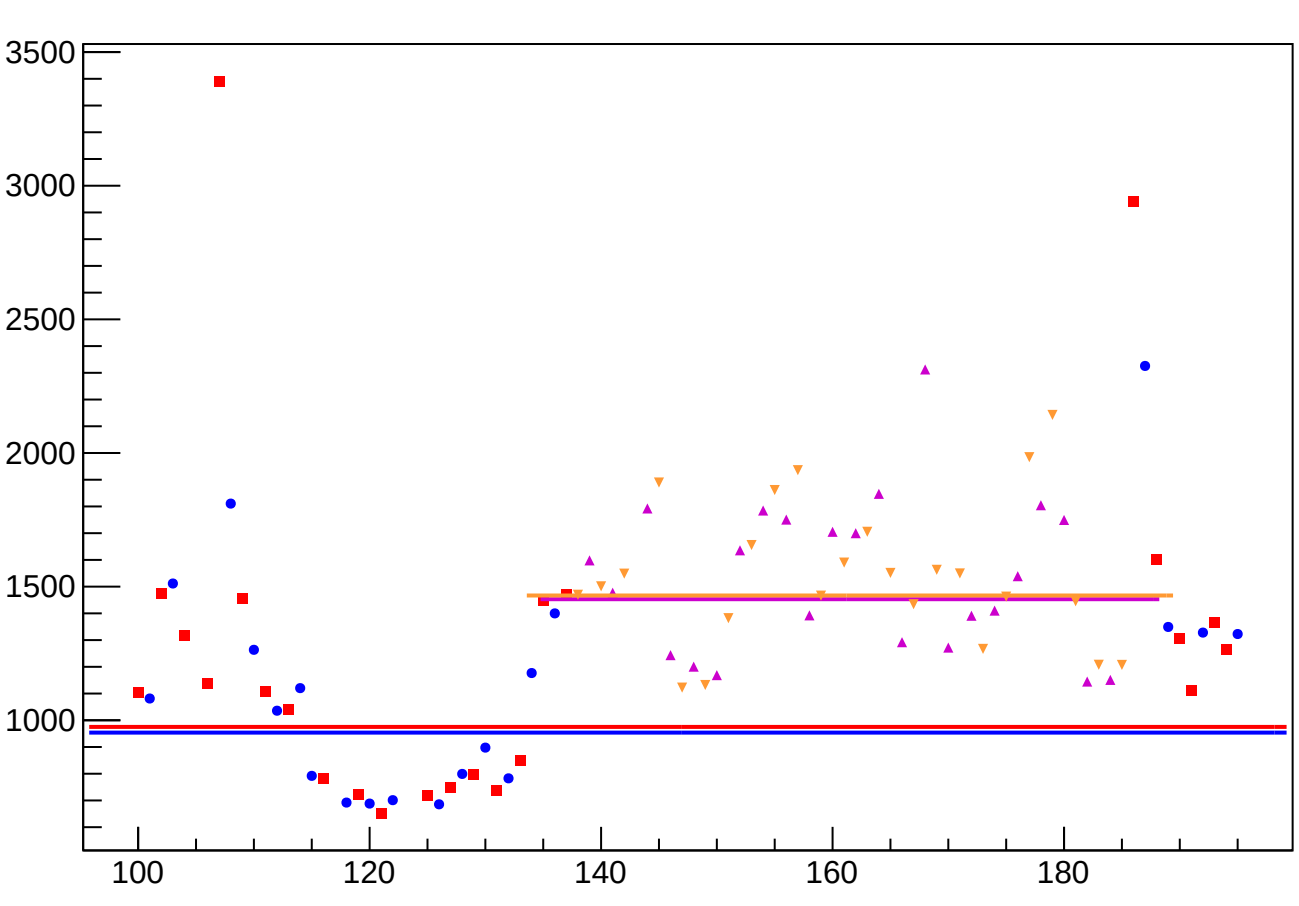
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 20.507+/-224.197 χ^2/NDF: 65.7/43

In: -128.171+/-235.132 χ^2/NDF:43.2/42

Out: -207.065+/-232.805 χ^2/NDF:84.5/47

All: -168.010+/-165.435 χ^2/NDF: 127.8/90



Right In: 953.842+/-0.227 χ^2/NDF: 1707702.5/19

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

Right Out: 975.167+/-0.222 χ^2/NDF: 2364838.8/23

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

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

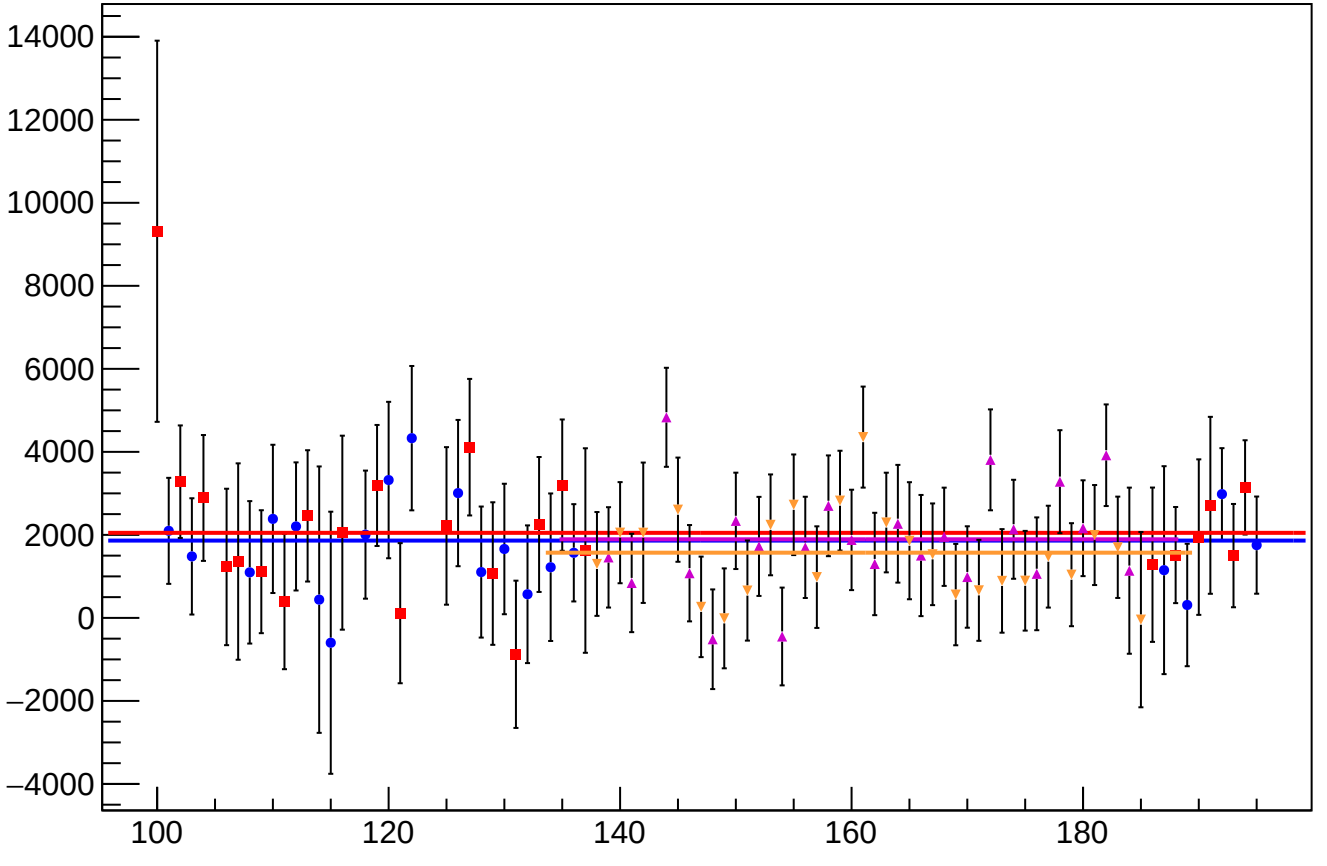
Right: 964.735+/-0.159 χ^2/NDF: 4077062.8/43

In: 1184.404+/-0.166 χ^2/NDF:5077369.6/42

Out: 1196.039+/-0.165 χ^2/NDF:5615362.4/47

All: 1190.280+/-0.117 χ^2/NDF: 10695204.9/9

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1862.615+/-350.773 χ^2/NDF: 7.6/19

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

Right Out: 2049.109+/-334.603 χ^2/NDF: 14.1/23

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

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

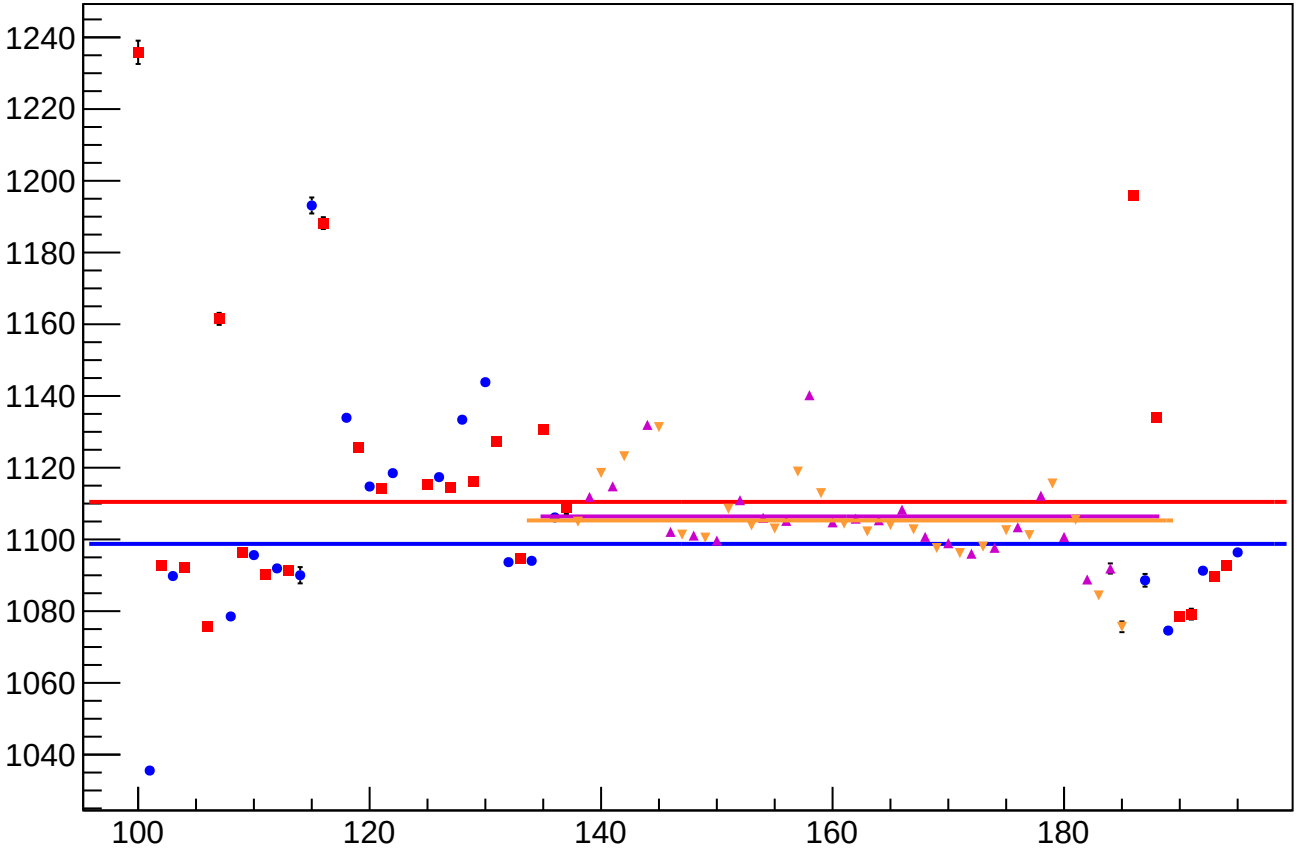
Right: 1960.260+/-242.115 χ^2/NDF: 21.9/43

In: 1882.539+/-208.013 χ^2/NDF:31.7/42

Out: 1748.032+/-203.586 χ^2/NDF:30.8/47

All: 1813.839+/-145.497 χ^2/NDF: 62.7/90

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.758+/-0.248 χ^2/NDF: 12160.1/19

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

Right Out: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

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

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

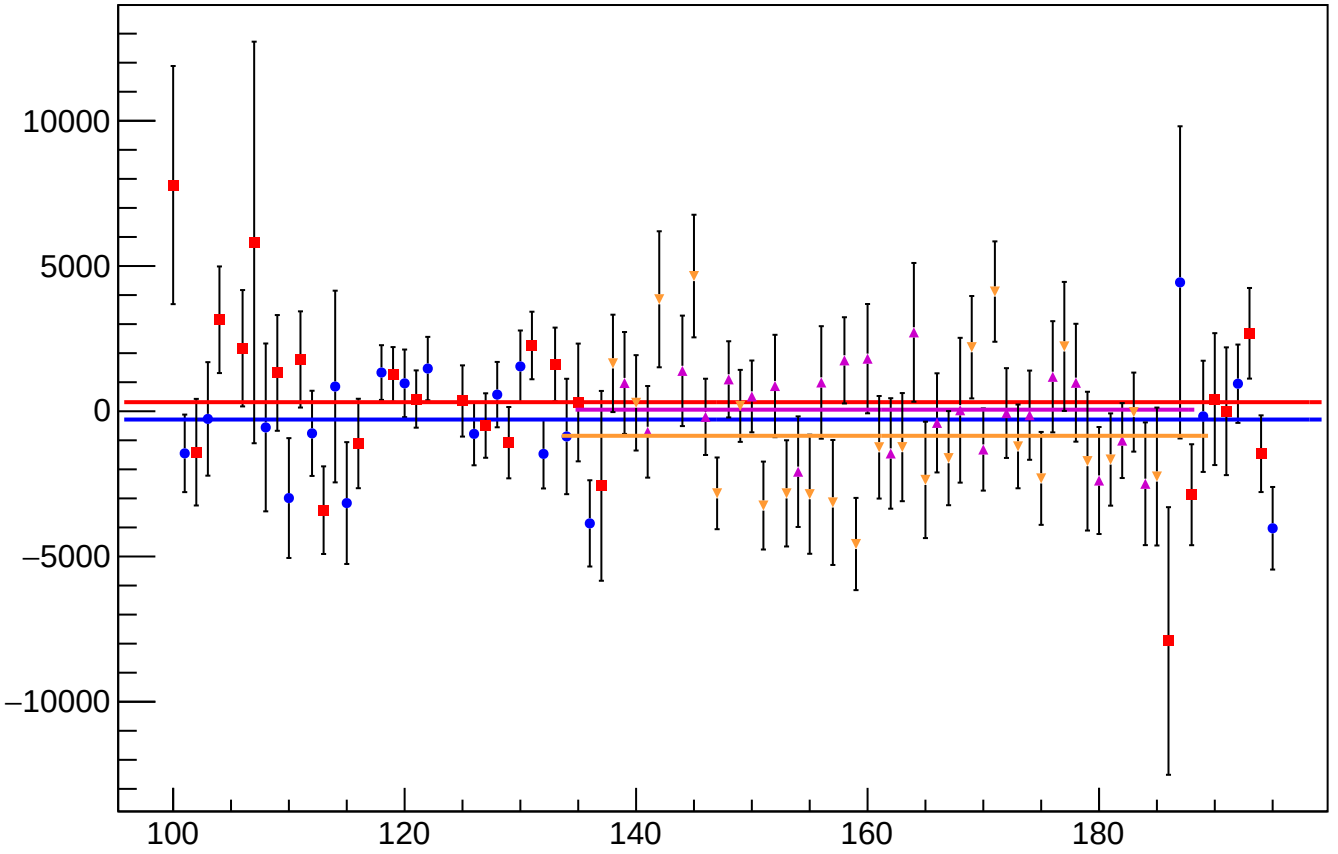
Right: 1104.887+/-0.171 χ^2/NDF: 28142.2/43

In: 1103.716+/-0.147 χ^2/NDF:16552.8/42

Out: 1107.208+/-0.144 χ^2/NDF:18278.3/47

All: 1105.500+/-0.103 χ^2/NDF: 35119.1/90

asym_usl_cor_correction_mean vs Slug, Sign Corrected



Right In: -284.854+/-320.544 χ^2/NDF: 29.7/19

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

Right Out: 312.954+/-313.692 χ^2/NDF: 34.3/23

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

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

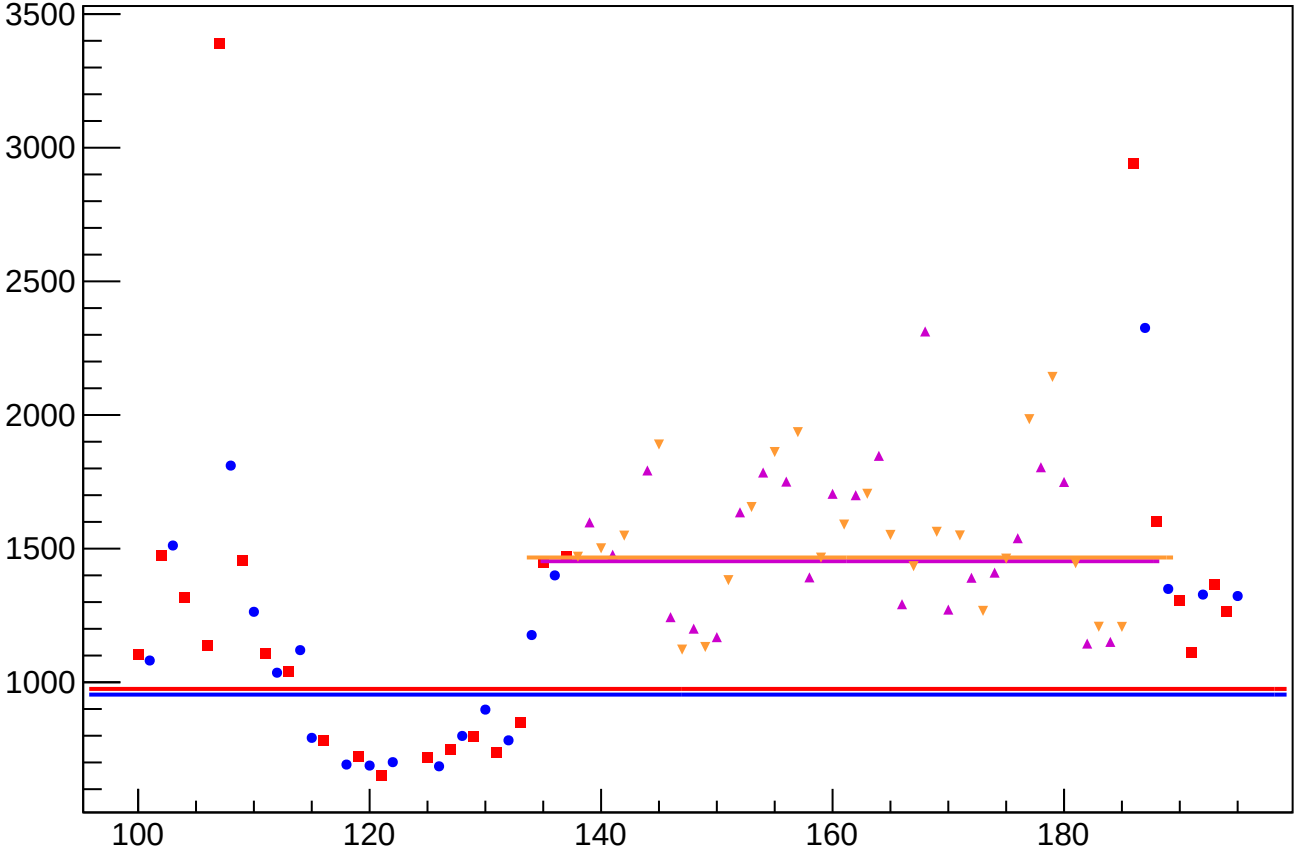
Right: 20.507+/-224.197 χ^2/NDF: 65.7/43

In: -128.171+/-235.132 χ^2/NDF:43.2/42

Out: -207.065+/-232.805 χ^2/NDF:84.5/47

All: -168.010+/-165.435 χ^2/NDF: 127.8/90

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 953.842+/-0.227 χ^2/NDF: 1707702.5/19

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

Right Out: 975.167+/-0.222 χ^2/NDF: 2364837.5/23

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

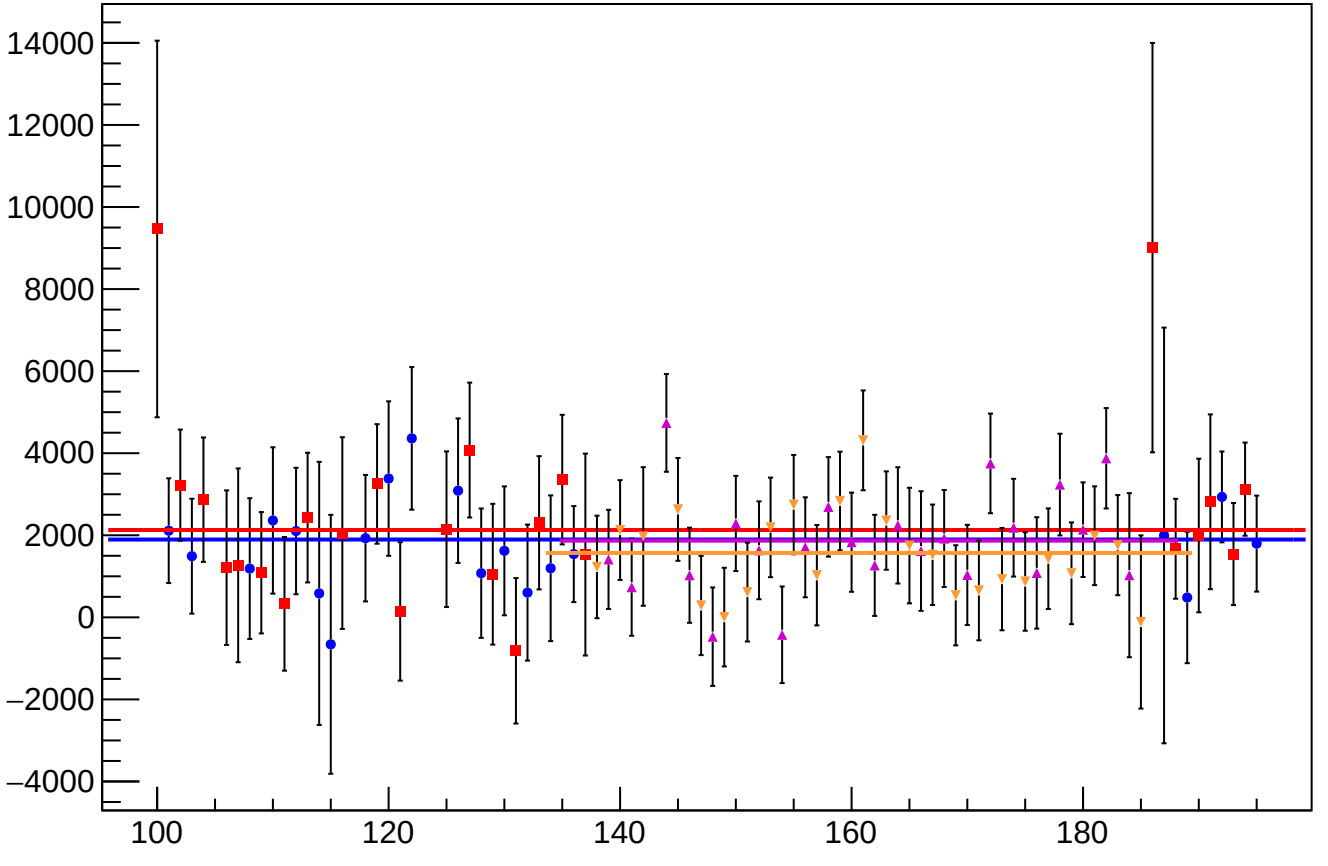
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 964.735+/-0.159 χ^2/NDF: 4077061.4/43

In: 1184.404+/-0.166 χ^2/NDF:5077369.6/42

Out: 1196.039+/-0.165 χ^2/NDF:5615363.3/47

All: 1190.279+/-0.117 χ^2/NDF: 10695205.7/9



Right In: 1896.633+/-354.659 χ^2/NDF: 7.1/19

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

Right Out: 2128.329+/-340.515 χ^2/NDF: 15.9/23

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

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

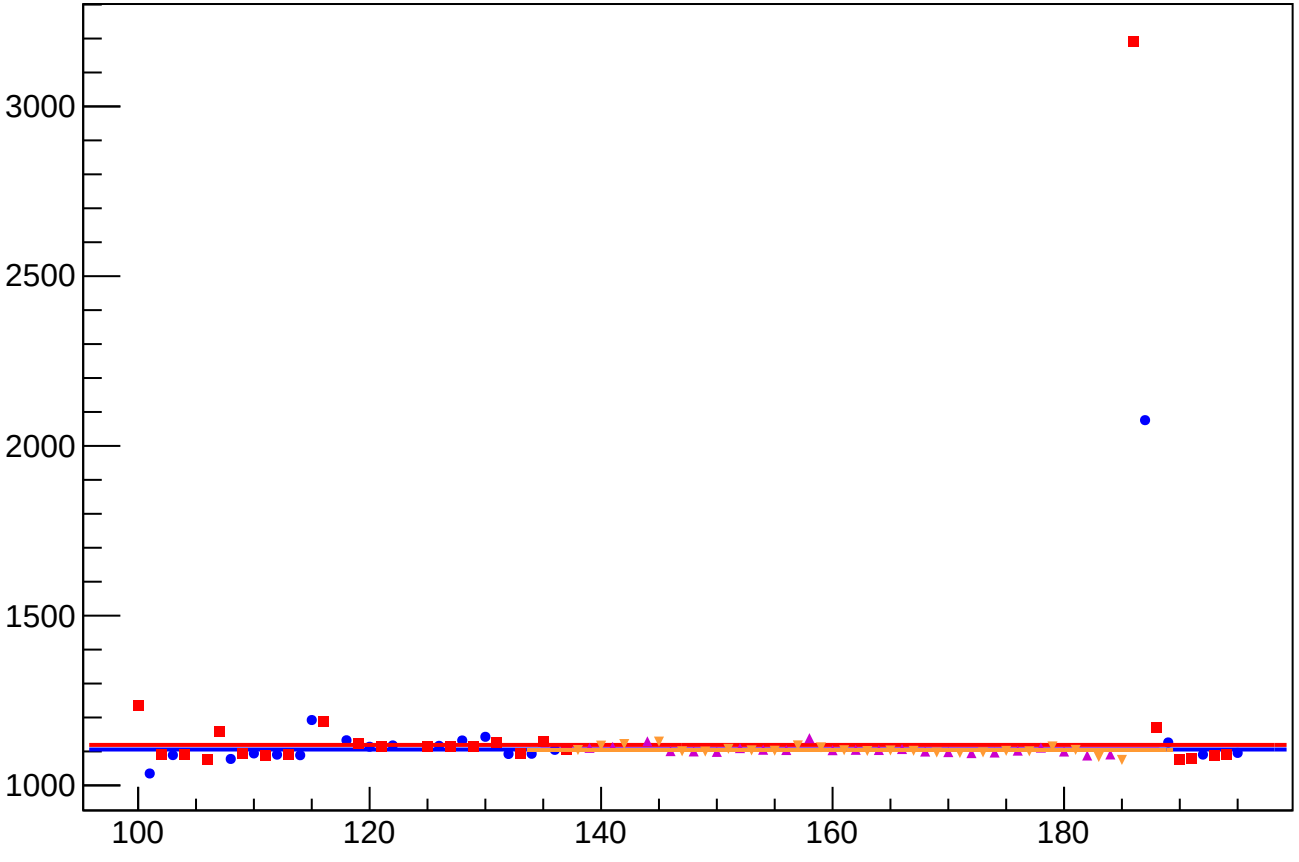
Right: 2017.193+/-245.629 χ^2/NDF: 23.3/43

In: 1878.791+/-208.688 χ^2/NDF:30.5/42

Out: 1771.137+/-204.773 χ^2/NDF:33.0/47

All: 1823.945+/-146.161 χ^2/NDF: 63.7/90

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.669+/-0.251 χ^2/NDF: 85758.1/19

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

Right Out: 1119.228+/-0.241 χ^2/NDF: 361225.8/23

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

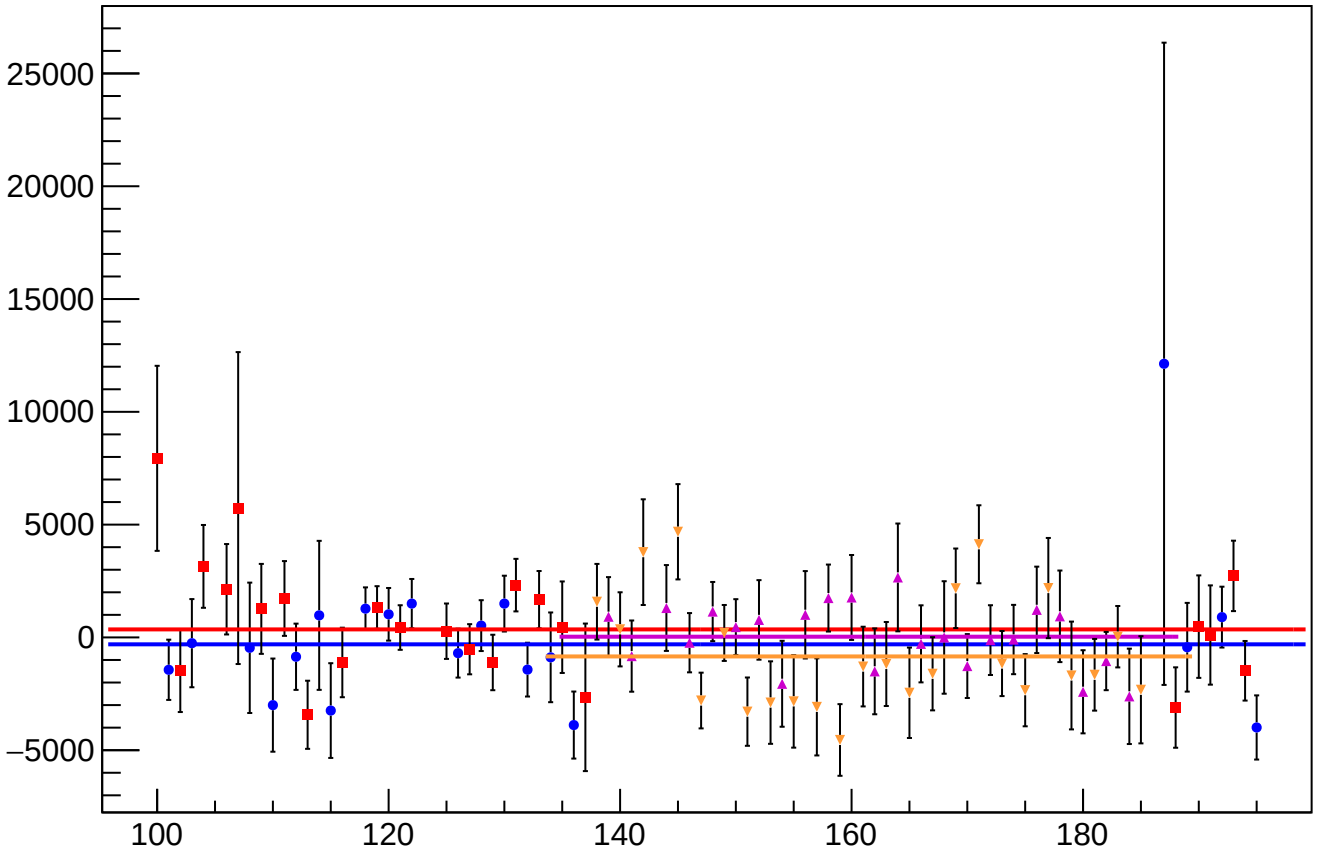
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1112.725+/-0.174 χ^2/NDF: 448504.9/43

In: 1105.481+/-0.148 χ^2/NDF:89420.1/42

Out: 1109.672+/-0.145 χ^2/NDF:366692.6/47

All: 1107.616+/-0.103 χ^2/NDF: 456523.7/90



Right In: -306.316+/-321.720 χ^2/NDF: 29.4/19

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

Right Out: 355.150+/-315.082 χ^2/NDF: 32.1/22

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

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

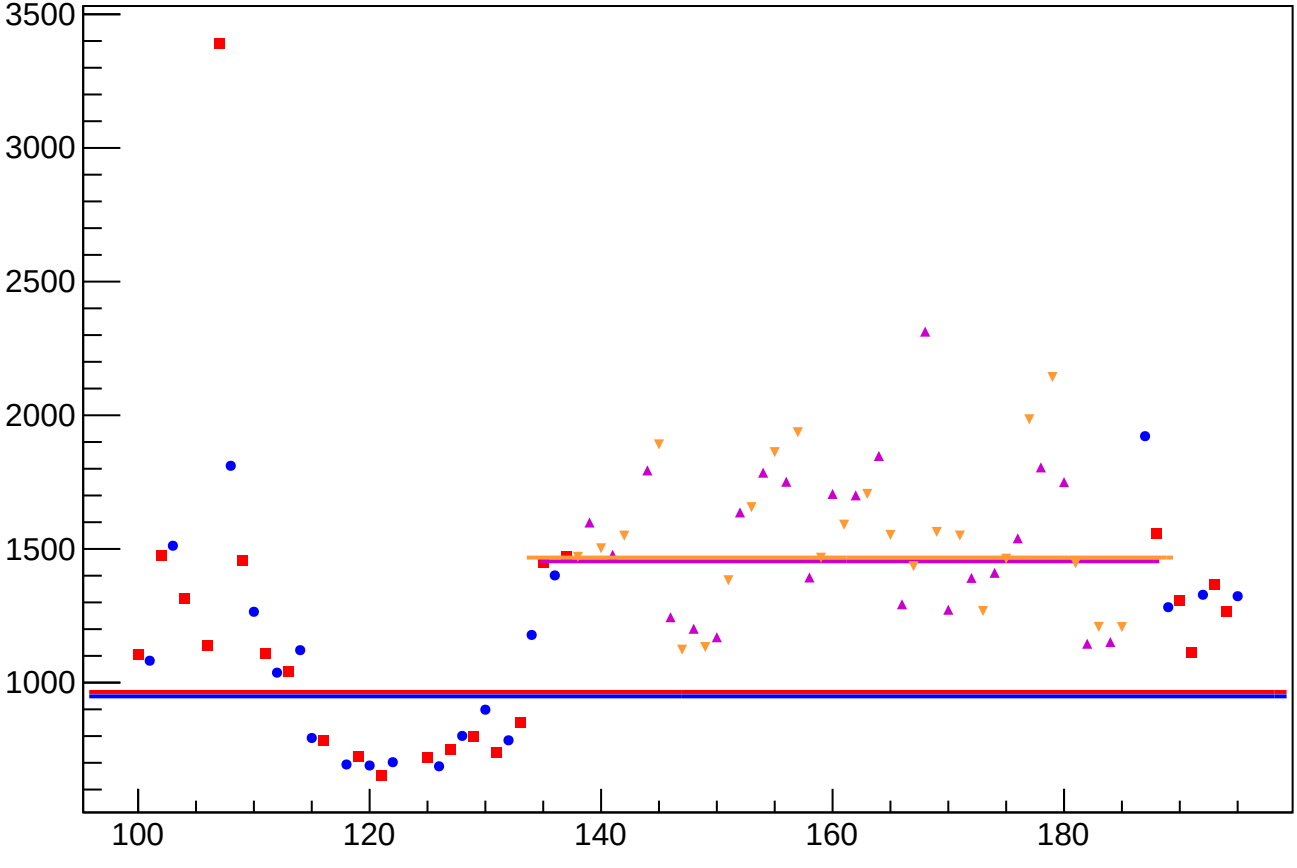
Right: 31.311+/-225.107 χ^2/NDF: 63.6/42

In: -149.803+/-235.656 χ^2/NDF:42.9/42

Out: -185.505+/-233.430 χ^2/NDF:82.7/46

All: -167.824+/-165.841 χ^2/NDF: 125.6/89

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 948.568+/-0.227 χ^2/NDF: 1549536.6/19

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

Right Out: 965.050+/-0.223 χ^2/NDF: 1945076.6/22

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

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

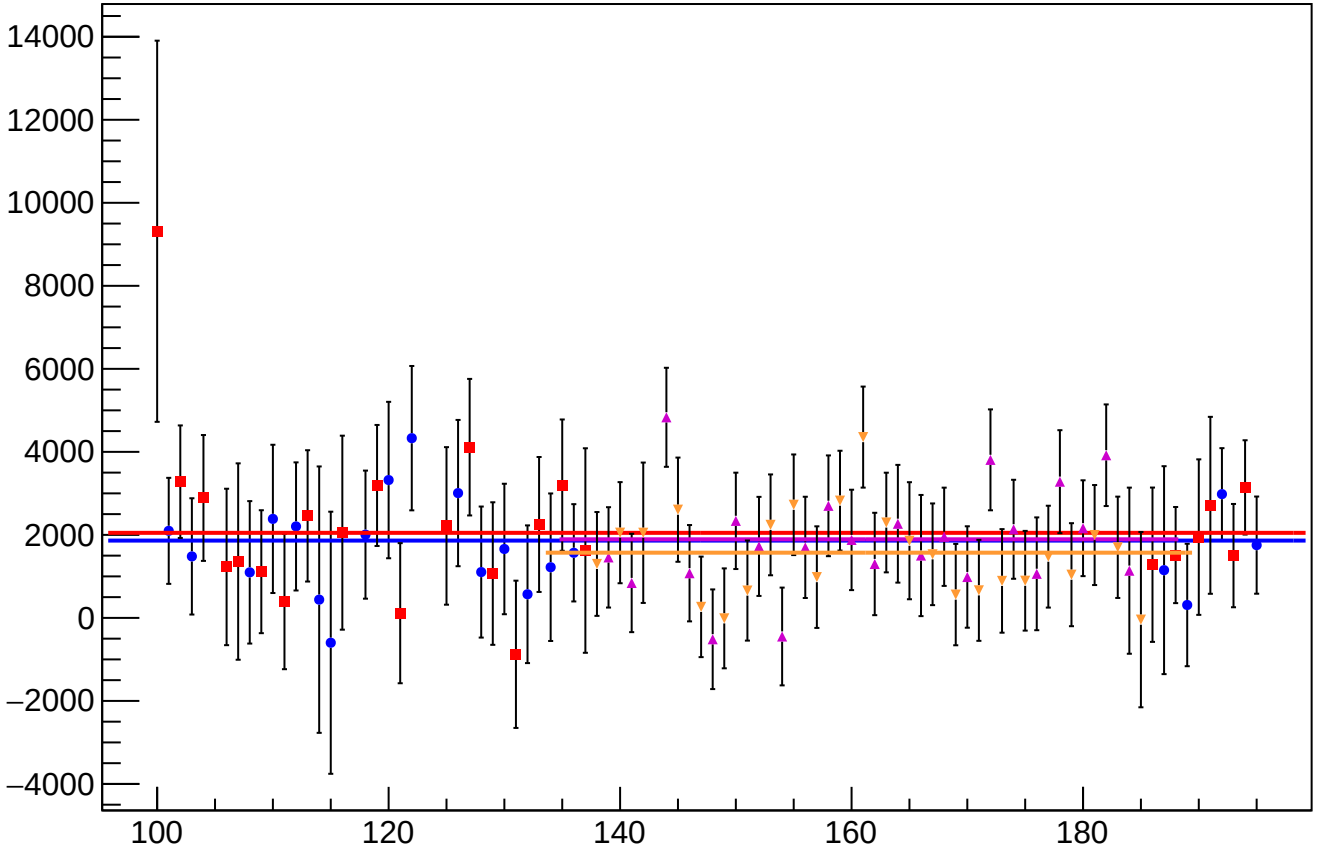
Right: 956.981+/-0.159 χ^2/NDF: 3497292.6/42

In: 1182.740+/-0.167 χ^2/NDF:4963812.0/42

Out: 1191.812+/-0.165 χ^2/NDF:5283187.3/46

All: 1187.319+/-0.117 χ^2/NDF: 10248495.6/8

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1862.615+/-350.773 χ^2/NDF: 7.6/19

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

Right Out: 2049.109+/-334.603 χ^2/NDF: 14.1/23

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

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

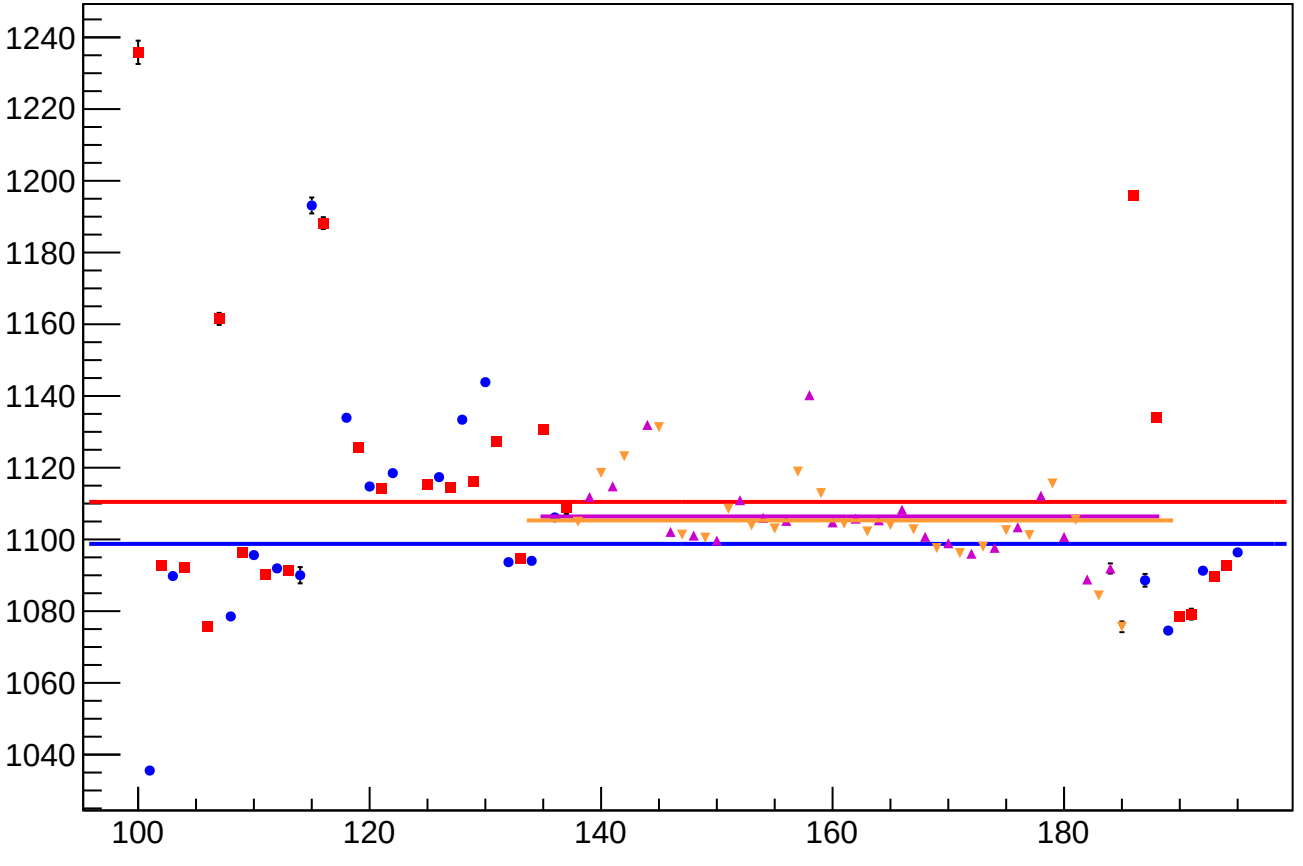
Right: 1960.260+/-242.115 χ^2/NDF: 21.9/43

In: 1882.539+/-208.013 χ^2/NDF:31.7/42

Out: 1748.032+/-203.586 χ^2/NDF:30.8/47

All: 1813.839+/-145.497 χ^2/NDF: 62.7/90

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.758+/-0.248 χ^2/NDF: 12160.1/19

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

Right Out: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

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

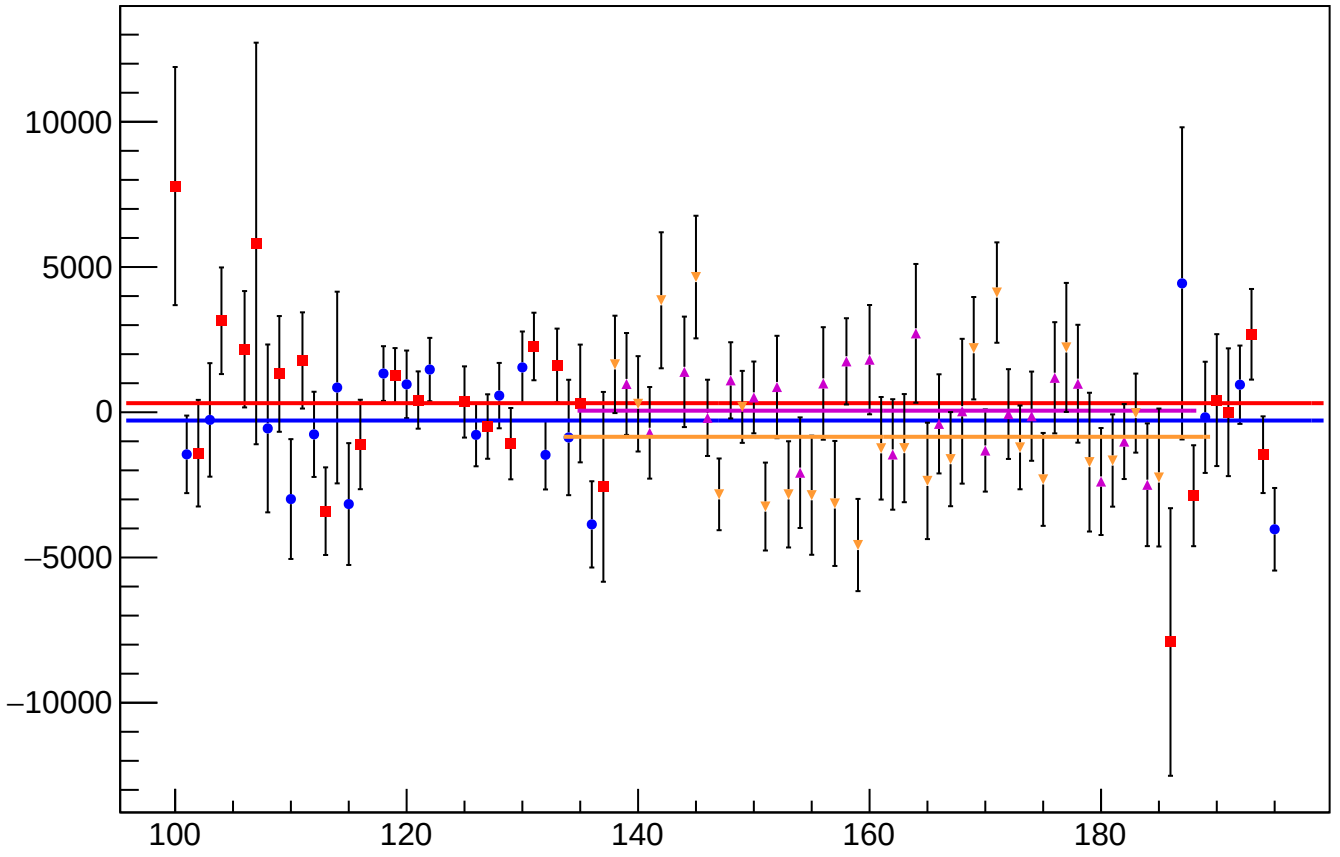
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1104.887+/-0.171 χ^2/NDF: 28142.2/43

In: 1103.716+/-0.147 χ^2/NDF:16552.8/42

Out: 1107.208+/-0.144 χ^2/NDF:18278.3/47

All: 1105.500+/-0.103 χ^2/NDF: 35119.1/90



Right In: -284.854+/-320.544 χ^2/NDF: 29.7/19

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

Right Out: 312.954+/-313.692 χ^2/NDF: 34.3/23

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

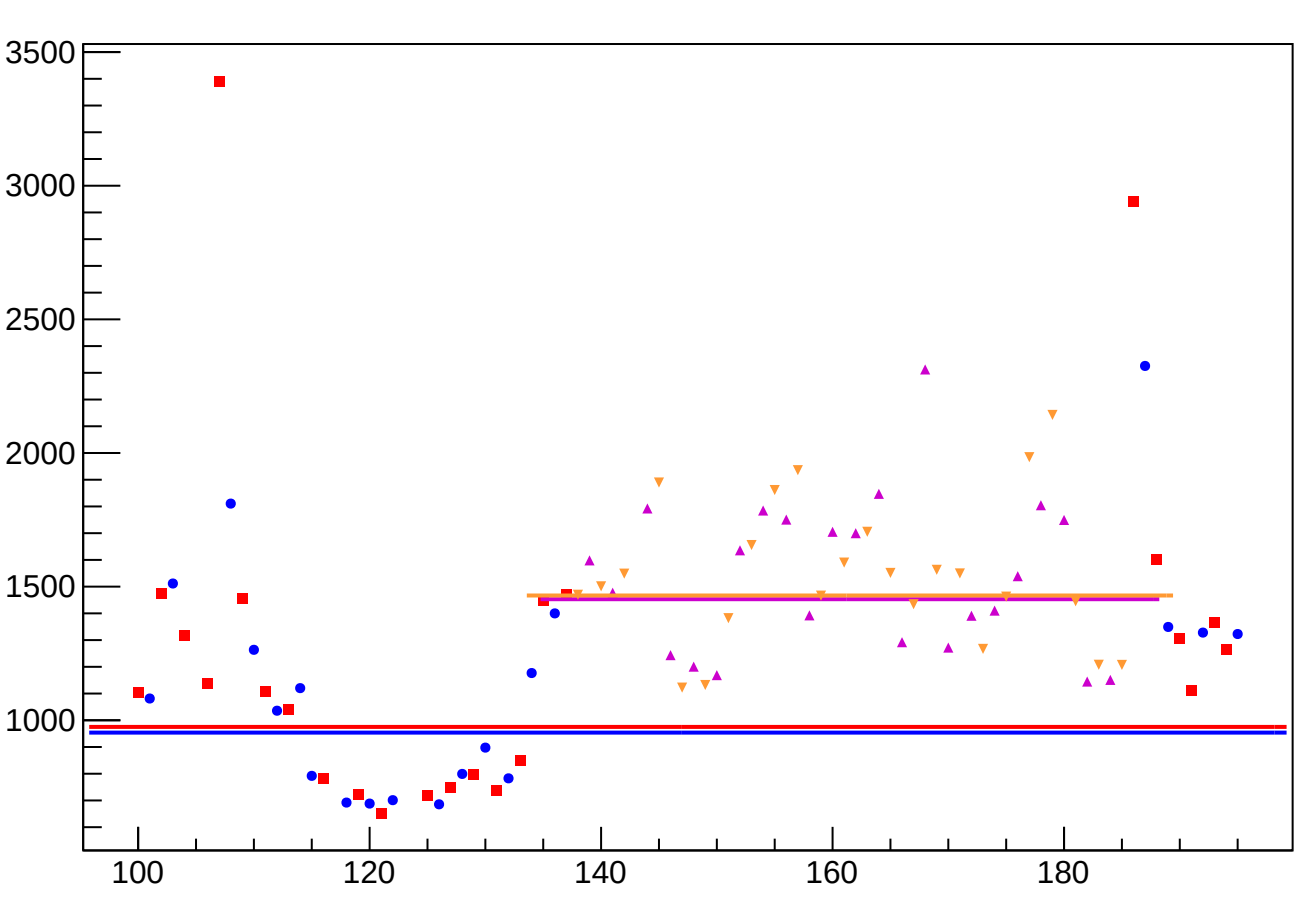
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 20.507+/-224.197 χ^2/NDF: 65.7/43

In: -128.171+/-235.132 χ^2/NDF:43.2/42

Out: -207.065+/-232.805 χ^2/NDF:84.5/47

All: -168.010+/-165.435 χ^2/NDF: 127.8/90



Right In: 953.842+/-0.227 χ^2/NDF: 1707702.5/19

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

Right Out: 975.167+/-0.222 χ^2/NDF: 2364837.5/23

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

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

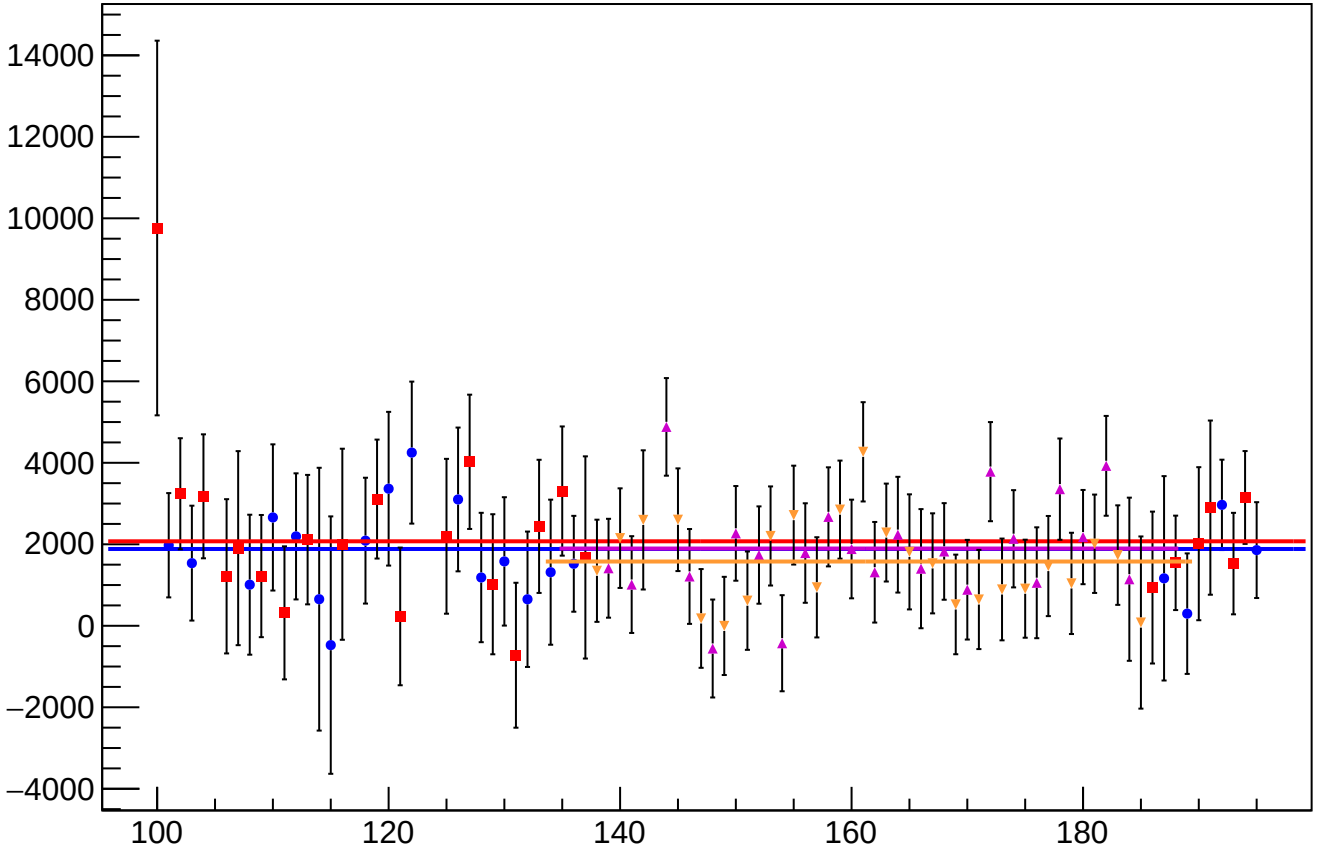
Right: 964.735+/-0.159 χ^2/NDF: 4077061.4/43

In: 1184.404+/-0.166 χ^2/NDF:5077369.6/42

Out: 1196.039+/-0.165 χ^2/NDF:5615363.3/47

All: 1190.279+/-0.117 χ^2/NDF: 10695205.7/9

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1884.966+/-351.774 χ^2/NDF: 7.4/19

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

Right Out: 2073.389+/-335.637 χ^2/NDF: 14.2/23

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

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

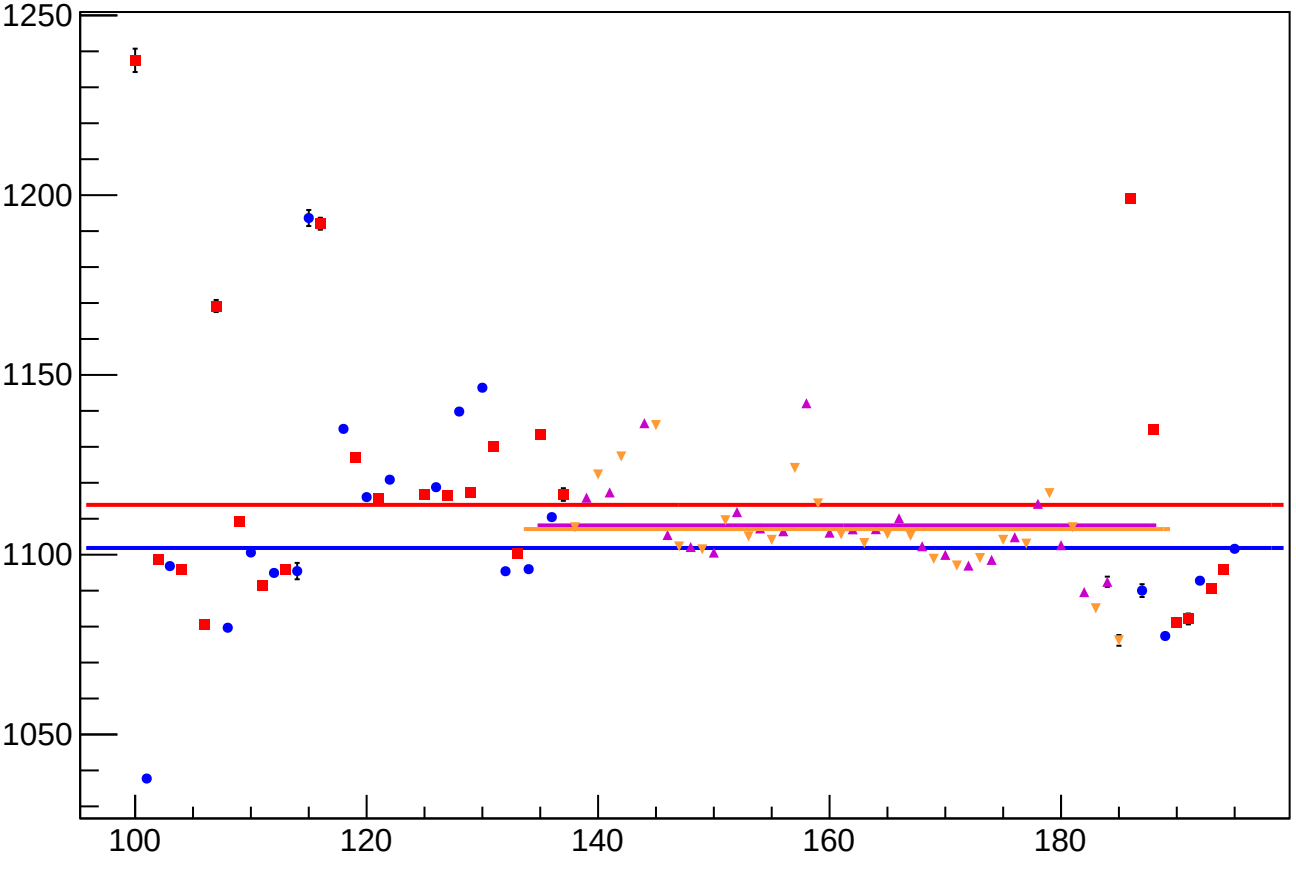
Right: 1983.598+/-242.836 χ^2/NDF: 21.7/43

In: 1891.833+/-208.436 χ^2/NDF:31.5/42

Out: 1760.724+/-204.053 χ^2/NDF:31.1/47

All: 1824.885+/-145.812 χ^2/NDF: 62.8/90

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.872+/-0.249 χ^2/NDF: 12202.6/19

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

Right Out: 1113.860+/-0.237 χ^2/NDF: 14410.7/23

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

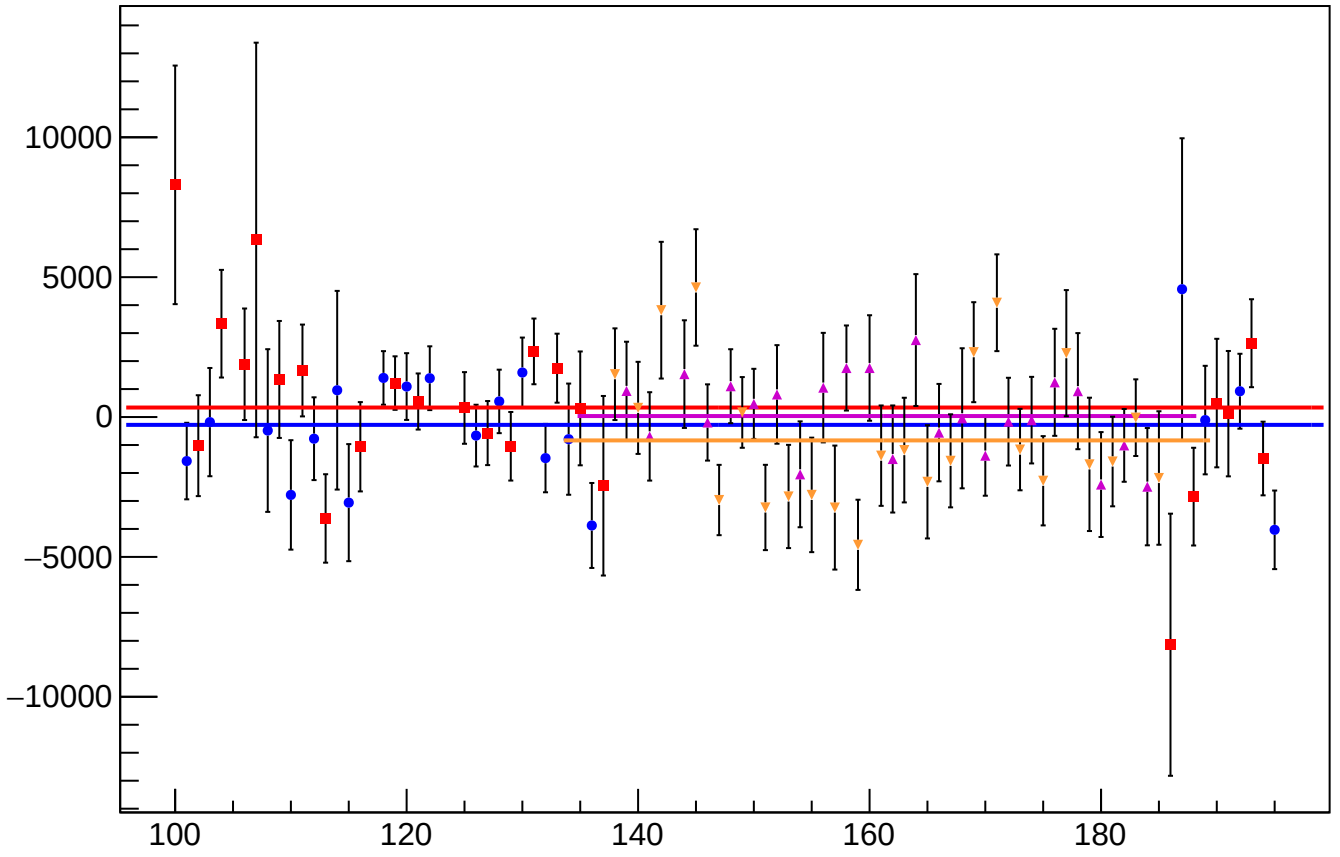
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1108.147+/-0.172 χ^2/NDF: 27829.2/43

In: 1105.943+/-0.147 χ^2/NDF:16805.9/42

Out: 1109.616+/-0.144 χ^2/NDF:18701.9/47

All: 1107.818+/-0.103 χ^2/NDF: 35824.8/90



Right In: -279.846+/-325.006 χ^2/NDF: 29.4/19

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

Right Out: 339.907+/-318.013 χ^2/NDF: 34.2/23

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

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

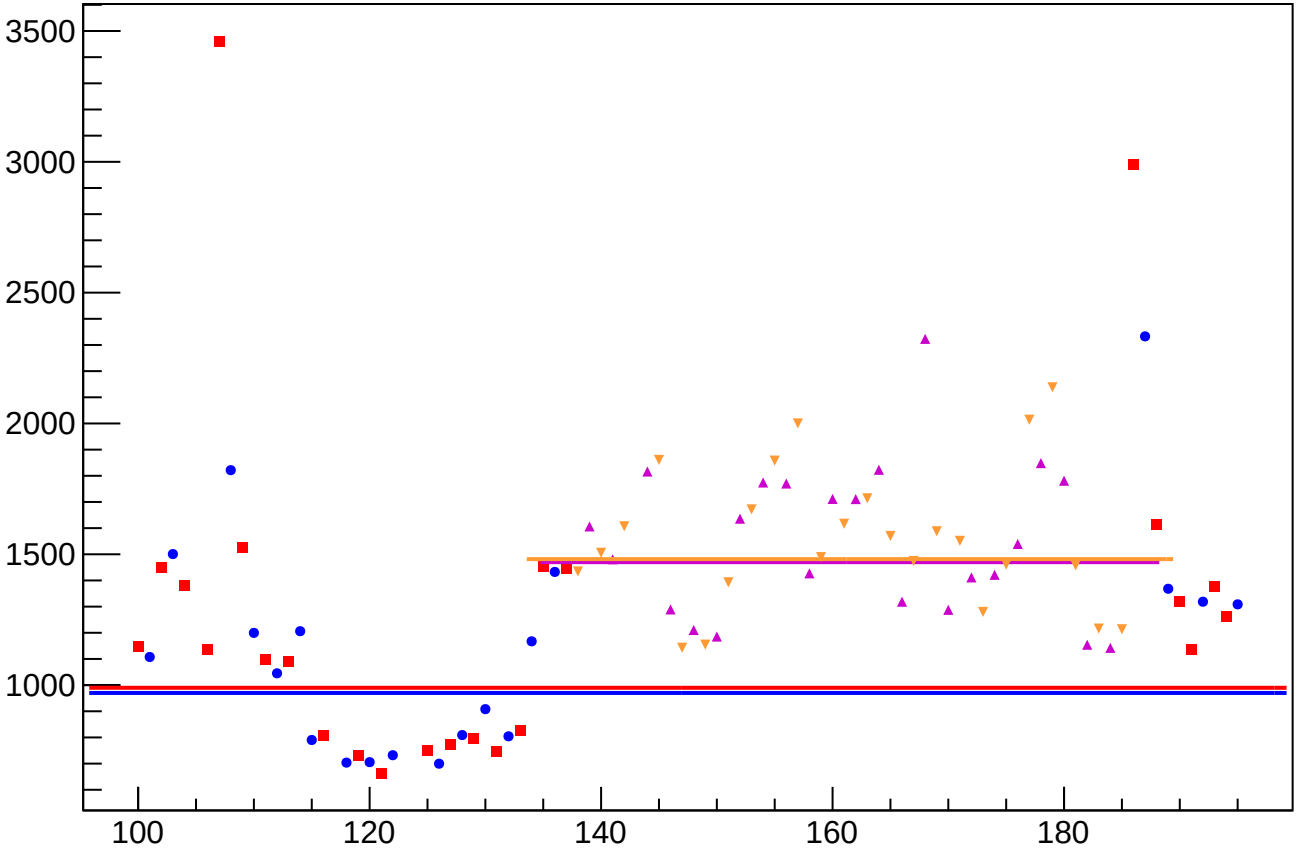
Right: 36.769+/-227.301 χ^2/NDF: 65.4/43

In: -133.663+/-238.045 χ^2/NDF:42.9/42

Out: -190.524+/-235.554 χ^2/NDF:83.9/47

All: -162.393+/-167.436 χ^2/NDF: 126.9/90

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 970.073+/-0.230 χ^2/NDF: 1609688.3/19

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

Right Out: 989.796+/-0.225 χ^2/NDF: 2335938.9/23

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

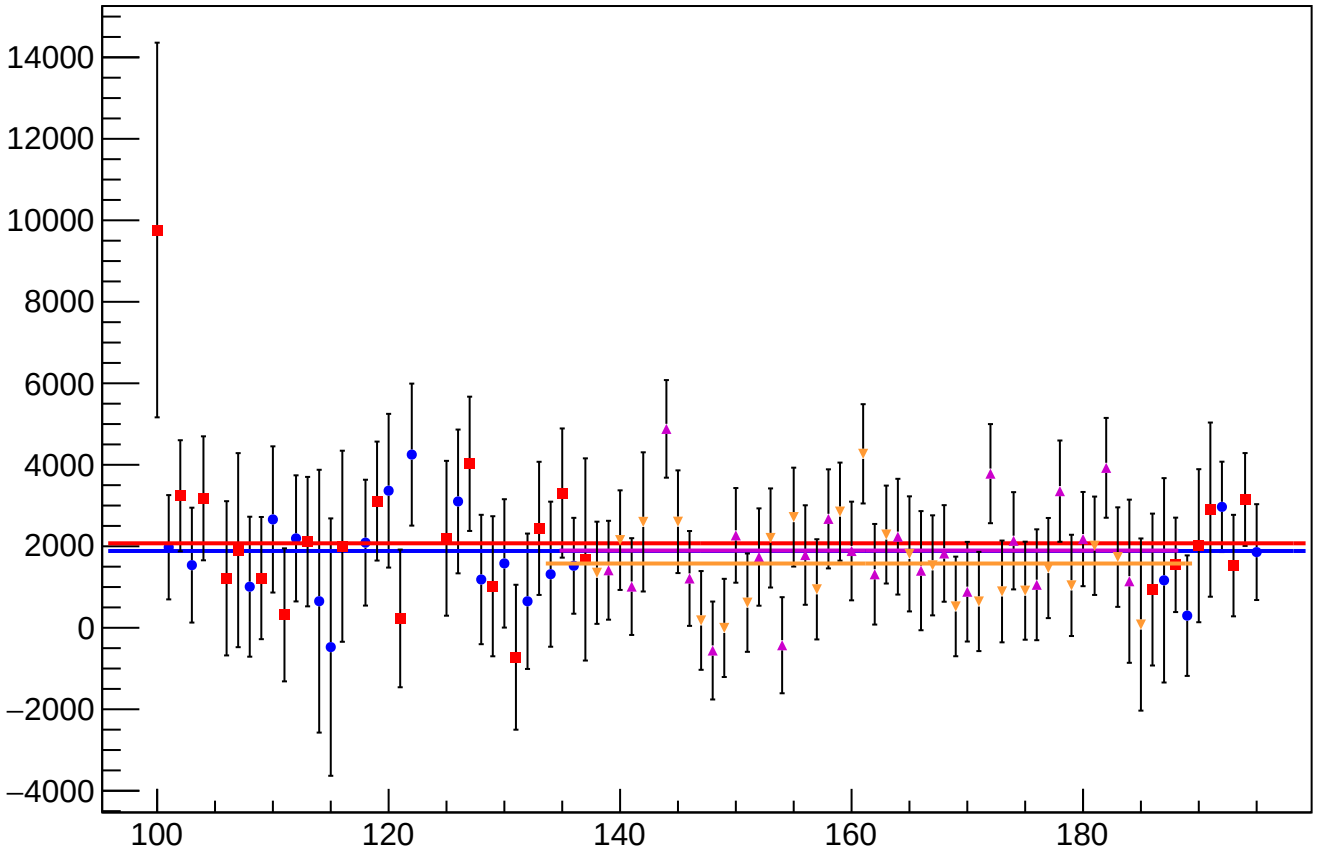
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 980.149+/-0.161 χ^2/NDF: 3949390.2/43

In: 1201.766+/-0.168 χ^2/NDF:4897485.6/42

Out: 1211.749+/-0.167 χ^2/NDF:5511856.3/47

All: 1206.810+/-0.118 χ^2/NDF: 10411119.4/9



Right In: 1884.966+/-351.774 χ^2/NDF: 7.4/19

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

Right Out: 2073.386+/-335.637 χ^2/NDF: 14.2/23

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

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

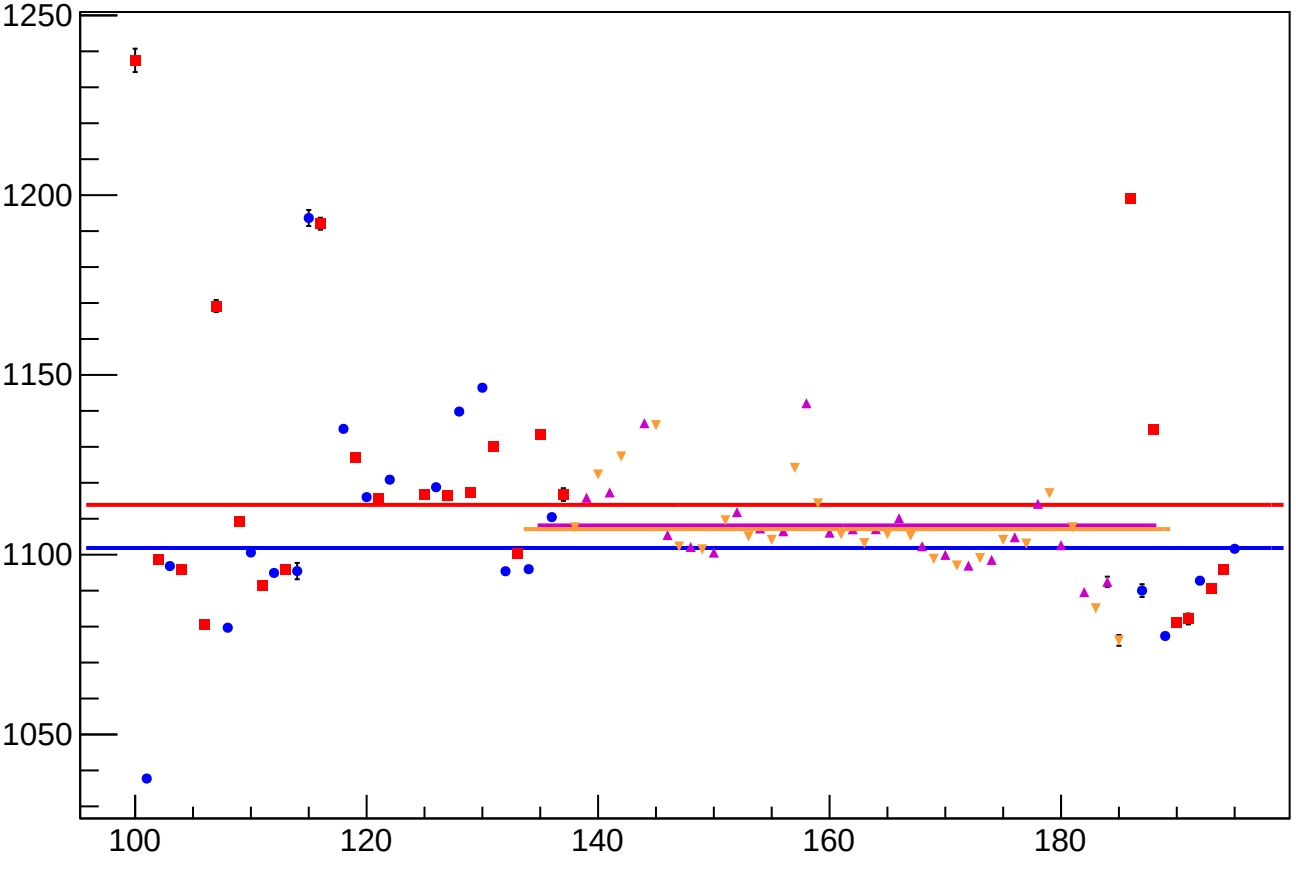
Right: 1983.597+/-242.836 χ^2/NDF: 21.7/43

In: 1891.833+/-208.436 χ^2/NDF:31.5/42

Out: 1760.721+/-204.053 χ^2/NDF:31.1/47

All: 1824.884+/-145.812 χ^2/NDF: 62.8/90

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.872+/-0.249 χ^2/NDF: 12202.6/19

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

Right Out: 1113.860+/-0.237 χ^2/NDF: 14410.6/23

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

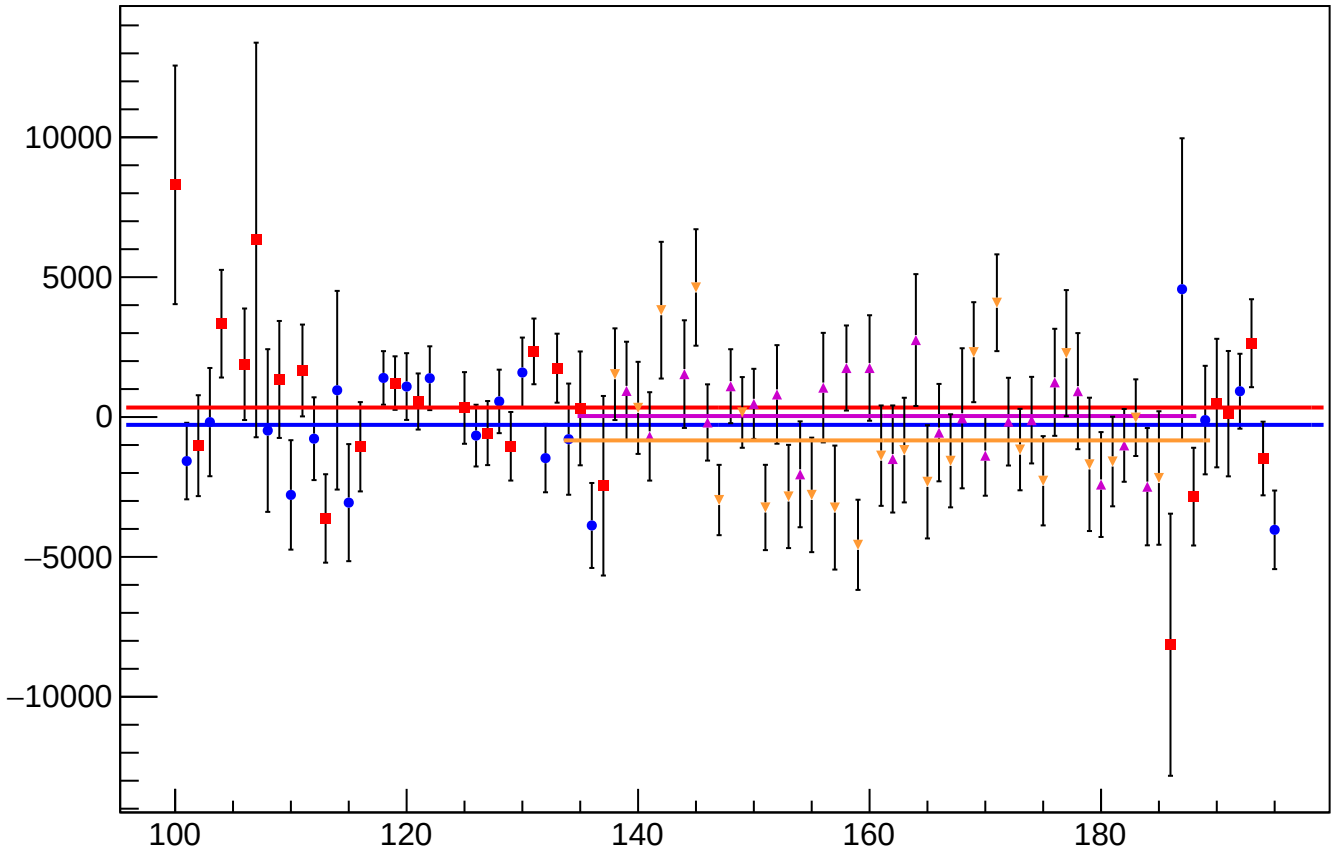
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1108.147+/-0.172 χ^2/NDF: 27829.2/43

In: 1105.943+/-0.147 χ^2/NDF:16805.9/42

Out: 1109.615+/-0.144 χ^2/NDF:18701.8/47

All: 1107.818+/-0.103 χ^2/NDF: 35824.8/90



Right In: -279.844+/-325.005 χ^2/NDF: 29.4/19

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

Right Out: 339.907+/-318.013 χ^2/NDF: 34.2/23

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

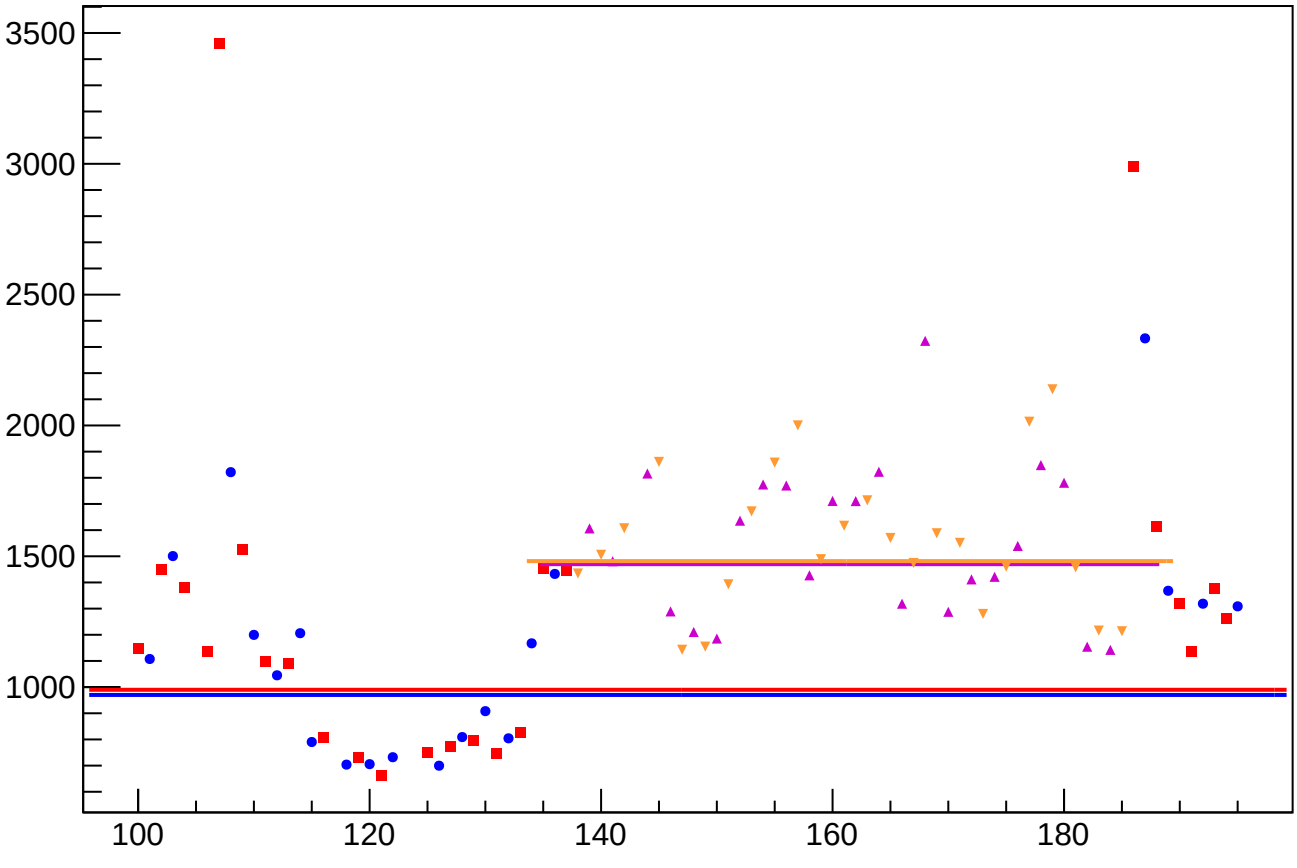
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 36.770+/-227.301 χ^2/NDF: 65.4/43

In: -133.662+/-238.045 χ^2/NDF:42.9/42

Out: -190.524+/-235.554 χ^2/NDF:83.9/47

All: -162.392+/-167.436 χ^2/NDF: 126.9/90



Right In: 970.071+/-0.230 χ^2/NDF: 1609697.1/19

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

Right Out: 989.794+/-0.225 χ^2/NDF: 2335948.3/23

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

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

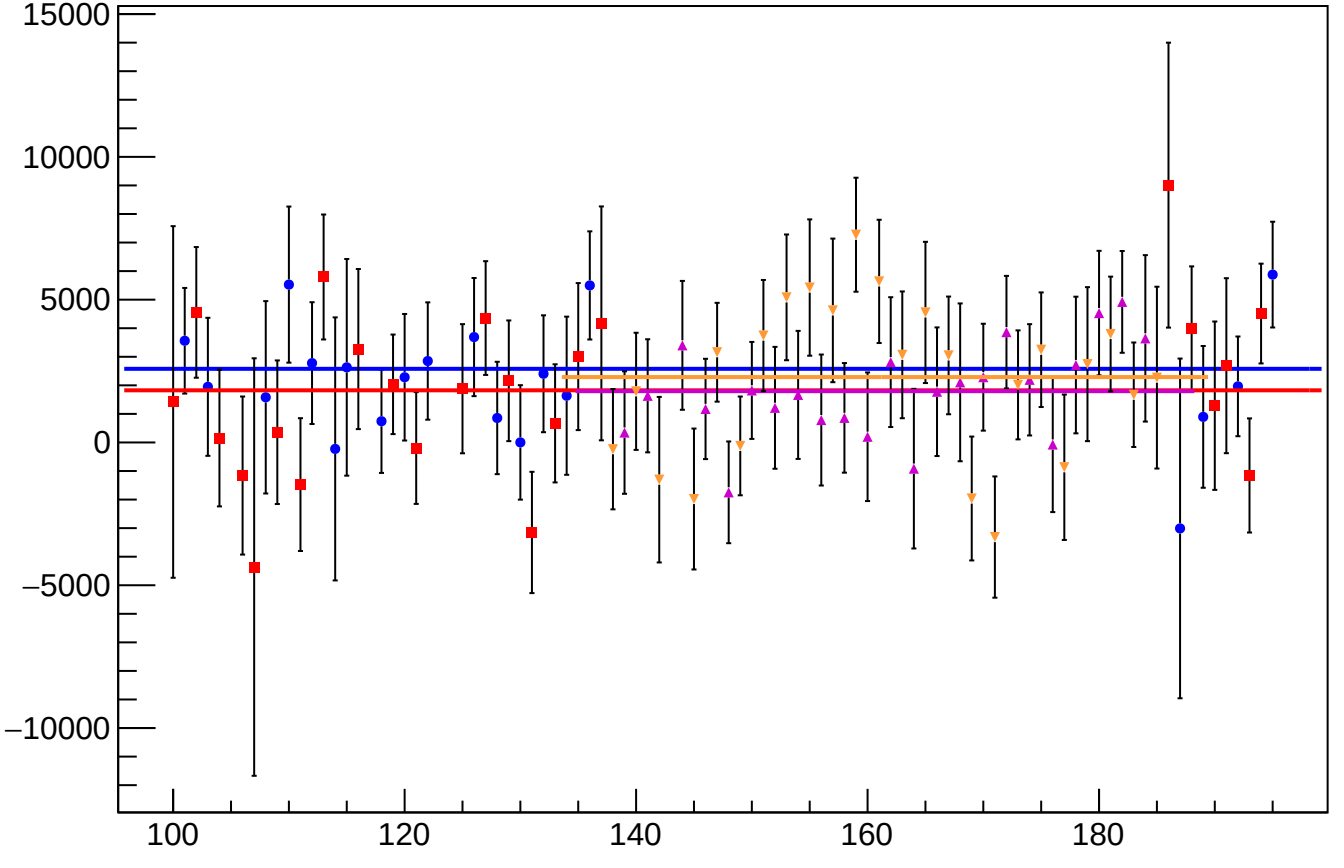
Right: 980.147+/-0.161 χ^2/NDF: 3949408.5/43

In: 1201.765+/-0.168 χ^2/NDF:4897521.8/42

Out: 1211.748+/-0.167 χ^2/NDF:5511895.0/47

All: 1206.809+/-0.118 χ^2/NDF: 10411194.3/9

asym_usl_mean vs Slug, Sign Corrected



Right In: 2578.490+/-502.039 χ^2/NDF: 12.9/19

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

Right Out: 1825.624+/-487.997 χ^2/NDF: 26.5/23

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

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

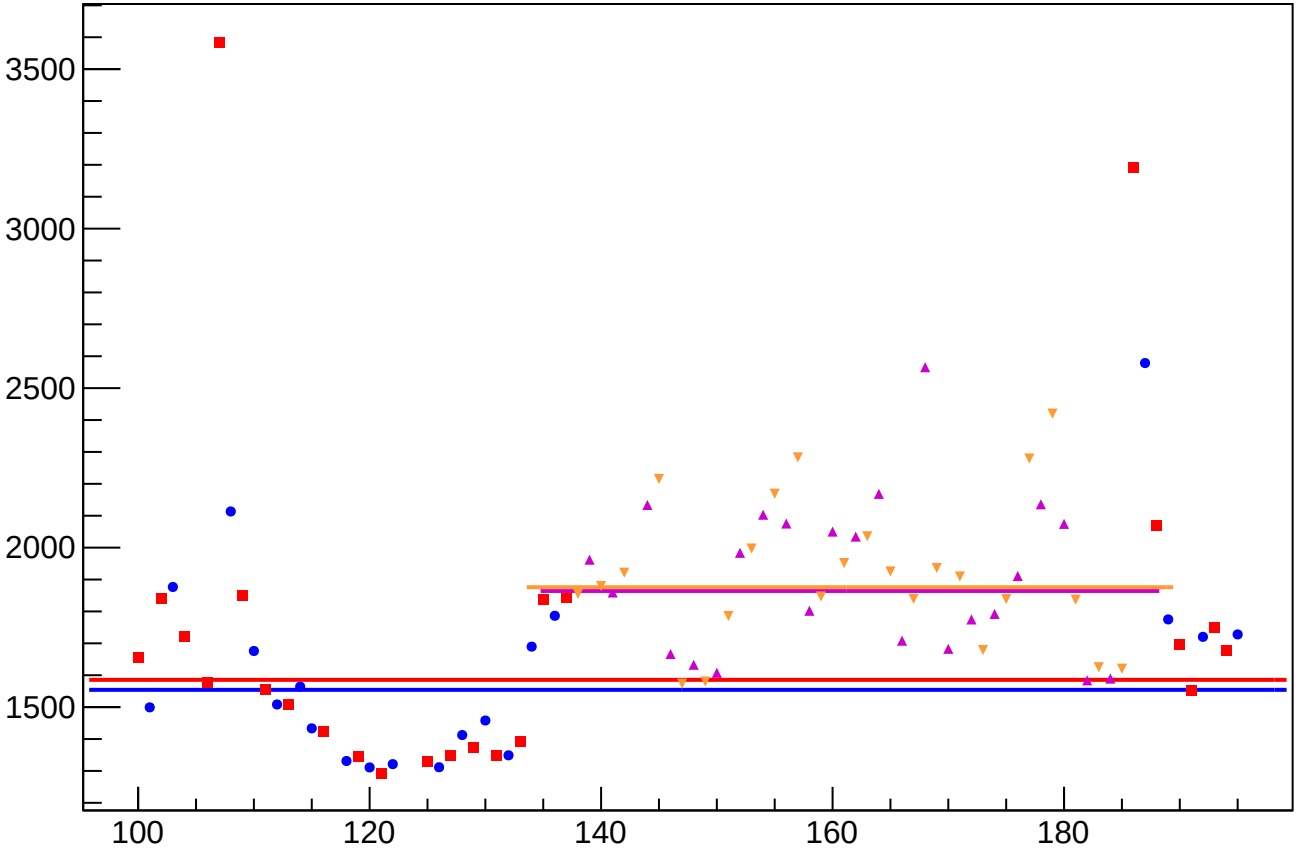
Right: 2191.381+/-349.925 χ^2/NDF: 40.6/43

In: 2135.360+/-330.535 χ^2/NDF:28.5/42

Out: 2081.952+/-326.507 χ^2/NDF:63.1/47

All: 2108.329+/-232.286 χ^2/NDF: 91.6/90

asym_usl_rms vs Slug, Sign Corrected



Right In: 1554.209+/-0.355 χ^2/NDF: 387943.4/19

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

Right Out: 1585.563+/-0.345 χ^2/NDF: 768079.8/23

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

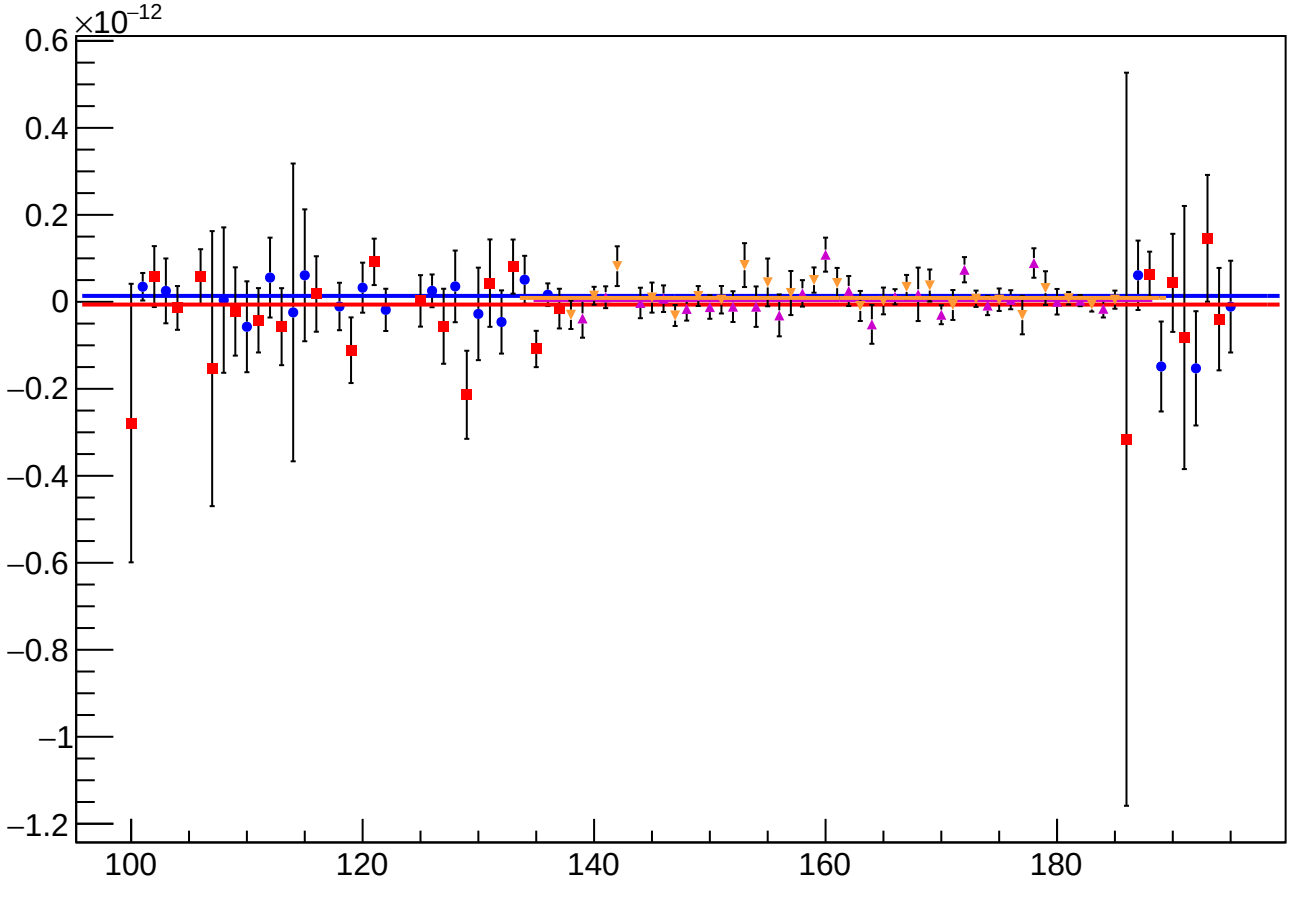
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1570.331+/-0.247 χ^2/NDF: 1160034.3/43

In: 1729.807+/-0.234 χ^2/NDF:1330430.4/42

Out: 1745.883+/-0.231 χ^2/NDF:1631441.7/47

All: 1737.943+/-0.164 χ^2/NDF: 2964266.5/90



Right In: 0.000+/-0.000 χ^2/NDF: 7.9/19

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

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

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

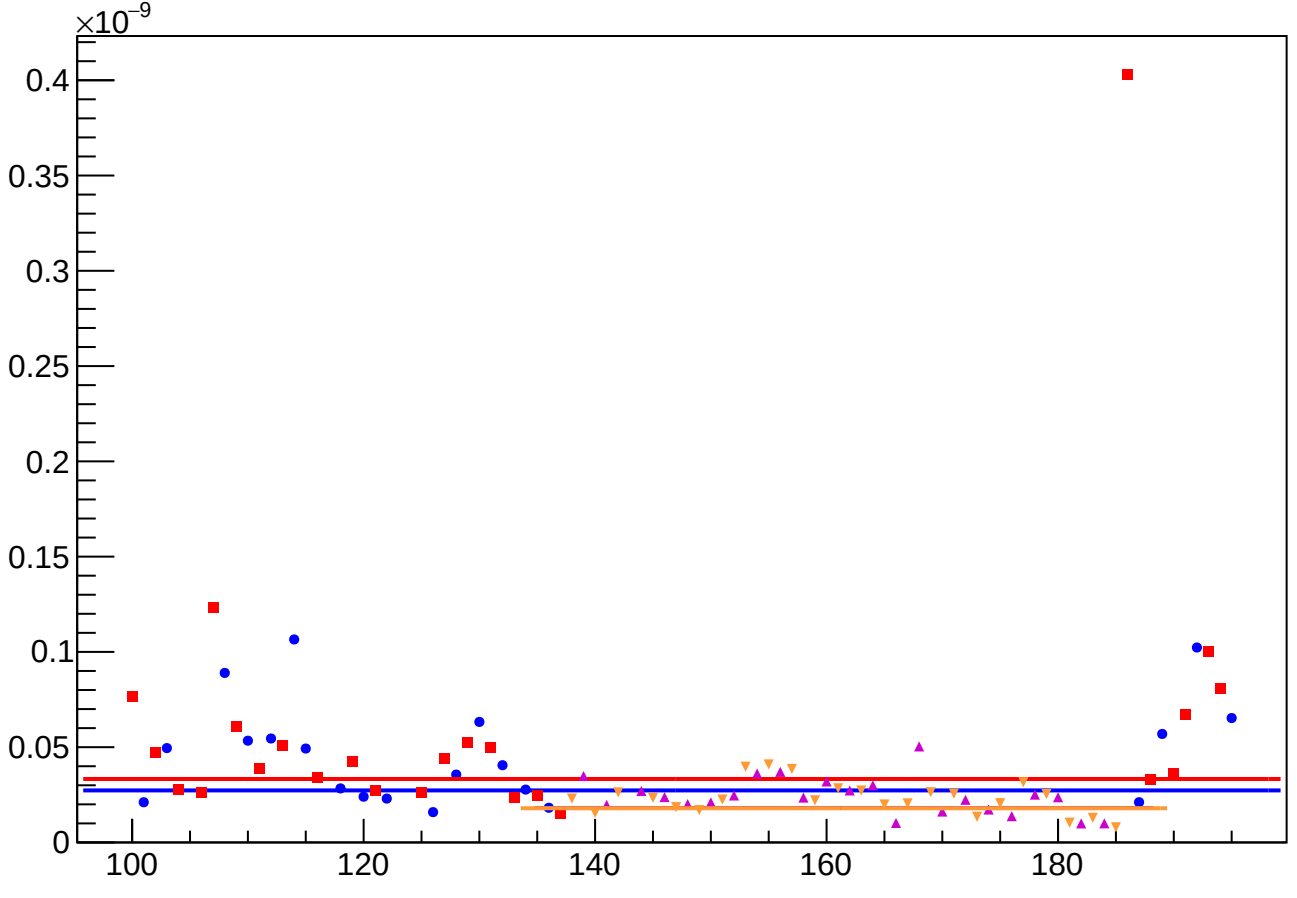
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 33.9/43

In: 0.000+/-0.000 χ^2/NDF:36.5/42

Out: 0.000+/-0.000 χ^2/NDF:42.5/47

All: 0.000+/-0.000 χ^2/NDF: 79.0/90



Right In: 0.000+/-0.000 χ^2/NDF: 2828719.2/19

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

Right Out: 0.000+/-0.000 χ^2/NDF: 2416860.8/23

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

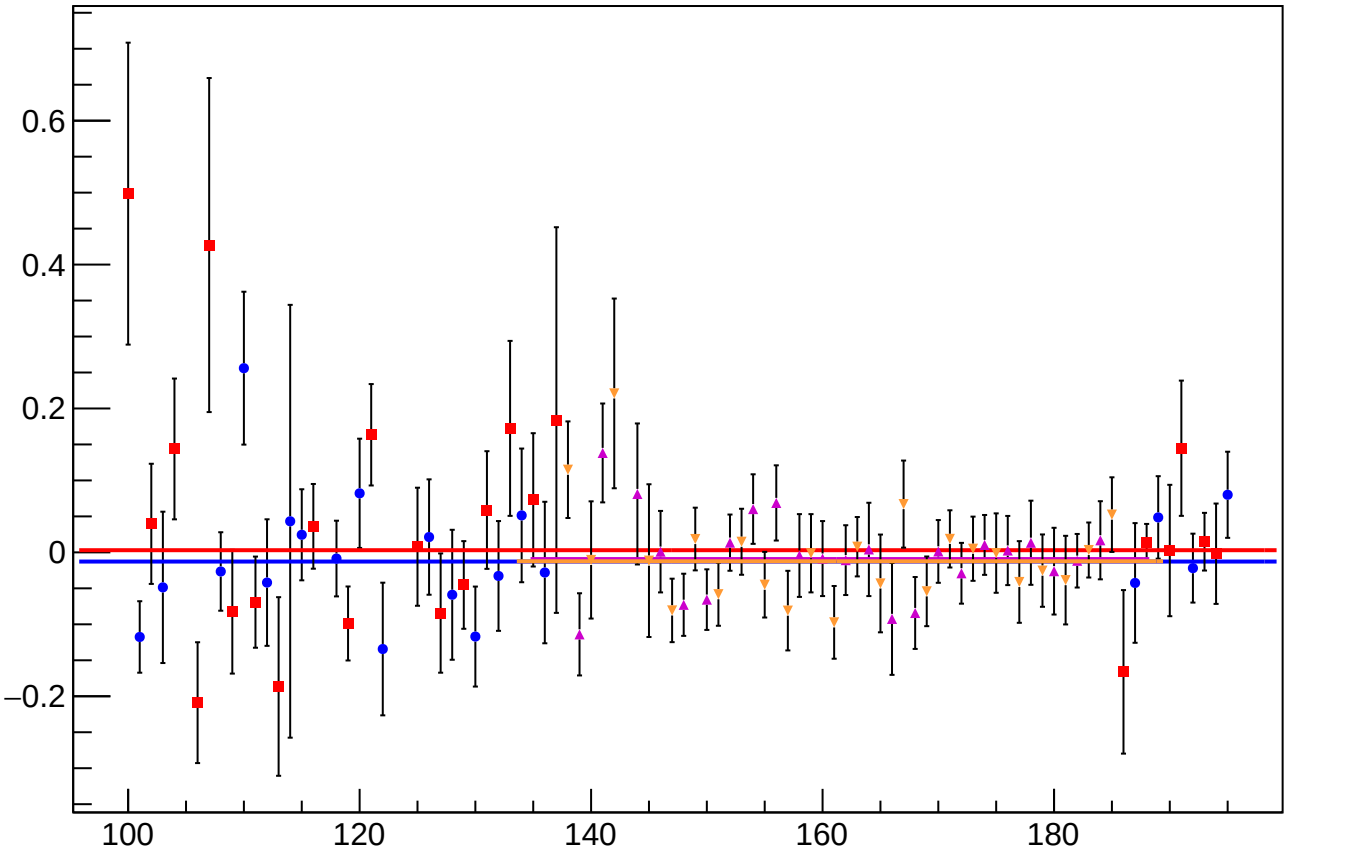
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 5427660.2/43

In: 0.000+/-0.000 χ^2/NDF:7861094.3/42

Out: 0.000+/-0.000 χ^2/NDF:7758504.3/47

All: 0.000+/-0.000 χ^2/NDF: 15622989.3/90



Right In: -0.013+/-0.016 χ^2/NDF: 21.8/19

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

Right Out: 0.003+/-0.014 χ^2/NDF: 41.5/23

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

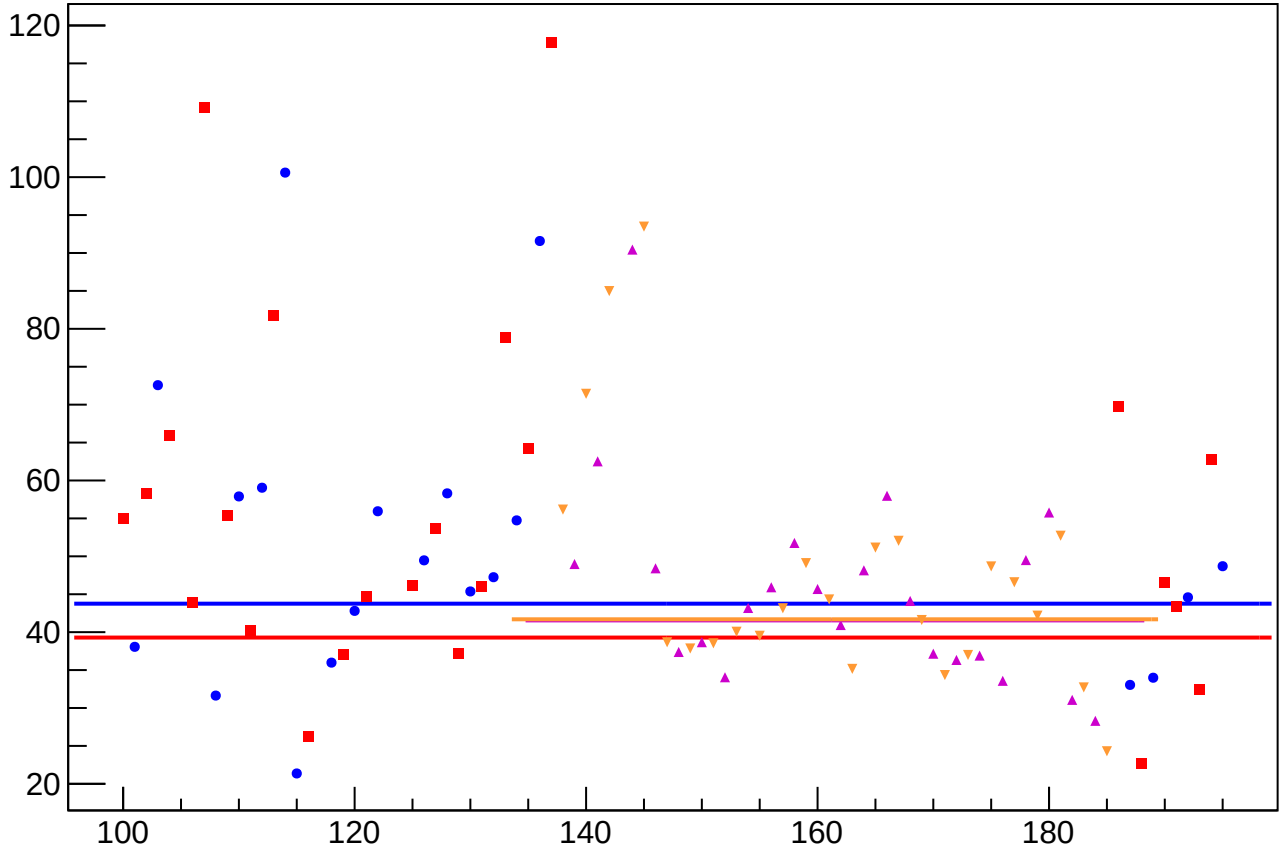
Right: -0.004+/-0.010 χ^2/NDF: 63.9/43

In: -0.010+/-0.009 χ^2/NDF:43.8/42

Out: -0.007+/-0.008 χ^2/NDF:64.2/47

All: -0.008+/-0.006 χ^2/NDF: 108.0/90

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.755+/-0.011 χ^2/NDF: 1445415.5/19

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2725002.4/23

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

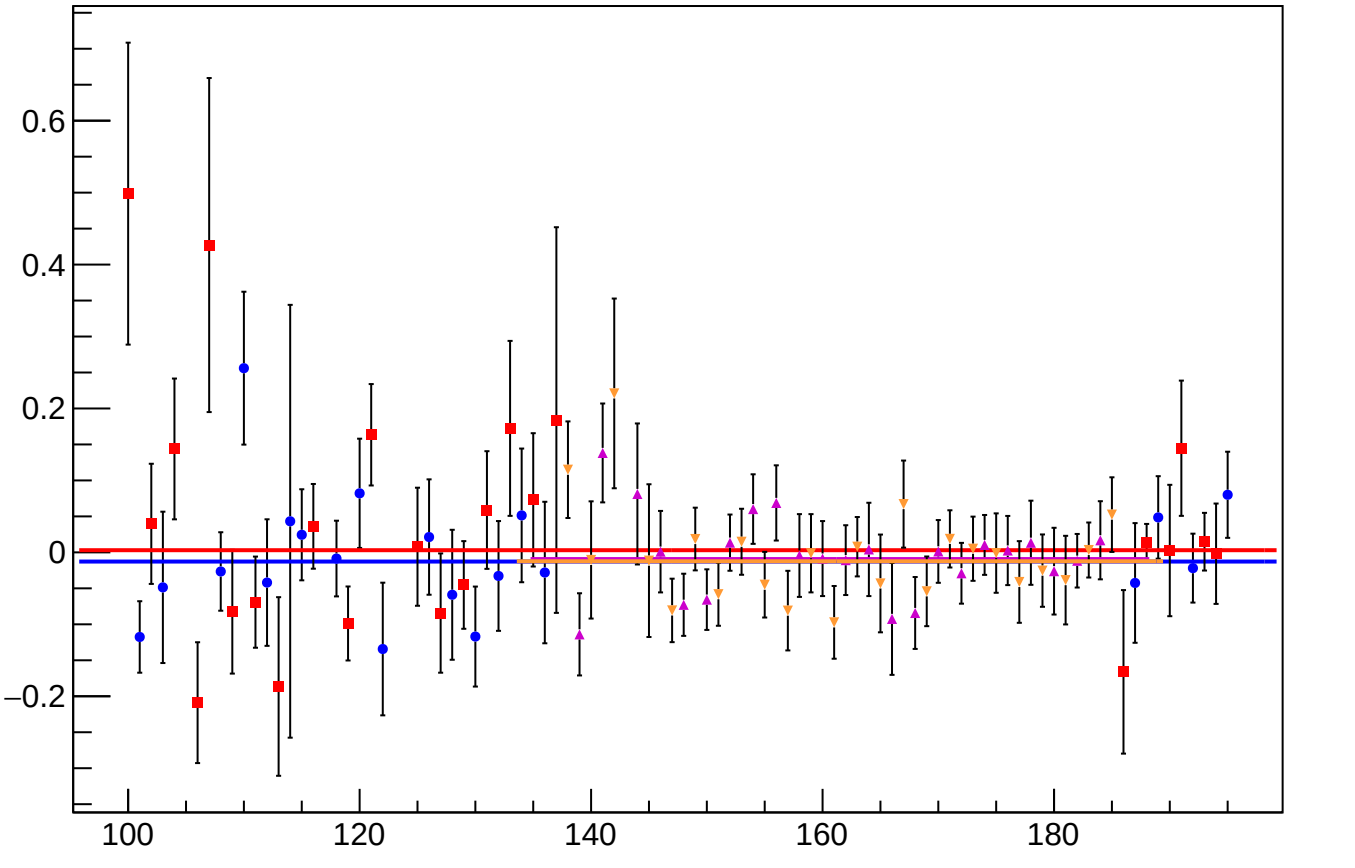
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 41.222+/-0.007 χ^2/NDF: 4261059.3/43

In: 42.224+/-0.006 χ^2/NDF:3085433.5/42

Out: 40.813+/-0.006 χ^2/NDF:4585325.1/47

All: 41.487+/-0.004 χ^2/NDF: 7697986.1/90



Right In: -0.013+/-0.016 χ^2/NDF: 21.8/19

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

Right Out: 0.003+/-0.014 χ^2/NDF: 41.5/23

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

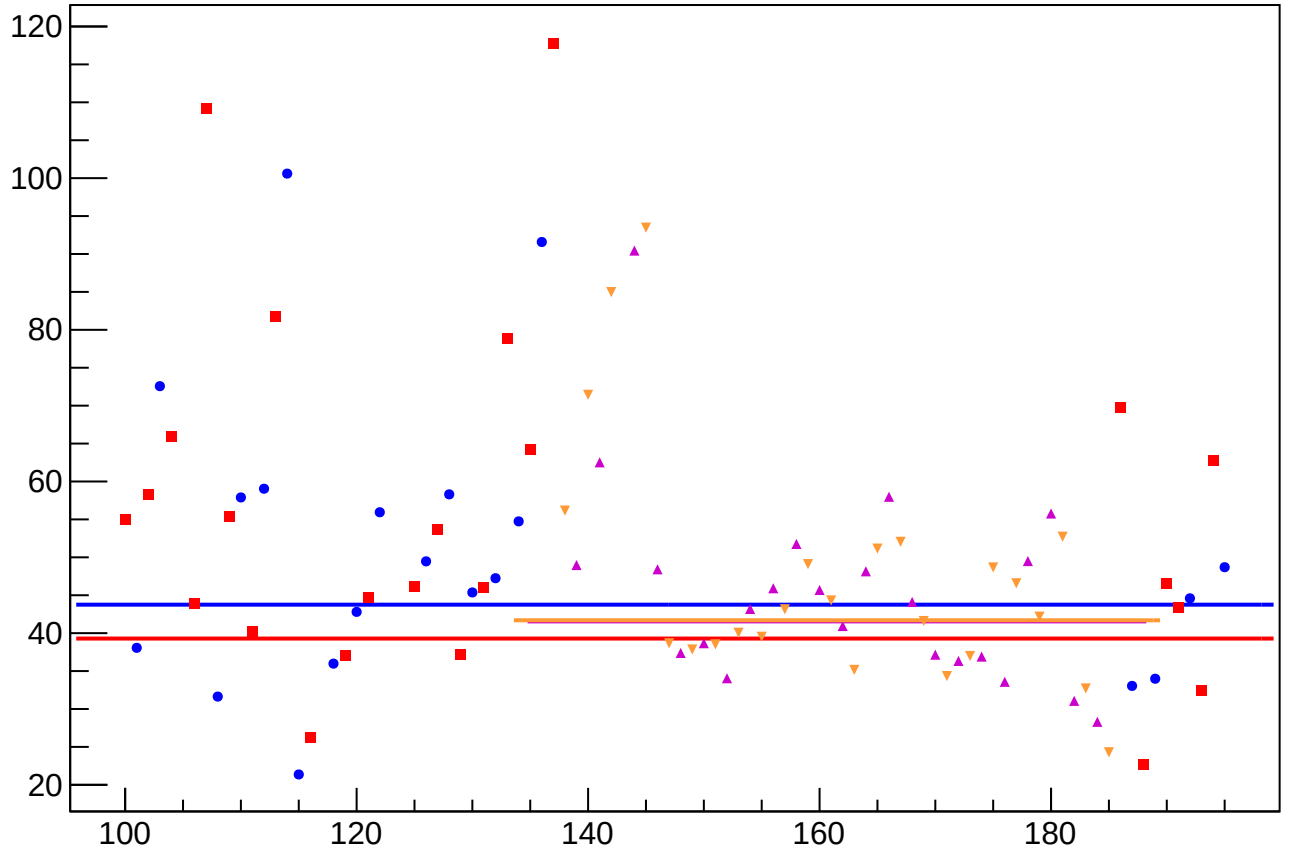
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.004+/-0.010 χ^2/NDF: 63.9/43

In: -0.010+/-0.009 χ^2/NDF:43.8/42

Out: -0.007+/-0.008 χ^2/NDF:64.2/47

All: -0.008+/-0.006 χ^2/NDF: 108.0/90



Right In: 43.755+/-0.011 χ^2/NDF: 1445415.5/19

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2725002.4/23

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

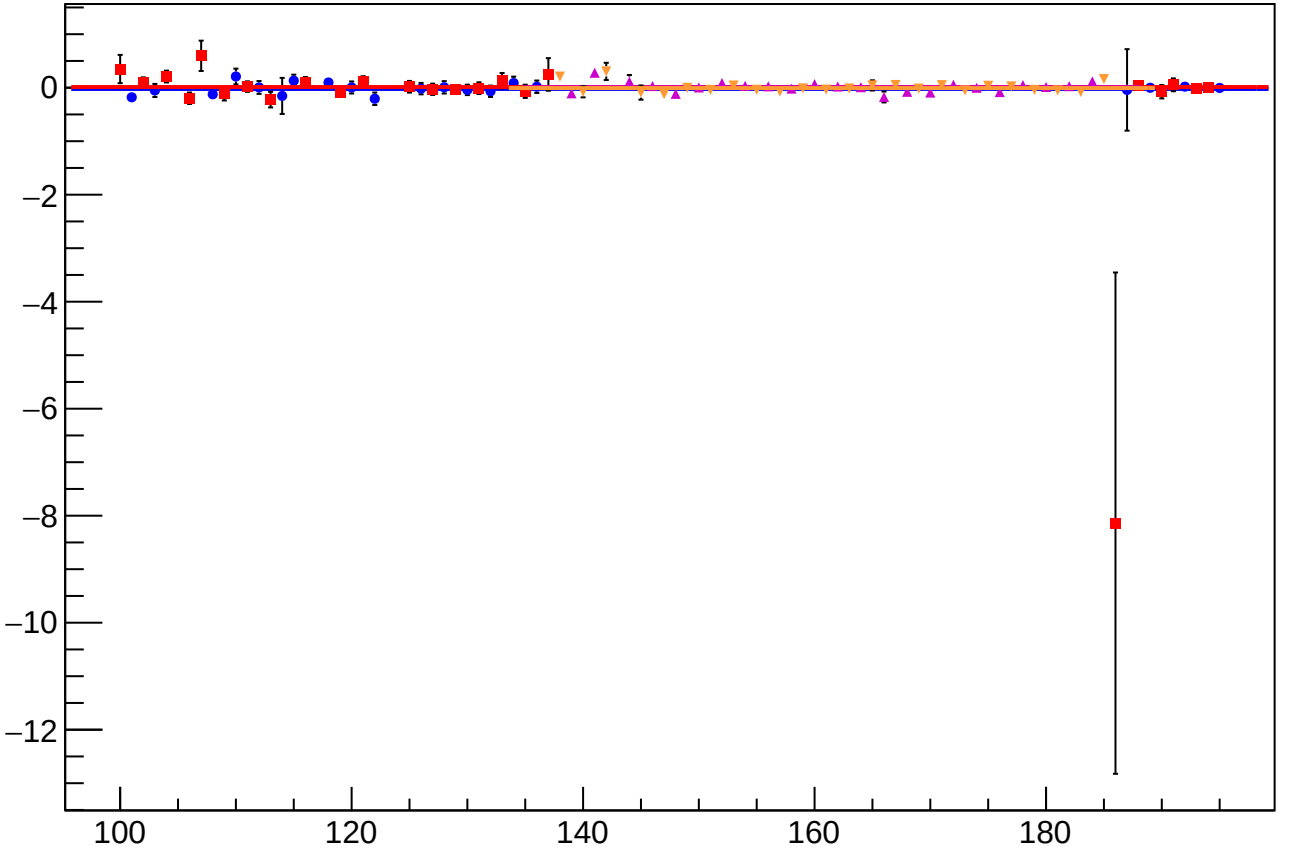
Right: 41.222+/-0.007 χ^2/NDF: 4261059.3/43

In: 42.224+/-0.006 χ^2/NDF:3085433.5/42

Out: 40.813+/-0.006 χ^2/NDF:4585325.1/47

All: 41.487+/-0.004 χ^2/NDF: 7697986.1/90

asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.022 χ^2/NDF: 18.2/19

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.012+/-0.021 χ^2/NDF: 26.8/23

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

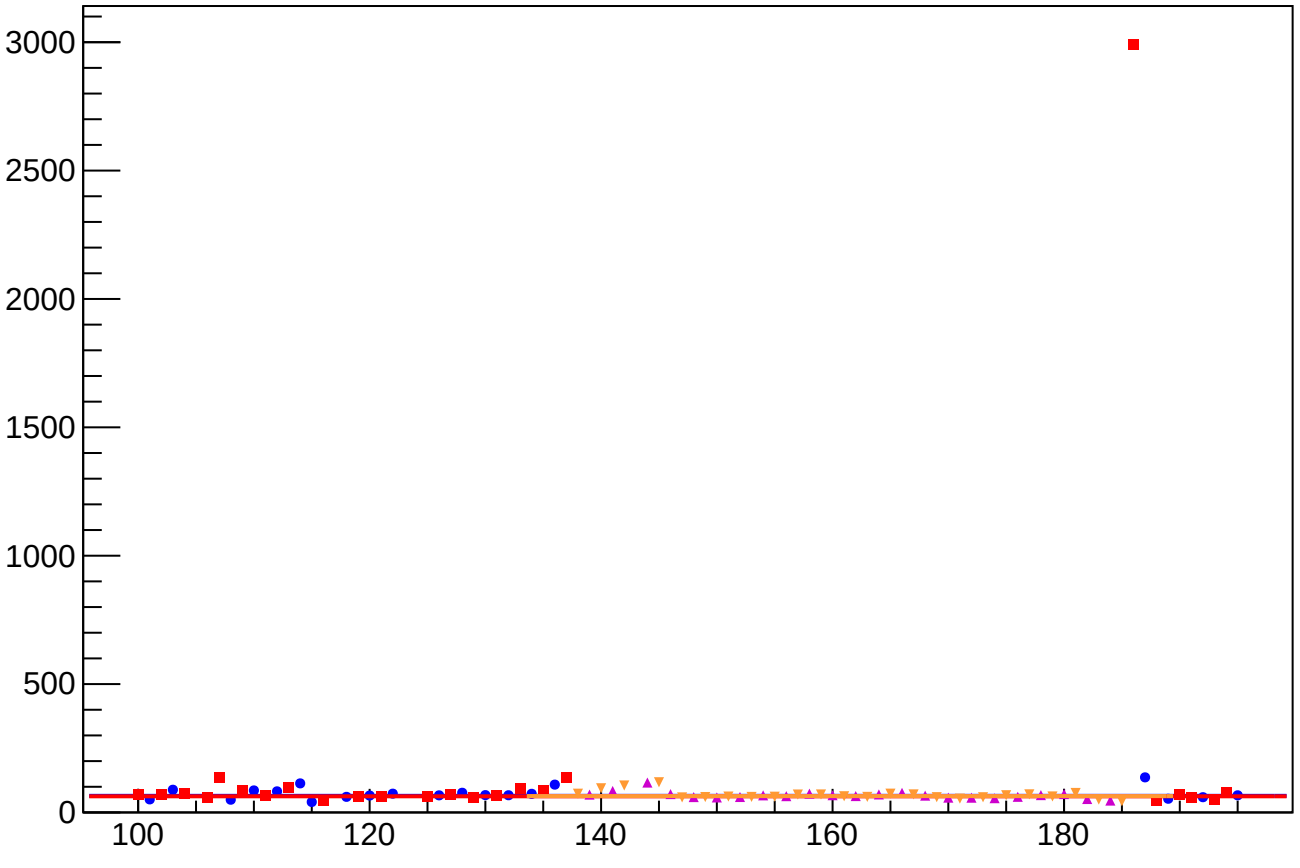
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.004+/-0.015 χ^2/NDF: 46.4/43

In: -0.002+/-0.013 χ^2/NDF:47.7/42

Out: 0.000+/-0.012 χ^2/NDF:51.0/47

All: -0.001+/-0.009 χ^2/NDF: 98.7/90



Right In: 64.721+/-0.016 χ^2/NDF: 846959.4/19

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 62.871+/-0.015 χ^2/NDF: 1858972.0/23

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

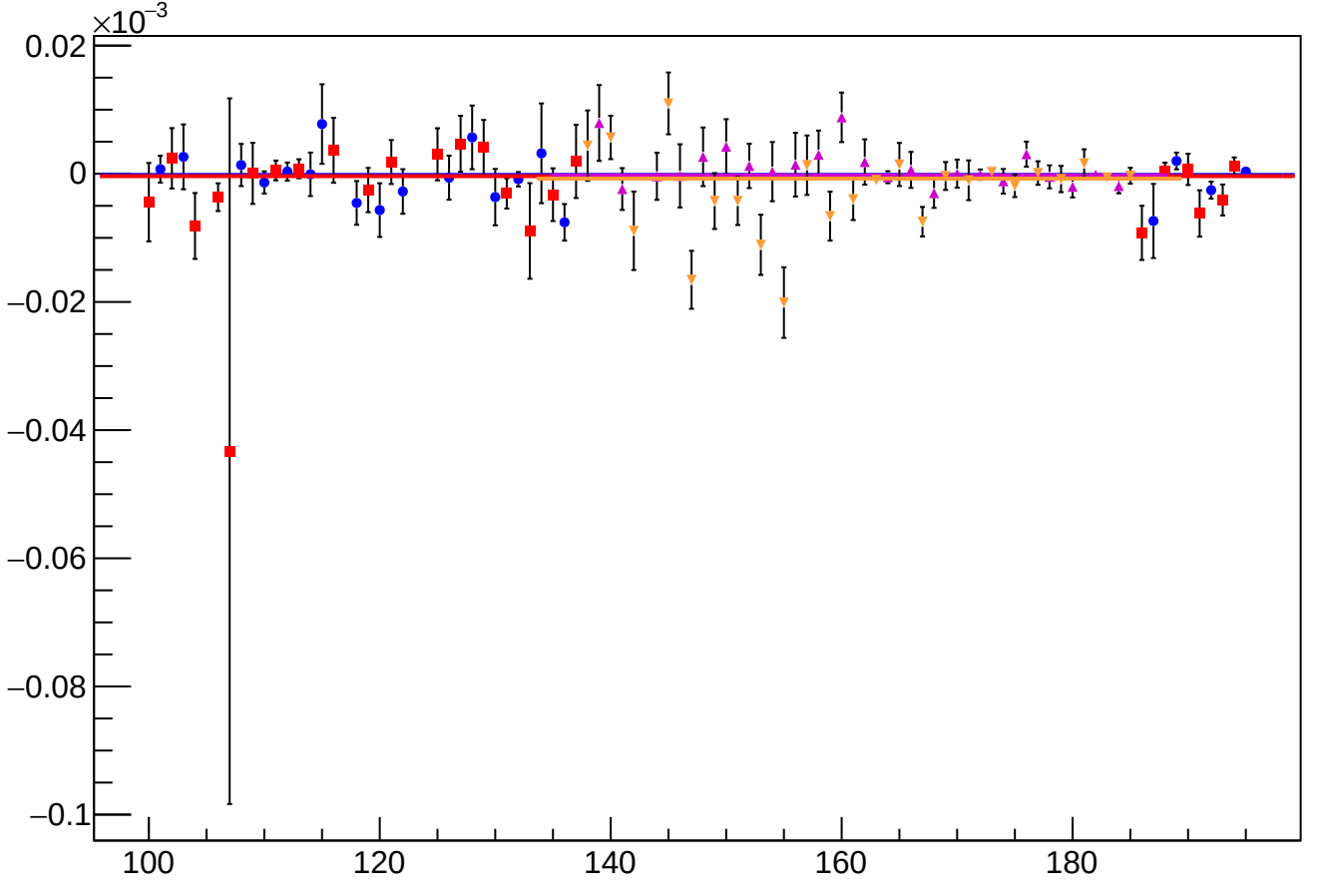
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 63.726+/-0.011 χ^2/NDF: 2713300.3/43

In: 64.258+/-0.009 χ^2/NDF:1687018.9/42

Out: 63.456+/-0.009 χ^2/NDF:2940266.8/47

All: 63.845+/-0.006 χ^2/NDF: 4631375.1/90



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/23

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

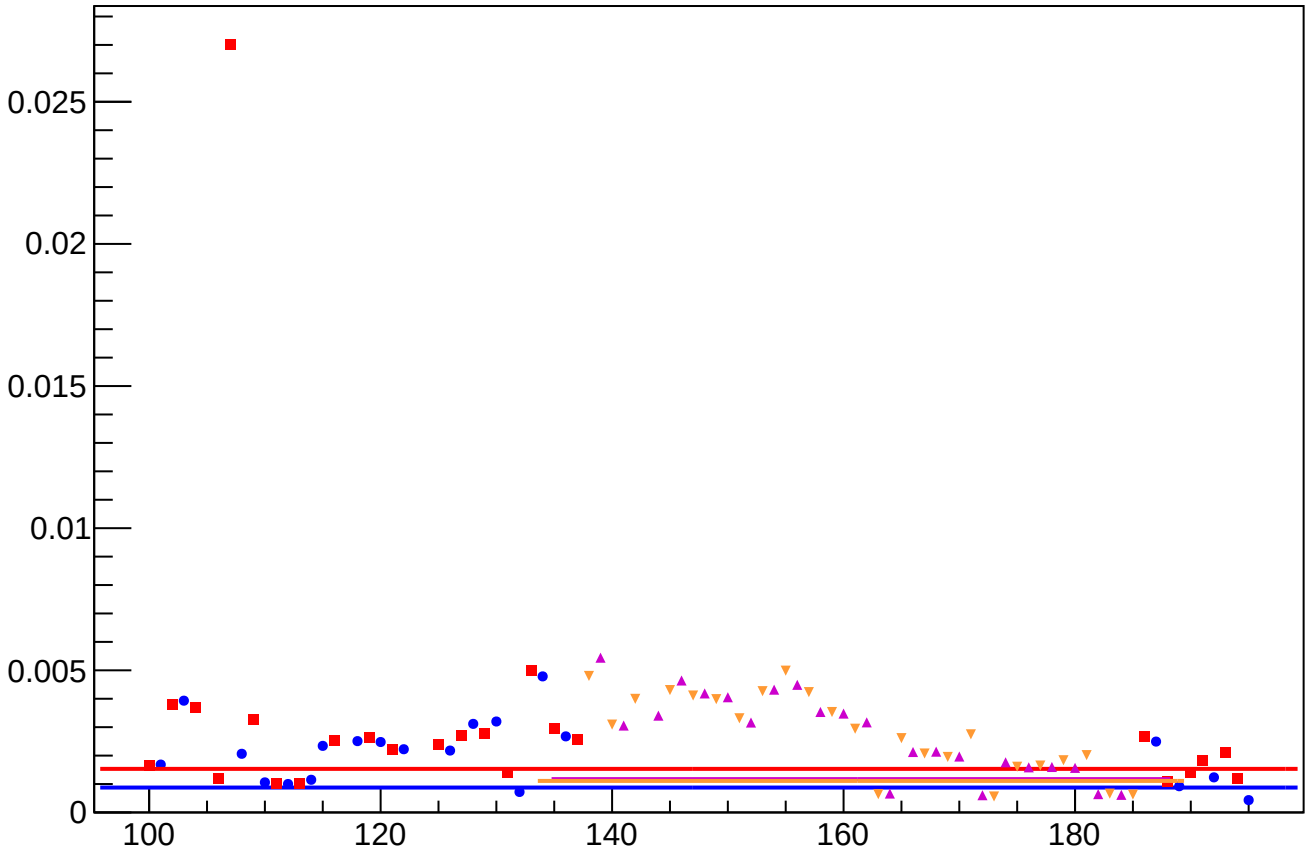
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 50.9/43

In: -0.000+/-0.000 χ^2/NDF:43.6/42

Out: -0.000+/-0.000 χ^2/NDF:86.4/47

All: -0.000+/-0.000 χ^2/NDF: 131.1/90



Right In: 0.001+/-0.000 χ^2/NDF: 6898635.5/19

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 4153871.4/23

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

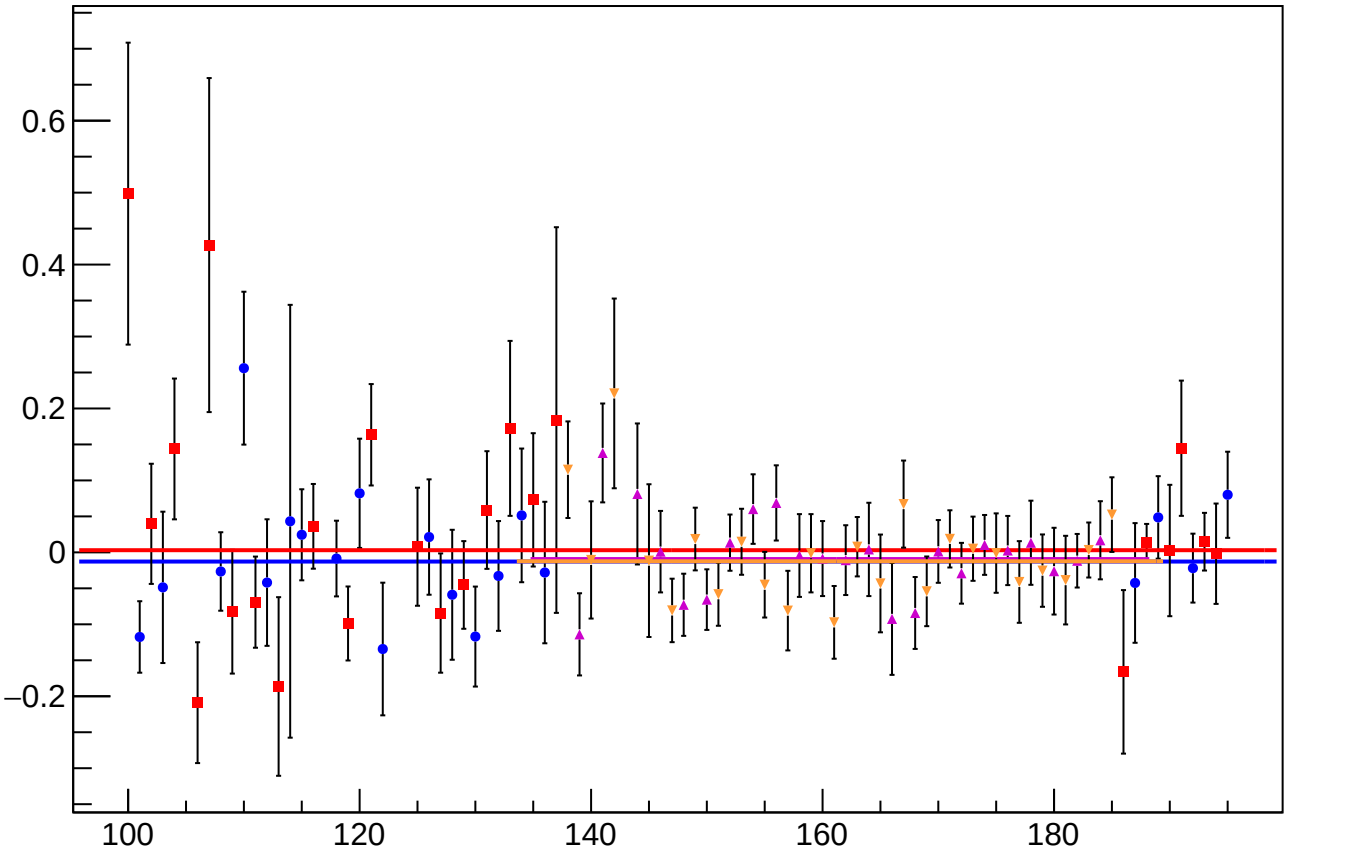
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 13132194.6/43

In: 0.001+/-0.000 χ^2/NDF:21829739.1/42

Out: 0.001+/-0.000 χ^2/NDF:20207709.1/47

All: 0.001+/-0.000 χ^2/NDF: 42620737.0/90



Right In: -0.013+/-0.016 χ^2/NDF: 21.8/19

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

Right Out: 0.003+/-0.014 χ^2/NDF: 41.5/23

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

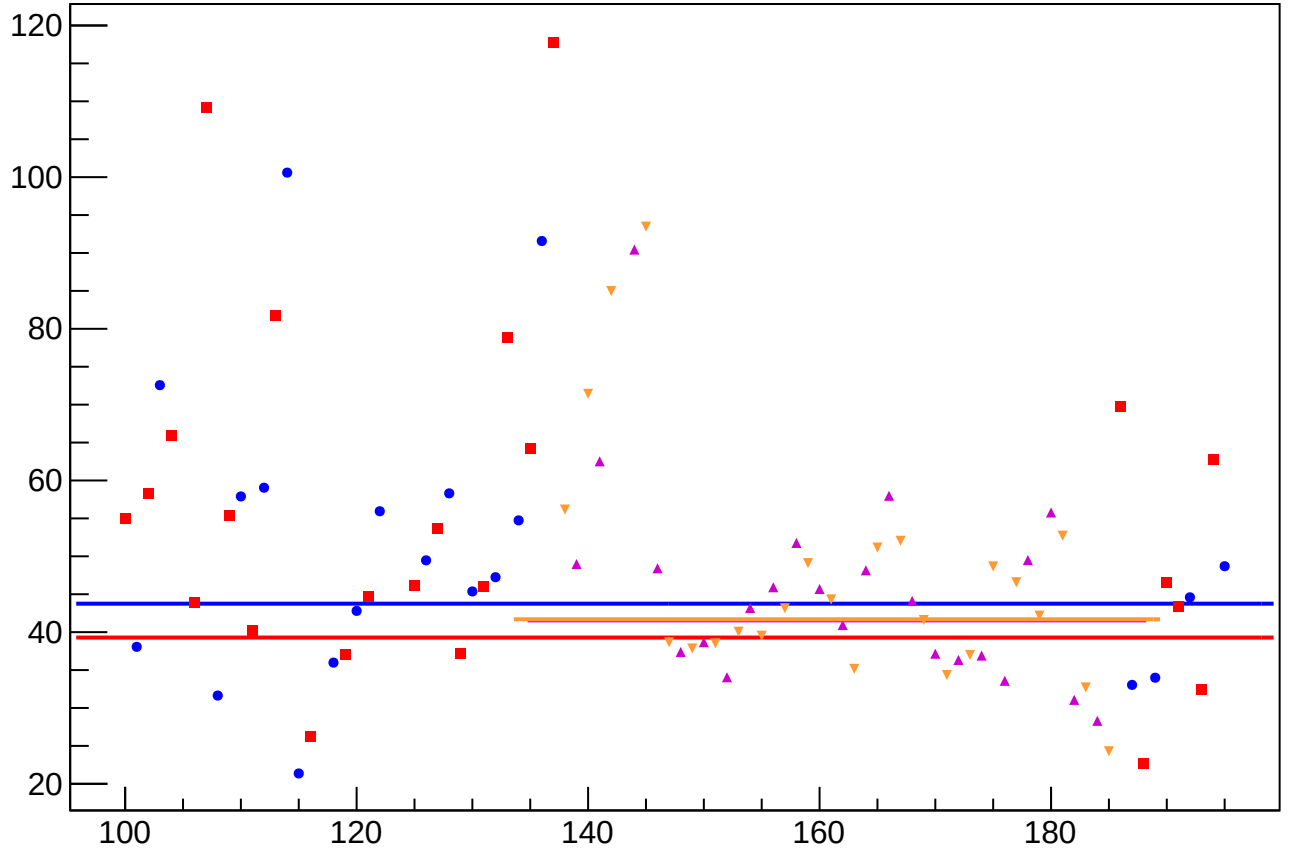
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.004+/-0.010 χ^2/NDF: 63.9/43

In: -0.010+/-0.009 χ^2/NDF:43.7/42

Out: -0.007+/-0.008 χ^2/NDF:64.2/47

All: -0.008+/-0.006 χ^2/NDF: 108.0/90



Right In: 43.755+/-0.011 χ^2/NDF: 1445467.0/19

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2724823.3/23

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

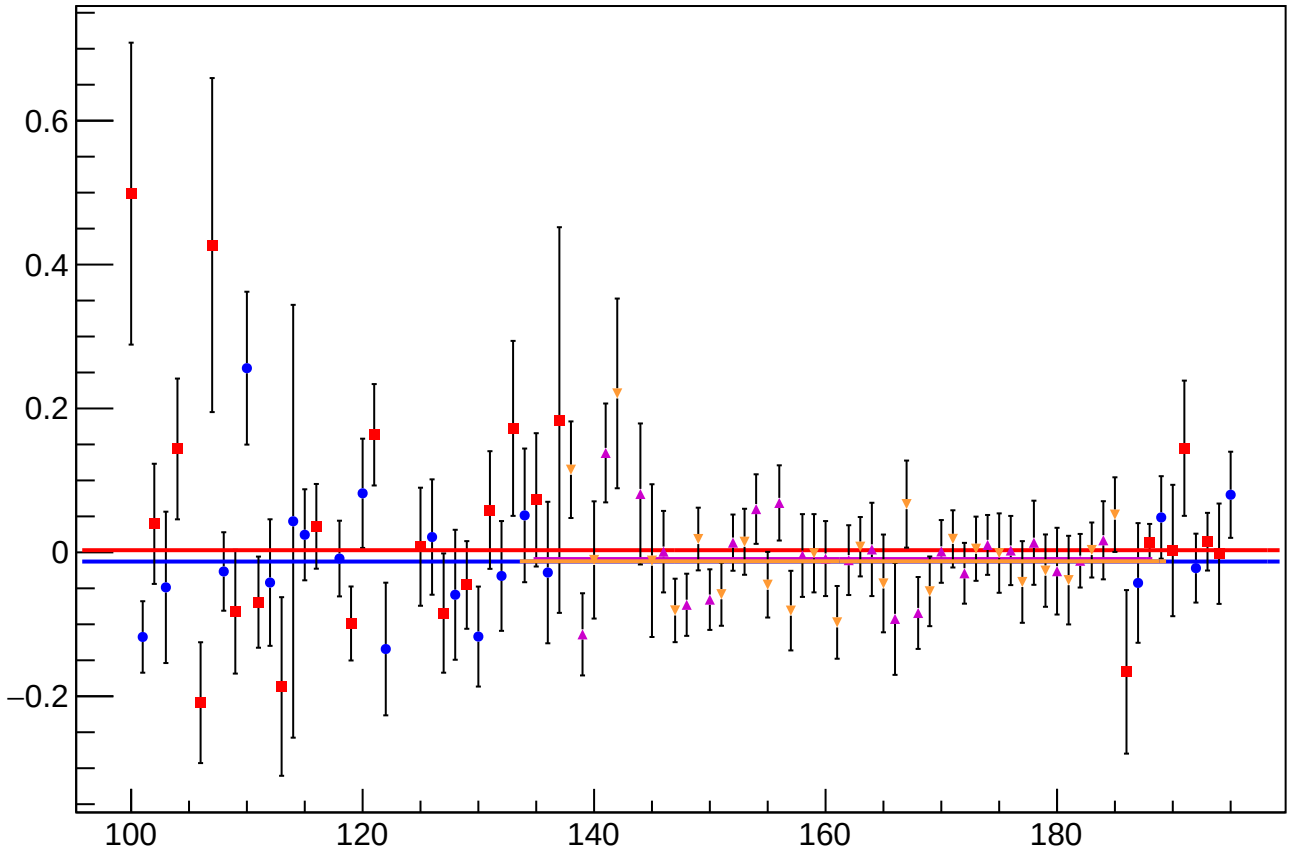
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 41.222+/-0.007 χ^2/NDF: 4260900.7/43

In: 42.224+/-0.006 χ^2/NDF:3085424.1/42

Out: 40.814+/-0.006 χ^2/NDF:4585108.7/47

All: 41.487+/-0.004 χ^2/NDF: 7697755.7/90



Right In: -0.013+/-0.016 χ^2/NDF: 21.8/19

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

Right Out: 0.003+/-0.014 χ^2/NDF: 41.5/23

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

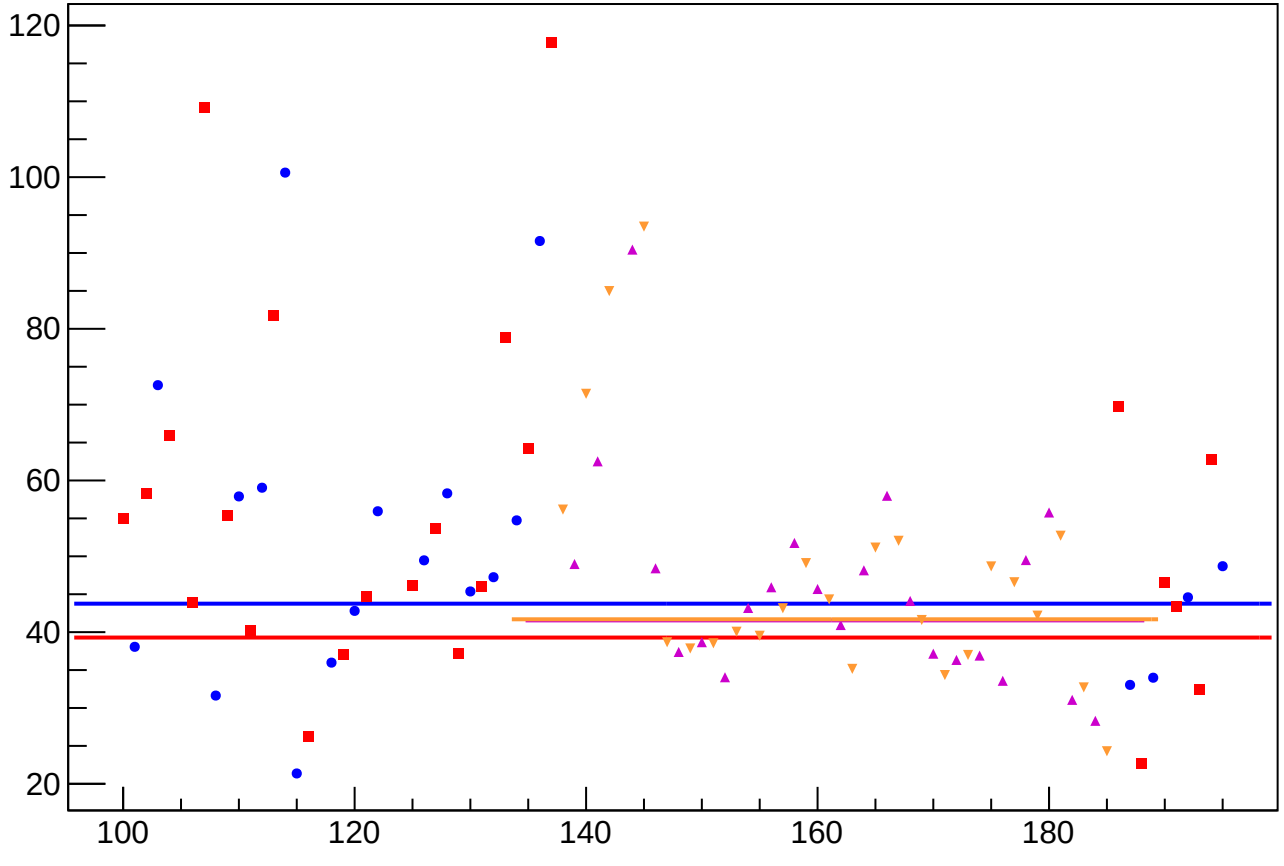
Right: -0.004+/-0.010 χ^2/NDF: 63.9/43

In: -0.010+/-0.009 χ^2/NDF:43.7/42

Out: -0.007+/-0.008 χ^2/NDF:64.2/47

All: -0.008+/-0.006 χ^2/NDF: 108.0/90

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.755+/-0.011 χ^2/NDF: 1445467.0/19

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2724823.3/23

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

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

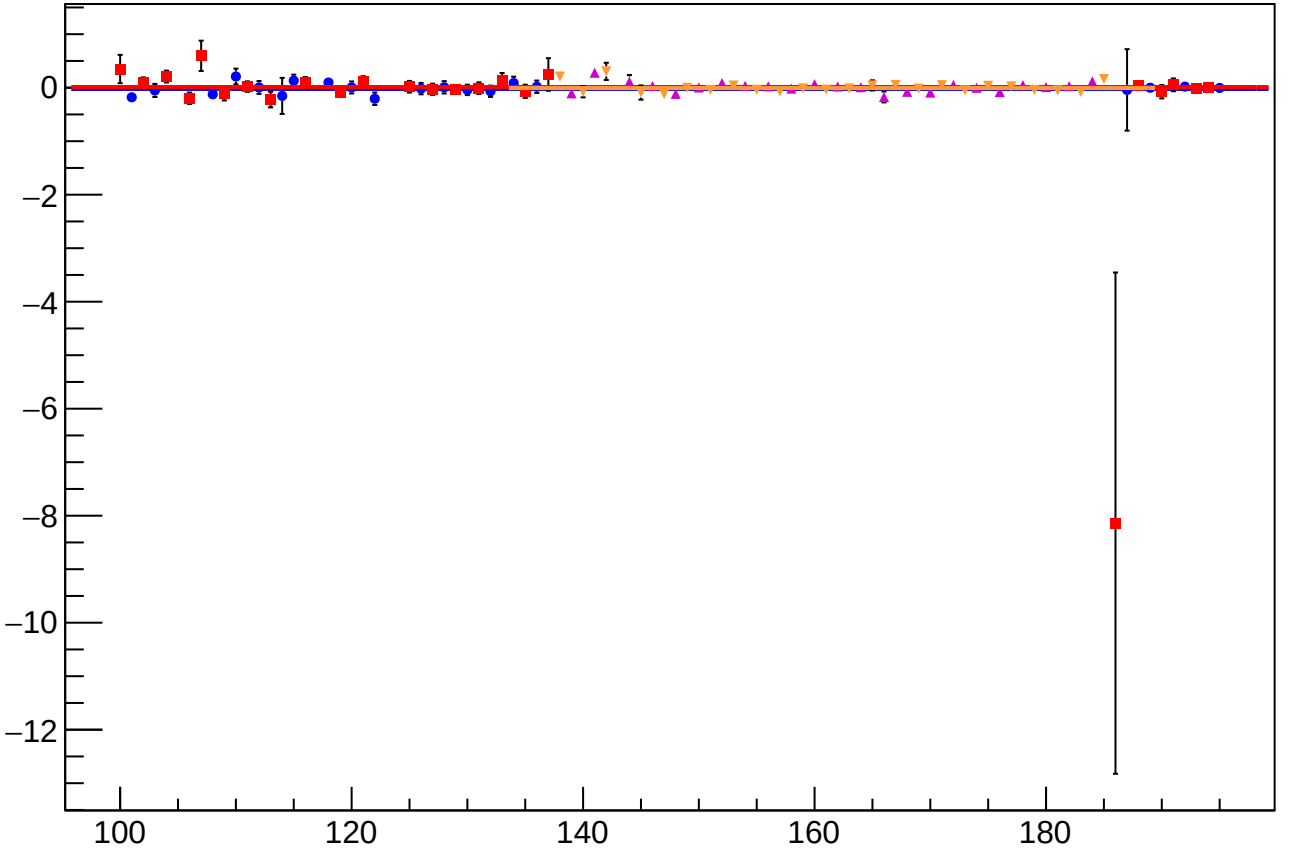
Right: 41.222+/-0.007 χ^2/NDF: 4260900.7/43

In: 42.224+/-0.006 χ^2/NDF:3085424.1/42

Out: 40.814+/-0.006 χ^2/NDF:4585108.7/47

All: 41.487+/-0.004 χ^2/NDF: 7697755.7/90

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.022 χ^2/NDF: 18.2/19

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.012+/-0.021 χ^2/NDF: 26.8/23

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

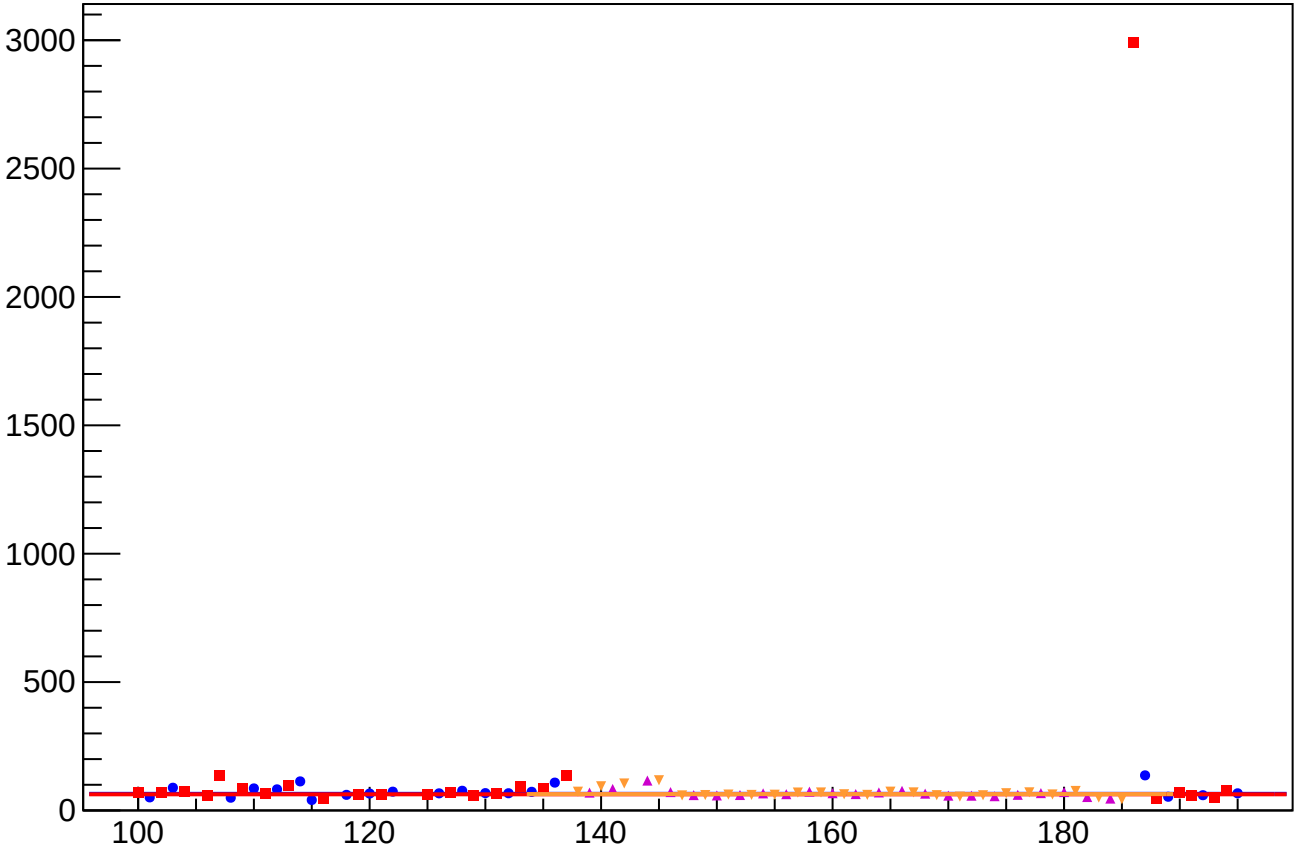
Right: -0.004+/-0.015 χ^2/NDF: 46.4/43

In: -0.002+/-0.013 χ^2/NDF:47.7/42

Out: 0.000+/-0.012 χ^2/NDF:51.0/47

All: -0.001+/-0.009 χ^2/NDF: 98.7/90

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.721+/-0.016 χ^2/NDF: 846961.5/19

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 62.870+/-0.015 χ^2/NDF: 1858942.2/23

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

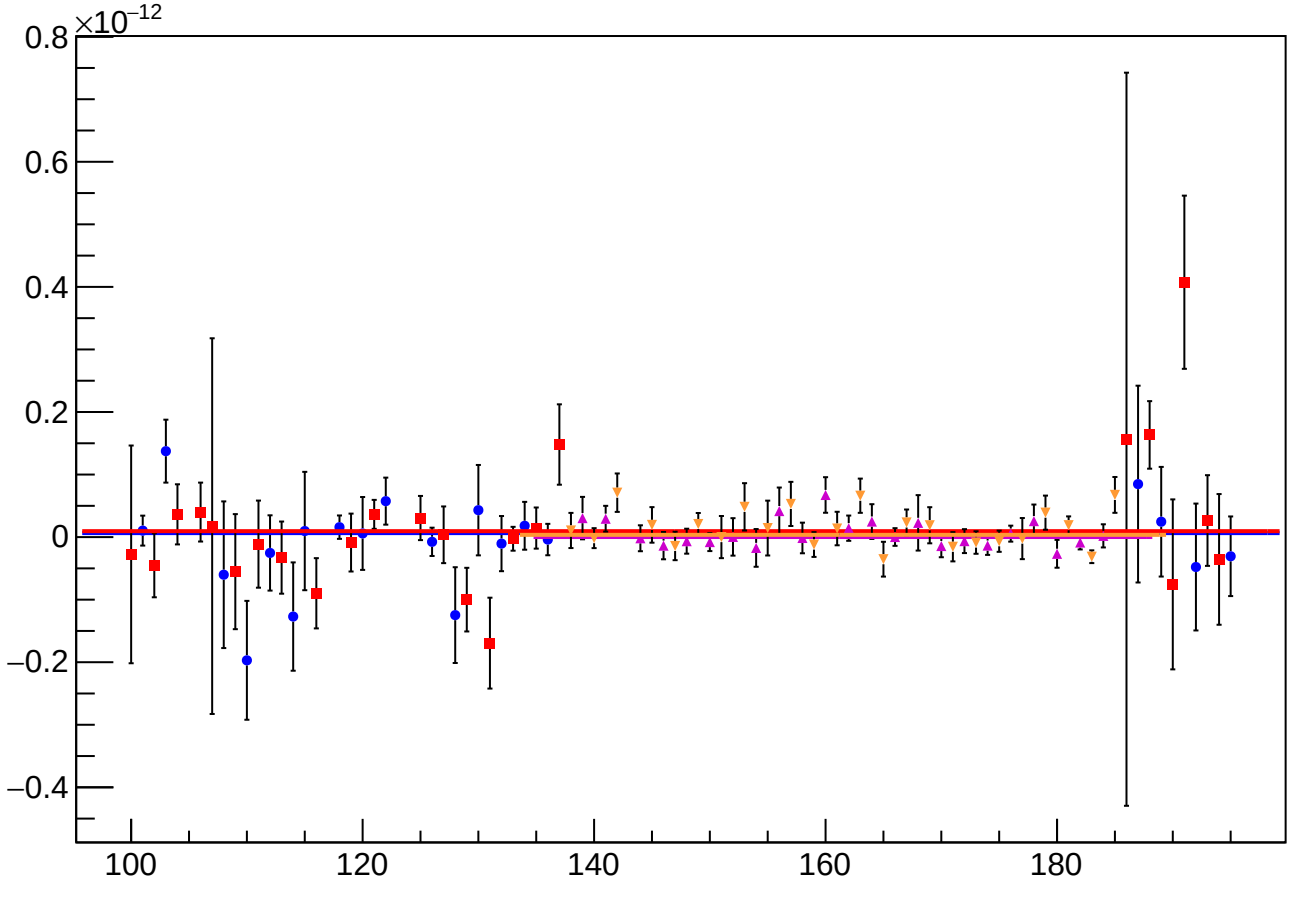
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

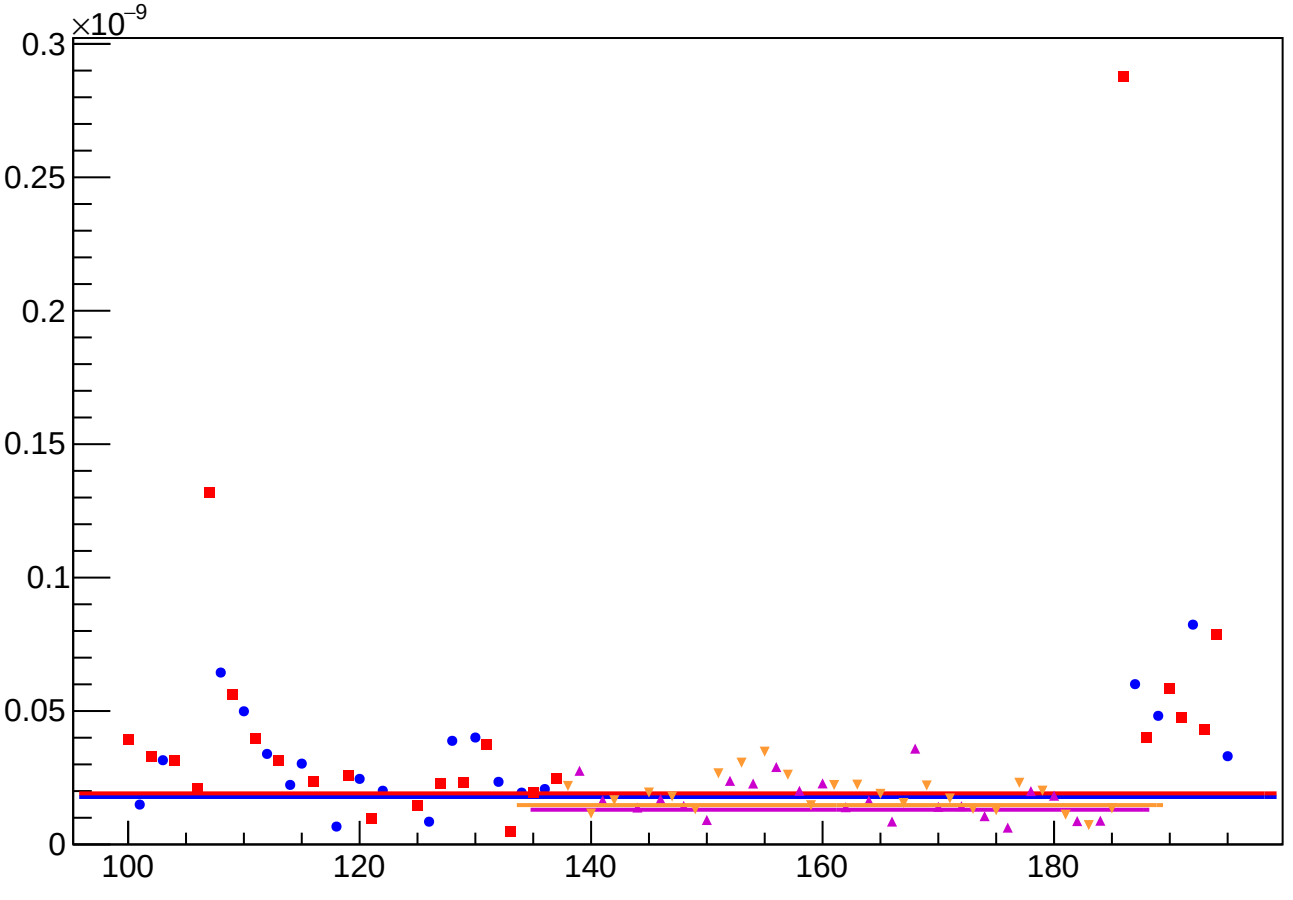
Right: 63.726+/-0.011 χ^2/NDF: 2713272.9/43

In: 64.258+/-0.009 χ^2/NDF:1687014.4/42

Out: 63.456+/-0.009 χ^2/NDF:2940227.0/47

All: 63.845+/-0.006 χ^2/NDF: 4631331.5/90


asym_usl_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 21.4/19
Left Out: 0.000+/-0.000 χ²/NDF:40.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 40.9/23
Left In: 0.000+/-0.000 χ²/NDF:17.1/22
Left: 0.000+/-0.000 χ²/NDF: 58.0/46
Right: 0.000+/-0.000 χ²/NDF: 62.3/43
In: 0.000+/-0.000 χ²/NDF:38.9/42
Out: 0.000+/-0.000 χ²/NDF:81.8/47
All: 0.000+/-0.000 χ²/NDF: 121.1/90



Right In: 0.000+/-0.000 χ^2/NDF: 3699069.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4713638.6/23

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

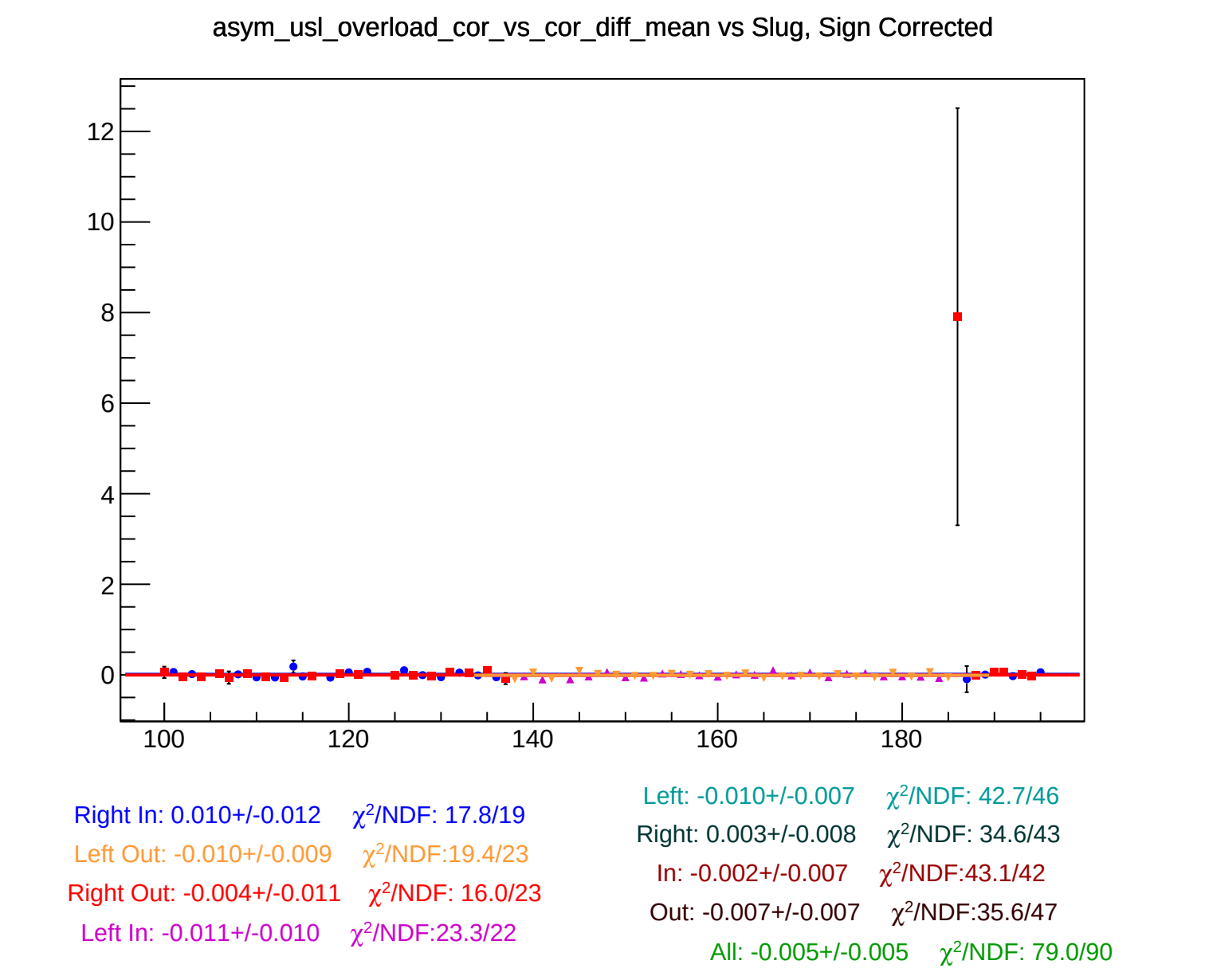
Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

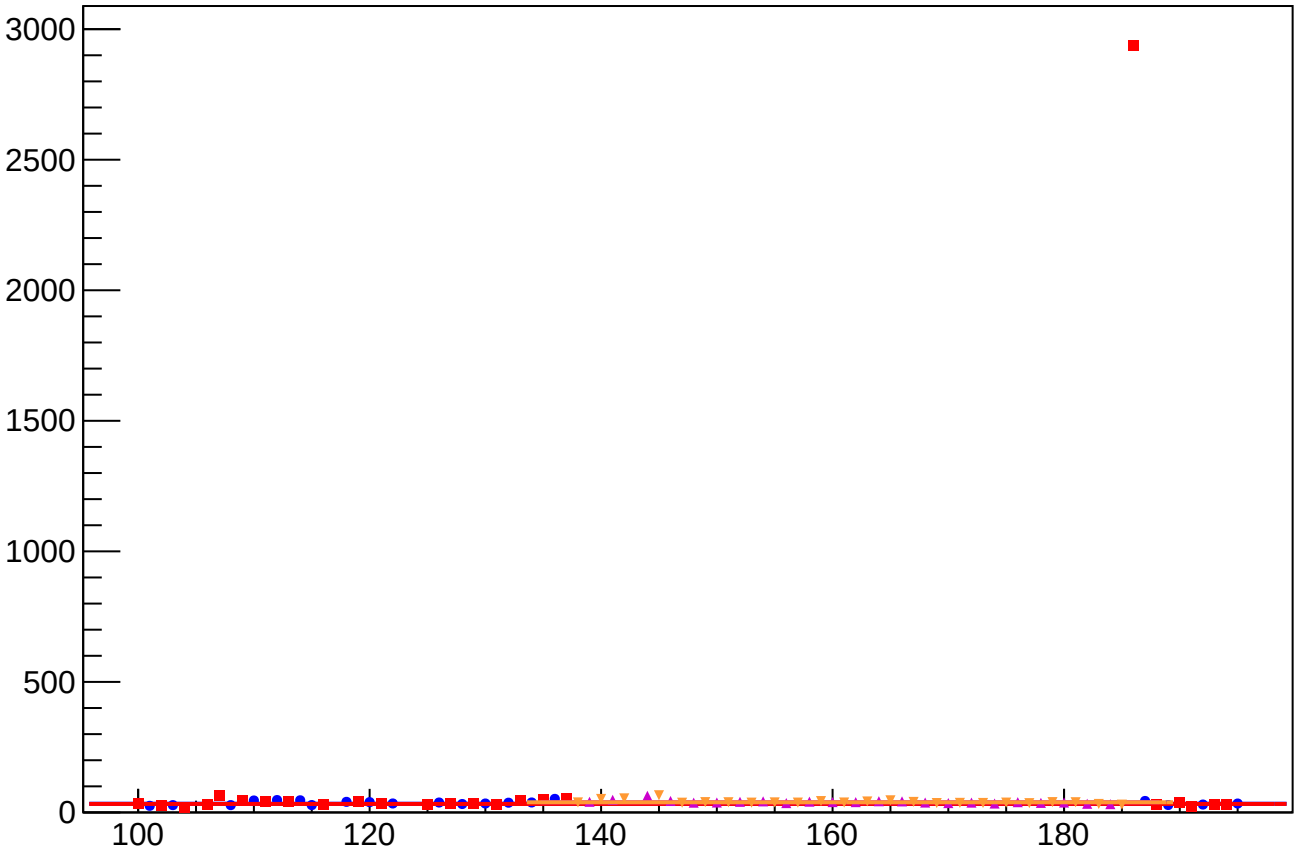
Right: 0.000+/-0.000 χ^2/NDF: 8434020.9/43

In: 0.000+/-0.000 χ^2/NDF:8093316.5/42

Out: 0.000+/-0.000 χ^2/NDF:8598248.9/47

All: 0.000+/-0.000 χ^2/NDF: 16889250.7/90


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
12
10
8
6
4
2
0
100
120
140
160
180
Right In: 0.010+/-0.012 χ²/NDF: 17.8/19
Left Out: -0.010+/-0.009 χ²/NDF:19.4/23
Right Out: -0.004+/-0.011 χ²/NDF: 16.0/23
Left In: -0.011+/-0.010 χ²/NDF:23.3/22
Left: -0.010+/-0.007 χ²/NDF: 42.7/46
Right: 0.003+/-0.008 χ²/NDF: 34.6/43
In: -0.002+/-0.007 χ²/NDF:43.1/42
Out: -0.007+/-0.007 χ²/NDF:35.6/47
All: -0.005+/-0.005 χ²/NDF: 79.0/90



Right In: 33.394+/-0.008 χ^2/NDF: 688757.9/19

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.612+/-0.008 χ^2/NDF: 1804206.0/23

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

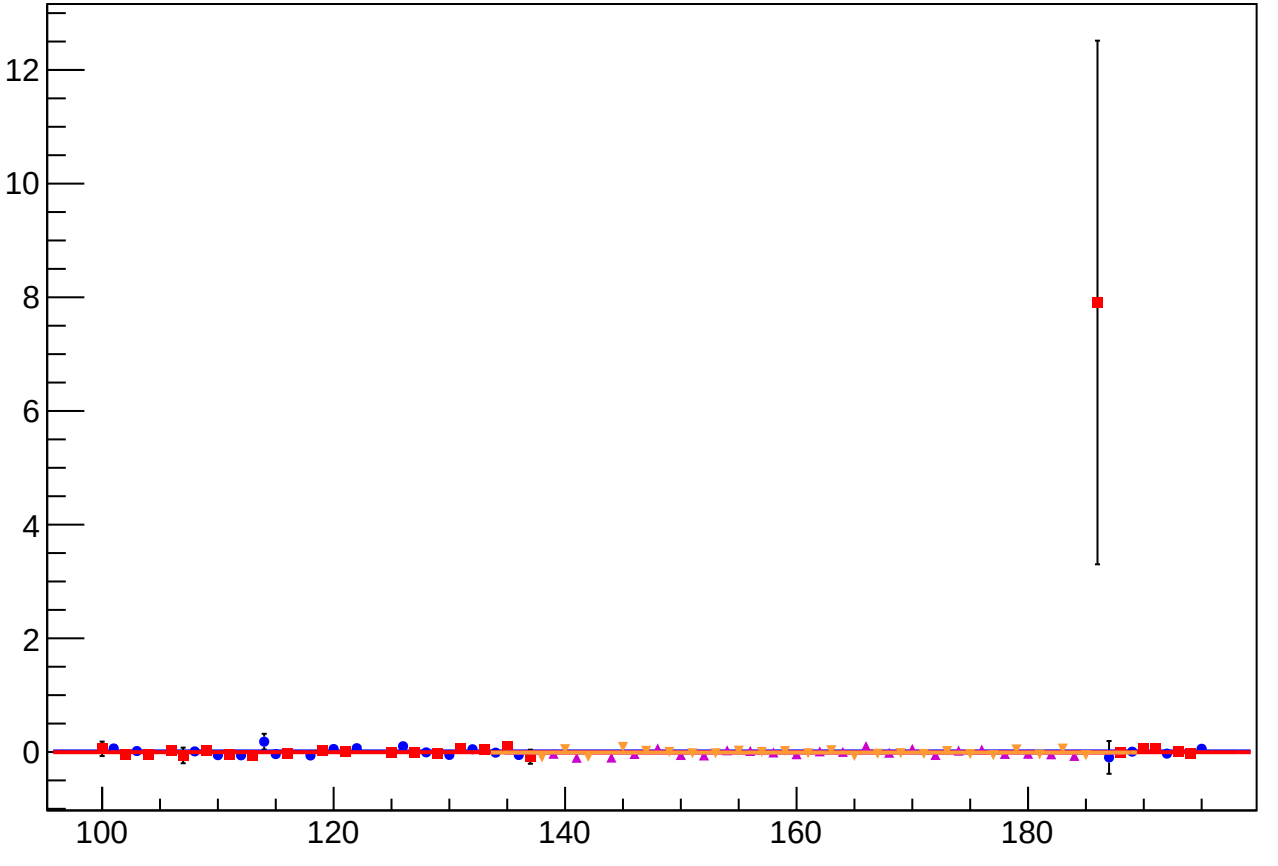
Right: 32.977+/-0.006 χ^2/NDF: 2497881.1/43

In: 36.816+/-0.005 χ^2/NDF:1509640.3/42

Out: 36.203+/-0.005 χ^2/NDF:2821970.0/47

All: 36.500+/-0.004 χ^2/NDF: 4338793.1/90

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.012 χ^2/NDF: 17.8/19

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.004+/-0.011 χ^2/NDF: 16.0/23

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

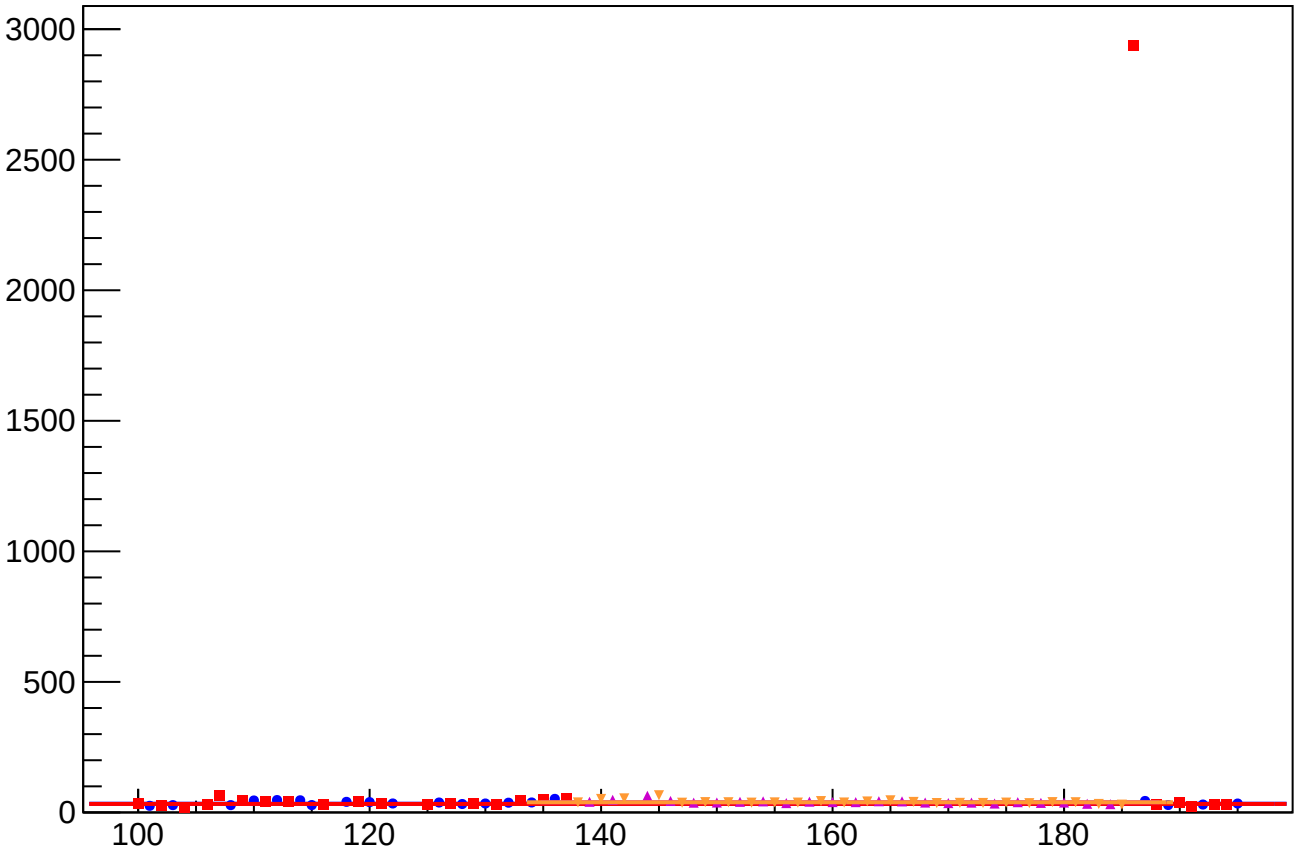
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.003+/-0.008 χ^2/NDF: 34.6/43

In: -0.002+/-0.007 χ^2/NDF:43.1/42

Out: -0.007+/-0.007 χ^2/NDF:35.6/47

All: -0.005+/-0.005 χ^2/NDF: 79.0/90



Right In: 33.394+/-0.008 χ^2/NDF: 688757.9/19

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.612+/-0.008 χ^2/NDF: 1804206.0/23

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

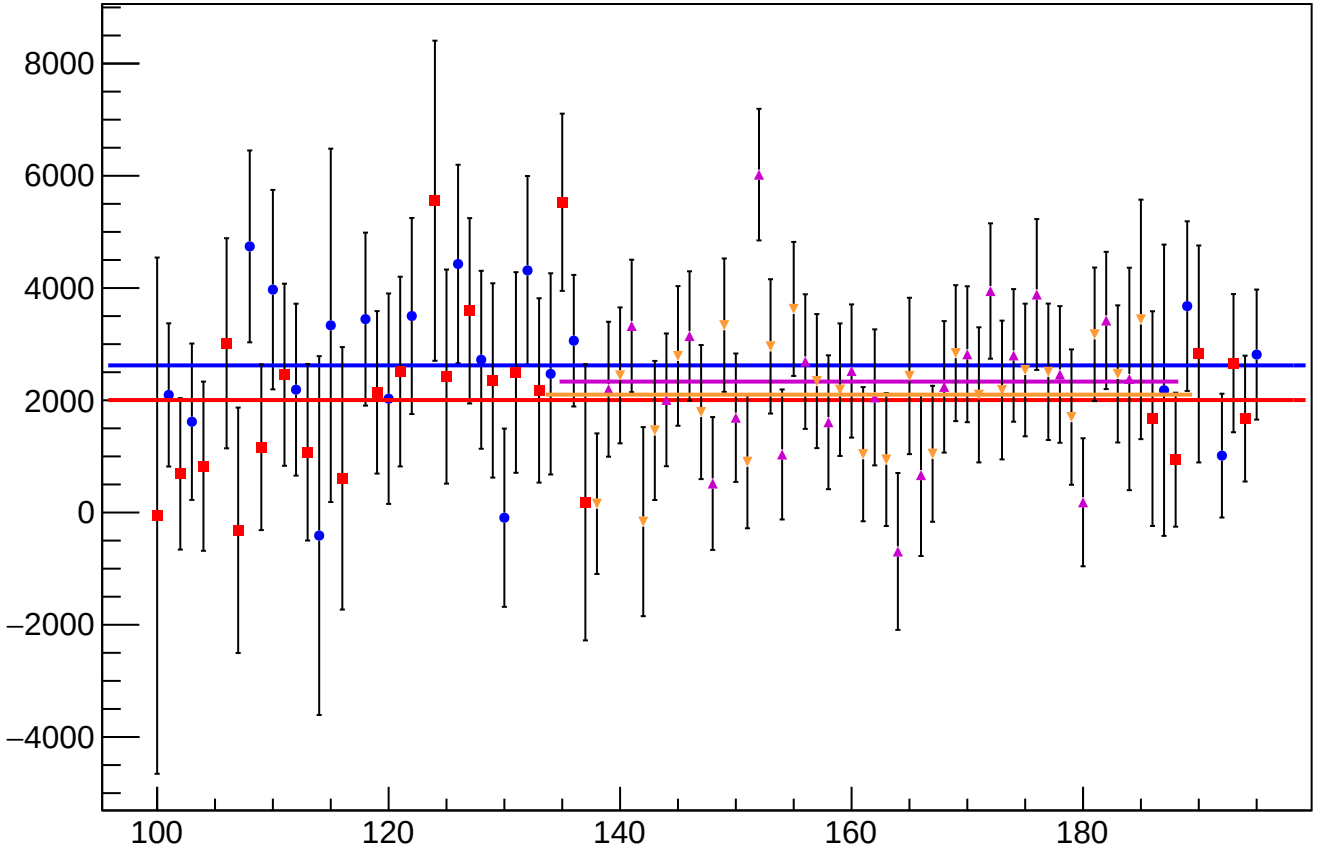
Right: 32.977+/-0.006 χ^2/NDF: 2497881.1/43

In: 36.816+/-0.005 χ^2/NDF:1509640.3/42

Out: 36.203+/-0.005 χ^2/NDF:2821970.0/47

All: 36.500+/-0.004 χ^2/NDF: 4338793.1/90

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2621.820+/-351.222 χ^2/NDF: 12.3/19

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2003.833+/-336.504 χ^2/NDF: 13.9/23

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

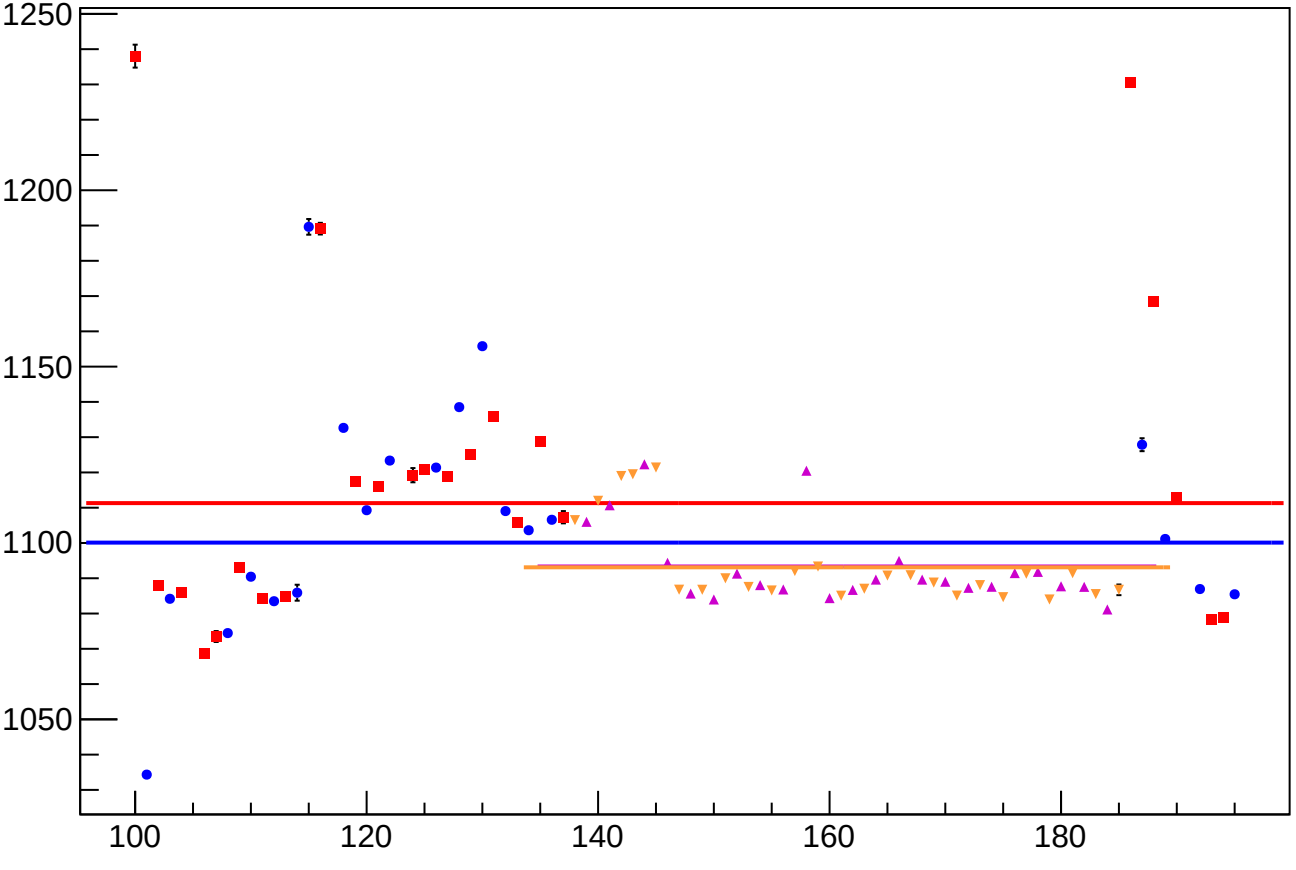
Right: 2299.607+/-242.981 χ^2/NDF: 27.8/43

In: 2432.810+/-206.500 χ^2/NDF:42.2/42

Out: 2066.355+/-199.800 χ^2/NDF:27.8/48

All: 2243.541+/-143.590 χ^2/NDF: 71.7/91

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.106+/-0.248 χ^2/NDF: 14156.8/19

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

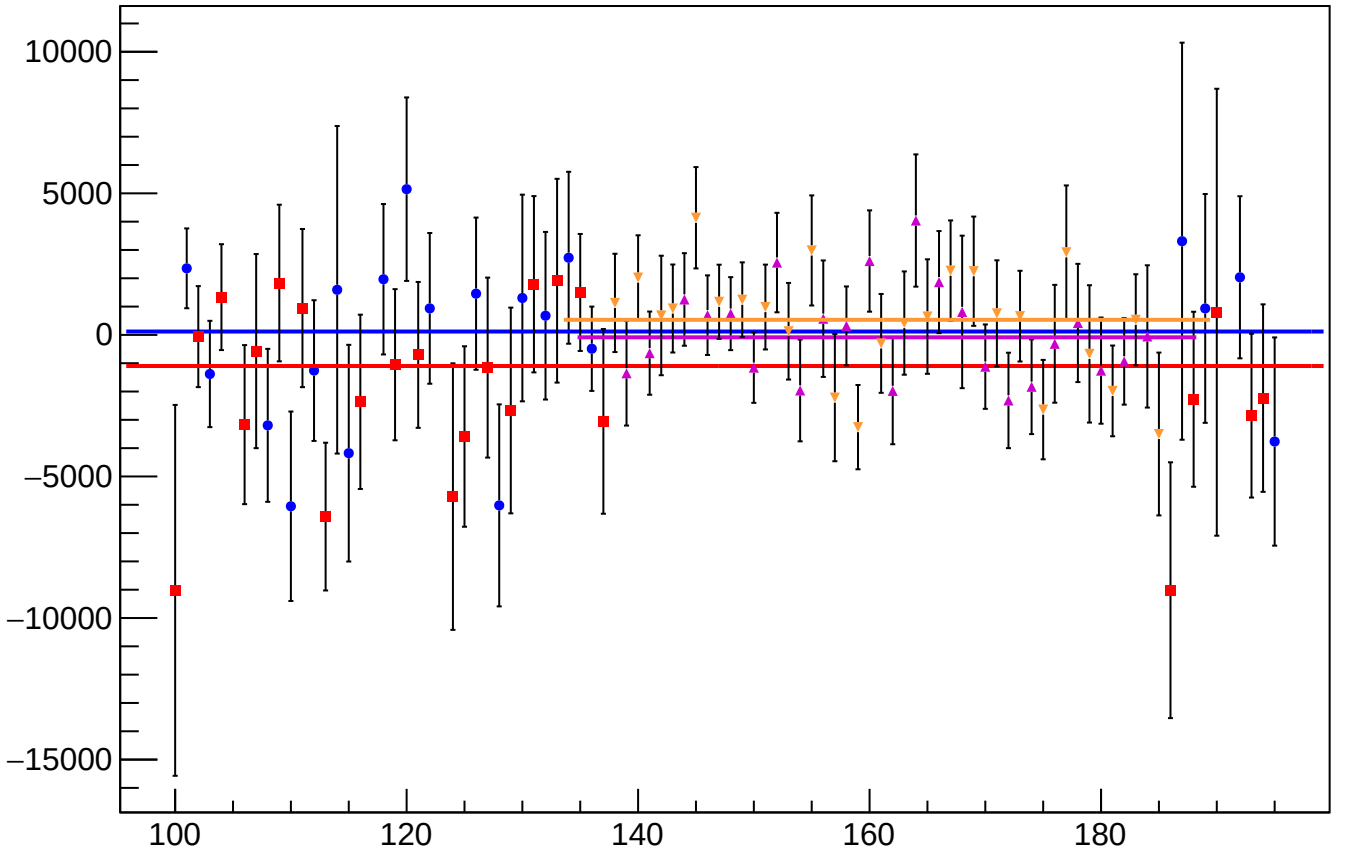
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1105.946+/-0.172 χ^2/NDF: 39575.0/43

In: 1095.678+/-0.146 χ^2/NDF:18368.4/42

Out: 1099.520+/-0.141 χ^2/NDF:32130.6/48

All: 1097.662+/-0.102 χ^2/NDF: 50856.6/91



Right In: 119.336+/-587.719 χ^2/NDF: 18.7/19

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1098.858+/-592.850 χ^2/NDF: 19.1/23

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

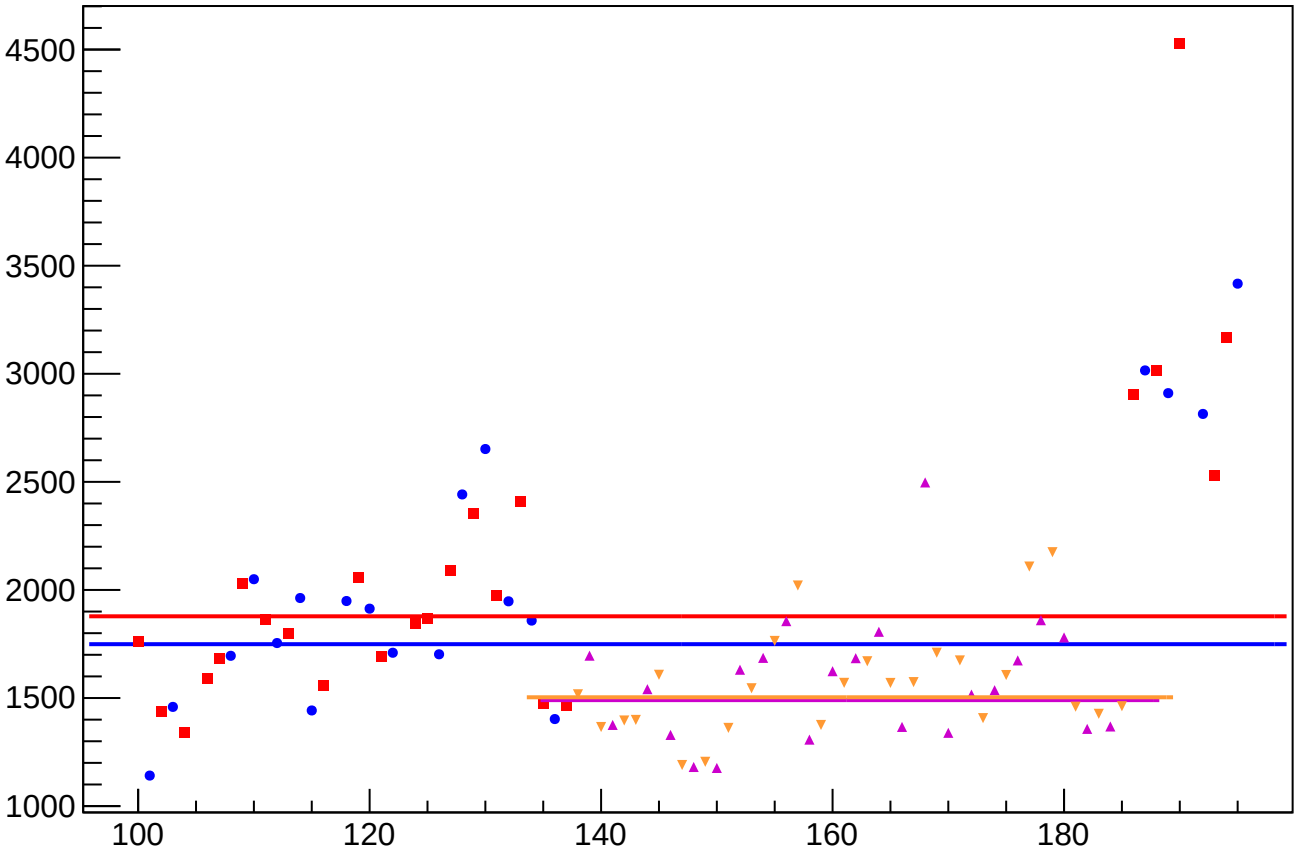
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -484.466+/-417.383 χ^2/NDF: 40.0/43

In: -30.859+/-303.199 χ^2/NDF:36.9/42

Out: 116.190+/-299.617 χ^2/NDF:51.2/48

All: 43.540+/-213.116 χ^2/NDF: 88.2/91



Right In: 1749.111+/-0.416 χ^2/NDF: 1706149.9/19

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

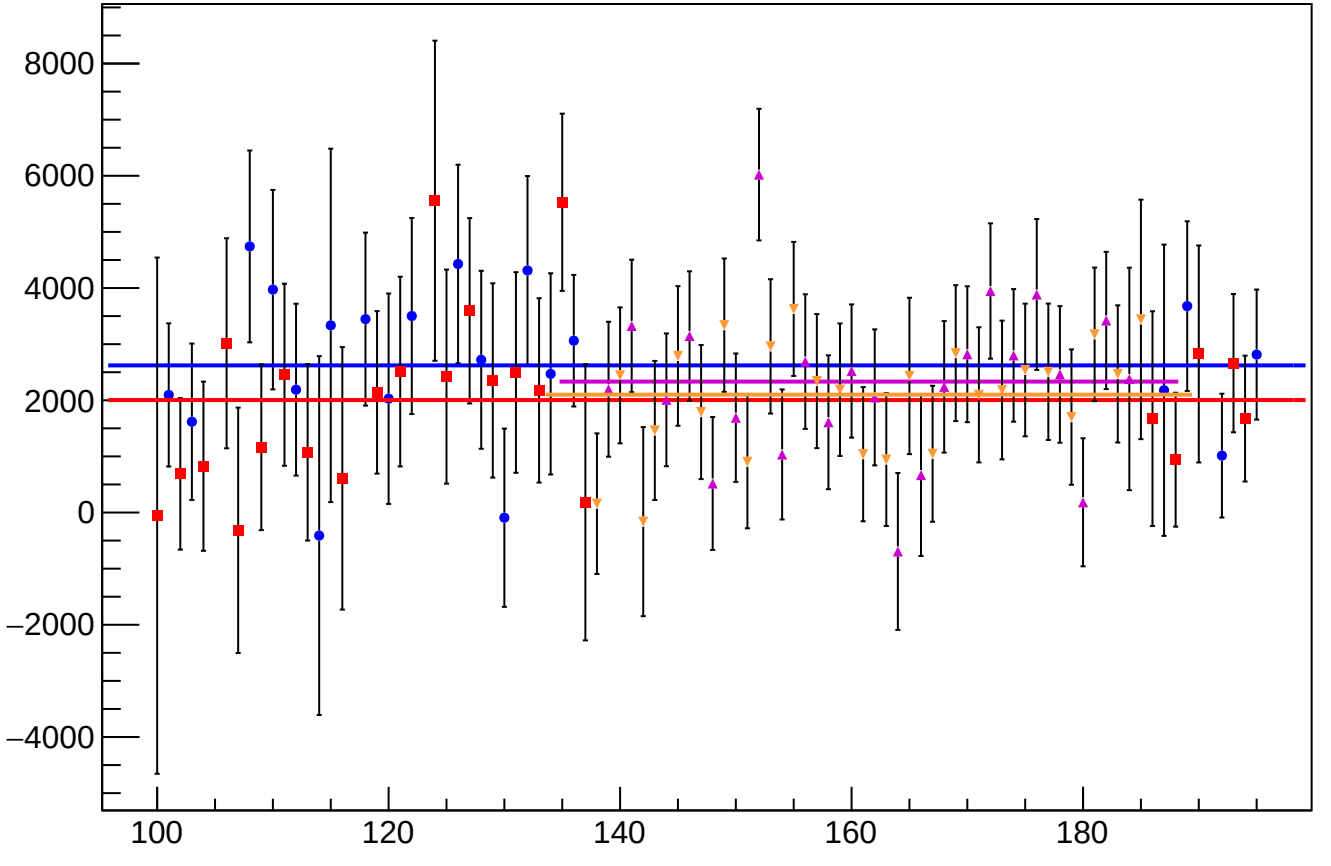
Right: 1813.026+/-0.295 χ^2/NDF: 3320424.6/43

In: 1559.191+/-0.214 χ^2/NDF:2958960.1/42

Out: 1599.121+/-0.212 χ^2/NDF:2960855.1/48

All: 1579.393+/-0.151 χ^2/NDF: 5937364.6/91

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2621.820+/-351.222 χ^2/NDF: 12.3/19

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2003.833+/-336.504 χ^2/NDF: 13.9/23

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

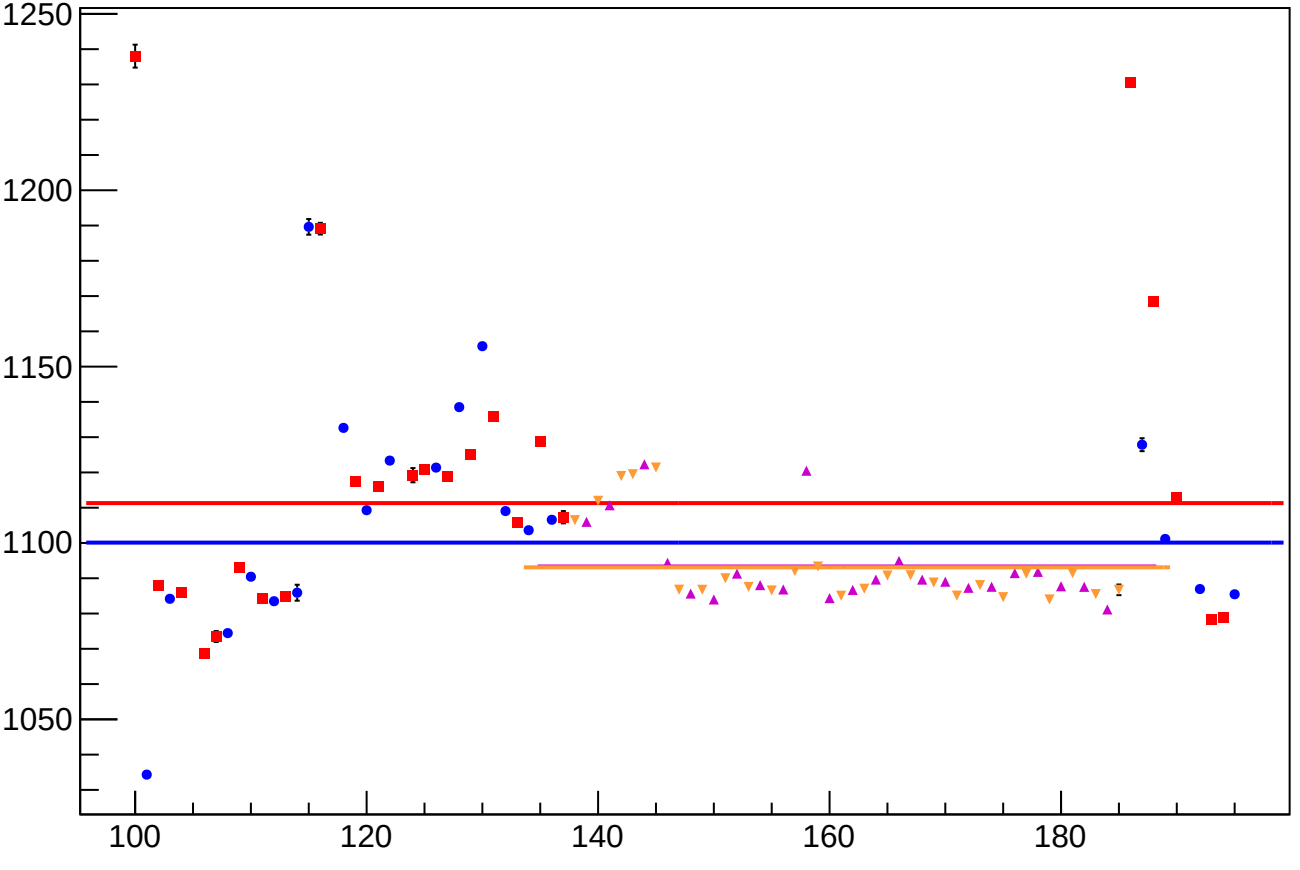
Right: 2299.607+/-242.981 χ^2/NDF: 27.8/43

In: 2432.810+/-206.500 χ^2/NDF:42.2/42

Out: 2066.355+/-199.800 χ^2/NDF:27.8/48

All: 2243.541+/-143.590 χ^2/NDF: 71.7/91

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.106+/-0.248 χ^2/NDF: 14156.8/19

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

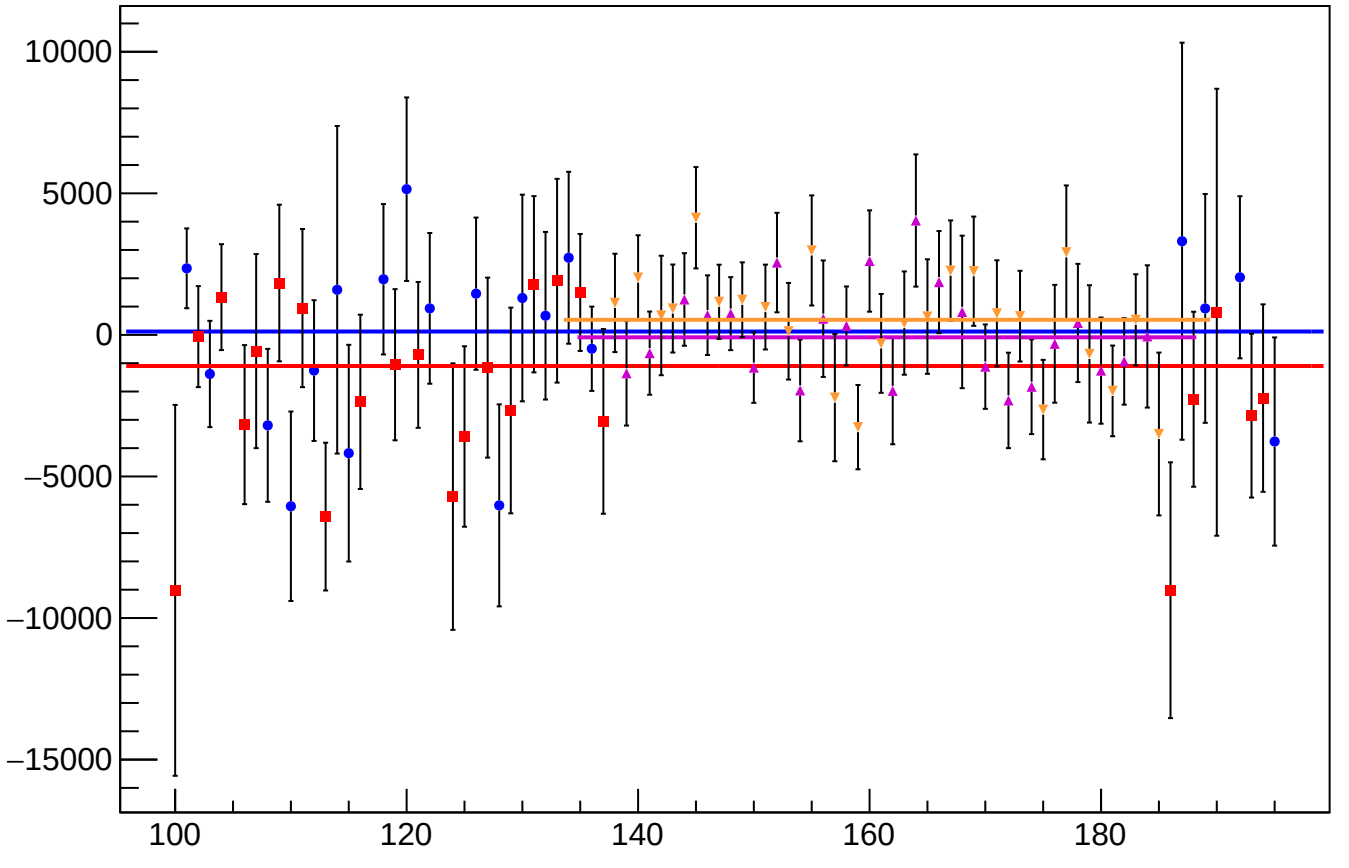
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1105.946+/-0.172 χ^2/NDF: 39575.0/43

In: 1095.678+/-0.146 χ^2/NDF:18368.4/42

Out: 1099.520+/-0.141 χ^2/NDF:32130.6/48

All: 1097.662+/-0.102 χ^2/NDF: 50856.6/91



Right In: 119.336+/-587.719 χ^2/NDF: 18.7/19

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1098.858+/-592.850 χ^2/NDF: 19.1/23

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

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

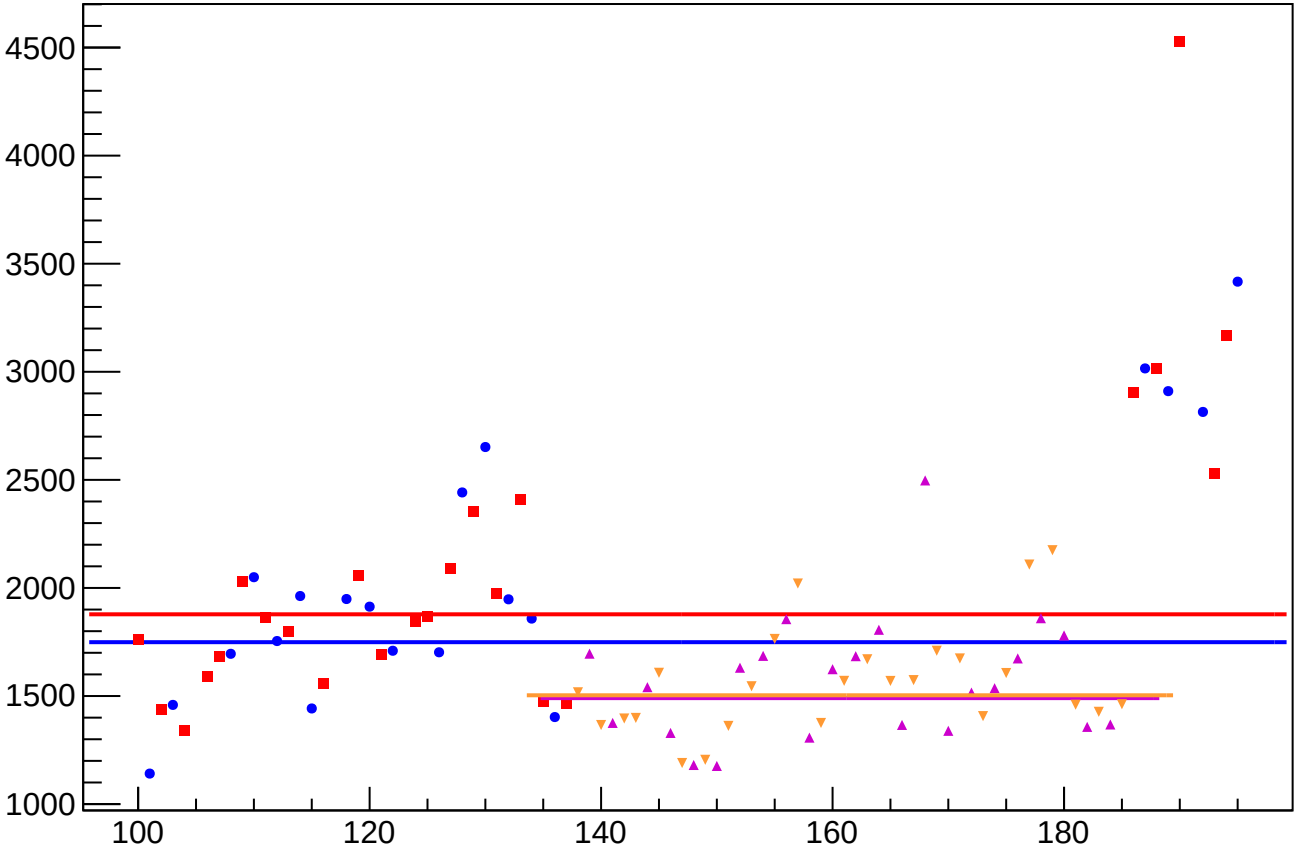
Right: -484.466+/-417.383 χ^2/NDF: 40.0/43

In: -30.859+/-303.199 χ^2/NDF:36.9/42

Out: 116.190+/-299.617 χ^2/NDF:51.2/48

All: 43.540+/-213.116 χ^2/NDF: 88.2/91

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1749.111+/-0.416 χ^2/NDF: 1706149.9/19

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

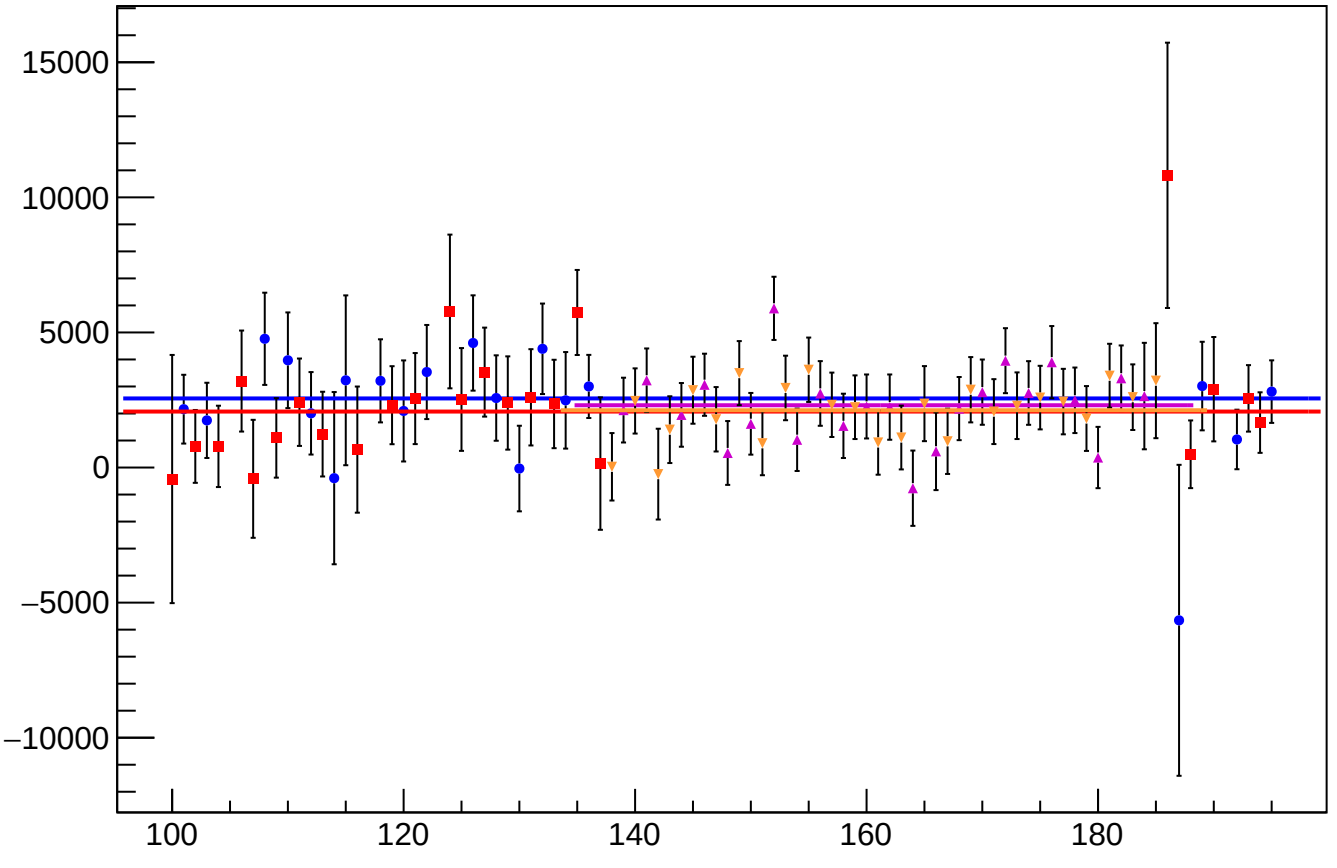
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1813.026+/-0.295 χ^2/NDF: 3320424.6/43

In: 1559.191+/-0.214 χ^2/NDF:2958960.1/42

Out: 1599.121+/-0.212 χ^2/NDF:2960855.1/48

All: 1579.393+/-0.151 χ^2/NDF: 5937364.6/91



Right In: 2557.562+/-354.504 χ^2/NDF: 13.8/19

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2072.017+/-341.637 χ^2/NDF: 18.8/23

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

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

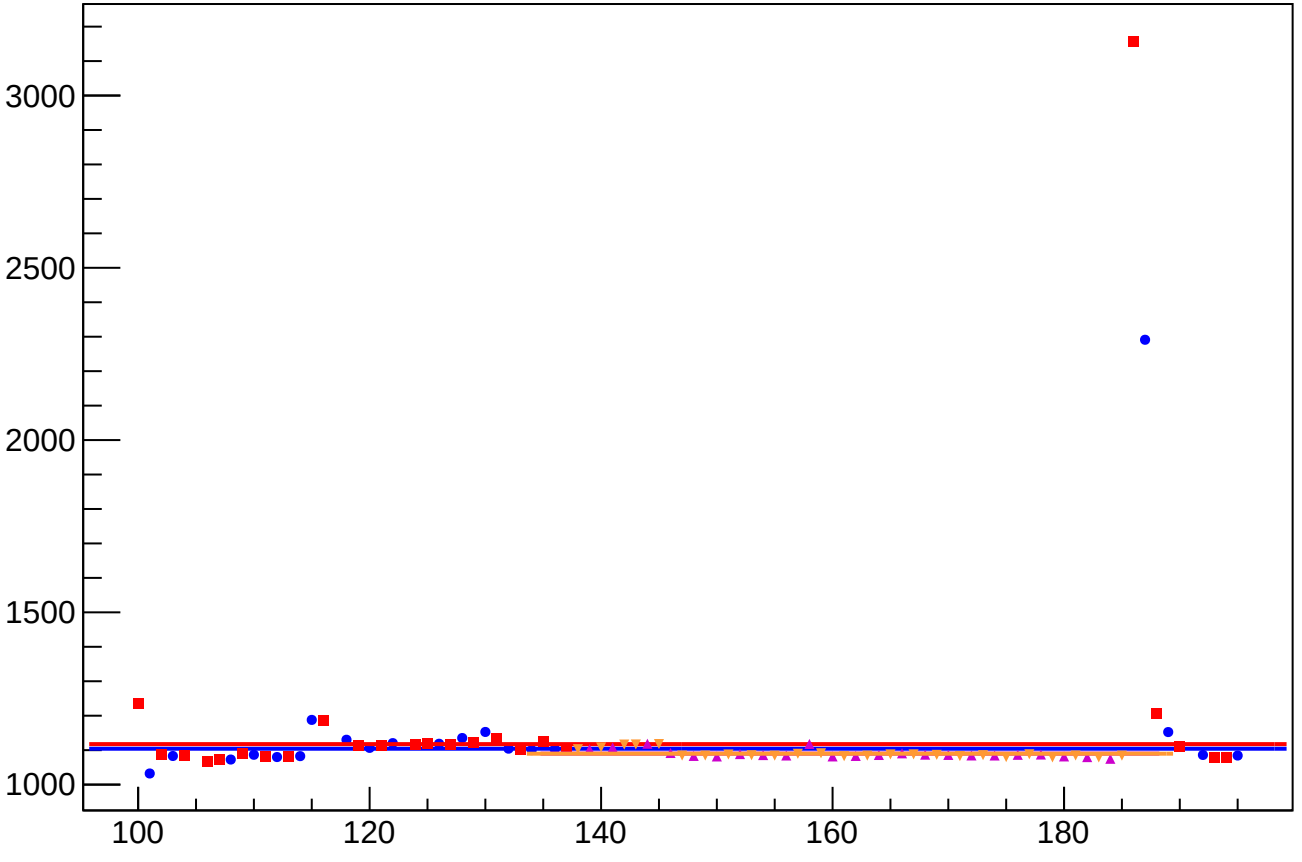
Right: 2305.818+/-245.997 χ^2/NDF: 33.6/43

In: 2391.167+/-206.739 χ^2/NDF:42.6/42

Out: 2103.463+/-200.454 χ^2/NDF:34.0/48

All: 2242.875+/-143.913 χ^2/NDF: 77.5/91

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1104.140+/-0.251 χ^2/NDF: 101224.7/19

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1117.513+/-0.242 χ^2/NDF: 369671.2/23

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

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

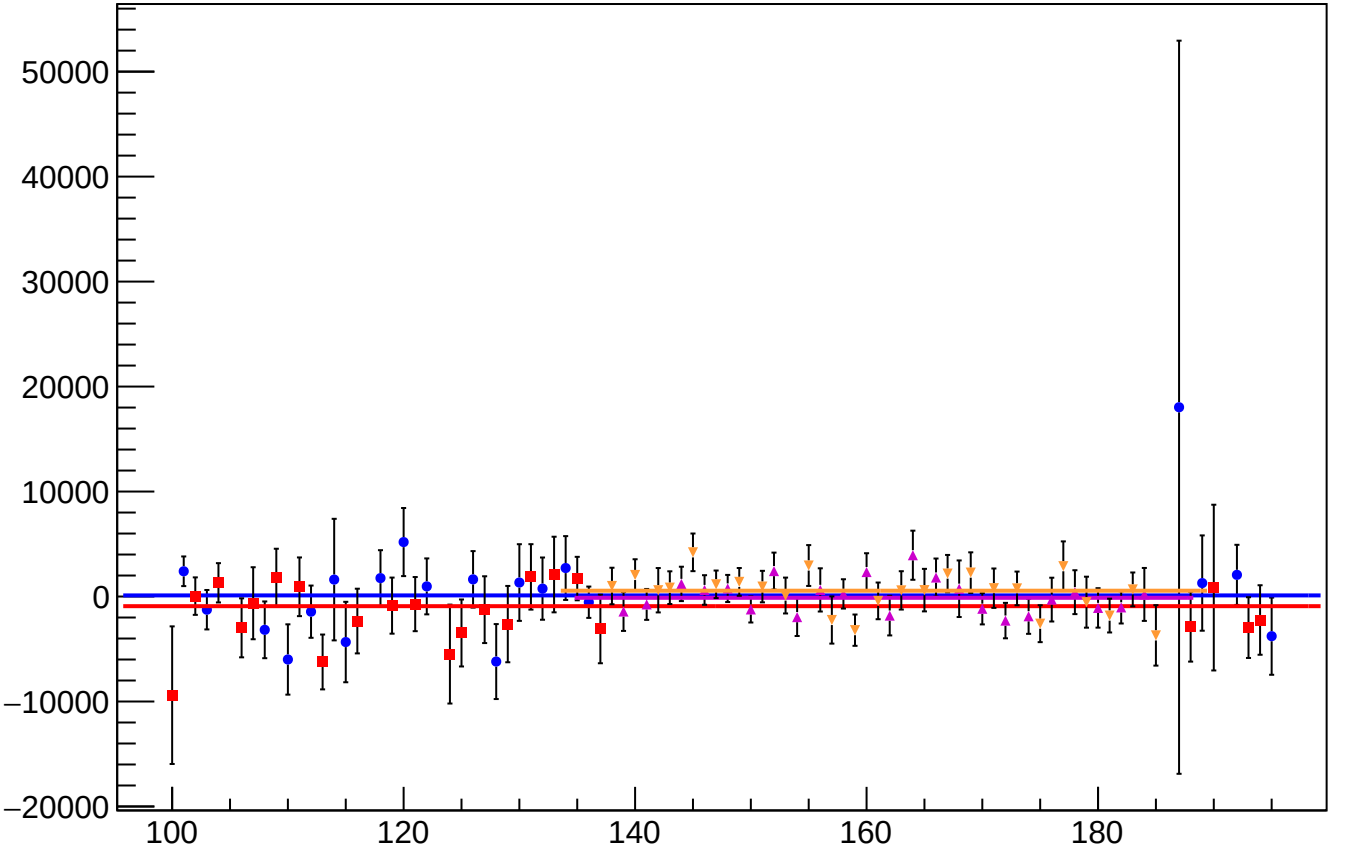
Right: 1111.074+/-0.174 χ^2/NDF: 472371.6/43

In: 1094.785+/-0.146 χ^2/NDF:107231.1/42

Out: 1099.304+/-0.142 χ^2/NDF:382393.8/48

All: 1097.114+/-0.102 χ^2/NDF: 490117.4/91

asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: 106.384+/-591.705 χ^2/NDF: 19.1/19

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -919.008+/-600.117 χ^2/NDF: 16.1/22

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

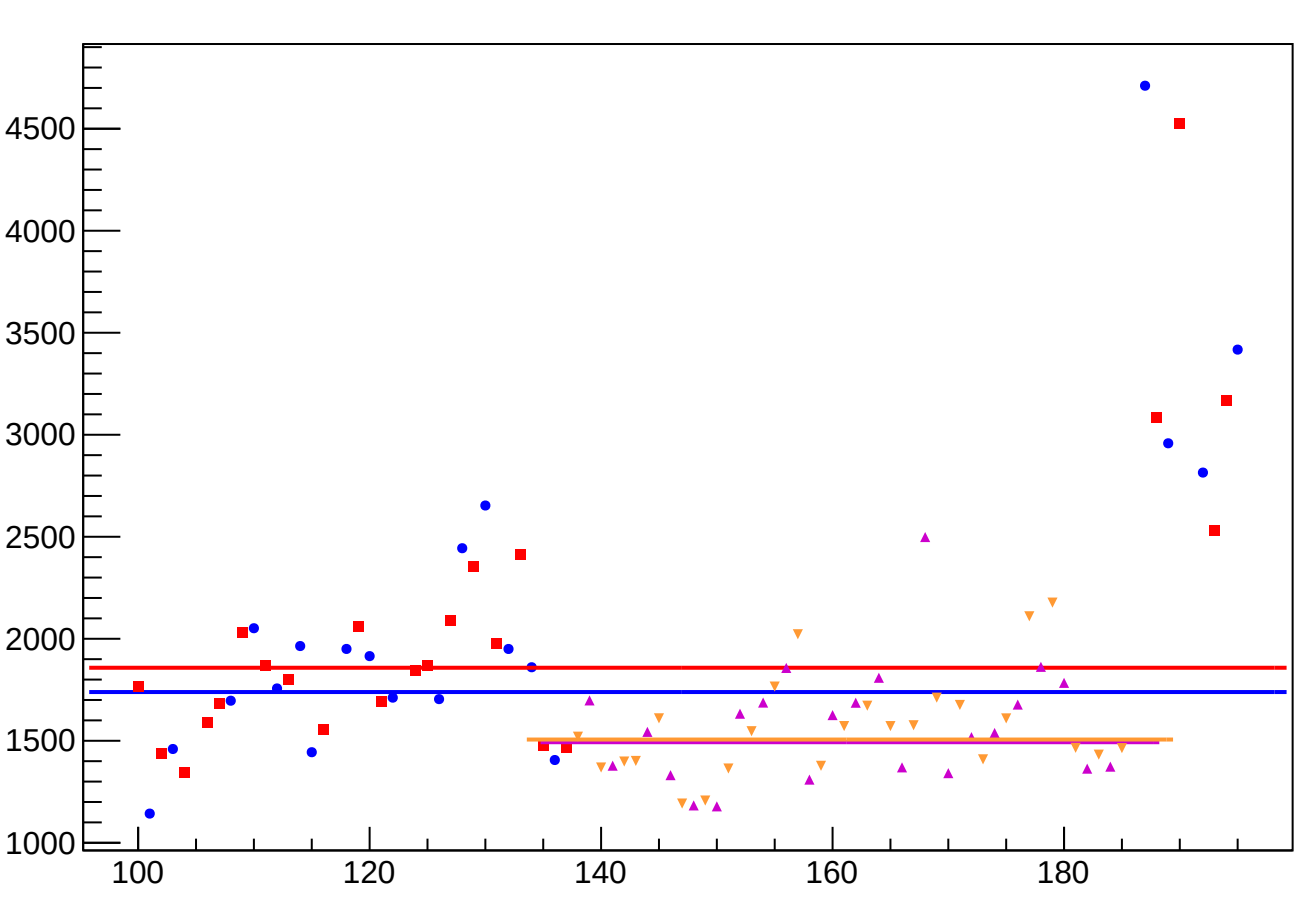
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -399.076+/-421.341 χ^2/NDF: 36.7/42

In: -61.240+/-304.125 χ^2/NDF:36.4/42

Out: 183.440+/-300.924 χ^2/NDF:46.7/47

All: 62.394+/-213.908 χ^2/NDF: 83.4/90



Right In: 1738.888+/-0.418 χ^2/NDF: 1626449.6/19

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1857.980+/-0.424 χ^2/NDF: 1448822.6/22

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

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

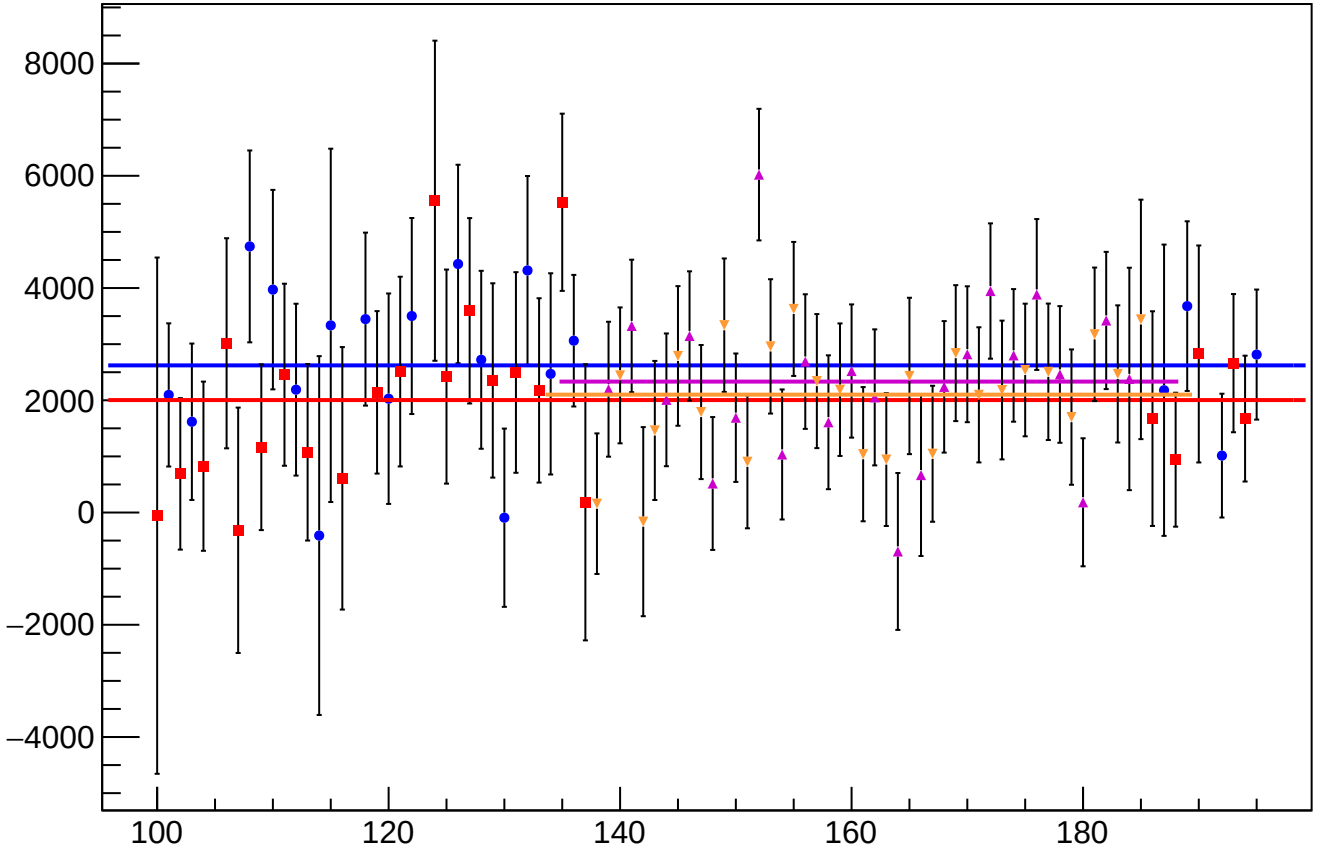
Right: 1797.594+/-0.298 χ^2/NDF: 3115209.1/42

In: 1557.940+/-0.215 χ^2/NDF:2844994.7/42

Out: 1594.581+/-0.213 χ^2/NDF:2759934.8/47

All: 1576.454+/-0.151 χ^2/NDF: 5619597.8/90

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2621.820+/-351.222 χ^2/NDF: 12.3/19

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2003.833+/-336.504 χ^2/NDF: 13.9/23

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

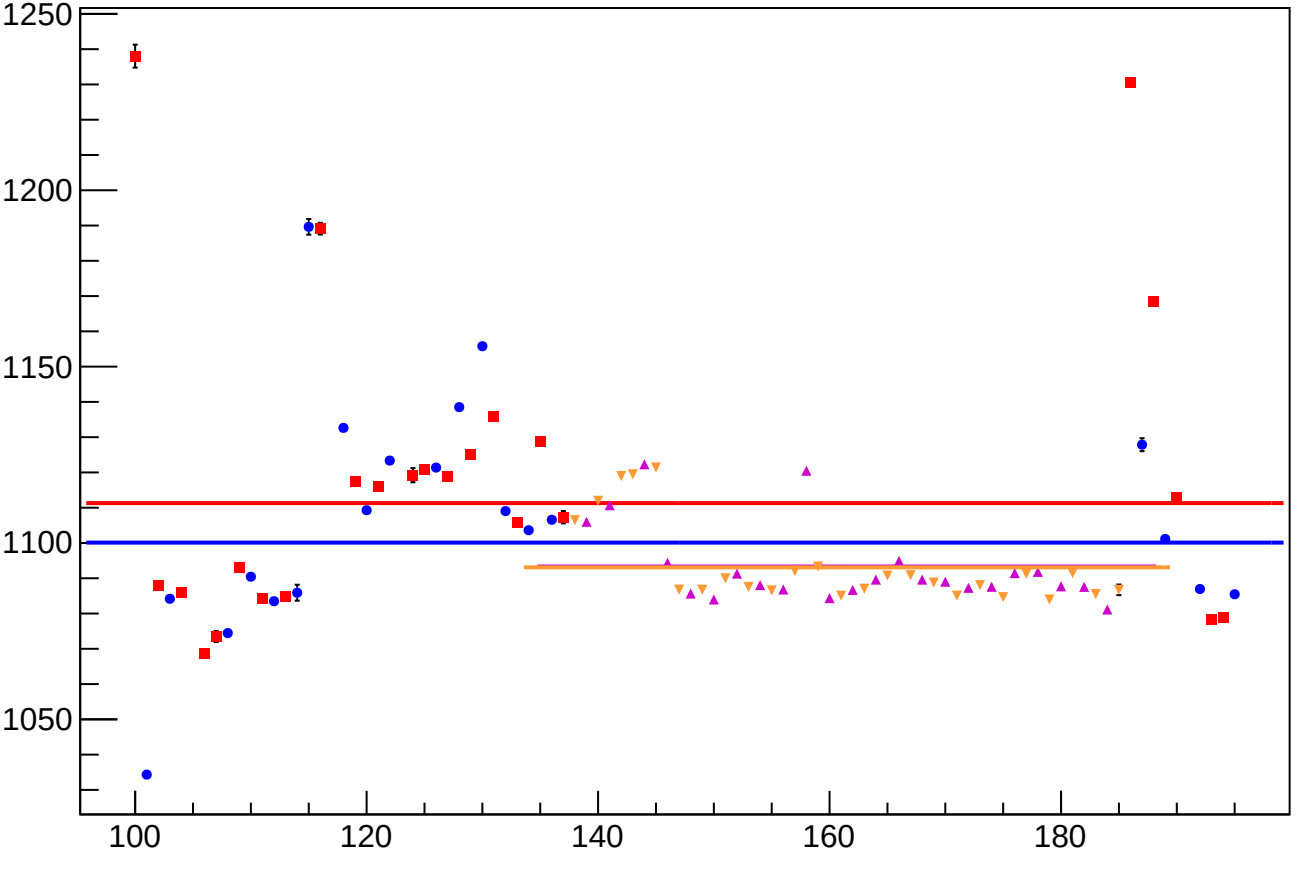
Right: 2299.607+/-242.981 χ^2/NDF: 27.8/43

In: 2432.810+/-206.500 χ^2/NDF:42.2/42

Out: 2066.355+/-199.800 χ^2/NDF:27.8/48

All: 2243.541+/-143.590 χ^2/NDF: 71.7/91

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.106+/-0.248 χ^2/NDF: 14156.8/19

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

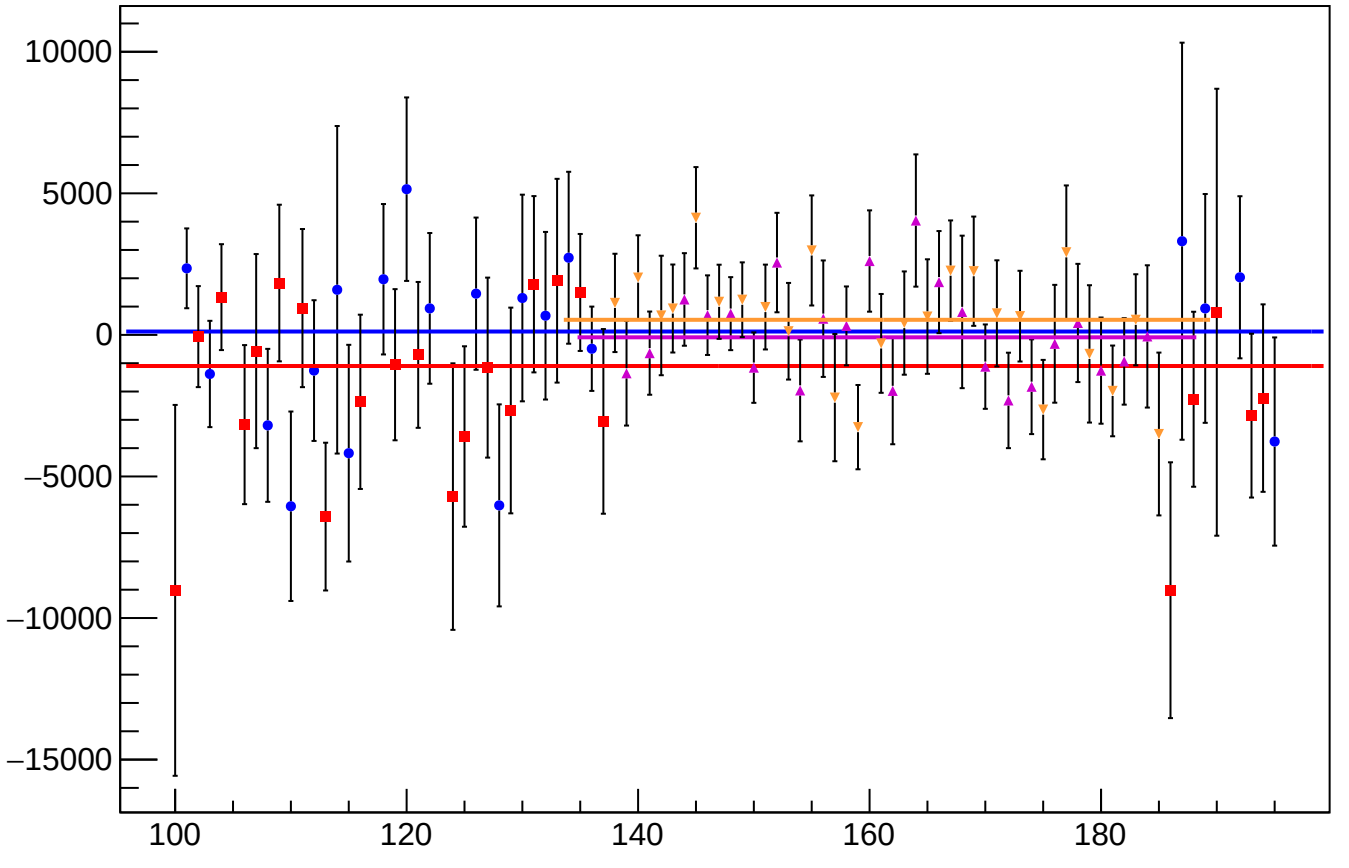
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1105.946+/-0.172 χ^2/NDF: 39575.0/43

In: 1095.678+/-0.146 χ^2/NDF:18368.4/42

Out: 1099.520+/-0.141 χ^2/NDF:32130.6/48

All: 1097.662+/-0.102 χ^2/NDF: 50856.6/91



Right In: 119.336+/-587.719 χ^2/NDF: 18.7/19

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1098.858+/-592.850 χ^2/NDF: 19.1/23

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

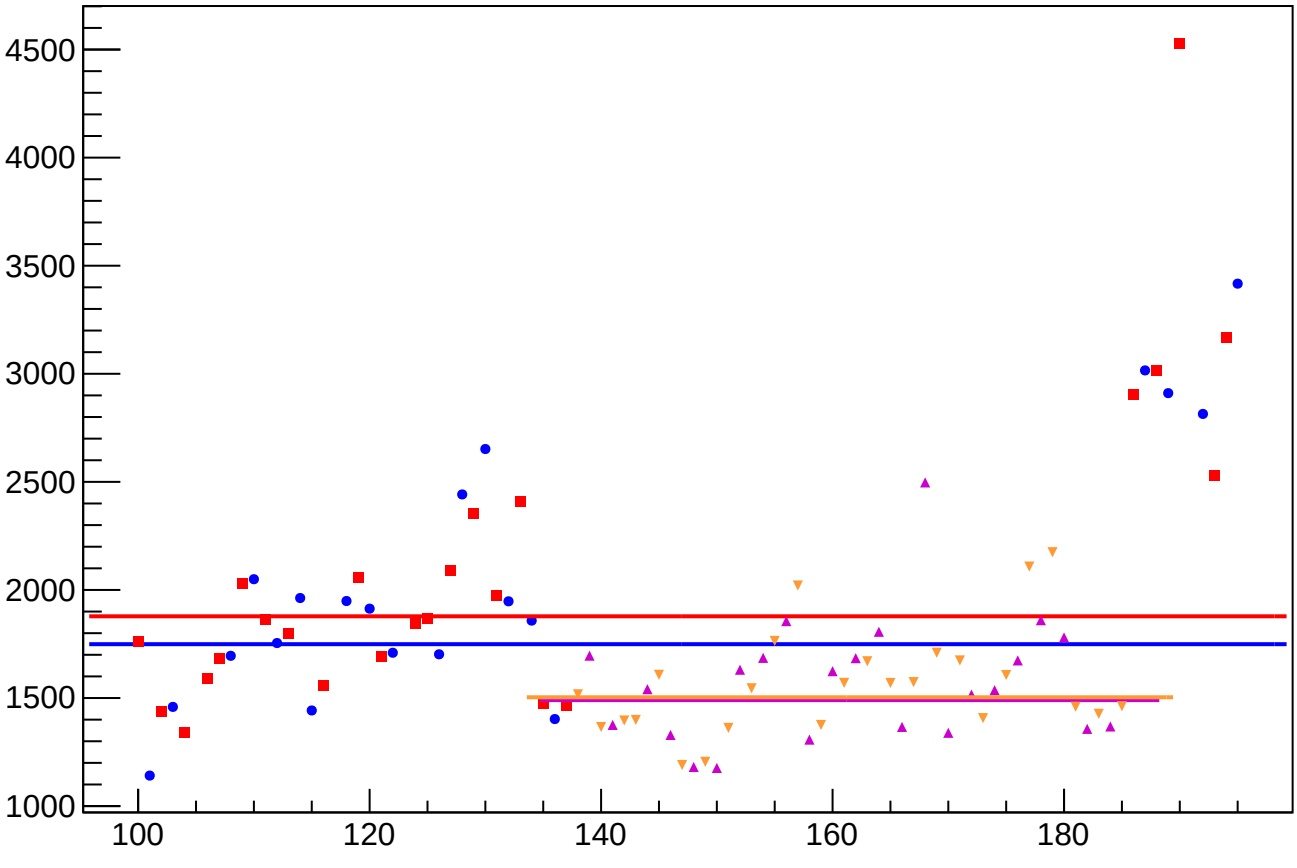
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -484.466+/-417.383 χ^2/NDF: 40.0/43

In: -30.859+/-303.199 χ^2/NDF:36.9/42

Out: 116.190+/-299.617 χ^2/NDF:51.2/48

All: 43.540+/-213.116 χ^2/NDF: 88.2/91



Right In: 1749.111+/-0.416 χ^2/NDF: 1706149.9/19

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

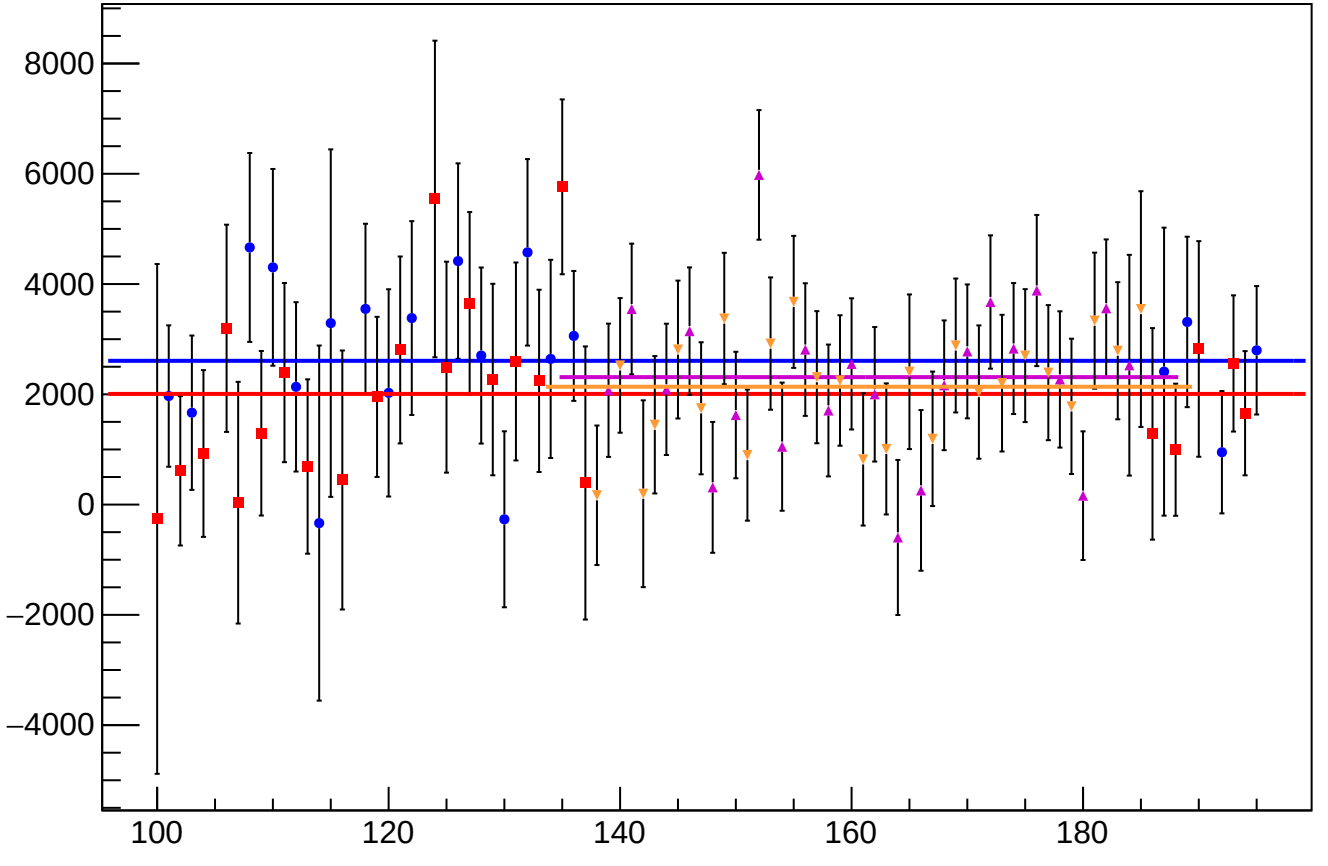
Right: 1813.026+/-0.295 χ^2/NDF: 3320424.6/43

In: 1559.191+/-0.214 χ^2/NDF:2958960.1/42

Out: 1599.121+/-0.212 χ^2/NDF:2960855.1/48

All: 1579.393+/-0.151 χ^2/NDF: 5937364.6/91

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2607.513+/-353.148 χ^2/NDF: 12.9/19

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2007.195+/-338.013 χ^2/NDF: 14.7/23

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

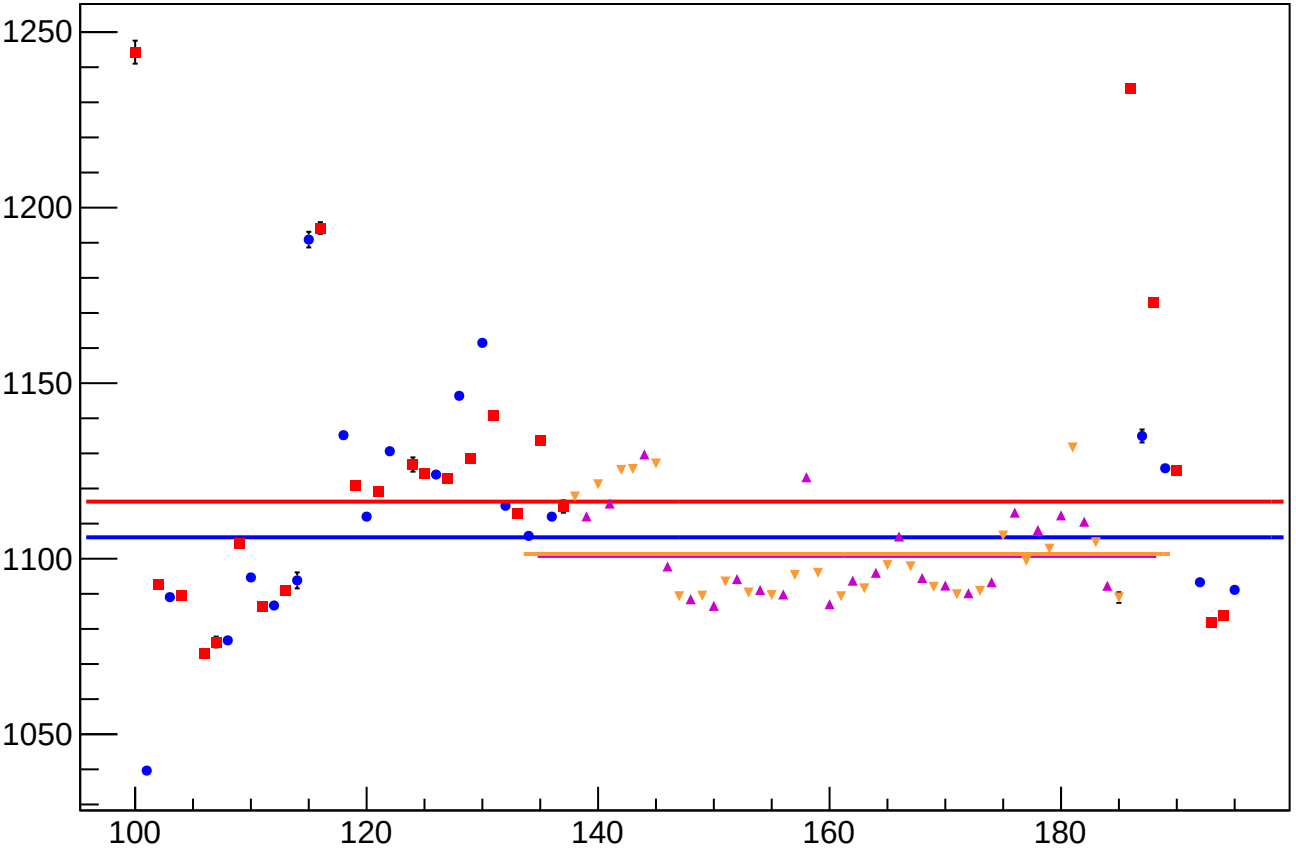
Right: 2294.215+/-244.186 χ^2/NDF: 29.2/43

In: 2414.180+/-207.818 χ^2/NDF:43.3/42

Out: 2091.174+/-201.098 χ^2/NDF:28.8/48

All: 2247.371+/-144.515 χ^2/NDF: 73.4/91

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1106.096+/-0.250 χ^2/NDF: 14412.7/19

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1116.262+/-0.239 χ^2/NDF: 24146.9/23

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

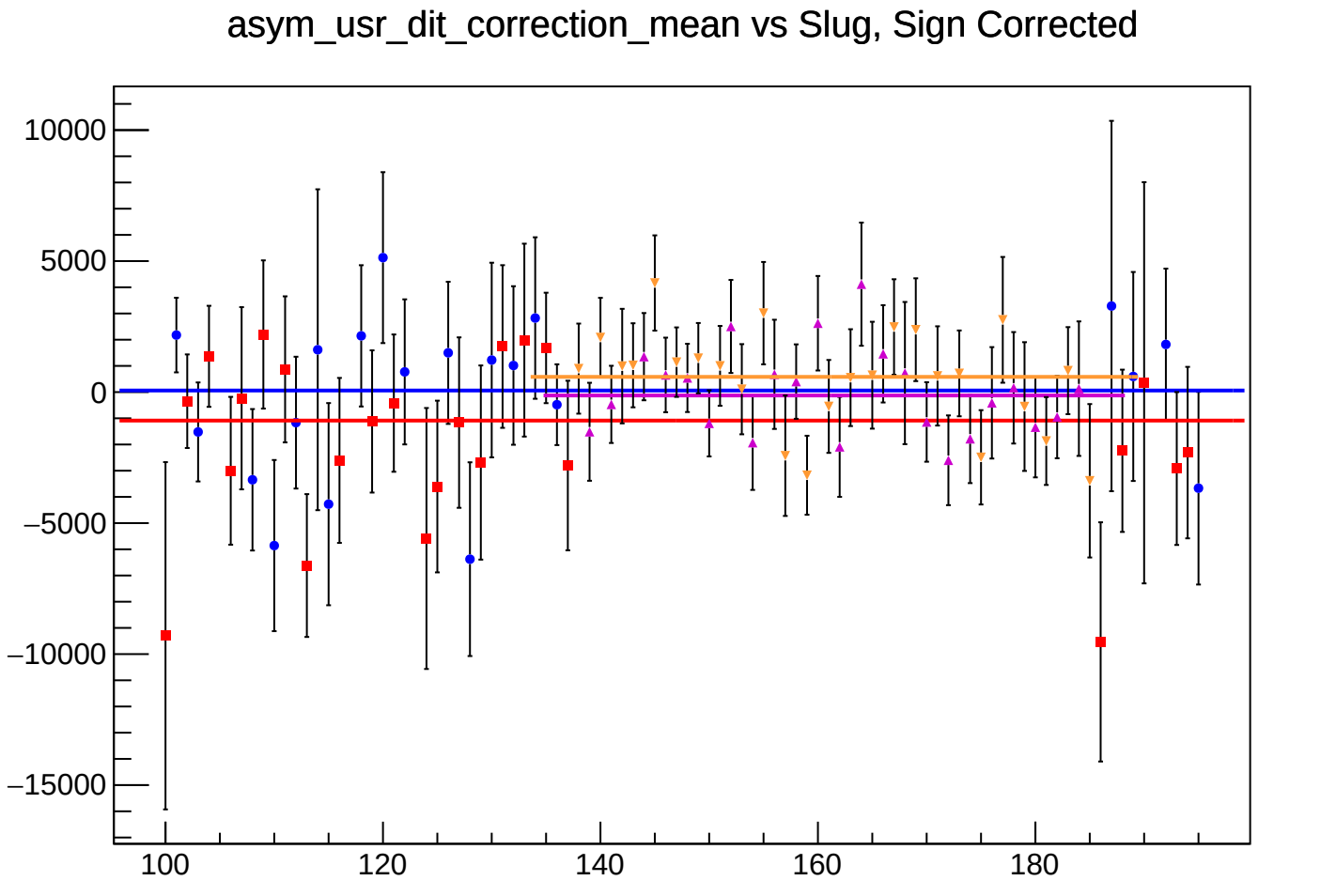
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1111.401+/-0.173 χ^2/NDF: 39424.5/43

In: 1102.629+/-0.147 χ^2/NDF:19349.2/42

Out: 1106.630+/-0.142 χ^2/NDF:32611.1/48

All: 1104.695+/-0.102 χ^2/NDF: 52343.2/91



Right In: 60.590+/-596.404 χ^2/NDF: 18.5/19

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1086.641+/-601.576 χ^2/NDF: 19.4/23

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

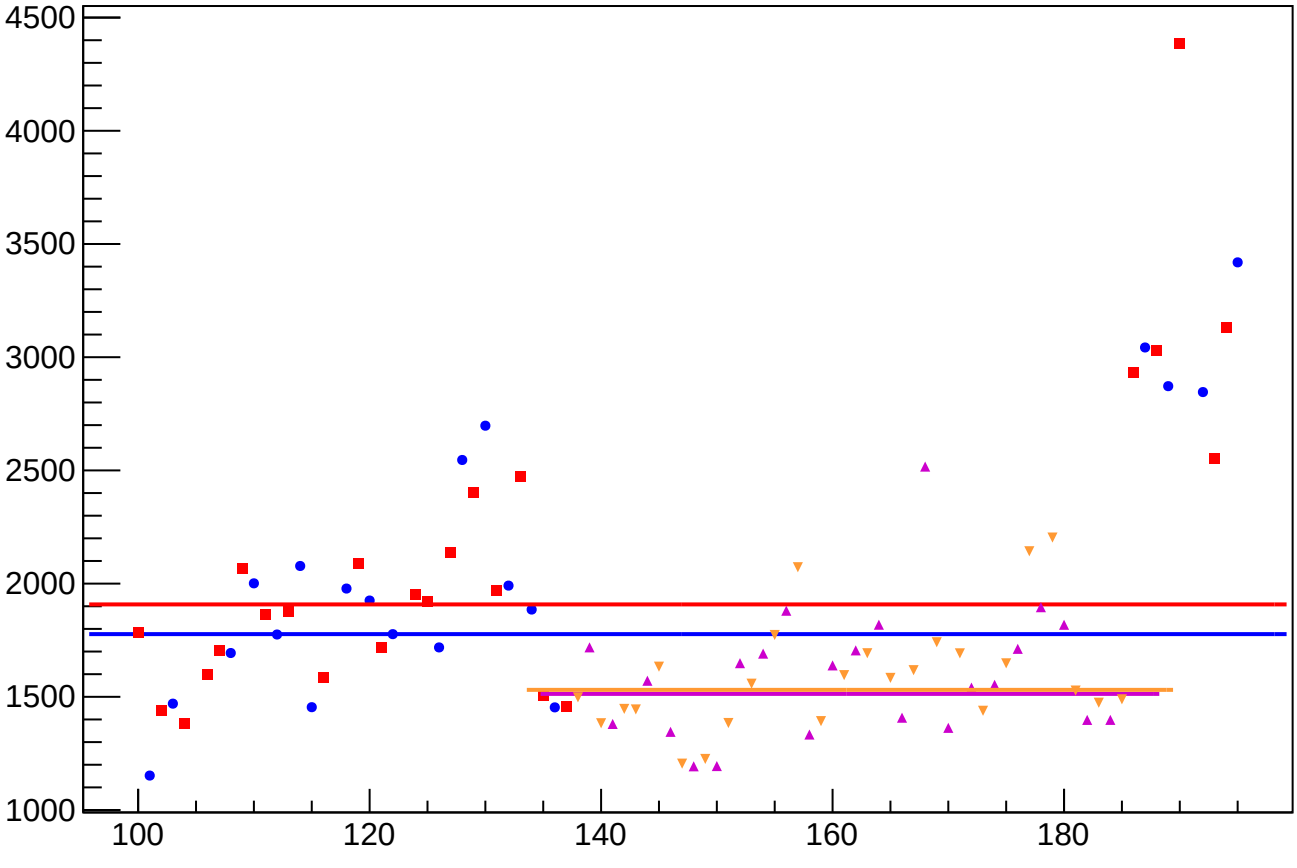
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -508.073+/-423.538 χ^2/NDF: 39.7/43

In: -78.380+/-307.657 χ^2/NDF:36.4/42

Out: 153.481+/-304.704 χ^2/NDF:50.5/48

All: 38.669+/-216.495 χ^2/NDF: 87.2/91



Right In: 1776.954+/-0.422 χ^2/NDF: 1681021.1/19

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1908.159+/-0.425 χ^2/NDF: 1518523.1/23

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

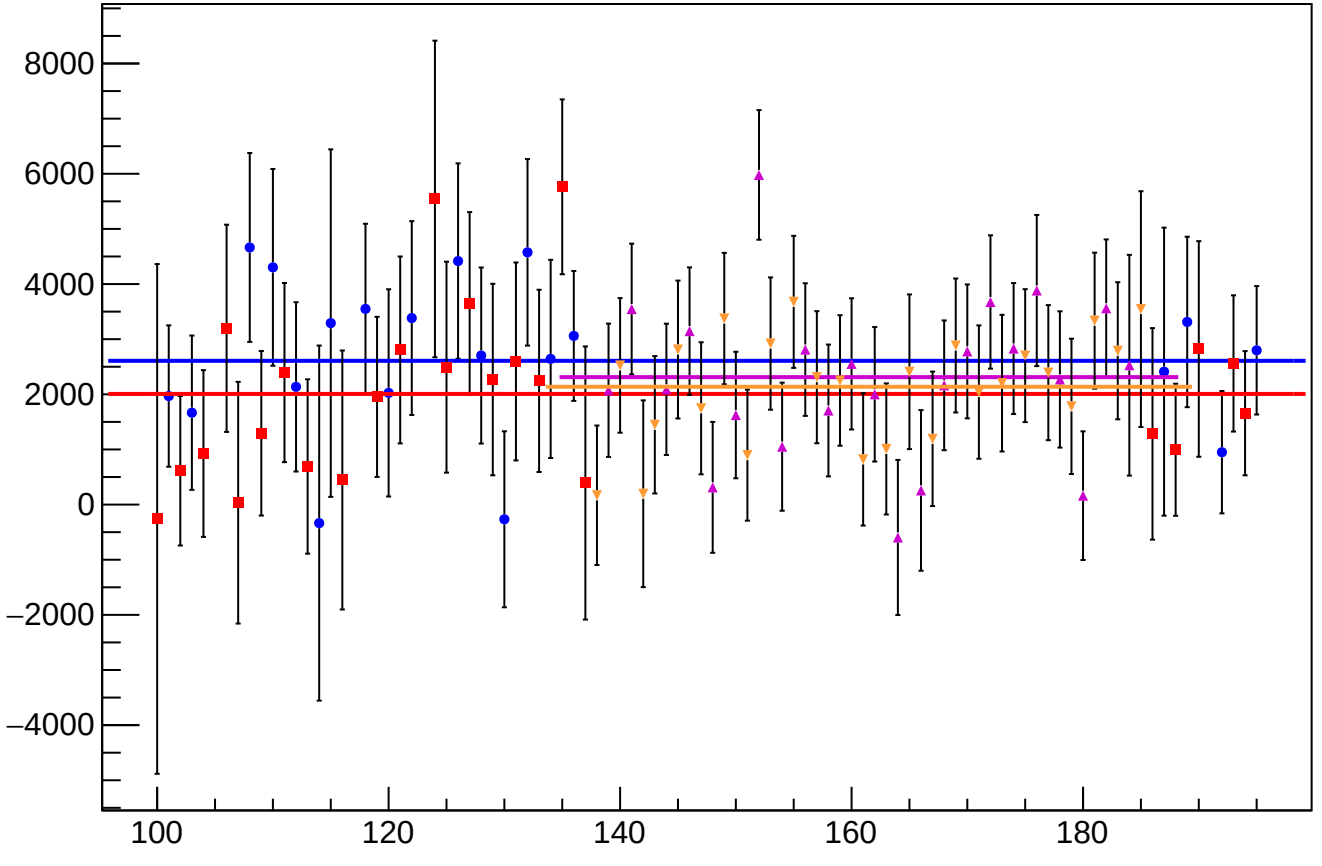
Right: 1841.990+/-0.299 χ^2/NDF: 3247523.5/43

In: 1583.200+/-0.218 χ^2/NDF:2925696.9/42

Out: 1627.586+/-0.215 χ^2/NDF:2899340.3/48

All: 1605.607+/-0.153 χ^2/NDF: 5846051.4/91

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2607.511+/-353.148 χ^2/NDF: 12.9/19

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2007.197+/-338.013 χ^2/NDF: 14.7/23

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

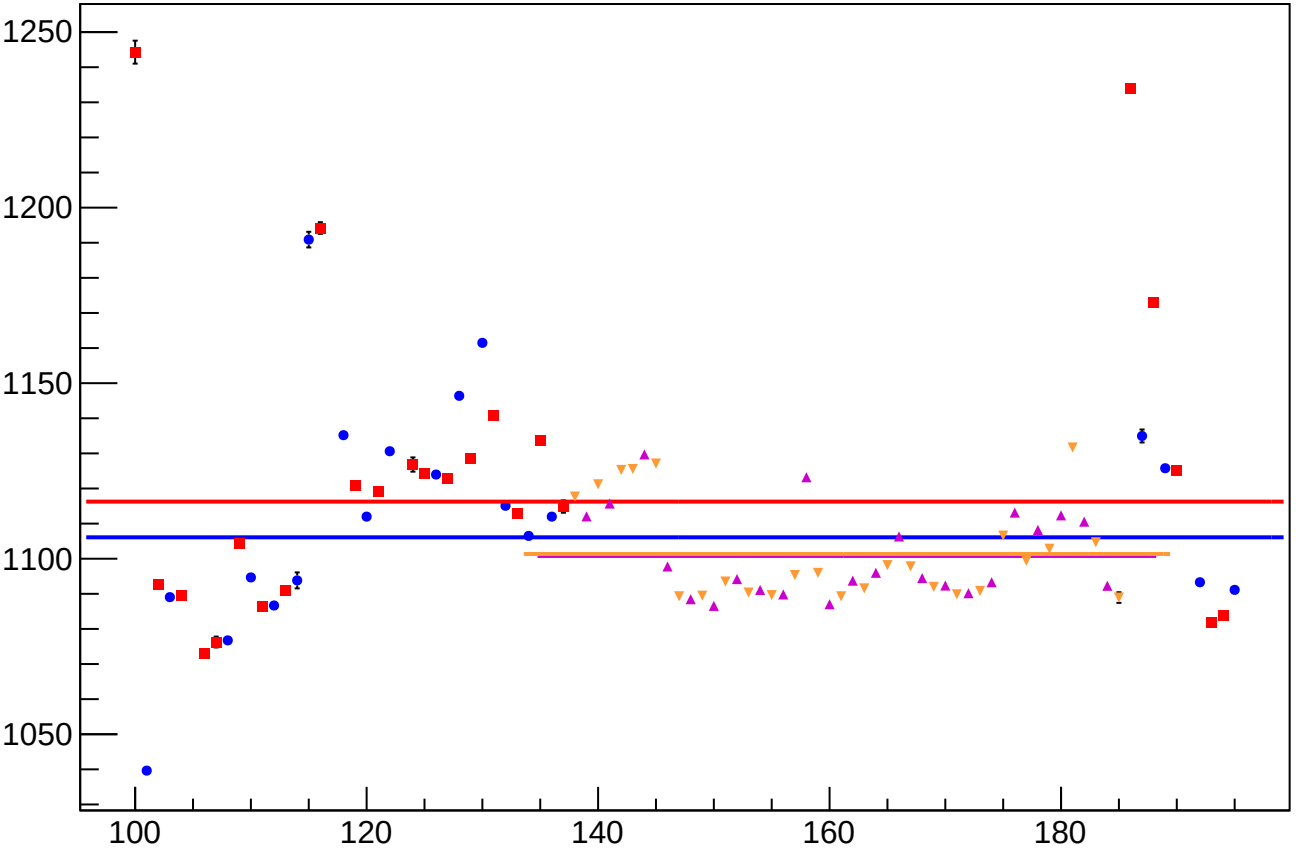
Right: 2294.215+/-244.186 χ^2/NDF: 29.2/43

In: 2414.179+/-207.818 χ^2/NDF:43.3/42

Out: 2091.173+/-201.098 χ^2/NDF:28.8/48

All: 2247.370+/-144.515 χ^2/NDF: 73.4/91

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1106.095+/-0.250 χ^2/NDF: 14412.6/19

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1116.262+/-0.239 χ^2/NDF: 24146.9/23

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

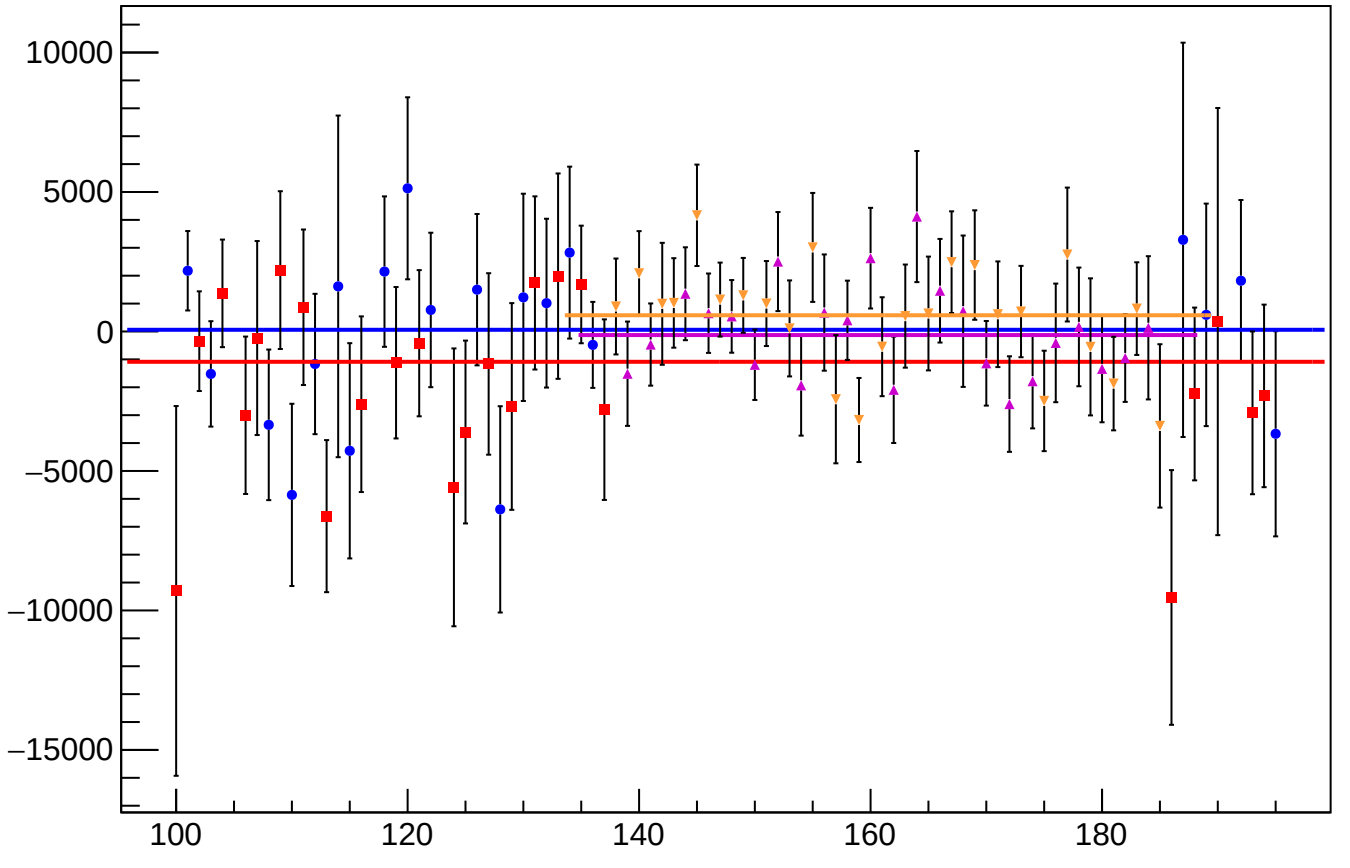
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1111.401+/-0.173 χ^2/NDF: 39424.4/43

In: 1102.629+/-0.147 χ^2/NDF:19349.1/42

Out: 1106.630+/-0.142 χ^2/NDF:32611.0/48

All: 1104.695+/-0.102 χ^2/NDF: 52343.0/91



Right In: 60.587+/-596.404 χ^2/NDF: 18.5/19

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1086.643+/-601.575 χ^2/NDF: 19.4/23

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

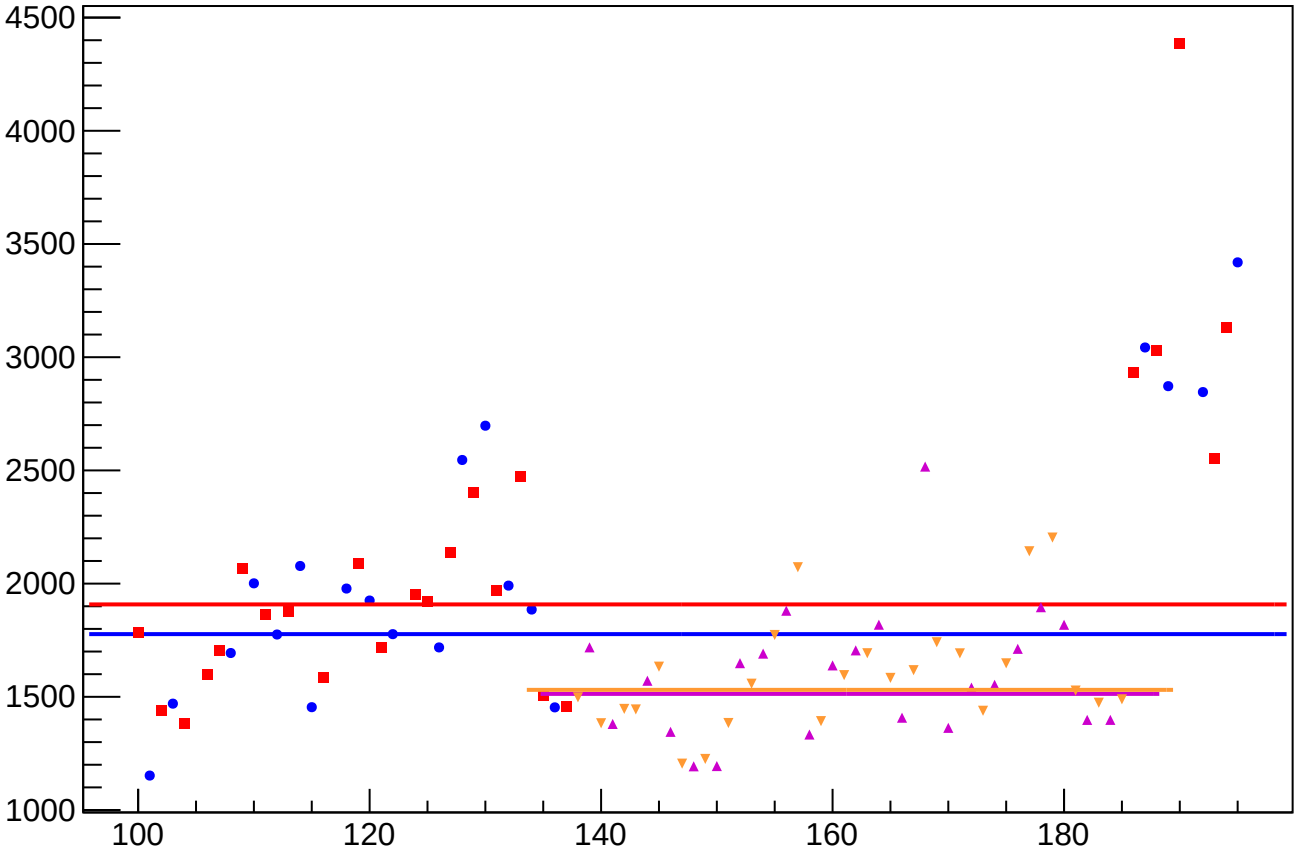
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -508.075+/-423.538 χ^2/NDF: 39.7/43

In: -78.381+/-307.658 χ^2/NDF:36.4/42

Out: 153.477+/-304.704 χ^2/NDF:50.5/48

All: 38.666+/-216.495 χ^2/NDF: 87.2/91



Right In: 1776.952+/-0.422 χ^2/NDF: 1681009.4/19

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 1908.157+/-0.425 χ^2/NDF: 1518506.4/23

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

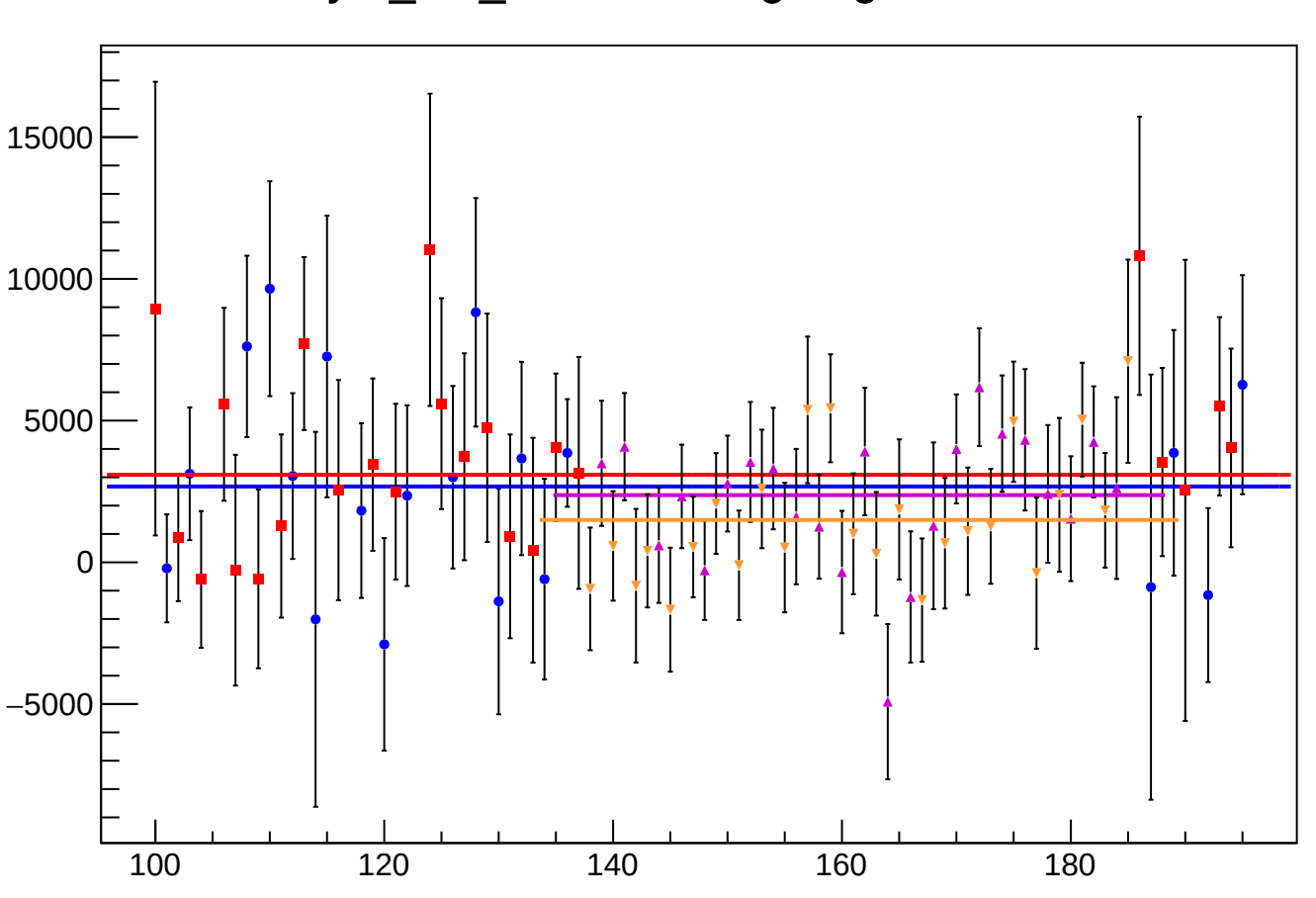
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1841.988+/-0.299 χ^2/NDF: 3247495.7/43

In: 1583.203+/-0.218 χ^2/NDF:2925678.1/42

Out: 1627.589+/-0.215 χ^2/NDF:2899310.4/48

All: 1605.610+/-0.153 χ^2/NDF: 5846003.0/91



Right In: 2674.963+/-709.125 χ^2/NDF: 19.2/19

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3088.074+/-700.970 χ^2/NDF: 16.0/23

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

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

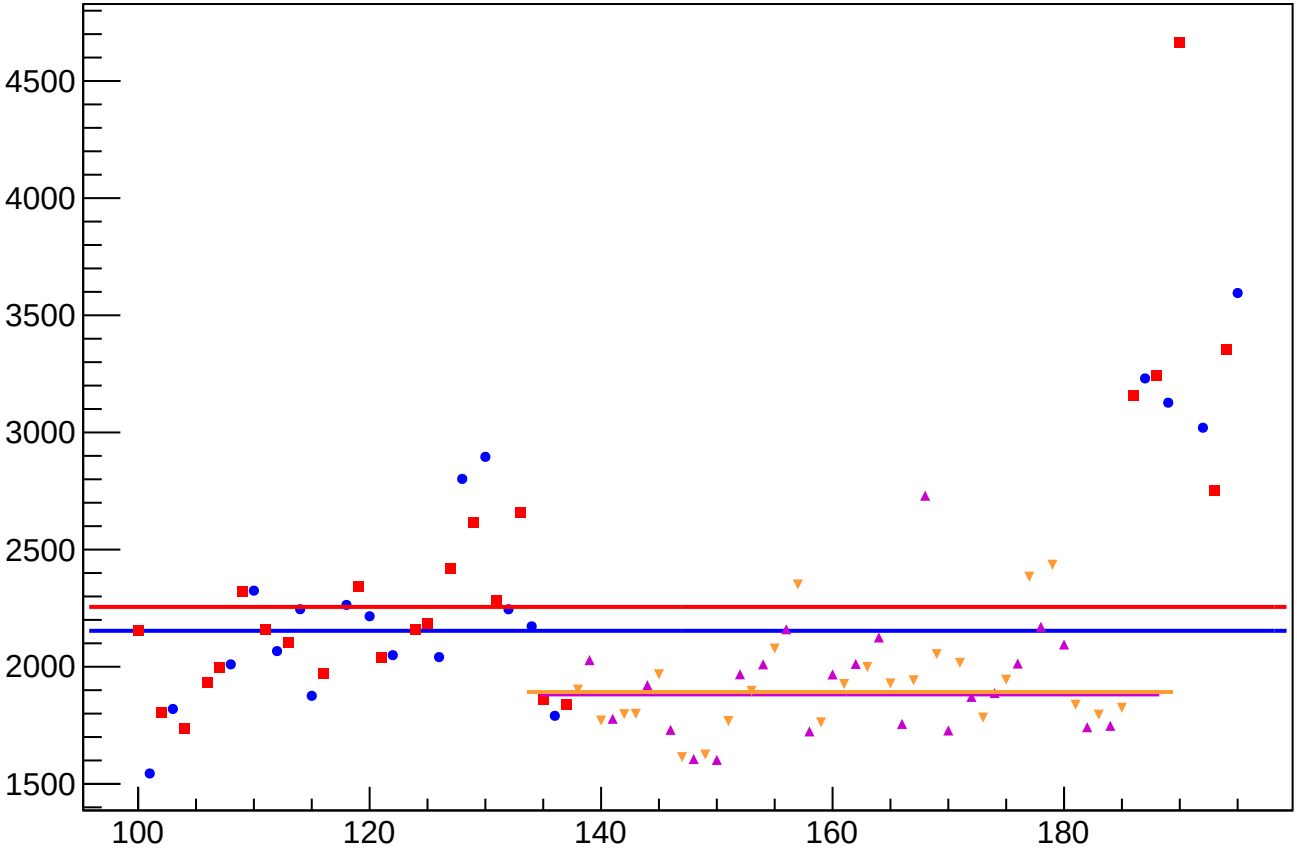
Right: 2883.908+/-498.519 χ^2/NDF: 35.3/43

In: 2456.093+/-375.683 χ^2/NDF:43.0/42

Out: 1935.291+/-368.505 χ^2/NDF:43.5/48

All: 2190.669+/-263.073 χ^2/NDF: 87.5/91

asym_usr_rms vs Slug, Sign Corrected



Right In: 2153.379+/-0.501 χ^2/NDF: 1044755.0/19

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2255.341+/-0.496 χ^2/NDF: 1005630.9/23

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

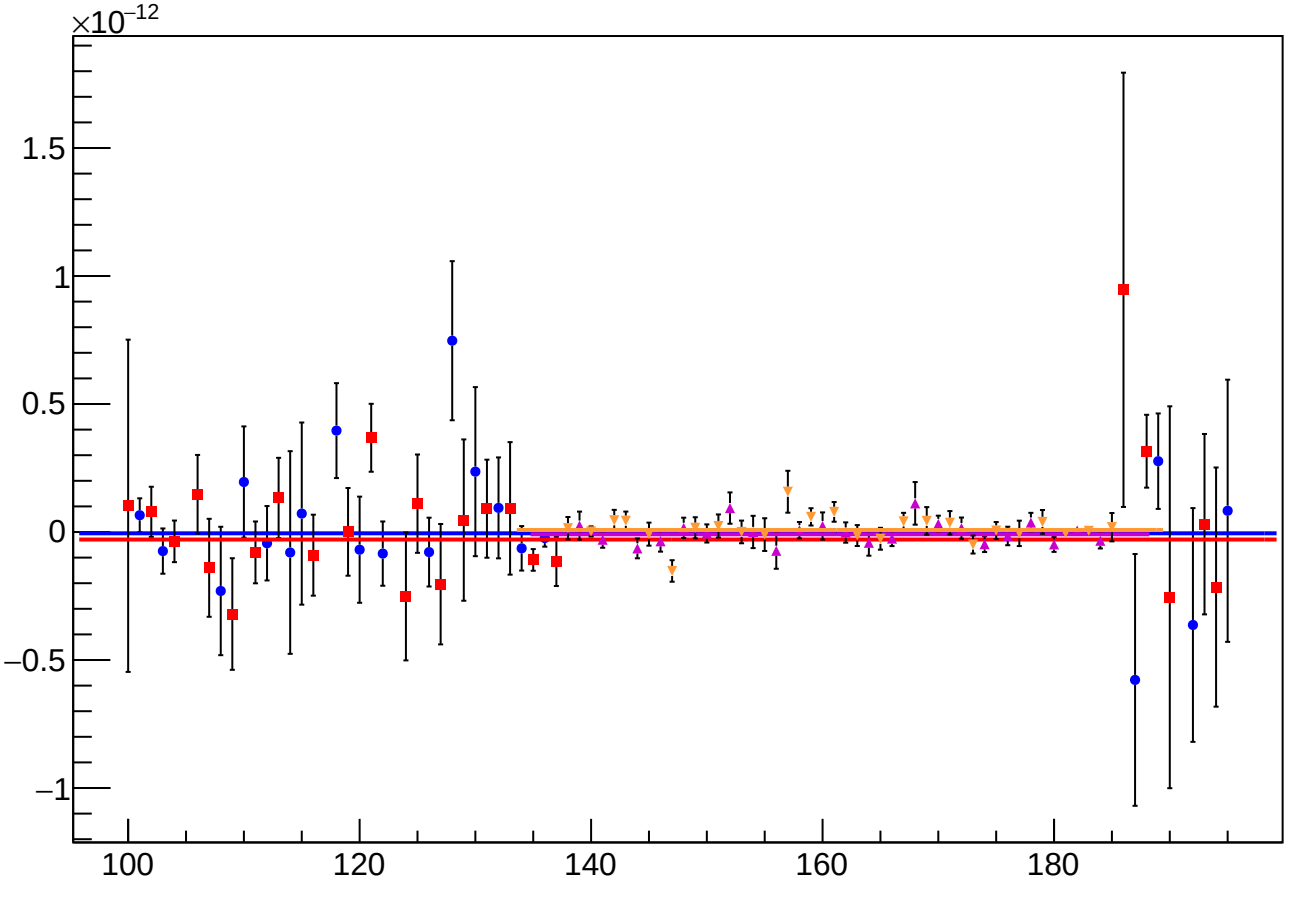
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2204.950+/-0.353 χ^2/NDF: 2071299.1/43

In: 1958.090+/-0.266 χ^2/NDF:1718283.2/42

Out: 1992.500+/-0.261 χ^2/NDF:1783874.3/48

All: 1975.627+/-0.186 χ^2/NDF: 3510708.8/91



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/23

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

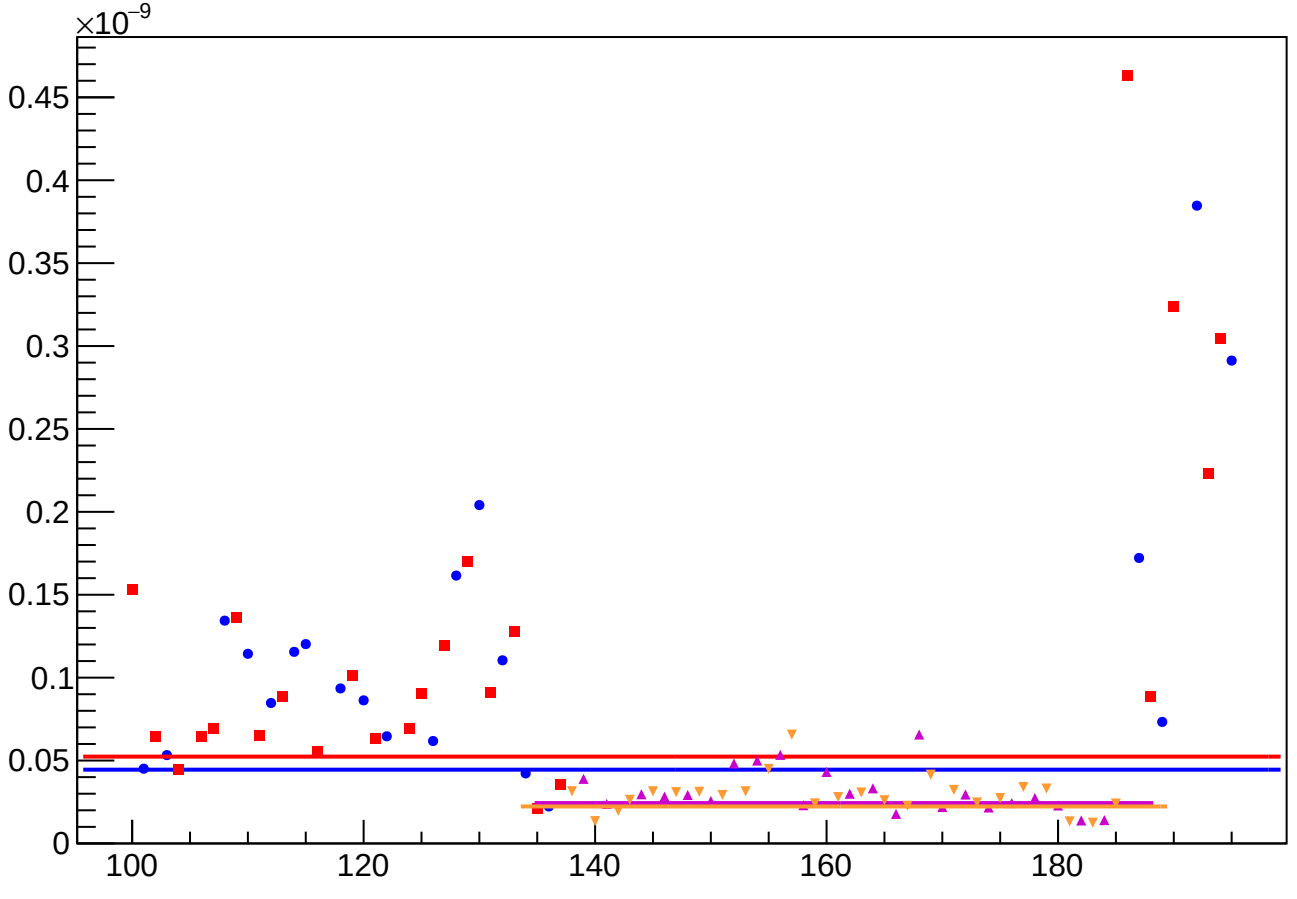
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 50.7/43

In: -0.000+/-0.000 χ^2/NDF:39.8/42

Out: 0.000+/-0.000 χ^2/NDF:63.7/48

All: -0.000+/-0.000 χ^2/NDF: 105.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 4709038.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4564748.8/23

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

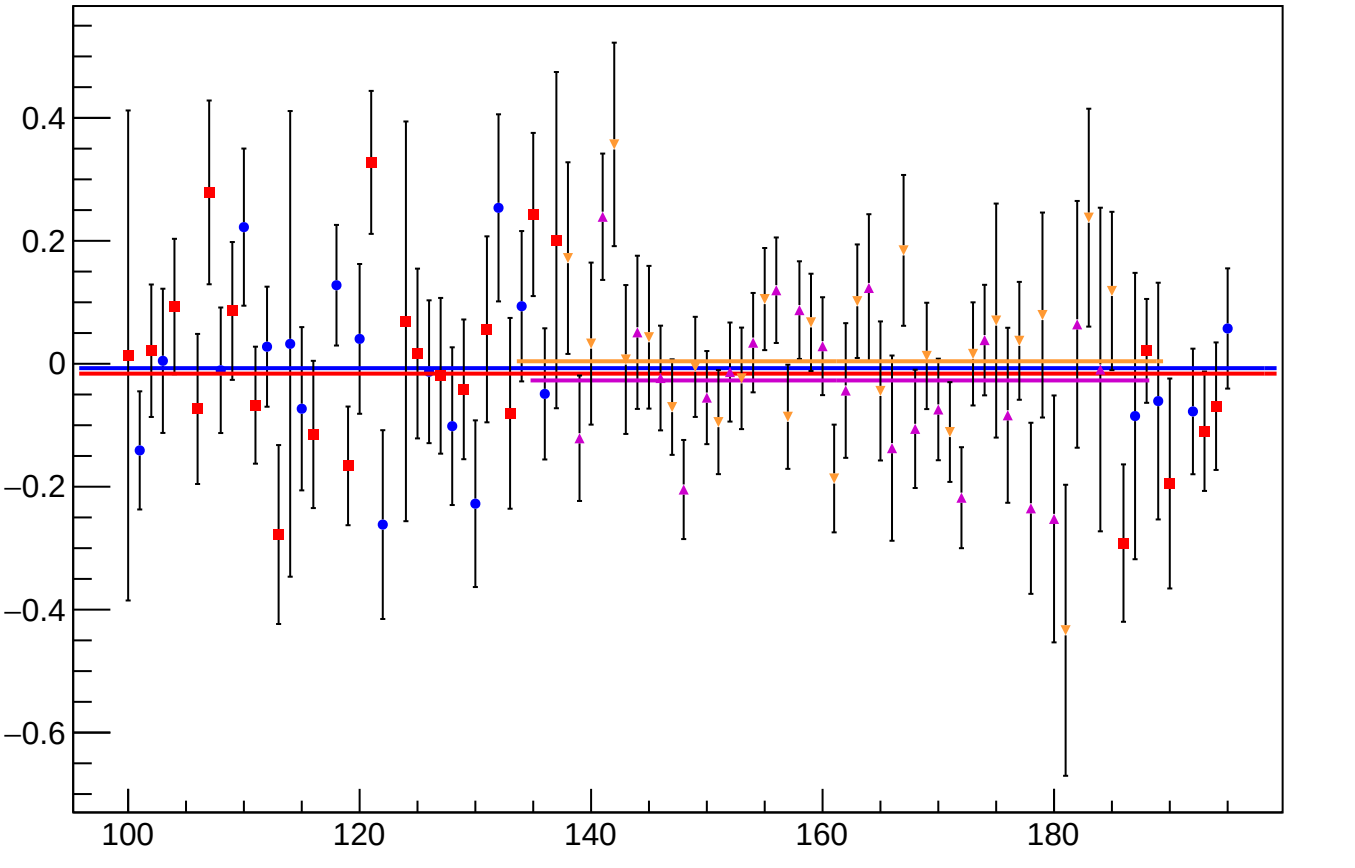
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9371111.5/43

In: 0.000+/-0.000 χ^2/NDF:9118540.2/42

Out: 0.000+/-0.000 χ^2/NDF:10622900.6/48

All: 0.000+/-0.000 χ^2/NDF: 19818515.5/91



Right In: -0.007+/-0.027 χ^2/NDF: 18.4/19

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.025 χ^2/NDF: 33.5/23

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

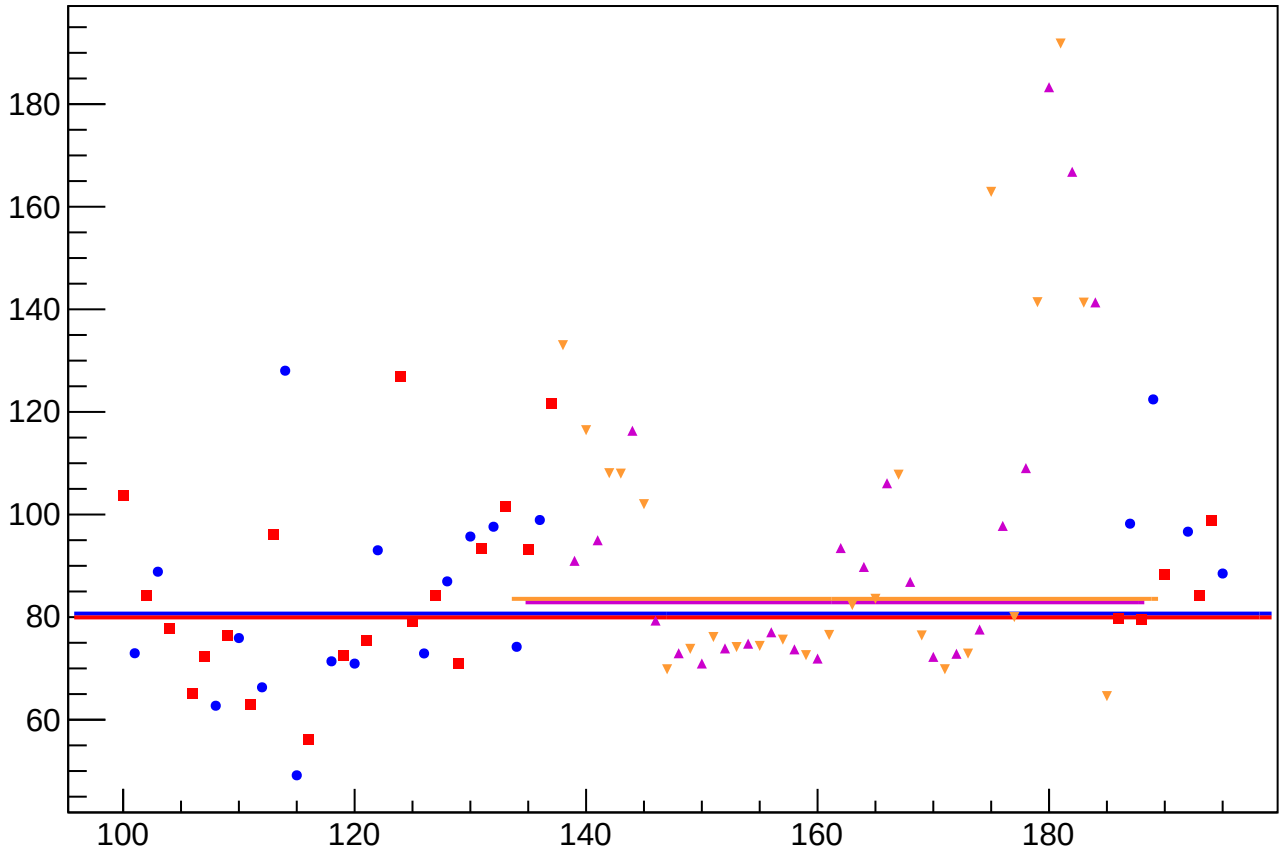
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.012+/-0.019 χ^2/NDF: 52.0/43

In: -0.020+/-0.016 χ^2/NDF:50.7/42

Out: -0.004+/-0.016 χ^2/NDF:62.1/48

All: -0.012+/-0.011 χ^2/NDF: 113.3/91



Right In: 80.687+/-0.019 χ^2/NDF: 612345.8/19

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 79.944+/-0.018 χ^2/NDF: 481548.0/23

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

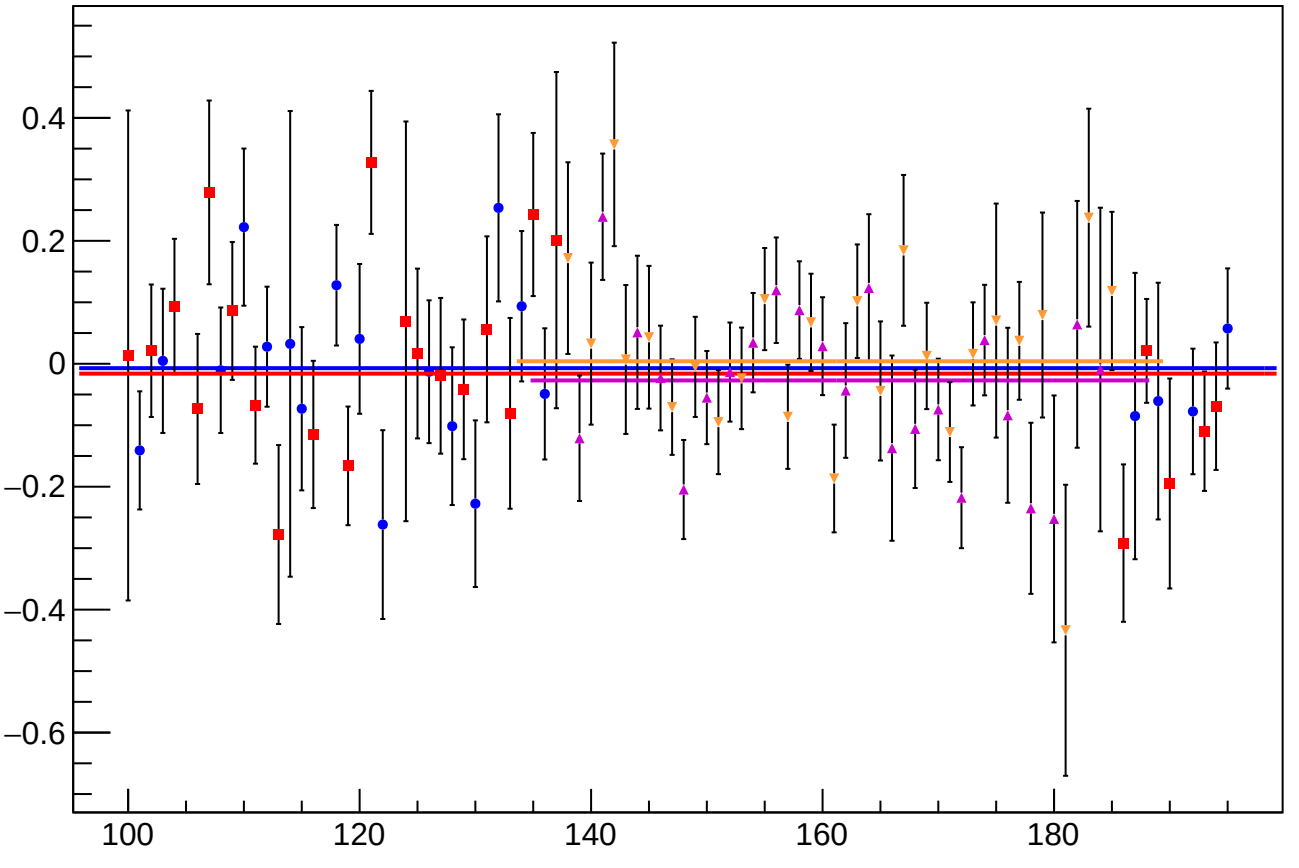
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 80.289+/-0.013 χ^2/NDF: 1094695.3/43

In: 82.089+/-0.012 χ^2/NDF:2193709.0/42

Out: 82.144+/-0.011 χ^2/NDF:2679423.5/48

All: 82.118+/-0.008 χ^2/NDF: 4873144.0/91



Right In: -0.007+/-0.027 χ^2/NDF: 18.4/19

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.025 χ^2/NDF: 33.5/23

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

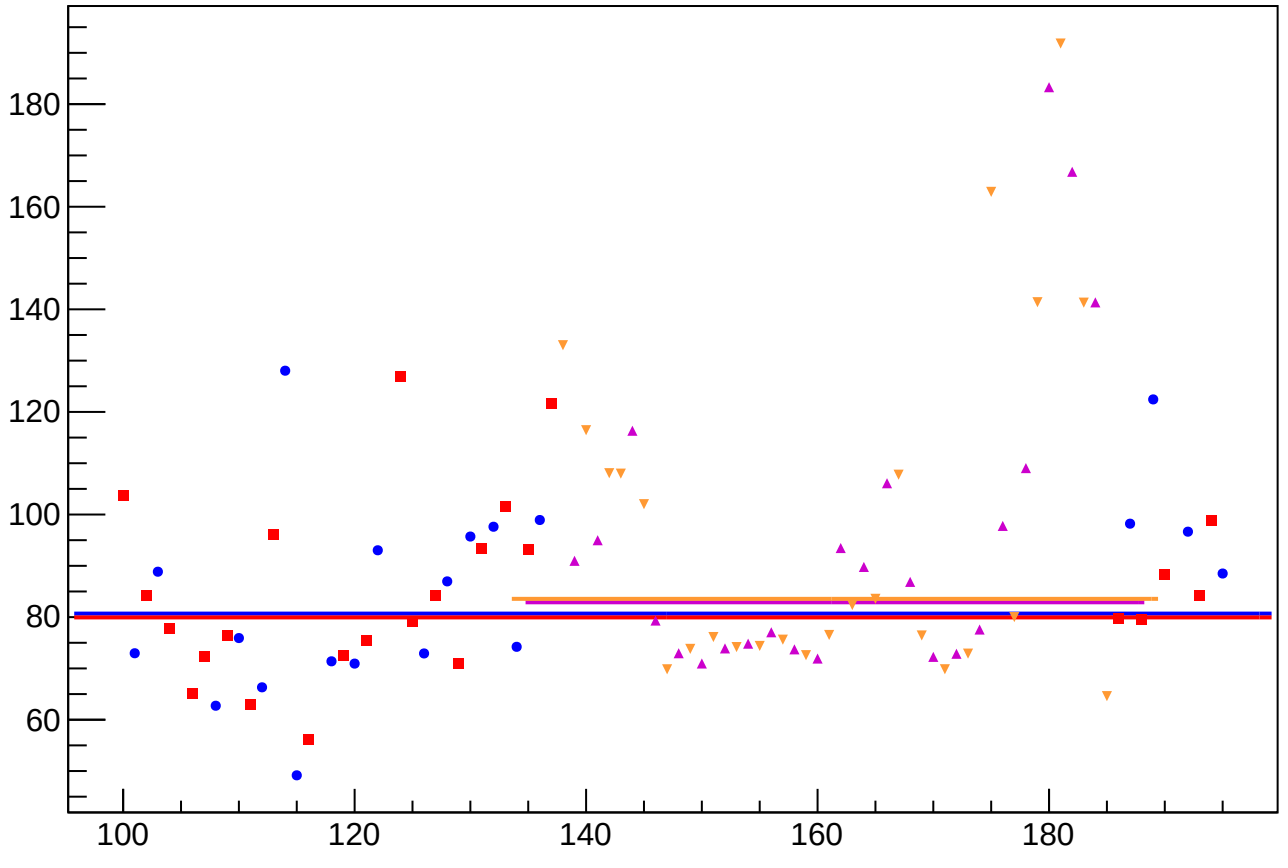
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.012+/-0.019 χ^2/NDF: 52.0/43

In: -0.020+/-0.016 χ^2/NDF:50.7/42

Out: -0.004+/-0.016 χ^2/NDF:62.1/48

All: -0.012+/-0.011 χ^2/NDF: 113.3/91



Right In: 80.687+/-0.019 χ^2/NDF: 612345.8/19

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 79.944+/-0.018 χ^2/NDF: 481548.0/23

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

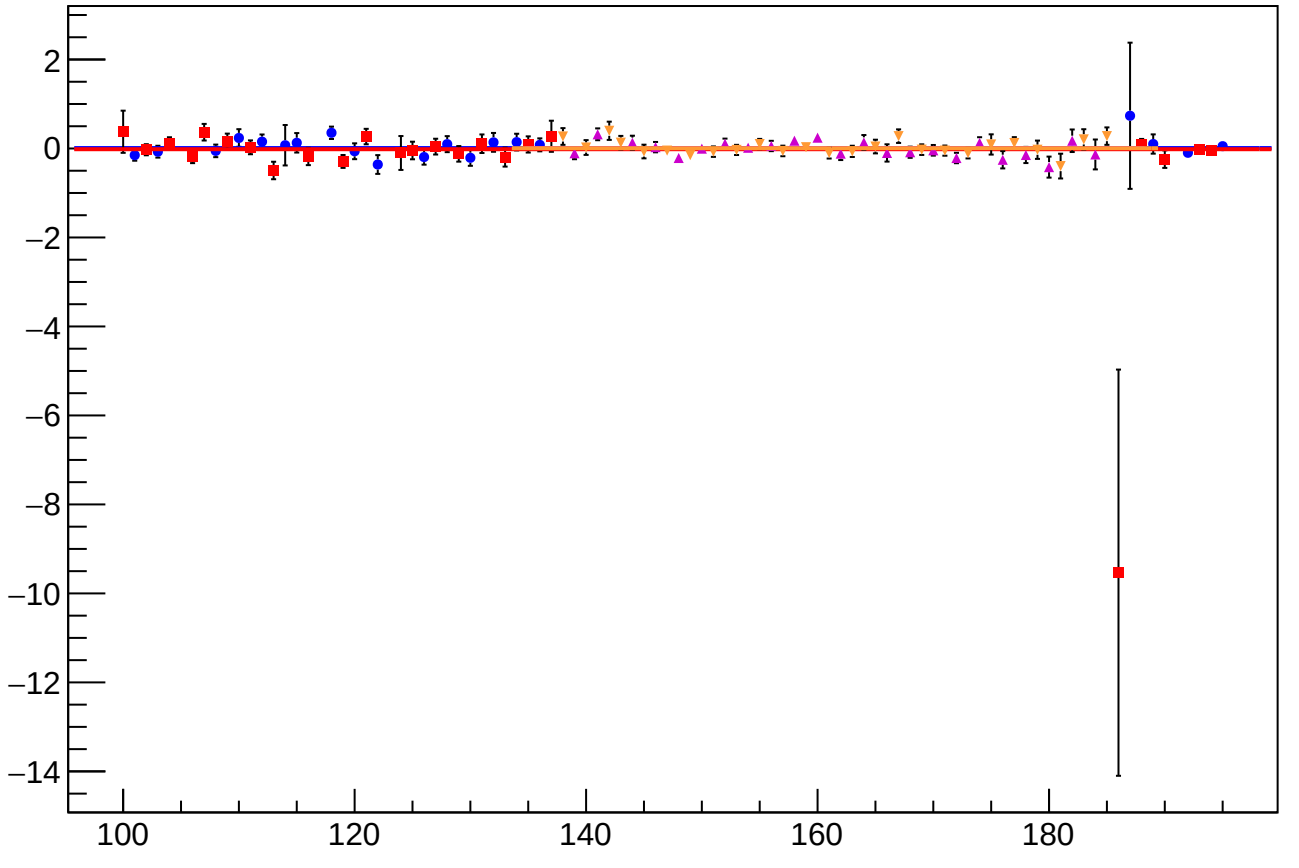
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 80.289+/-0.013 χ^2/NDF: 1094695.3/43

In: 82.089+/-0.012 χ^2/NDF:2193709.0/42

Out: 82.144+/-0.011 χ^2/NDF:2679423.5/48

All: 82.118+/-0.008 χ^2/NDF: 4873144.0/91



Right In: 0.009+/-0.037 χ^2/NDF: 19.6/19

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.016+/-0.034 χ^2/NDF: 30.3/23

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

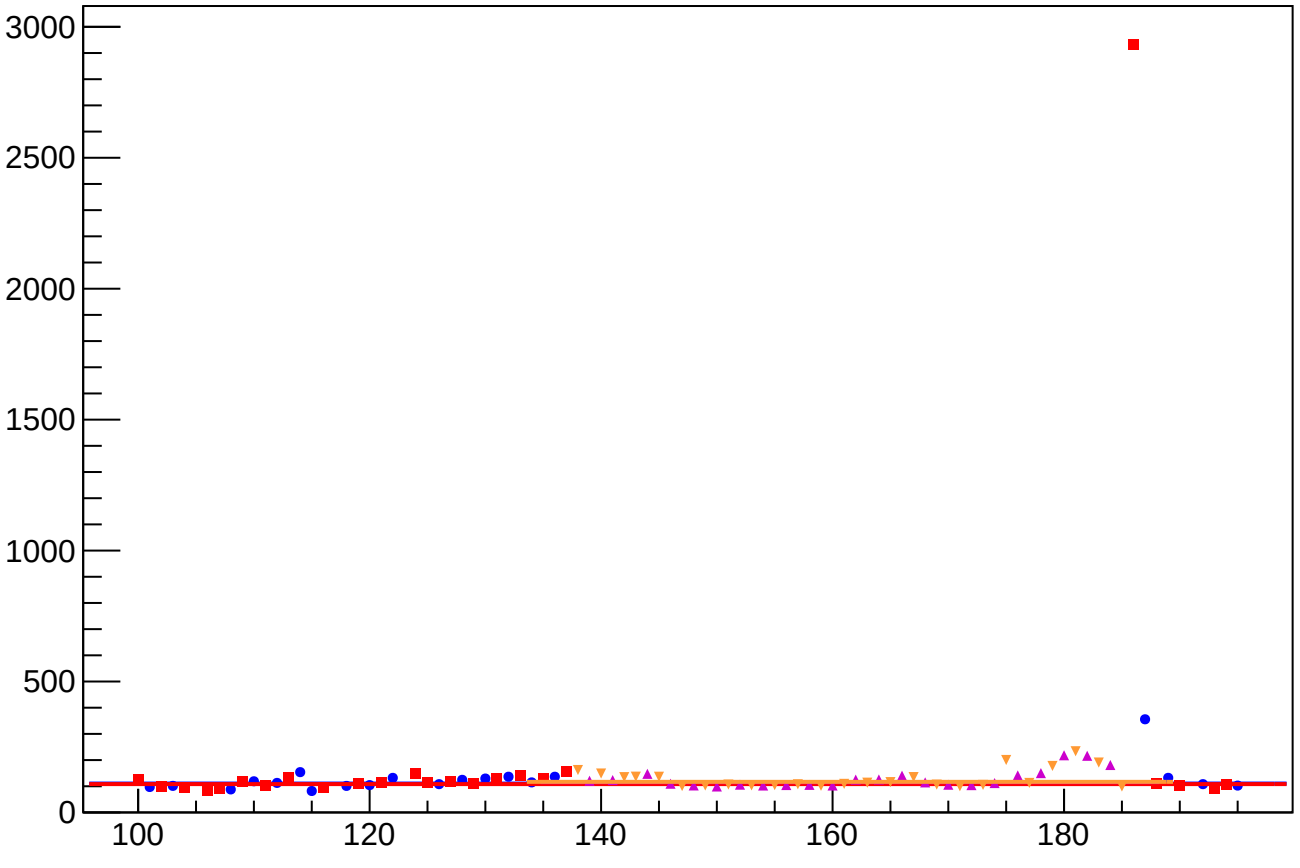
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: -0.004+/-0.025 χ^2/NDF: 50.1/43

In: 0.010+/-0.022 χ^2/NDF:50.9/42

Out: -0.003+/-0.022 χ^2/NDF:51.8/48

All: 0.003+/-0.016 χ^2/NDF: 102.9/91



Right In: 110.311+/-0.026 χ^2/NDF: 375242.4/19

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 108.261+/-0.024 χ^2/NDF: 1139918.3/23

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

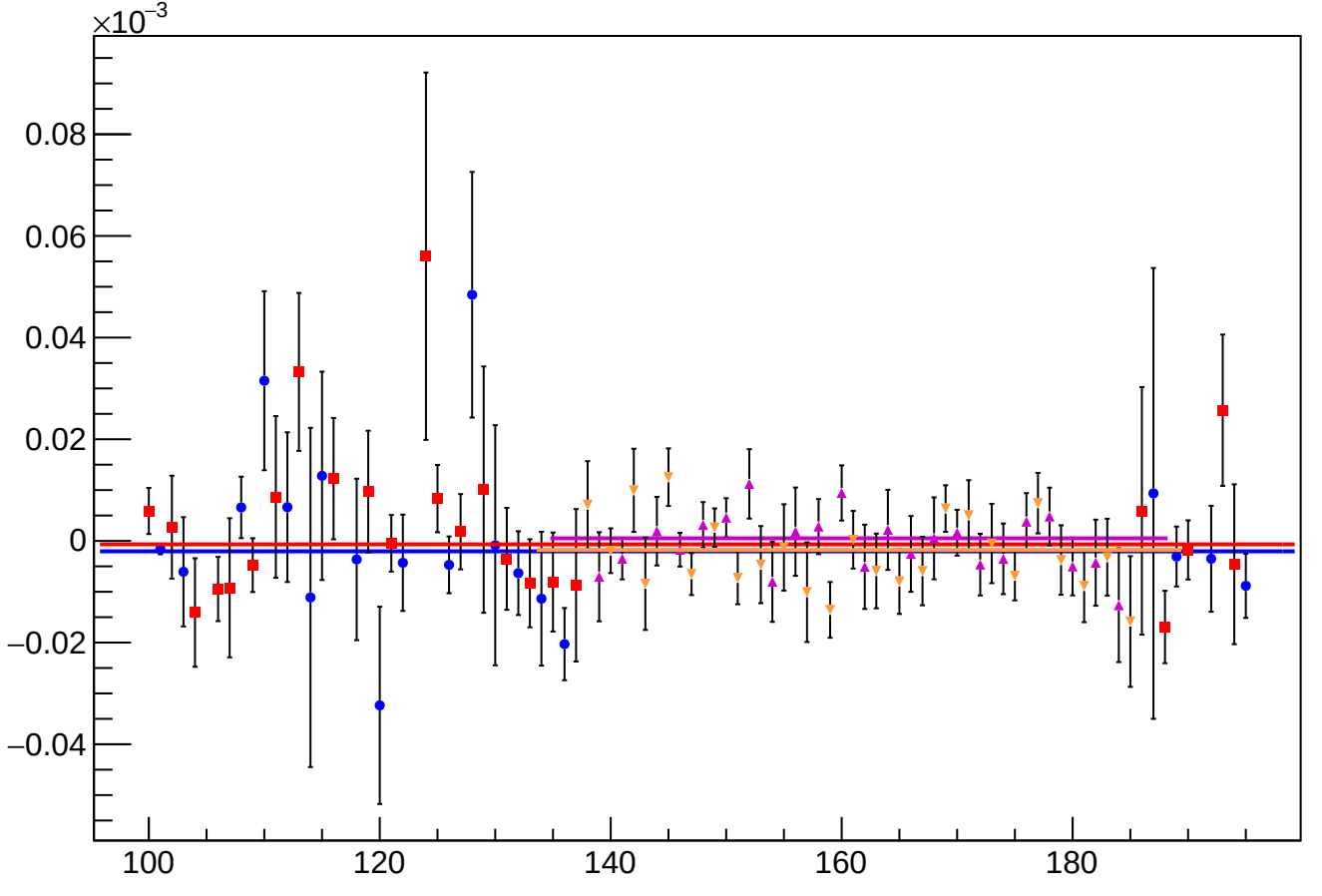
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 109.217+/-0.018 χ^2/NDF: 1518471.6/43

In: 113.808+/-0.016 χ^2/NDF:1635287.5/42

Out: 113.482+/-0.015 χ^2/NDF:2812841.1/48

All: 113.640+/-0.011 χ^2/NDF: 4448348.5/91



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/23

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

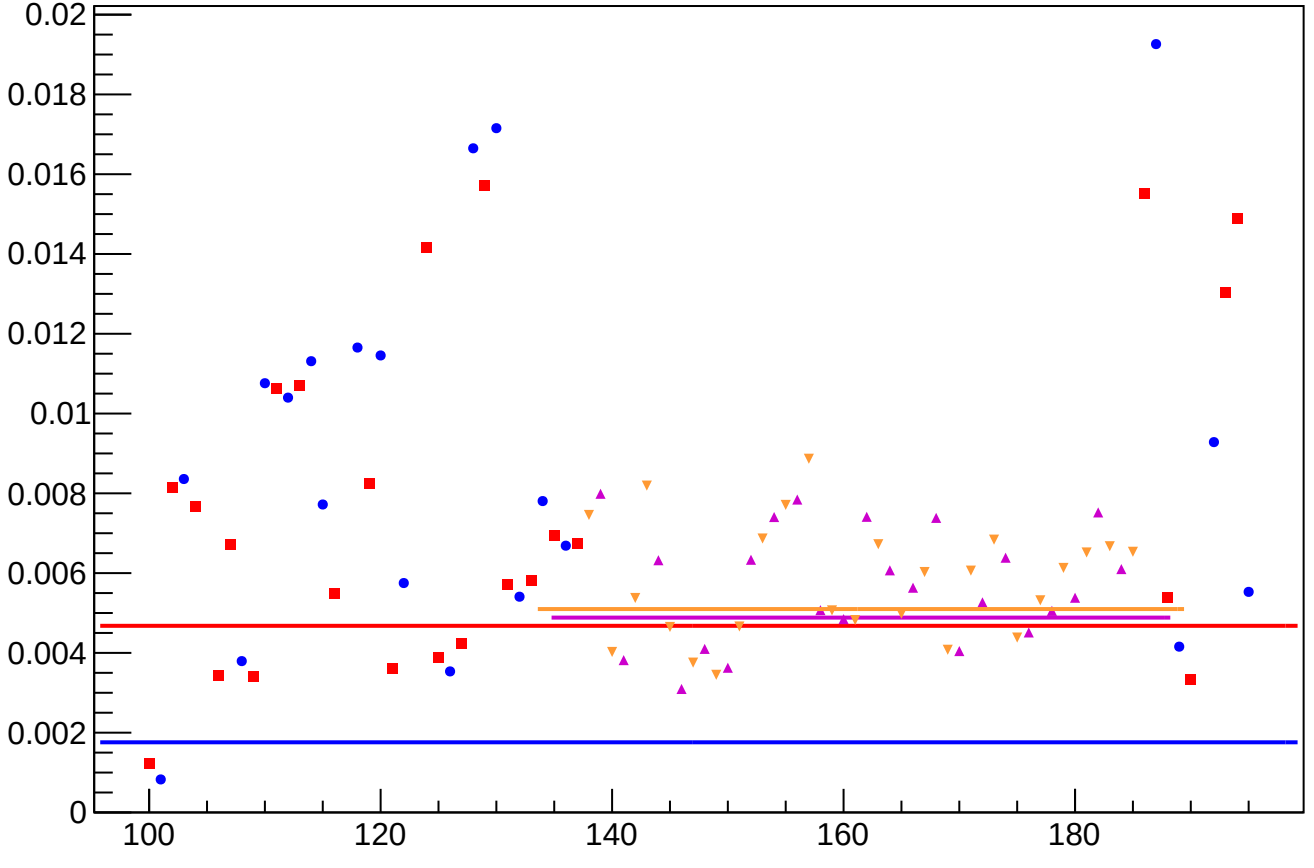
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 51.8/43

In: -0.000+/-0.000 χ^2/NDF:41.1/42

Out: -0.000+/-0.000 χ^2/NDF:59.9/48

All: -0.000+/-0.000 χ^2/NDF: 101.1/91



Right In: 0.002+/-0.000 χ^2/NDF: 11733864.0/19

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5420893.8/23

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

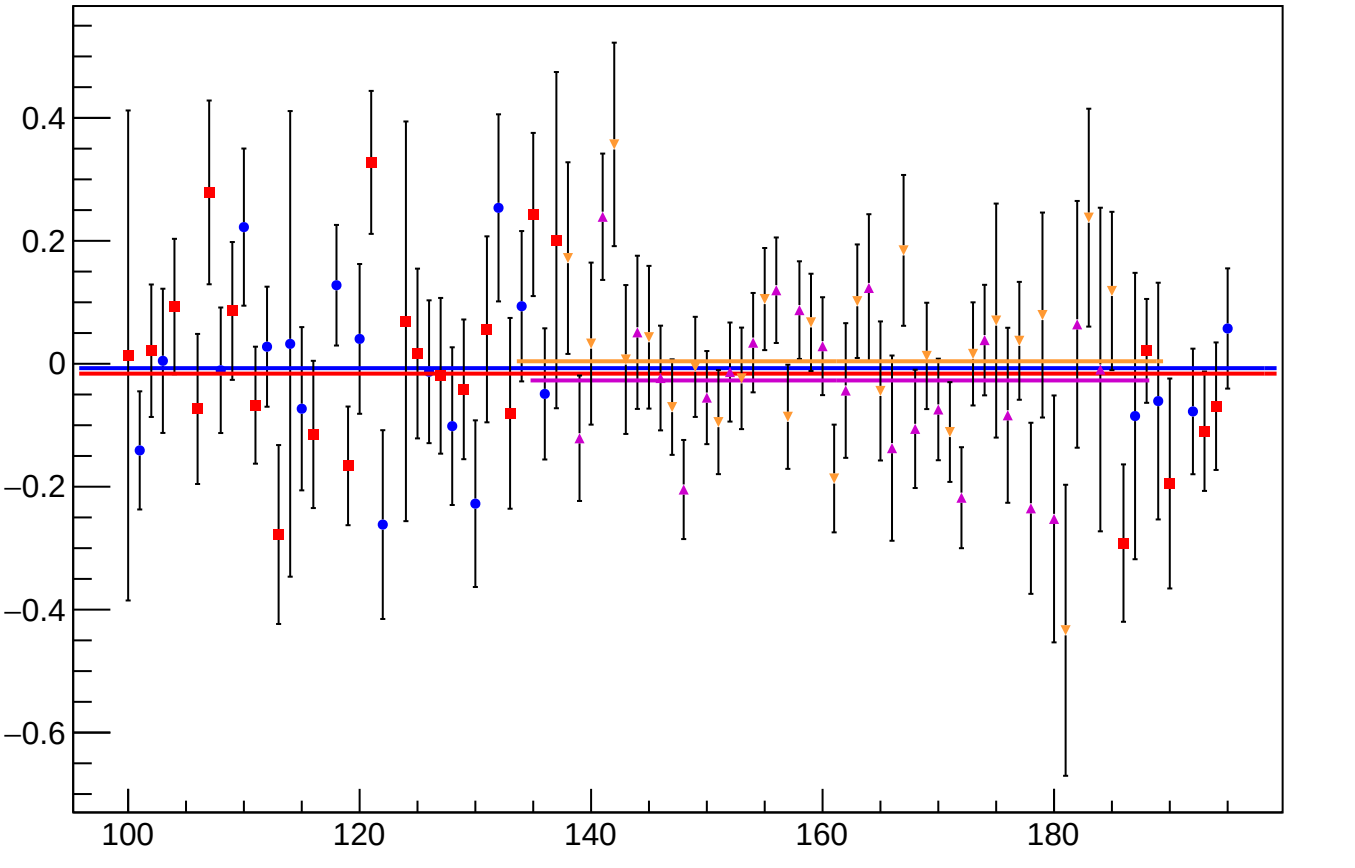
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.002+/-0.000 χ^2/NDF: 21492629.3/43

In: 0.003+/-0.000 χ^2/NDF:22879802.6/42

Out: 0.005+/-0.000 χ^2/NDF:7877882.8/48

All: 0.004+/-0.000 χ^2/NDF: 35961224.5/91



Right In: -0.007+/-0.027 χ^2/NDF: 18.4/19

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.025 χ^2/NDF: 33.5/23

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

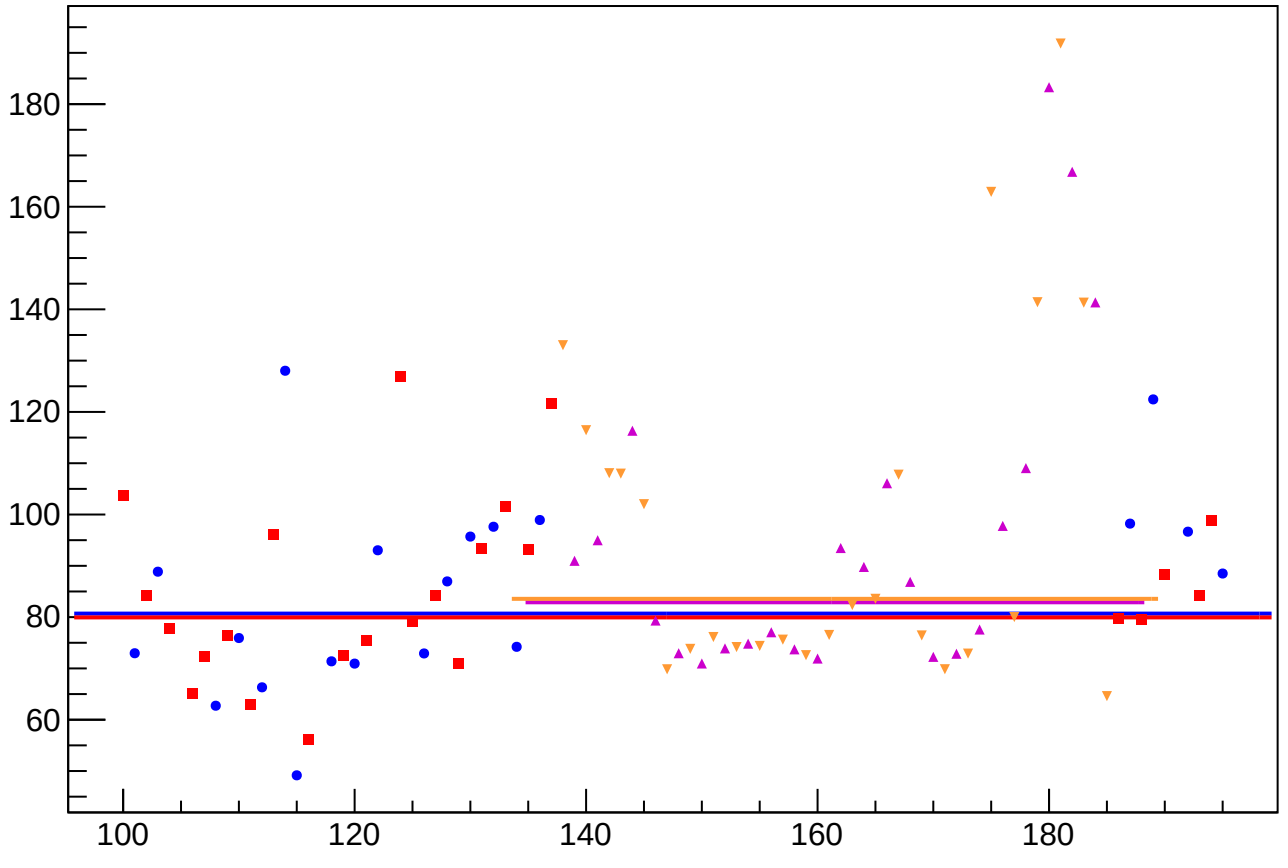
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.012+/-0.019 χ^2/NDF: 52.0/43

In: -0.020+/-0.016 χ^2/NDF:50.7/42

Out: -0.004+/-0.016 χ^2/NDF:62.1/48

All: -0.012+/-0.011 χ^2/NDF: 113.3/91



Right In: 80.686+/-0.019 χ^2/NDF: 612364.0/19

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 79.943+/-0.018 χ^2/NDF: 481563.6/23

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

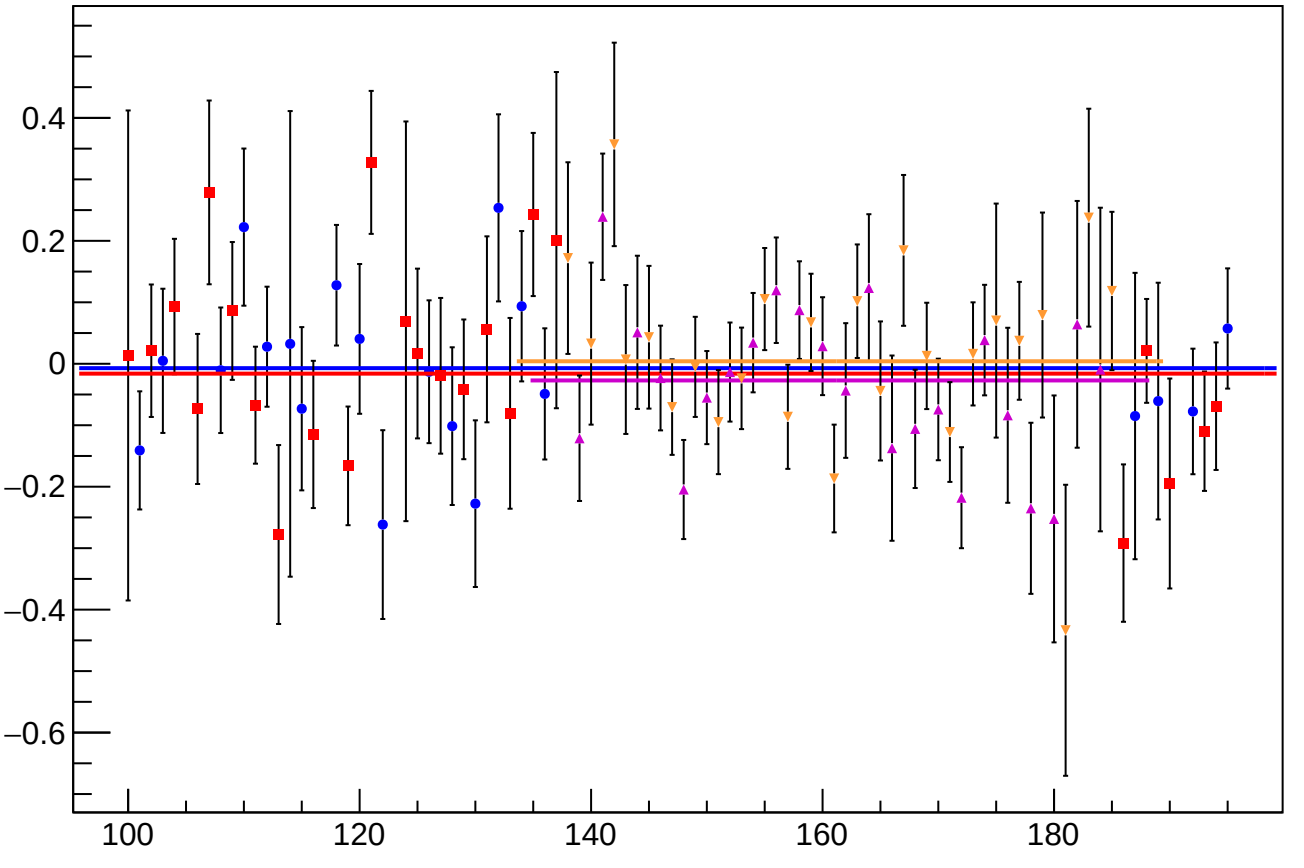
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 80.287+/-0.013 χ^2/NDF: 1094728.9/43

In: 82.089+/-0.012 χ^2/NDF:2193719.9/42

Out: 82.144+/-0.011 χ^2/NDF:2679456.4/48

All: 82.118+/-0.008 χ^2/NDF: 4873187.8/91



Right In: -0.007+/-0.027 χ^2/NDF: 18.4/19

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.025 χ^2/NDF: 33.5/23

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

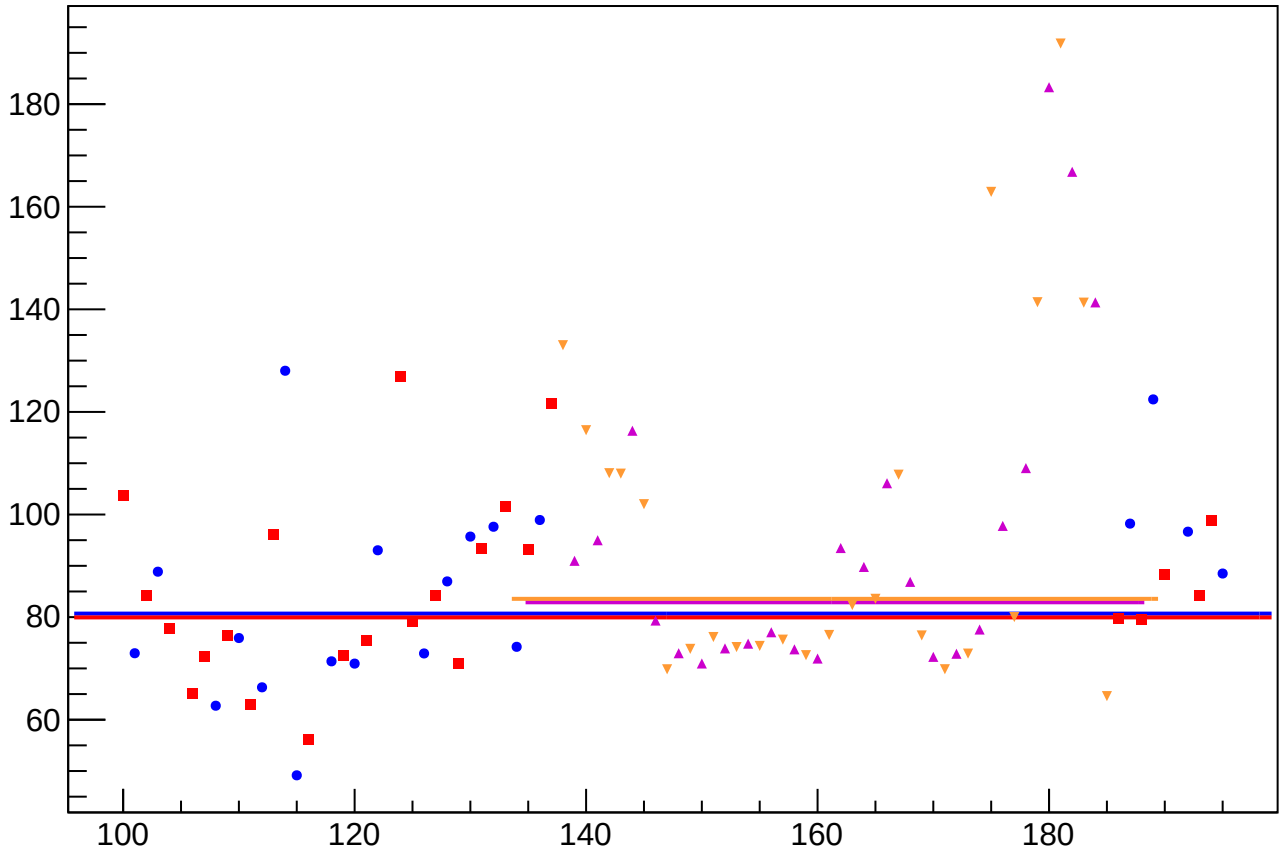
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.012+/-0.019 χ^2/NDF: 52.0/43

In: -0.020+/-0.016 χ^2/NDF:50.7/42

Out: -0.004+/-0.016 χ^2/NDF:62.1/48

All: -0.012+/-0.011 χ^2/NDF: 113.3/91



Right In: 80.686+/-0.019 χ^2/NDF: 612364.0/19

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 79.943+/-0.018 χ^2/NDF: 481563.6/23

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

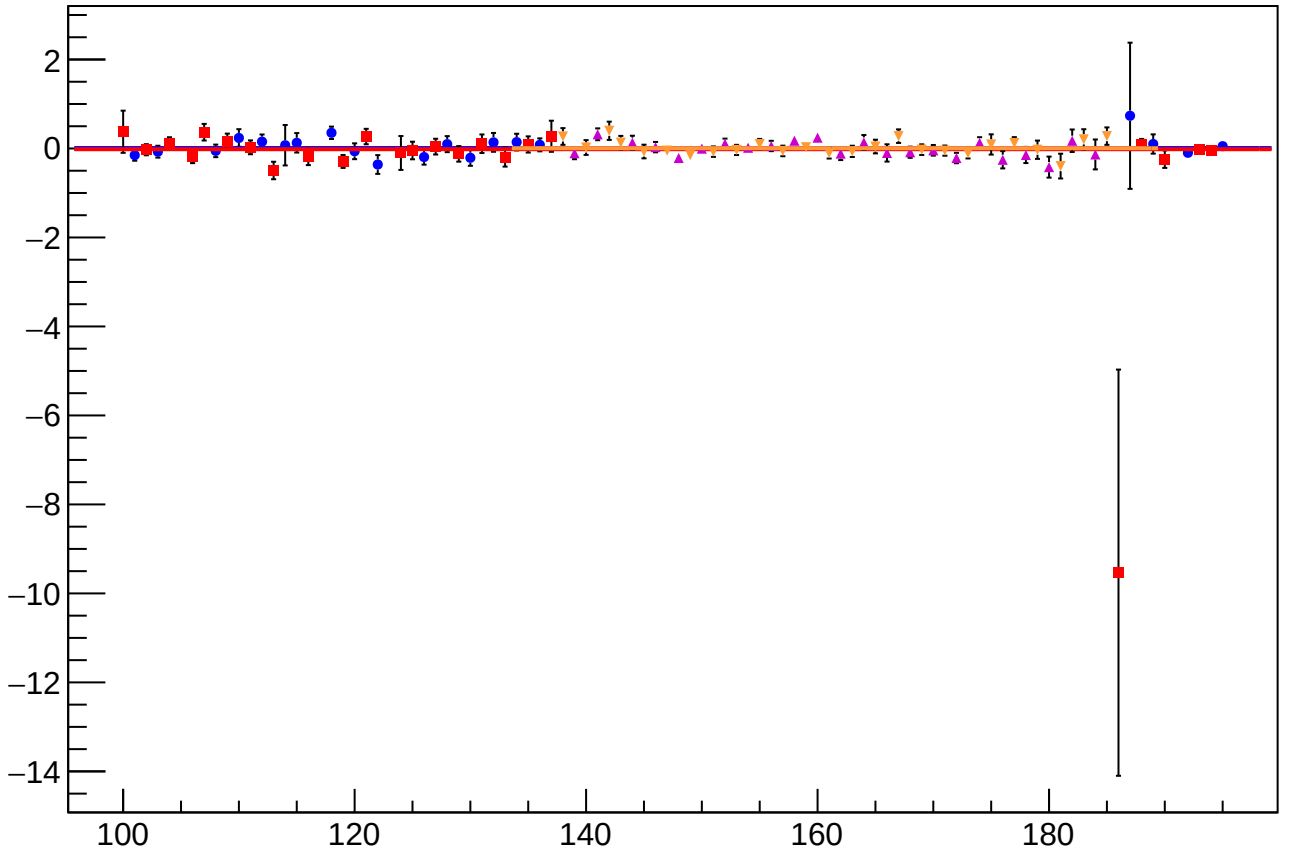
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 80.287+/-0.013 χ^2/NDF: 1094728.9/43

In: 82.089+/-0.012 χ^2/NDF:2193719.9/42

Out: 82.144+/-0.011 χ^2/NDF:2679456.4/48

All: 82.118+/-0.008 χ^2/NDF: 4873187.8/91



Right In: 0.009+/-0.037 χ^2/NDF: 19.6/19

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.016+/-0.034 χ^2/NDF: 30.3/23

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

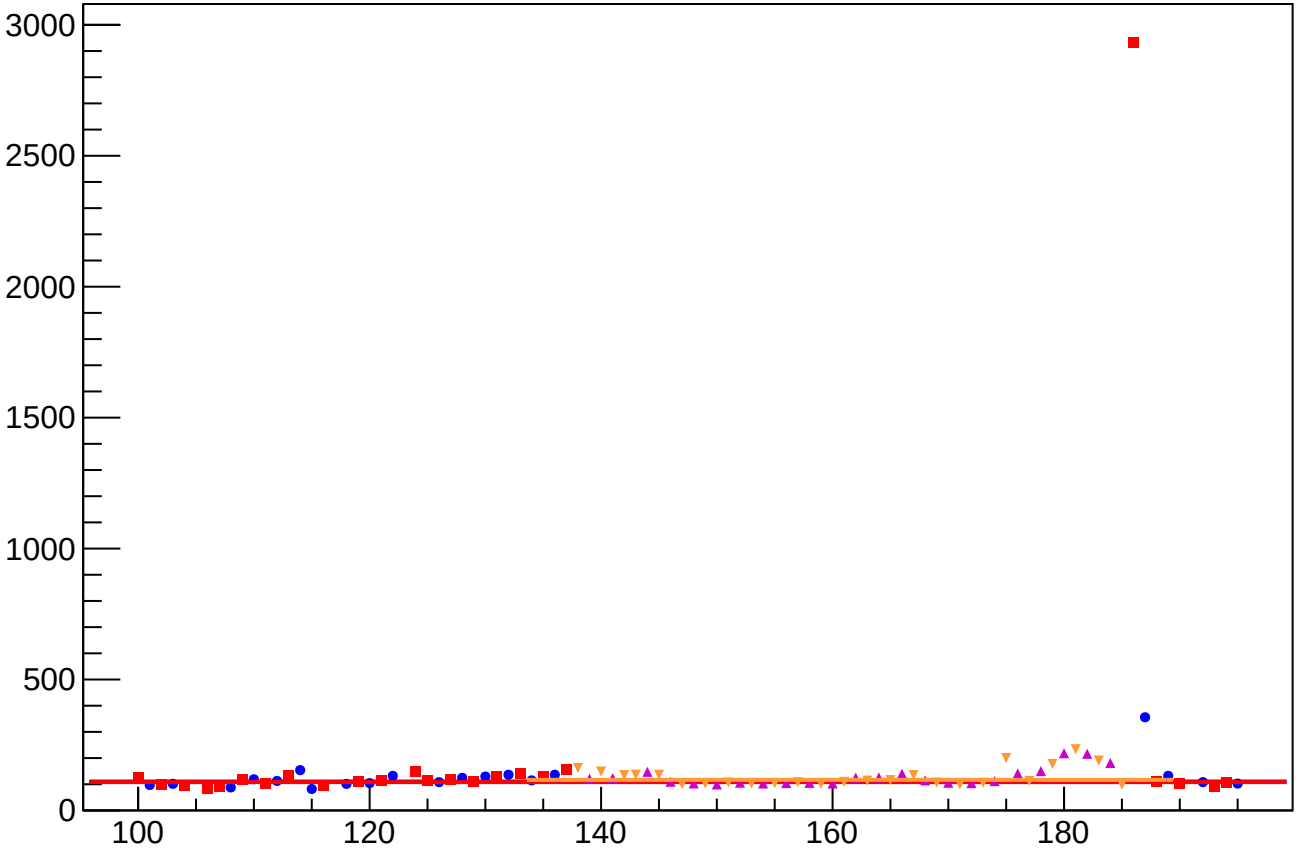
Right: -0.004+/-0.025 χ^2/NDF: 50.1/43

In: 0.010+/-0.022 χ^2/NDF:50.9/42

Out: -0.003+/-0.022 χ^2/NDF:51.8/48

All: 0.003+/-0.016 χ^2/NDF: 102.9/91

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.310+/-0.026 χ^2/NDF: 375222.8/19

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 108.260+/-0.024 χ^2/NDF: 1139894.6/23

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

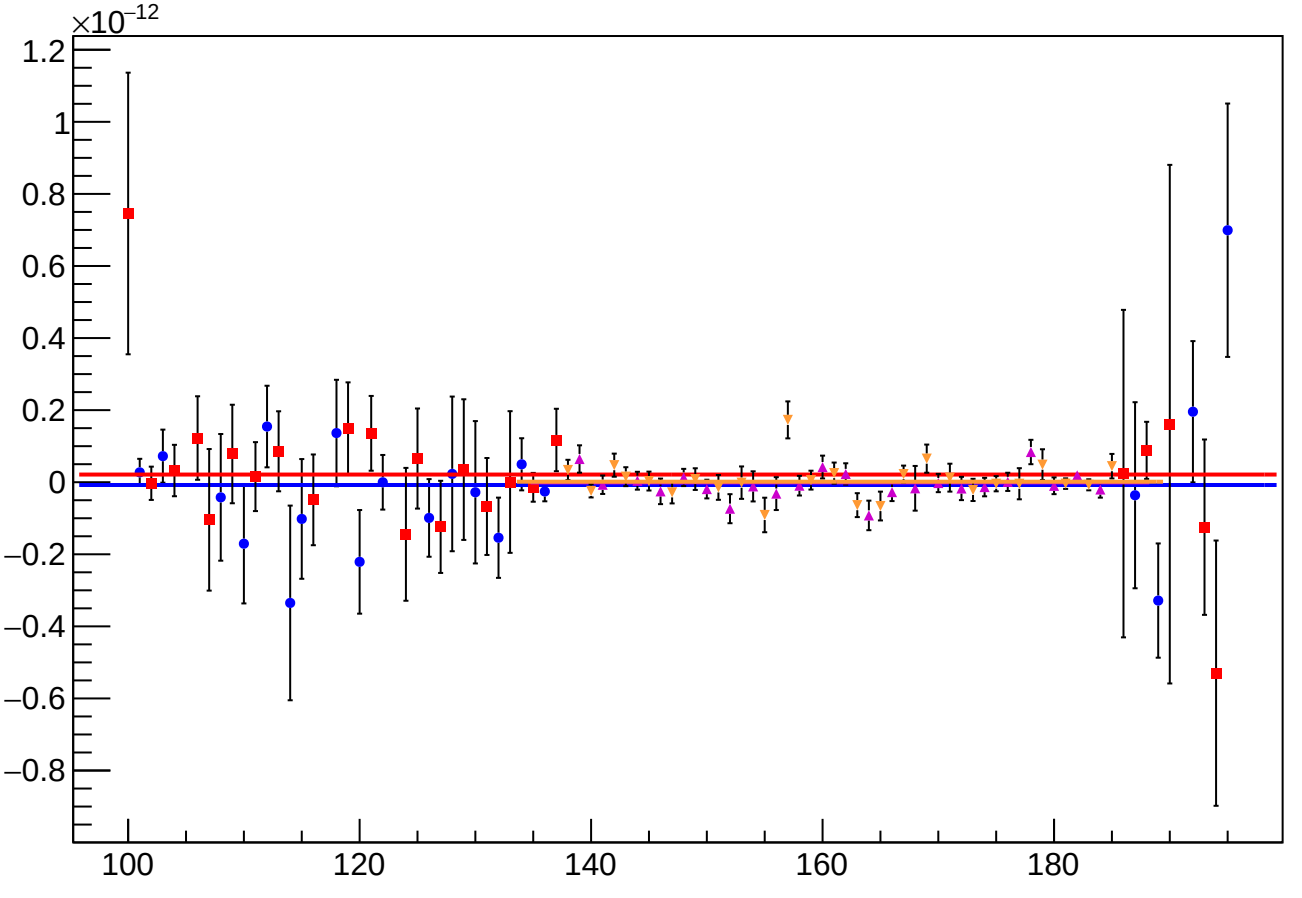
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 109.216+/-0.018 χ^2/NDF: 1518426.9/43

In: 113.808+/-0.016 χ^2/NDF:1635271.9/42

Out: 113.482+/-0.015 χ^2/NDF:2812829.5/48

All: 113.640+/-0.011 χ^2/NDF: 4448320.9/91



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/23

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

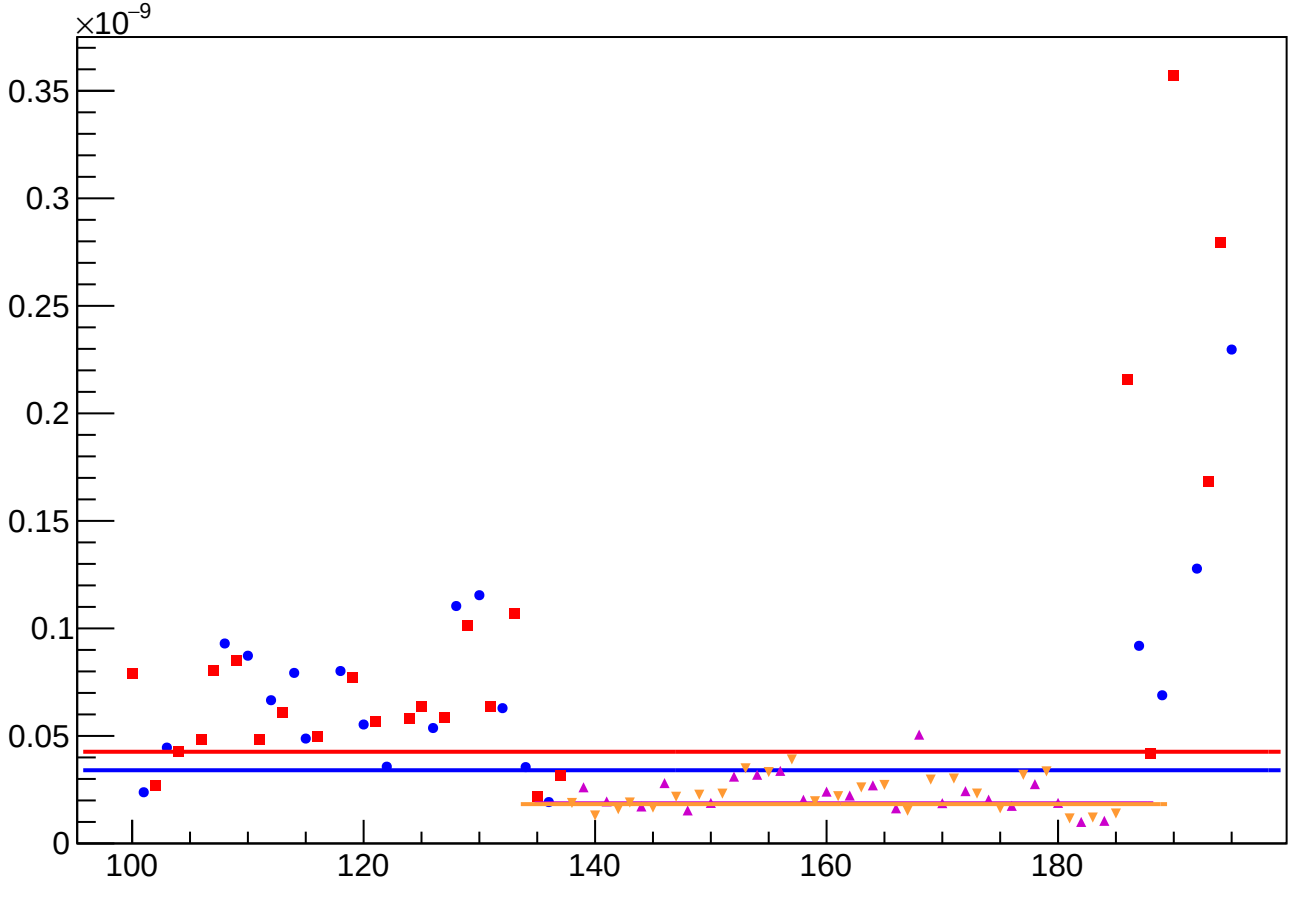
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 40.0/43

In: -0.000+/-0.000 χ^2/NDF:49.7/42

Out: 0.000+/-0.000 χ^2/NDF:53.5/48

All: 0.000+/-0.000 χ^2/NDF: 103.5/91



Right In: 0.000+/-0.000 χ^2/NDF: 3758912.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3926627.2/23

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

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

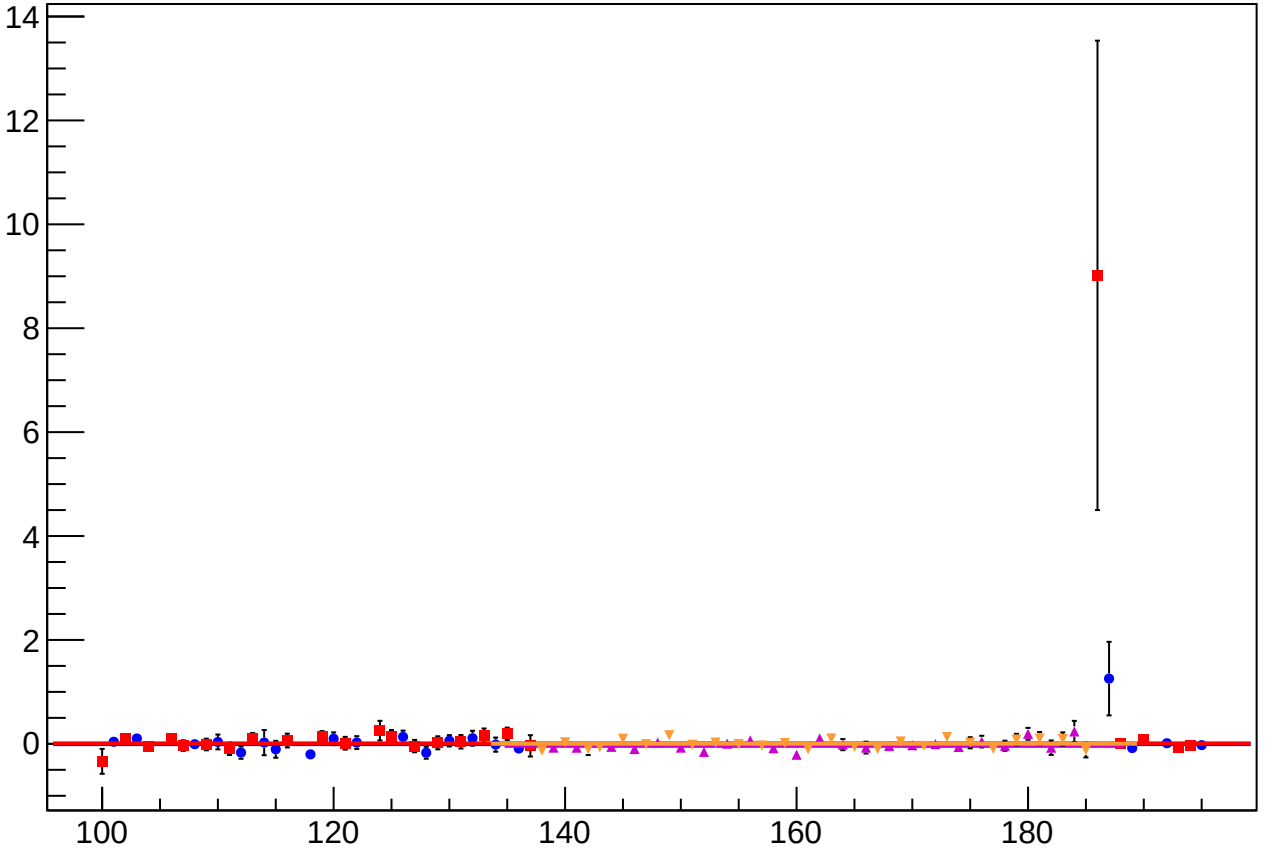
Right: 0.000+/-0.000 χ^2/NDF: 7889790.2/43

In: 0.000+/-0.000 χ^2/NDF:8039386.4/42

Out: 0.000+/-0.000 χ^2/NDF:9647688.1/48

All: 0.000+/-0.000 χ^2/NDF: 17688406.6/91

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 21.7/19

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.009+/-0.017 χ^2/NDF: 30.0/23

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

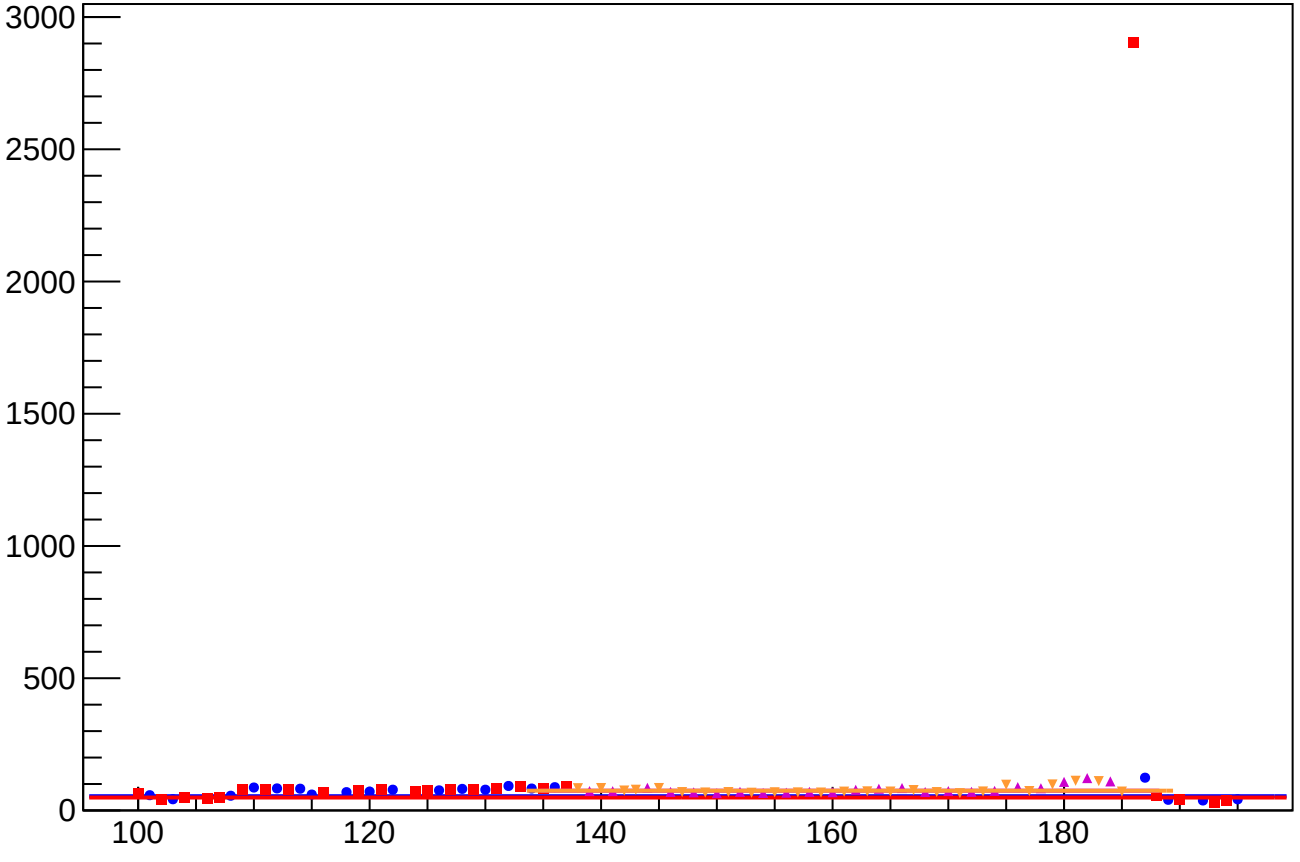
Right: 0.003+/-0.012 χ^2/NDF: 52.0/43

In: -0.022+/-0.013 χ^2/NDF:45.0/42

Out: 0.006+/-0.012 χ^2/NDF:51.6/48

All: -0.007+/-0.009 χ^2/NDF: 99.1/91

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.923+/-0.013 χ^2/NDF: 1883642.8/19

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 48.883+/-0.012 χ^2/NDF: 3393950.4/23

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

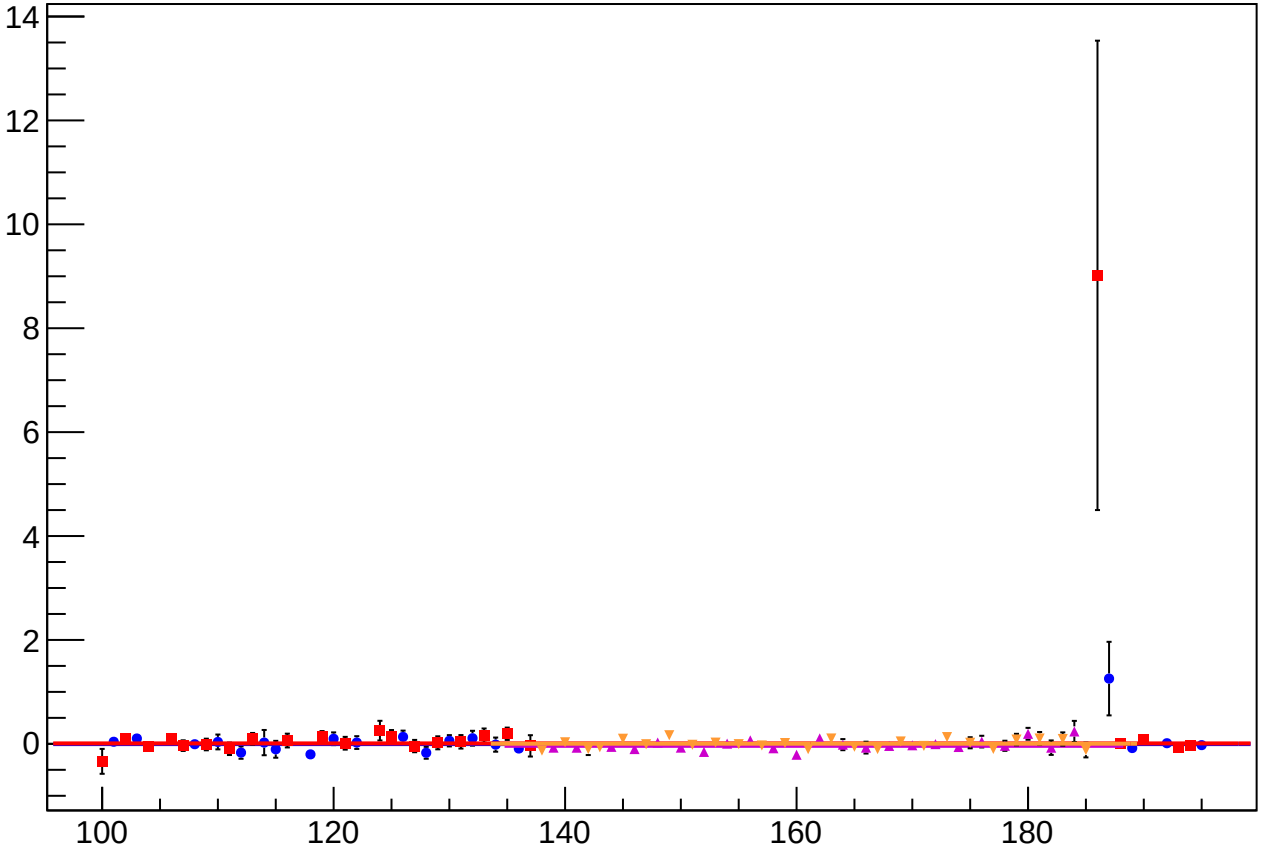
Right: 51.119+/-0.009 χ^2/NDF: 5358029.5/43

In: 64.753+/-0.009 χ^2/NDF:3871929.5/42

Out: 61.297+/-0.009 χ^2/NDF:6430078.3/48

All: 62.905+/-0.006 χ^2/NDF: 10378318.8/91

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 21.7/19

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.009+/-0.017 χ^2/NDF: 30.0/23

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

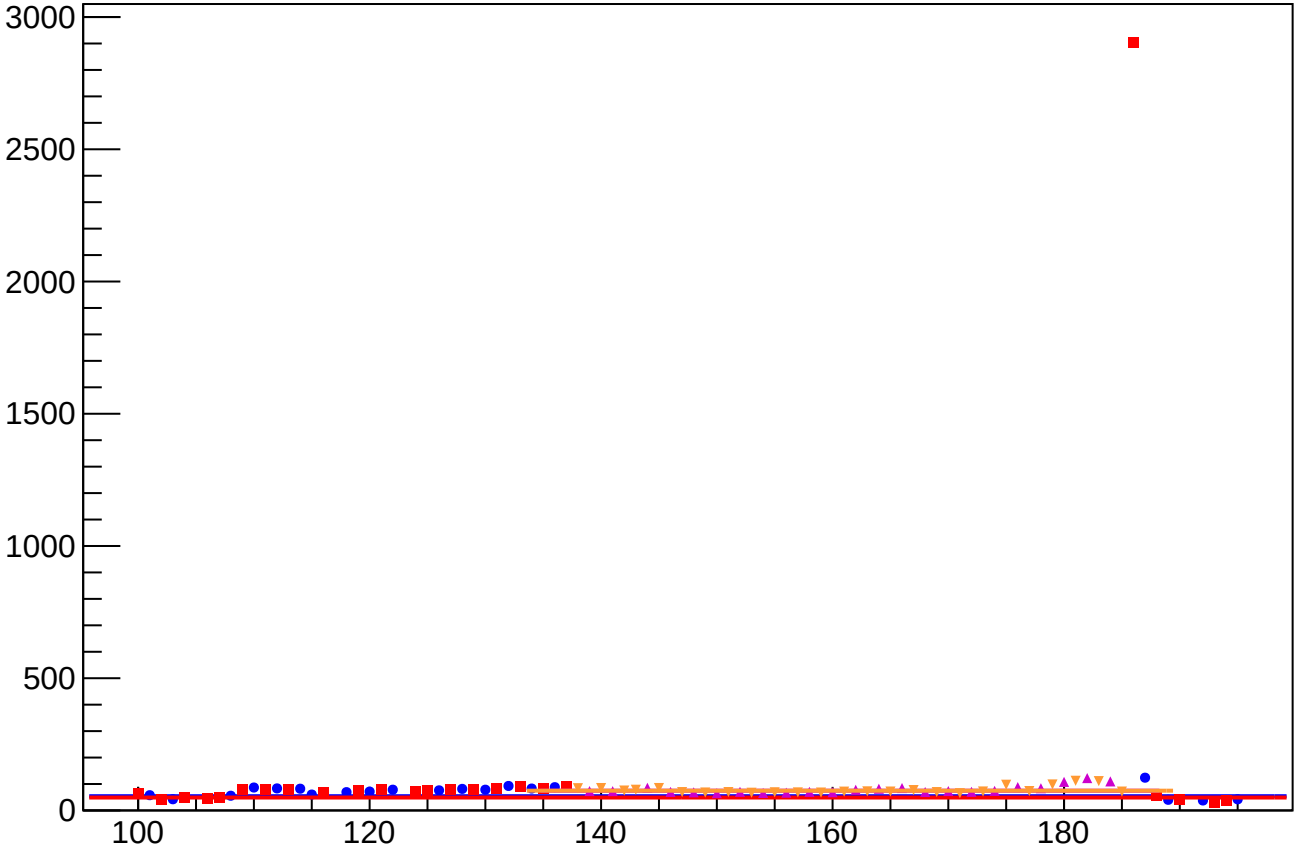
Right: 0.003+/-0.012 χ^2/NDF: 52.0/43

In: -0.022+/-0.013 χ^2/NDF:45.0/42

Out: 0.006+/-0.012 χ^2/NDF:51.6/48

All: -0.007+/-0.009 χ^2/NDF: 99.1/91

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.923+/-0.013 χ^2/NDF: 1883642.8/19

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 48.883+/-0.012 χ^2/NDF: 3393950.4/23

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

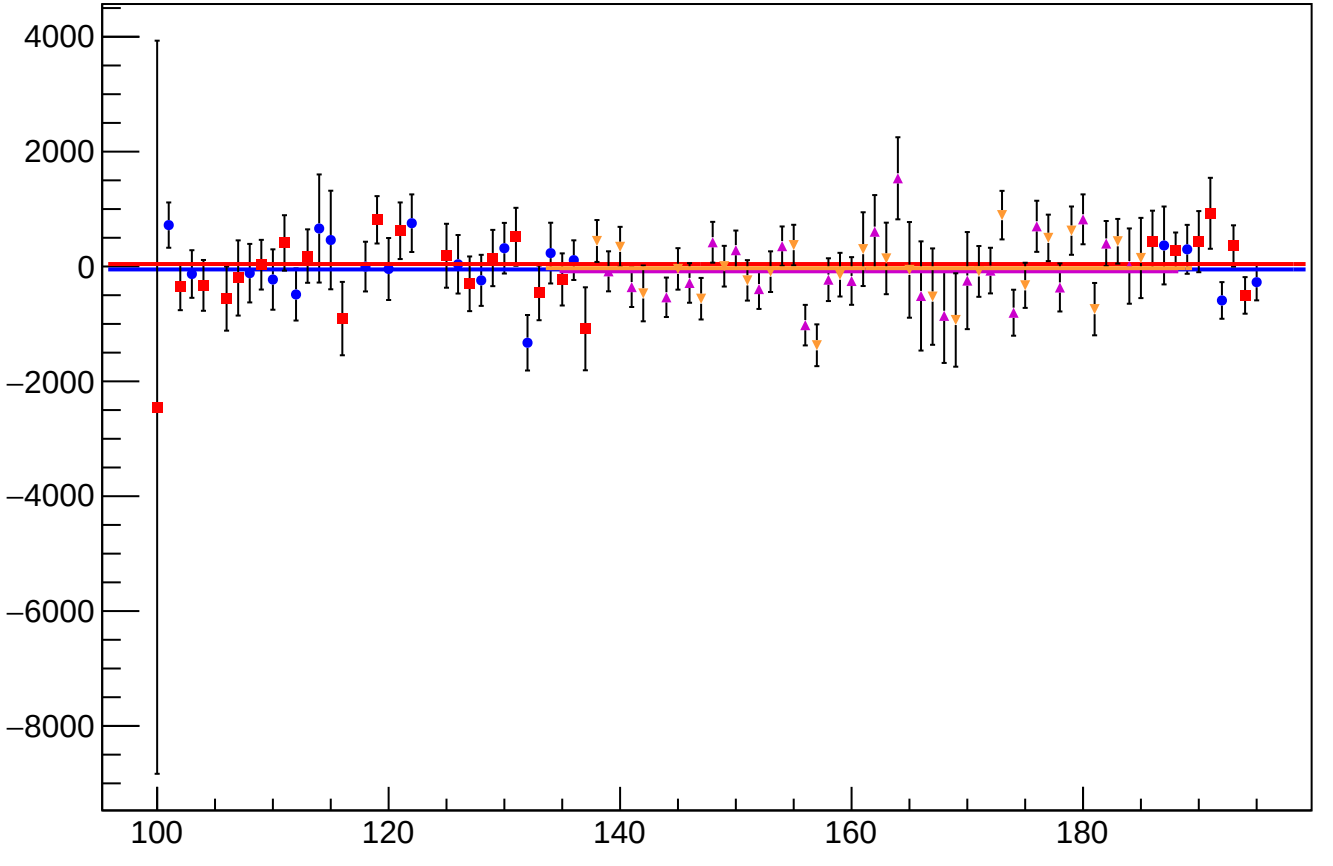
Right: 51.119+/-0.009 χ^2/NDF: 5358029.5/43

In: 64.753+/-0.009 χ^2/NDF:3871929.5/42

Out: 61.297+/-0.009 χ^2/NDF:6430078.3/48

All: 62.905+/-0.006 χ^2/NDF: 10378318.8/91

asym_dsl_mean vs Slug, Sign Corrected



Right In: -51.153+/-101.240 χ^2/NDF: 21.3/19

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 42.764+/-96.286 χ^2/NDF: 23.7/23

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

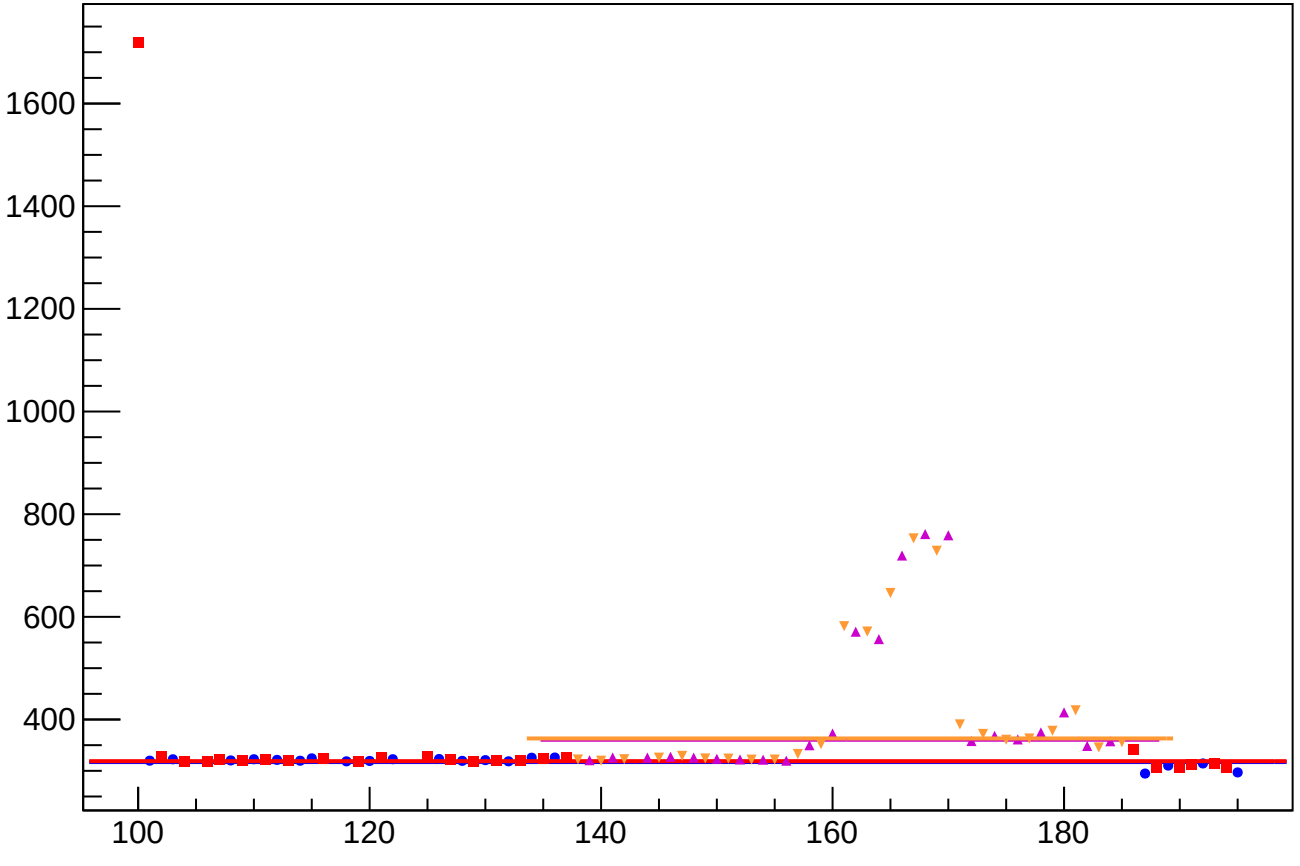
Right: -1.841+/-69.770 χ^2/NDF: 45.4/43

In: -69.982+/-65.754 χ^2/NDF:57.1/42

Out: 2.871+/-64.359 χ^2/NDF:60.6/47

All: -32.775+/-45.994 χ^2/NDF: 118.3/90

asym_dsl_rms vs Slug, Sign Corrected



Right In: 317.117+/-0.072 χ^2/NDF: 14616.8/19

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 318.840+/-0.068 χ^2/NDF: 109904.5/23

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

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

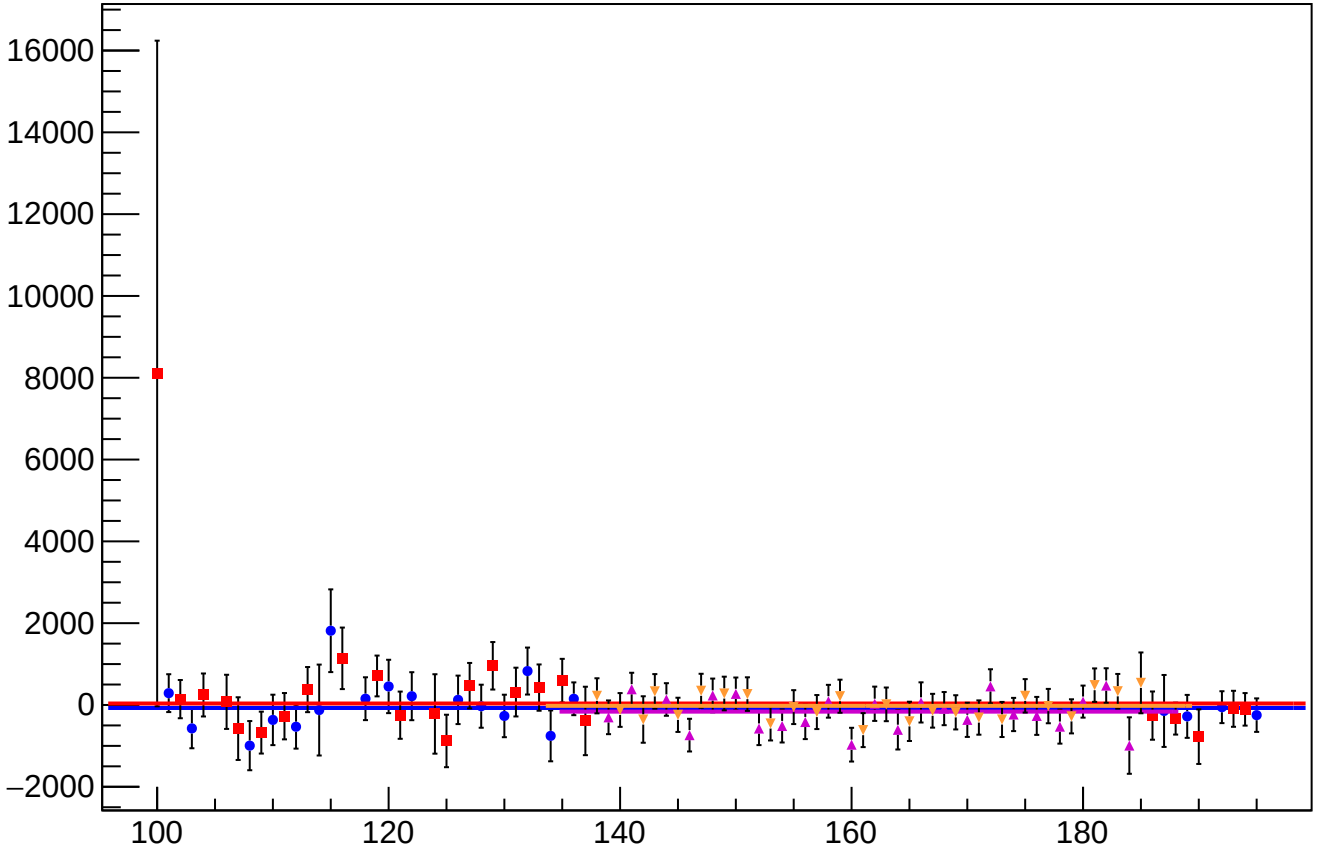
Right: 318.022+/-0.049 χ^2/NDF: 124825.3/43

In: 342.249+/-0.046 χ^2/NDF:2045473.3/42

Out: 343.314+/-0.046 χ^2/NDF:2139041.4/47

All: 342.793+/-0.033 χ^2/NDF: 4184782.4/90

asym_dsr_mean vs Slug, Sign Corrected



Right In: -73.559+/-121.296 χ^2/NDF: 14.1/19

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 35.907+/-115.503 χ^2/NDF: 18.8/23

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

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

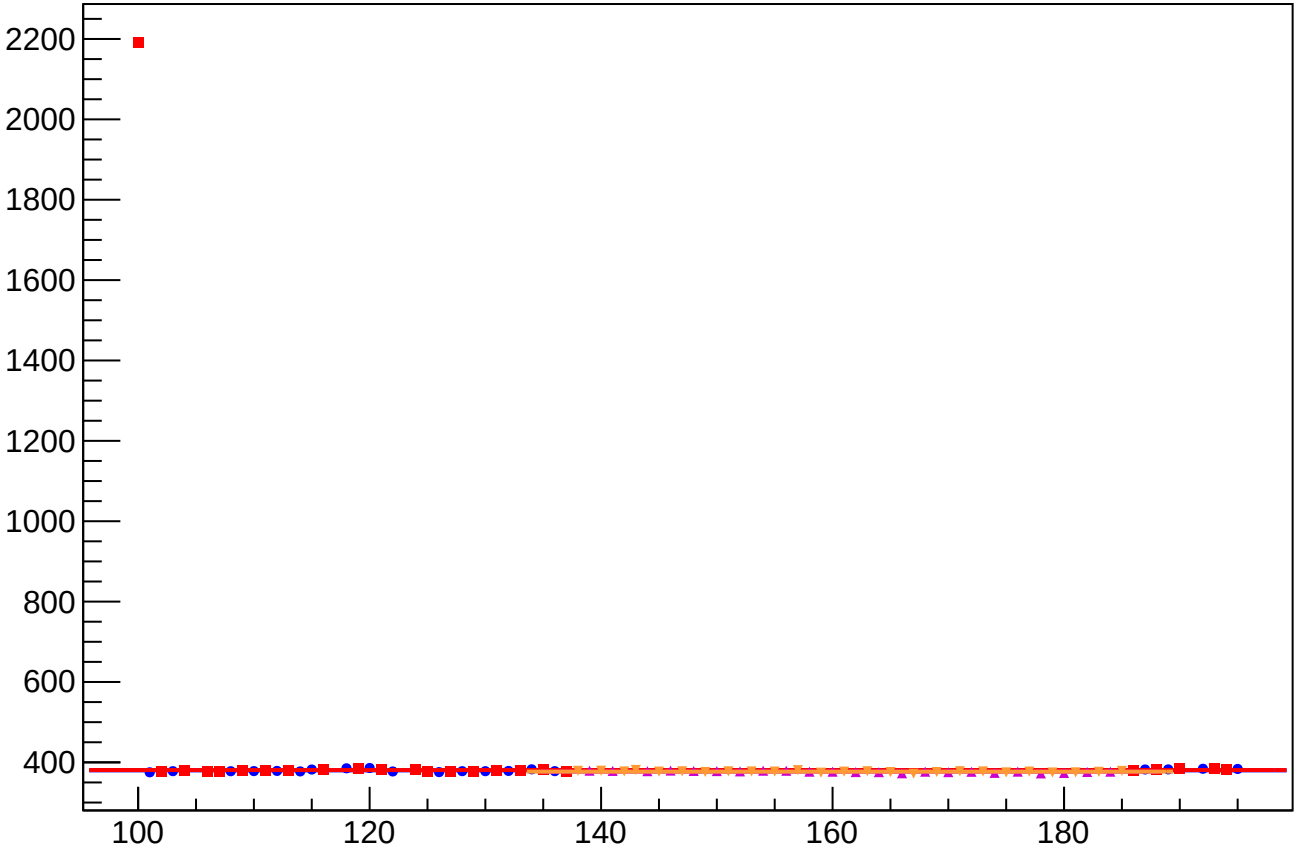
Right: -16.150+/-83.646 χ^2/NDF: 33.4/43

In: -132.156+/-71.224 χ^2/NDF:36.3/42

Out: -0.858+/-68.783 χ^2/NDF:31.6/48

All: -64.218+/-49.477 χ^2/NDF: 69.6/91

asym_dsr_rms vs Slug, Sign Corrected



Right In: 380.076+/-0.086 χ^2/NDF: 1400.7/19

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 380.861+/-0.082 χ^2/NDF: 100087.9/23

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

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

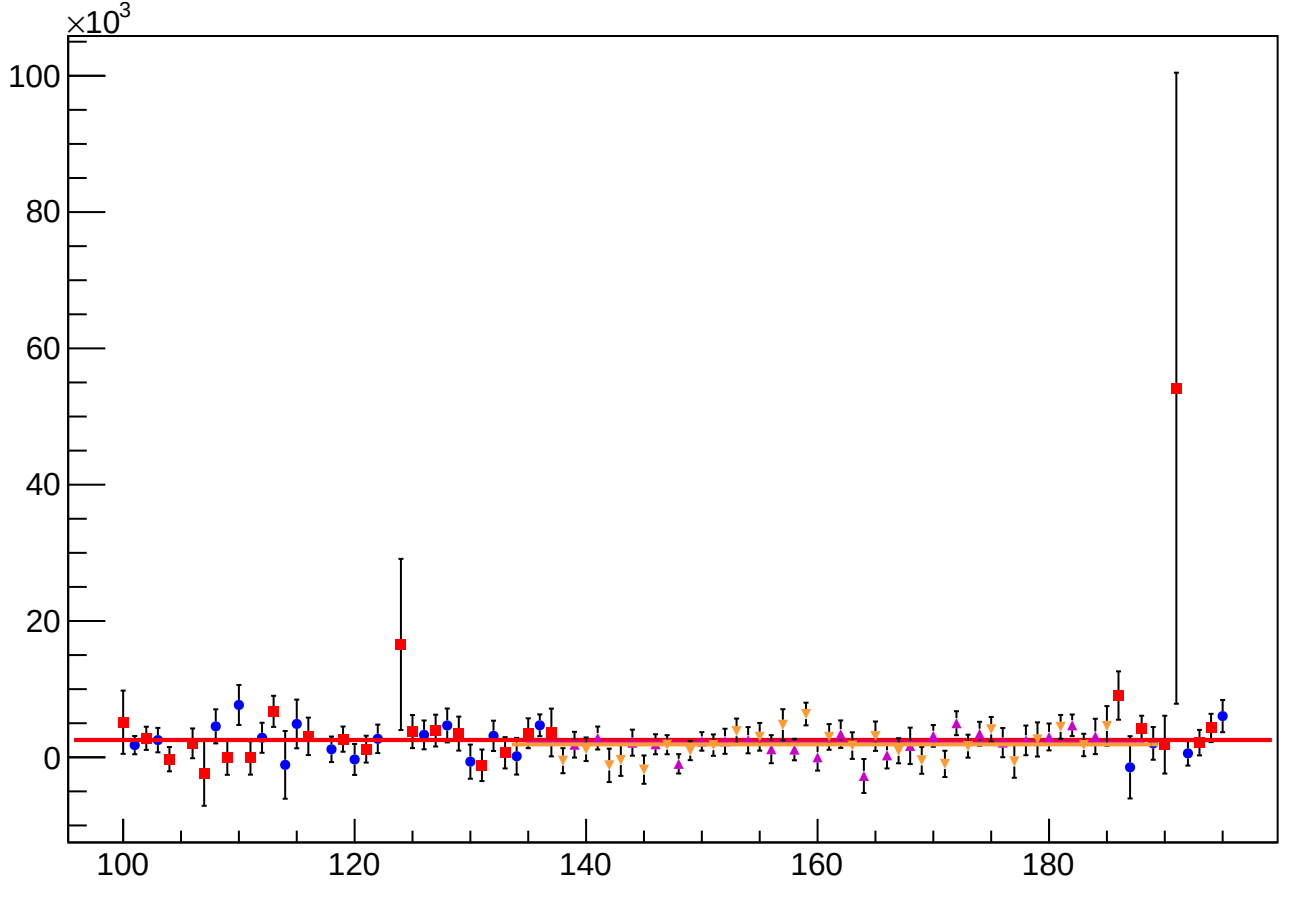
Right: 380.488+/-0.059 χ^2/NDF: 101532.5/43

In: 377.960+/-0.050 χ^2/NDF:3404.2/42

Out: 378.308+/-0.049 χ^2/NDF:102659.6/48

All: 378.140+/-0.035 χ^2/NDF: 106088.7/91

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2555.725+/-489.979 χ^2/NDF: 16.5/19

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2521.389+/-484.220 χ^2/NDF: 21.7/24

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

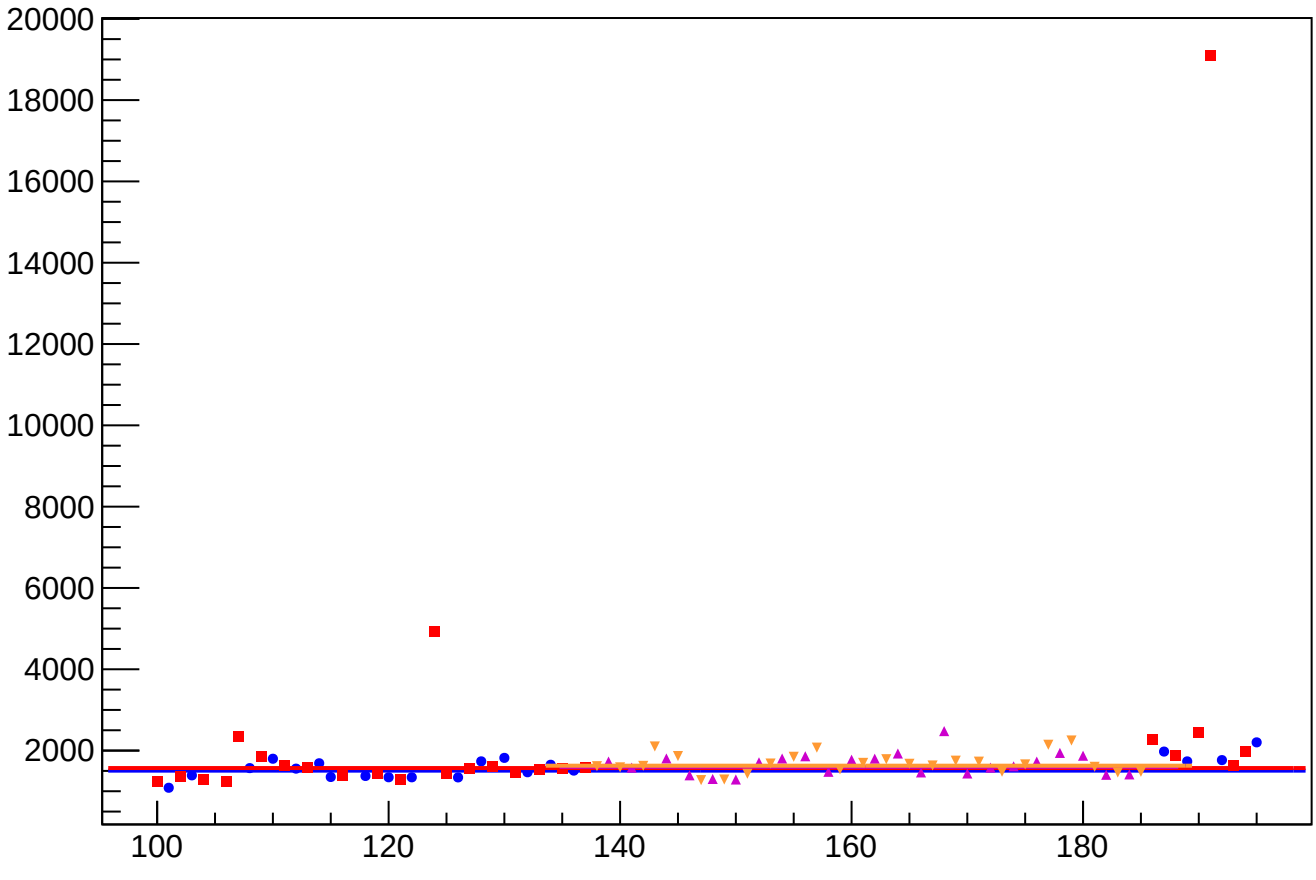
Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

Right: 2538.354+/-344.413 χ^2/NDF: 38.2/44

In: 2274.011+/-299.810 χ^2/NDF:35.6/42

Out: 2127.691+/-296.629 χ^2/NDF:51.1/49

All: 2200.071+/-210.864 χ^2/NDF: 86.8/92



Right In: 1506.846+/-0.346 χ^2/NDF: 588037.4/19

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1570.362+/-0.342 χ^2/NDF: 1012393.8/24

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

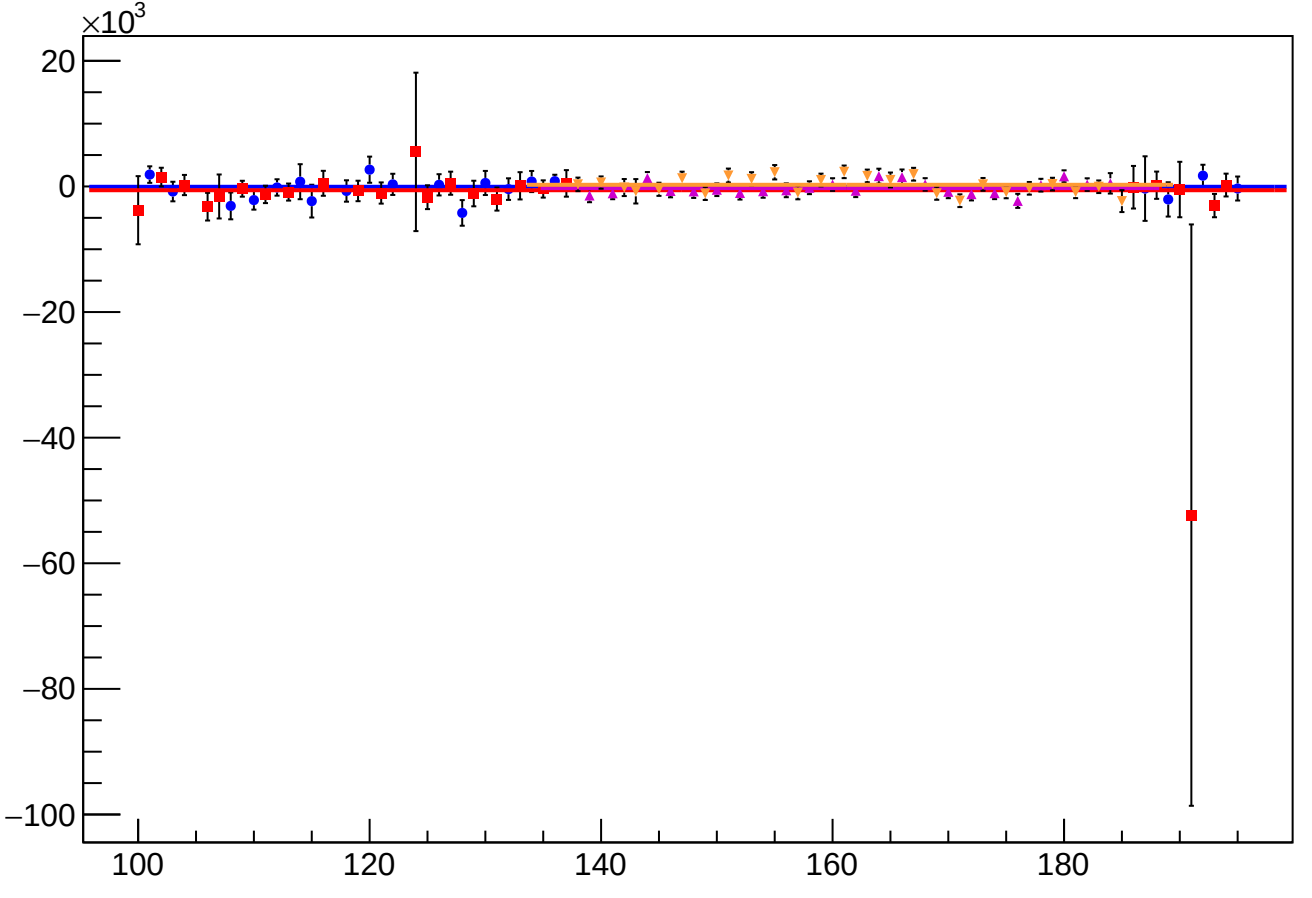
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1538.979+/-0.244 χ^2/NDF: 1617434.0/44

In: 1566.059+/-0.212 χ^2/NDF:1428449.4/42

Out: 1606.669+/-0.210 χ^2/NDF:1809487.2/49

All: 1586.581+/-0.149 χ^2/NDF: 3256480.0/92



Right In: -53.269+/-385.575 χ^2/NDF: 16.1/19

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -601.845+/-381.983 χ^2/NDF: 10.1/24

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

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

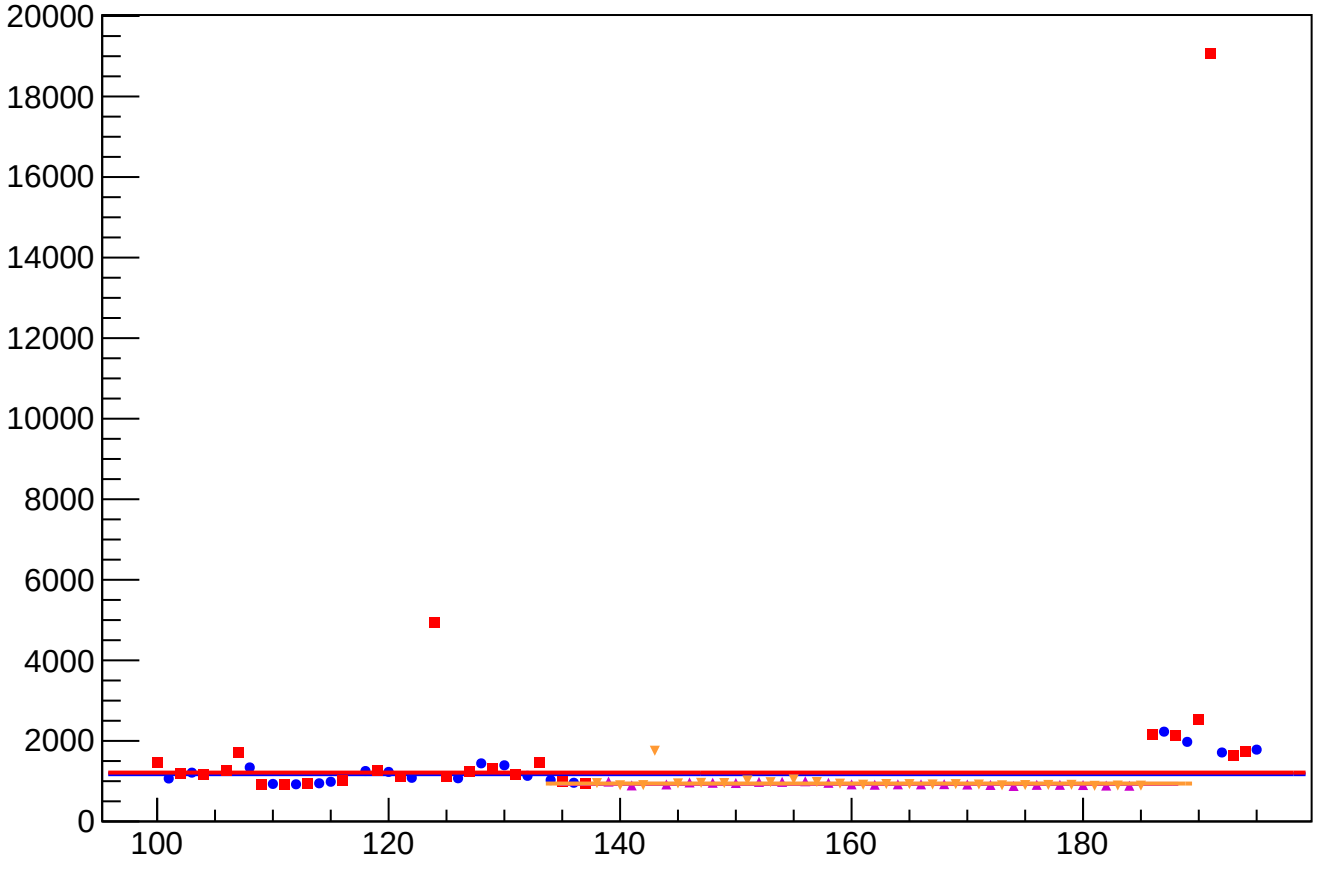
Right: -330.124+/-271.364 χ^2/NDF: 27.3/44

In: -215.386+/-189.561 χ^2/NDF:37.7/42

Out: 54.519+/-187.335 χ^2/NDF:47.9/49

All: -78.840+/-133.246 χ^2/NDF: 86.7/92

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1173.804+/-0.273 χ^2/NDF: 1011018.8/19

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1213.195+/-0.270 χ^2/NDF: 1909885.3/24

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

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

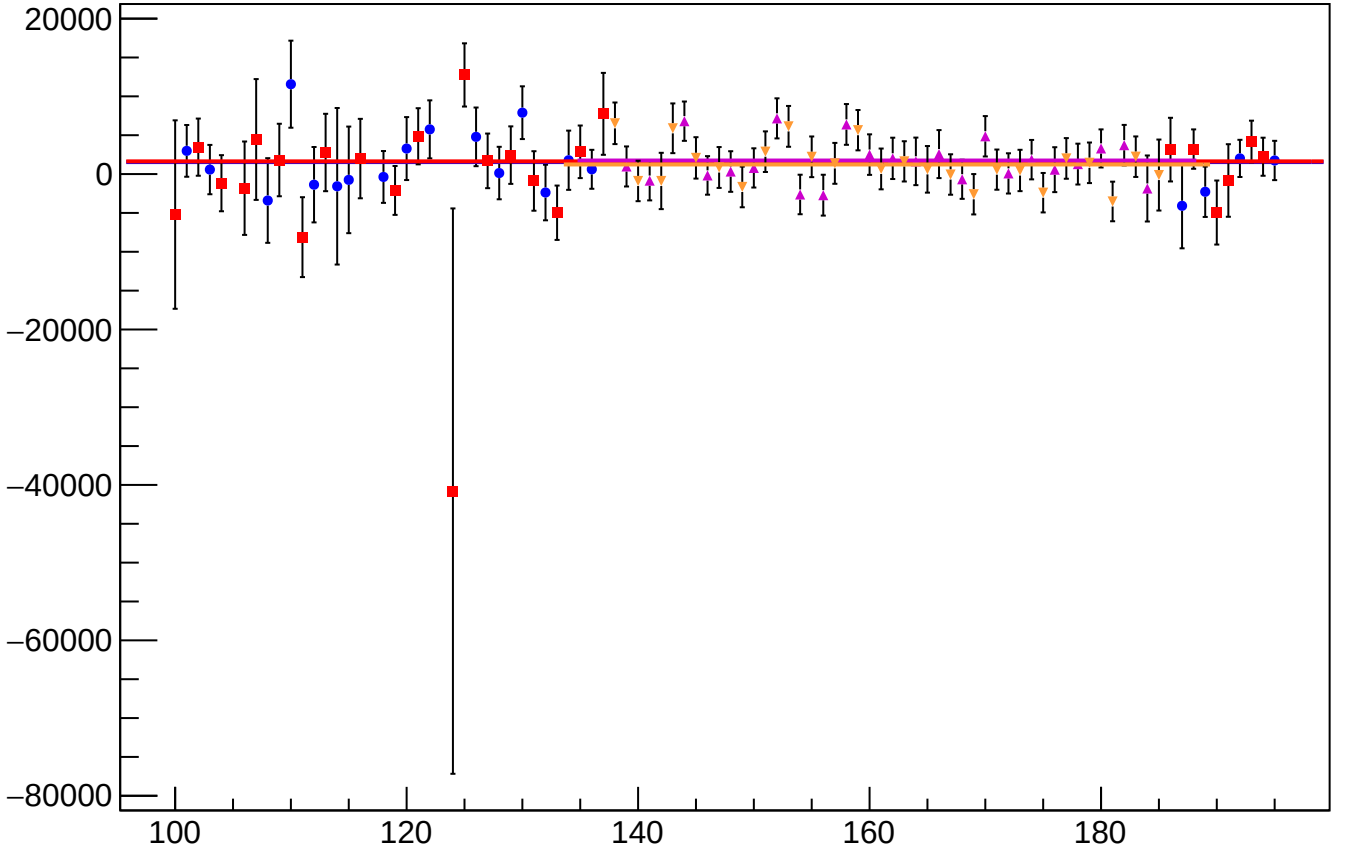
Right: 1193.684+/-0.192 χ^2/NDF: 2931438.8/44

In: 990.112+/-0.134 χ^2/NDF:1658553.2/42

Out: 1006.479+/-0.132 χ^2/NDF:3098808.5/49

All: 998.392+/-0.094 χ^2/NDF: 4764904.0/92

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1542.384+/-800.075 χ^2/NDF: 14.9/19

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1634.365+/-776.995 χ^2/NDF: 26.2/24

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

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

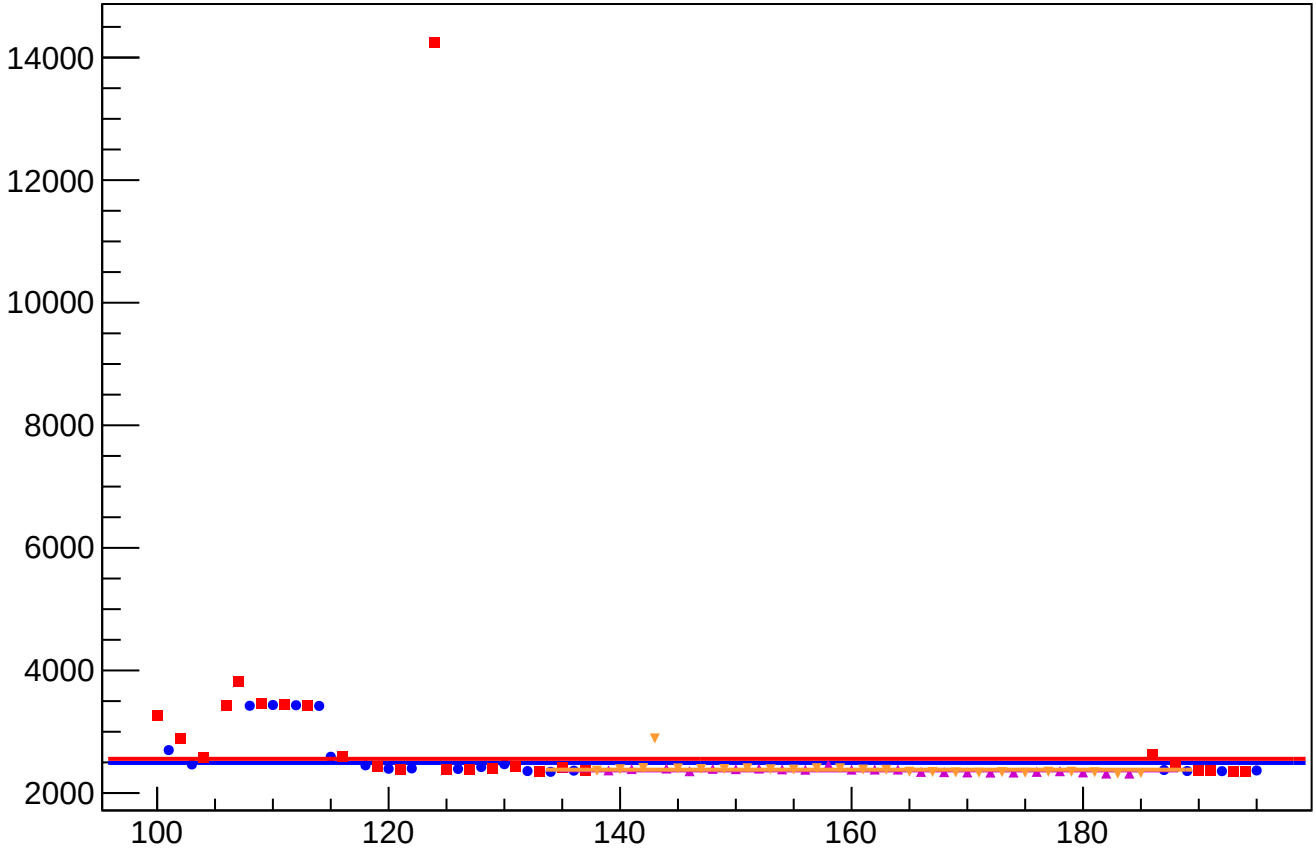
Right: 1589.721+/-557.399 χ^2/NDF: 41.1/44

In: 1677.244+/-455.053 χ^2/NDF:39.3/42

Out: 1365.306+/-444.141 χ^2/NDF:50.2/49

All: 1517.490+/-317.843 χ^2/NDF: 89.8/92

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2490.918+/-0.566 χ^2/NDF: 247071.1/19

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2558.281+/-0.549 χ^2/NDF: 588517.7/24

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

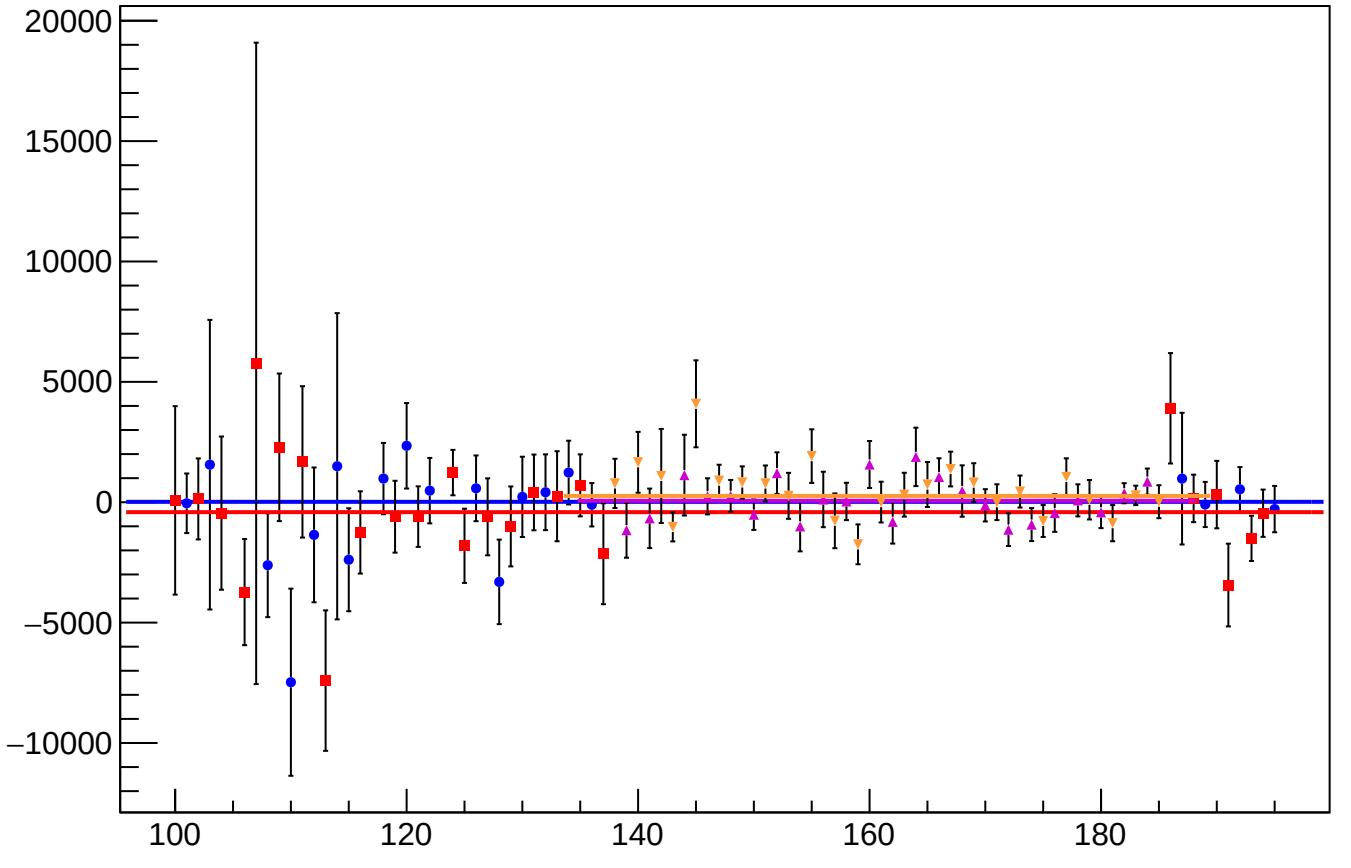
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2525.585+/-0.394 χ^2/NDF: 842885.2/44

In: 2408.699+/-0.322 χ^2/NDF:285325.3/42

Out: 2439.083+/-0.314 χ^2/NDF:716051.6/49

All: 2424.260+/-0.225 χ^2/NDF: 1005943.4/92



Right In: 17.112+/-322.712 χ^2/NDF: 14.3/19

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -411.971+/-308.107 χ^2/NDF: 24.3/24

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

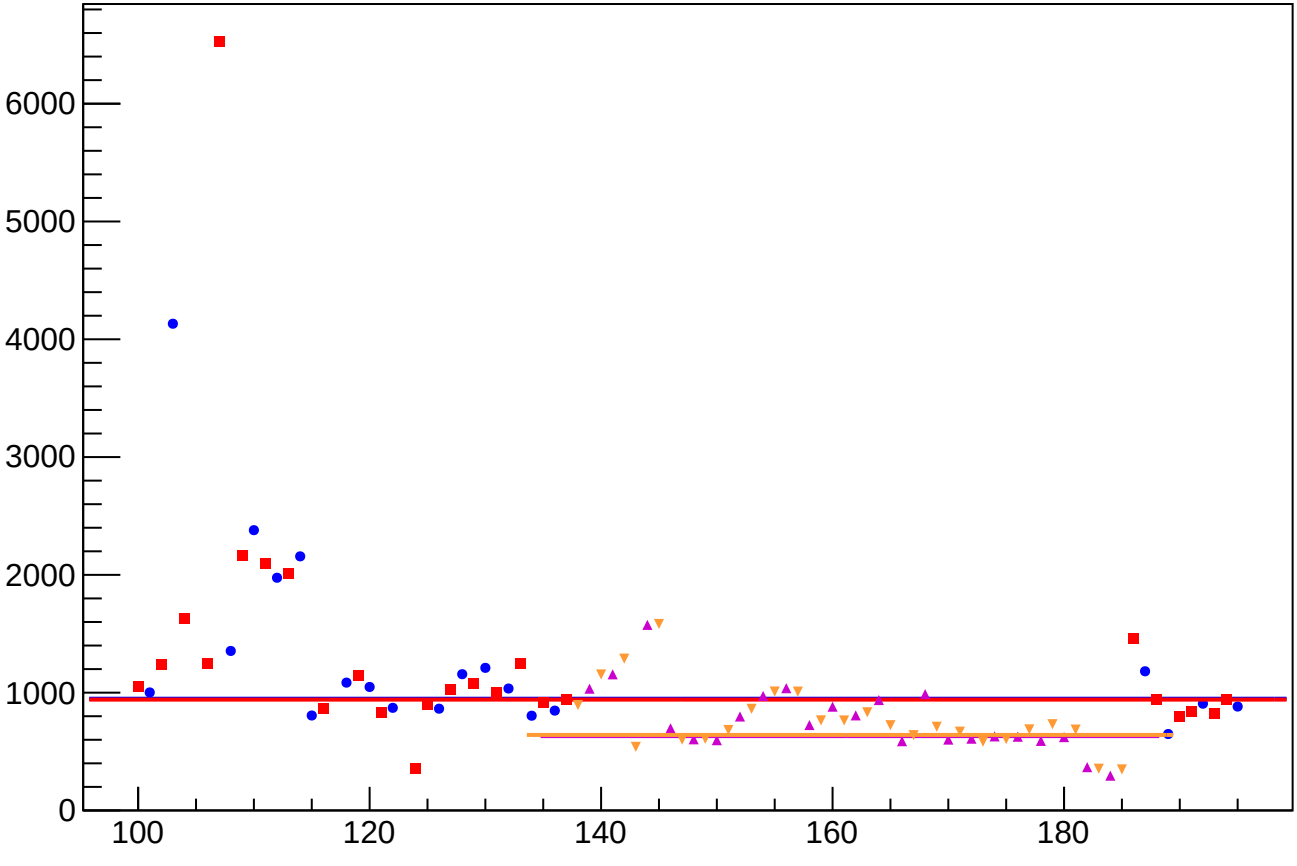
Right: -207.358+/-222.849 χ^2/NDF: 39.5/44

In: 53.342+/-141.465 χ^2/NDF:36.4/42

Out: 127.169+/-137.758 χ^2/NDF:59.2/49

All: 91.235+/-98.694 χ^2/NDF: 95.7/92

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 948.610+/-0.228 χ^2/NDF: 1658117.7/19

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 941.007+/-0.218 χ^2/NDF: 2479139.0/24

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

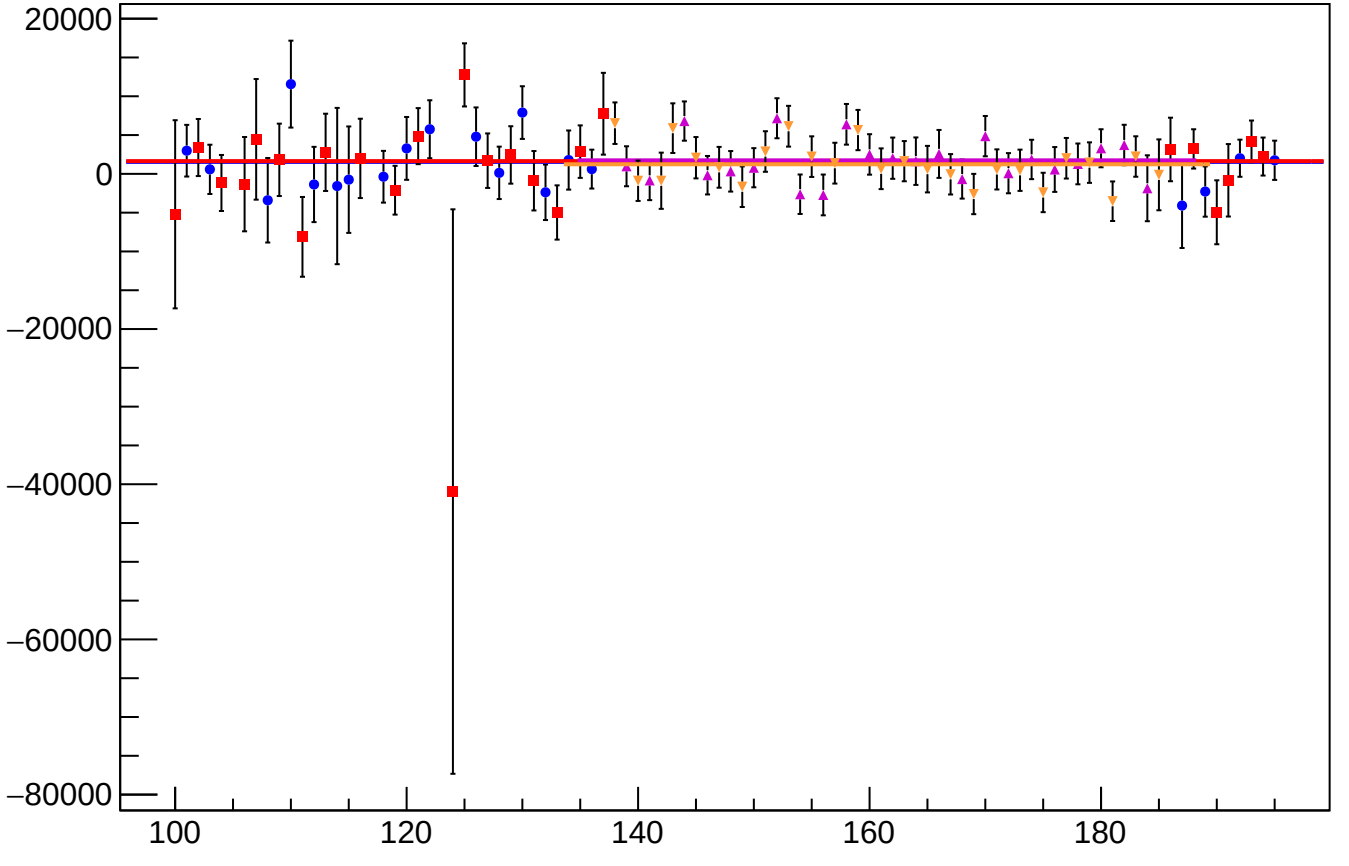
Right: 944.633+/-0.158 χ^2/NDF: 4137837.3/44

In: 692.193+/-0.100 χ^2/NDF:7196590.2/42

Out: 701.099+/-0.097 χ^2/NDF:7469577.9/49

All: 696.764+/-0.070 χ^2/NDF: 14670236.7/92

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1542.631+/-800.075 χ^2/NDF: 14.9/19

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1640.439+/-777.143 χ^2/NDF: 26.1/24

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

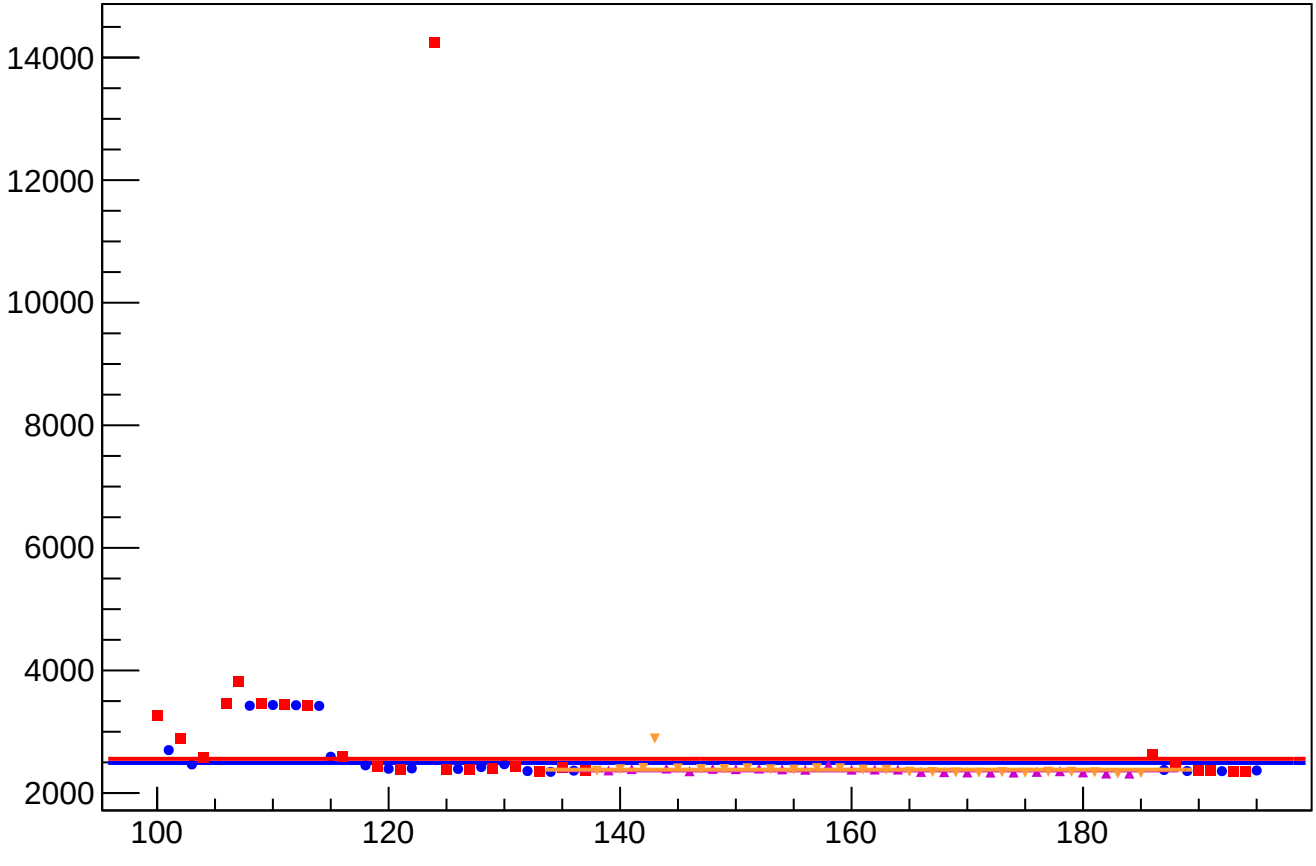
Right: 1592.957+/-557.454 χ^2/NDF: 41.0/44

In: 1677.360+/-455.053 χ^2/NDF:39.3/42

Out: 1367.242+/-444.168 χ^2/NDF:50.1/49

All: 1518.548+/-317.853 χ^2/NDF: 89.7/92

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2490.918+/-0.566 χ^2/NDF: 247071.1/19

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2558.593+/-0.550 χ^2/NDF: 591290.2/24

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

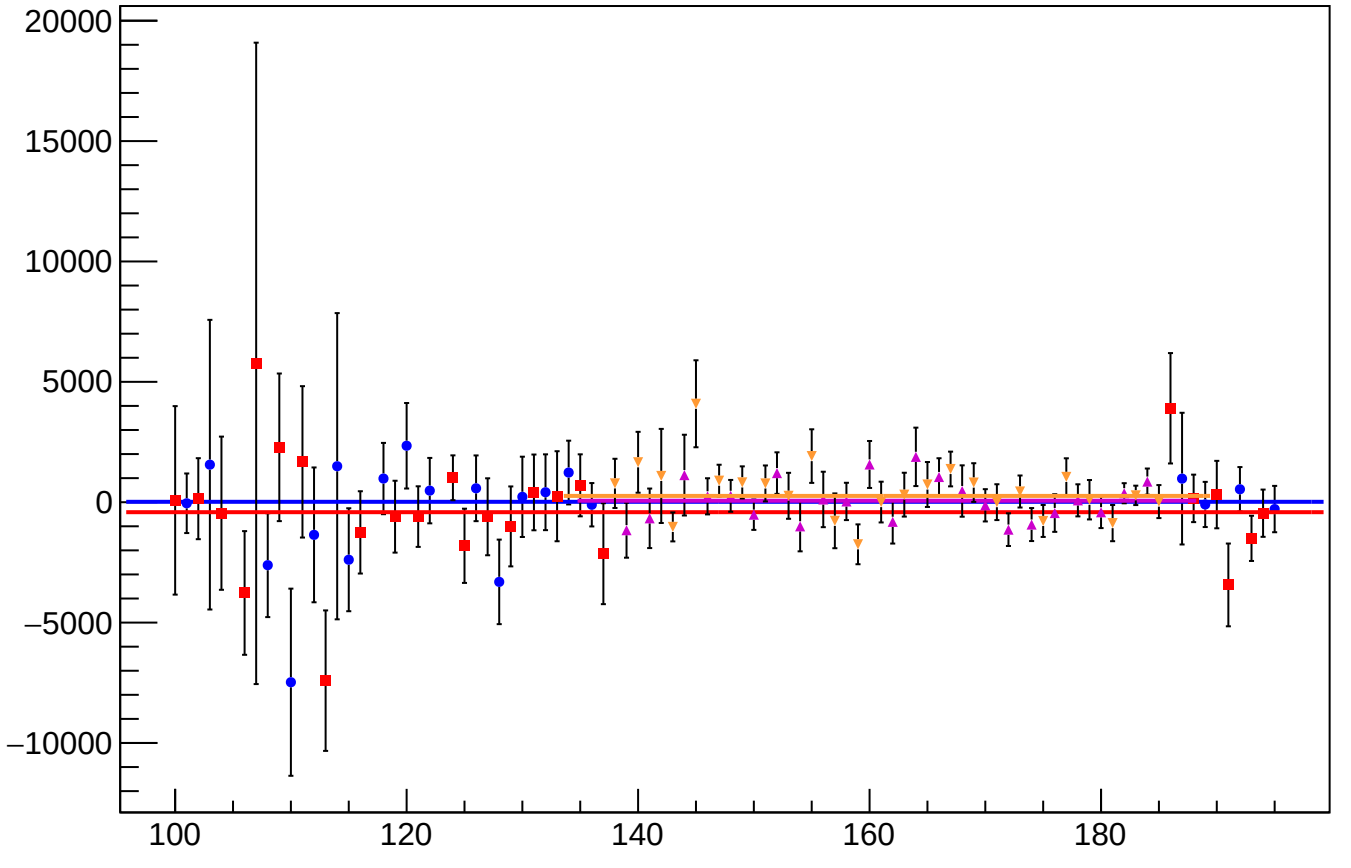
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2525.740+/-0.394 χ^2/NDF: 845724.2/44

In: 2408.699+/-0.322 χ^2/NDF:285325.4/42

Out: 2439.171+/-0.314 χ^2/NDF:719053.4/49

All: 2424.304+/-0.225 χ^2/NDF: 1008971.2/92



Right In: 17.072+/-322.711 χ^2/NDF: 14.4/19

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -414.051+/-308.462 χ^2/NDF: 23.0/24

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

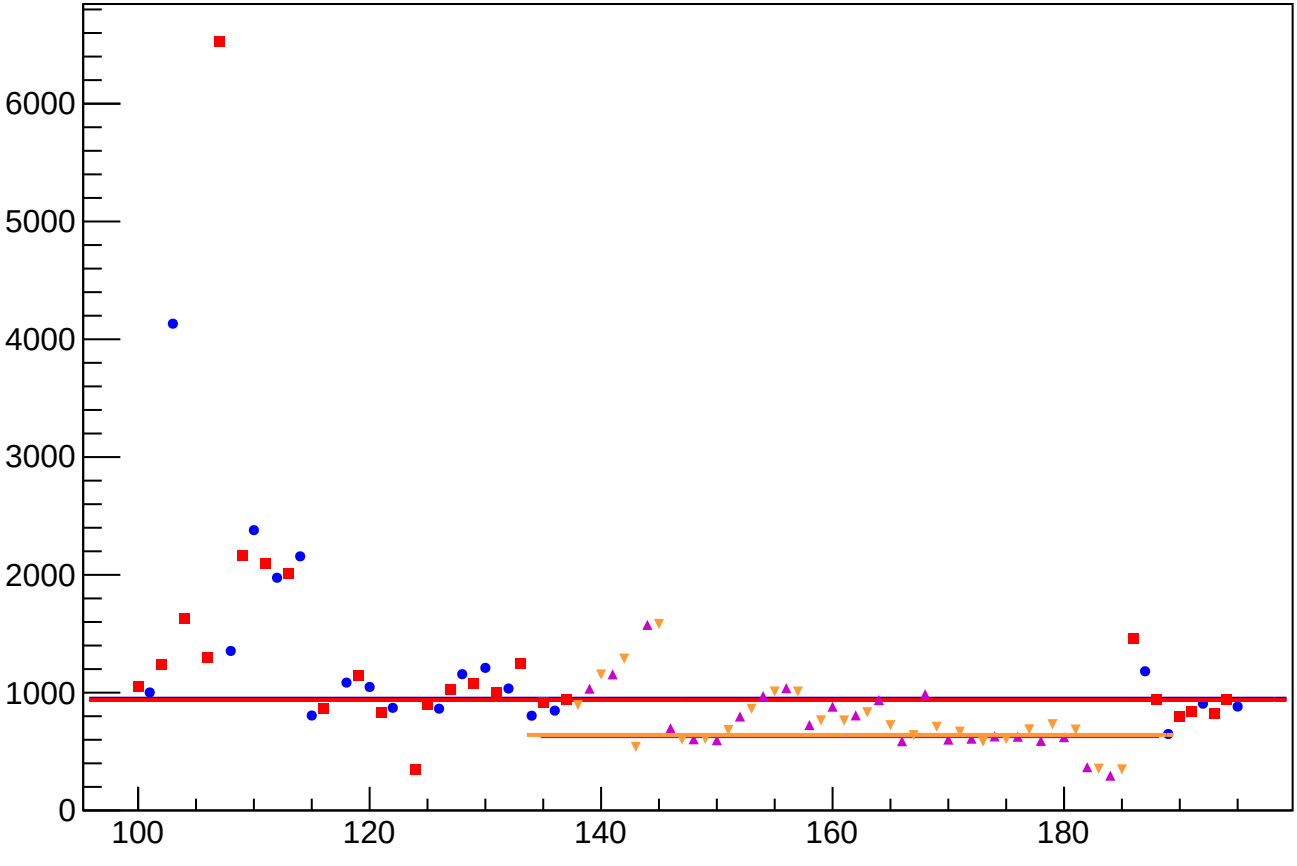
Right: -208.217+/-222.983 χ^2/NDF: 38.3/44

In: 53.347+/-141.465 χ^2/NDF:36.4/42

Out: 127.226+/-137.791 χ^2/NDF:58.0/49

All: 91.258+/-98.706 χ^2/NDF: 94.5/92

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 948.610+/-0.228 χ^2/NDF: 1658076.9/19

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 937.955+/-0.218 χ^2/NDF: 2511331.2/24

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

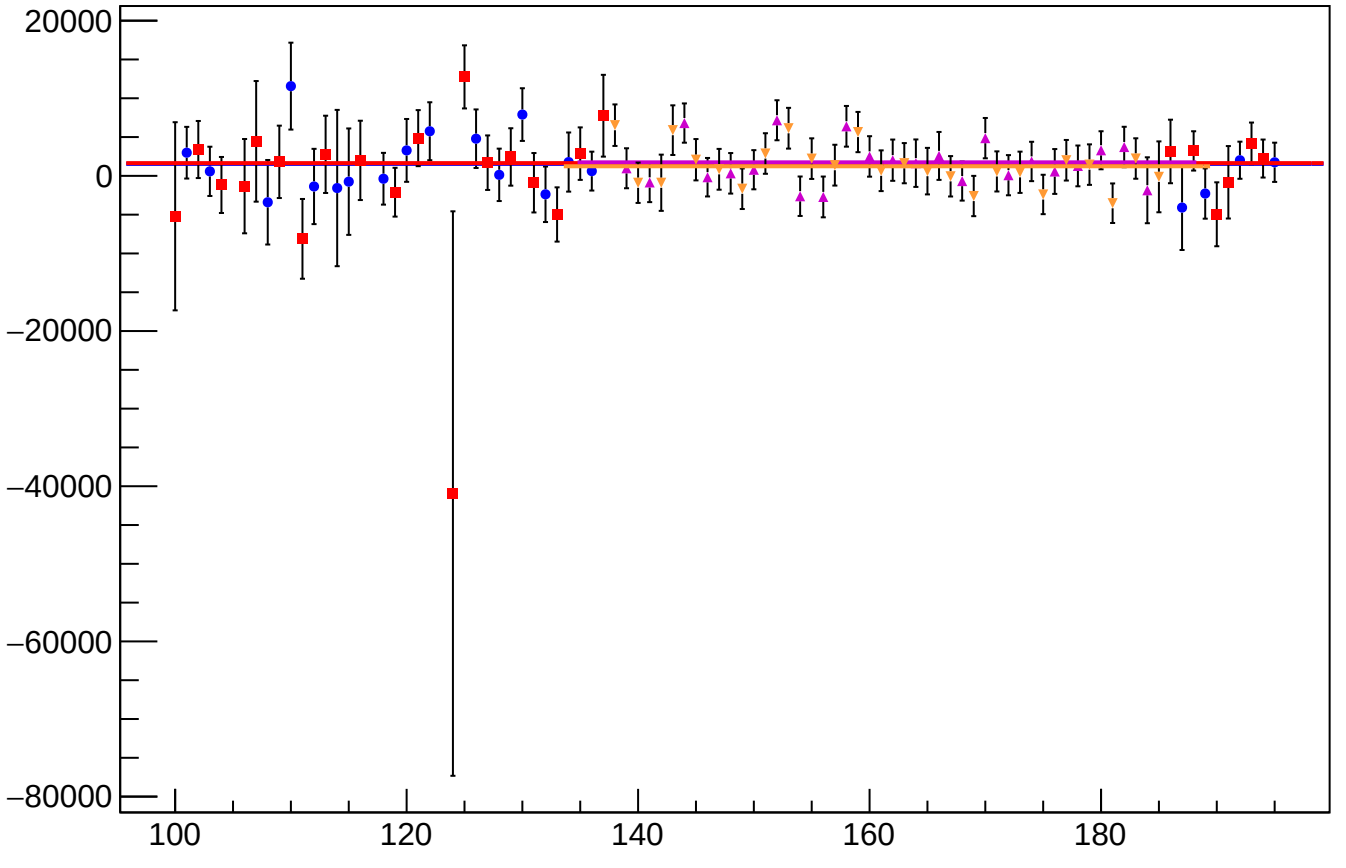
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 943.042+/-0.158 χ^2/NDF: 4170547.4/44

In: 692.191+/-0.100 χ^2/NDF:7196705.2/42

Out: 700.391+/-0.097 χ^2/NDF:7467920.7/49

All: 696.399+/-0.070 χ^2/NDF: 14668074.4/92



Right In: 1542.631+/-800.075 χ^2/NDF: 14.9/19

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1640.439+/-777.143 χ^2/NDF: 26.1/24

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

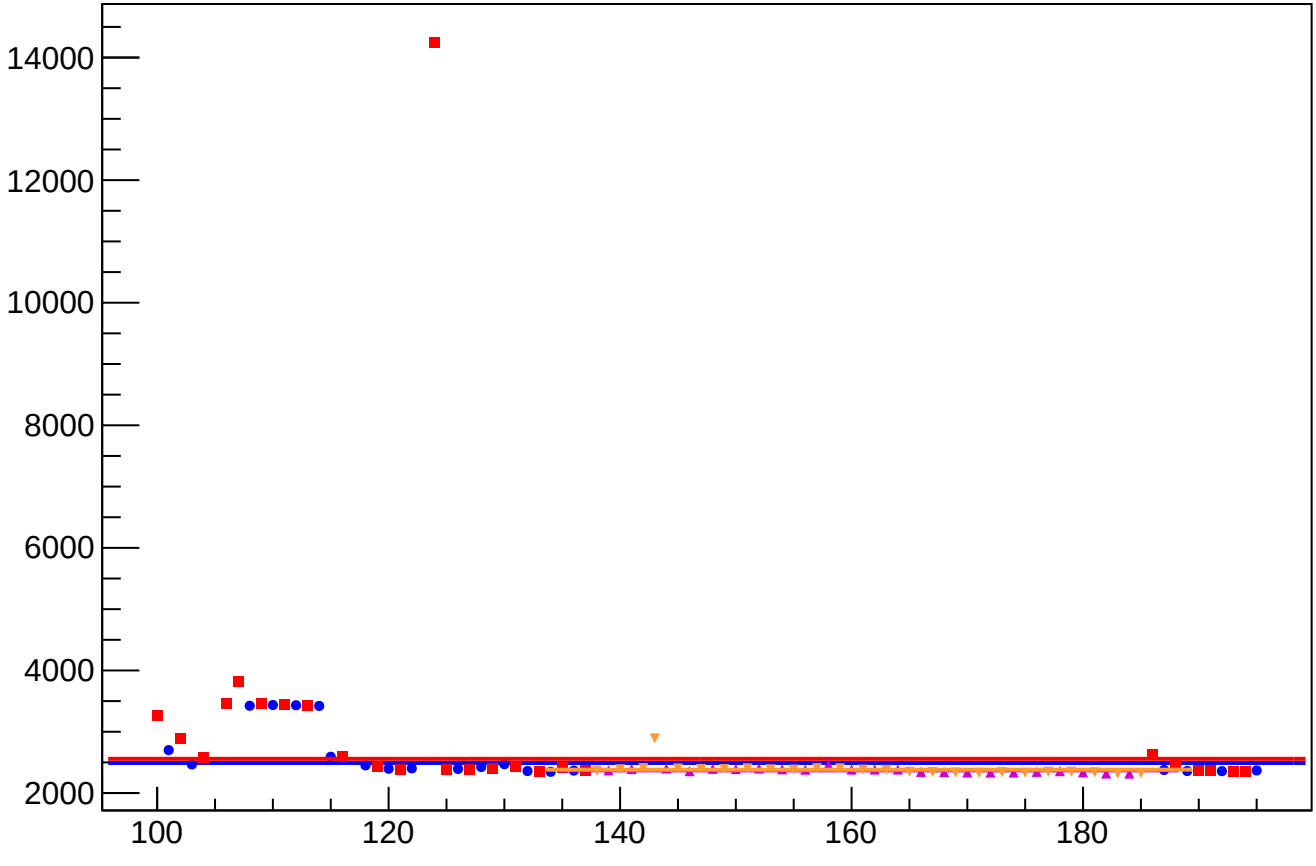
Right: 1592.957+/-557.454 χ^2/NDF: 41.0/44

In: 1677.360+/-455.053 χ^2/NDF:39.3/42

Out: 1367.242+/-444.168 χ^2/NDF:50.1/49

All: 1518.548+/-317.853 χ^2/NDF: 89.7/92

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2490.918+/-0.566 χ^2/NDF: 247071.1/19

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2558.593+/-0.550 χ^2/NDF: 591290.2/24

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

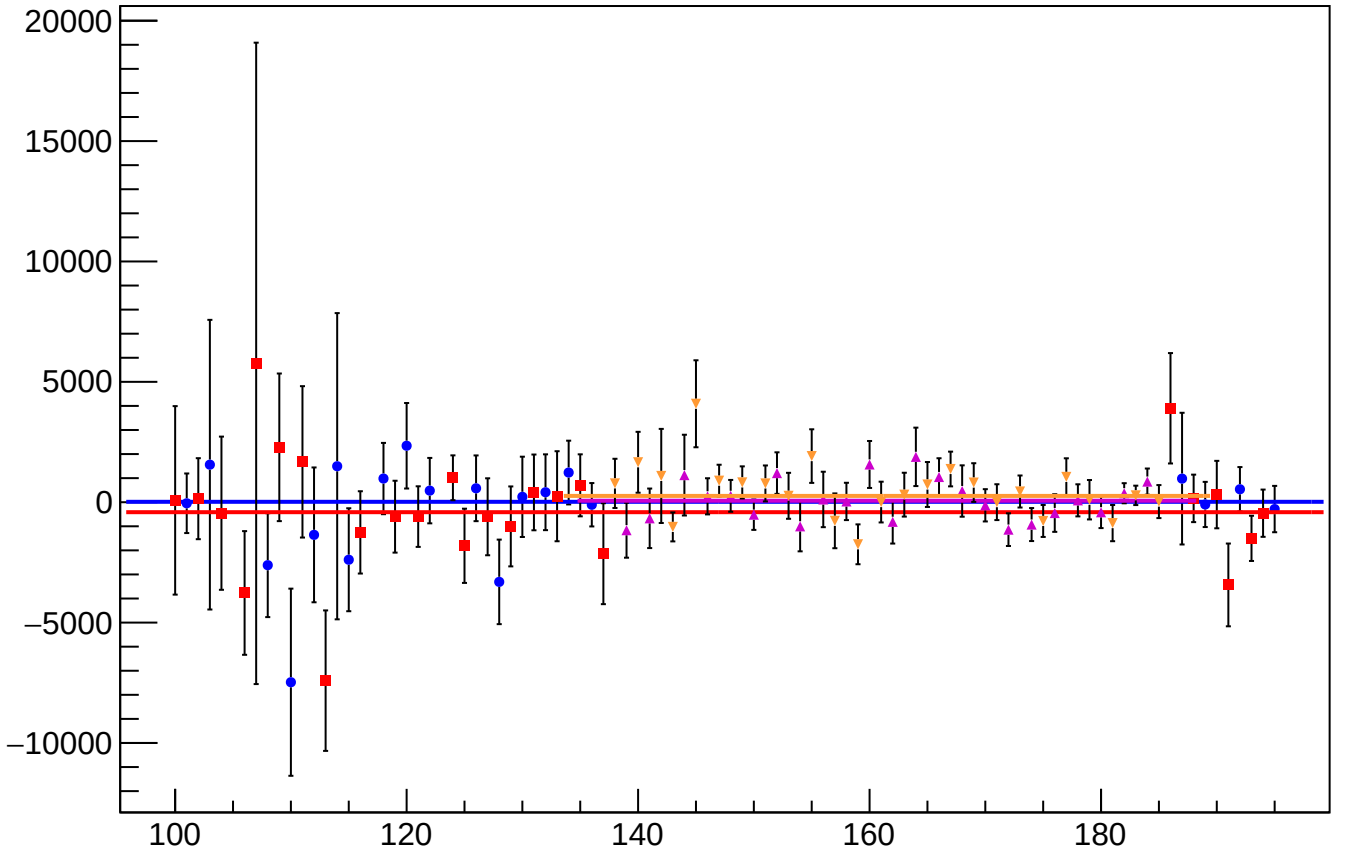
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2525.740+/-0.394 χ^2/NDF: 845724.2/44

In: 2408.699+/-0.322 χ^2/NDF:285325.4/42

Out: 2439.171+/-0.314 χ^2/NDF:719053.4/49

All: 2424.304+/-0.225 χ^2/NDF: 1008971.2/92



Right In: 17.072+/-322.711 χ^2/NDF: 14.4/19

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -414.051+/-308.462 χ^2/NDF: 23.0/24

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

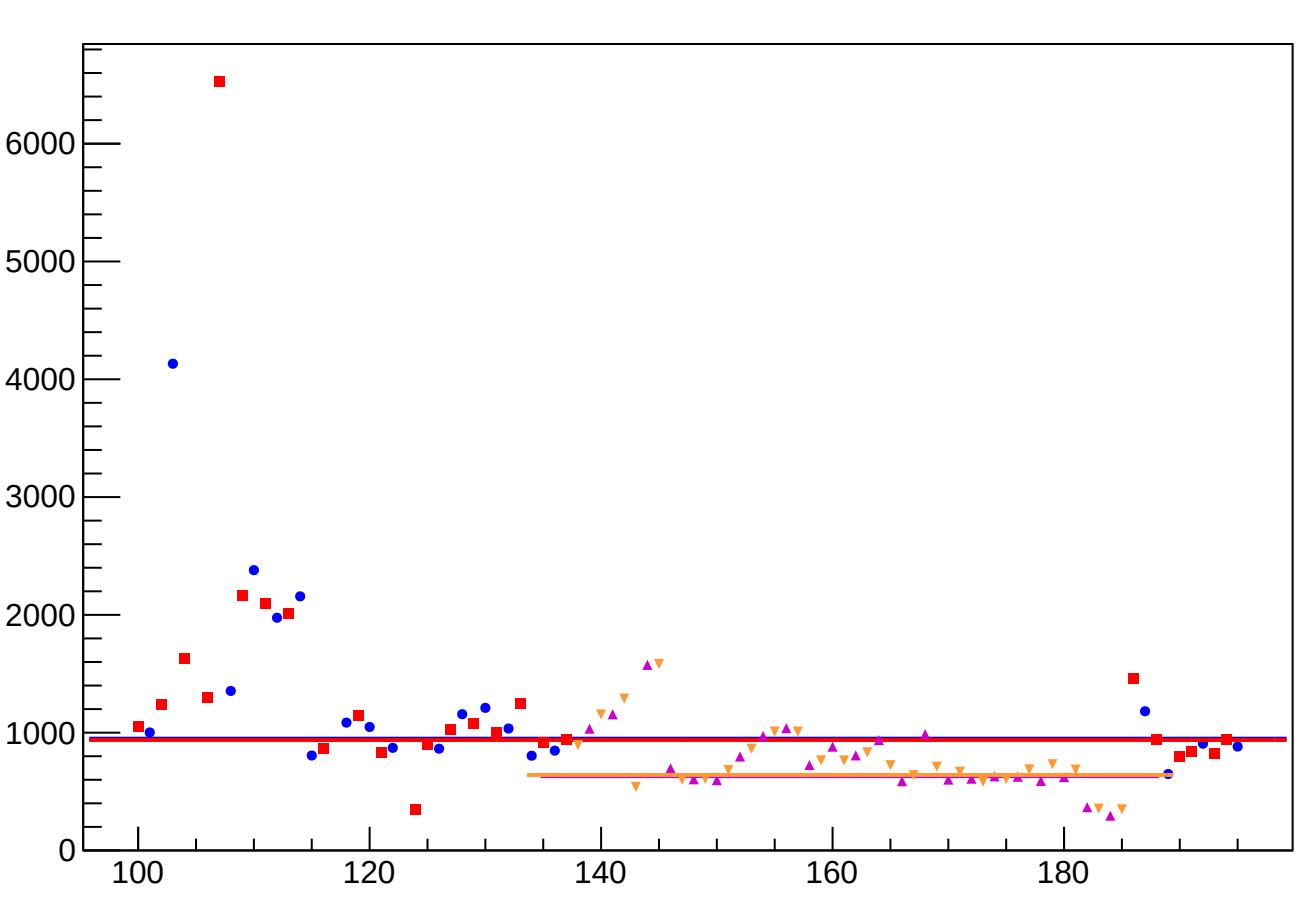
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -208.217+/-222.983 χ^2/NDF: 38.3/44

In: 53.347+/-141.465 χ^2/NDF:36.4/42

Out: 127.226+/-137.791 χ^2/NDF:58.0/49

All: 91.258+/-98.706 χ^2/NDF: 94.5/92



Right In: 948.610+/-0.228 χ^2/NDF: 1658076.9/19

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 937.955+/-0.218 χ^2/NDF: 2511331.2/24

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

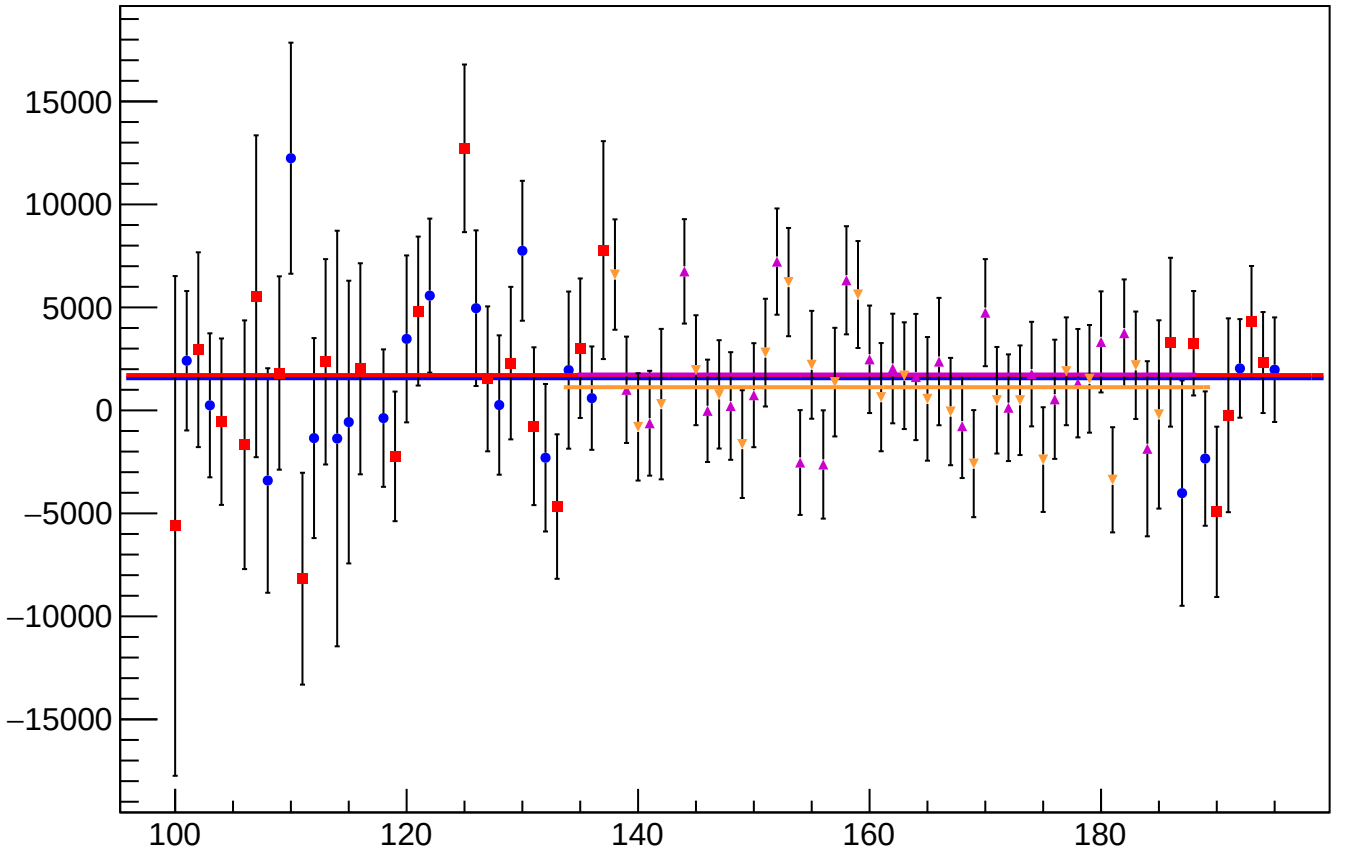
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 943.042+/-0.158 χ^2/NDF: 4170547.4/44

In: 692.191+/-0.100 χ^2/NDF:7196705.2/42

Out: 700.391+/-0.097 χ^2/NDF:7467920.7/49

All: 696.399+/-0.070 χ^2/NDF: 14668074.4/92



Right In: 1560.837+/-806.612 χ^2/NDF: 15.0/19

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1715.353+/-789.117 χ^2/NDF: 24.1/23

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

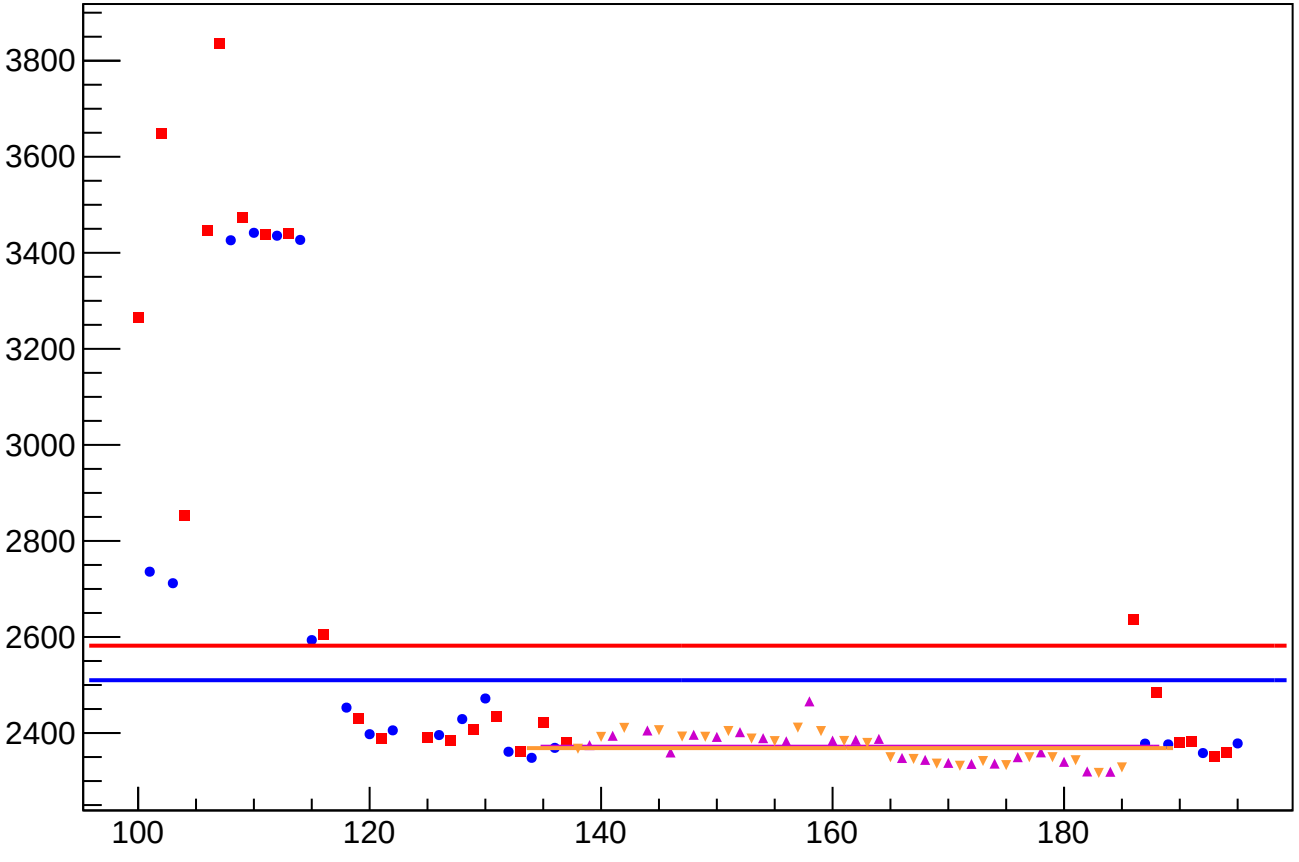
Right: 1639.789+/-564.074 χ^2/NDF: 39.2/43

In: 1684.174+/-456.526 χ^2/NDF:38.8/42

Out: 1318.318+/-451.125 χ^2/NDF:45.7/47

All: 1499.069+/-320.886 χ^2/NDF: 84.9/90

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2509.976+/-0.570 χ^2/NDF: 254976.8/19

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2581.892+/-0.558 χ^2/NDF: 483452.7/23

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

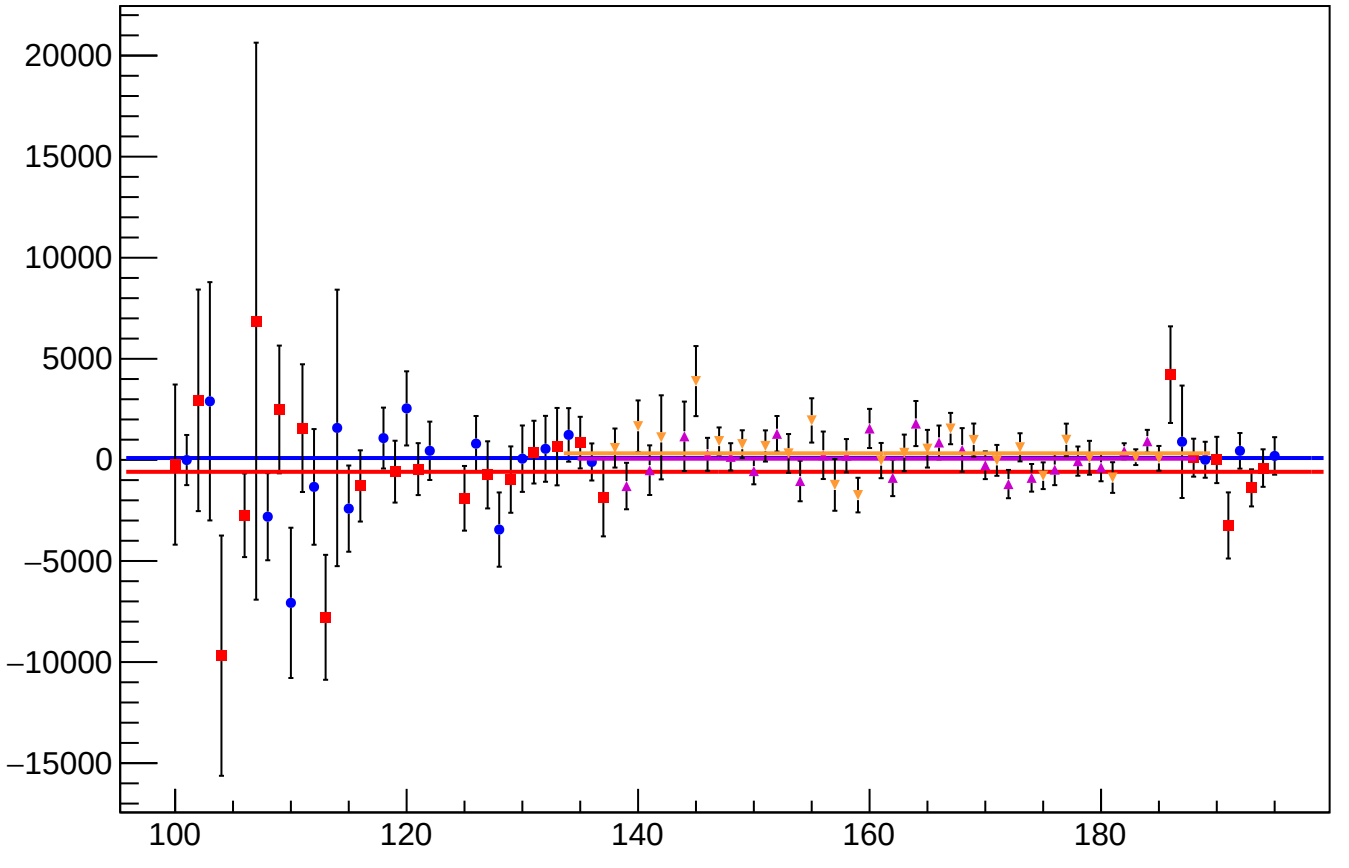
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2546.722+/-0.399 χ^2/NDF: 746552.9/43

In: 2415.871+/-0.323 χ^2/NDF:302082.9/42

Out: 2438.287+/-0.319 χ^2/NDF:587414.0/47

All: 2427.212+/-0.227 χ^2/NDF: 891936.6/90



Right In: 92.432+/-320.661 χ^2/NDF: 14.8/19

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -589.574+/-324.248 χ^2/NDF: 22.7/23

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

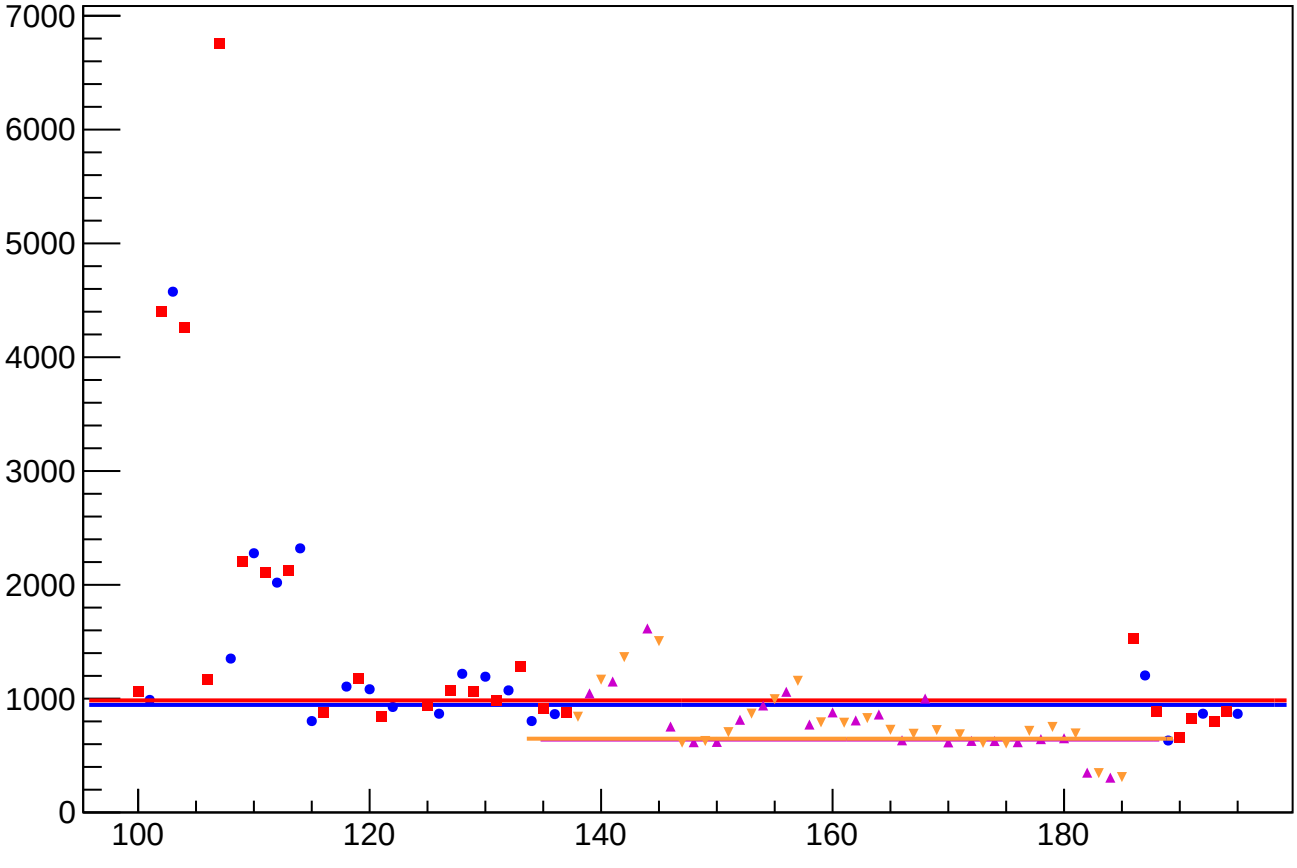
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -244.777+/-227.999 χ^2/NDF: 39.8/43

In: 66.138+/-142.930 χ^2/NDF:37.5/42

Out: 146.608+/-143.512 χ^2/NDF:55.9/47

All: 106.209+/-101.272 χ^2/NDF: 93.6/90



Right In: 944.964+/-0.227 χ^2/NDF: 1937643.0/19

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 984.670+/-0.229 χ^2/NDF: 3124026.5/23

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

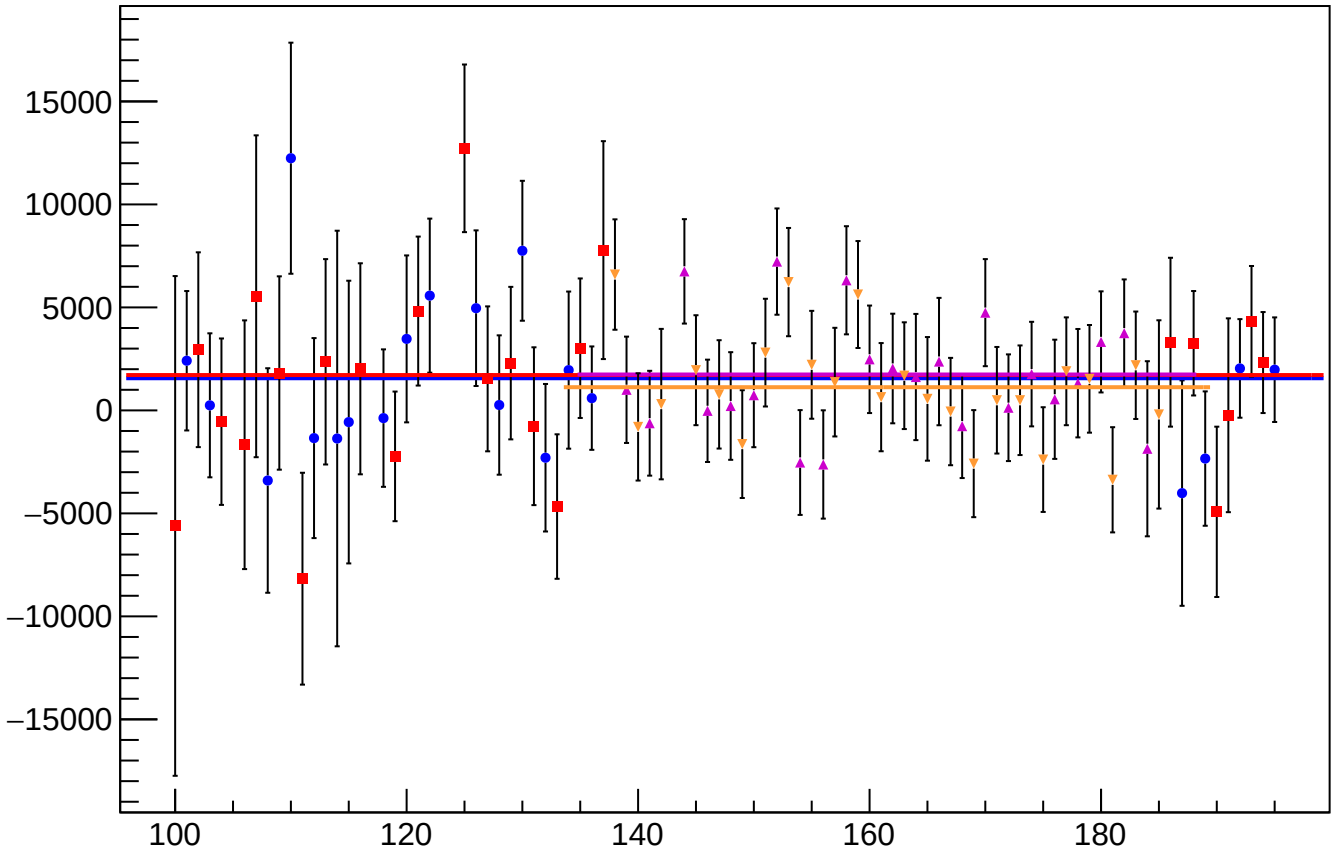
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 964.596+/-0.161 χ^2/NDF: 5076831.2/43

In: 700.929+/-0.101 χ^2/NDF:7511974.1/42

Out: 714.032+/-0.101 χ^2/NDF:8743770.2/47

All: 707.454+/-0.072 χ^2/NDF: 16264115.1/90



Right In: 1560.834+/-806.612 χ^2/NDF: 15.0/19

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1715.351+/-789.117 χ^2/NDF: 24.1/23

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

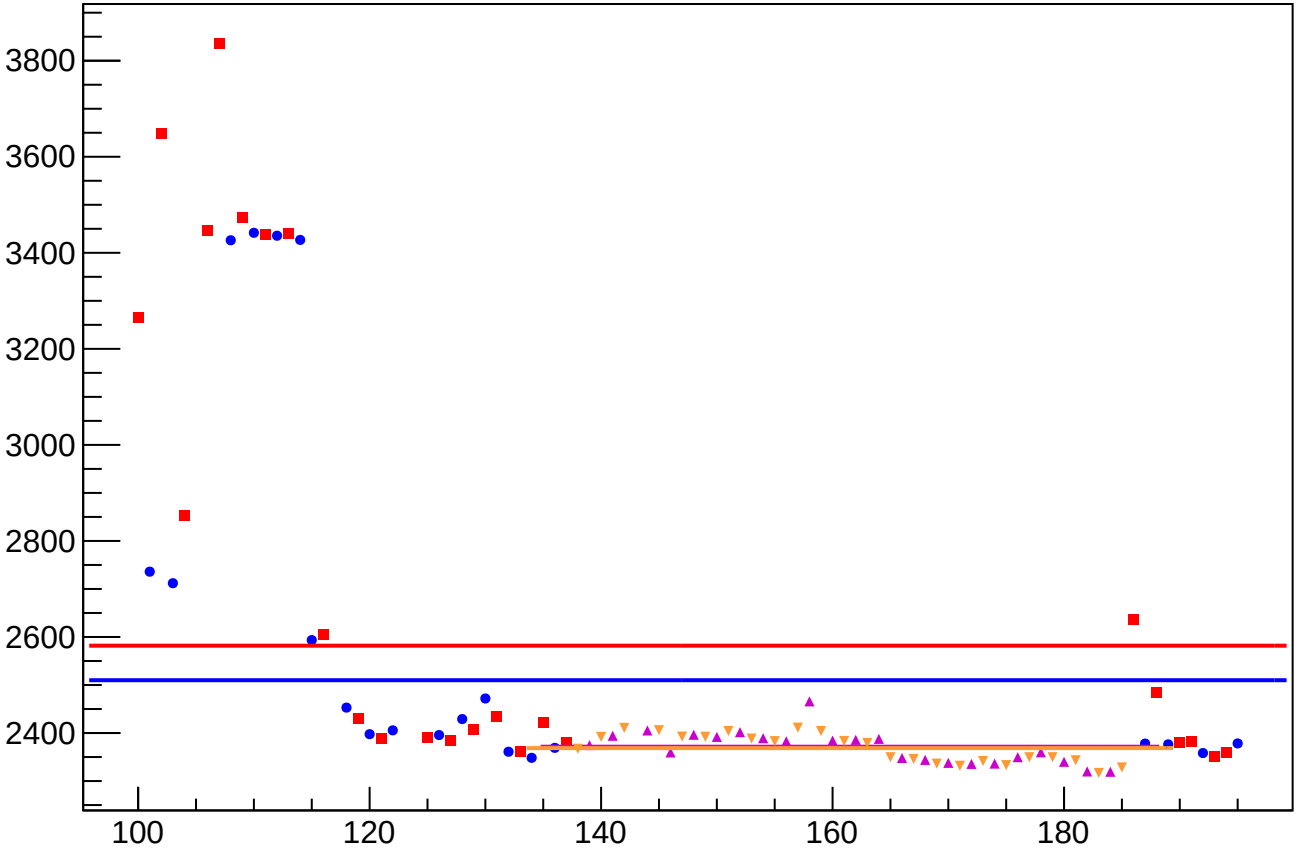
Right: 1639.787+/-564.074 χ^2/NDF: 39.2/43

In: 1684.174+/-456.526 χ^2/NDF:38.8/42

Out: 1318.318+/-451.125 χ^2/NDF:45.7/47

All: 1499.069+/-320.886 χ^2/NDF: 84.9/90

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2509.975+/-0.570 χ^2/NDF: 254976.4/19

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2581.891+/-0.558 χ^2/NDF: 483451.9/23

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

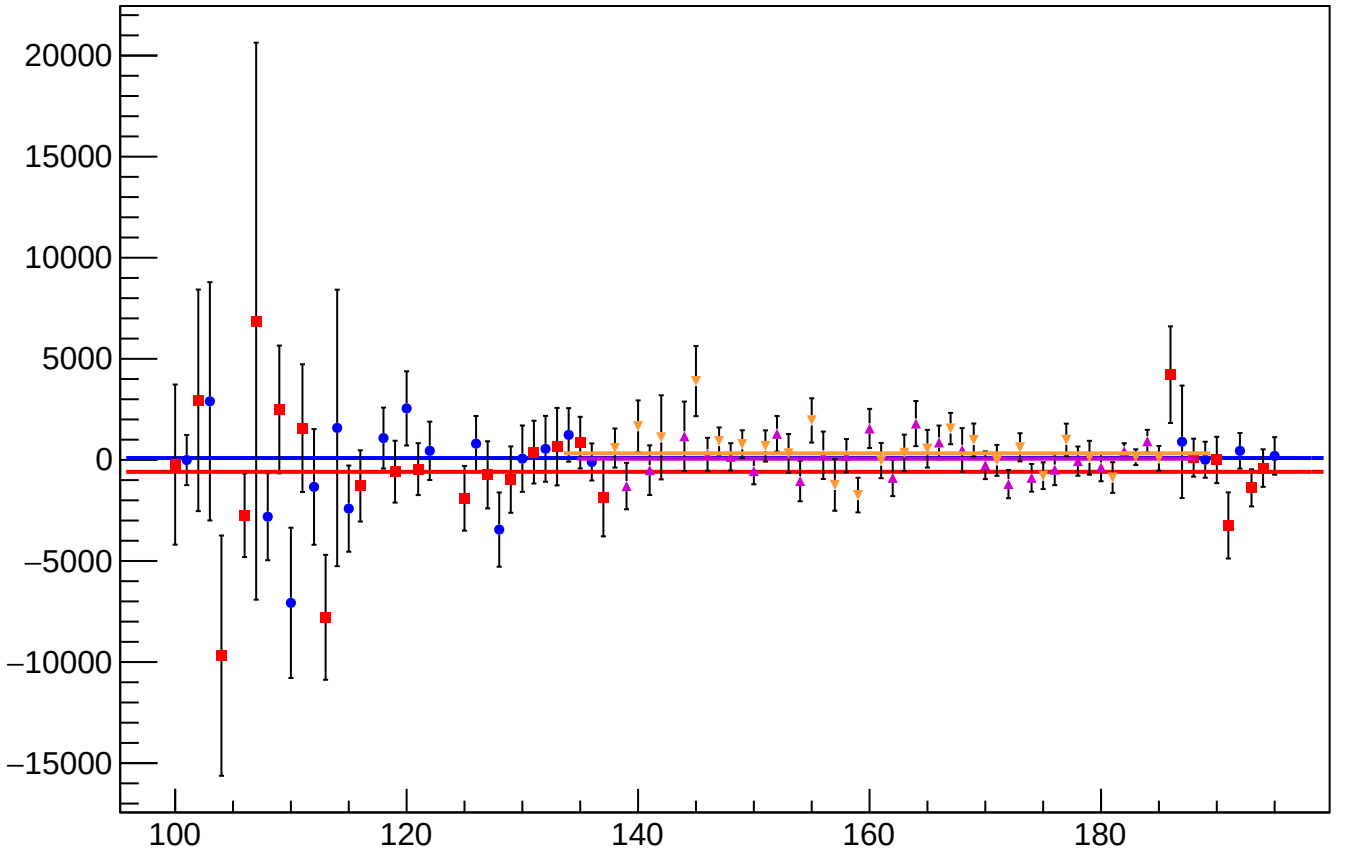
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2546.722+/-0.399 χ^2/NDF: 746551.8/43

In: 2415.871+/-0.323 χ^2/NDF:302082.4/42

Out: 2438.287+/-0.319 χ^2/NDF:587413.0/47

All: 2427.212+/-0.227 χ^2/NDF: 891935.2/90



Right In: 92.430+/-320.660 χ^2/NDF: 14.8/19

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -589.574+/-324.248 χ^2/NDF: 22.7/23

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

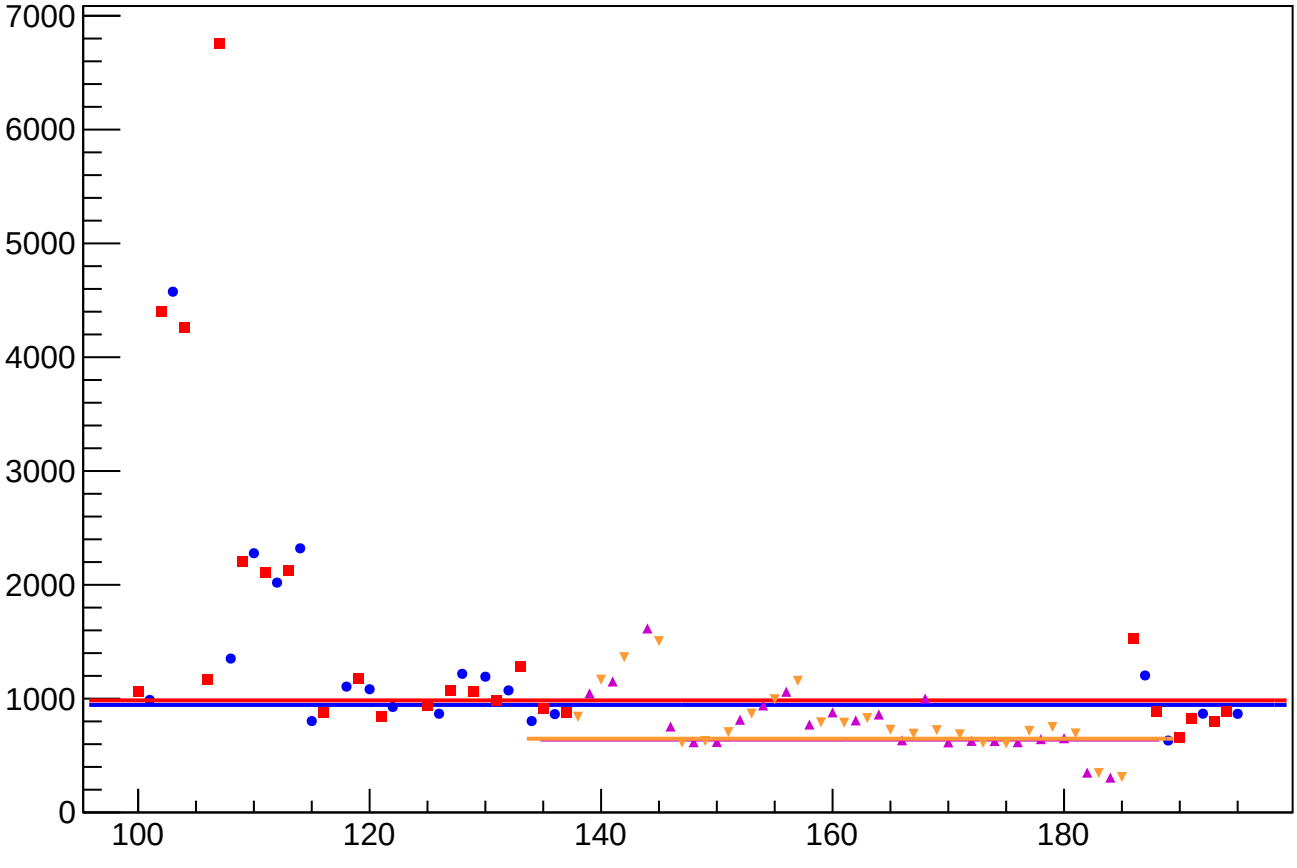
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -244.778+/-227.999 χ^2/NDF: 39.8/43

In: 66.138+/-142.930 χ^2/NDF:37.5/42

Out: 146.607+/-143.512 χ^2/NDF:55.9/47

All: 106.209+/-101.272 χ^2/NDF: 93.6/90



Right In: 944.964+/-0.227 χ^2/NDF: 1937641.2/19

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 984.669+/-0.229 χ^2/NDF: 3124026.7/23

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

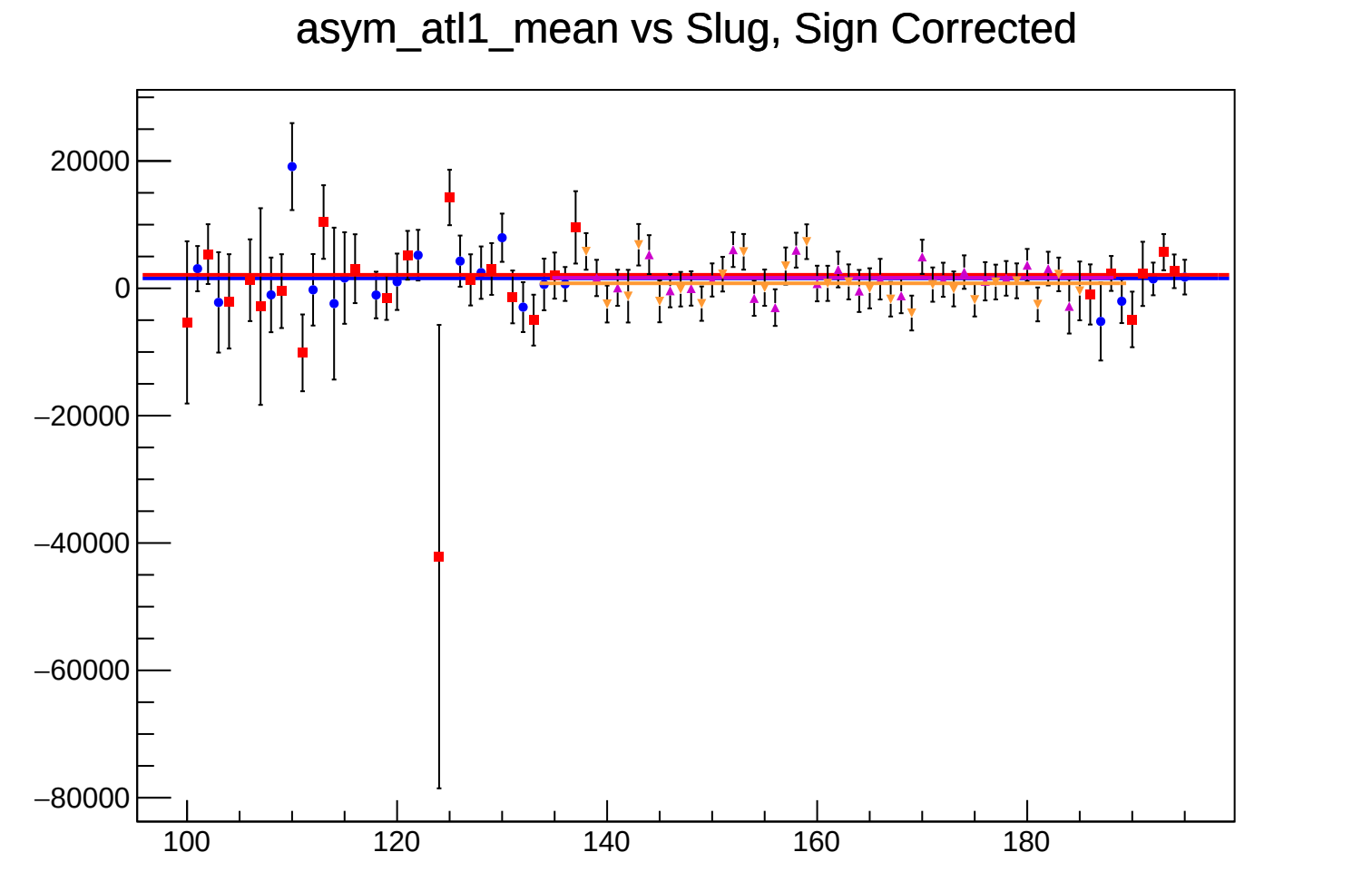
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 964.596+/-0.161 χ^2/NDF: 5076829.5/43

In: 700.930+/-0.101 χ^2/NDF:7511976.1/42

Out: 714.033+/-0.101 χ^2/NDF:8743767.4/47

All: 707.455+/-0.072 χ^2/NDF: 16264114.3/90



Right In: 1565.471+/-895.145 χ^2/NDF: 15.9/19

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 2121.848+/-873.765 χ^2/NDF: 28.9/24

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

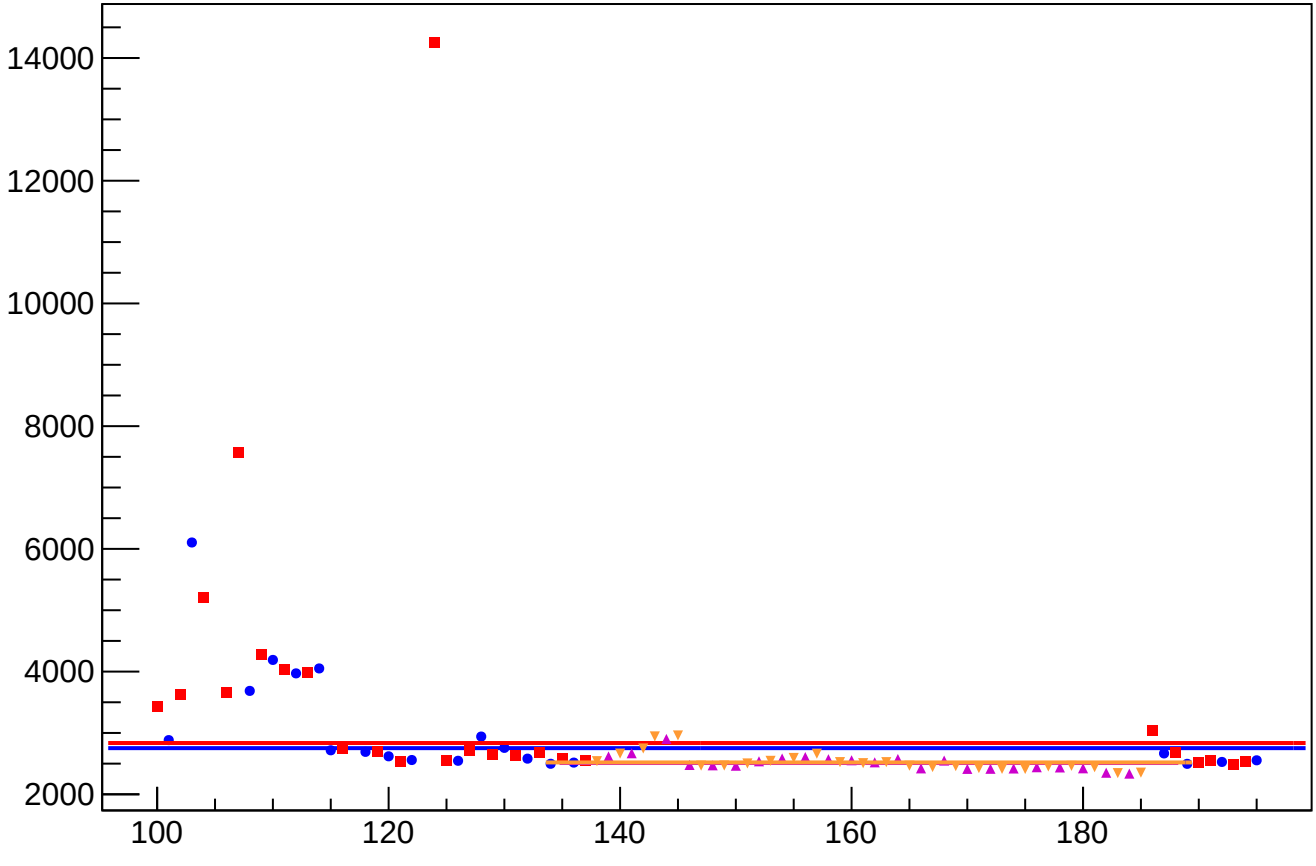
Right: 1850.383+/-625.267 χ^2/NDF: 45.1/44

In: 1627.831+/-490.734 χ^2/NDF:33.3/42

Out: 1191.784+/-479.314 χ^2/NDF:57.7/49

All: 1404.675+/-342.892 χ^2/NDF: 91.4/92

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2752.372+/-0.633 χ^2/NDF: 703097.4/19

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2835.922+/-0.618 χ^2/NDF: 1099548.1/24

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

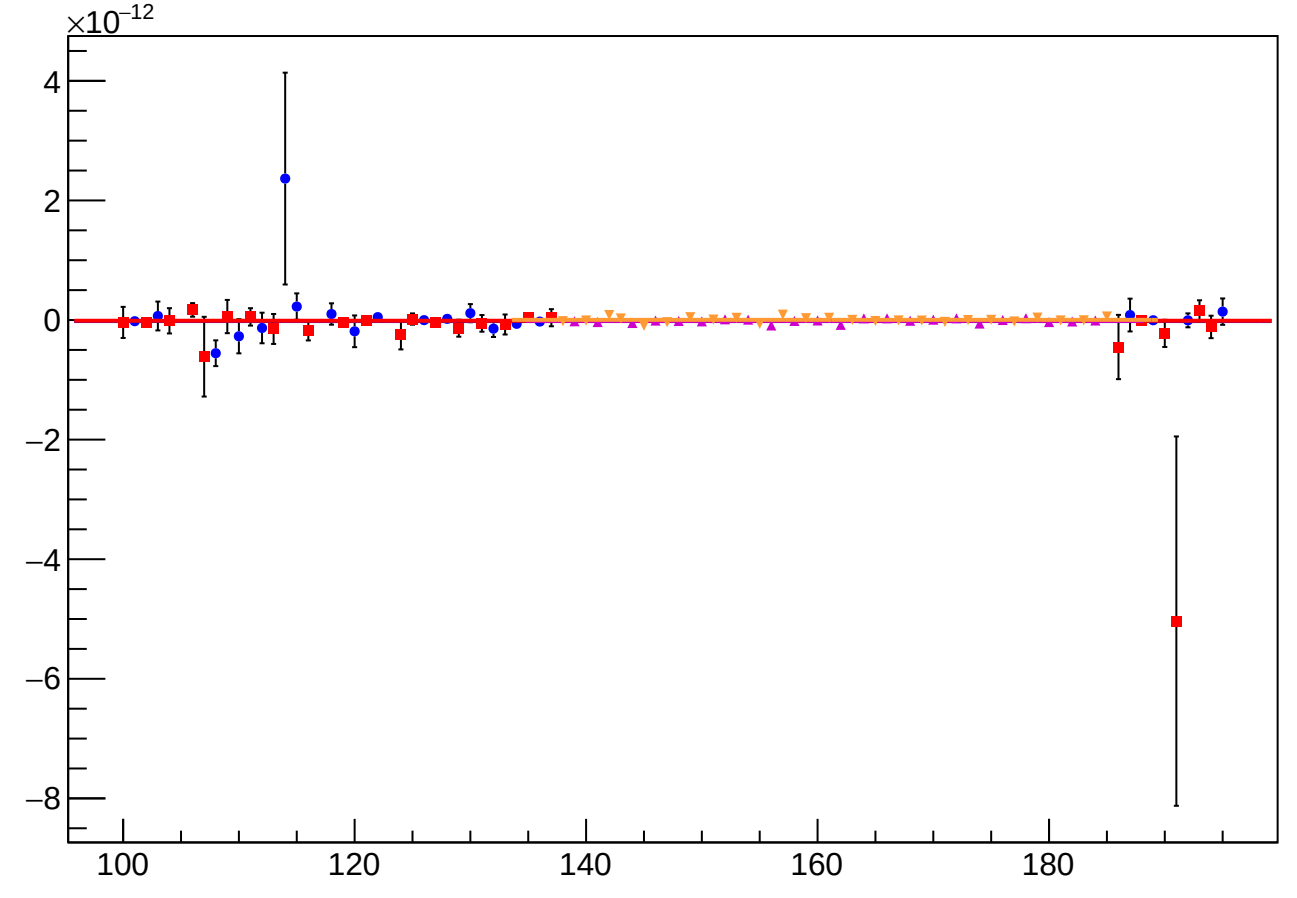
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2795.157+/-0.442 χ^2/NDF: 1811567.9/44

In: 2582.952+/-0.347 χ^2/NDF:879294.8/42

Out: 2614.728+/-0.339 χ^2/NDF:1398092.8/49

All: 2599.214+/-0.242 χ^2/NDF: 2281679.1/92



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/24

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

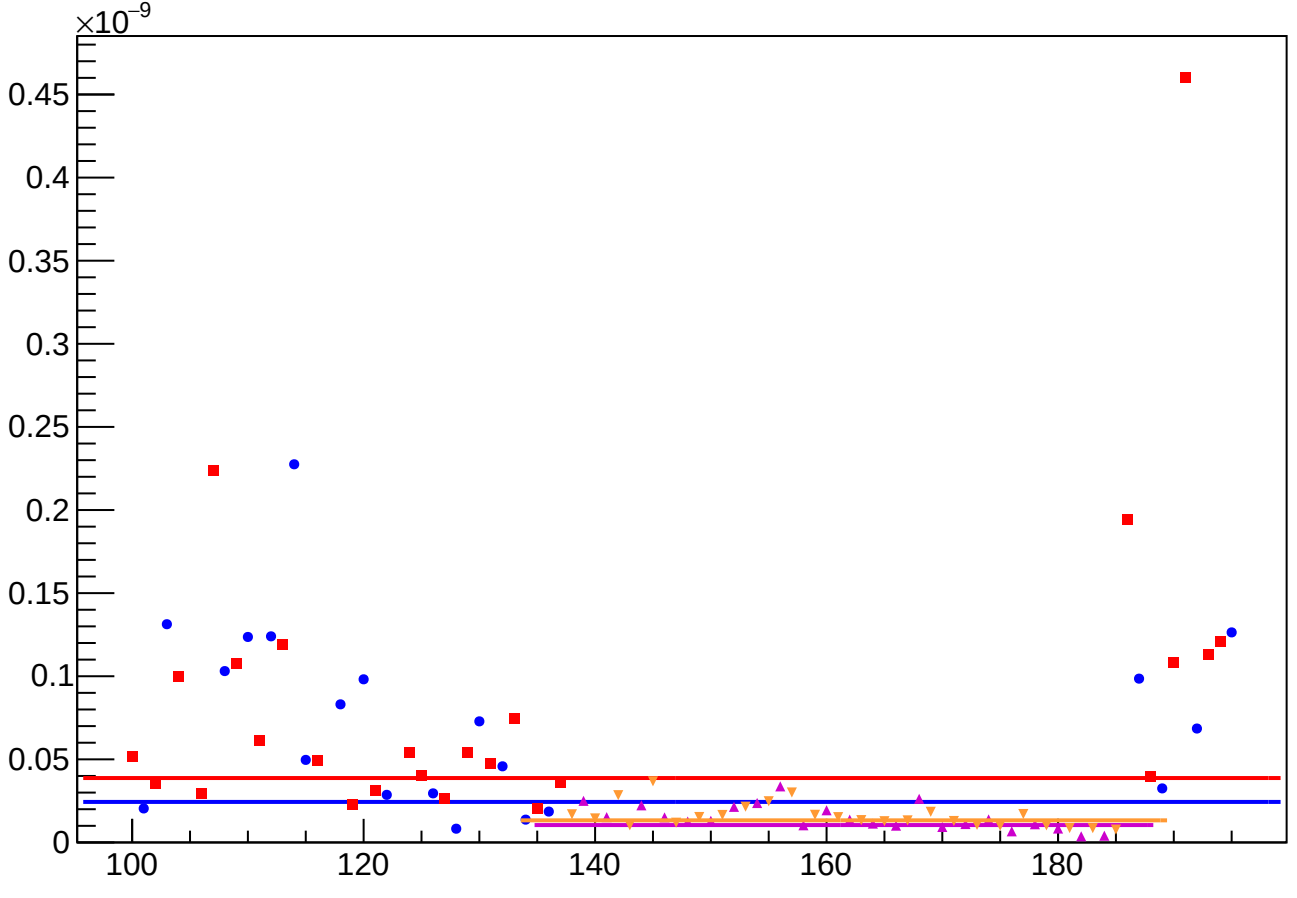
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 29.9/44

In: -0.000+/-0.000 χ^2/NDF:48.4/42

Out: 0.000+/-0.000 χ^2/NDF:42.9/49

All: -0.000+/-0.000 χ^2/NDF: 96.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 3266472.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2427244.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

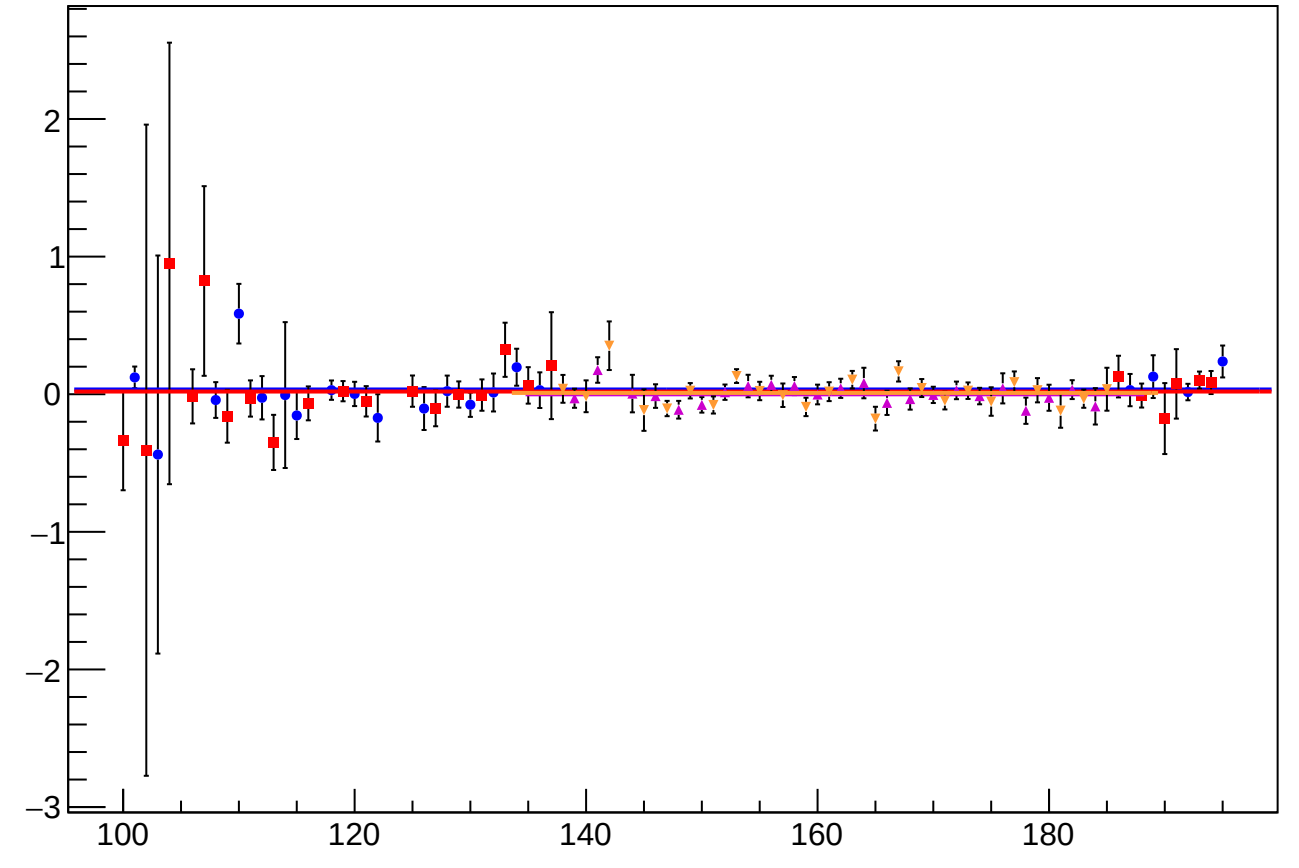
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 6230885.9/44

In: 0.000+/-0.000 χ^2/NDF:7401707.8/42

Out: 0.000+/-0.000 χ^2/NDF:6361338.9/49

All: 0.000+/-0.000 χ^2/NDF: 14163042.6/92



Right In: 0.034+/-0.025 χ^2/NDF: 18.5/19

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.020+/-0.026 χ^2/NDF: 15.4/23

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

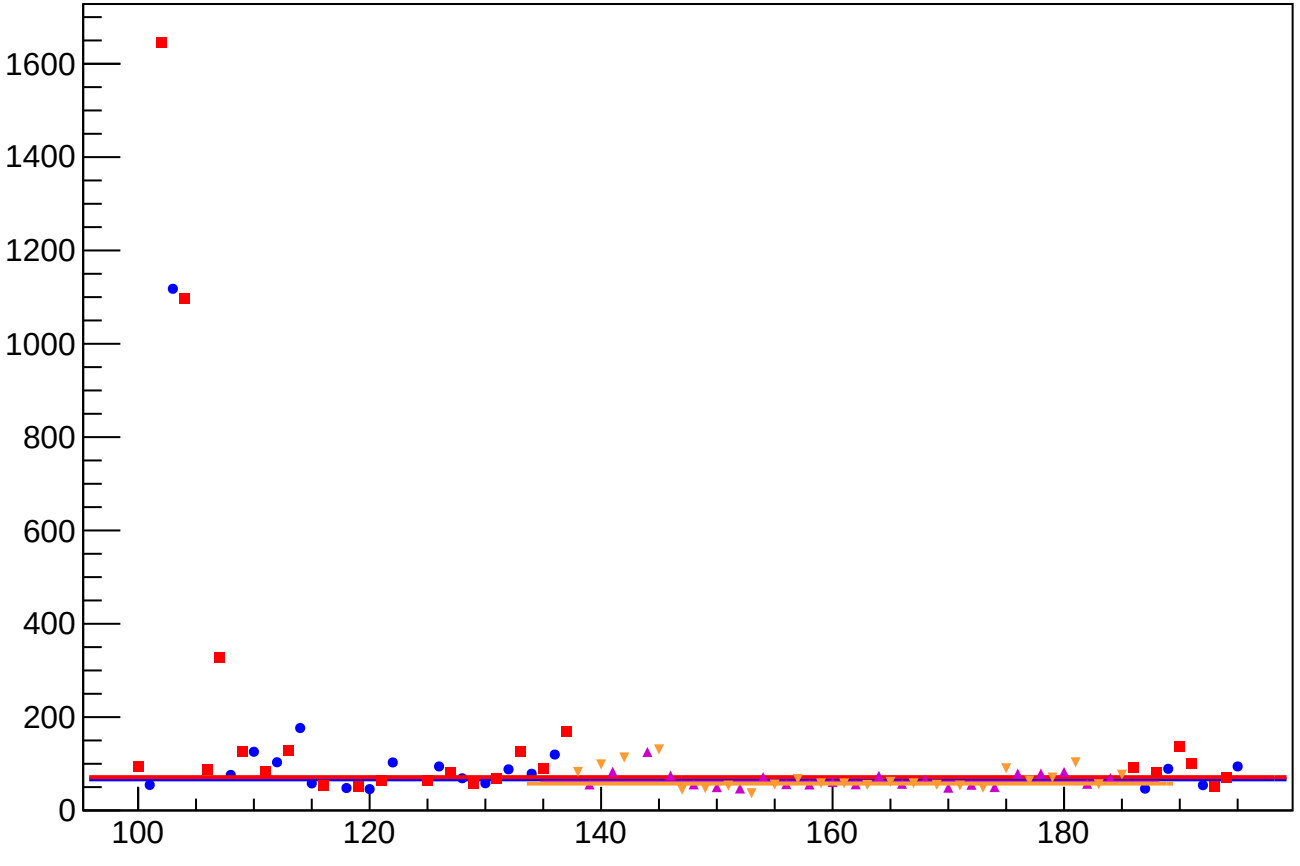
Right: 0.027+/-0.018 χ^2/NDF: 34.1/43

In: 0.009+/-0.013 χ^2/NDF:35.5/42

Out: 0.012+/-0.013 χ^2/NDF:50.2/47

All: 0.010+/-0.009 χ^2/NDF: 85.8/90

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.660+/-0.018 χ^2/NDF: 2586413.5/19

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 71.349+/-0.018 χ^2/NDF: 3356733.4/23

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

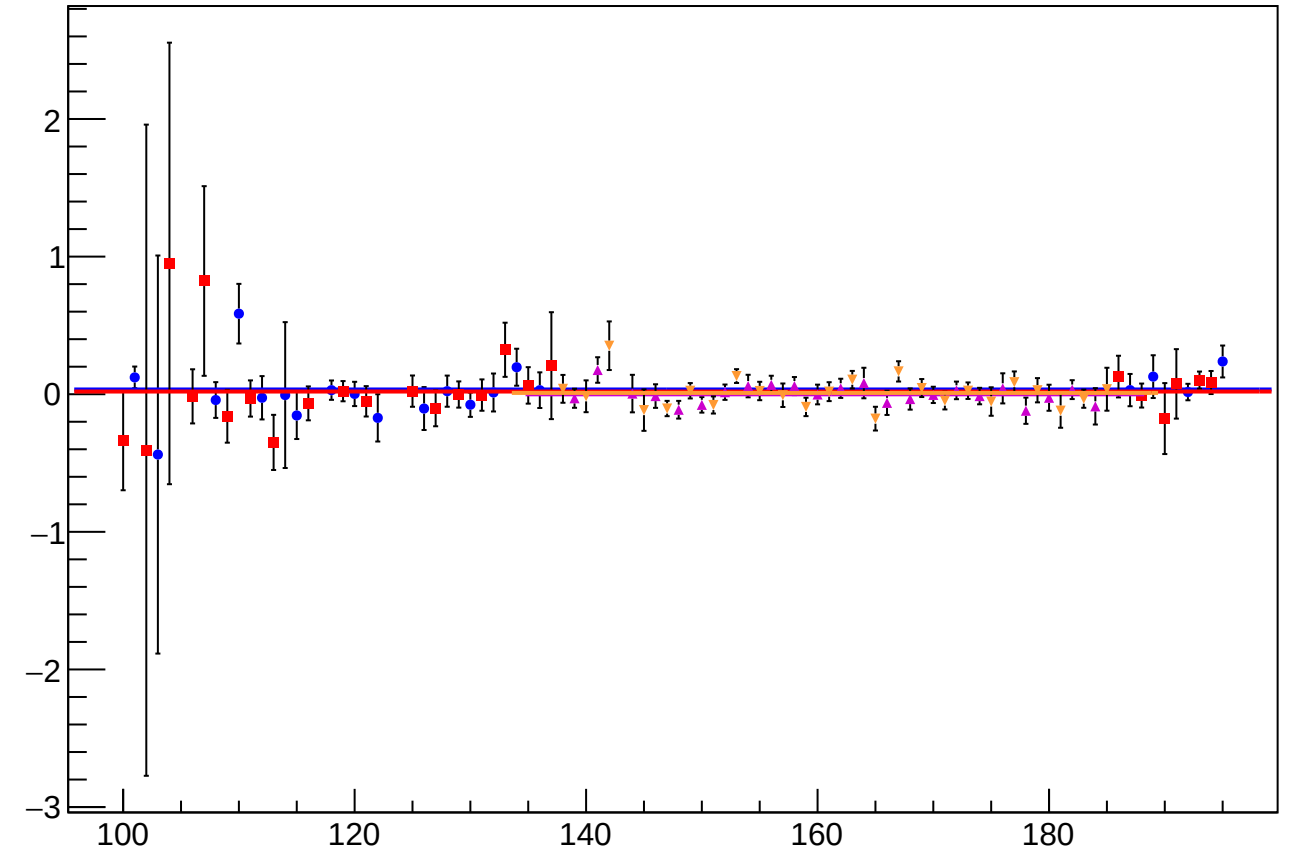
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 68.951+/-0.013 χ^2/NDF: 5976841.9/43

In: 61.696+/-0.009 χ^2/NDF:4033446.8/42

Out: 61.107+/-0.009 χ^2/NDF:5991595.0/47

All: 61.398+/-0.007 χ^2/NDF: 10027050.2/90



Right In: 0.034+/-0.025 χ^2/NDF: 18.5/19

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.020+/-0.026 χ^2/NDF: 15.4/23

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

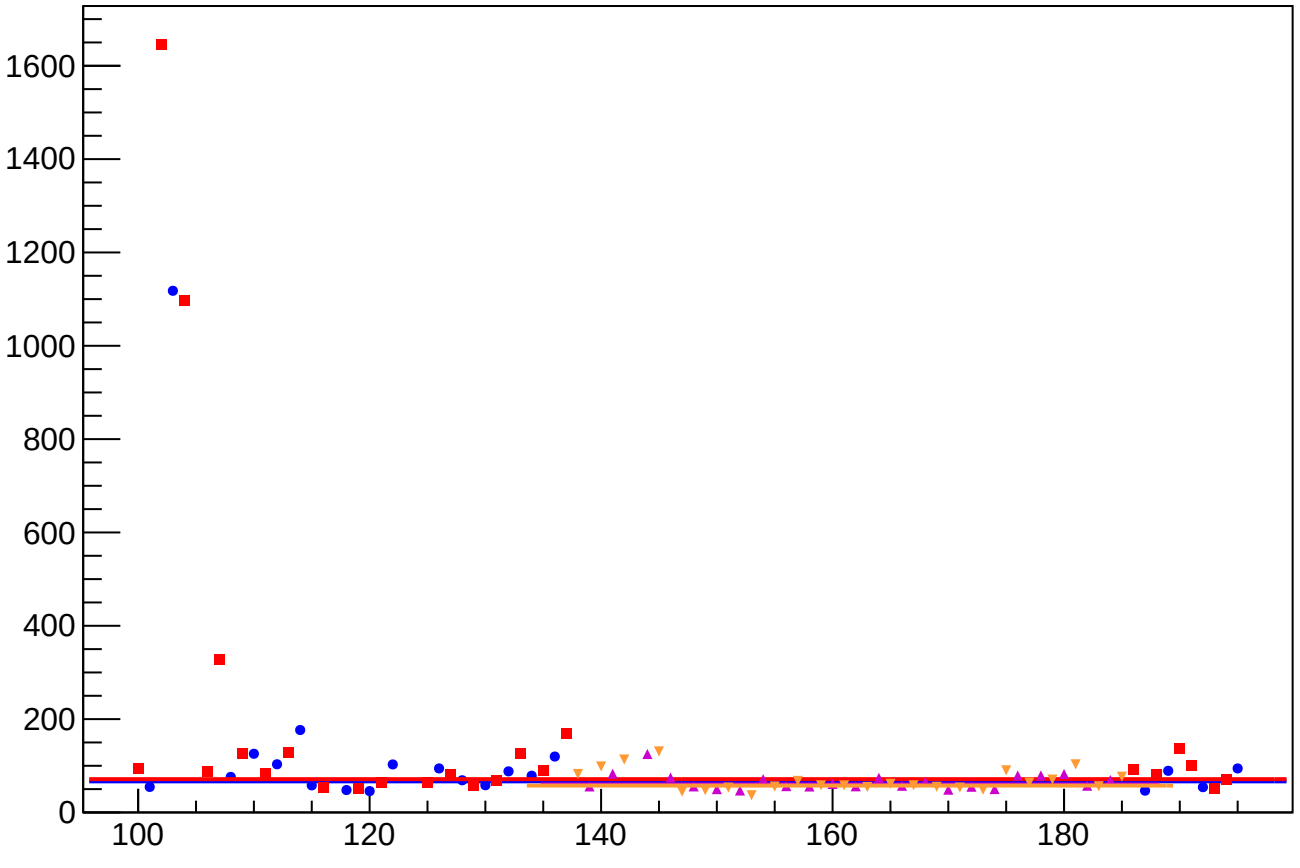
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.027+/-0.018 χ^2/NDF: 34.1/43

In: 0.009+/-0.013 χ^2/NDF:35.5/42

Out: 0.012+/-0.013 χ^2/NDF:50.2/47

All: 0.010+/-0.009 χ^2/NDF: 85.8/90



Right In: 66.660+/-0.018 χ^2/NDF: 2586413.5/19

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 71.349+/-0.018 χ^2/NDF: 3356733.4/23

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

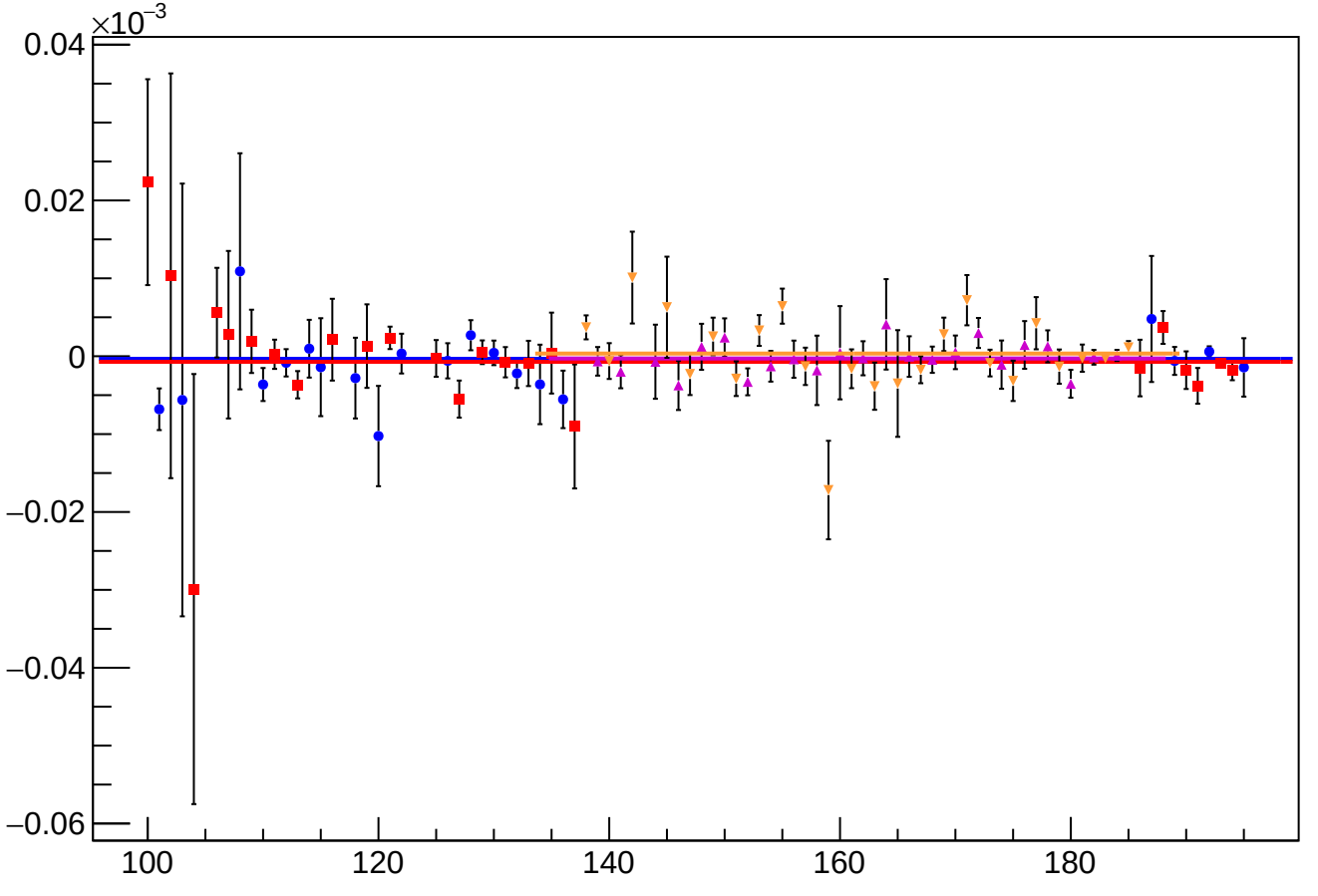
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 68.951+/-0.013 χ^2/NDF: 5976841.9/43

In: 61.696+/-0.009 χ^2/NDF:4033446.8/42

Out: 61.107+/-0.009 χ^2/NDF:5991595.0/47

All: 61.398+/-0.007 χ^2/NDF: 10027050.2/90



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/23

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

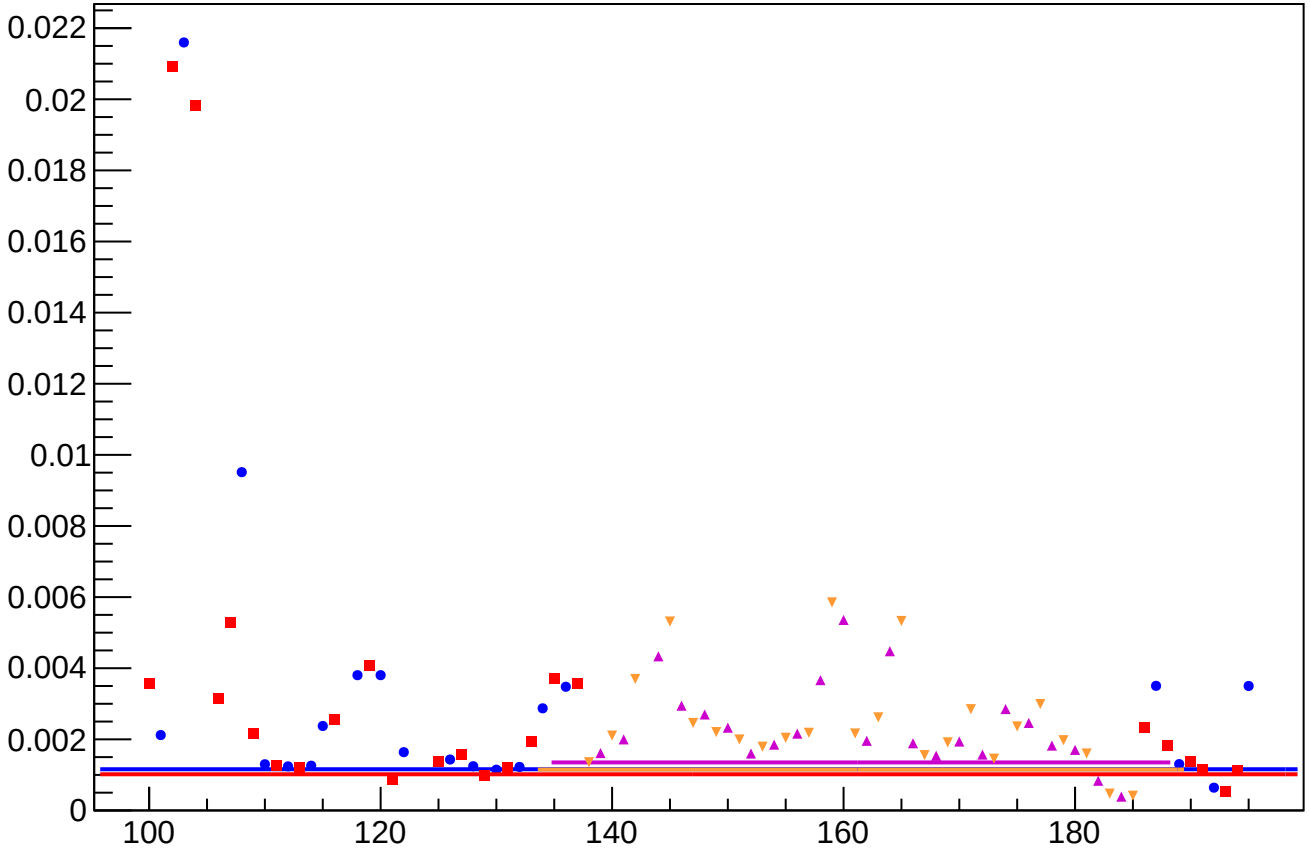
Right: -0.000+/-0.000 χ^2/NDF: 48.0/43

In: -0.000+/-0.000 χ^2/NDF:35.1/42

Out: -0.000+/-0.000 χ^2/NDF:78.3/47

All: -0.000+/-0.000 χ^2/NDF: 113.7/90

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6120721.7/19

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6886790.6/23

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

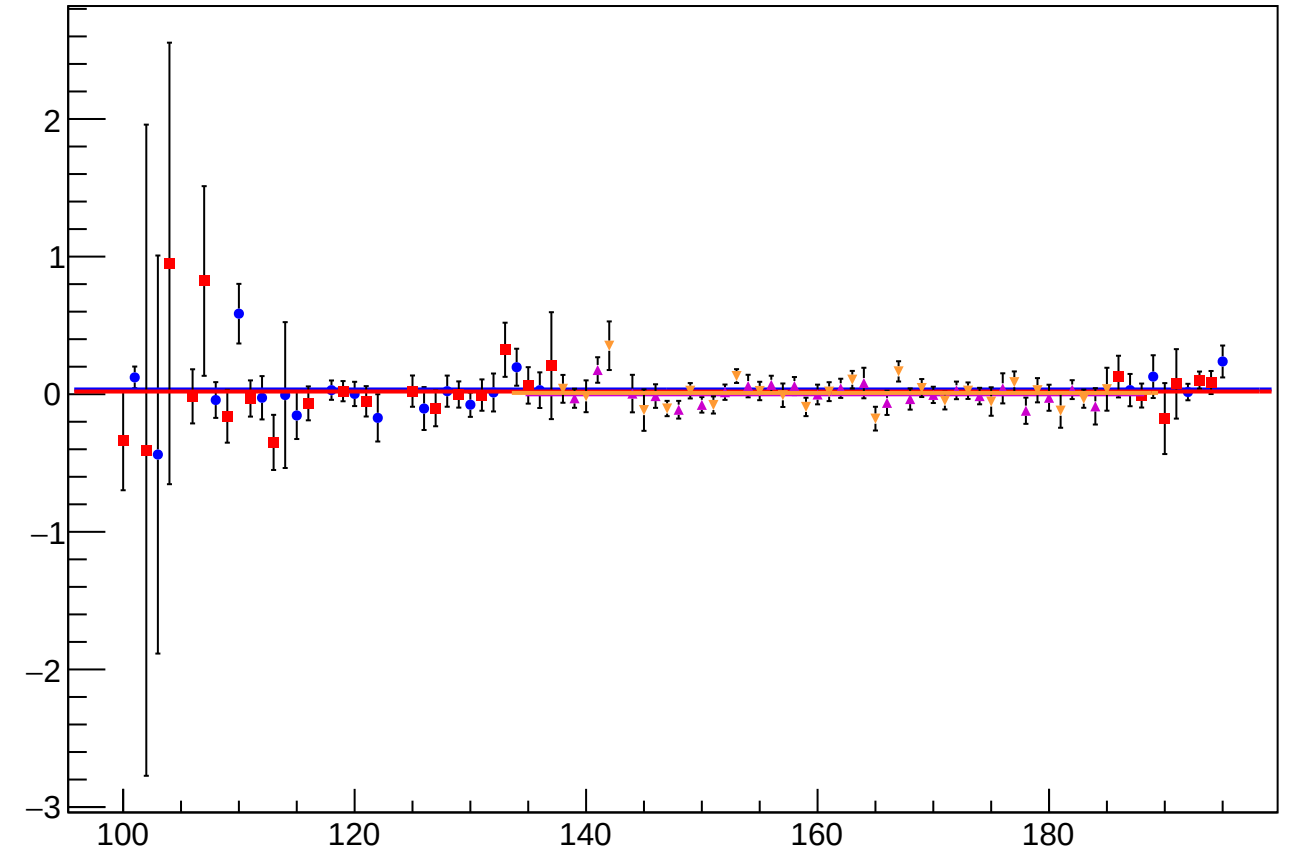
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 13118950.9/43

In: 0.001+/-0.000 χ^2/NDF:16574144.9/42

Out: 0.001+/-0.000 χ^2/NDF:20260637.7/47

All: 0.001+/-0.000 χ^2/NDF: 37256153.7/90



Right In: 0.034+/-0.025 χ^2/NDF: 18.5/19

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.020+/-0.026 χ^2/NDF: 15.4/23

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

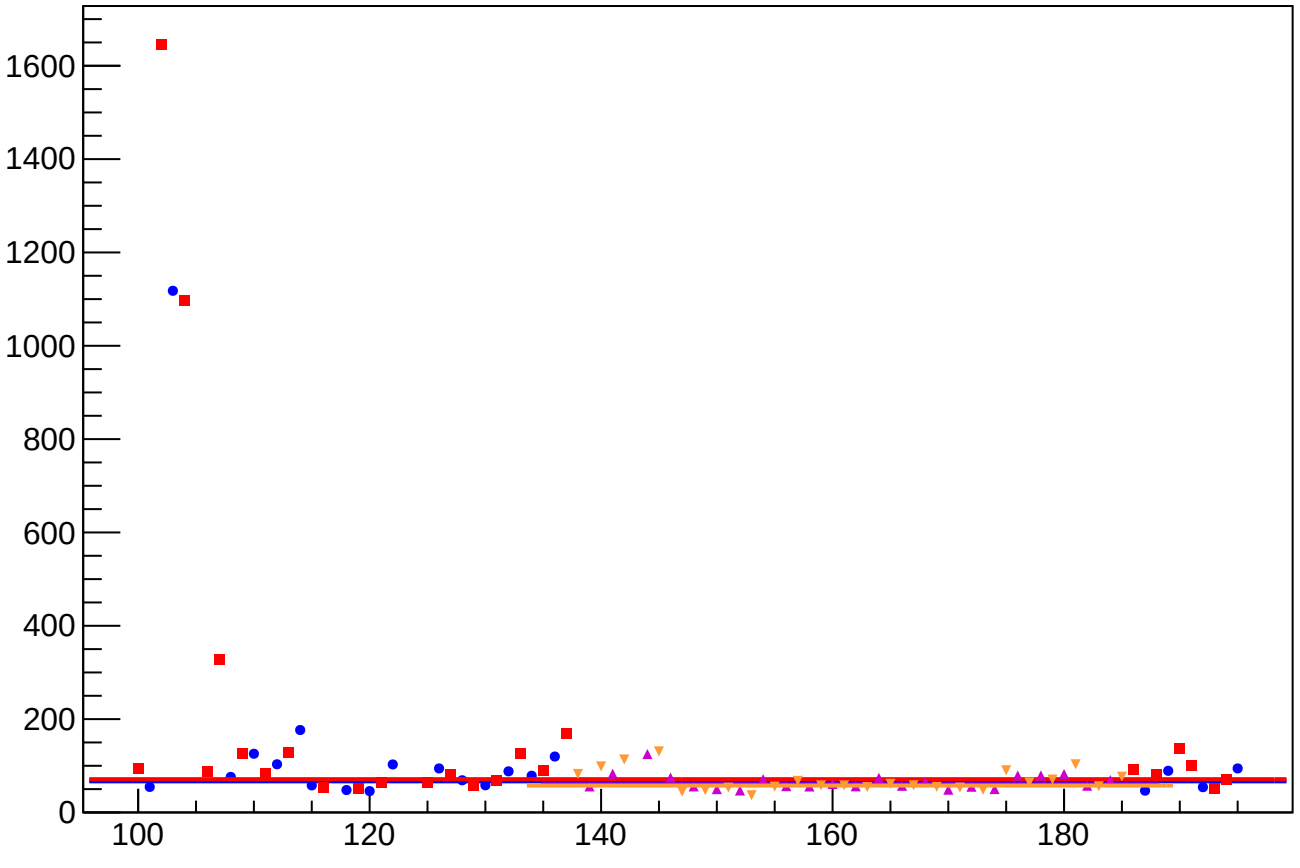
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.027+/-0.018 χ^2/NDF: 34.1/43

In: 0.009+/-0.013 χ^2/NDF:35.5/42

Out: 0.012+/-0.013 χ^2/NDF:50.2/47

All: 0.010+/-0.009 χ^2/NDF: 85.8/90



Right In: 66.659+/-0.018 χ^2/NDF: 2586520.2/19

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 71.349+/-0.018 χ^2/NDF: 3356740.1/23

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

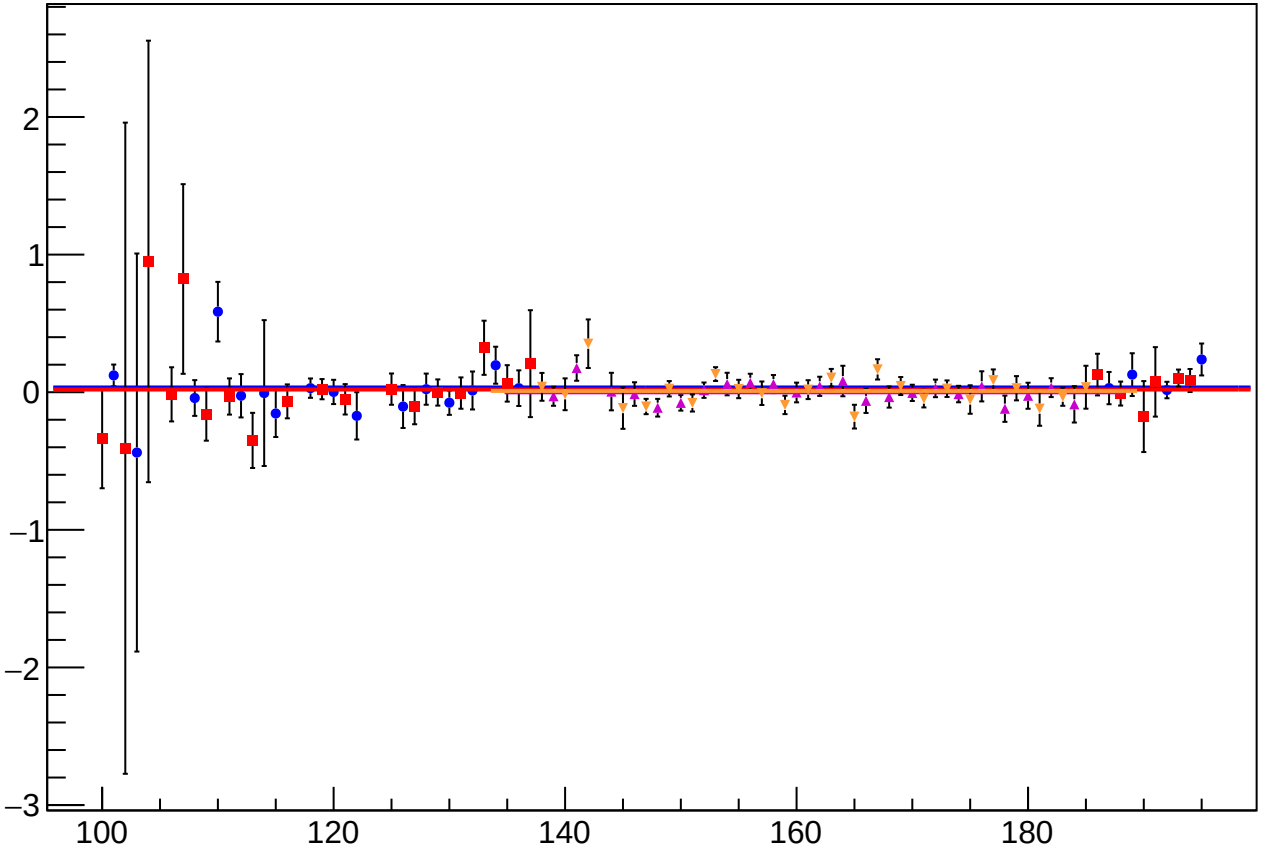
Right: 68.950+/-0.013 χ^2/NDF: 5976961.6/43

In: 61.696+/-0.009 χ^2/NDF:4033508.2/42

Out: 61.107+/-0.009 χ^2/NDF:5991652.6/47

All: 61.398+/-0.007 χ^2/NDF: 10027169.1/90

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.025 χ^2/NDF: 18.5/19

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.020+/-0.026 χ^2/NDF: 15.4/23

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

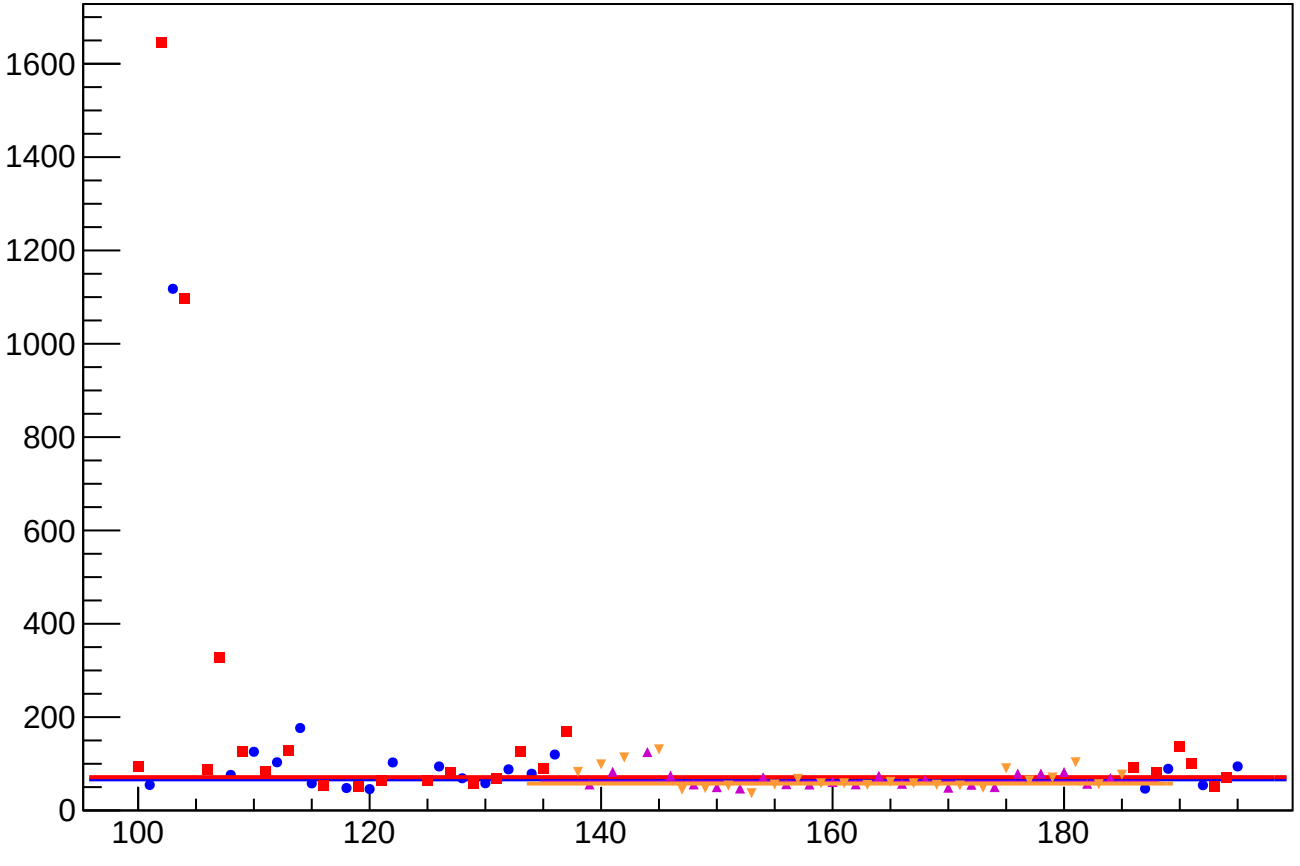
Right: 0.027+/-0.018 χ^2/NDF: 34.1/43

In: 0.009+/-0.013 χ^2/NDF:35.5/42

Out: 0.012+/-0.013 χ^2/NDF:50.2/47

All: 0.010+/-0.009 χ^2/NDF: 85.8/90

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.659+/-0.018 χ^2/NDF: 2586520.2/19

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 71.349+/-0.018 χ^2/NDF: 3356740.1/23

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

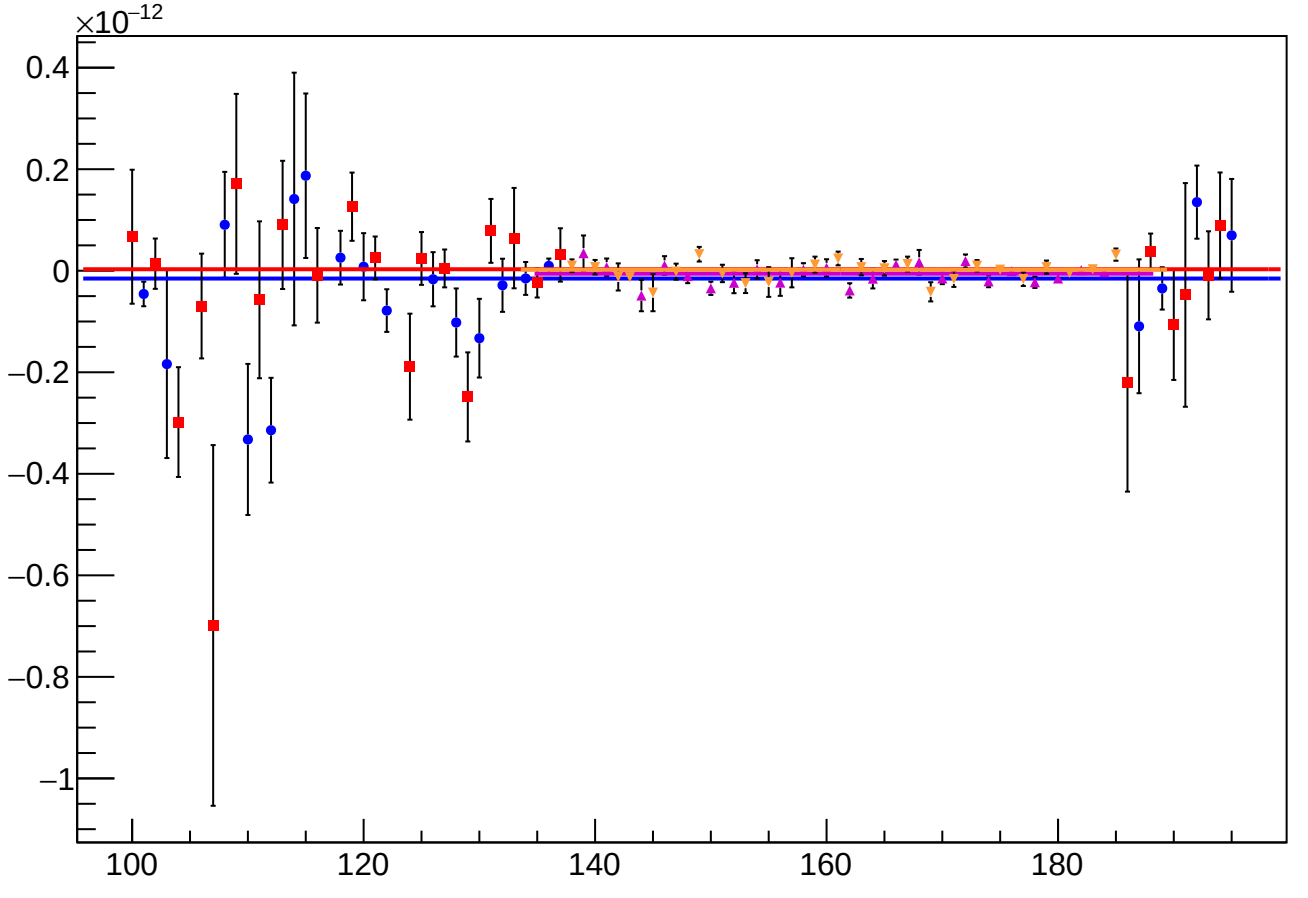
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 68.950+/-0.013 χ^2/NDF: 5976961.6/43

In: 61.696+/-0.009 χ^2/NDF:4033508.2/42

Out: 61.107+/-0.009 χ^2/NDF:5991652.6/47

All: 61.398+/-0.007 χ^2/NDF: 10027169.1/90



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/24

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

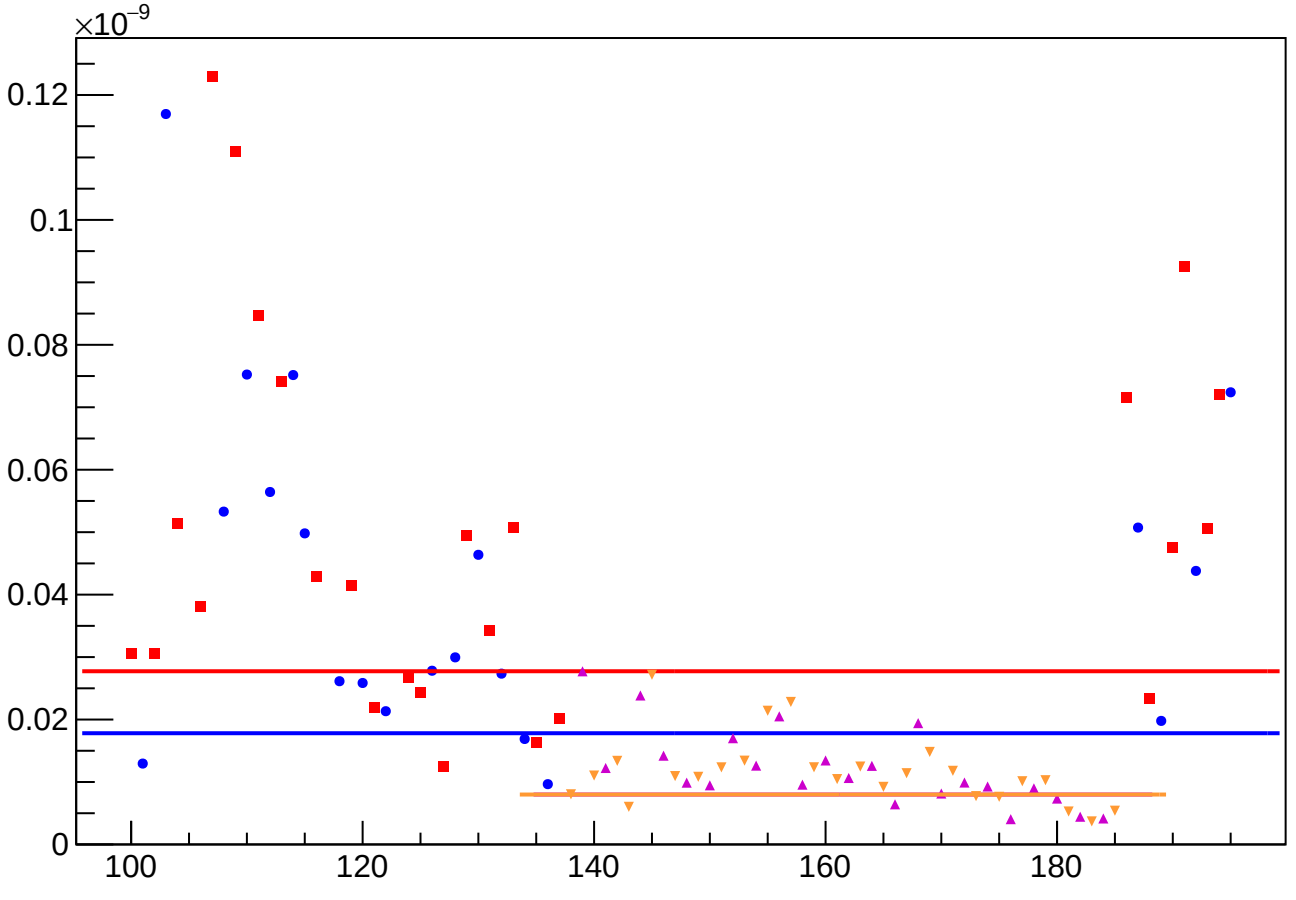
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 71.6/44

In: -0.000+/-0.000 χ^2/NDF:67.5/42

Out: 0.000+/-0.000 χ^2/NDF:68.2/49

All: -0.000+/-0.000 χ^2/NDF: 141.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 3726962.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3225943.0/24

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

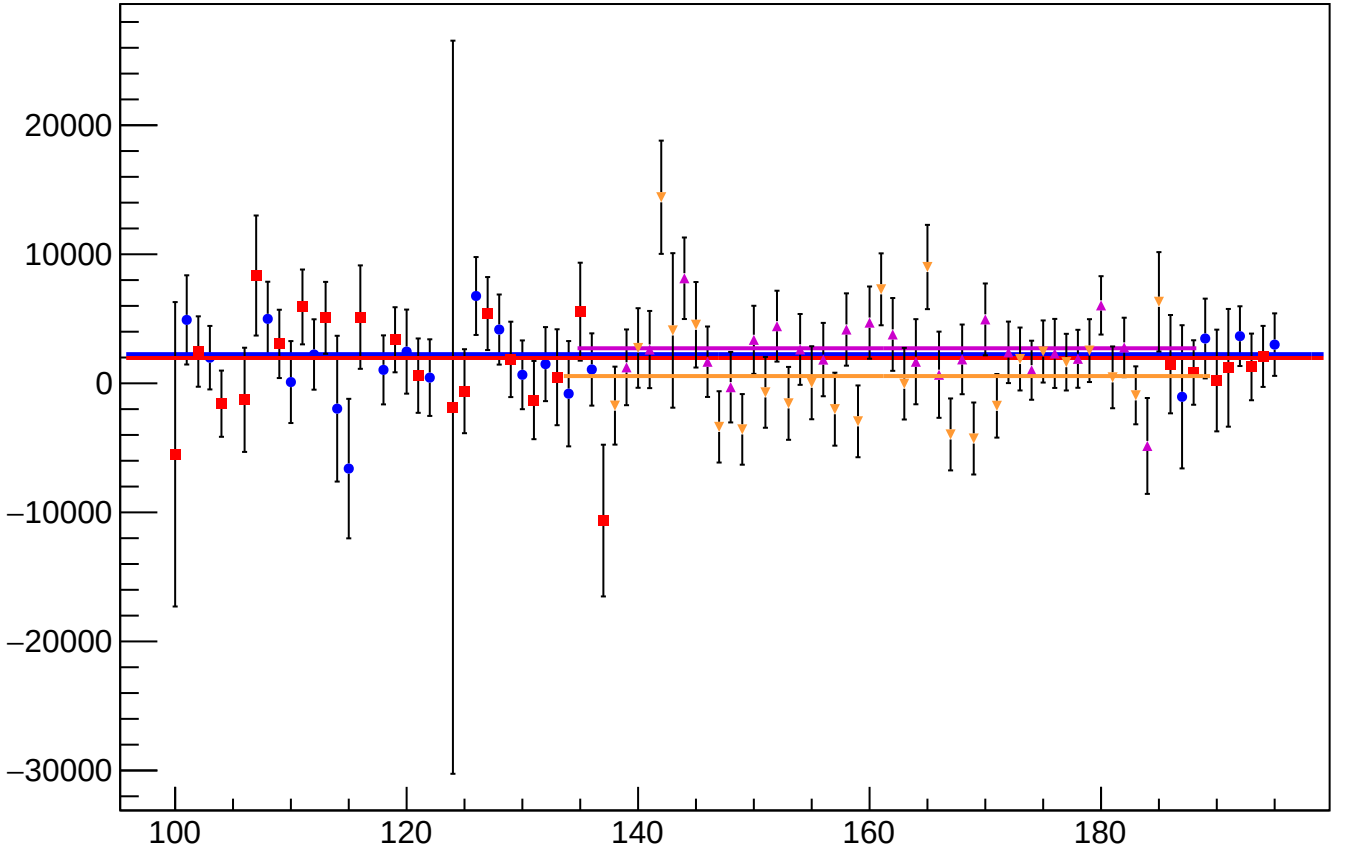
Right: 0.000+/-0.000 χ^2/NDF: 7724993.3/44

In: 0.000+/-0.000 χ^2/NDF:10884255.5/42

Out: 0.000+/-0.000 χ^2/NDF:12707921.3/49

All: 0.000+/-0.000 χ^2/NDF: 23592750.6/92

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2259.973+/-673.302 χ^2/NDF: 10.7/19

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 1963.418+/-642.916 χ^2/NDF: 18.8/24

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

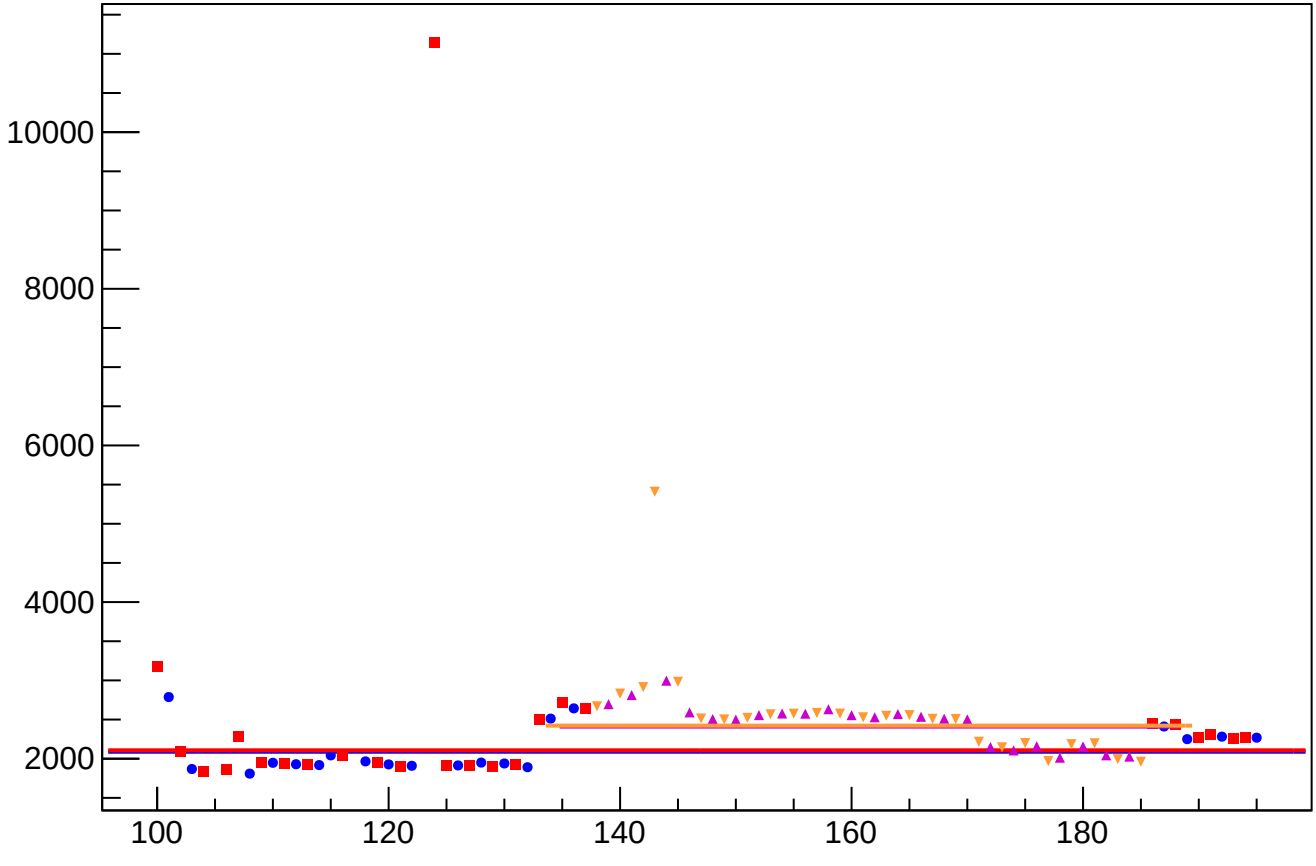
Right: 2104.853+/-464.981 χ^2/NDF: 29.5/44

In: 2527.215+/-433.344 χ^2/NDF:25.2/42

Out: 1163.490+/-421.118 χ^2/NDF:65.4/49

All: 1825.843+/-302.005 χ^2/NDF: 95.7/92

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2089.024+/-0.476 χ^2/NDF: 310302.6/19

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2107.459+/-0.455 χ^2/NDF: 492519.5/24

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

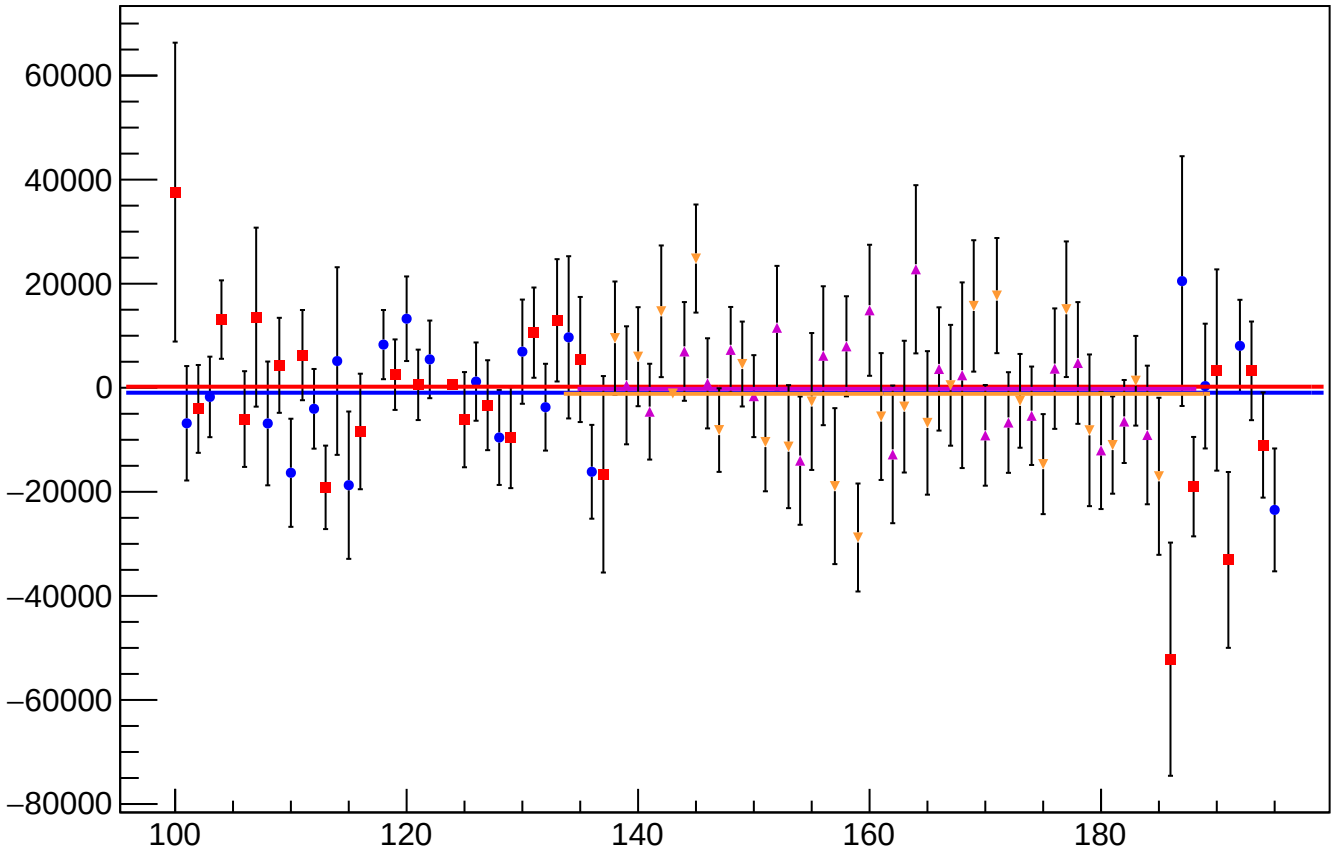
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2098.667+/-0.329 χ^2/NDF: 803606.4/44

In: 2276.935+/-0.306 χ^2/NDF:1004611.2/42

Out: 2287.136+/-0.298 χ^2/NDF:1718966.2/49

All: 2282.181+/-0.214 χ^2/NDF: 2724147.4/92



Right In: -953.016+/-2126.018 χ^2/NDF: 20.8/19

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 203.132+/-759.367 χ^2/NDF: 33.3/24

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

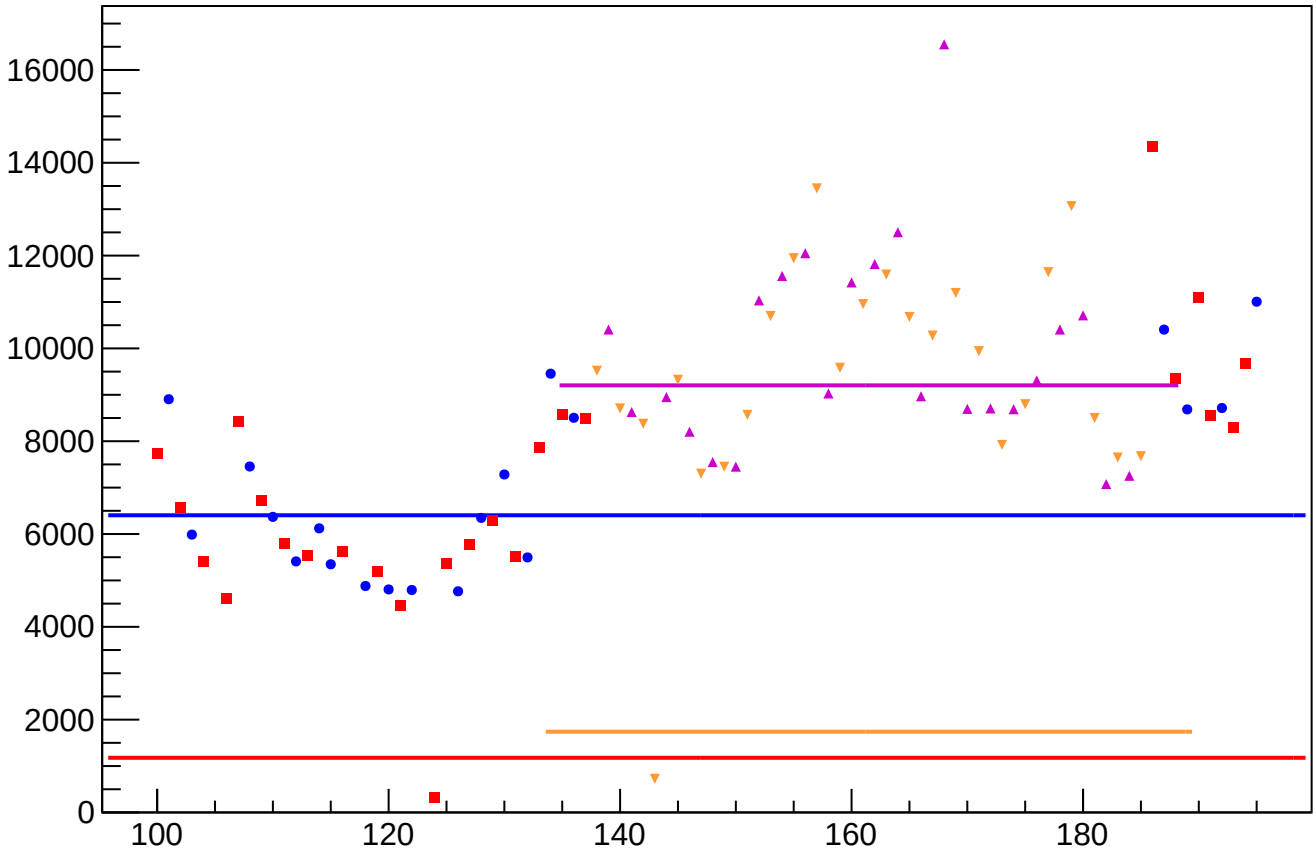
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 72.323+/-715.120 χ^2/NDF: 54.4/44

In: -593.210+/-1527.146 χ^2/NDF:34.3/42

Out: -478.949+/-536.398 χ^2/NDF:66.9/49

All: -491.498+/-506.087 χ^2/NDF: 101.2/92



Right In: 6403.810+/-1.503 χ^2/NDF: 1333167.9/19

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1178.283+/-0.537 χ^2/NDF: 17142344.6/24

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

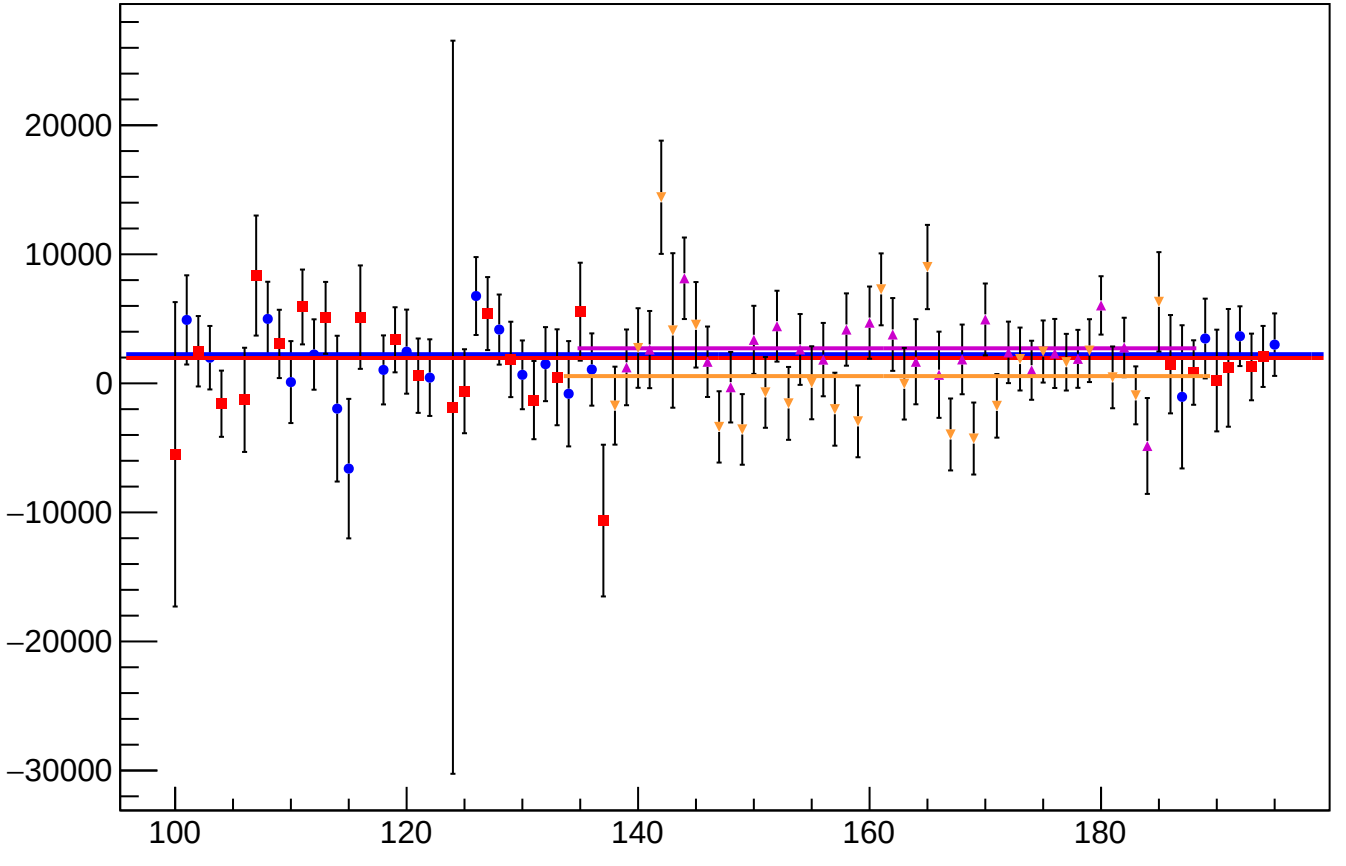
Right: 1769.510+/-0.506 χ^2/NDF: 29190963.2/44

In: 7759.059+/-1.080 χ^2/NDF:4284291.2/42

Out: 1459.569+/-0.379 χ^2/NDF:45424102.5/49

All: 2151.391+/-0.358 χ^2/NDF: 80002384.6/9

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2260.054+/-673.302 χ^2/NDF: 10.7/19

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 1964.704+/-642.920 χ^2/NDF: 18.8/24

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

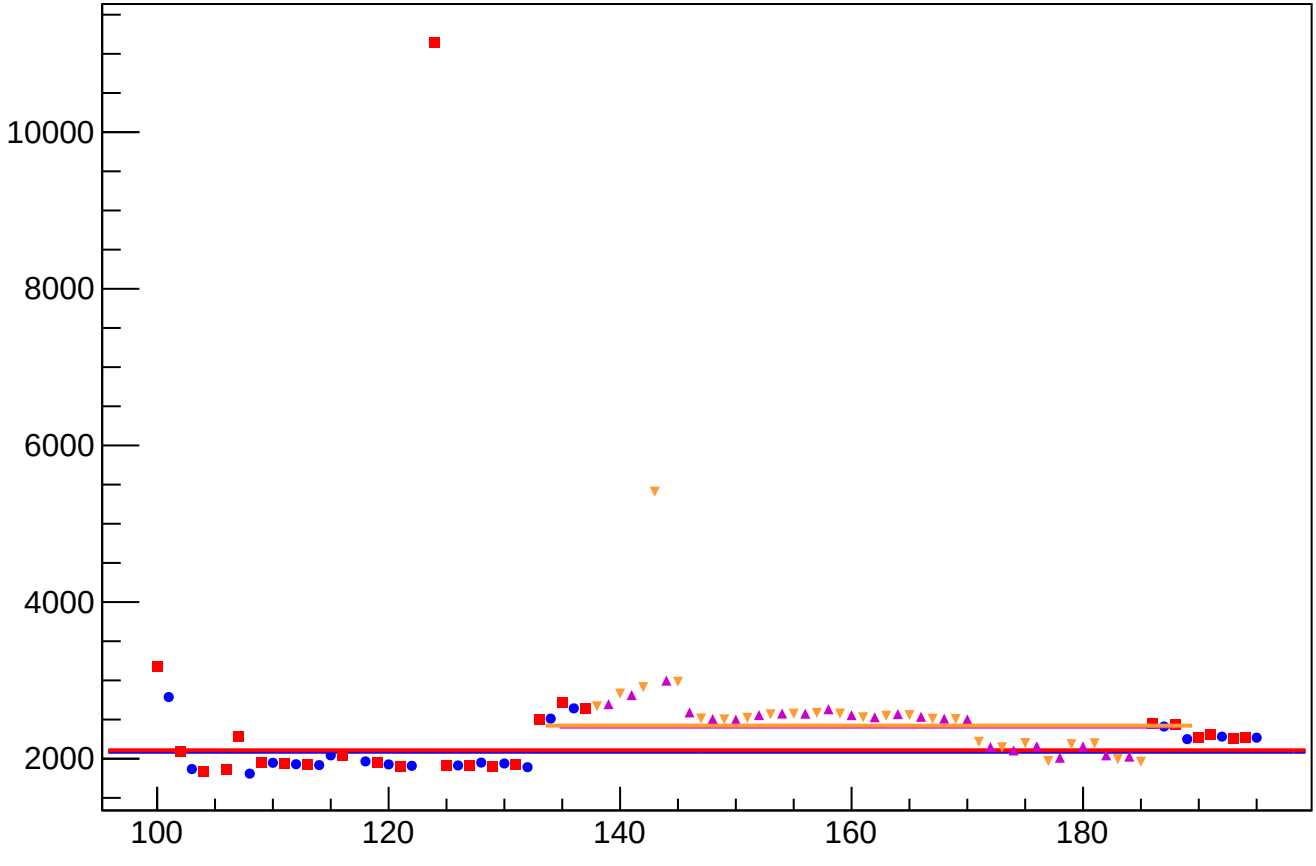
Right: 2105.565+/-464.983 χ^2/NDF: 29.5/44

In: 2527.226+/-433.344 χ^2/NDF:25.2/42

Out: 1164.037+/-421.119 χ^2/NDF:65.4/49

All: 1826.133+/-302.006 χ^2/NDF: 95.7/92

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2089.024+/-0.476 χ^2/NDF: 310302.4/19

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2107.476+/-0.455 χ^2/NDF: 492517.8/24

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

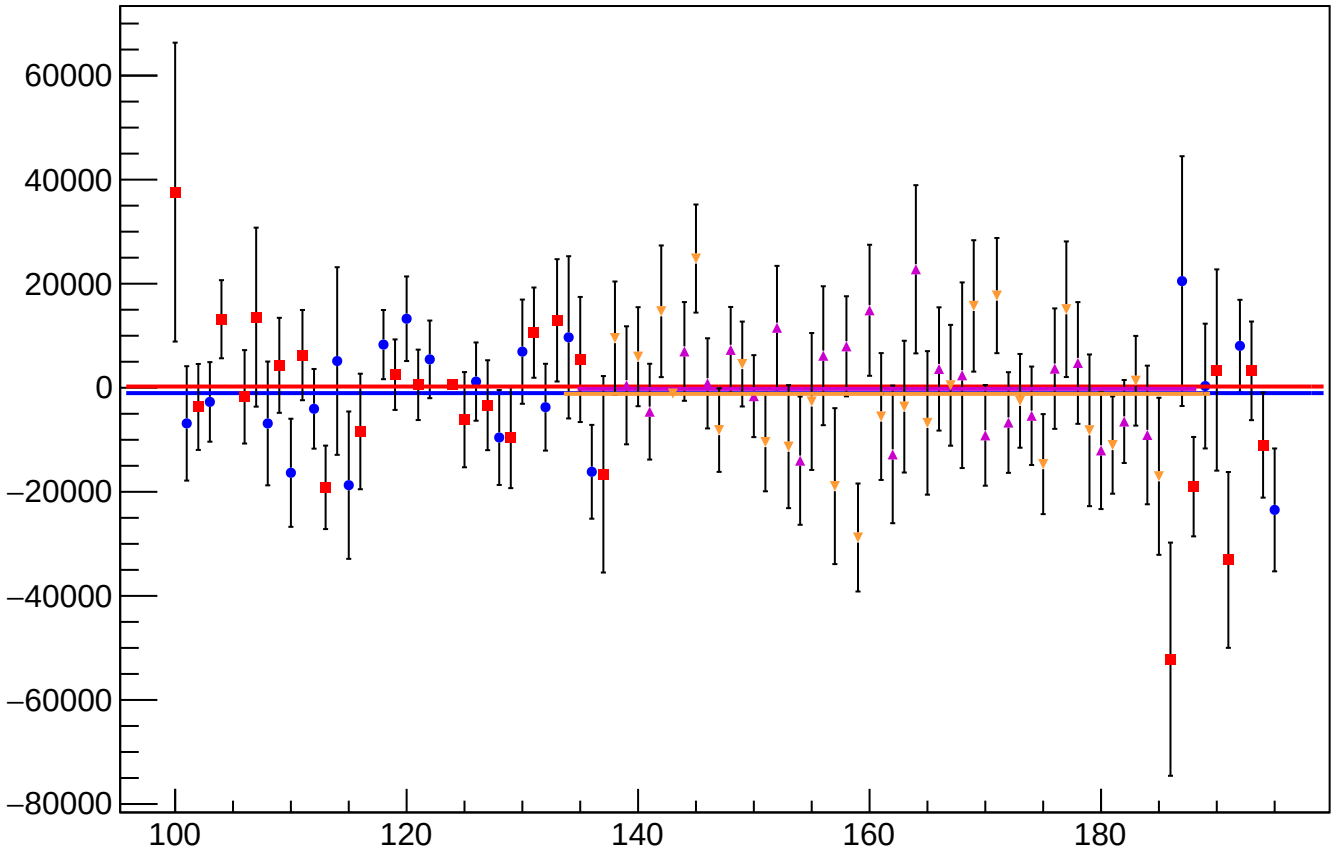
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2098.676+/-0.329 χ^2/NDF: 803605.9/44

In: 2276.935+/-0.306 χ^2/NDF:1004611.3/42

Out: 2287.144+/-0.298 χ^2/NDF:1718932.9/49

All: 2282.185+/-0.214 χ^2/NDF: 2724115.1/92



Right In: -1029.154+/-2124.107 χ^2/NDF: 20.9/19

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 235.926+/-759.039 χ^2/NDF: 33.0/24

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

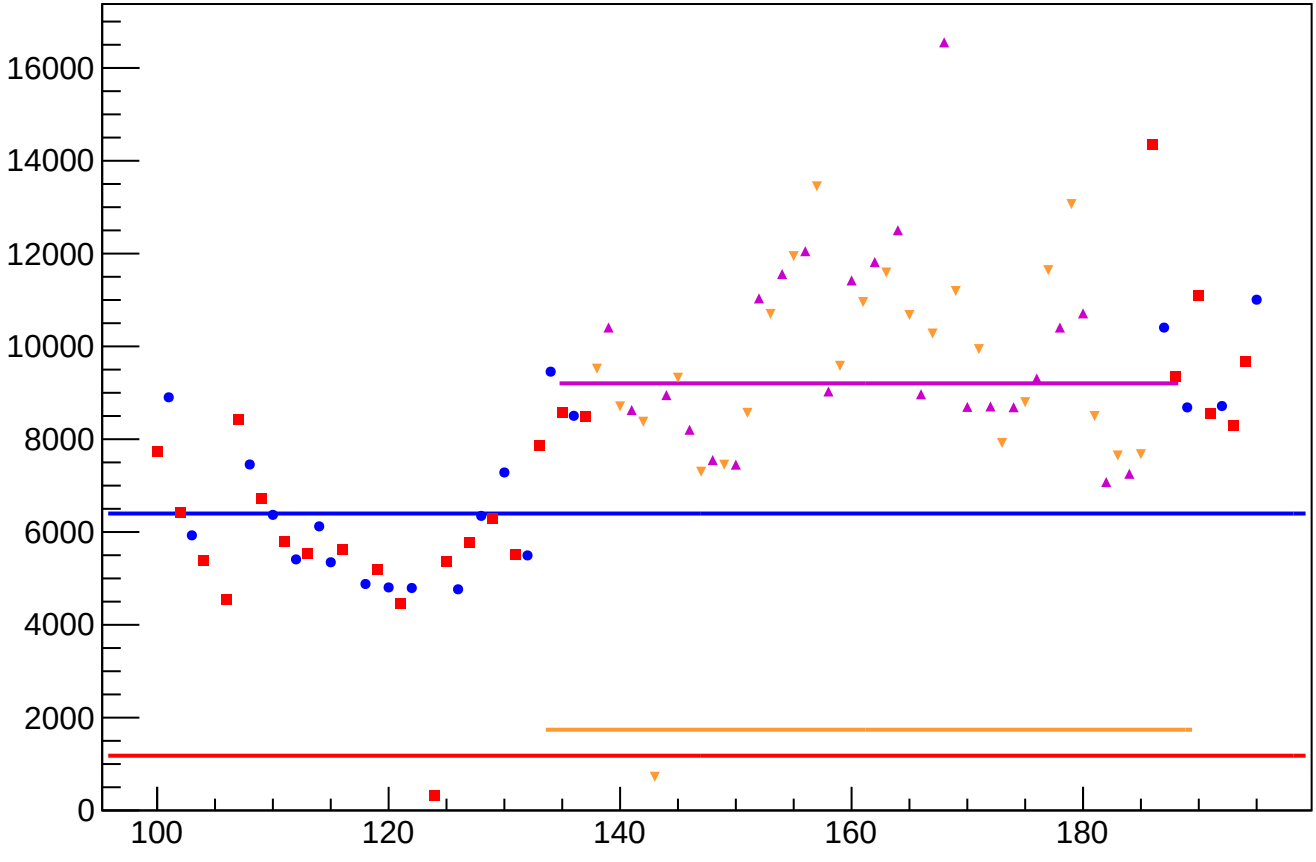
Right: 92.674+/-714.773 χ^2/NDF: 54.1/44

In: -632.788+/-1526.437 χ^2/NDF:34.3/42

Out: -462.225+/-536.259 χ^2/NDF:66.6/49

All: -480.963+/-505.945 χ^2/NDF: 100.9/92

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 6398.517+/-1.502 χ^2/NDF: 1334961.9/19

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1179.804+/-0.537 χ^2/NDF: 17136328.7/24

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

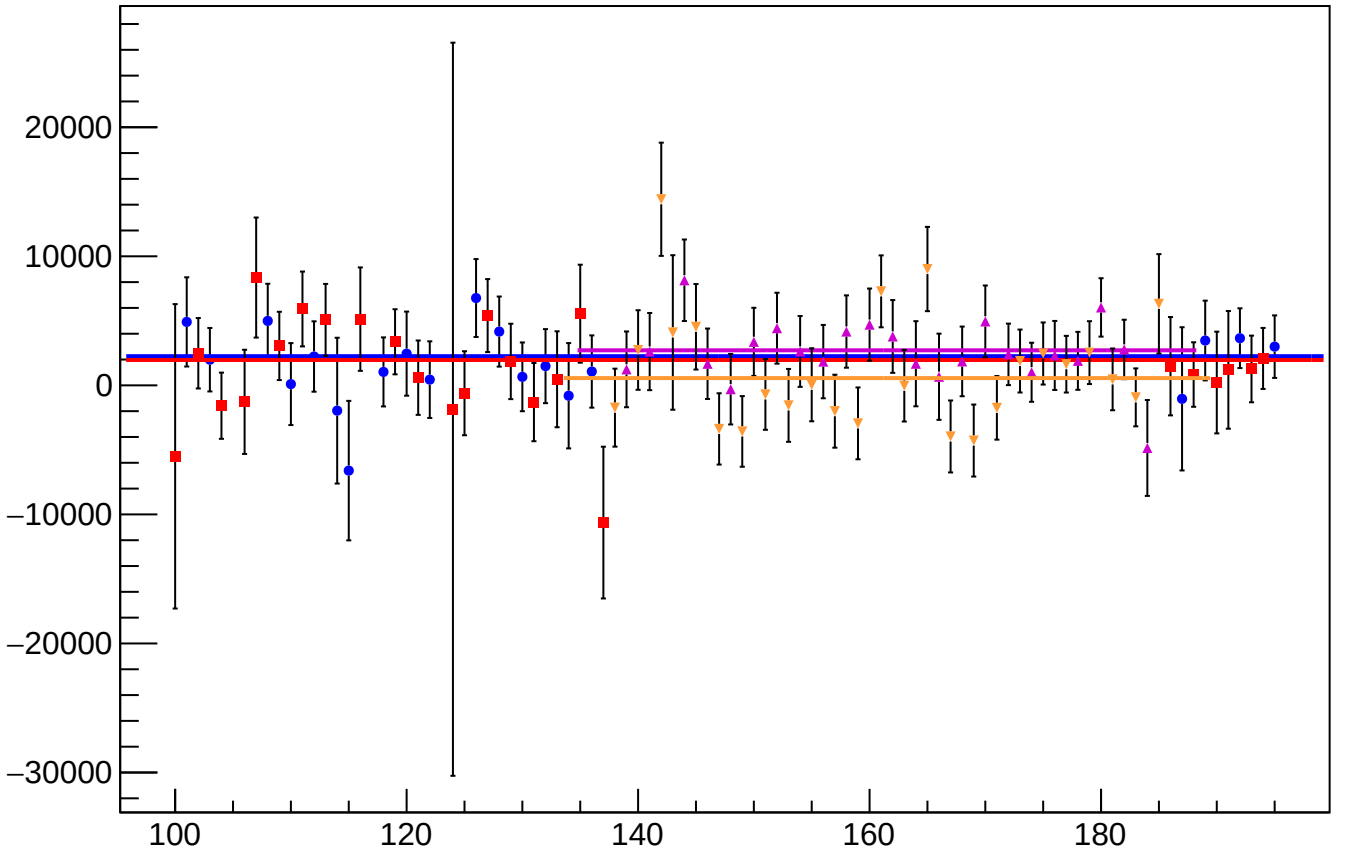
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1770.749+/-0.505 χ^2/NDF: 29176920.2/44

In: 7755.063+/-1.079 χ^2/NDF:4293904.1/42

Out: 1460.113+/-0.379 χ^2/NDF:45415996.4/49

All: 2151.691+/-0.358 χ^2/NDF: 79986999.7/9



Right In: 2260.054+/-673.302 χ^2/NDF: 10.7/19

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 1964.704+/-642.920 χ^2/NDF: 18.8/24

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

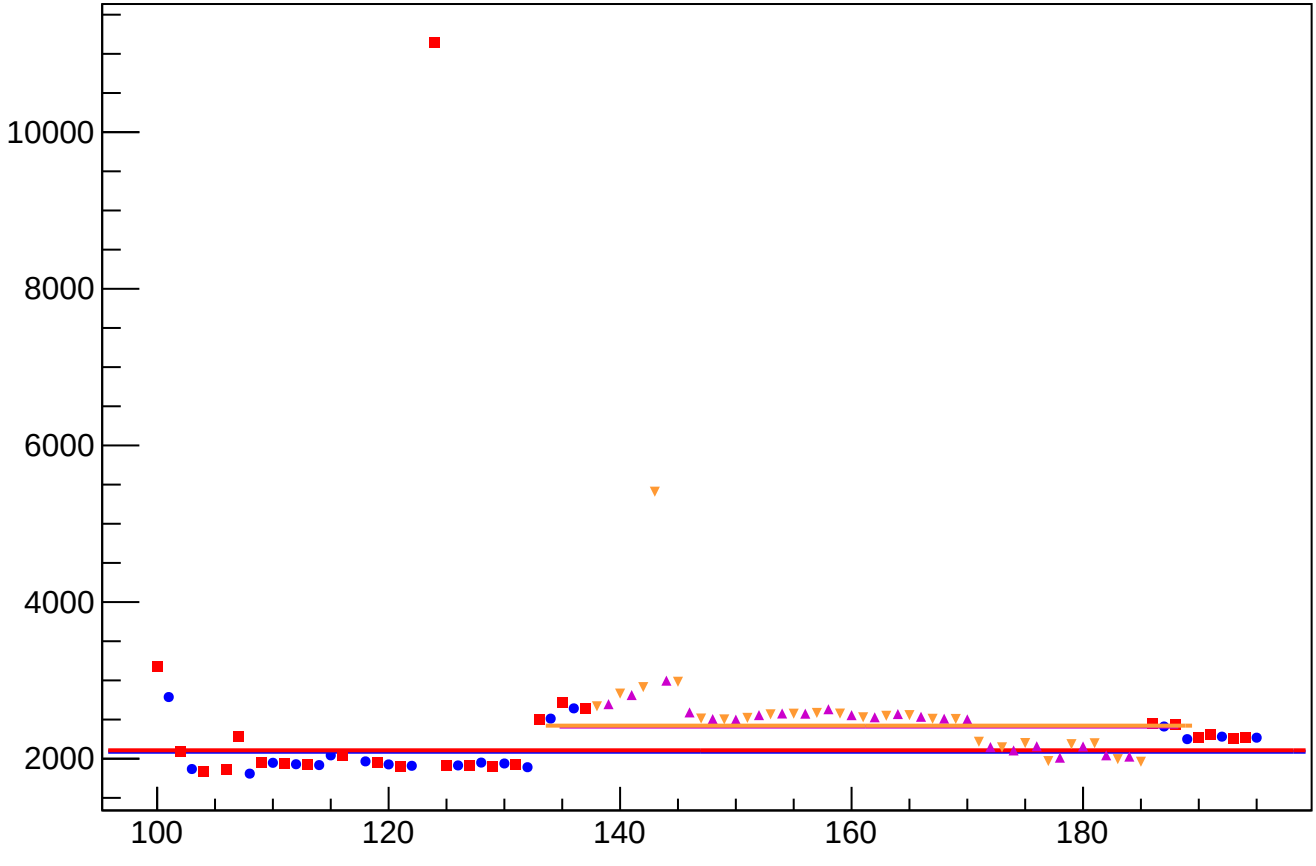
Right: 2105.565+/-464.983 χ^2/NDF: 29.5/44

In: 2527.226+/-433.344 χ^2/NDF:25.2/42

Out: 1164.037+/-421.119 χ^2/NDF:65.4/49

All: 1826.133+/-302.006 χ^2/NDF: 95.7/92

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2089.024+/-0.476 χ^2/NDF: 310302.4/19

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2107.476+/-0.455 χ^2/NDF: 492517.8/24

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

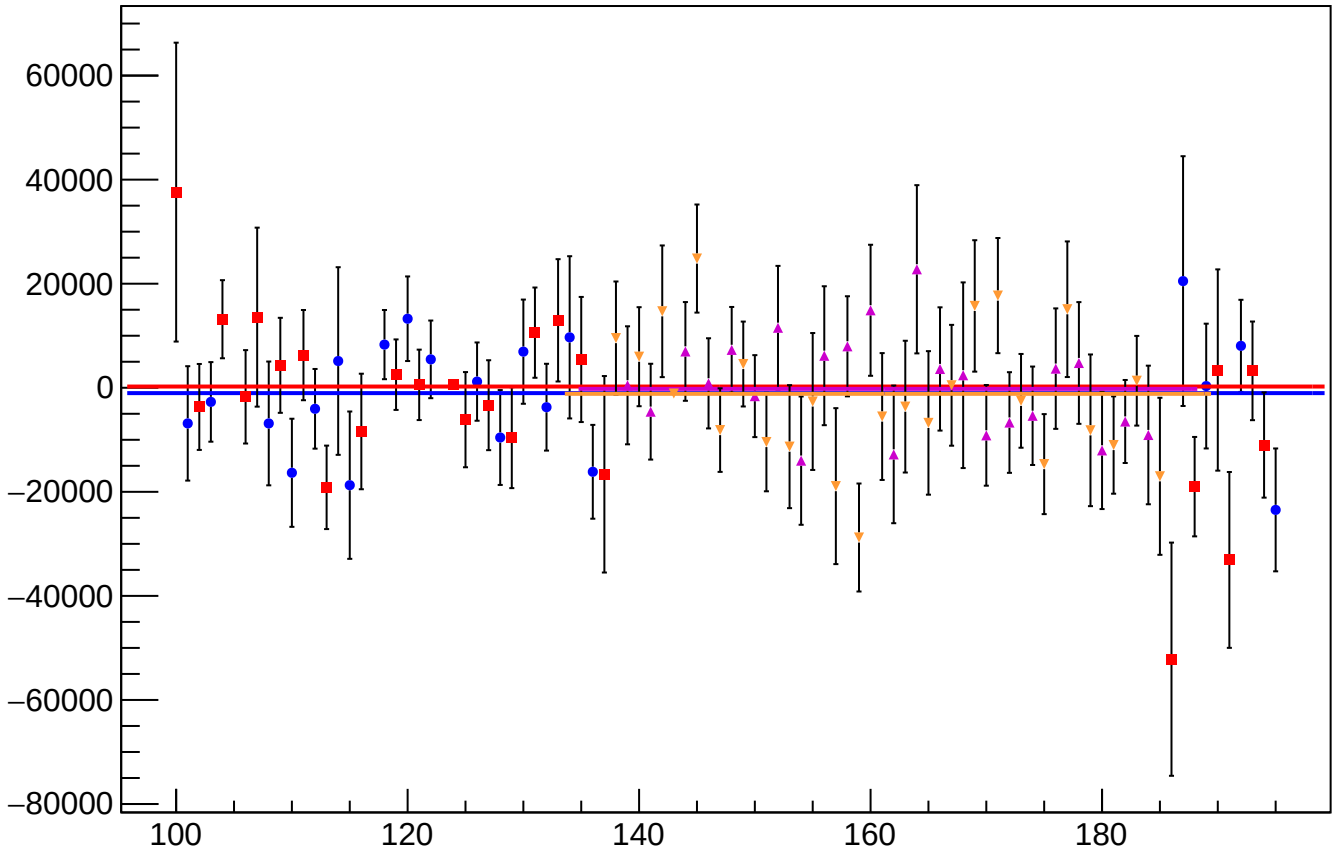
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2098.676+/-0.329 χ^2/NDF: 803605.9/44

In: 2276.935+/-0.306 χ^2/NDF:1004611.3/42

Out: 2287.144+/-0.298 χ^2/NDF:1718932.9/49

All: 2282.185+/-0.214 χ^2/NDF: 2724115.1/92



Right In: -1029.154+/-2124.107 χ^2/NDF: 20.9/19

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 235.926+/-759.039 χ^2/NDF: 33.0/24

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

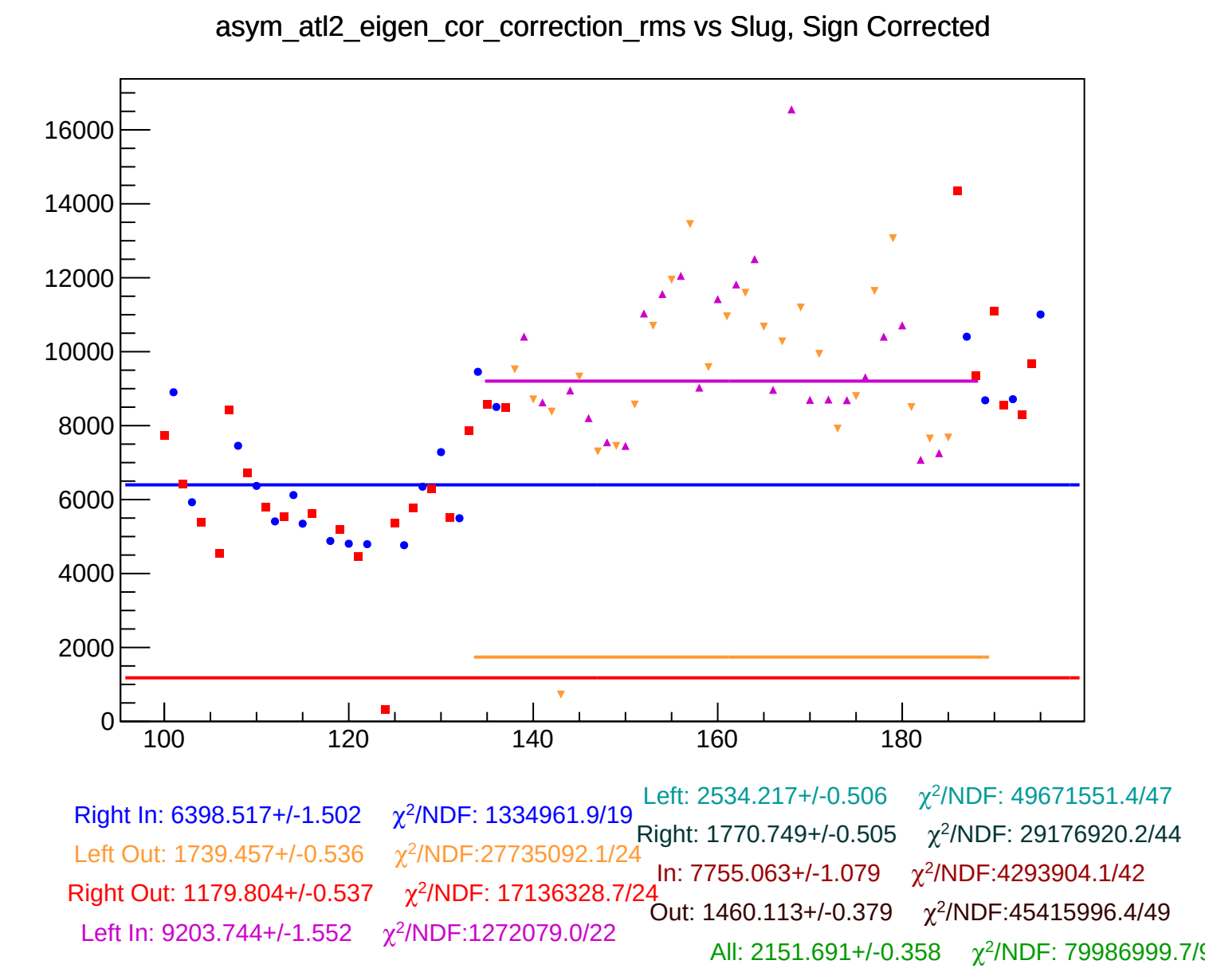
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

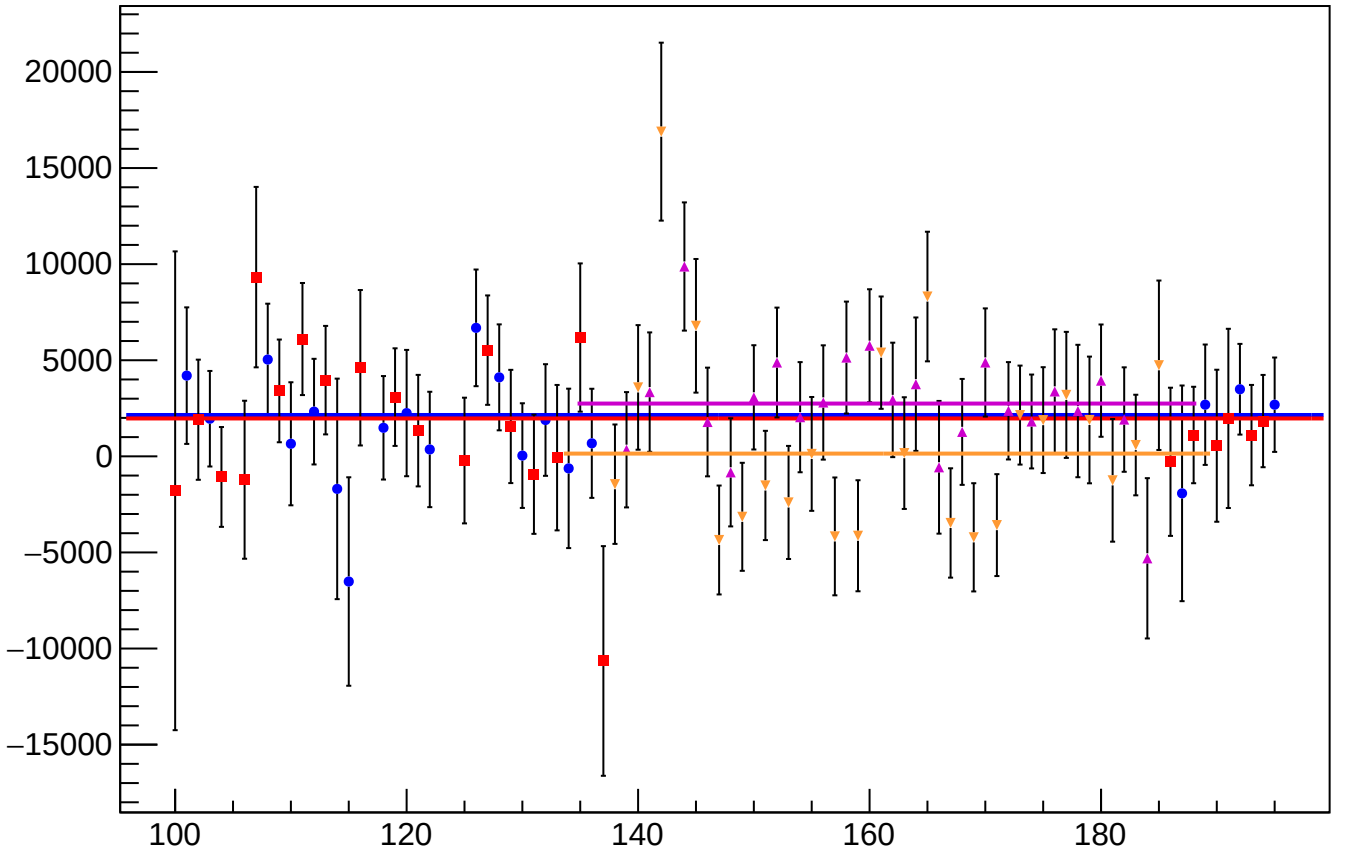
Right: 92.674+/-714.773 χ^2/NDF: 54.1/44

In: -632.788+/-1526.437 χ^2/NDF:34.3/42

Out: -462.225+/-536.259 χ^2/NDF:66.6/49

All: -480.963+/-505.945 χ^2/NDF: 100.9/92


asym_atl2_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
Right In: 6398.517+/-1.502 χ²/NDF: 1334961.9/19
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1179.804+/-0.537 χ²/NDF: 17136328.7/24
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
Left: 2534.217+/-0.506 χ²/NDF: 49671551.4/47
Right: 1770.749+/-0.505 χ²/NDF: 29176920.2/44
In: 7755.063+/-1.079 χ²/NDF:4293904.1/42
Out: 1460.113+/-0.379 χ²/NDF:45415996.4/49
All: 2151.691+/-0.358 χ²/NDF: 79986999.7/9



Right In: 2151.397+/-681.929 χ^2/NDF: 10.0/19

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 1970.818+/-654.126 χ^2/NDF: 17.5/23

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

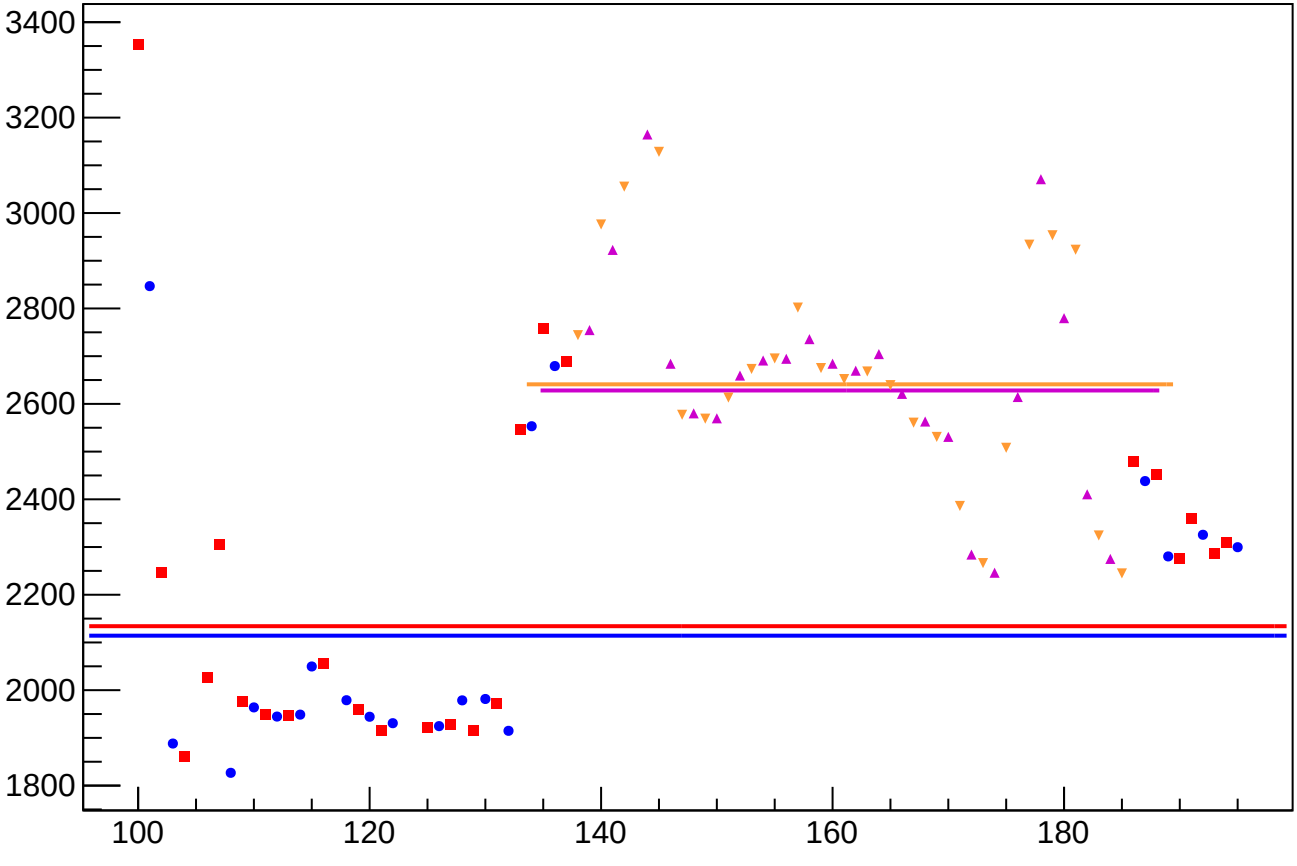
Right: 2057.351+/-472.060 χ^2/NDF: 27.5/43

In: 2478.755+/-457.164 χ^2/NDF:25.8/42

Out: 1001.427+/-448.347 χ^2/NDF:67.5/47

All: 1725.707+/-320.101 χ^2/NDF: 98.6/90

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2114.215+/-0.482 χ^2/NDF: 321237.9/19

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2134.096+/-0.462 χ^2/NDF: 294969.0/23

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

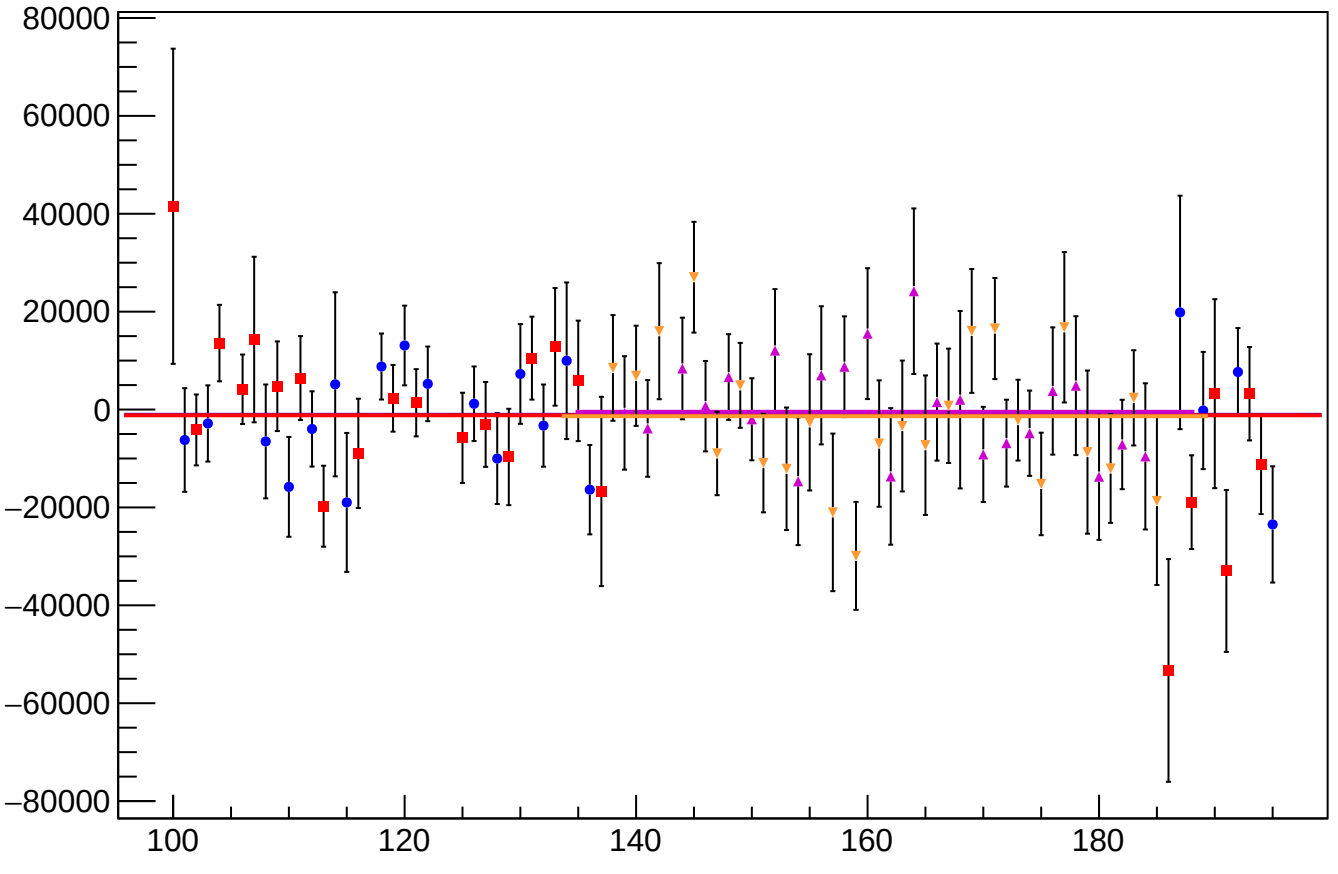
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2124.580+/-0.334 χ^2/NDF: 617093.2/43

In: 2397.150+/-0.323 χ^2/NDF:1184085.7/42

Out: 2402.581+/-0.317 χ^2/NDF:1185883.8/47

All: 2399.920+/-0.226 χ^2/NDF: 2370113.4/90



Right In: -1080.952+/-2141.032 χ^2/NDF: 20.6/19

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1165.986+/-1975.615 χ^2/NDF: 33.0/23

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

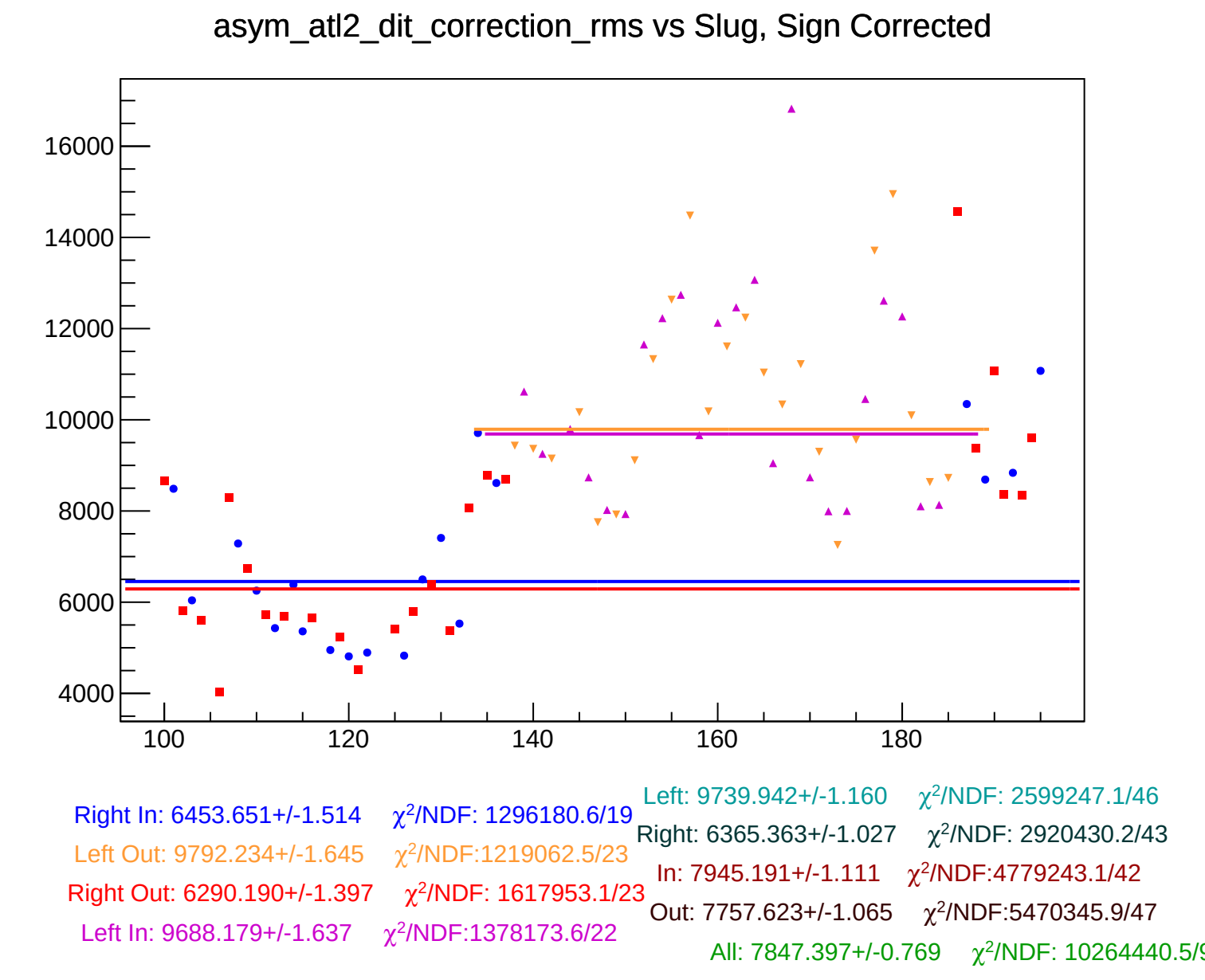
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

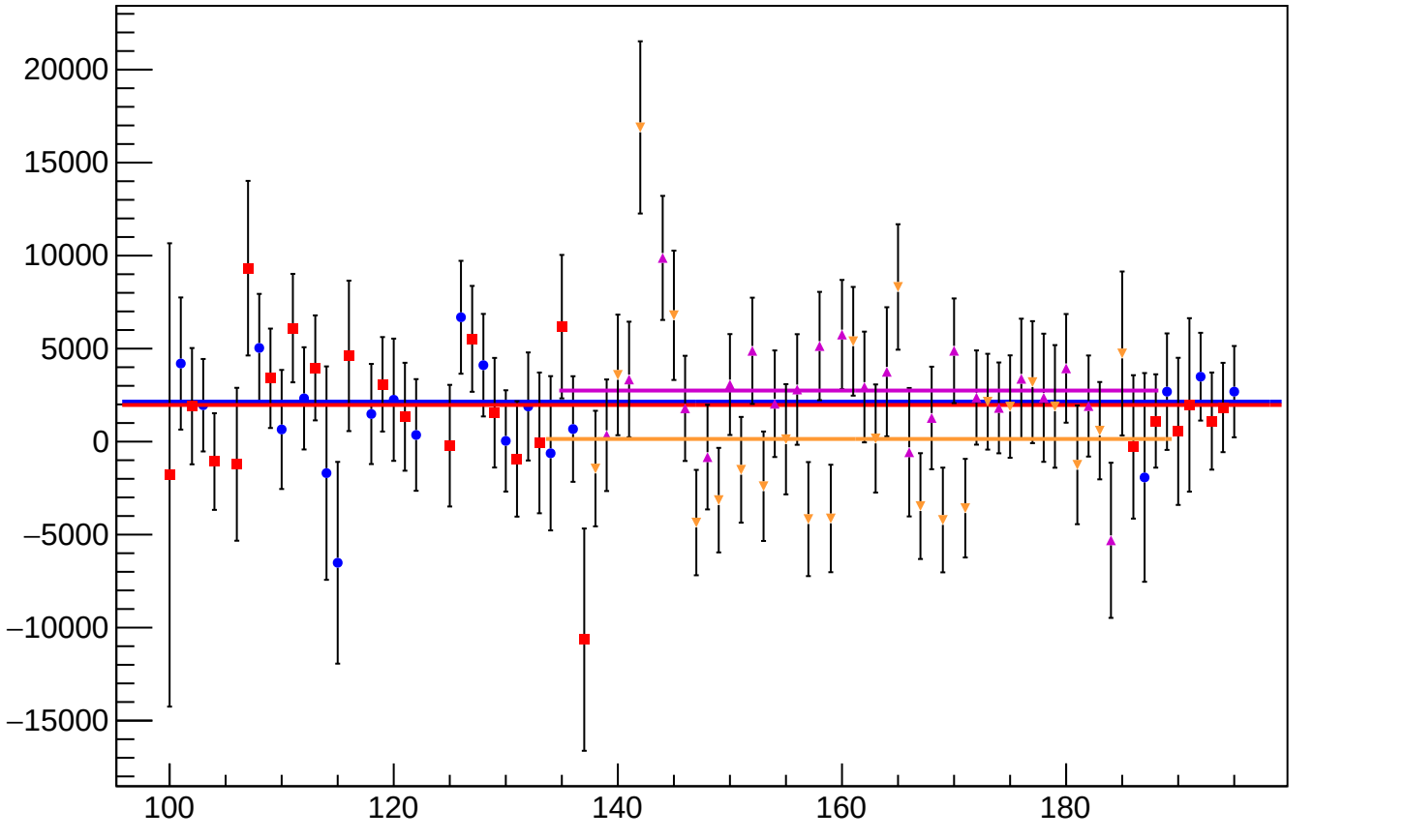
Right: -1126.880+/-1451.933 χ^2/NDF: 53.6/43

In: -796.353+/-1571.683 χ^2/NDF:33.7/42

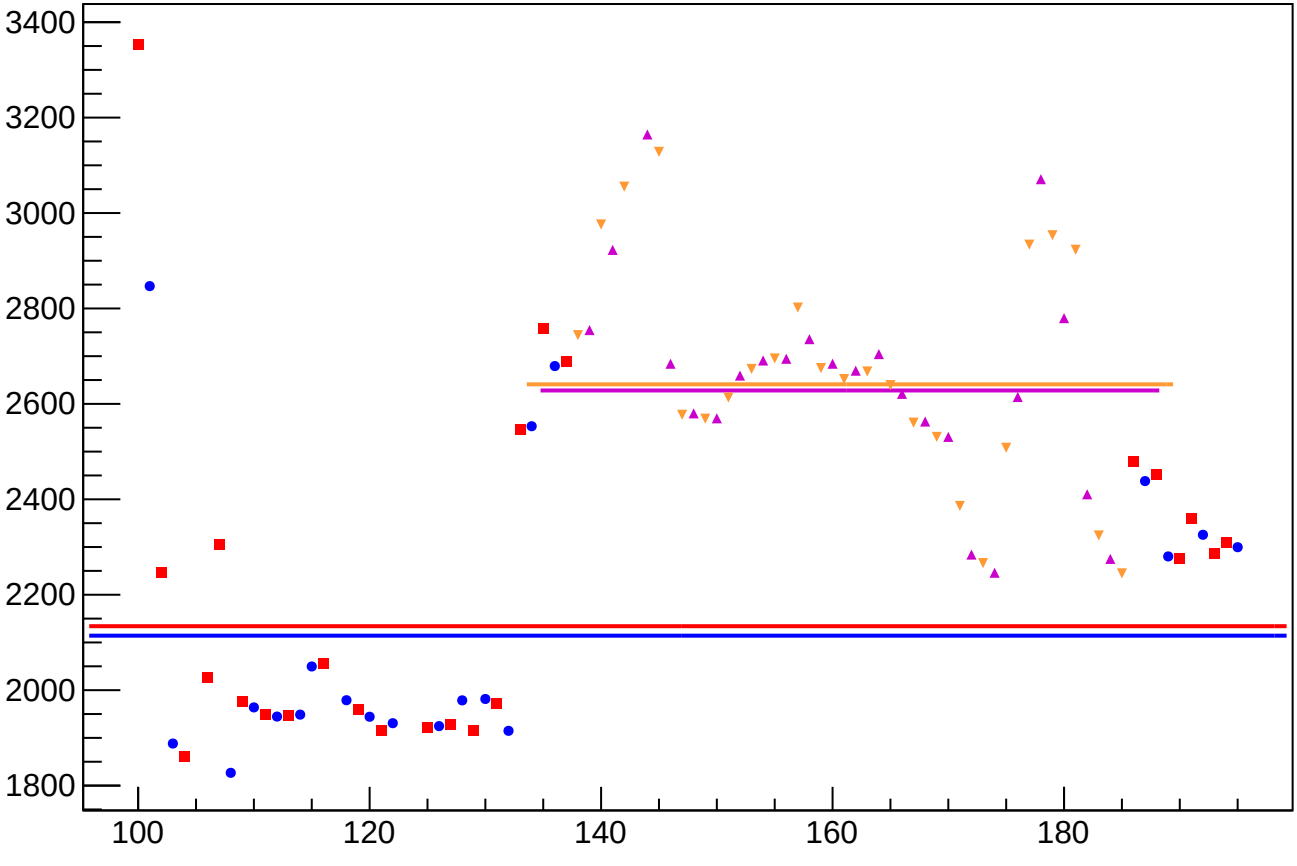
Out: -1250.148+/-1505.851 χ^2/NDF:64.2/47

All: -1032.953+/-1087.326 χ^2/NDF: 98.0/90


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
Right In: 6453.651+/-1.514 χ²/NDF: 1296180.6/19
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 6290.190+/-1.397 χ²/NDF: 1617953.1/23
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 6365.363+/-1.027 χ²/NDF: 2920430.2/43
In: 7945.191+/-1.111 χ²/NDF:4779243.1/42
Out: 7757.623+/-1.065 χ²/NDF:5470345.9/47
All: 7847.397+/-0.769 χ²/NDF: 10264440.5/9


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 2151.395+/-681.929 χ²/NDF: 10.0/19
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 1970.820+/-654.126 χ²/NDF: 17.5/23
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2057.352+/-472.060 χ²/NDF: 27.5/43
In: 2478.753+/-457.164 χ²/NDF:25.8/42
Out: 1001.424+/-448.347 χ²/NDF:67.5/47
All: 1725.705+/-320.101 χ²/NDF: 98.6/90

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2114.215+/-0.482 χ^2/NDF: 321237.7/19

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2134.096+/-0.462 χ^2/NDF: 294969.1/23

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

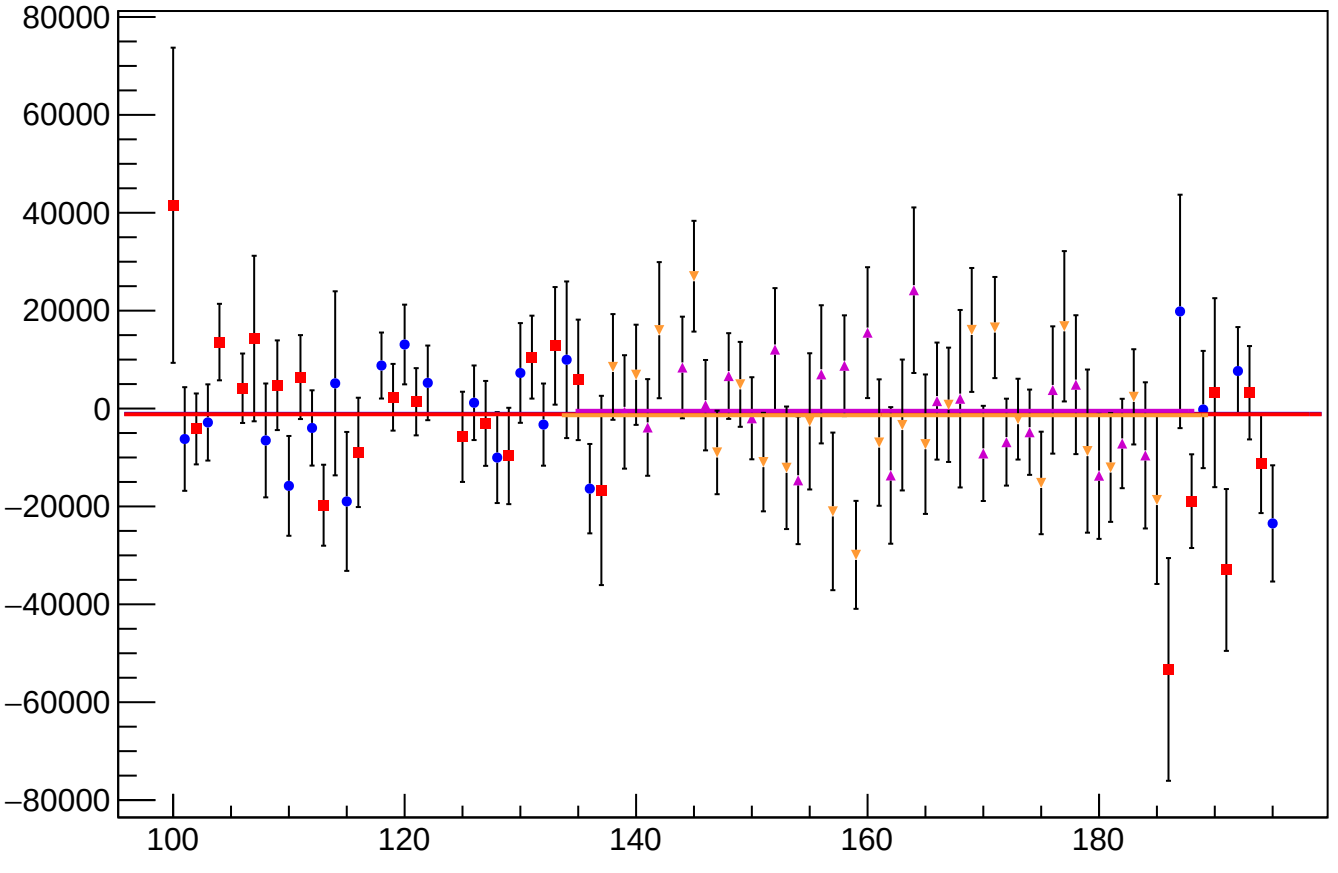
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2124.580+/-0.334 χ^2/NDF: 617093.1/43

In: 2397.151+/-0.323 χ^2/NDF:1184099.5/42

Out: 2402.582+/-0.317 χ^2/NDF:1185898.9/47

All: 2399.921+/-0.226 χ^2/NDF: 2370142.3/90



Right In: -1080.940+/-2141.027 χ^2/NDF: 20.6/19

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1165.973+/-1975.611 χ^2/NDF: 33.0/23

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

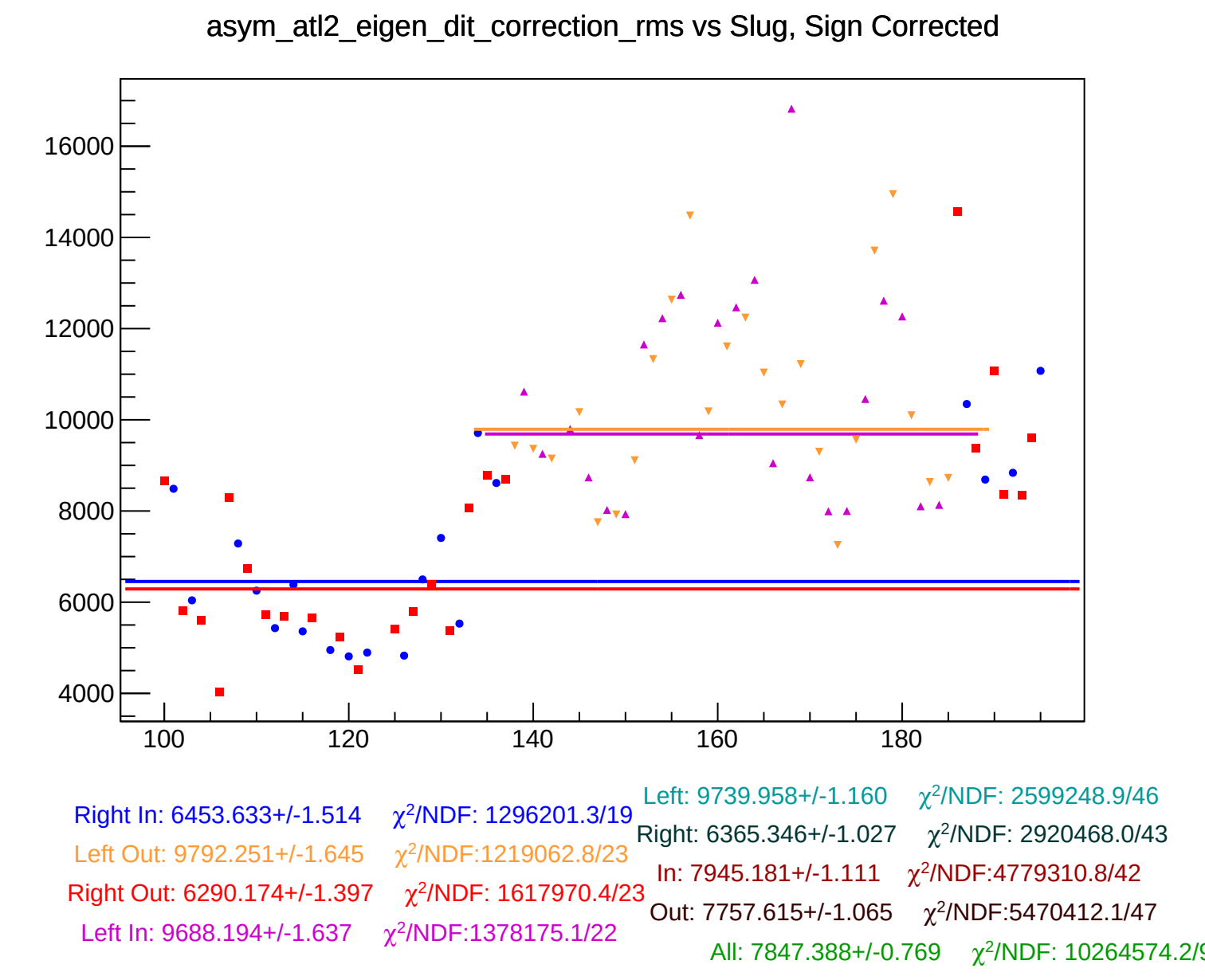
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -1126.868+/-1451.930 χ^2/NDF: 53.6/43

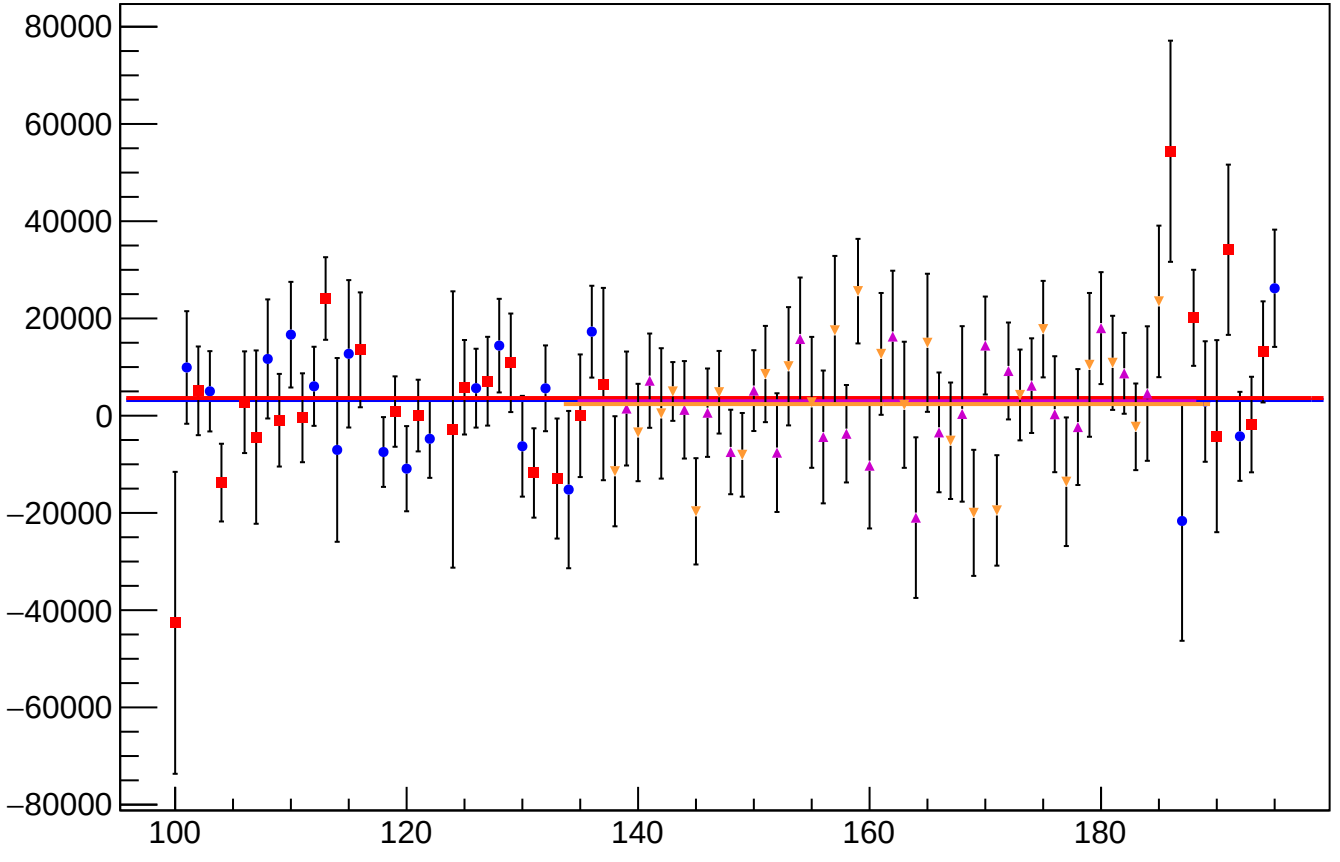
In: -796.348+/-1571.682 χ^2/NDF:33.7/42

Out: -1250.144+/-1505.851 χ^2/NDF:64.2/47

All: -1032.949+/-1087.326 χ^2/NDF: 98.0/90


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
Right In: 6453.633+/-1.514 χ²/NDF: 1296201.3/19
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6290.174+/-1.397 χ²/NDF: 1617970.4/23
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6365.346+/-1.027 χ²/NDF: 2920468.0/43
In: 7945.181+/-1.111 χ²/NDF:4779310.8/42
Out: 7757.615+/-1.065 χ²/NDF:5470412.1/47
All: 7847.388+/-0.769 χ²/NDF: 10264574.2/9

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3221.935+/-2249.478 χ^2/NDF: 20.2/19

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 3629.628+/-2127.702 χ^2/NDF: 32.1/24

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

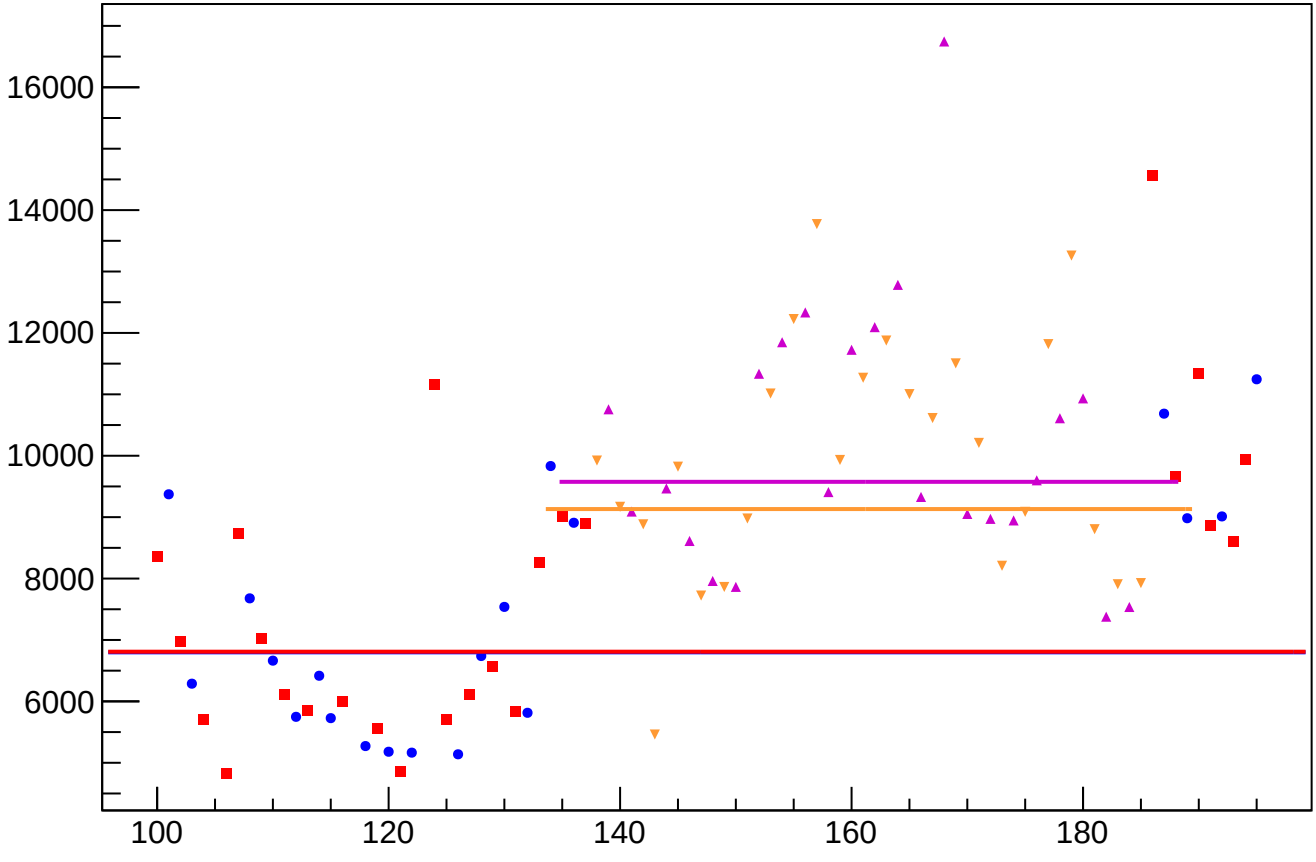
Right: 3437.115+/-1545.771 χ^2/NDF: 52.3/44

In: 3094.416+/-1600.931 χ^2/NDF:33.2/42

Out: 3011.313+/-1507.624 χ^2/NDF:62.0/49

All: 3050.373+/-1097.556 χ^2/NDF: 95.2/92

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6798.603+/-1.591 χ^2/NDF: 1192543.2/19

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6808.961+/-1.505 χ^2/NDF: 1384773.9/24

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

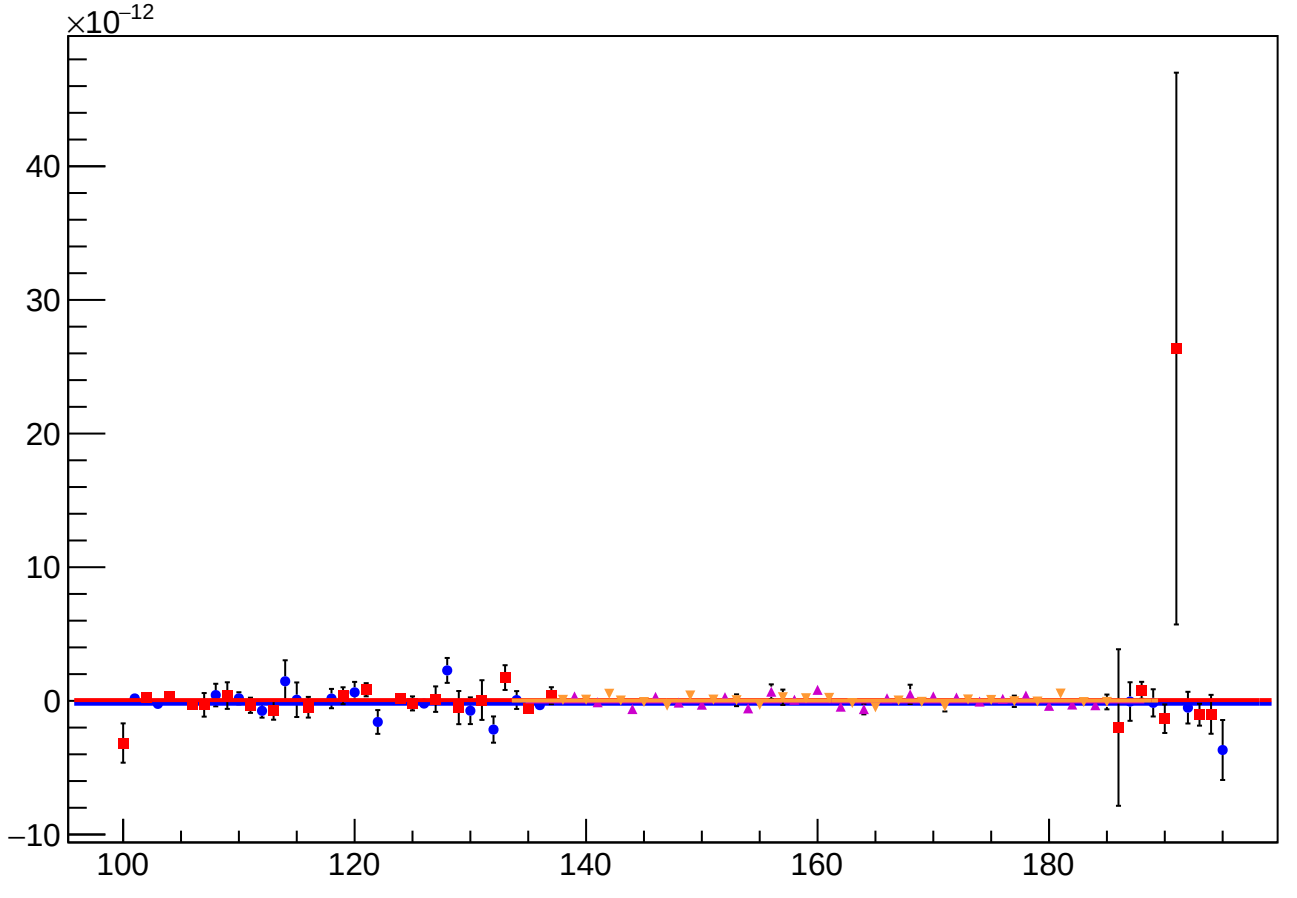
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 6804.070+/-1.093 χ^2/NDF: 2577339.5/44

In: 8168.860+/-1.132 χ^2/NDF:3850137.9/42

Out: 7965.526+/-1.066 χ^2/NDF:4383251.8/49

All: 8061.095+/-0.776 χ^2/NDF: 8250488.5/92



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/24

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

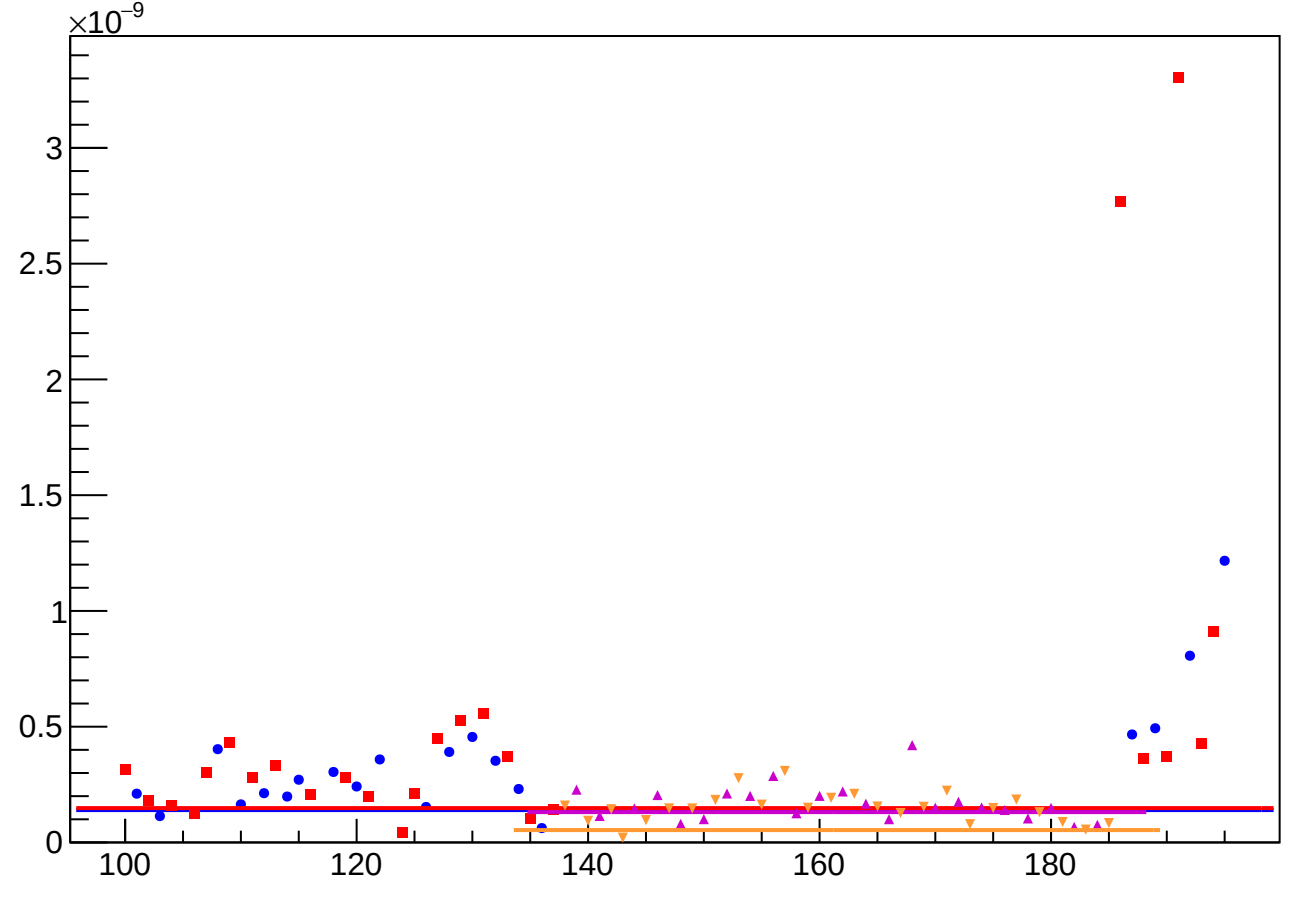
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 55.5/44

In: -0.000+/-0.000 χ^2/NDF:62.5/42

Out: 0.000+/-0.000 χ^2/NDF:46.0/49

All: -0.000+/-0.000 χ^2/NDF: 113.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 3182447.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3894797.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

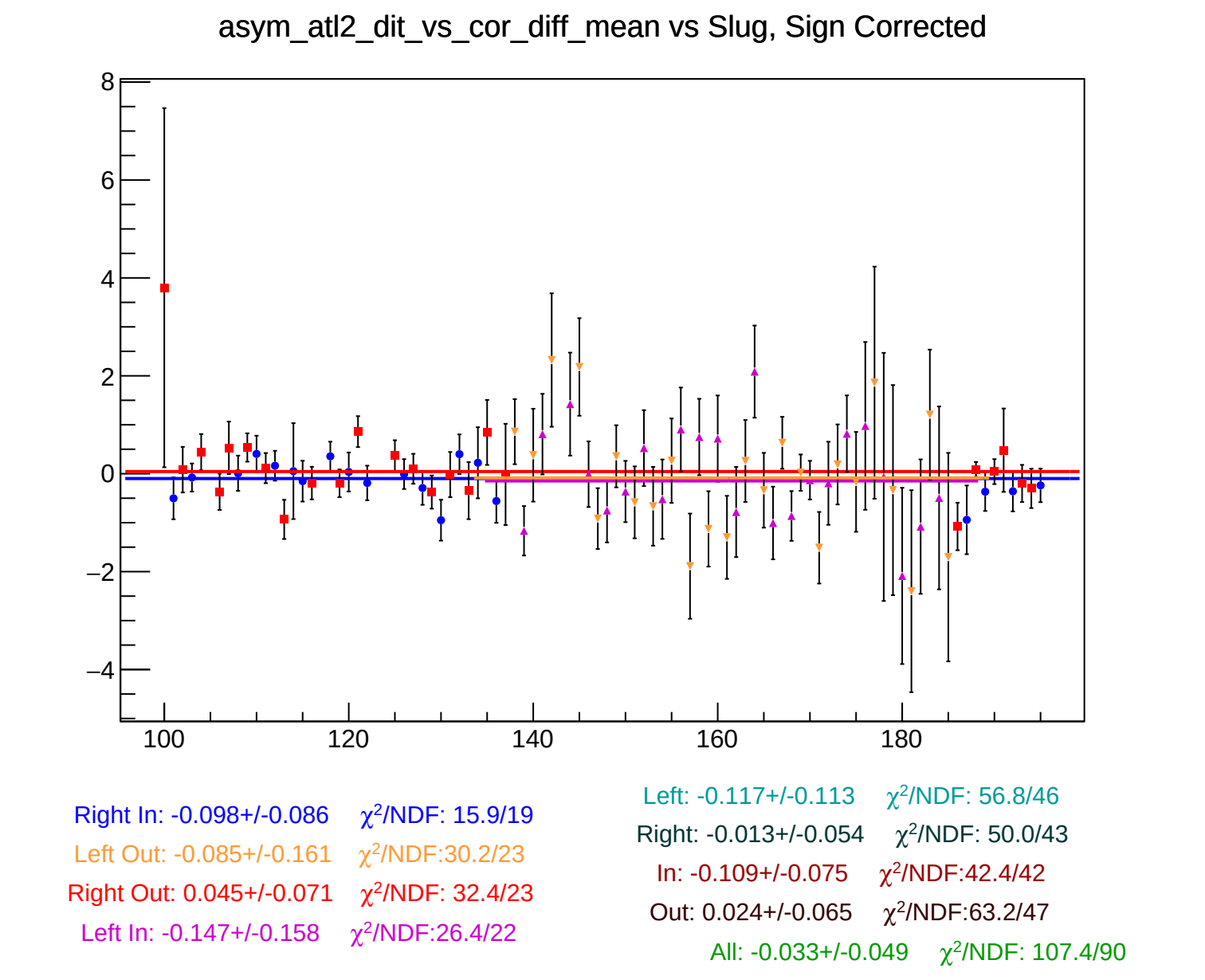
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7085668.6/44

In: 0.000+/-0.000 χ^2/NDF:5099483.9/42

Out: 0.000+/-0.000 χ^2/NDF:13014680.7/49

All: 0.000+/-0.000 χ^2/NDF: 21447288.0/92


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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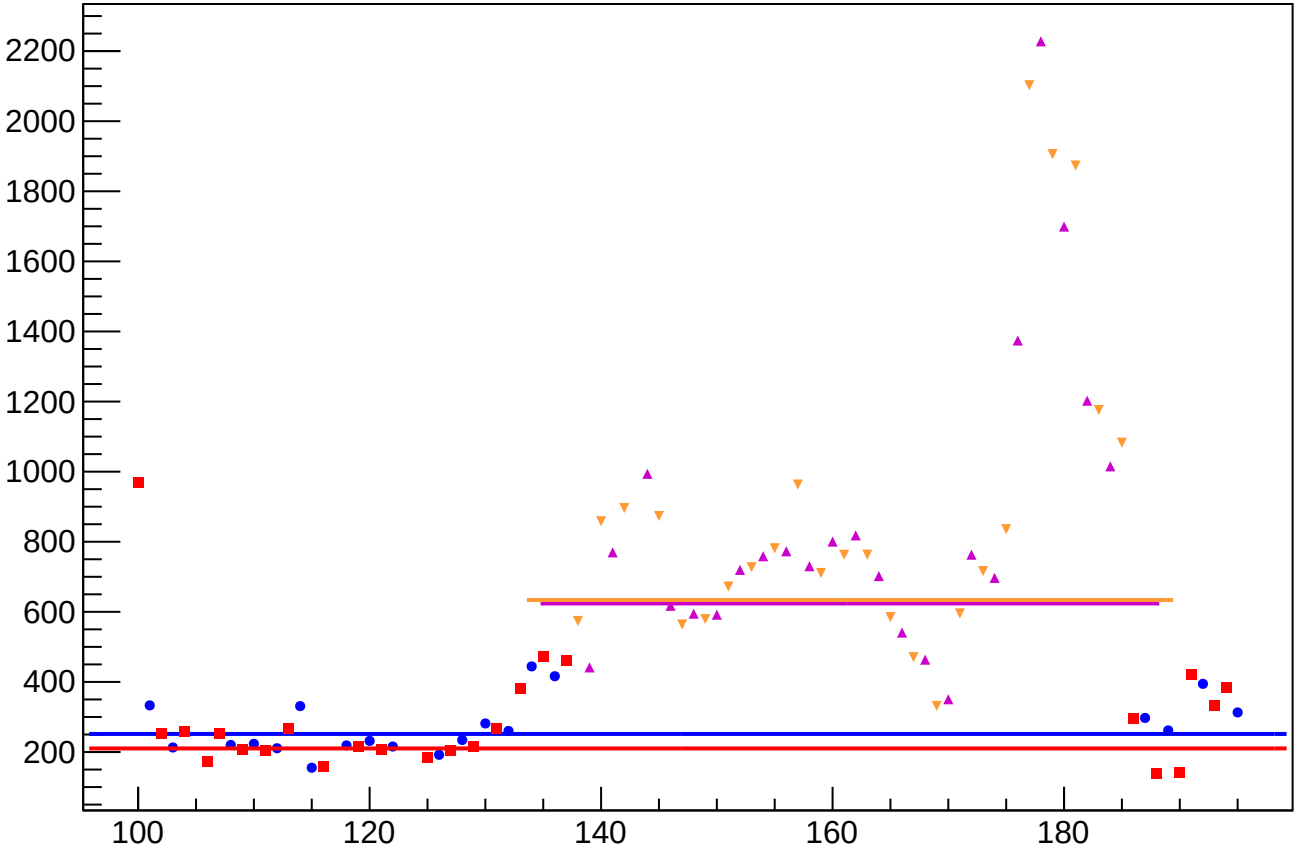
Right In: -0.098+/-0.086 χ²/NDF: 15.9/19
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.045+/-0.071 χ²/NDF: 32.4/23
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.013+/-0.054 χ²/NDF: 50.0/43
In: -0.109+/-0.075 χ²/NDF:42.4/42
Out: 0.024+/-0.065 χ²/NDF:63.2/47
All: -0.033+/-0.049 χ²/NDF: 107.4/90

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 251.582+/-0.061 χ^2/NDF: 1163606.9/19

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 210.247+/-0.050 χ^2/NDF: 2262783.7/23

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

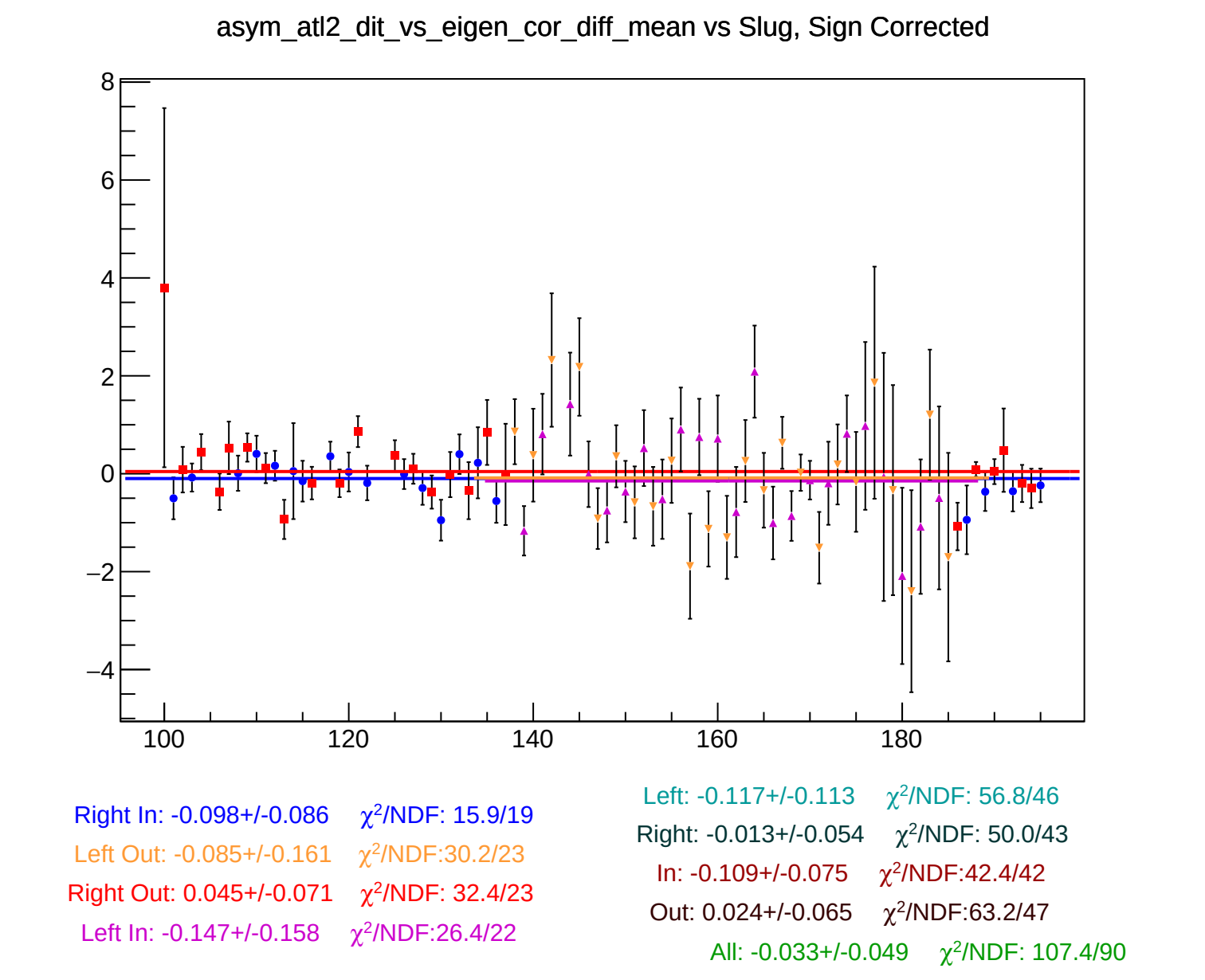
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 226.981+/-0.039 χ^2/NDF: 3704113.7/43

In: 335.854+/-0.053 χ^2/NDF:14274871.3/42

Out: 278.195+/-0.046 χ^2/NDF:18808588.4/47

All: 302.682+/-0.035 χ^2/NDF: 33758670.9/90


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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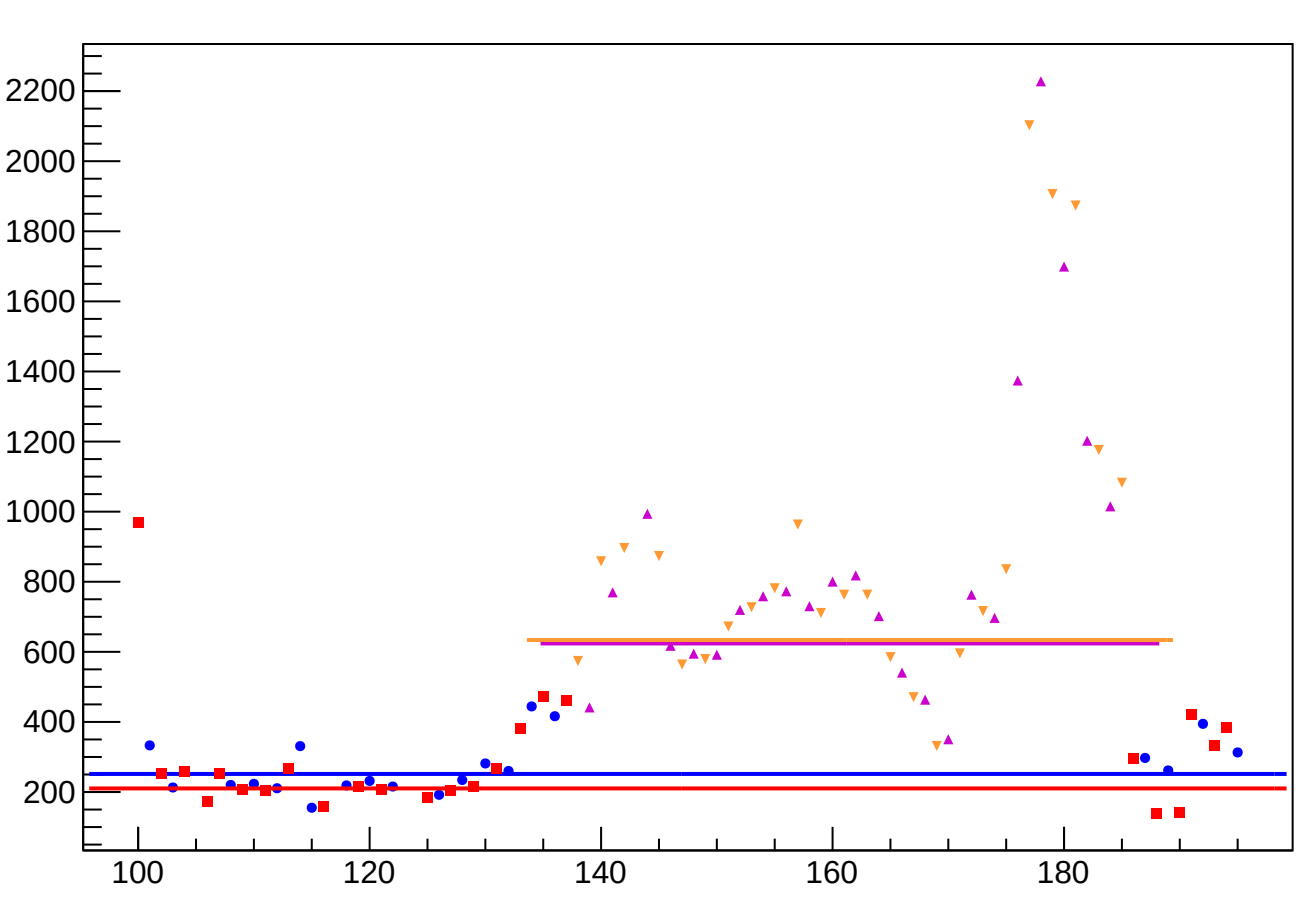
Right In: -0.098+/-0.086 χ²/NDF: 15.9/19
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.045+/-0.071 χ²/NDF: 32.4/23
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.013+/-0.054 χ²/NDF: 50.0/43
In: -0.109+/-0.075 χ²/NDF:42.4/42
Out: 0.024+/-0.065 χ²/NDF:63.2/47
All: -0.033+/-0.049 χ²/NDF: 107.4/90



Right In: 251.582+/-0.061 χ^2/NDF: 1163606.9/19

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 210.247+/-0.050 χ^2/NDF: 2262783.7/23

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

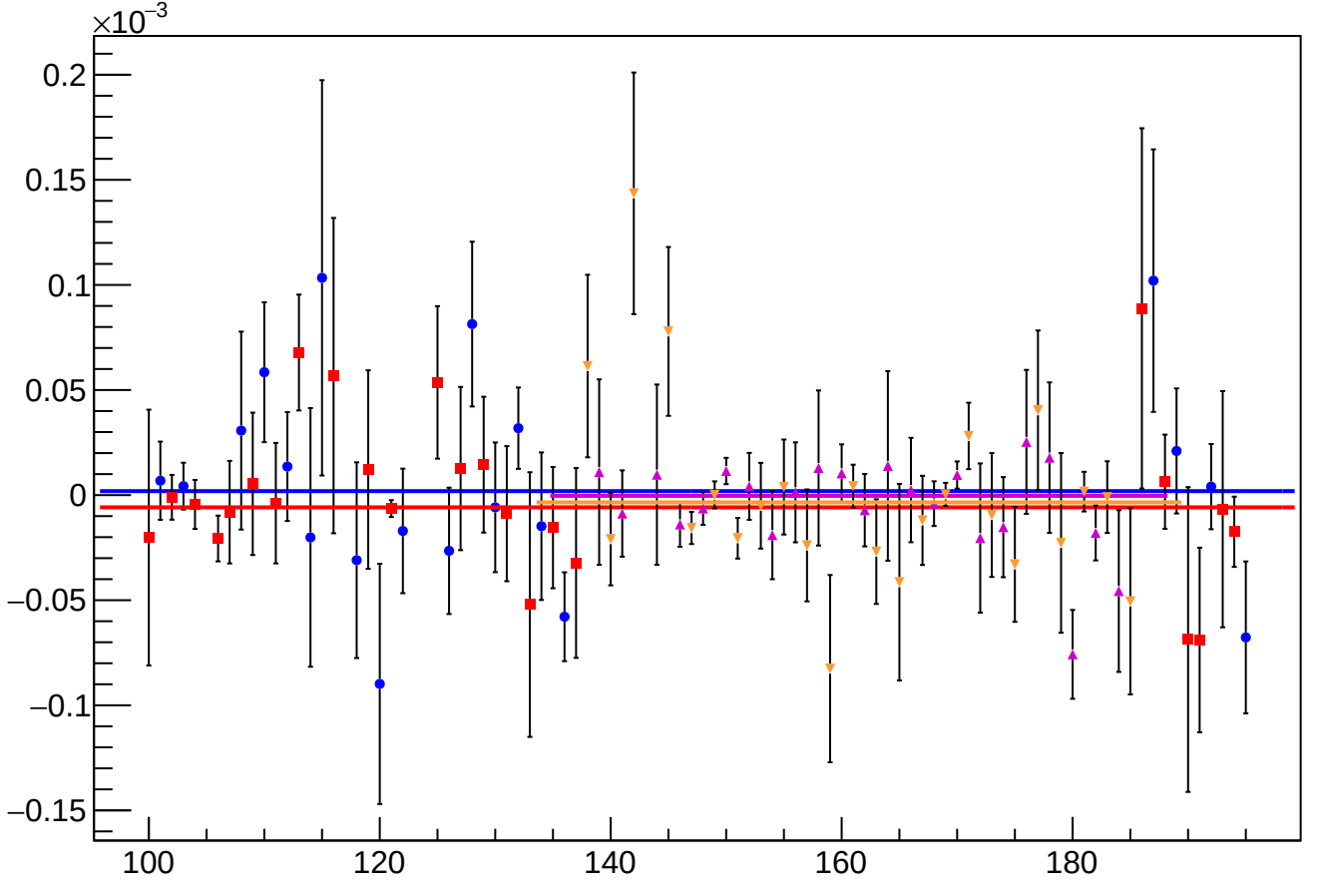
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 226.981+/-0.039 χ^2/NDF: 3704113.7/43

In: 335.854+/-0.053 χ^2/NDF:14274871.3/42

Out: 278.195+/-0.046 χ^2/NDF:18808588.4/47

All: 302.682+/-0.035 χ^2/NDF: 33758670.9/90



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/23

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

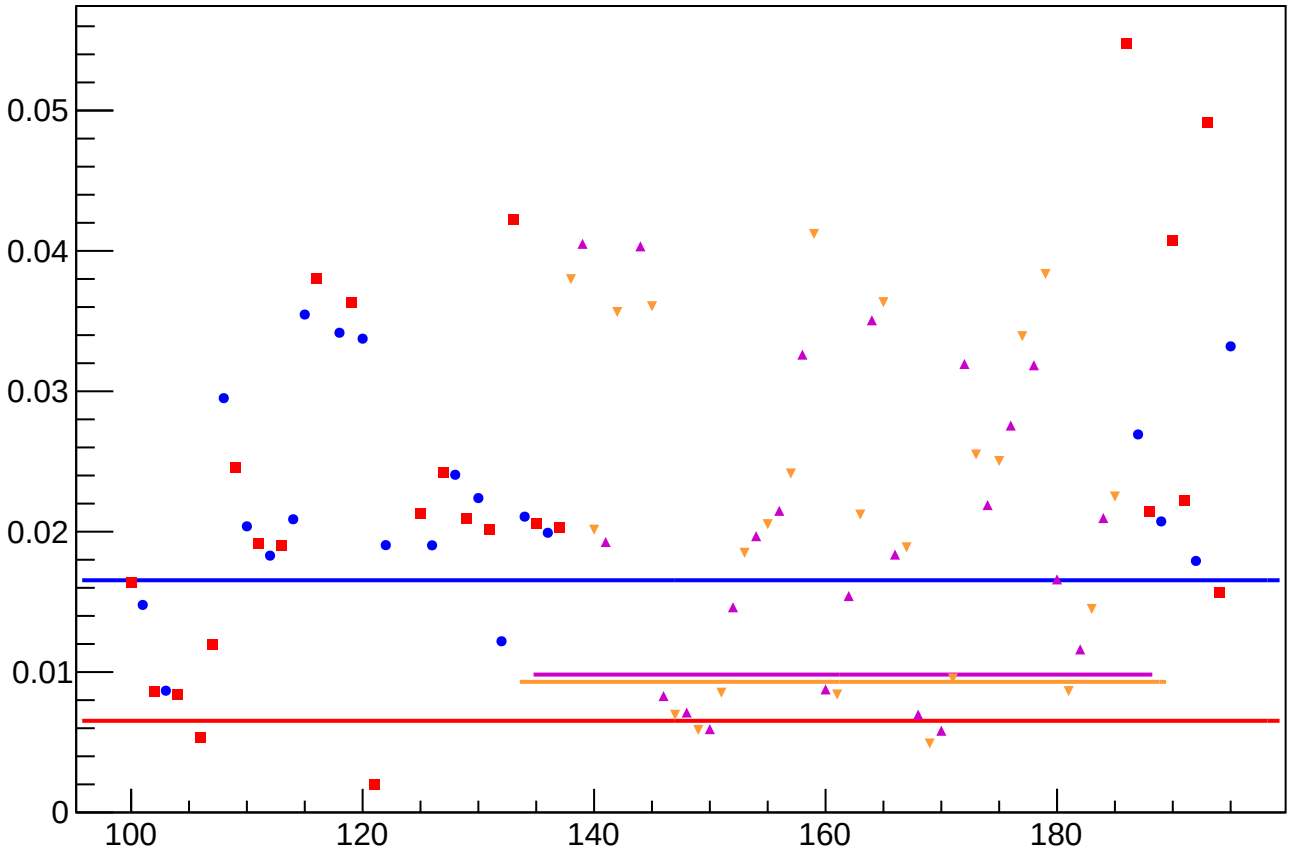
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 51.5/43

In: 0.000+/-0.000 χ^2/NDF:58.8/42

Out: -0.000+/-0.000 χ^2/NDF:54.0/47

All: -0.000+/-0.000 χ^2/NDF: 114.6/90



Right In: 0.017+/-0.000 χ^2/NDF: 2648688.2/19

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 12114505.4/23

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

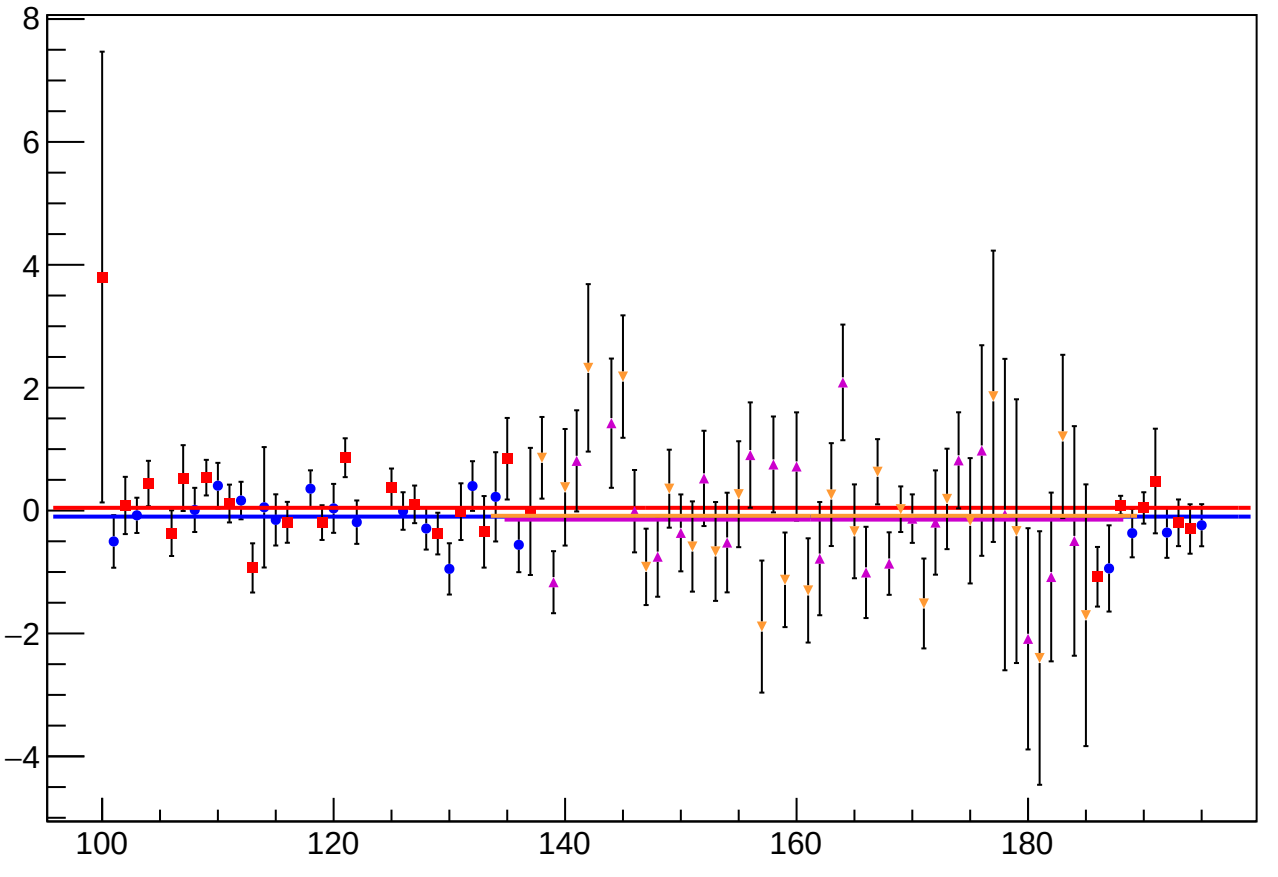
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.009+/-0.000 χ^2/NDF: 19335940.2/43

In: 0.011+/-0.000 χ^2/NDF:15072941.0/42

Out: 0.008+/-0.000 χ^2/NDF:25237679.0/47

All: 0.009+/-0.000 χ^2/NDF: 42022984.7/90



Right In: -0.098+/-0.086 χ^2/NDF: 15.9/19

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.045+/-0.071 χ^2/NDF: 32.4/23

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

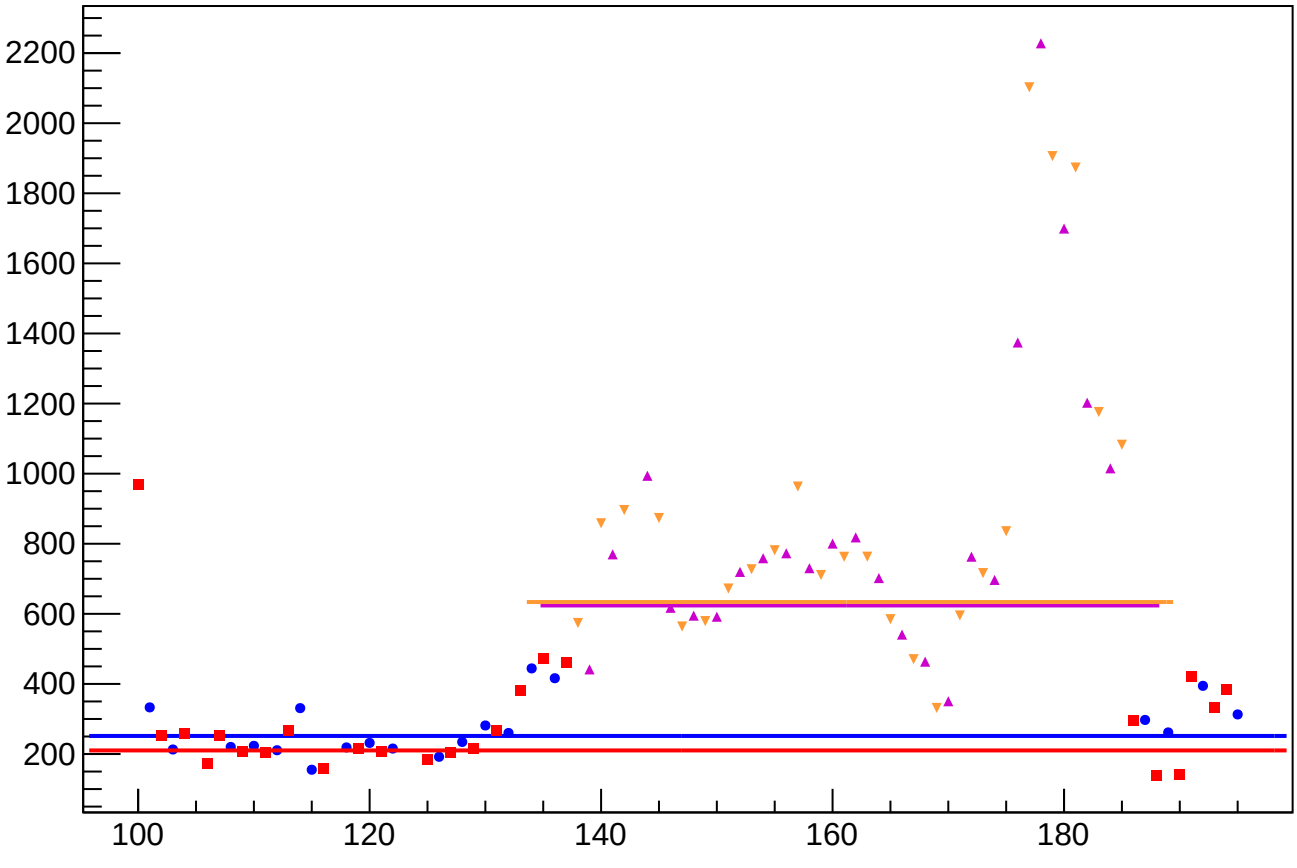
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: -0.013+/-0.054 χ^2/NDF: 50.0/43

In: -0.109+/-0.075 χ^2/NDF:42.4/42

Out: 0.024+/-0.065 χ^2/NDF:63.2/47

All: -0.033+/-0.049 χ^2/NDF: 107.4/90


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
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160
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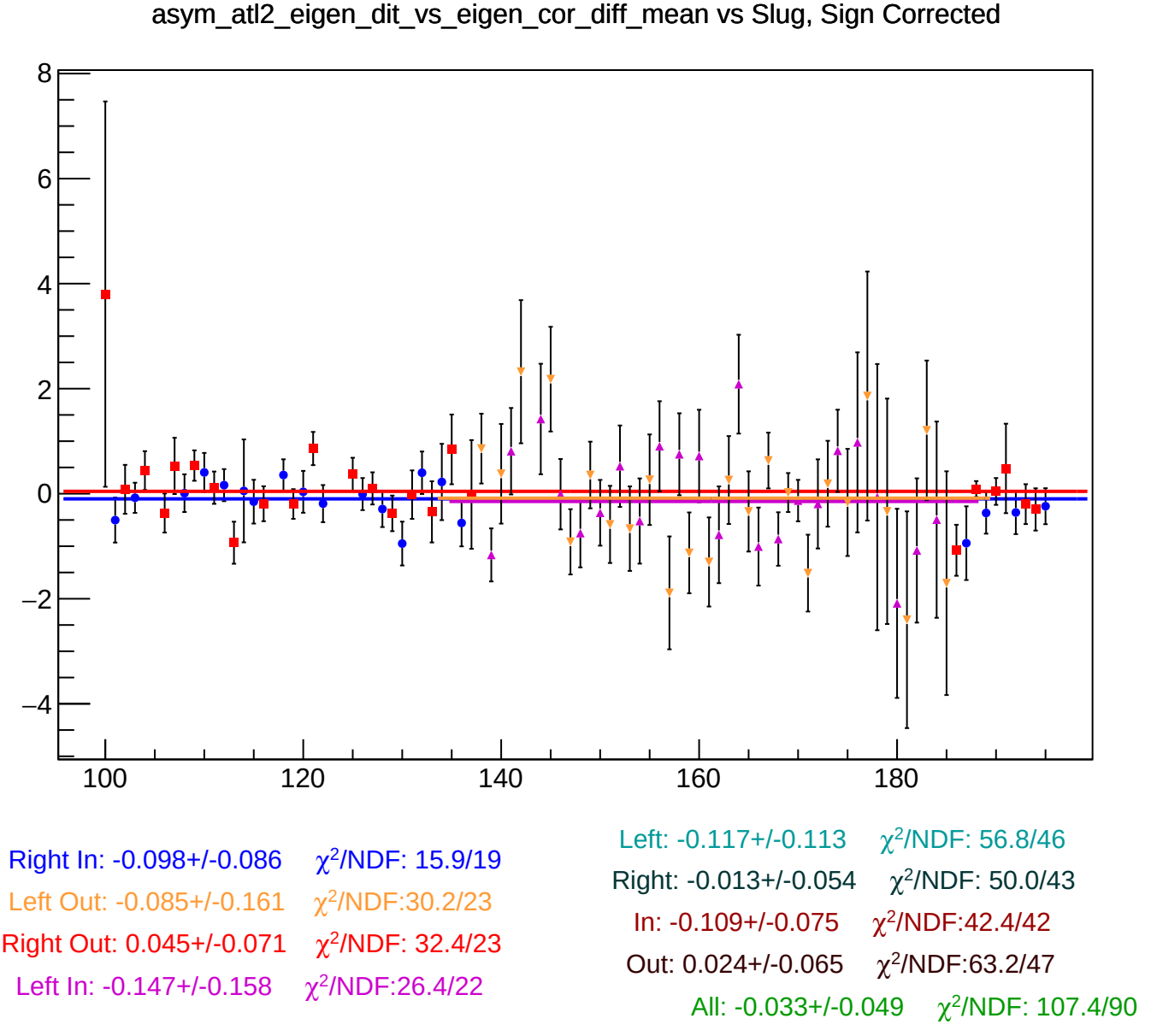
Right In: 251.582+/-0.061 χ²/NDF: 1163556.0/19
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 210.244+/-0.050 χ²/NDF: 2262847.4/23
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 226.980+/-0.039 χ²/NDF: 3704173.1/43
In: 335.855+/-0.053 χ²/NDF:14274908.3/42
Out: 278.192+/-0.046 χ²/NDF:18808960.5/47
All: 302.680+/-0.035 χ²/NDF: 33759184.5/90


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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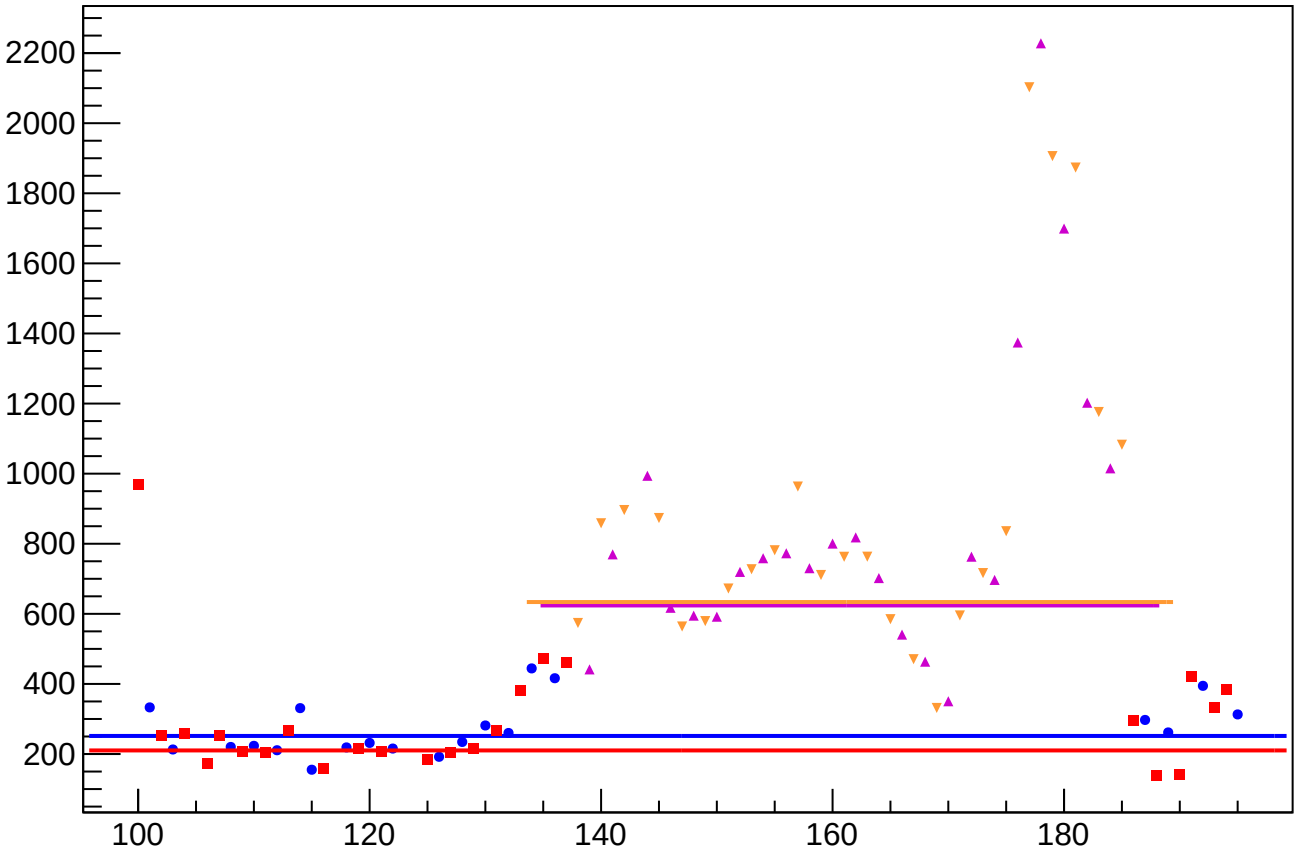
Right In: -0.098+/-0.086 χ²/NDF: 15.9/19
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.045+/-0.071 χ²/NDF: 32.4/23
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.013+/-0.054 χ²/NDF: 50.0/43
In: -0.109+/-0.075 χ²/NDF:42.4/42
Out: 0.024+/-0.065 χ²/NDF:63.2/47
All: -0.033+/-0.049 χ²/NDF: 107.4/90


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
2200
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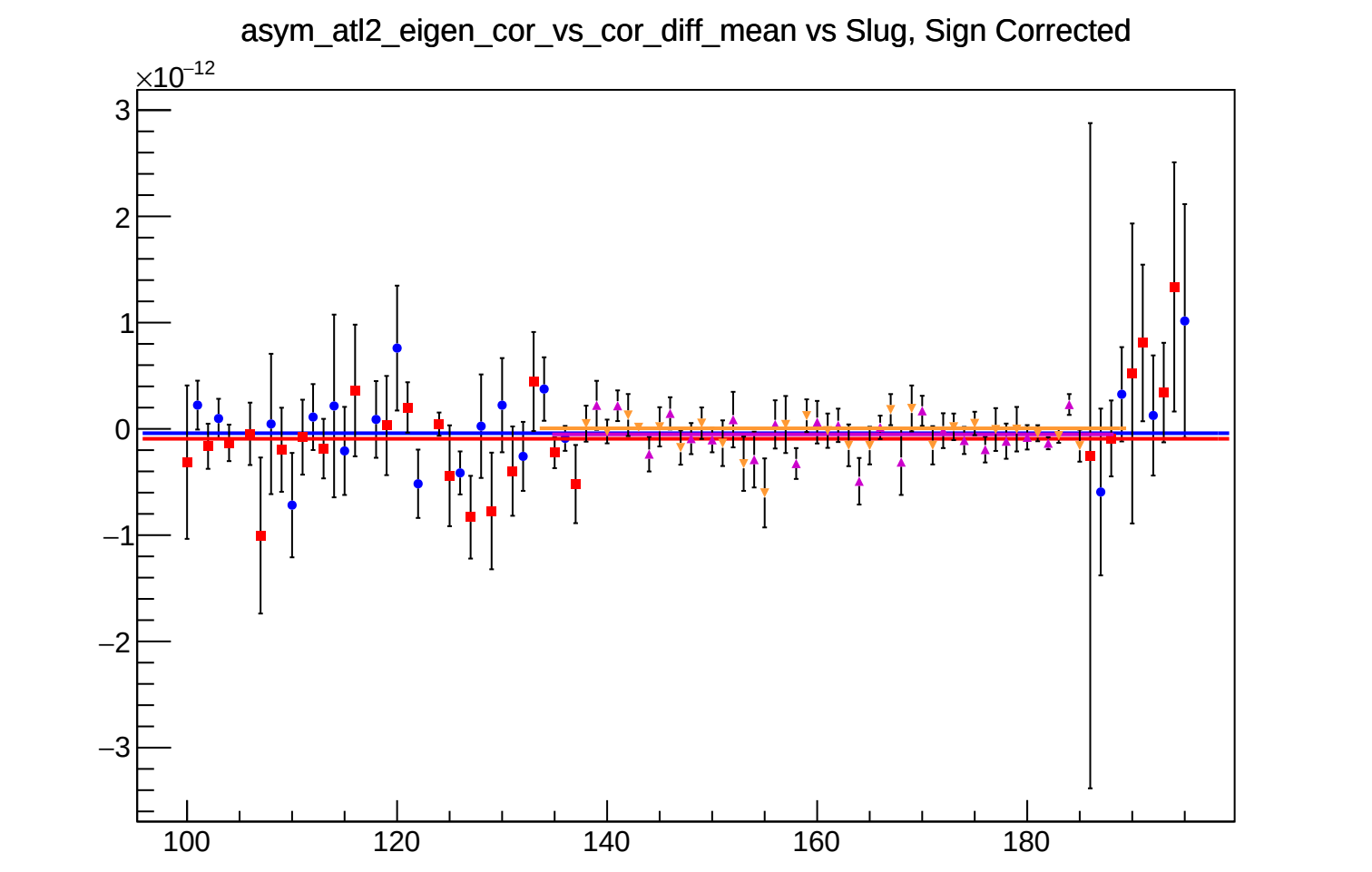
Right In: 251.582+/-0.061 χ²/NDF: 1163556.0/19
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 210.244+/-0.050 χ²/NDF: 2262847.4/23
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 226.980+/-0.039 χ²/NDF: 3704173.1/43
In: 335.855+/-0.053 χ²/NDF:14274908.3/42
Out: 278.192+/-0.046 χ²/NDF:18808960.5/47
All: 302.680+/-0.035 χ²/NDF: 33759184.5/90



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/24

Left In: -0.000+/-0.000 χ^2/NDF:33.4/22

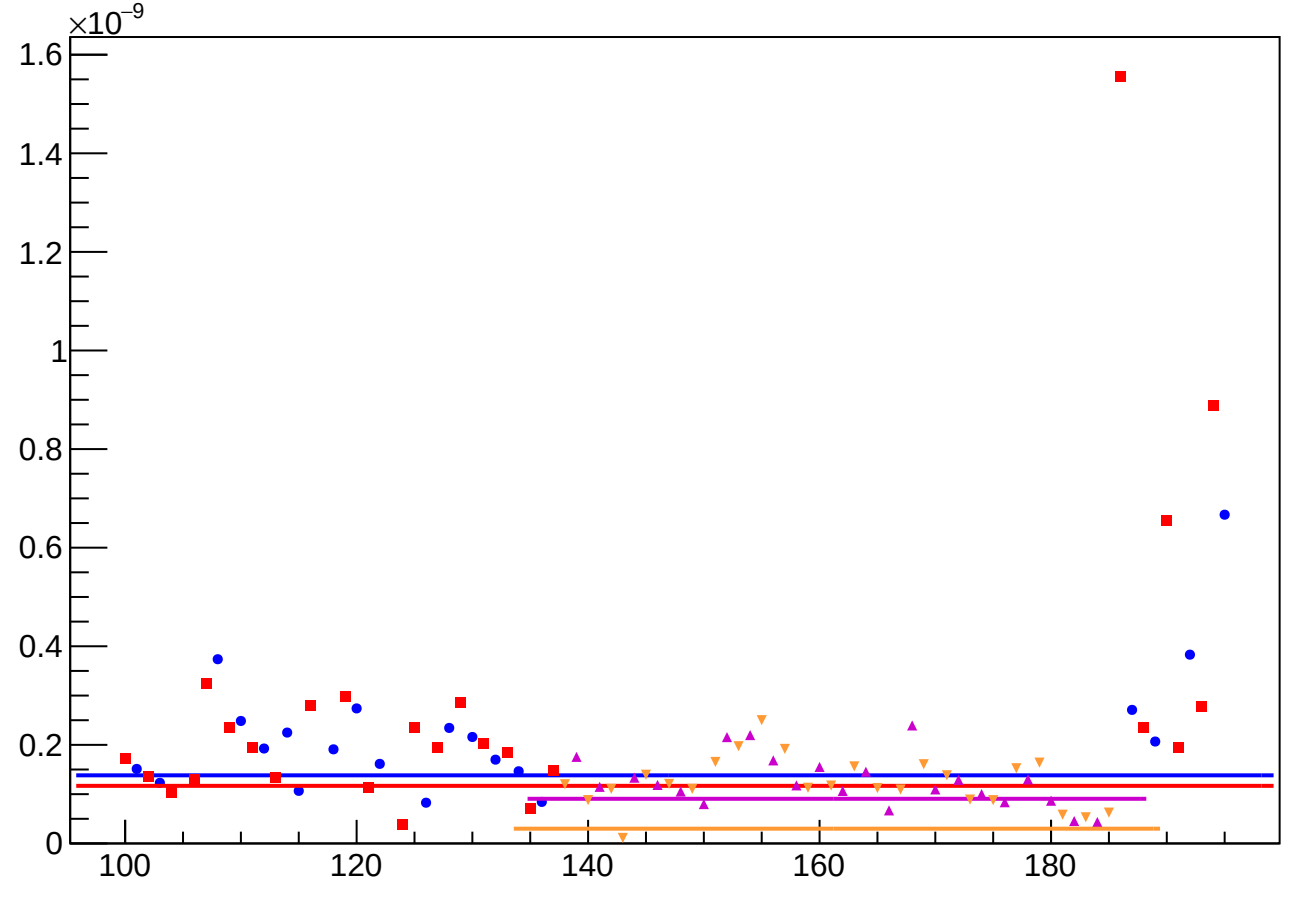
Left: -0.000+/-0.000 χ^2/NDF: 52.5/47

Right: -0.000+/-0.000 χ^2/NDF: 36.8/44

In: -0.000+/-0.000 χ^2/NDF:50.4/42

Out: 0.000+/-0.000 χ^2/NDF:38.1/49

All: -0.000+/-0.000 χ^2/NDF: 91.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 2304893.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4770943.6/24

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

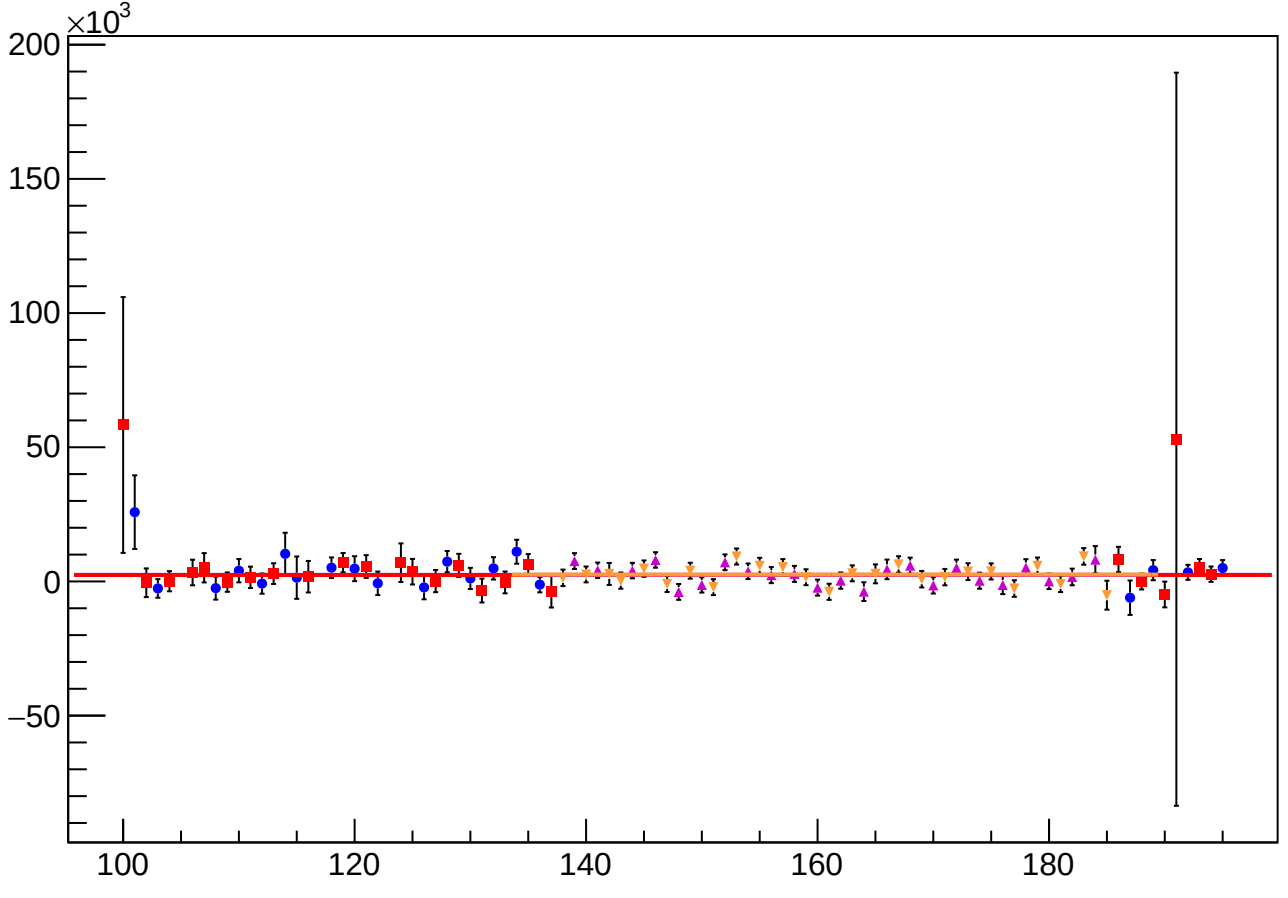
Right: 0.000+/-0.000 χ^2/NDF: 7194891.7/44

In: 0.000+/-0.000 χ^2/NDF:7905863.0/42

Out: 0.000+/-0.000 χ^2/NDF:26360991.4/49

All: 0.000+/-0.000 χ^2/NDF: 43824332.6/92

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2431.780+/-909.305 χ^2/NDF: 20.8/19

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2404.069+/-857.687 χ^2/NDF: 16.2/24

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

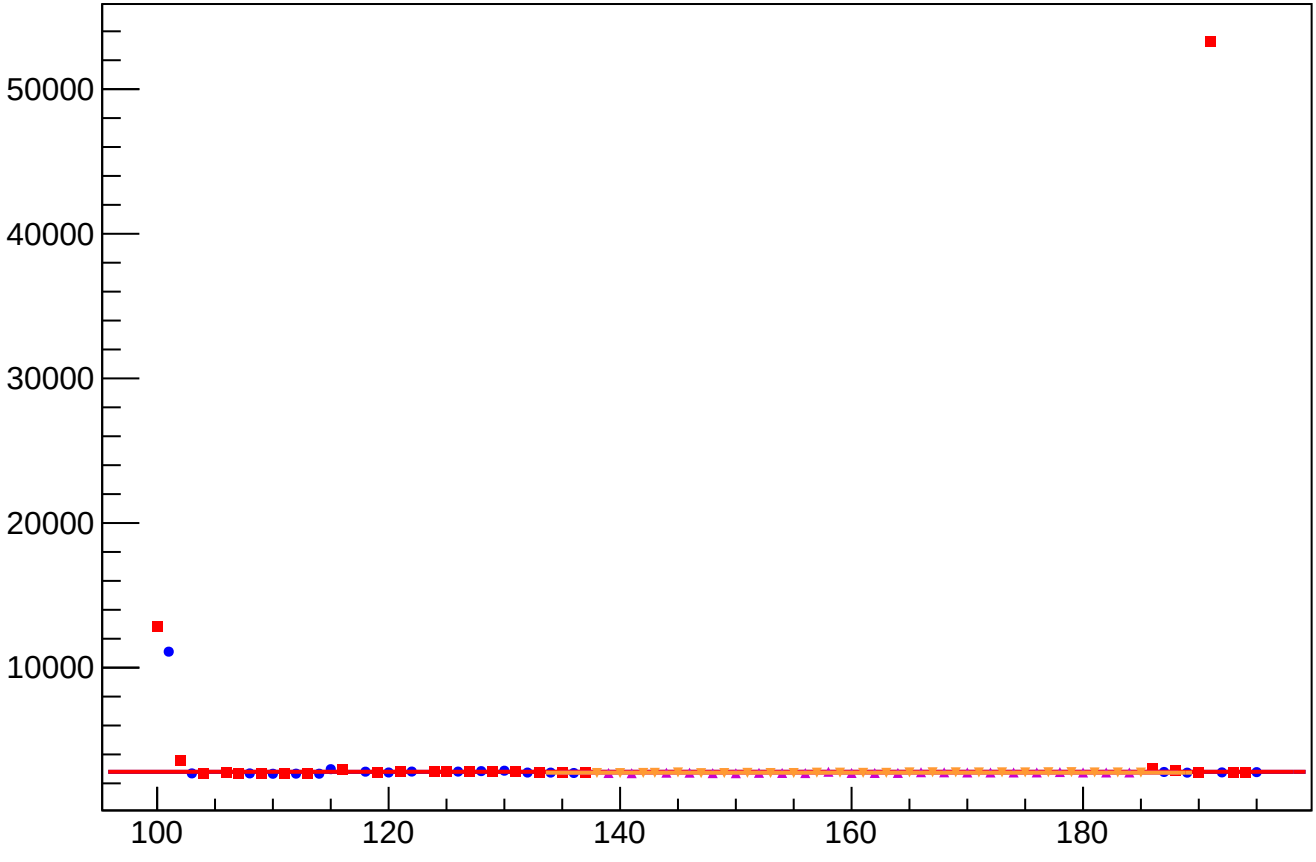
Right: 2417.116+/-623.927 χ^2/NDF: 37.0/44

In: 2416.087+/-523.214 χ^2/NDF:52.1/42

Out: 2504.197+/-503.438 χ^2/NDF:47.8/49

All: 2461.838+/-362.774 χ^2/NDF: 100.0/92

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2793.386+/-0.643 χ^2/NDF: 747299.4/19

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2800.940+/-0.606 χ^2/NDF: 478364.7/24

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

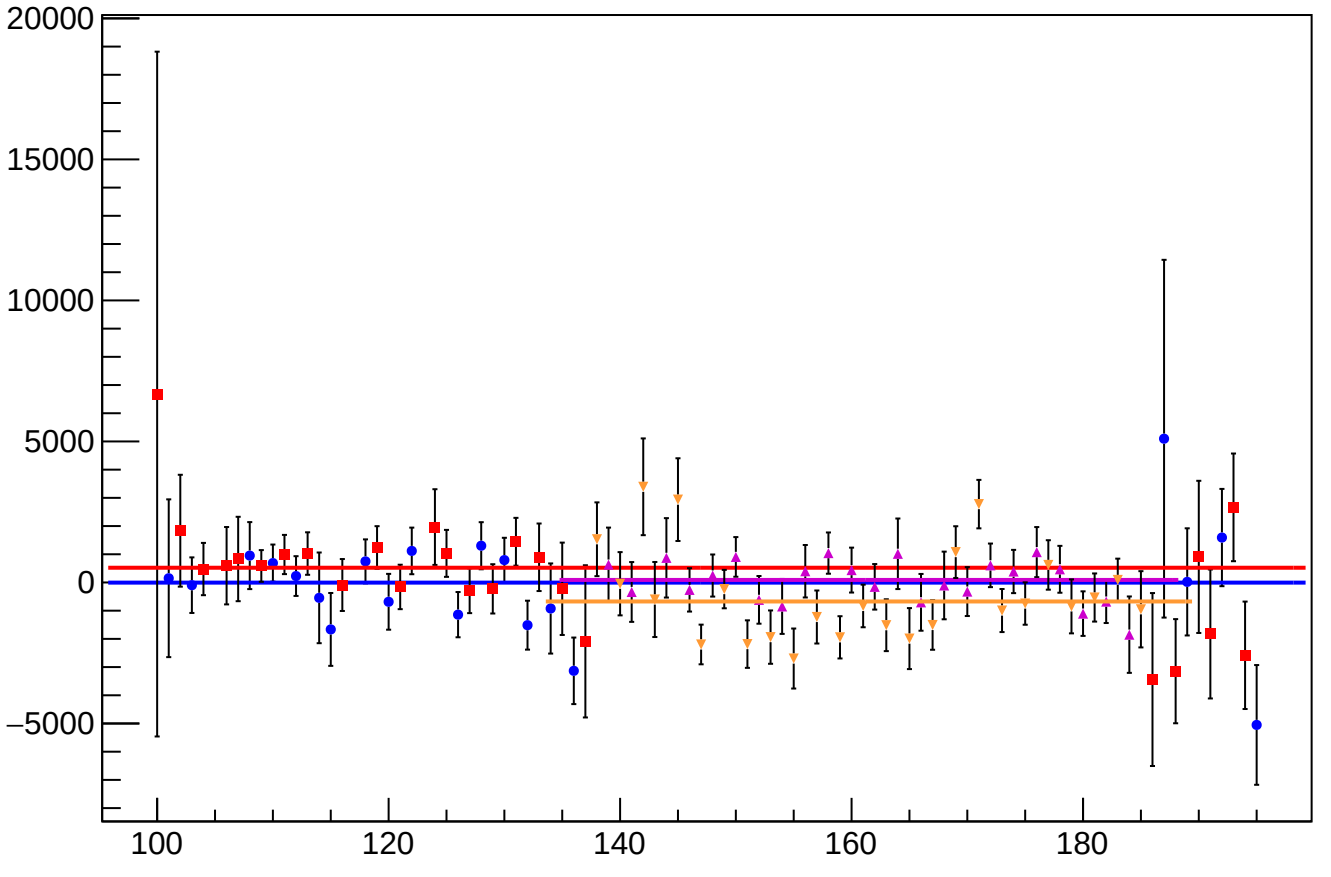
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2797.383+/-0.441 χ^2/NDF: 1225737.1/44

In: 2757.584+/-0.370 χ^2/NDF:755296.5/42

Out: 2759.370+/-0.356 χ^2/NDF:487850.1/49

All: 2758.511+/-0.257 χ^2/NDF: 1243158.7/92



Right In: -5.443+/-228.194 χ^2/NDF: 29.9/19

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 522.270+/-209.785 χ^2/NDF: 20.1/24

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

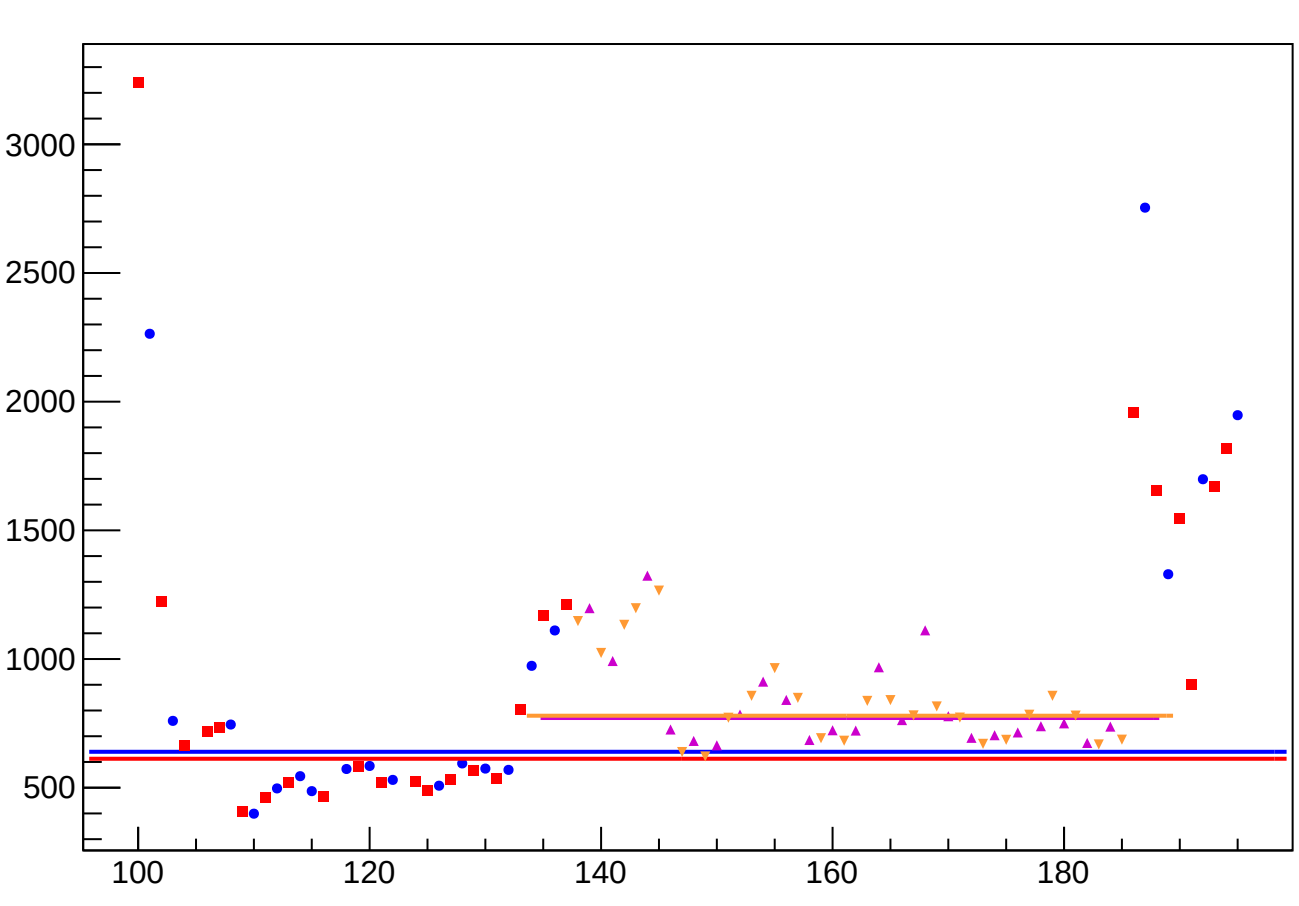
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 280.555+/-154.439 χ^2/NDF: 52.9/44

In: 52.229+/-142.996 χ^2/NDF:44.8/42

Out: -162.585+/-137.142 χ^2/NDF:97.1/49

All: -59.665+/-98.979 χ^2/NDF: 143.1/92



Right In: 639.564+/-0.161 χ^2/NDF: 3653699.5/19

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 612.481+/-0.148 χ^2/NDF: 3970922.3/24

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

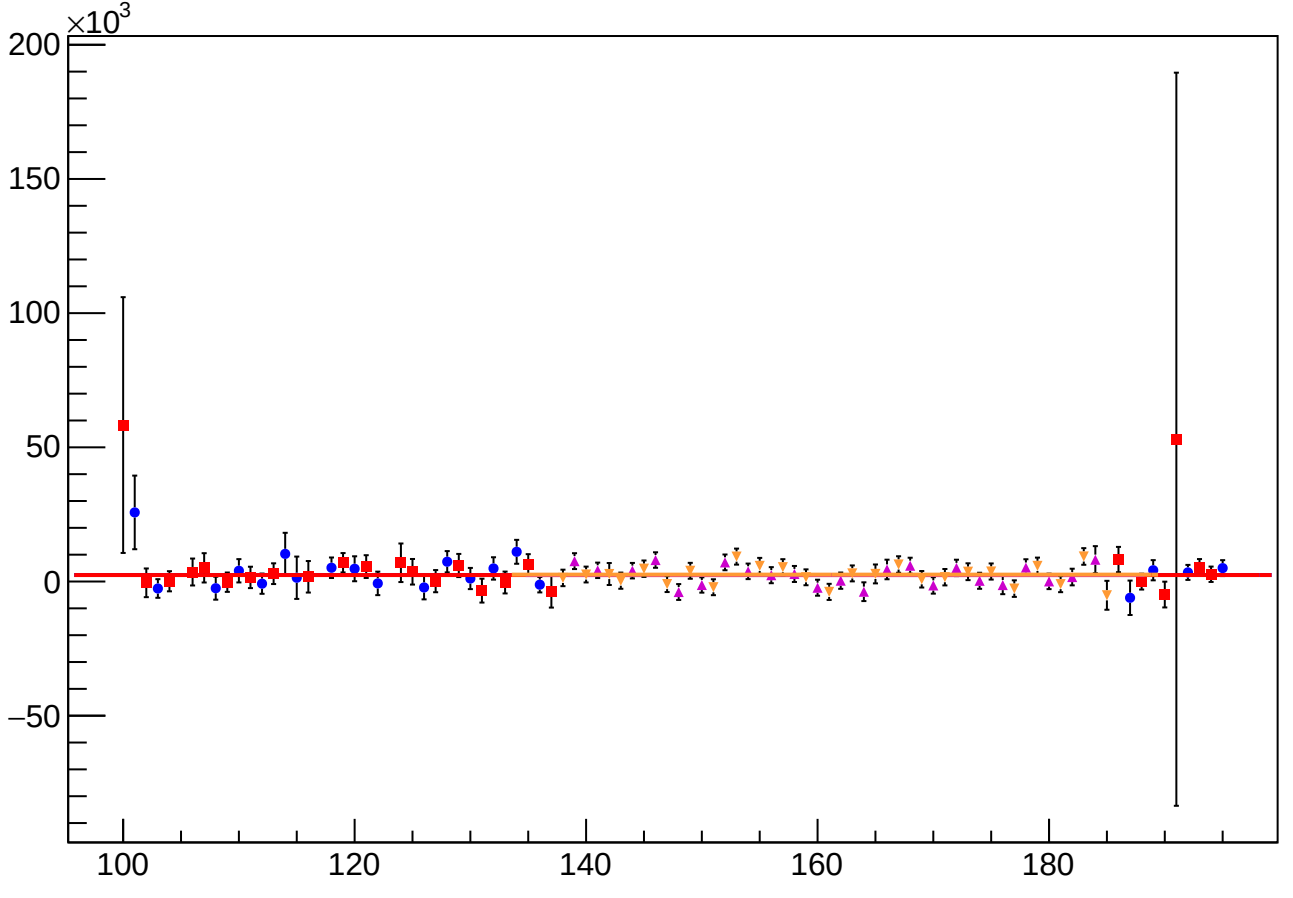
Right: 624.886+/-0.109 χ^2/NDF: 7639890.3/44

In: 719.263+/-0.101 χ^2/NDF:5131758.7/42

Out: 708.246+/-0.097 χ^2/NDF:5942465.8/49

All: 713.524+/-0.070 χ^2/NDF: 11080409.0/92

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2431.285+/-909.306 χ^2/NDF: 20.7/19

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2408.128+/-859.041 χ^2/NDF: 16.2/24

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

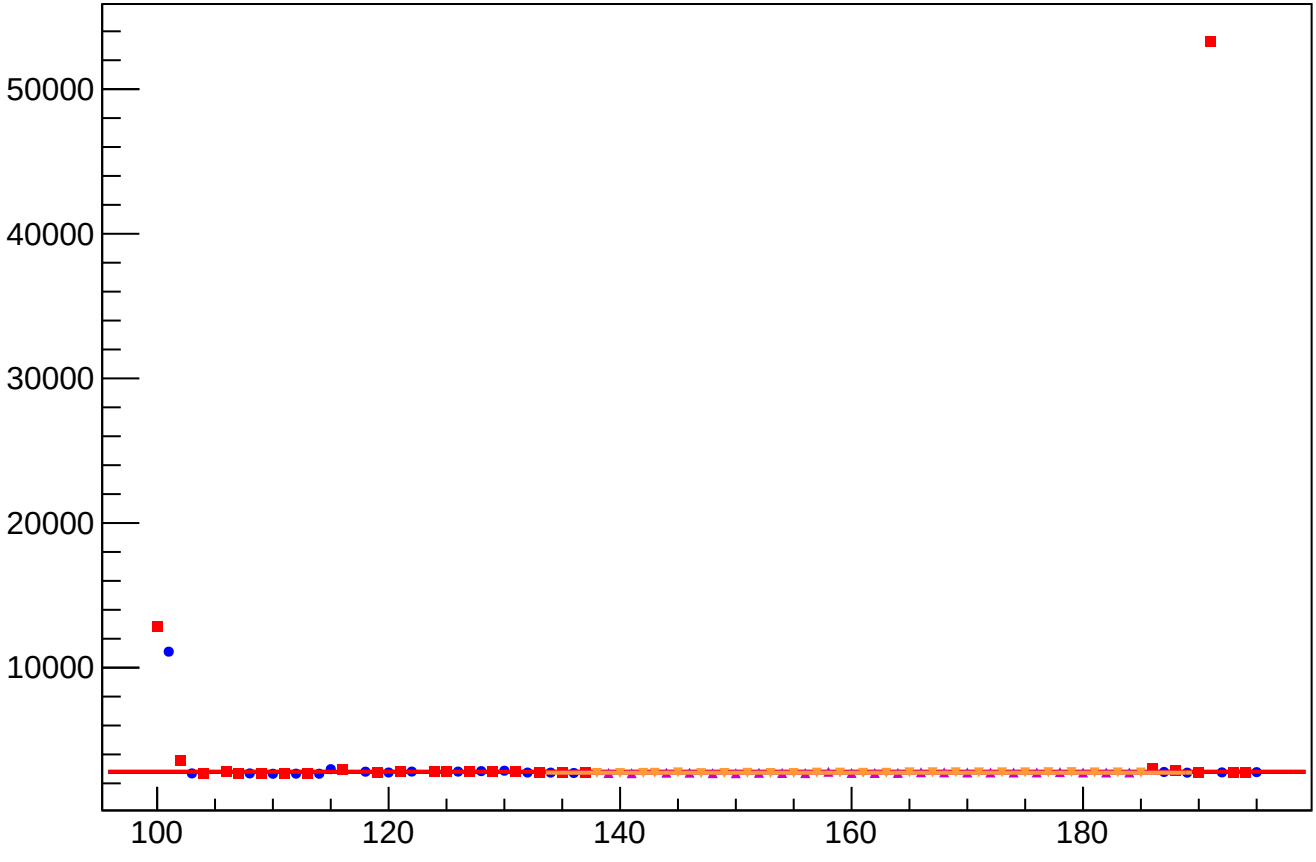
Right: 2419.049+/-624.448 χ^2/NDF: 37.0/44

In: 2416.018+/-523.214 χ^2/NDF:52.1/42

Out: 2505.675+/-503.711 χ^2/NDF:47.8/49

All: 2462.549+/-362.877 χ^2/NDF: 99.9/92

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2793.386+/-0.643 χ^2/NDF: 747298.5/19

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2804.634+/-0.607 χ^2/NDF: 477885.1/24

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

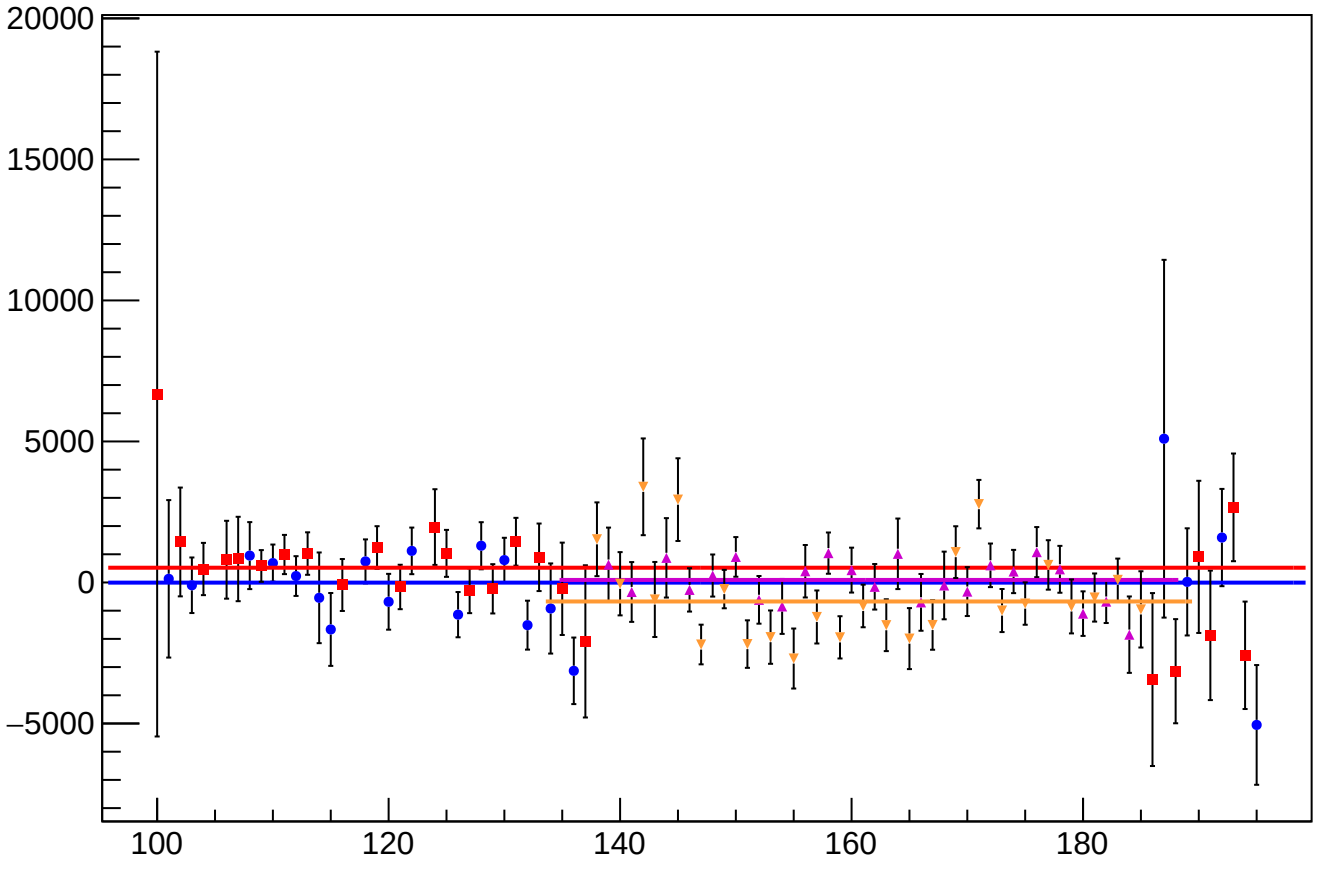
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2799.330+/-0.442 χ^2/NDF: 1225345.3/44

In: 2757.584+/-0.370 χ^2/NDF:755295.6/42

Out: 2760.595+/-0.356 χ^2/NDF:488213.4/49

All: 2759.146+/-0.257 χ^2/NDF: 1243543.3/92



Right In: -5.472+/-228.184 χ^2/NDF: 29.9/19

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 523.112+/-209.749 χ^2/NDF: 20.0/24

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

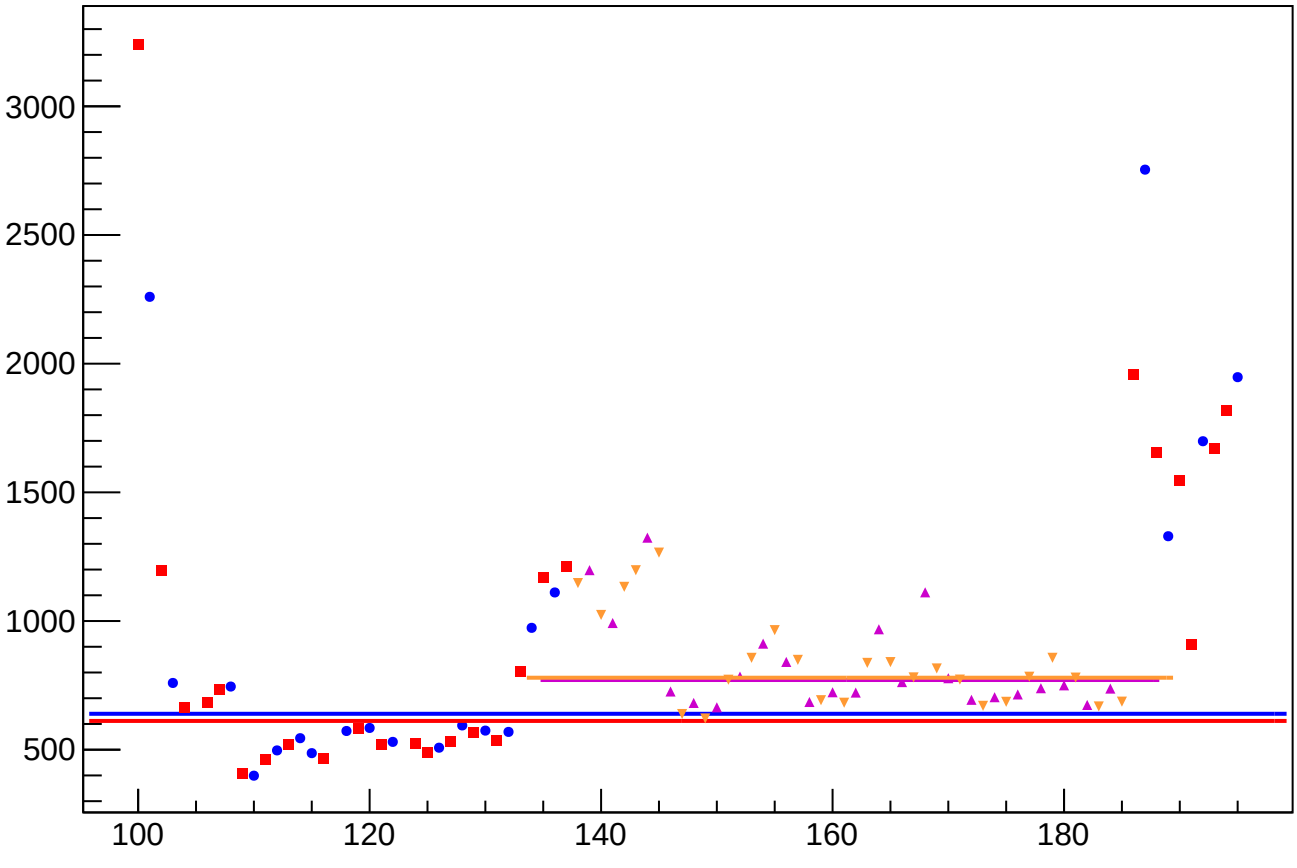
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 281.031+/-154.421 χ^2/NDF: 52.8/44

In: 52.291+/-142.994 χ^2/NDF:44.8/42

Out: -162.077+/-137.132 χ^2/NDF:97.0/49

All: -59.377+/-98.975 χ^2/NDF: 142.9/92



Right In: 639.558+/-0.161 χ^2/NDF: 3652723.7/19

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 611.792+/-0.148 χ^2/NDF: 3960804.2/24

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

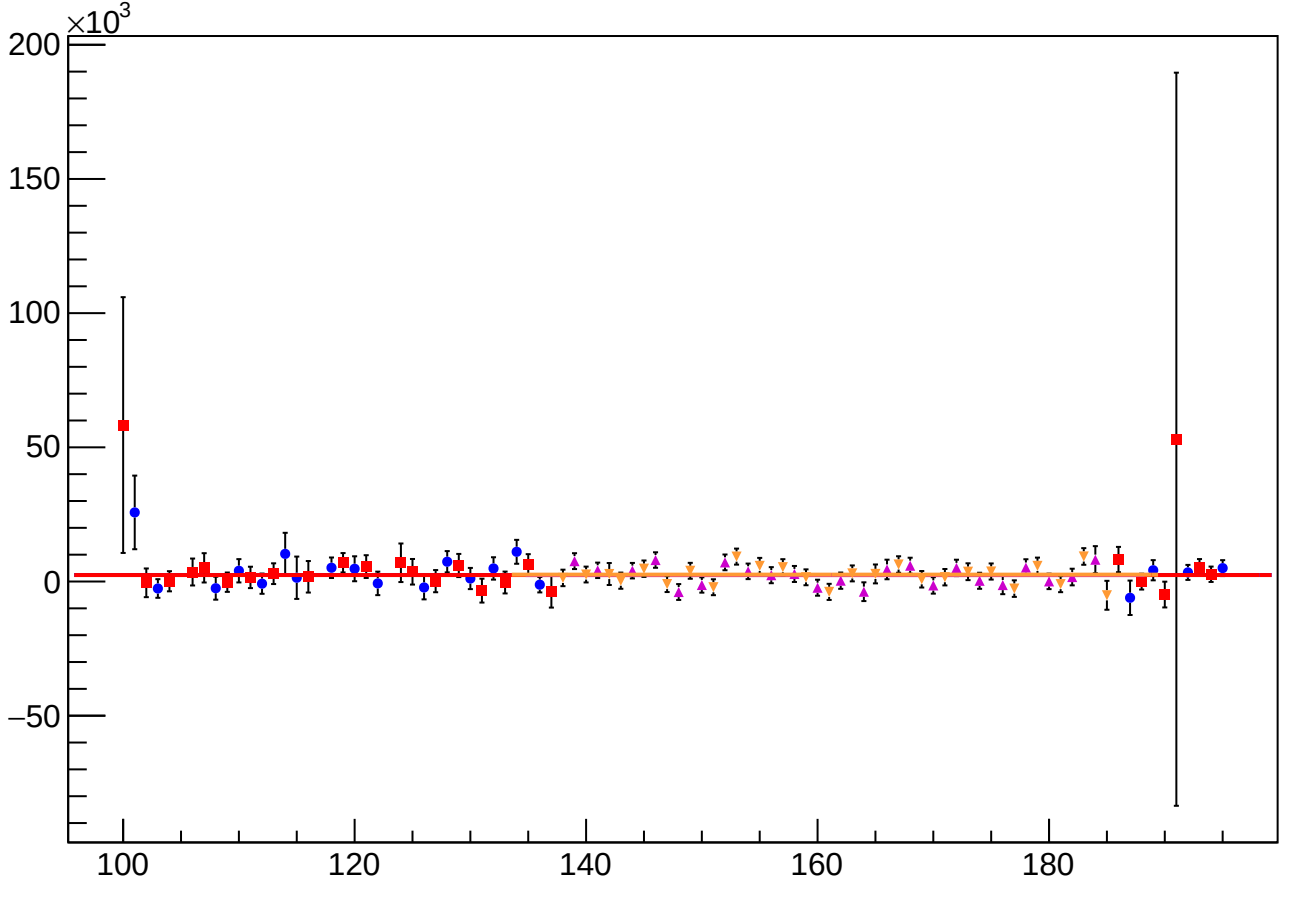
Right: 624.508+/-0.109 χ^2/NDF: 7629579.2/44

In: 719.260+/-0.101 χ^2/NDF:5130804.1/42

Out: 707.936+/-0.097 χ^2/NDF:5938511.8/49

All: 713.361+/-0.070 χ^2/NDF: 11075849.6/92

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2431.285+/-909.306 χ^2/NDF: 20.7/19

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2408.128+/-859.041 χ^2/NDF: 16.2/24

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

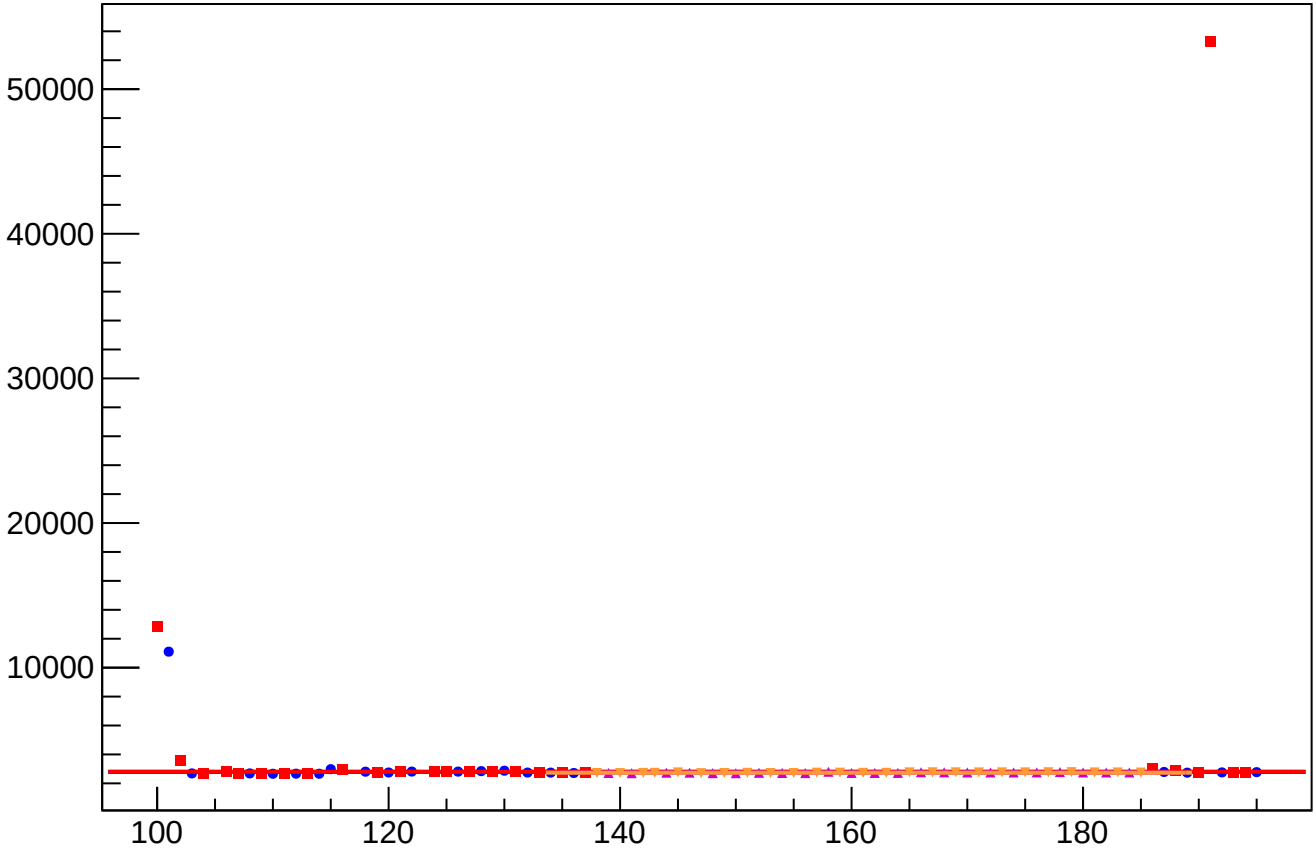
Right: 2419.049+/-624.448 χ^2/NDF: 37.0/44

In: 2416.018+/-523.214 χ^2/NDF:52.1/42

Out: 2505.675+/-503.711 χ^2/NDF:47.8/49

All: 2462.549+/-362.877 χ^2/NDF: 99.9/92

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2793.386+/-0.643 χ^2/NDF: 747298.5/19

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2804.634+/-0.607 χ^2/NDF: 477885.1/24

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

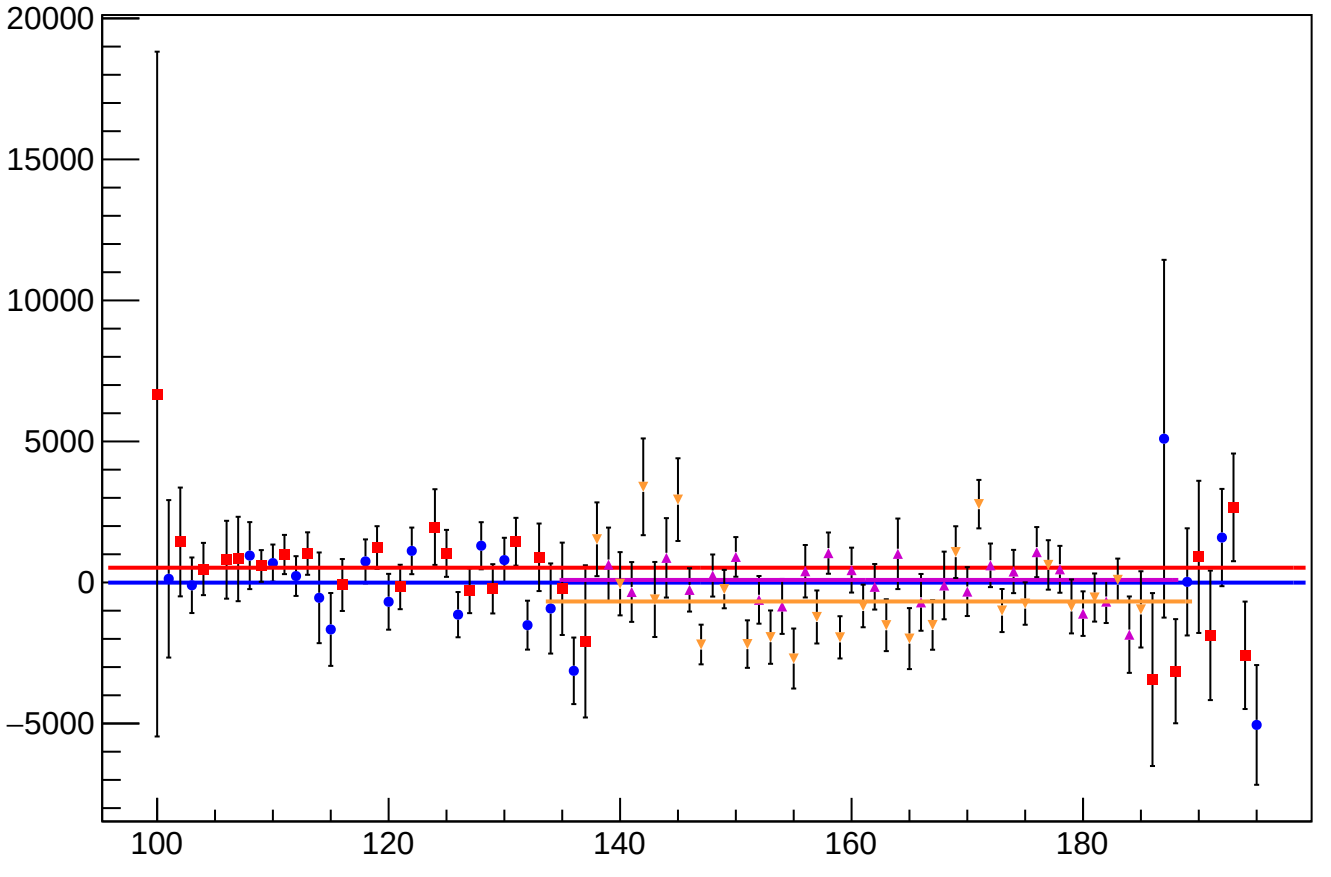
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2799.330+/-0.442 χ^2/NDF: 1225345.3/44

In: 2757.584+/-0.370 χ^2/NDF:755295.6/42

Out: 2760.595+/-0.356 χ^2/NDF:488213.4/49

All: 2759.146+/-0.257 χ^2/NDF: 1243543.3/92



Right In: -5.472+/-228.184 χ^2/NDF: 29.9/19

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 523.112+/-209.749 χ^2/NDF: 20.0/24

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

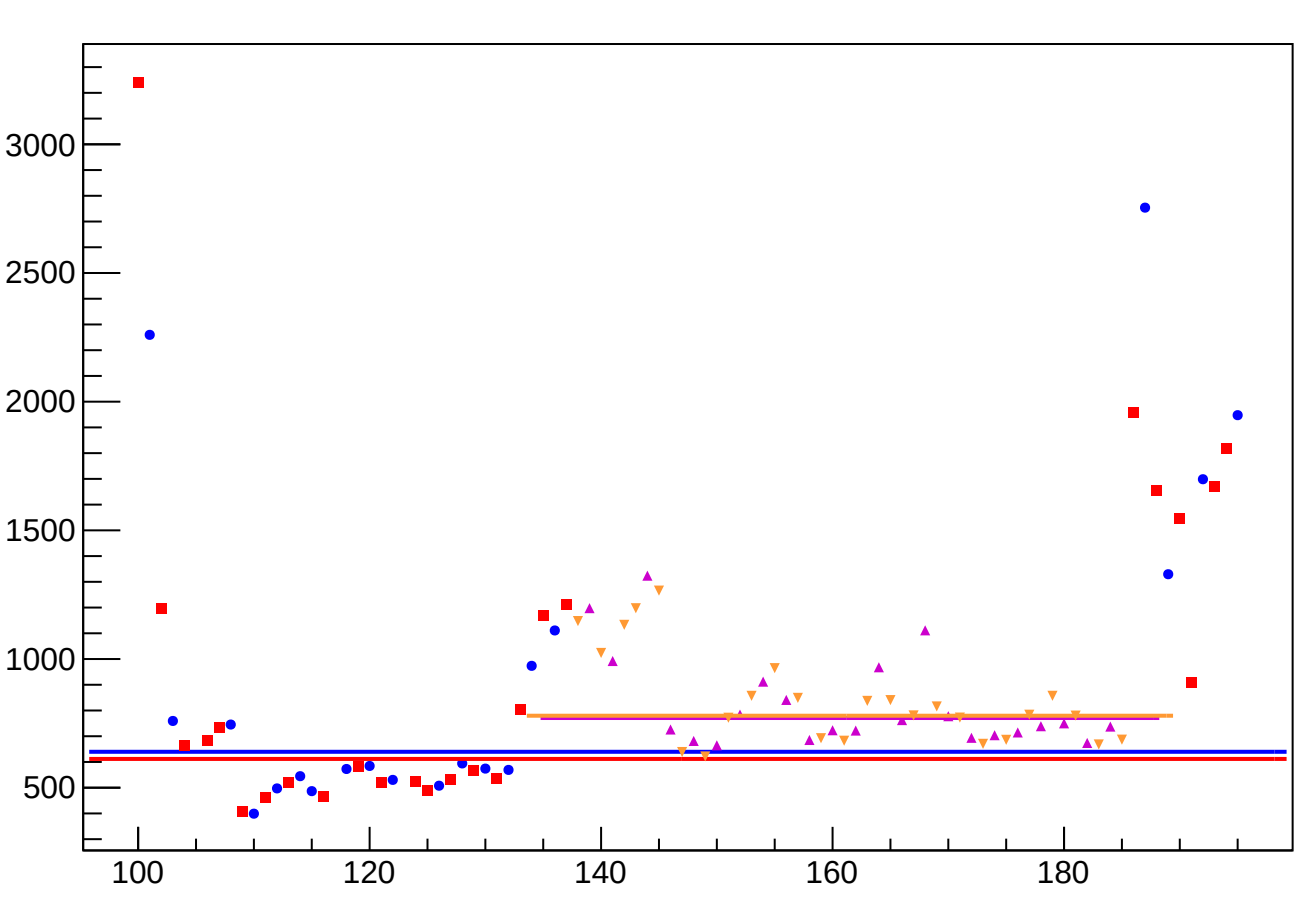
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 281.031+/-154.421 χ^2/NDF: 52.8/44

In: 52.291+/-142.994 χ^2/NDF:44.8/42

Out: -162.077+/-137.132 χ^2/NDF:97.0/49

All: -59.377+/-98.975 χ^2/NDF: 142.9/92



Right In: 639.558+/-0.161 χ^2/NDF: 3652723.7/19

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 611.792+/-0.148 χ^2/NDF: 3960804.2/24

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

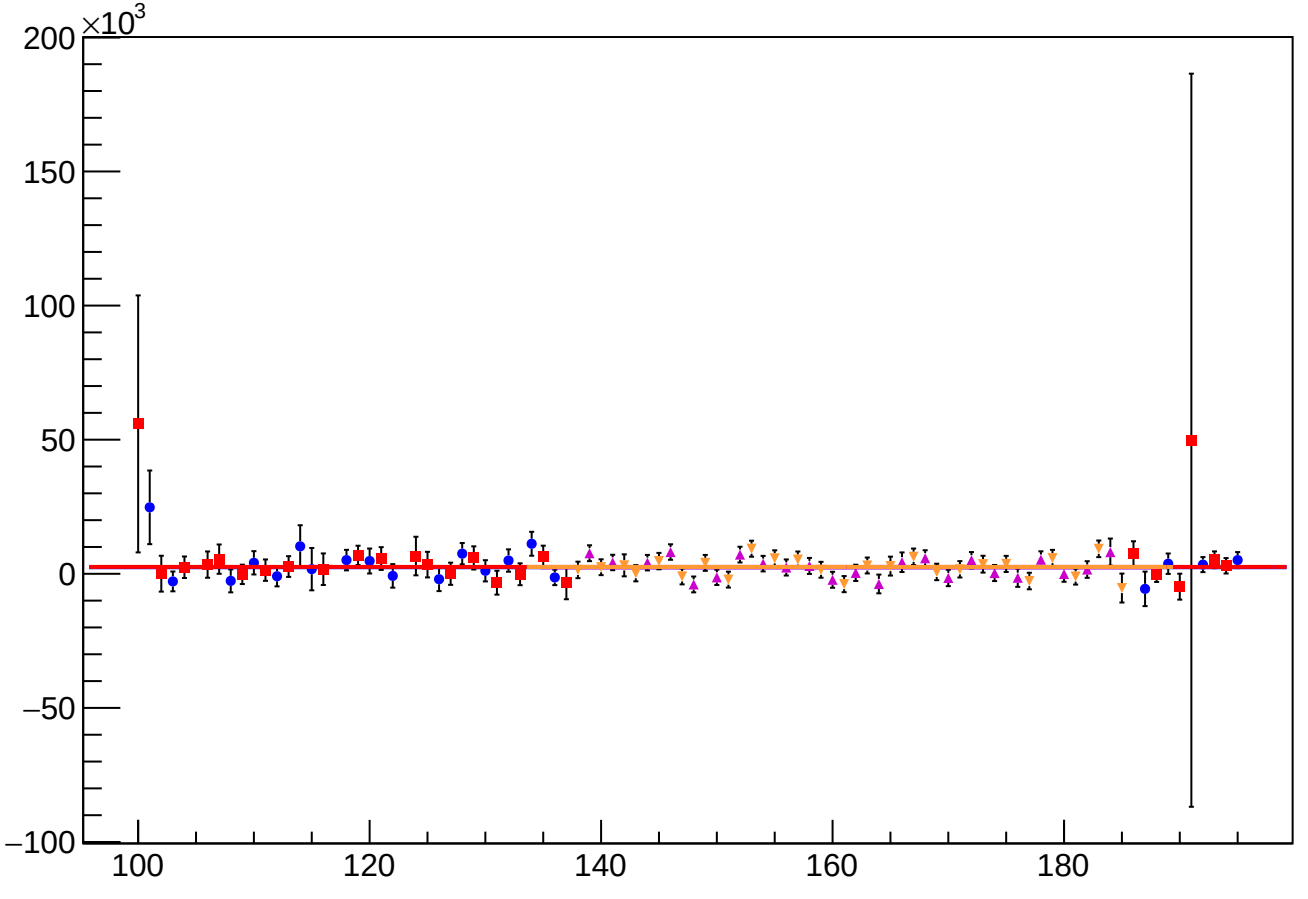
Right: 624.508+/-0.109 χ^2/NDF: 7629579.2/44

In: 719.260+/-0.101 χ^2/NDF:5130804.1/42

Out: 707.936+/-0.097 χ^2/NDF:5938511.8/49

All: 713.361+/-0.070 χ^2/NDF: 11075849.6/92

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2446.036+/-914.923 χ^2/NDF: 20.6/19

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2570.566+/-866.532 χ^2/NDF: 15.0/24

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

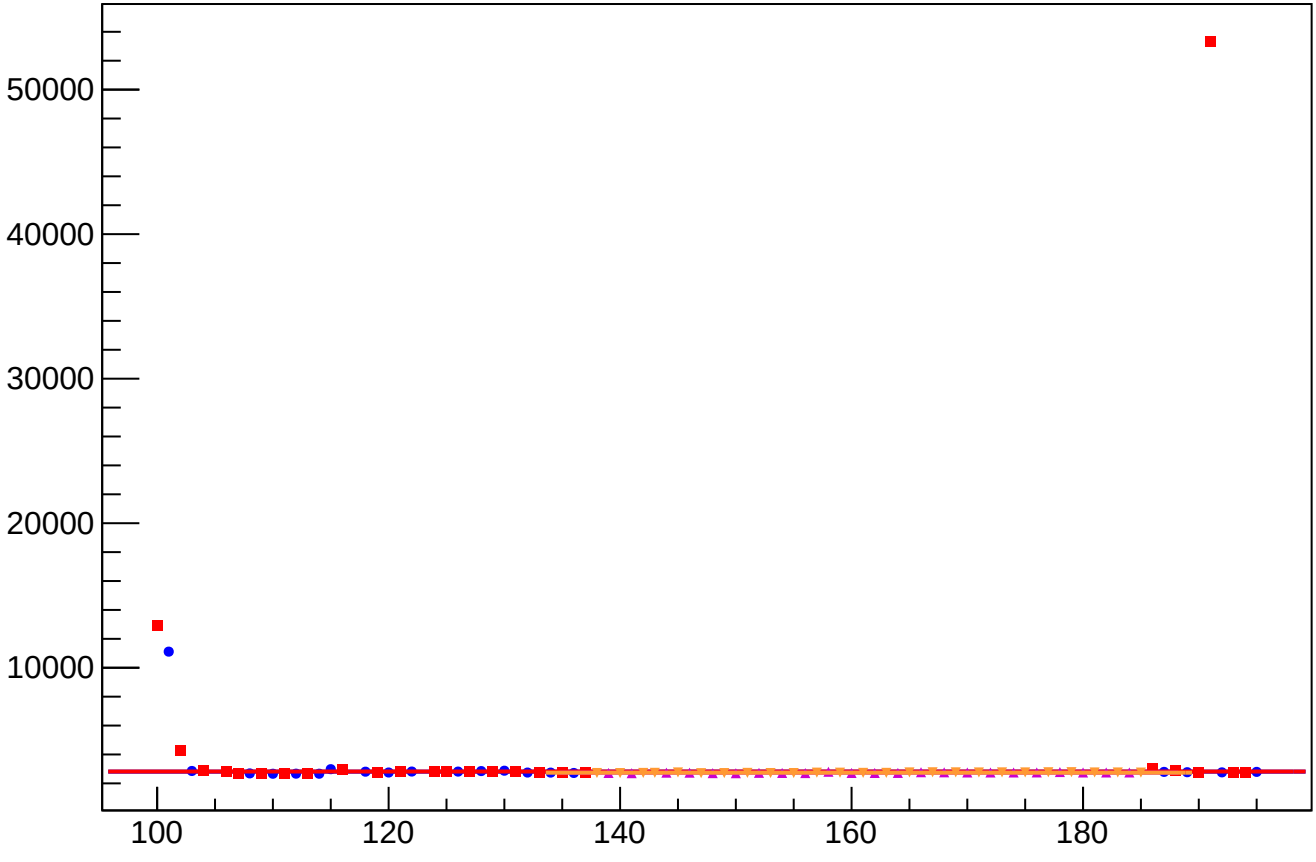
Right: 2511.681+/-629.143 χ^2/NDF: 35.6/44

In: 2419.732+/-524.475 χ^2/NDF:52.4/42

Out: 2553.726+/-505.427 χ^2/NDF:46.9/49

All: 2489.207+/-363.938 χ^2/NDF: 99.3/92

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2810.750+/-0.647 χ^2/NDF: 745066.2/19

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2820.493+/-0.613 χ^2/NDF: 531239.0/24

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

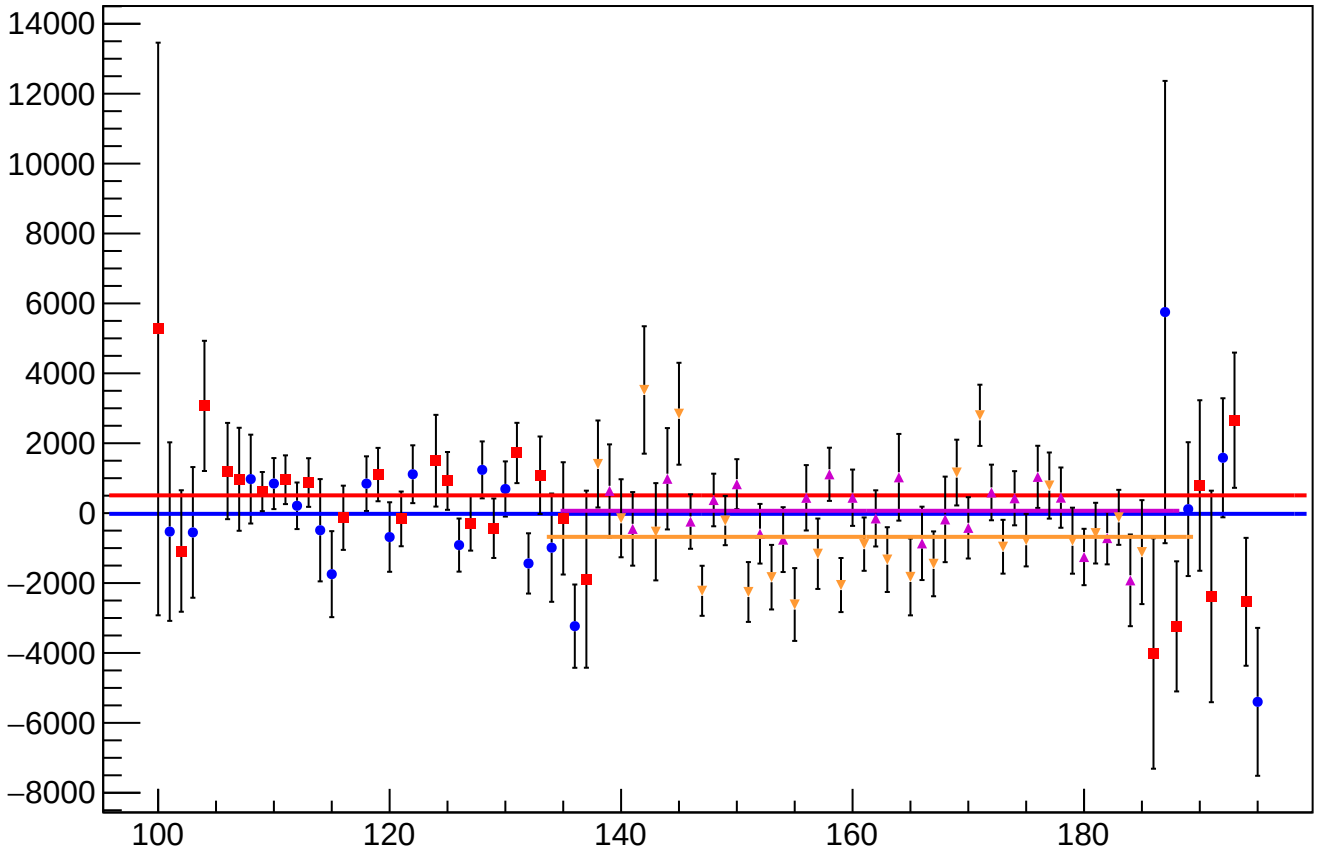
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2815.886+/-0.445 χ^2/NDF: 1276424.7/44

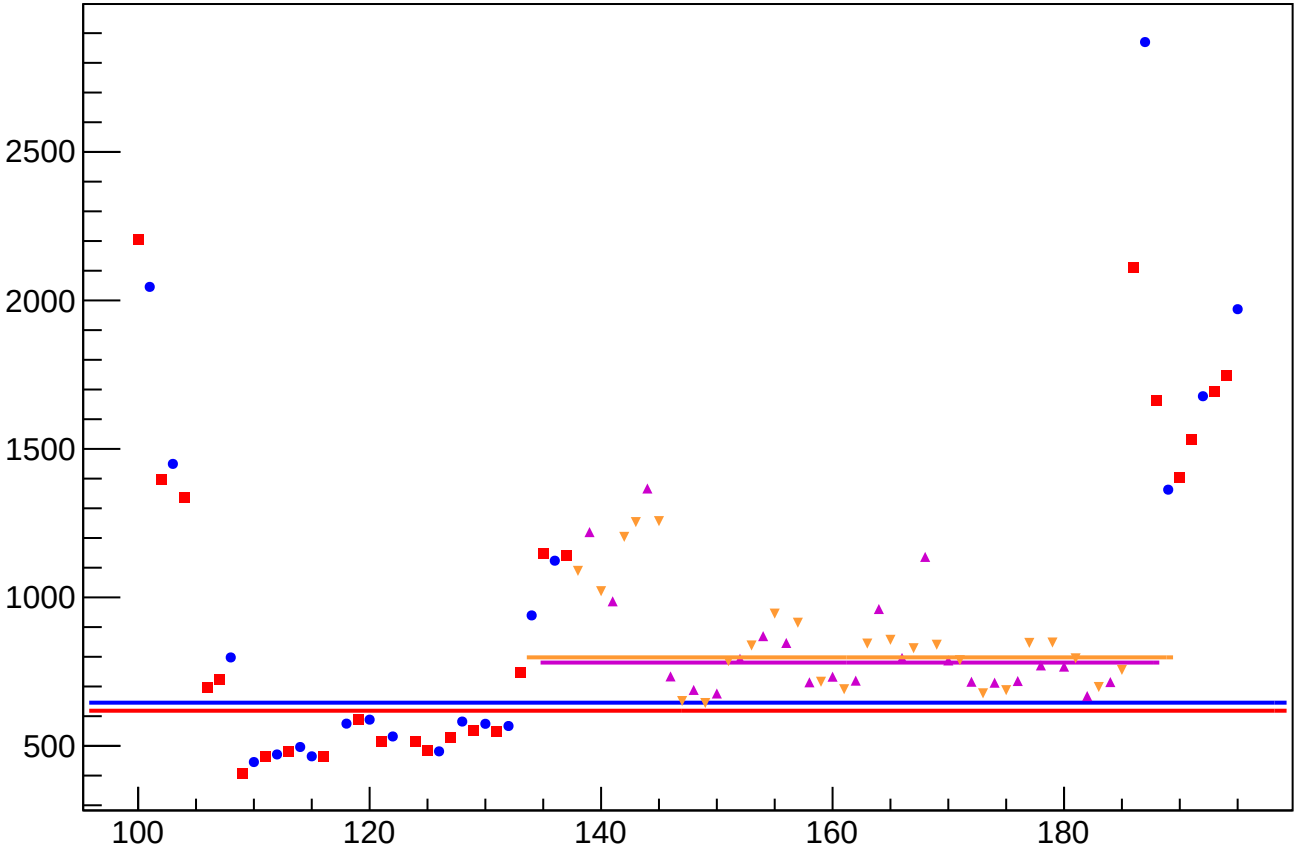
In: 2764.183+/-0.371 χ^2/NDF:756152.7/42

Out: 2766.925+/-0.357 χ^2/NDF:545145.5/49

All: 2765.605+/-0.257 χ^2/NDF: 1301326.5/92


asym_atr1_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
Right In: -20.005+/-231.875 χ²/NDF: 30.9/19
Left Out: -678.226+/-185.004 χ²/NDF:56.2/24
Right Out: 508.601+/-211.090 χ²/NDF: 23.2/24
Left In: 67.156+/-185.436 χ²/NDF:15.8/22
Left: -306.403+/-130.970 χ²/NDF: 80.1/47
Right: 269.046+/-156.095 χ²/NDF: 57.0/44
In: 33.157+/-144.821 χ²/NDF:46.9/42
Out: -162.637+/-139.132 χ²/NDF:97.3/49
All: -68.661+/-100.332 χ²/NDF: 145.1/92

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 645.511+/-0.164 χ^2/NDF: 3969381.4/19

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 618.406+/-0.149 χ^2/NDF: 4594745.5/24

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

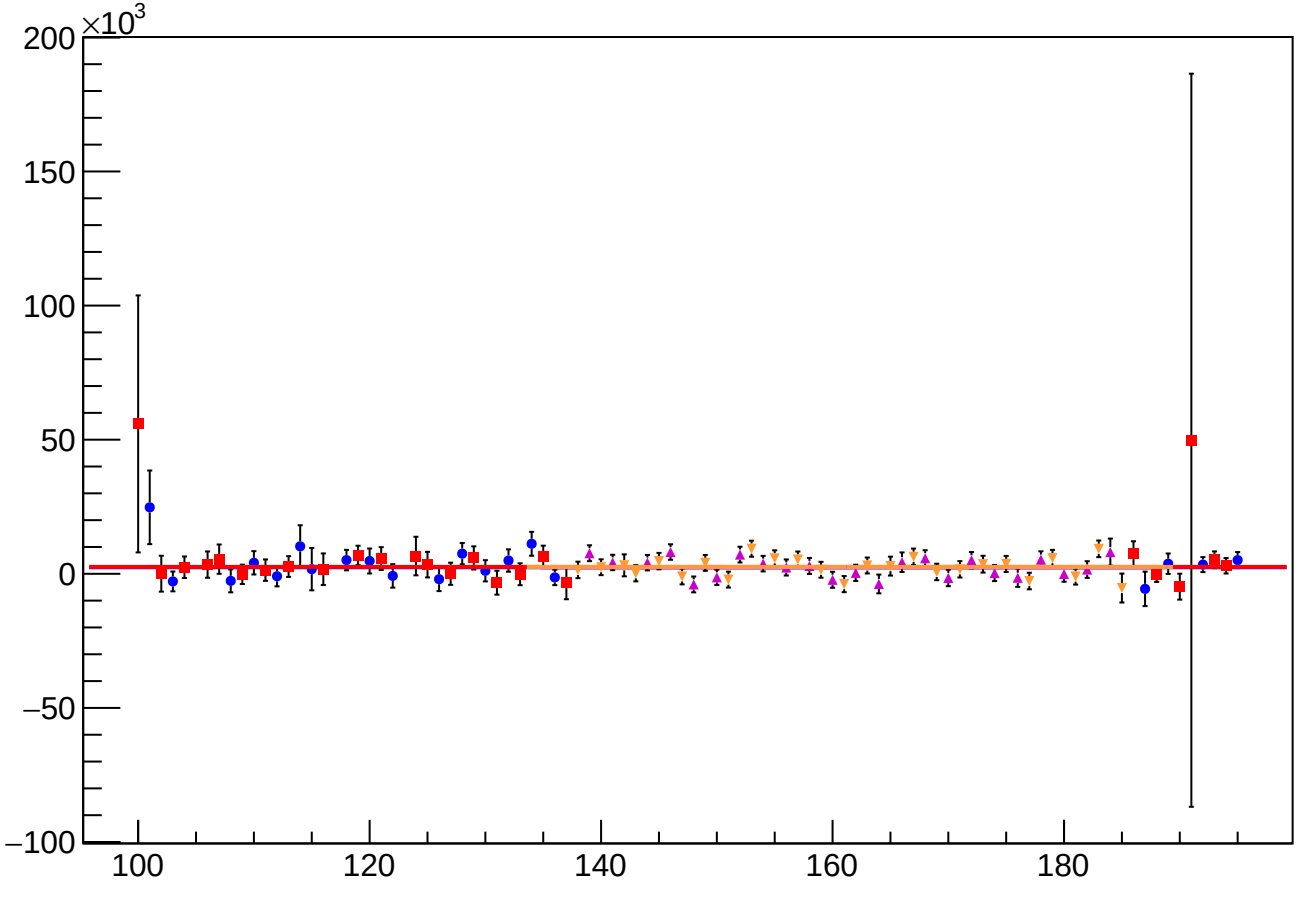
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 630.690+/-0.110 χ^2/NDF: 8579070.8/44

In: 727.859+/-0.102 χ^2/NDF:5447784.3/42

Out: 720.031+/-0.098 χ^2/NDF:6582706.6/49

All: 723.789+/-0.071 χ^2/NDF: 12033529.5/92



Right In: 2446.035+/-914.923 χ^2/NDF: 20.6/19

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2570.562+/-866.532 χ^2/NDF: 15.0/24

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

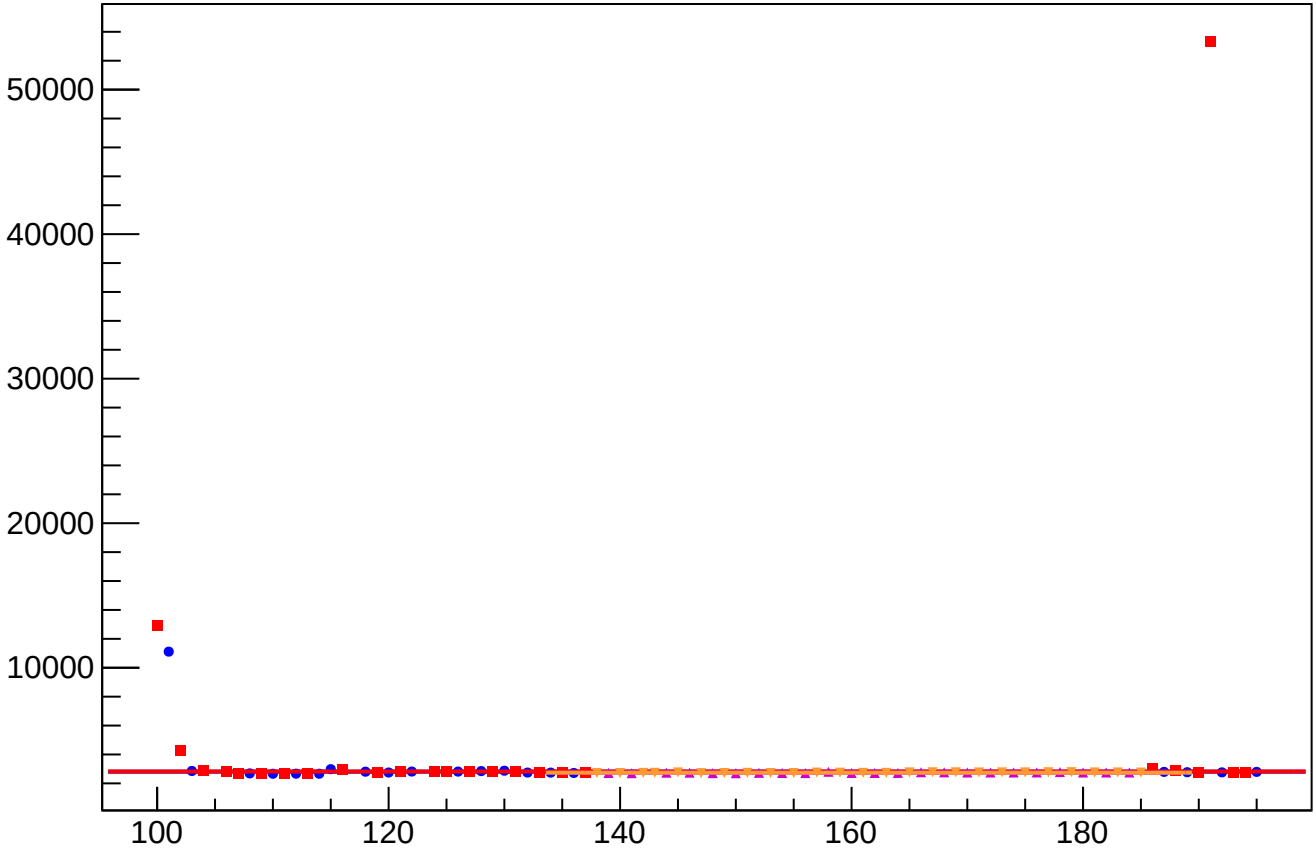
Right: 2511.678+/-629.143 χ^2/NDF: 35.6/44

In: 2419.732+/-524.475 χ^2/NDF:52.4/42

Out: 2553.725+/-505.426 χ^2/NDF:46.9/49

All: 2489.206+/-363.938 χ^2/NDF: 99.3/92

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2810.750+/-0.647 χ^2/NDF: 745066.1/19

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2820.493+/-0.613 χ^2/NDF: 531238.8/24

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

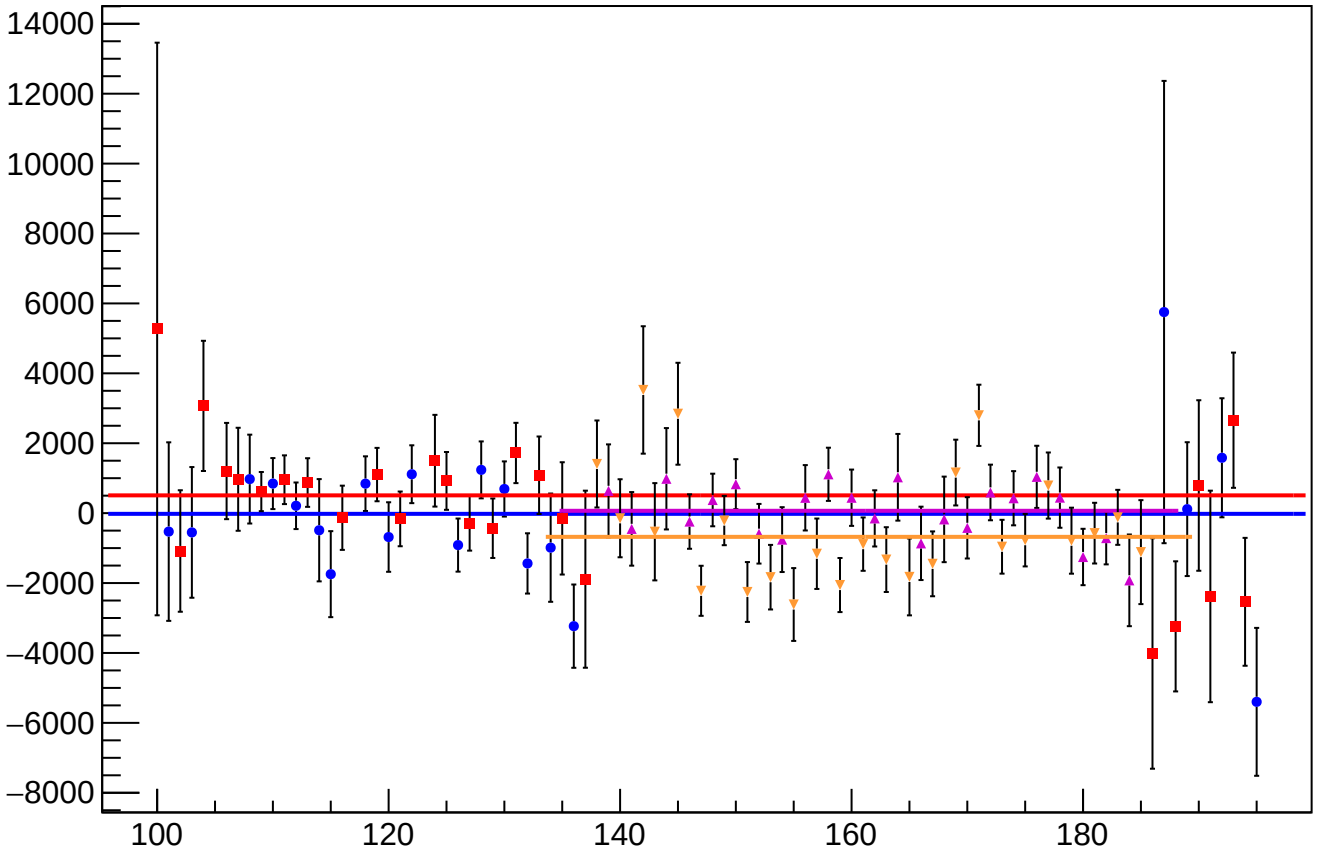
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2815.886+/-0.445 χ^2/NDF: 1276424.5/44

In: 2764.183+/-0.371 χ^2/NDF:756152.6/42

Out: 2766.925+/-0.357 χ^2/NDF:545145.3/49

All: 2765.605+/-0.257 χ^2/NDF: 1301326.3/92



Right In: -20.005+/-231.875 χ^2/NDF: 30.9/19

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 508.601+/-211.090 χ^2/NDF: 23.2/24

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

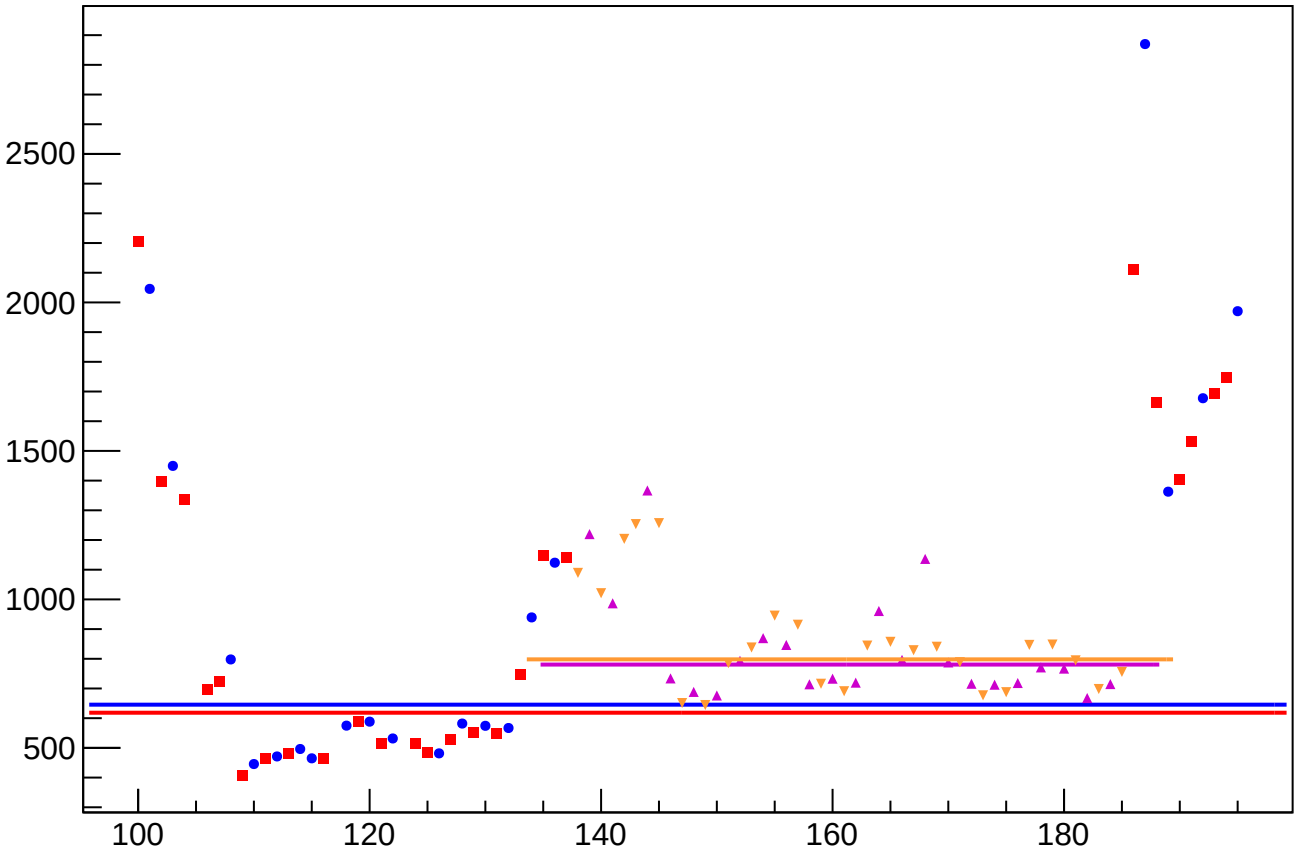
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 269.046+/-156.095 χ^2/NDF: 57.0/44

In: 33.157+/-144.821 χ^2/NDF:46.9/42

Out: -162.638+/-139.132 χ^2/NDF:97.3/49

All: -68.661+/-100.332 χ^2/NDF: 145.1/92



Right In: 645.512+/-0.164 χ^2/NDF: 3969376.0/19

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 618.406+/-0.149 χ^2/NDF: 4594745.0/24

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

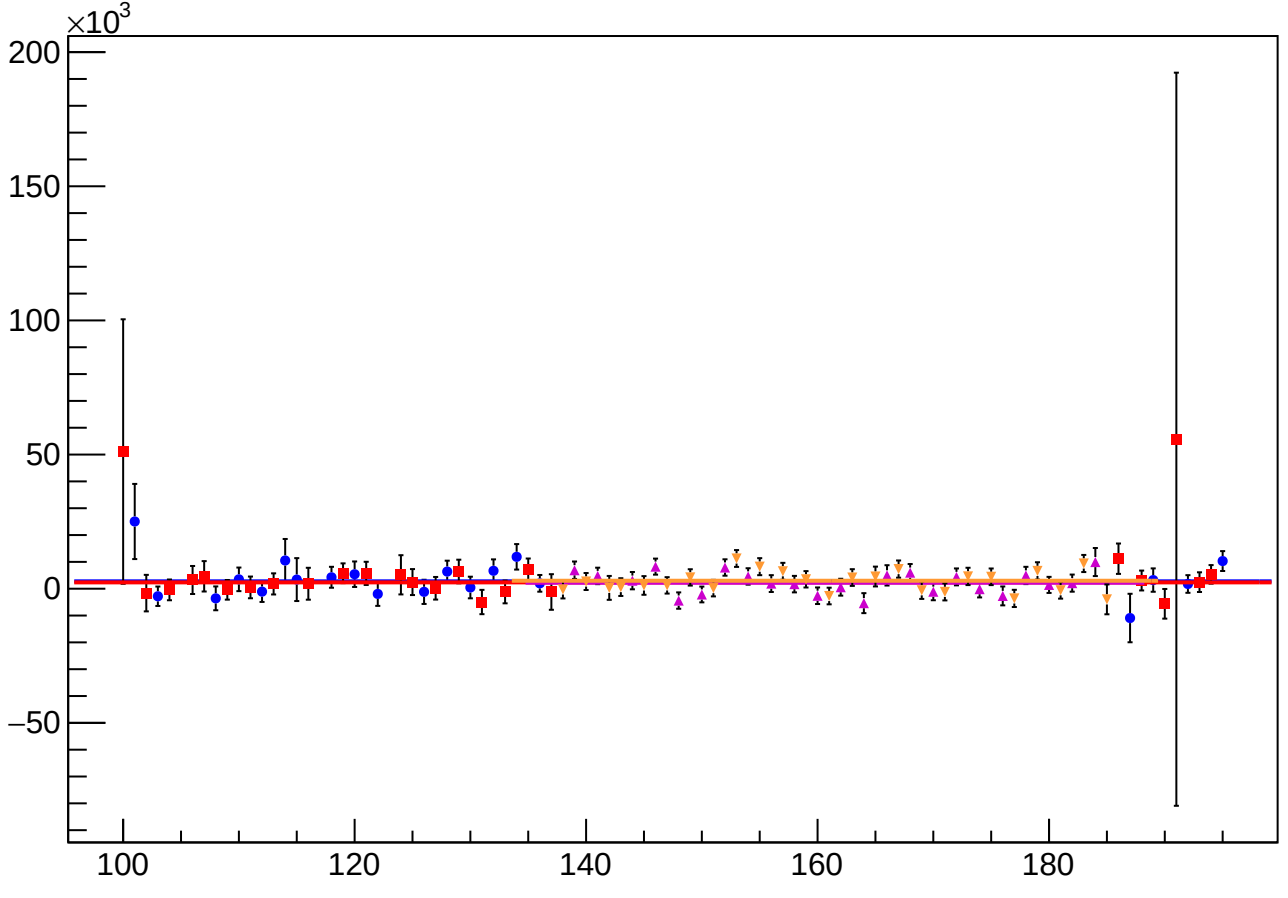
Right: 630.690+/-0.110 χ^2/NDF: 8579065.3/44

In: 727.859+/-0.102 χ^2/NDF:5447778.3/42

Out: 720.032+/-0.098 χ^2/NDF:6582707.2/49

All: 723.789+/-0.071 χ^2/NDF: 12033524.0/92

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2752.963+/-977.067 χ^2/NDF: 23.5/19

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2359.722+/-928.744 χ^2/NDF: 15.9/24

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

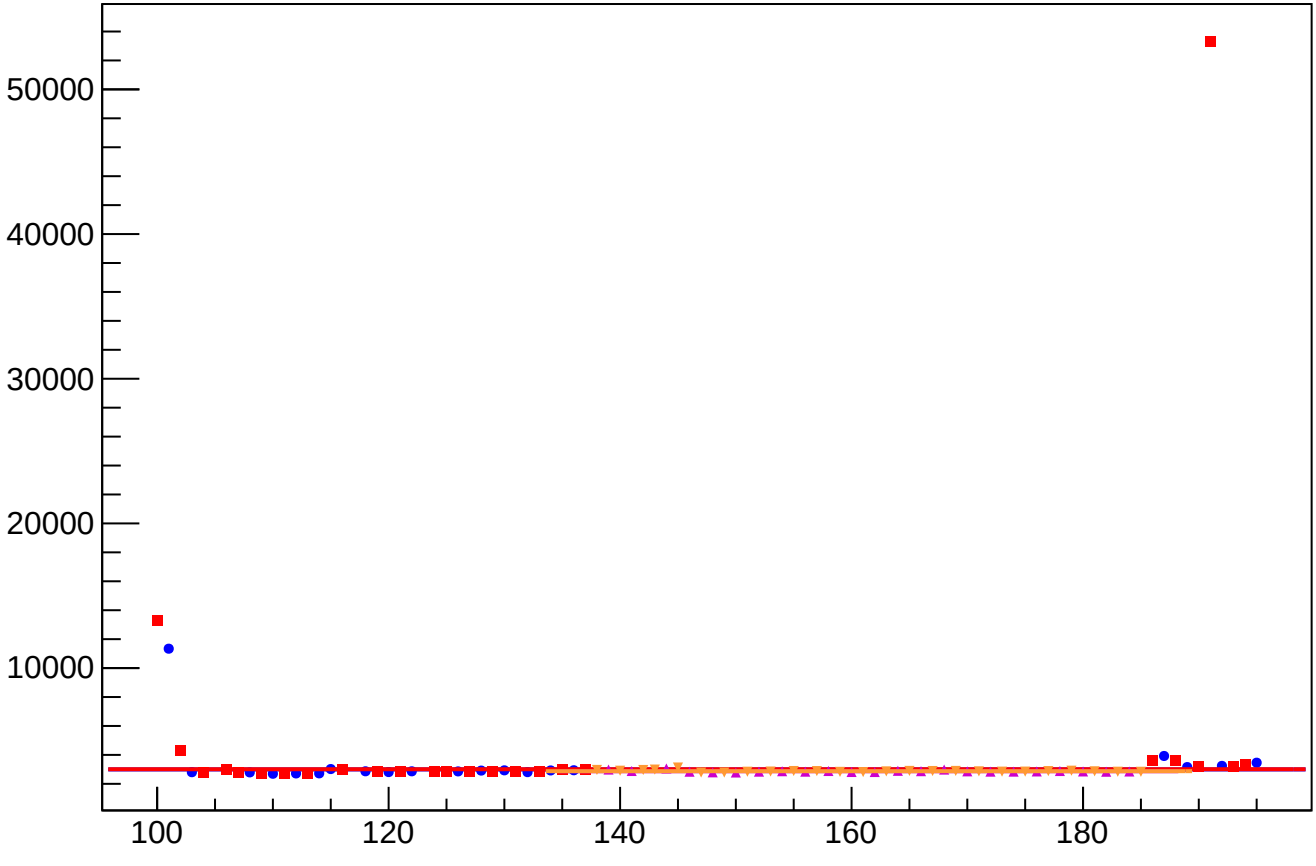
Right: 2546.378+/-673.156 χ^2/NDF: 39.5/44

In: 2402.467+/-552.749 χ^2/NDF:57.5/42

Out: 2767.550+/-534.336 χ^2/NDF:51.9/49

All: 2591.190+/-384.177 χ^2/NDF: 109.6/92

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2993.950+/-0.691 χ^2/NDF: 823494.5/19

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3009.141+/-0.657 χ^2/NDF: 641737.5/24

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

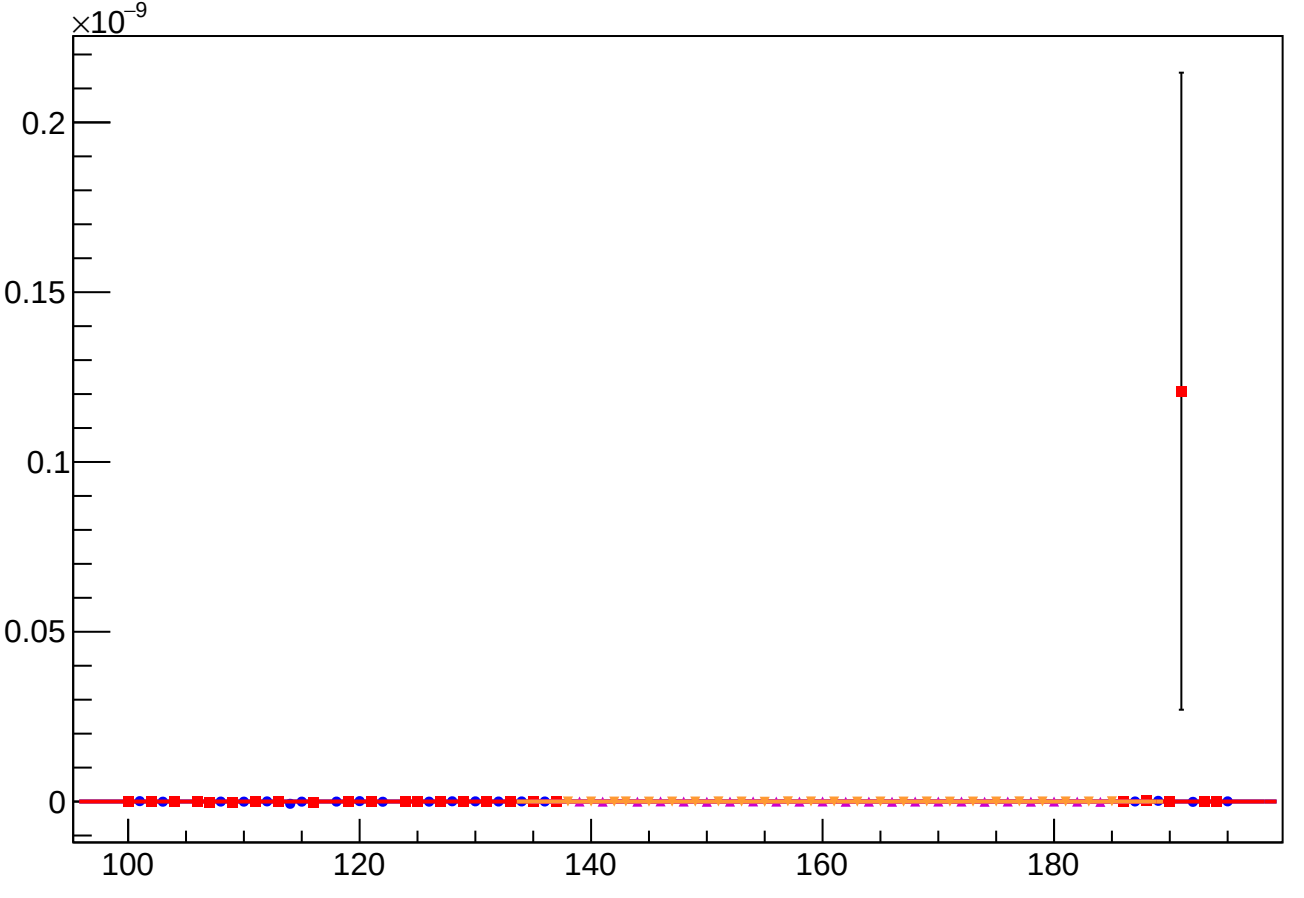
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3001.930+/-0.476 χ^2/NDF: 1465486.0/44

In: 2909.773+/-0.391 χ^2/NDF:863013.4/42

Out: 2919.357+/-0.378 χ^2/NDF:691465.9/49

All: 2914.727+/-0.272 χ^2/NDF: 1554790.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/24

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

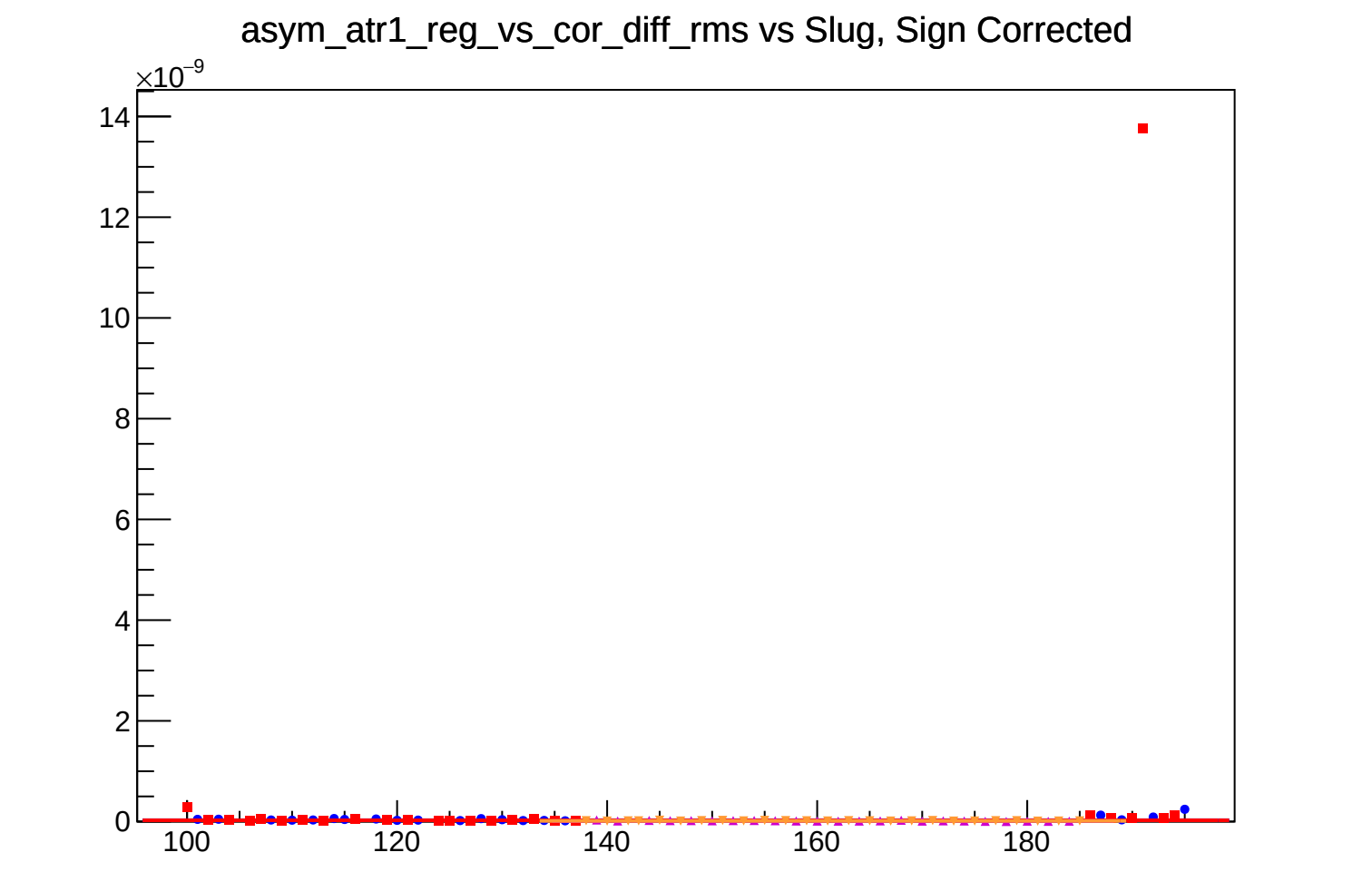
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 45.0/44

In: -0.000+/-0.000 χ^2/NDF:45.0/42

Out: 0.000+/-0.000 χ^2/NDF:44.8/49

All: -0.000+/-0.000 χ^2/NDF: 90.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 2004695.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2023512.5/24

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

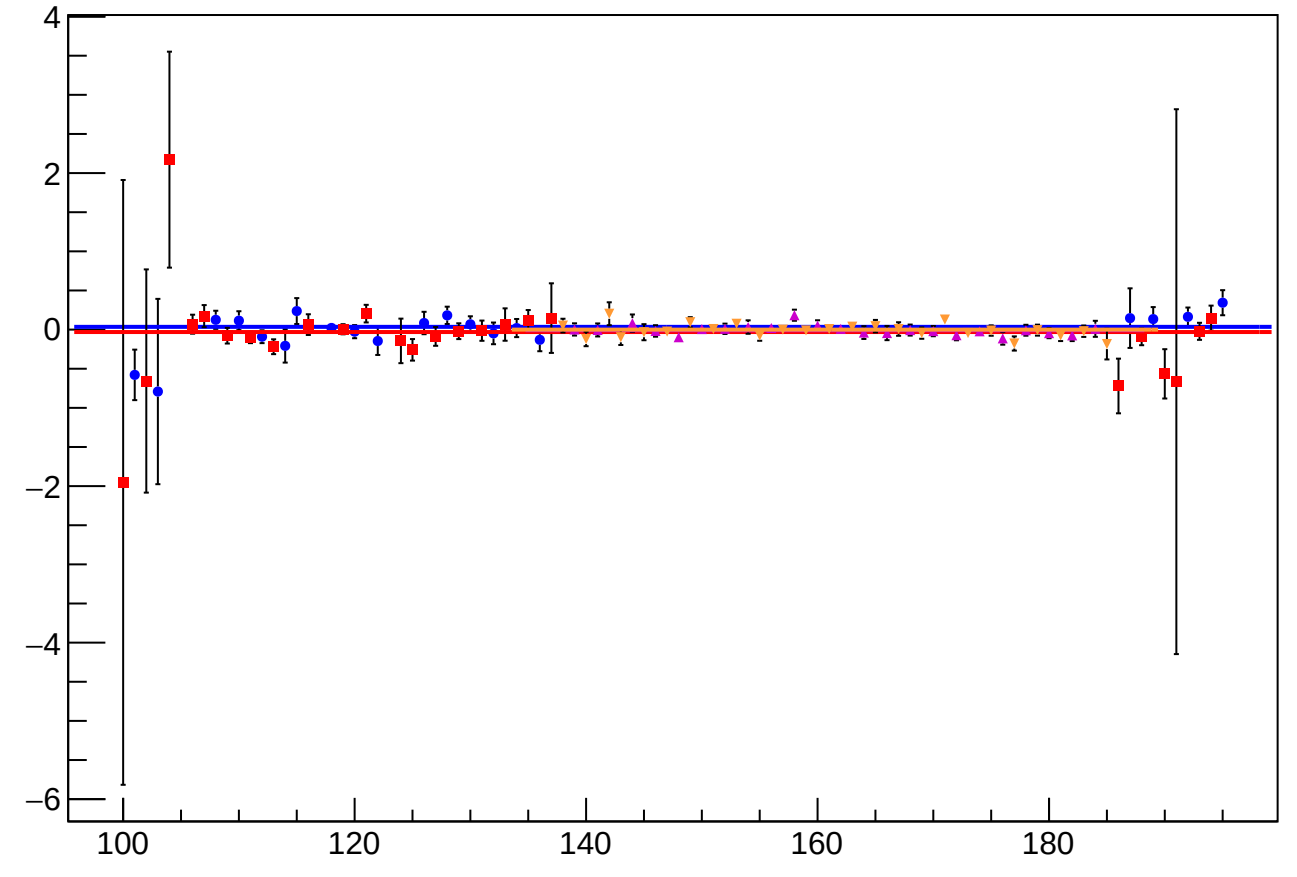
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 4043085.5/44

In: 0.000+/-0.000 χ^2/NDF:7011211.6/42

Out: 0.000+/-0.000 χ^2/NDF:4310036.8/49

All: 0.000+/-0.000 χ^2/NDF: 11579211.8/92



Right In: 0.035+/-0.026 χ^2/NDF: 20.9/19

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.2/24

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

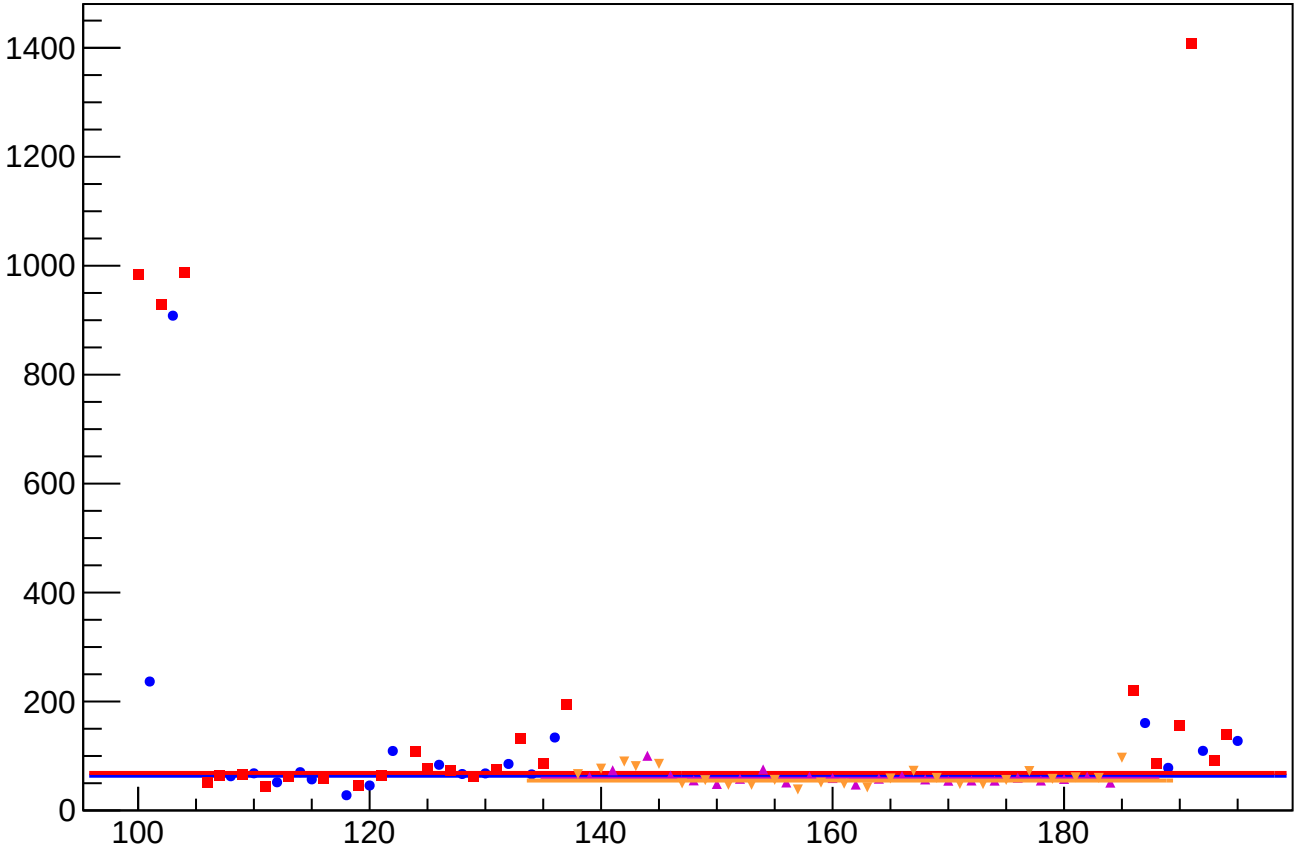
Right: 0.001+/-0.018 χ^2/NDF: 53.4/44

In: 0.002+/-0.013 χ^2/NDF:38.5/42

Out: -0.007+/-0.012 χ^2/NDF:52.9/49

All: -0.003+/-0.009 χ^2/NDF: 91.7/92

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.741+/-0.019 χ^2/NDF: 4097269.0/19

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 68.861+/-0.018 χ^2/NDF: 4099214.1/24

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

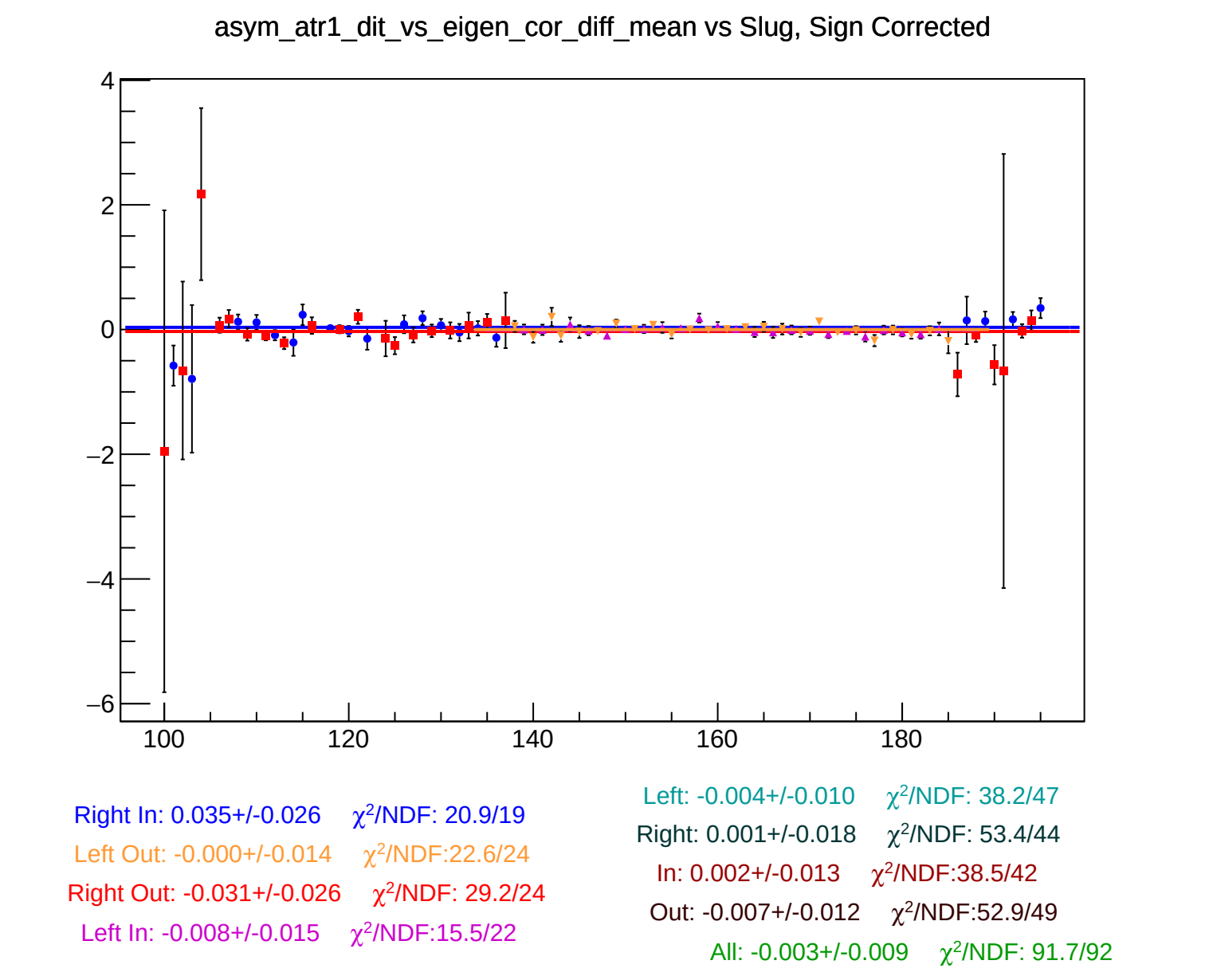
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

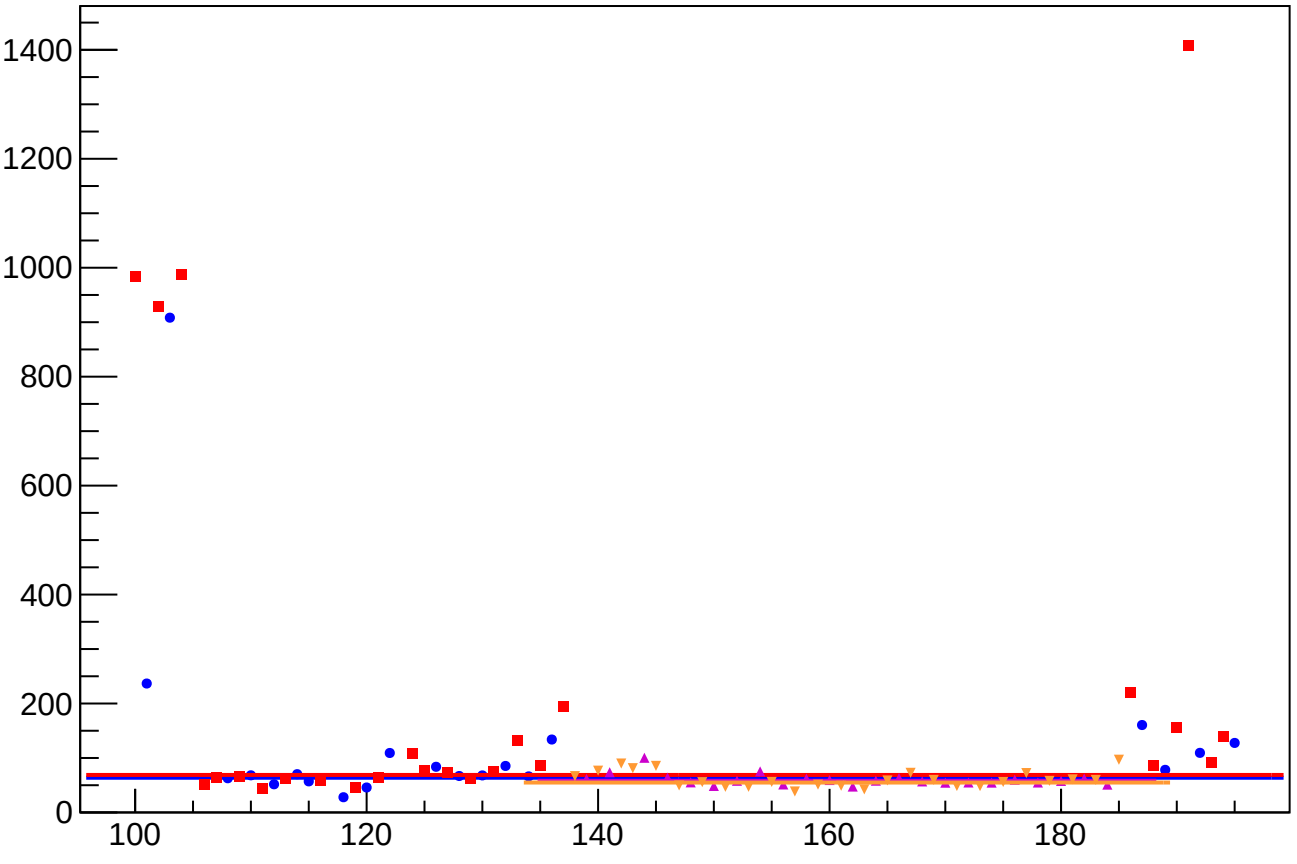
Right: 66.347+/-0.013 χ^2/NDF: 8235170.9/44

In: 59.494+/-0.009 χ^2/NDF:4823744.5/42

Out: 58.133+/-0.009 χ^2/NDF:5846027.1/49

All: 58.784+/-0.006 χ^2/NDF: 10681345.1/92


asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
Right In: 0.035+/-0.026 χ²/NDF: 20.9/19
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.031+/-0.026 χ²/NDF: 29.2/24
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.001+/-0.018 χ²/NDF: 53.4/44
In: 0.002+/-0.013 χ²/NDF:38.5/42
Out: -0.007+/-0.012 χ²/NDF:52.9/49
All: -0.003+/-0.009 χ²/NDF: 91.7/92



Right In: 63.741+/-0.019 χ^2/NDF: 4097269.0/19

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 68.861+/-0.018 χ^2/NDF: 4099214.1/24

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

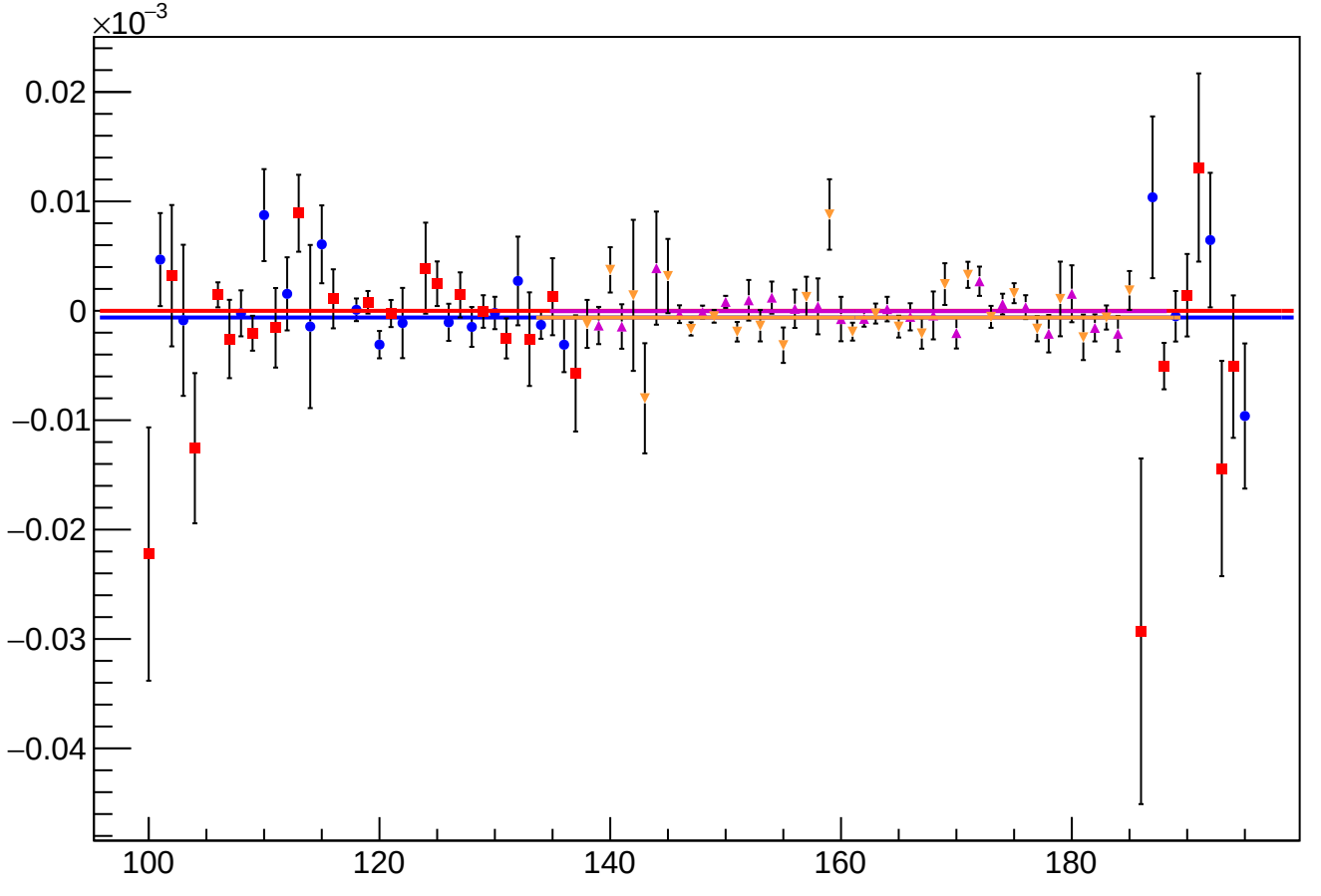
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 66.347+/-0.013 χ^2/NDF: 8235170.9/44

In: 59.494+/-0.009 χ^2/NDF:4823744.5/42

Out: 58.133+/-0.009 χ^2/NDF:5846027.1/49

All: 58.784+/-0.006 χ^2/NDF: 10681345.1/92



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.2/24

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

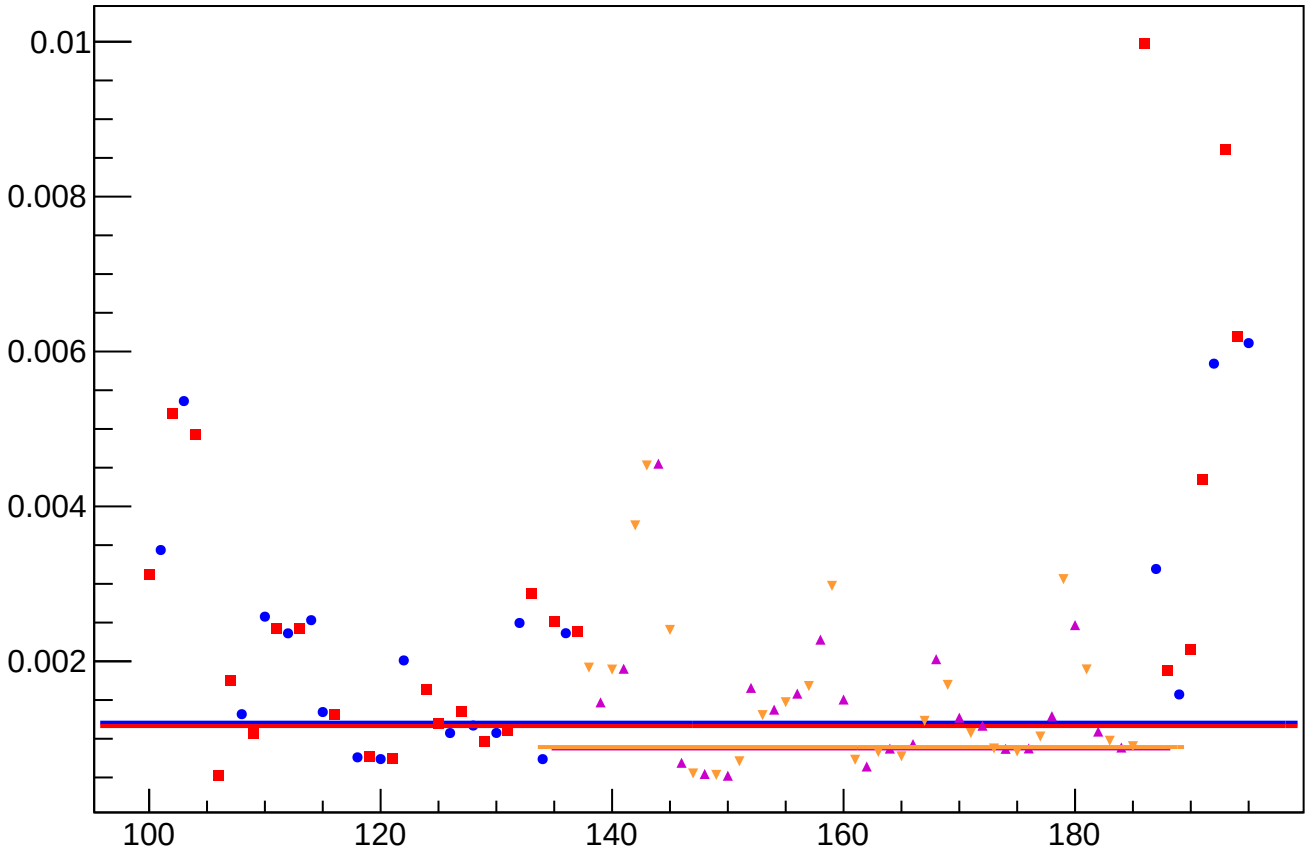
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 62.7/44

In: -0.000+/-0.000 χ^2/NDF:42.0/42

Out: -0.000+/-0.000 χ^2/NDF:93.5/49

All: -0.000+/-0.000 χ^2/NDF: 136.8/92



Right In: 0.001+/-0.000 χ^2/NDF: 5930400.3/19

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7561574.1/24

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

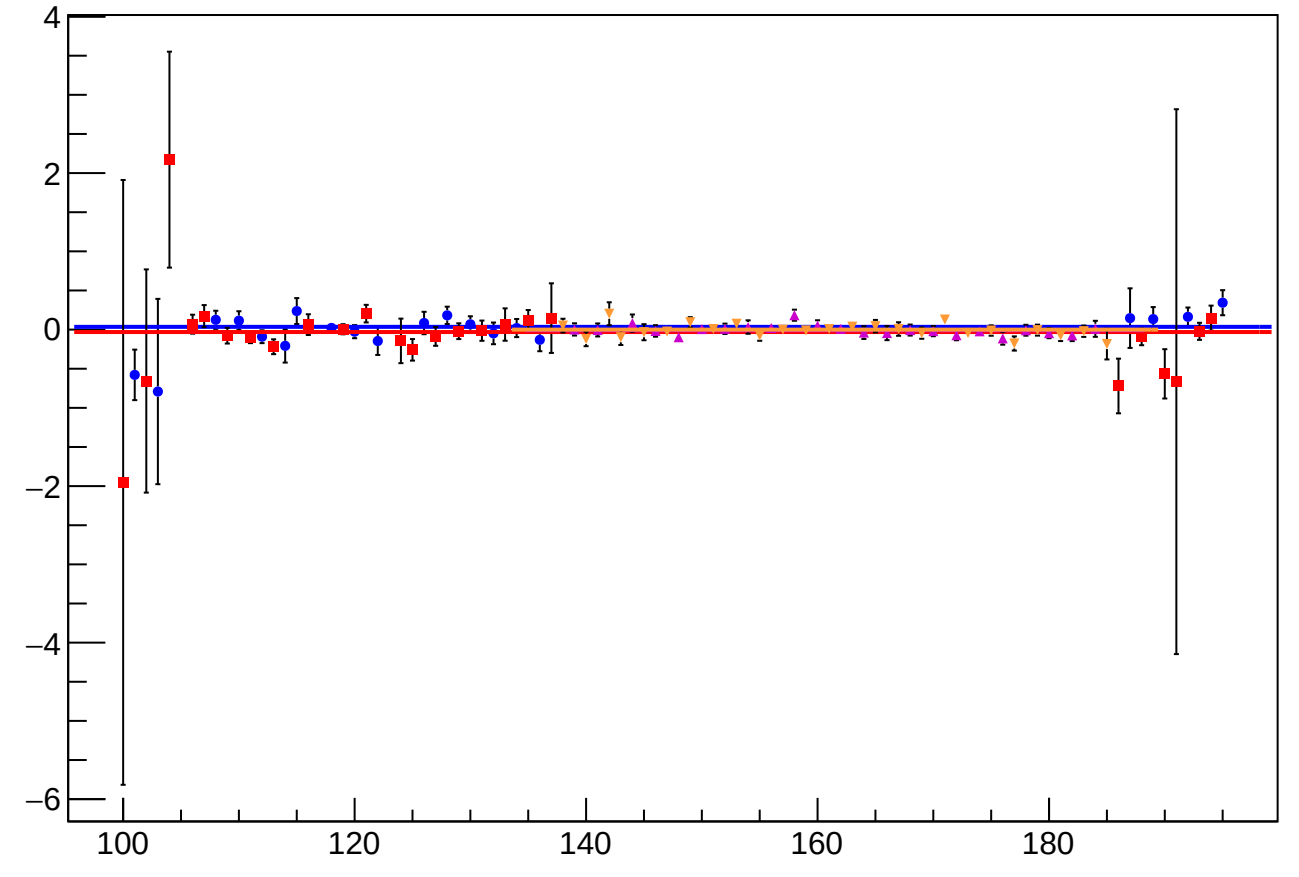
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 13500988.0/44

In: 0.001+/-0.000 χ^2/NDF:13680064.0/42

Out: 0.001+/-0.000 χ^2/NDF:15875234.1/49

All: 0.001+/-0.000 χ^2/NDF: 29557537.7/92



Right In: 0.035+/-0.026 χ^2/NDF: 20.9/19

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.2/24

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

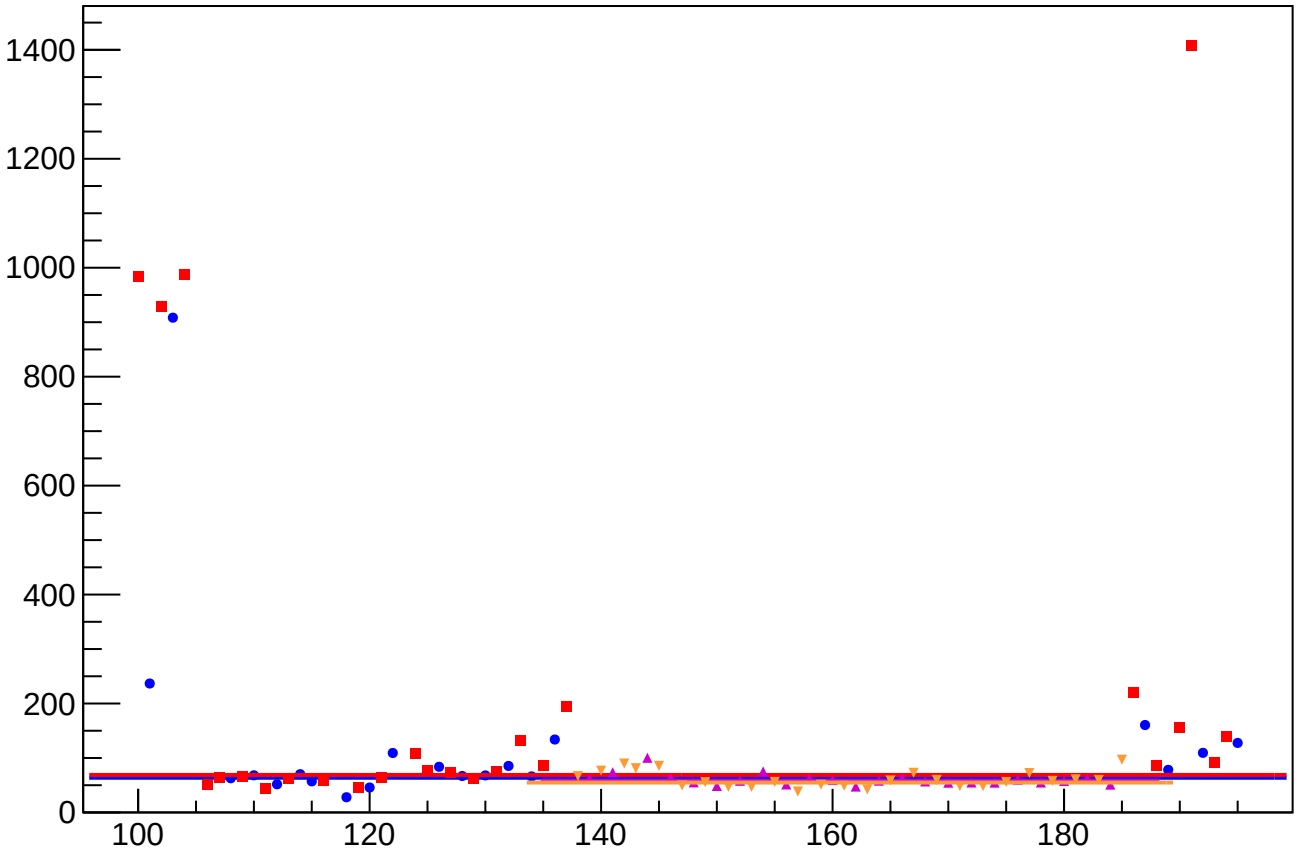
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.001+/-0.018 χ^2/NDF: 53.4/44

In: 0.002+/-0.013 χ^2/NDF:38.5/42

Out: -0.007+/-0.012 χ^2/NDF:52.9/49

All: -0.003+/-0.009 χ^2/NDF: 91.7/92



Right In: 63.741+/-0.019 χ^2/NDF: 4097361.1/19

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 68.861+/-0.018 χ^2/NDF: 4099204.7/24

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

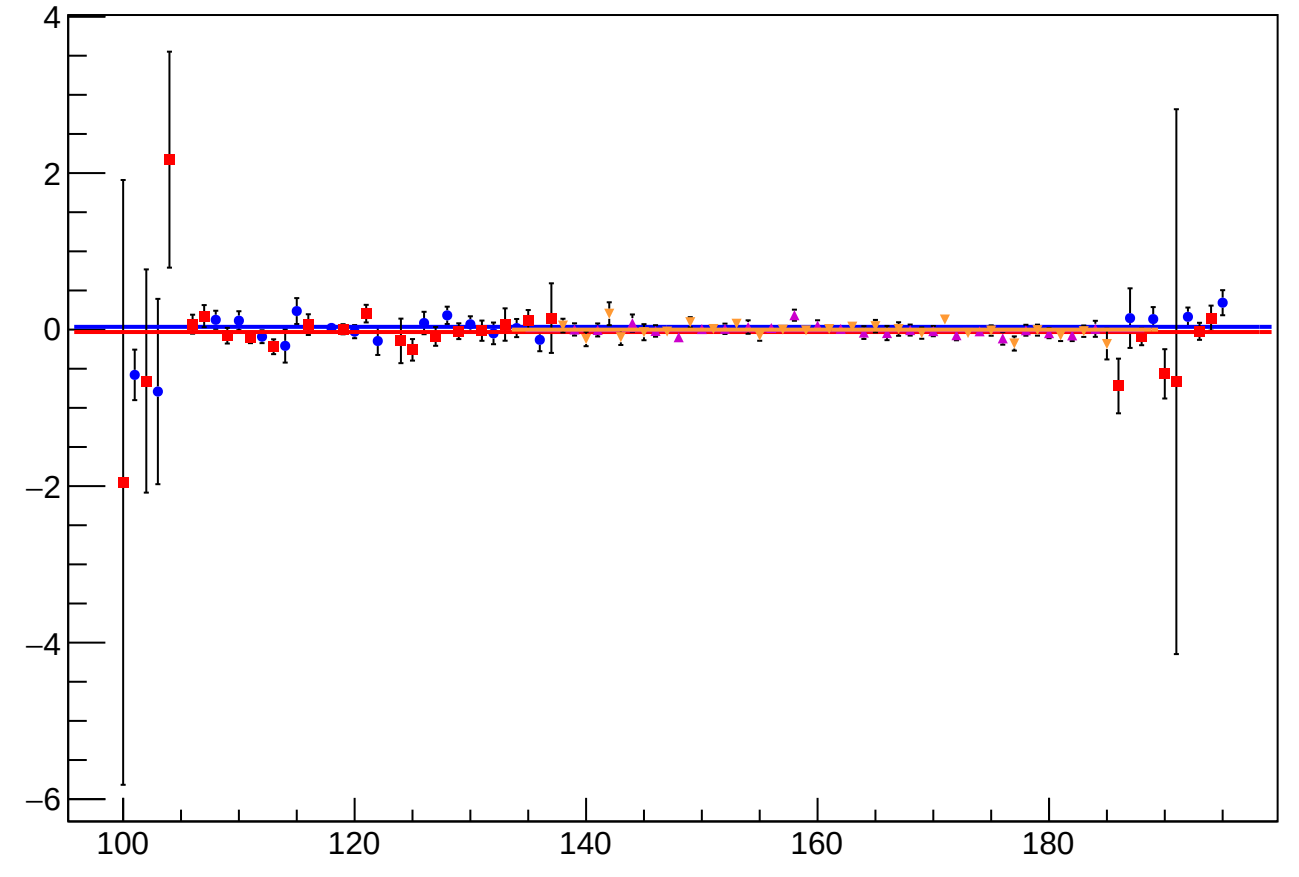
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 66.346+/-0.013 χ^2/NDF: 8235262.6/44

In: 59.494+/-0.009 χ^2/NDF:4823838.6/42

Out: 58.133+/-0.009 χ^2/NDF:5846104.9/49

All: 58.784+/-0.006 χ^2/NDF: 10681521.1/92



Right In: 0.035+/-0.026 χ^2/NDF: 20.9/19

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.2/24

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

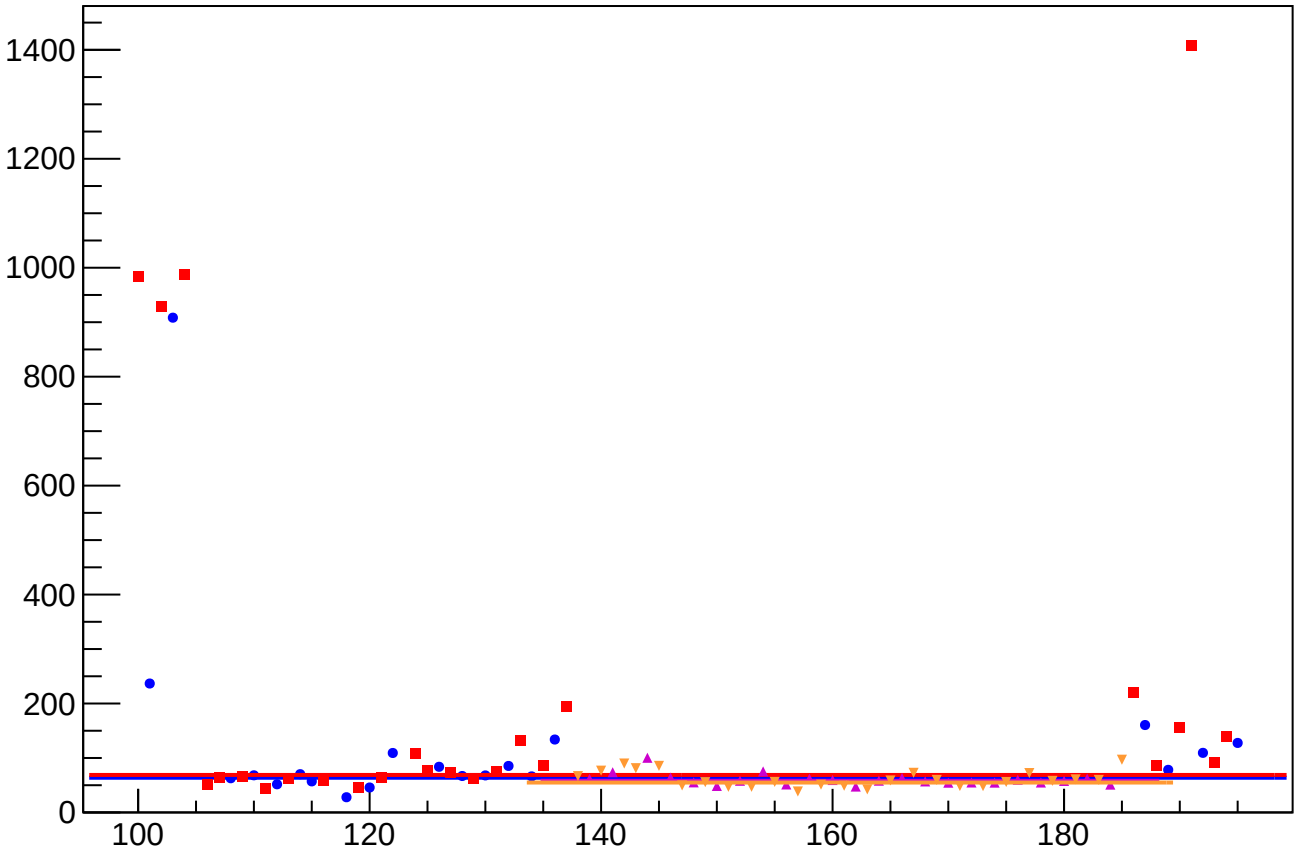
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.001+/-0.018 χ^2/NDF: 53.4/44

In: 0.002+/-0.013 χ^2/NDF:38.5/42

Out: -0.007+/-0.012 χ^2/NDF:52.9/49

All: -0.003+/-0.009 χ^2/NDF: 91.7/92



Right In: 63.741+/-0.019 χ^2/NDF: 4097361.1/19

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 68.861+/-0.018 χ^2/NDF: 4099204.7/24

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

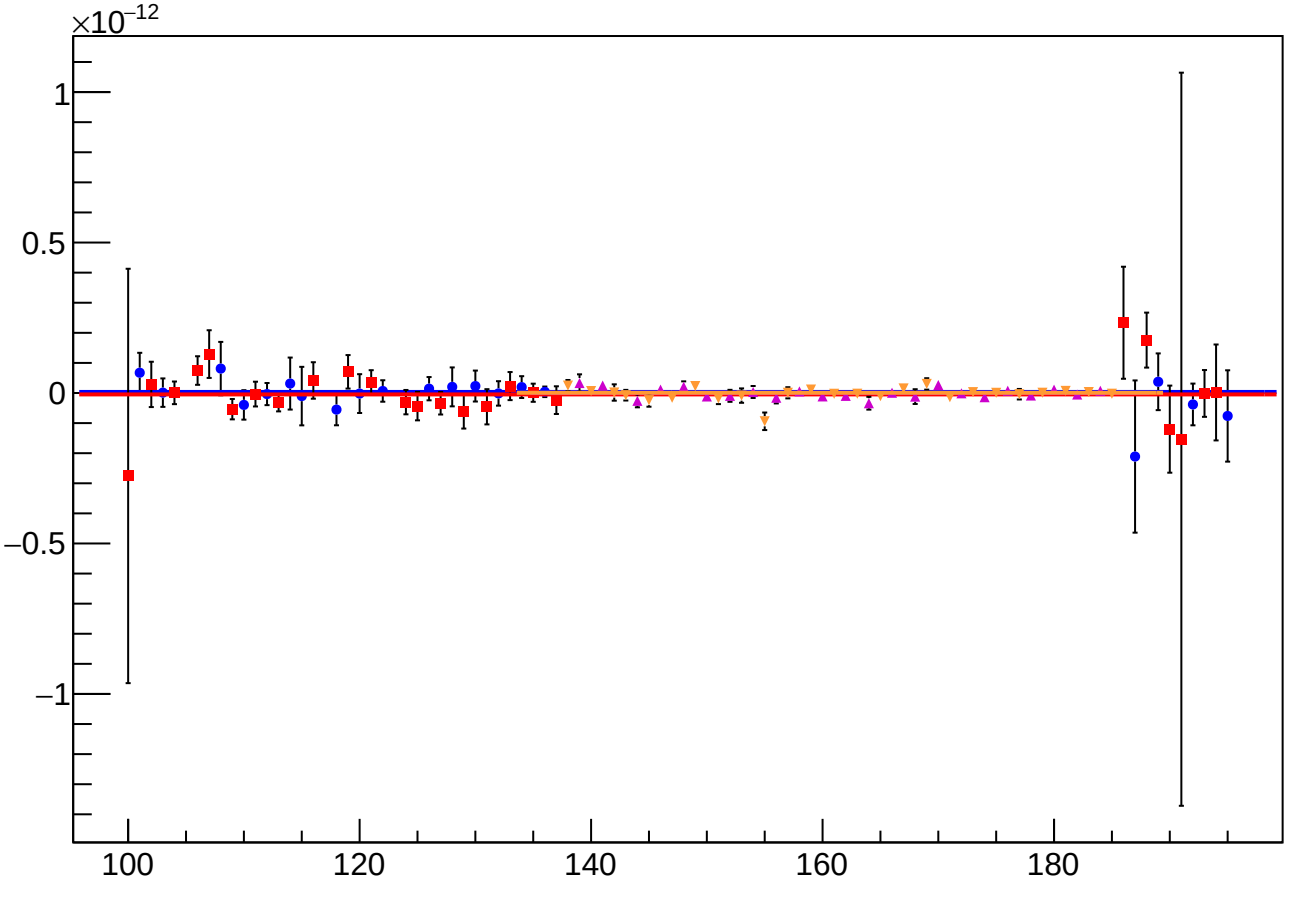
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 66.346+/-0.013 χ^2/NDF: 8235262.6/44

In: 59.494+/-0.009 χ^2/NDF:4823838.6/42

Out: 58.133+/-0.009 χ^2/NDF:5846104.9/49

All: 58.784+/-0.006 χ^2/NDF: 10681521.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 5.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/24

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

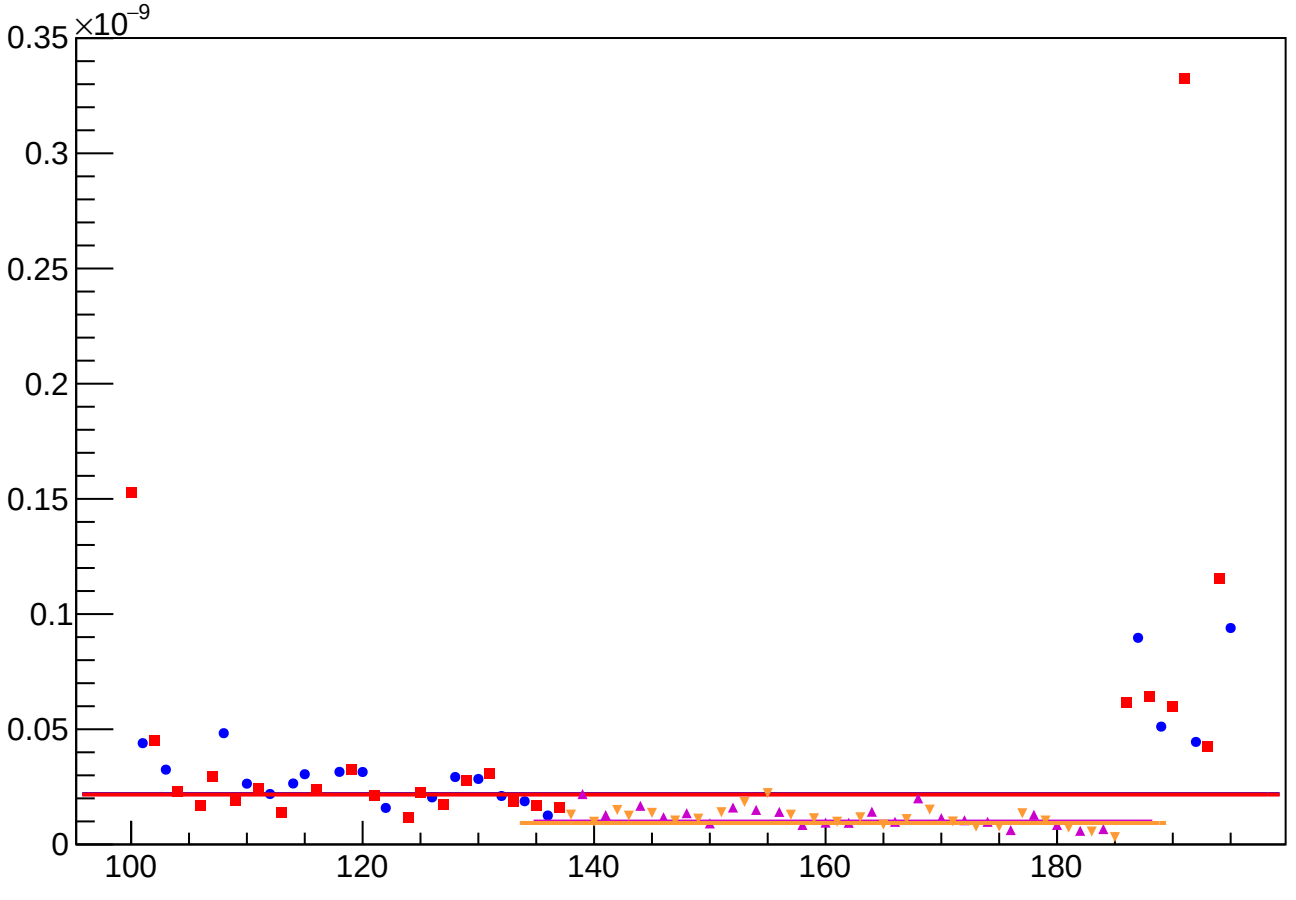
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 28.6/44

In: 0.000+/-0.000 χ^2/NDF:26.2/42

Out: 0.000+/-0.000 χ^2/NDF:48.0/49

All: 0.000+/-0.000 χ^2/NDF: 74.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 2352410.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2494723.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

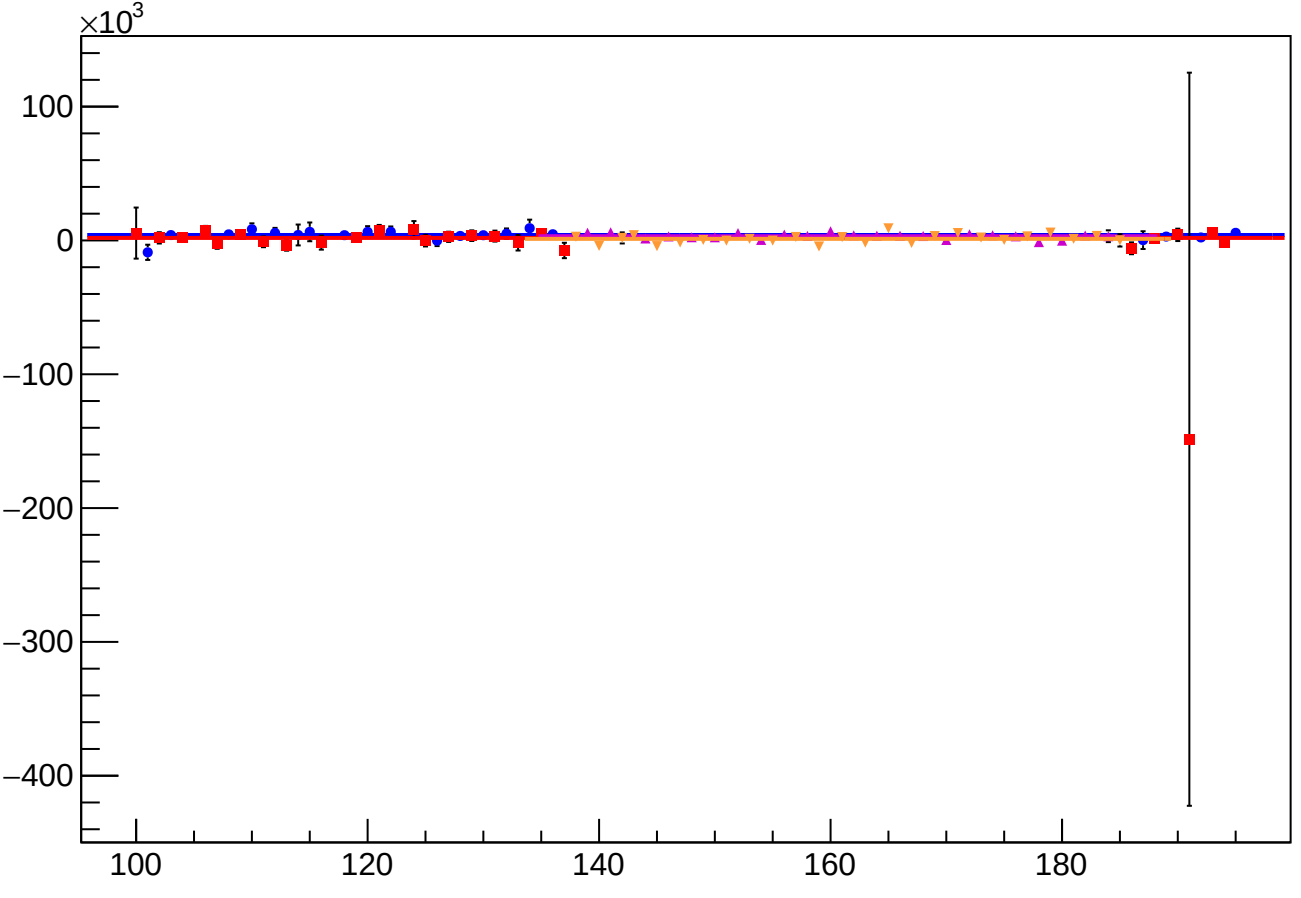
Right: 0.000+/-0.000 χ^2/NDF: 4847468.1/44

In: 0.000+/-0.000 χ^2/NDF:7516191.3/42

Out: 0.000+/-0.000 χ^2/NDF:8447194.7/49

All: 0.000+/-0.000 χ^2/NDF: 16023329.3/92

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4070.474+/-836.553 χ^2/NDF: 10.1/19

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1886.189+/-791.118 χ^2/NDF: 21.8/24

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

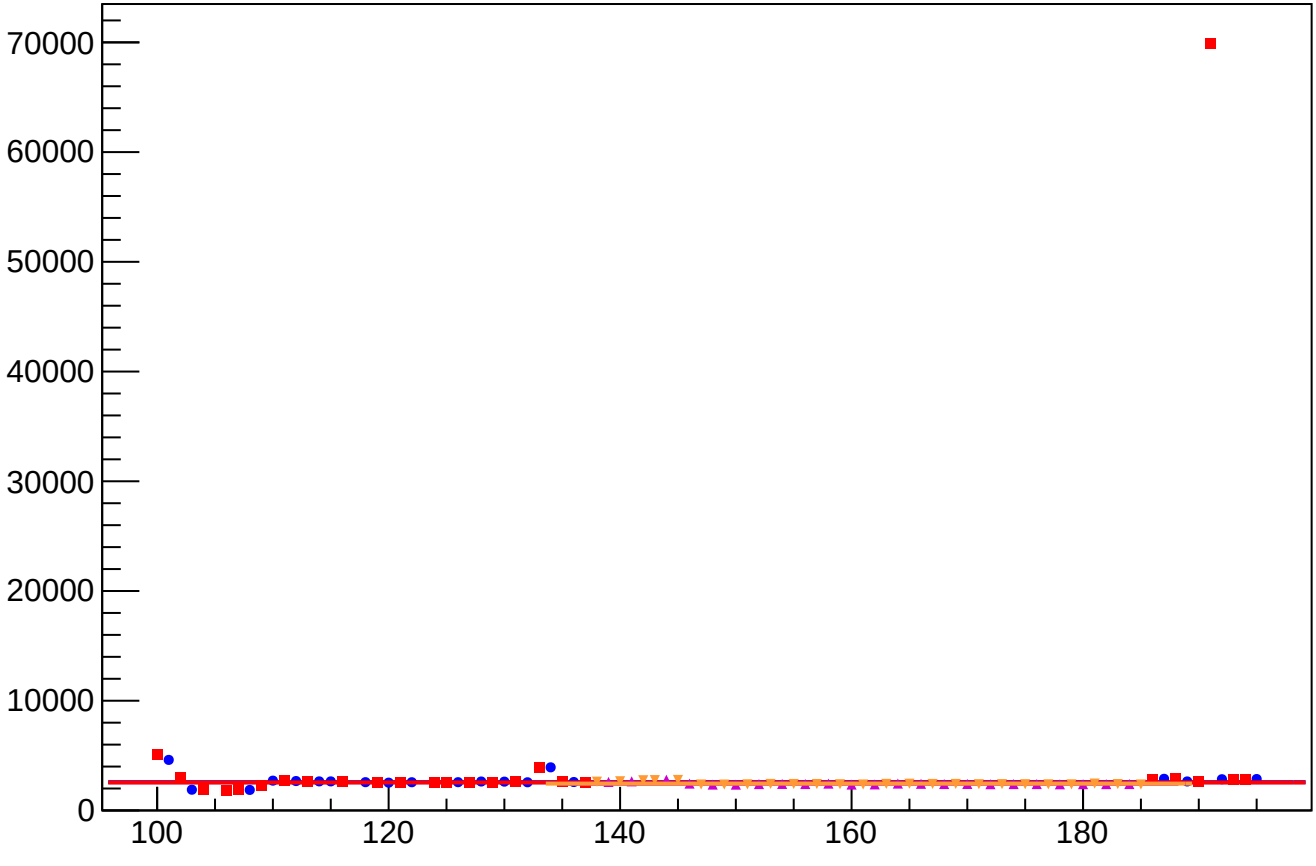
Right: 2917.408+/-574.796 χ^2/NDF: 35.5/44

In: 3439.539+/-470.609 χ^2/NDF:23.6/42

Out: 1419.533+/-455.026 χ^2/NDF:53.4/49

All: 2395.539+/-327.122 χ^2/NDF: 86.5/92

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2576.488+/-0.592 χ^2/NDF: 661787.2/19

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2551.986+/-0.559 χ^2/NDF: 678088.4/24

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

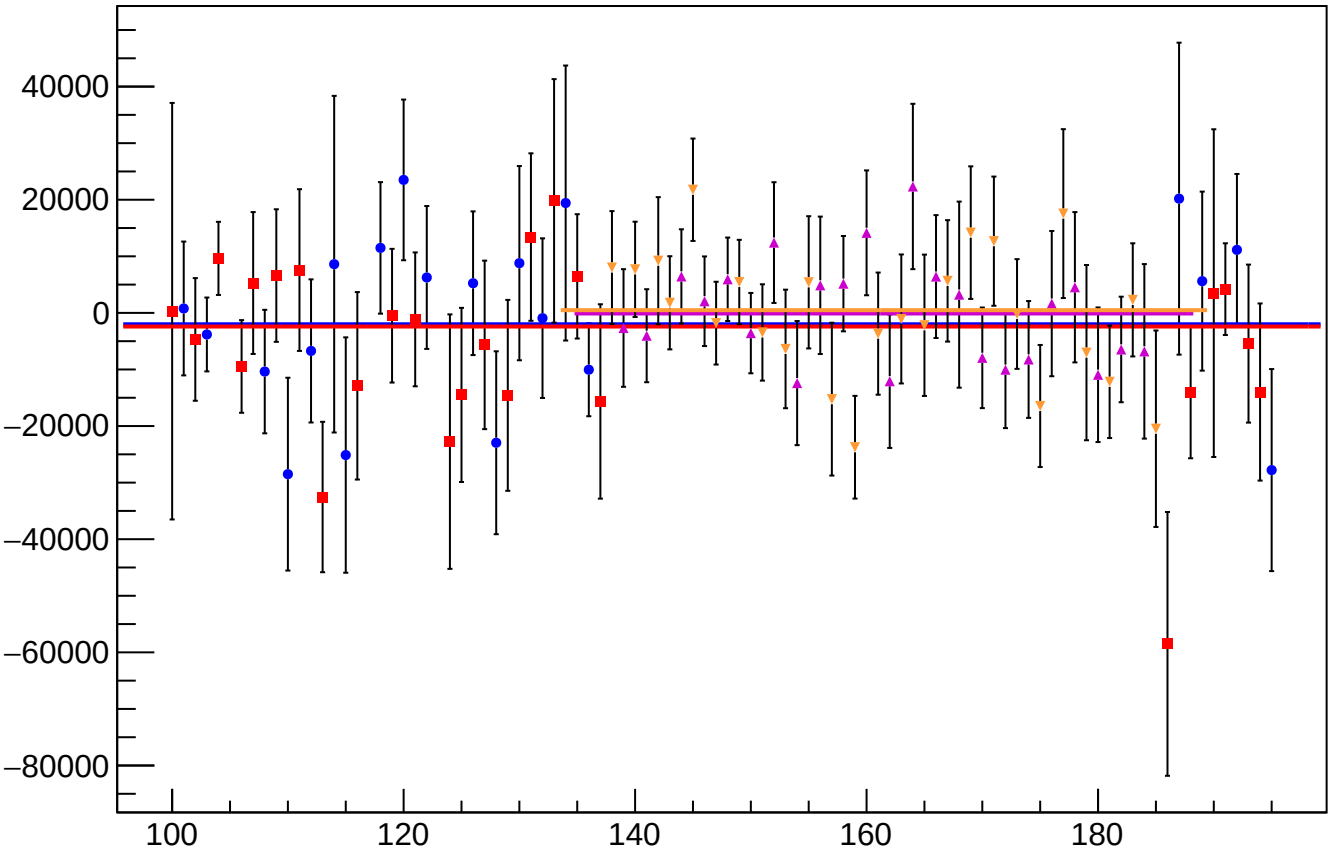
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2563.553+/-0.406 χ^2/NDF: 1340781.4/44

In: 2480.426+/-0.333 χ^2/NDF:759559.3/42

Out: 2480.945+/-0.322 χ^2/NDF:792203.2/49

All: 2480.694+/-0.231 χ^2/NDF: 1551763.7/92



Right In: -2009.660+/-2890.116 χ^2/NDF: 17.7/19

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2409.774+/-2518.534 χ^2/NDF: 24.8/24

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

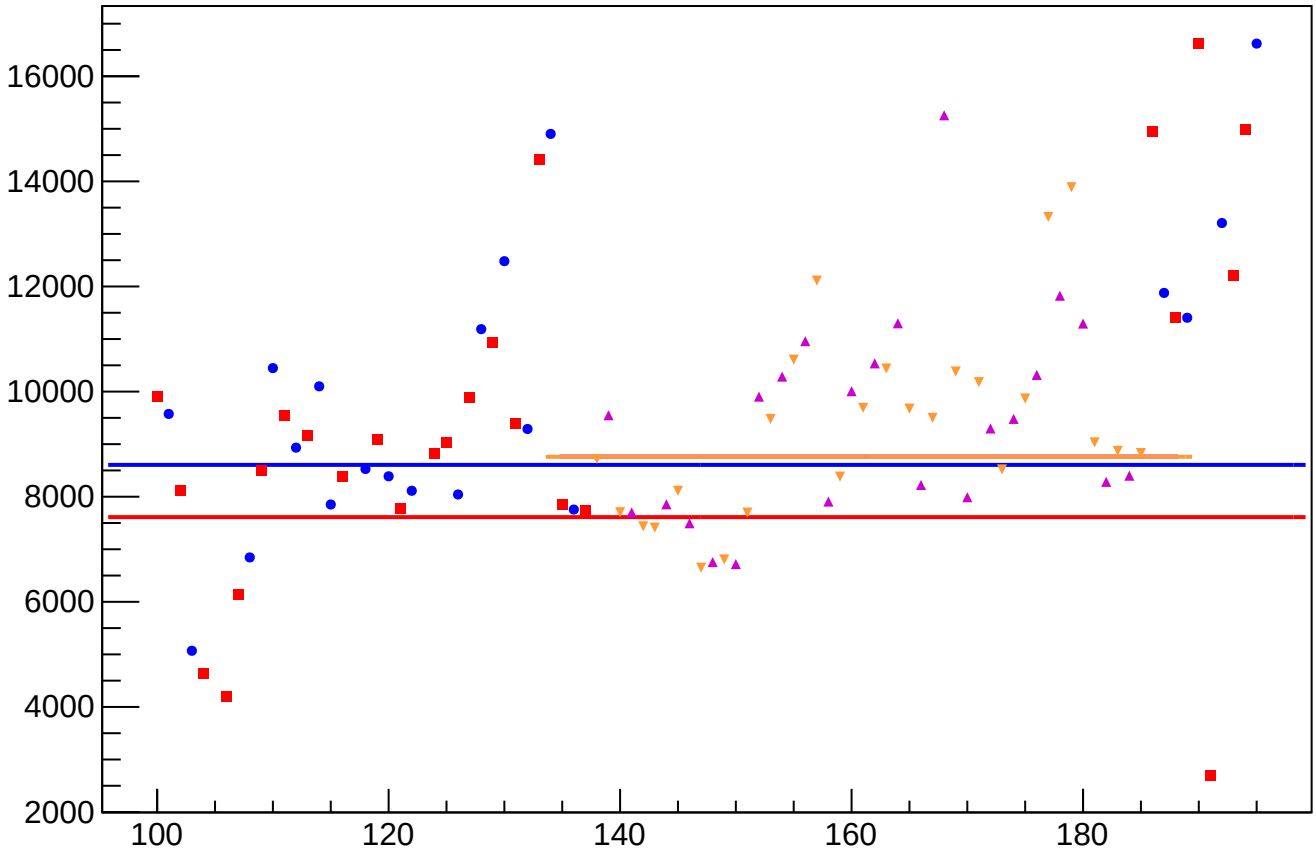
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2237.076+/-1898.745 χ^2/NDF: 42.5/44

In: -759.362+/-1694.048 χ^2/NDF:32.5/42

Out: -663.806+/-1583.320 χ^2/NDF:53.0/49

All: -708.359+/-1156.742 χ^2/NDF: 85.5/92



Right In: 8605.652+/-2.044 χ^2/NDF: 1735091.2/19

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7611.668+/-1.781 χ^2/NDF: 3298814.5/24

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

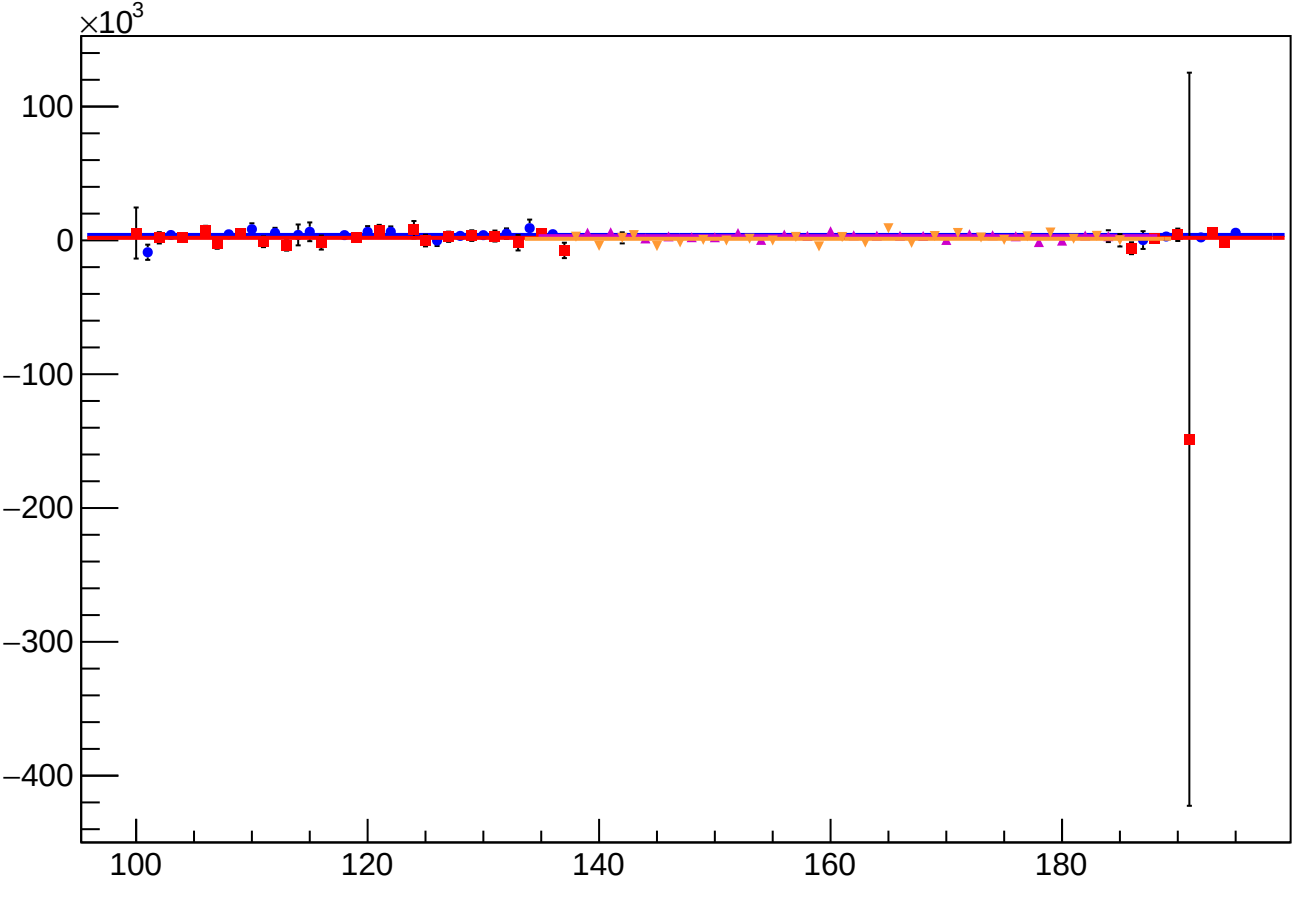
Right: 8040.692+/-1.343 χ^2/NDF: 5168366.8/44

In: 8709.686+/-1.198 χ^2/NDF:3030738.1/42

Out: 8305.931+/-1.120 χ^2/NDF:4772350.8/49

All: 8494.183+/-0.818 χ^2/NDF: 7863727.6/92

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4070.157+/-836.553 χ^2/NDF: 10.1/19

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1886.663+/-791.123 χ^2/NDF: 21.8/24

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

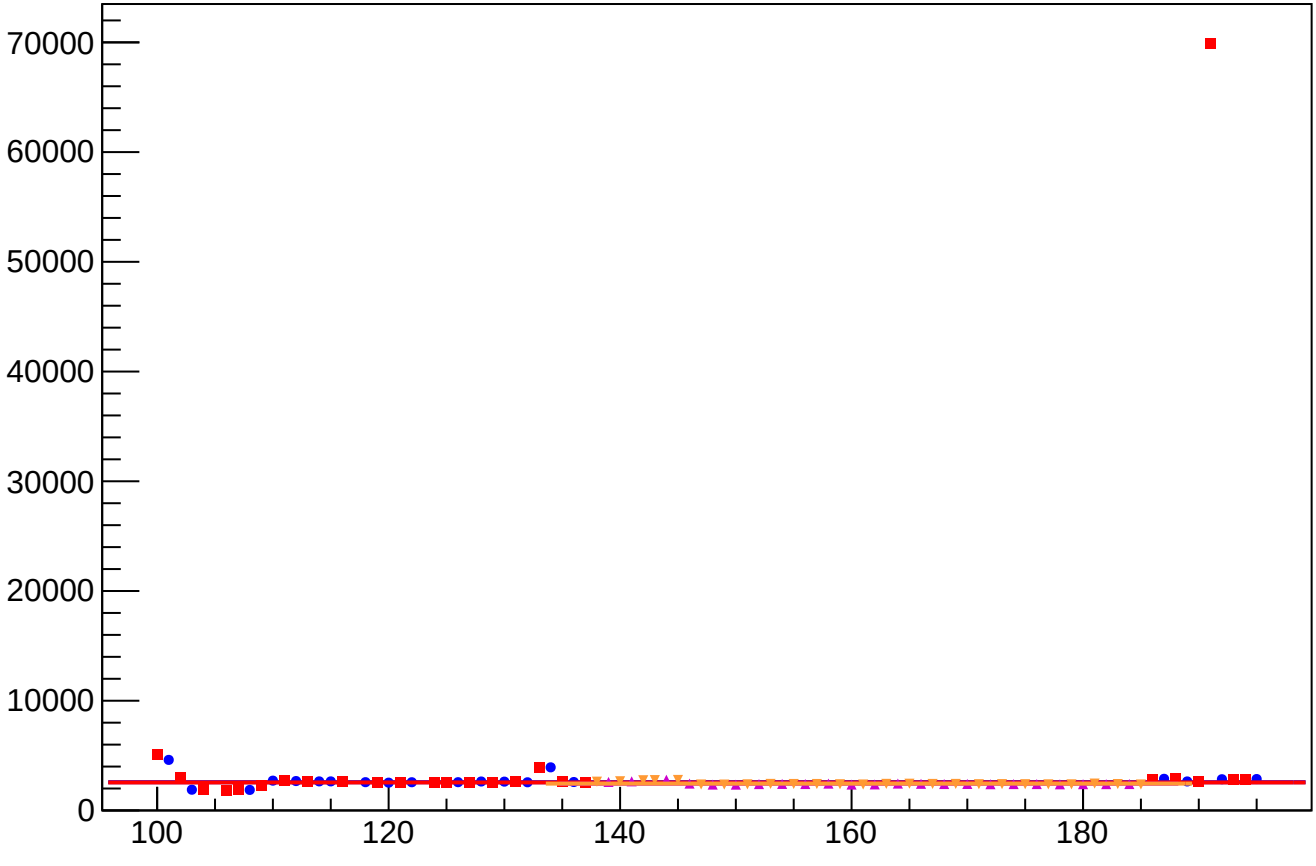
Right: 2917.514+/-574.798 χ^2/NDF: 35.5/44

In: 3439.304+/-470.609 χ^2/NDF:23.6/42

Out: 1419.574+/-455.026 χ^2/NDF:53.5/49

All: 2395.448+/-327.122 χ^2/NDF: 86.5/92

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2576.489+/-0.592 χ^2/NDF: 661784.7/19

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2552.005+/-0.559 χ^2/NDF: 678021.9/24

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

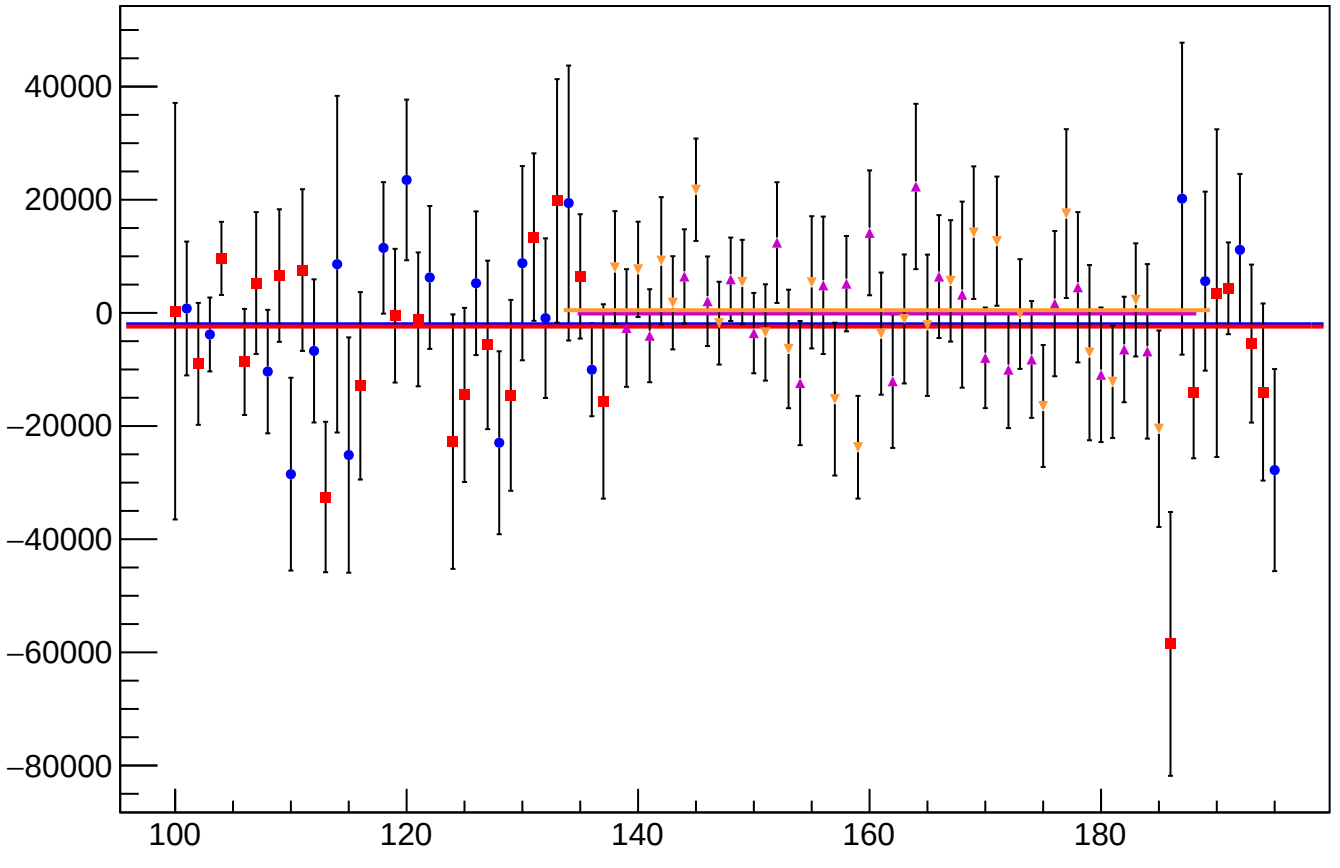
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2563.564+/-0.406 χ^2/NDF: 1340711.0/44

In: 2480.426+/-0.333 χ^2/NDF:759557.2/42

Out: 2480.951+/-0.322 χ^2/NDF:792145.1/49

All: 2480.698+/-0.231 χ^2/NDF: 1551703.6/92



Right In: -2009.401+/-2890.189 χ^2/NDF: 17.7/19

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2418.180+/-2546.583 χ^2/NDF: 24.9/24

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

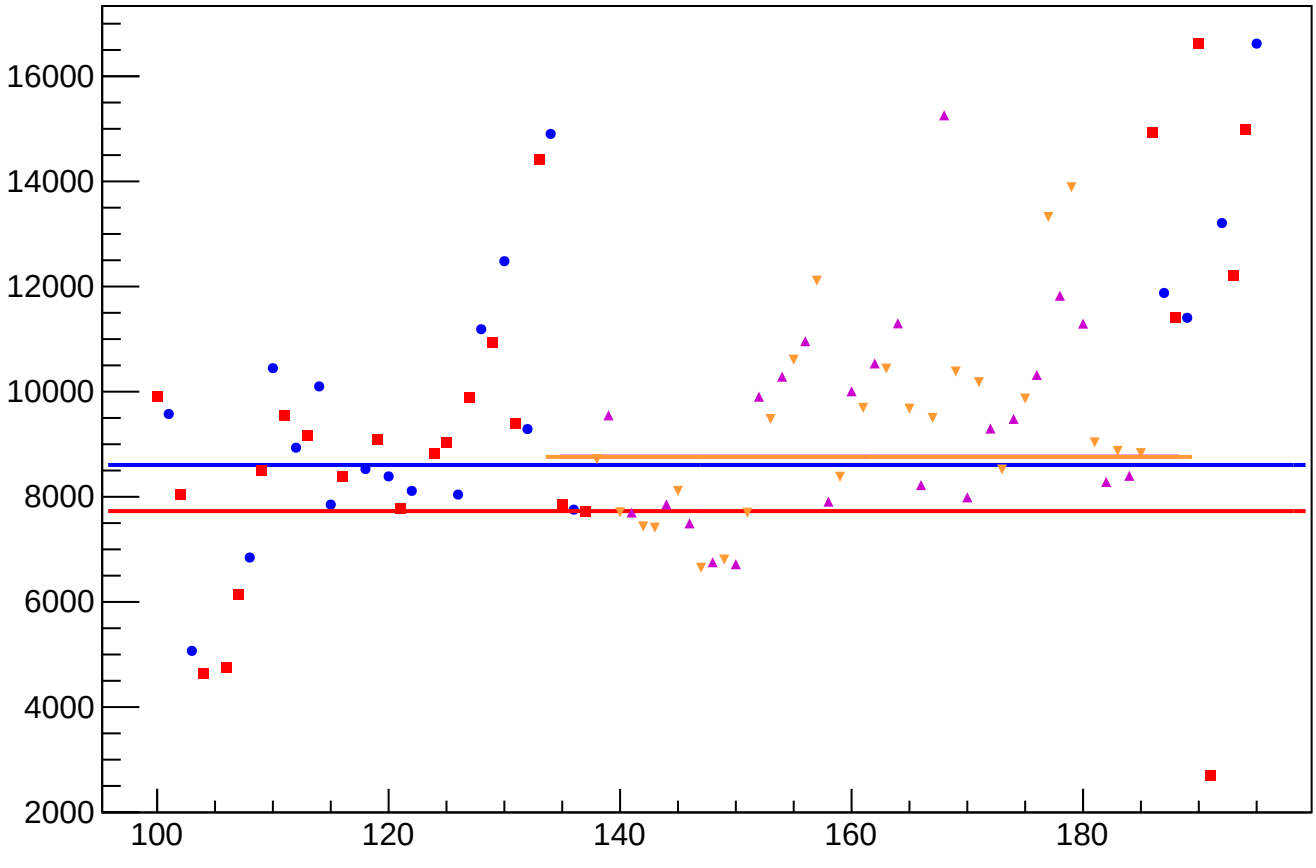
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2239.523+/-1910.699 χ^2/NDF: 42.6/44

In: -759.298+/-1694.062 χ^2/NDF:32.5/42

Out: -651.826+/-1590.219 χ^2/NDF:53.1/49

All: -702.167+/-1159.428 χ^2/NDF: 85.6/92



Right In: 8605.969+/-2.044 χ^2/NDF: 1734701.4/19

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7728.111+/-1.801 χ^2/NDF: 3129697.0/24

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

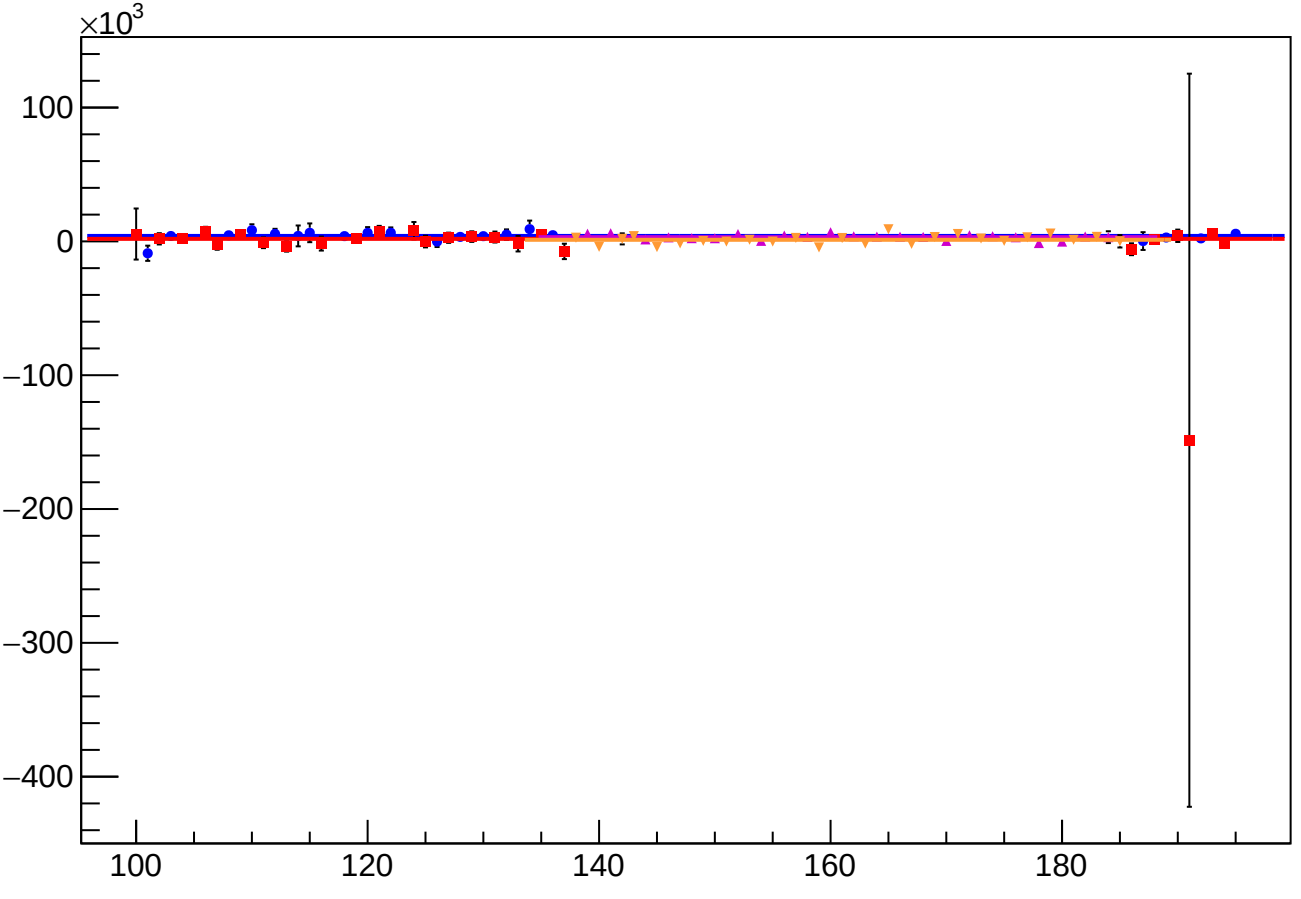
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8111.779+/-1.351 χ^2/NDF: 4968270.0/44

In: 8709.794+/-1.198 χ^2/NDF:3030333.4/42

Out: 8357.395+/-1.124 χ^2/NDF:4552134.1/49

All: 8522.463+/-0.820 χ^2/NDF: 7628473.4/92



Right In: 4070.157+/-836.553 χ^2/NDF: 10.1/19

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1886.663+/-791.123 χ^2/NDF: 21.8/24

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

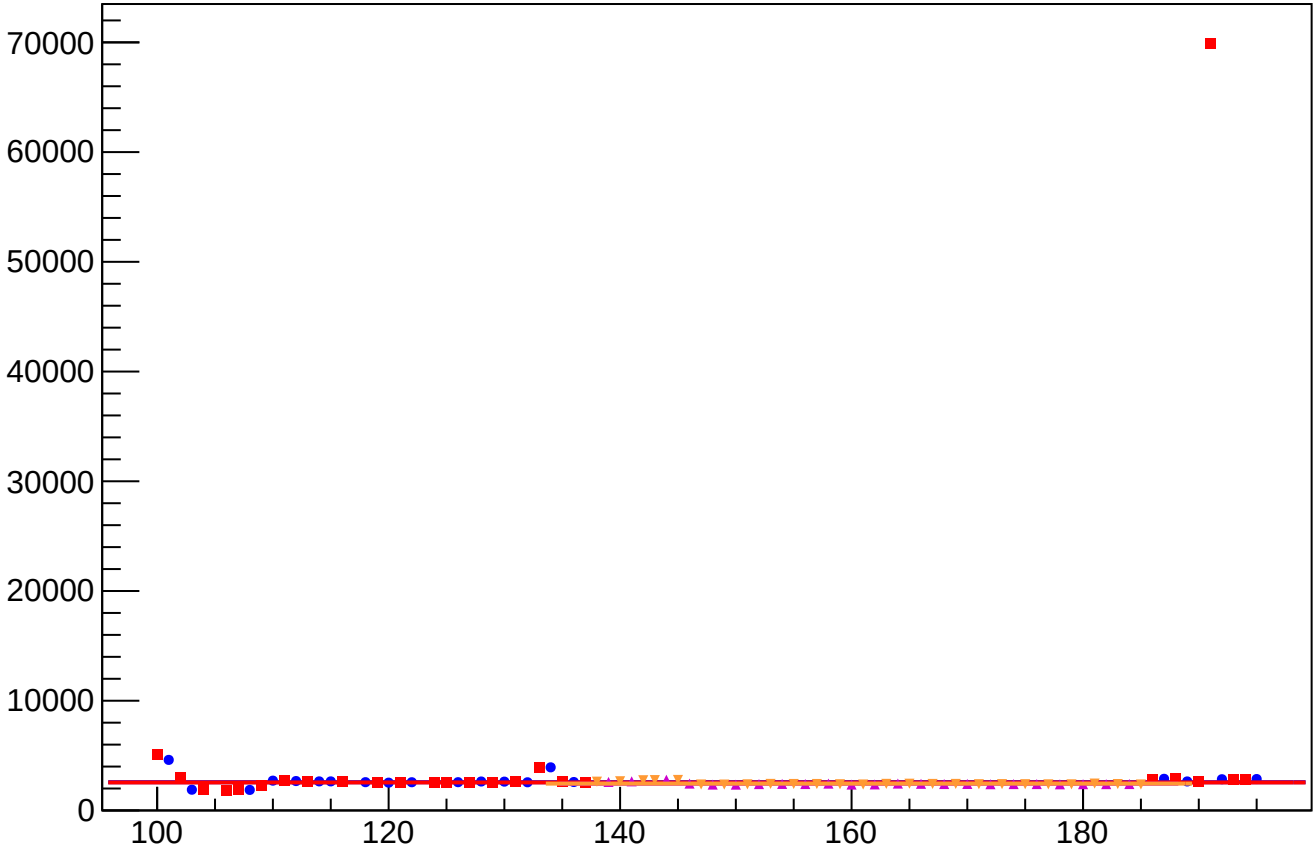
Right: 2917.514+/-574.798 χ^2/NDF: 35.5/44

In: 3439.304+/-470.609 χ^2/NDF:23.6/42

Out: 1419.574+/-455.026 χ^2/NDF:53.5/49

All: 2395.448+/-327.122 χ^2/NDF: 86.5/92

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2576.489+/-0.592 χ^2/NDF: 661784.7/19

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2552.005+/-0.559 χ^2/NDF: 678021.9/24

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

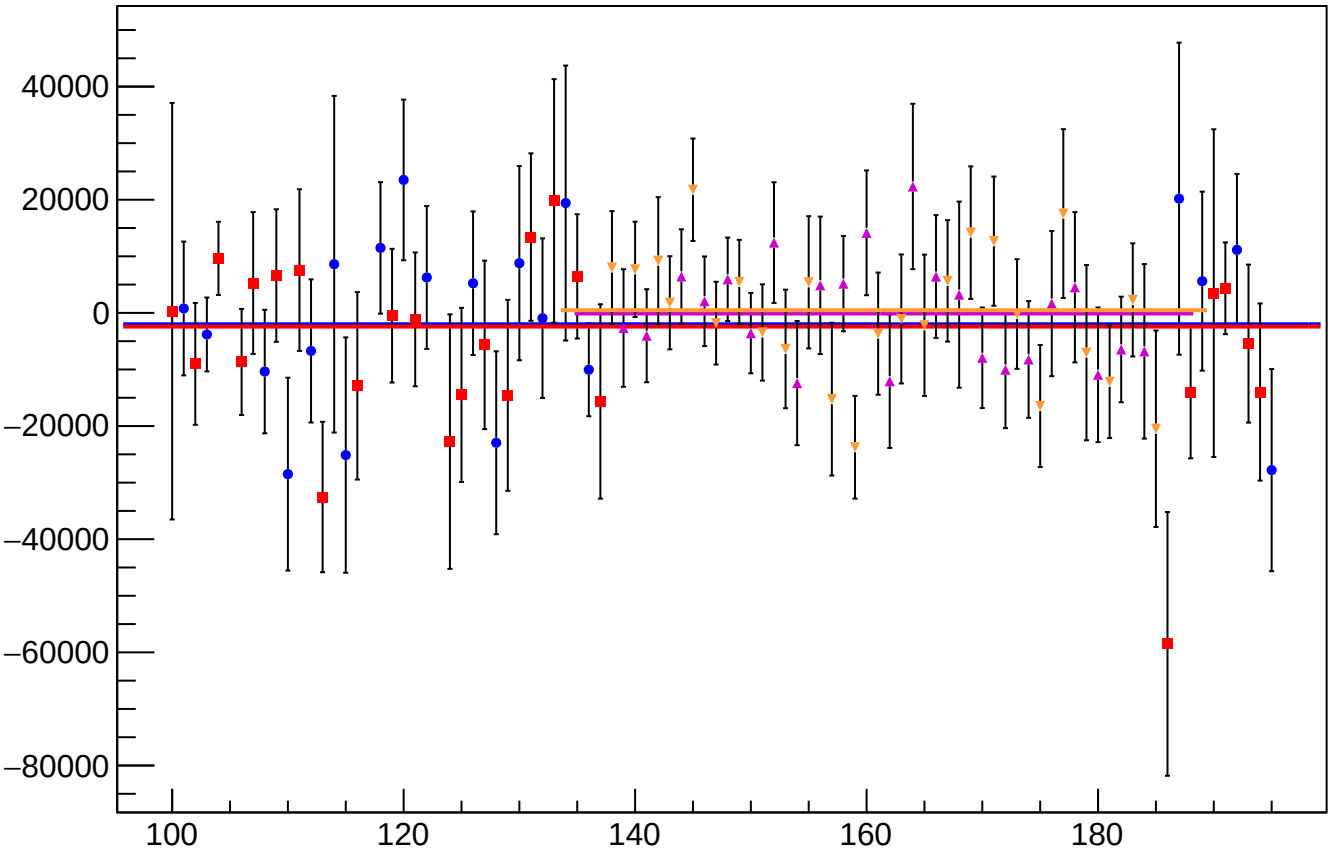
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2563.564+/-0.406 χ^2/NDF: 1340711.0/44

In: 2480.426+/-0.333 χ^2/NDF:759557.2/42

Out: 2480.951+/-0.322 χ^2/NDF:792145.1/49

All: 2480.698+/-0.231 χ^2/NDF: 1551703.6/92



Right In: -2009.401+/-2890.189 χ^2/NDF: 17.7/19

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2418.180+/-2546.583 χ^2/NDF: 24.9/24

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

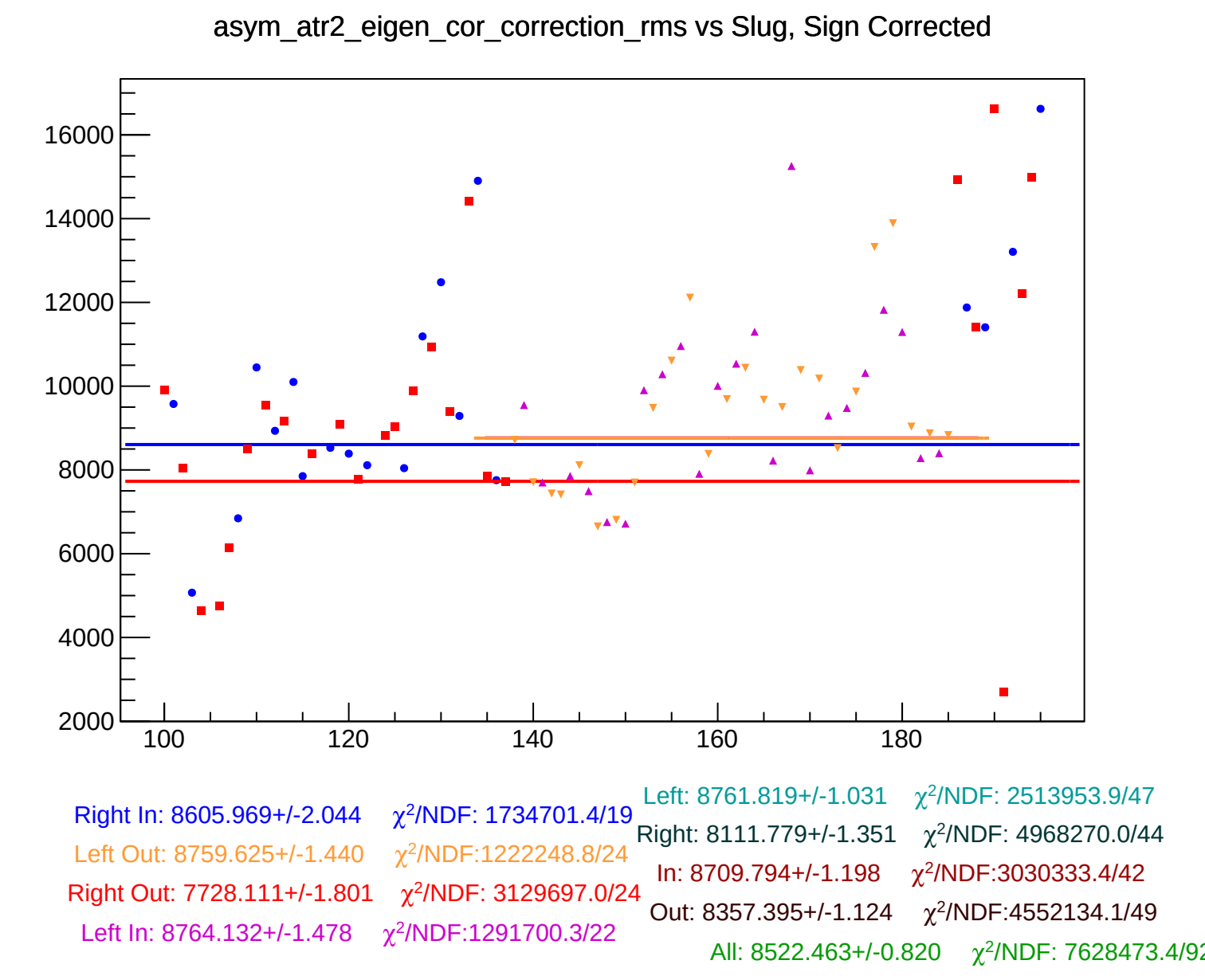
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

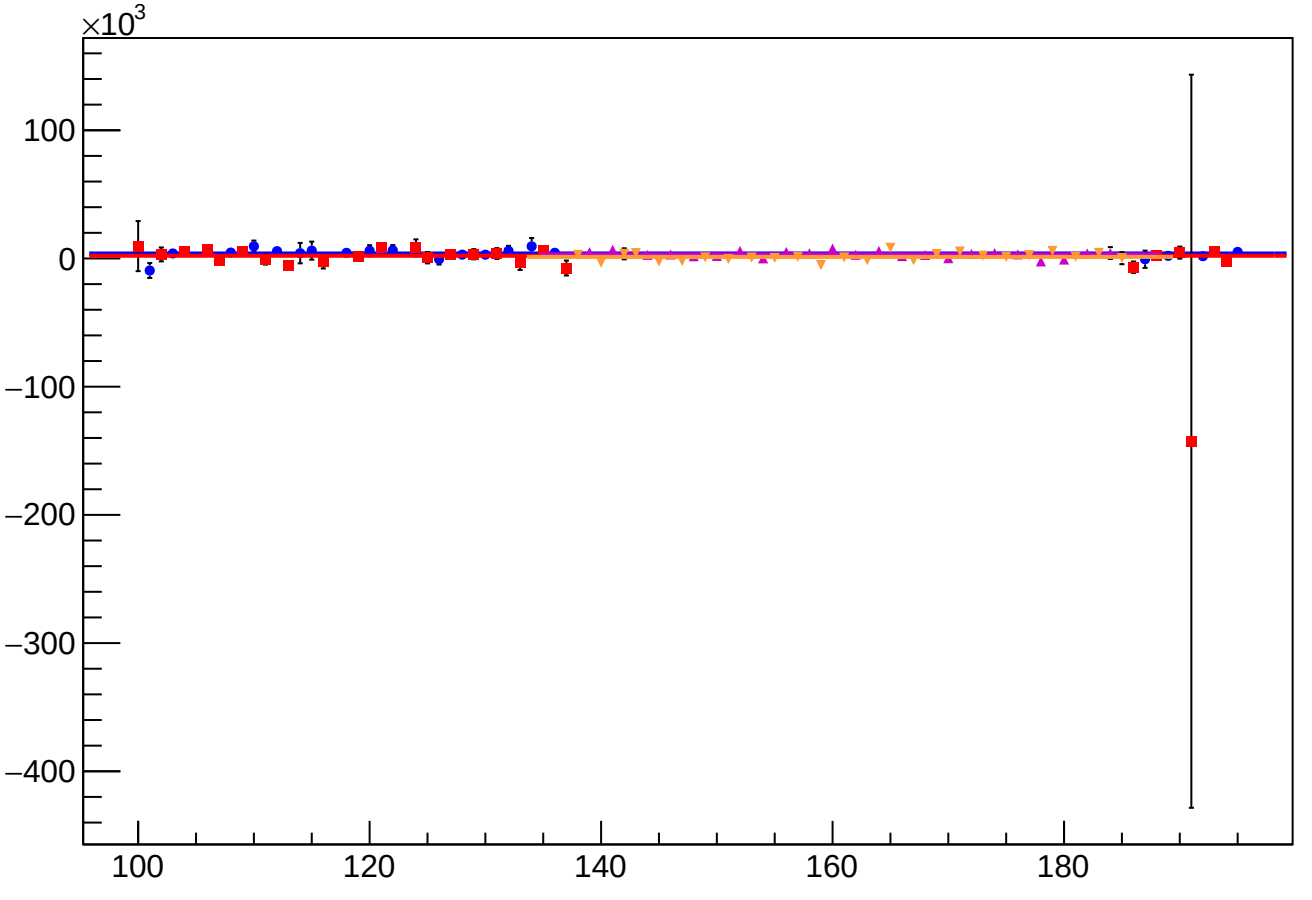
Right: -2239.523+/-1910.699 χ^2/NDF: 42.6/44

In: -759.298+/-1694.062 χ^2/NDF:32.5/42

Out: -651.826+/-1590.219 χ^2/NDF:53.1/49

All: -702.167+/-1159.428 χ^2/NDF: 85.6/92


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 8605.969+/-2.044 χ²/NDF: 1734701.4/19
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 7728.111+/-1.801 χ²/NDF: 3129697.0/24
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 8111.779+/-1.351 χ²/NDF: 4968270.0/44
In: 8709.794+/-1.198 χ²/NDF:3030333.4/42
Out: 8357.395+/-1.124 χ²/NDF:4552134.1/49
All: 8522.463+/-0.820 χ²/NDF: 7628473.4/92



Right In: 3907.540+/-866.651 χ^2/NDF: 11.5/19

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 2118.568+/-821.100 χ^2/NDF: 25.4/24

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

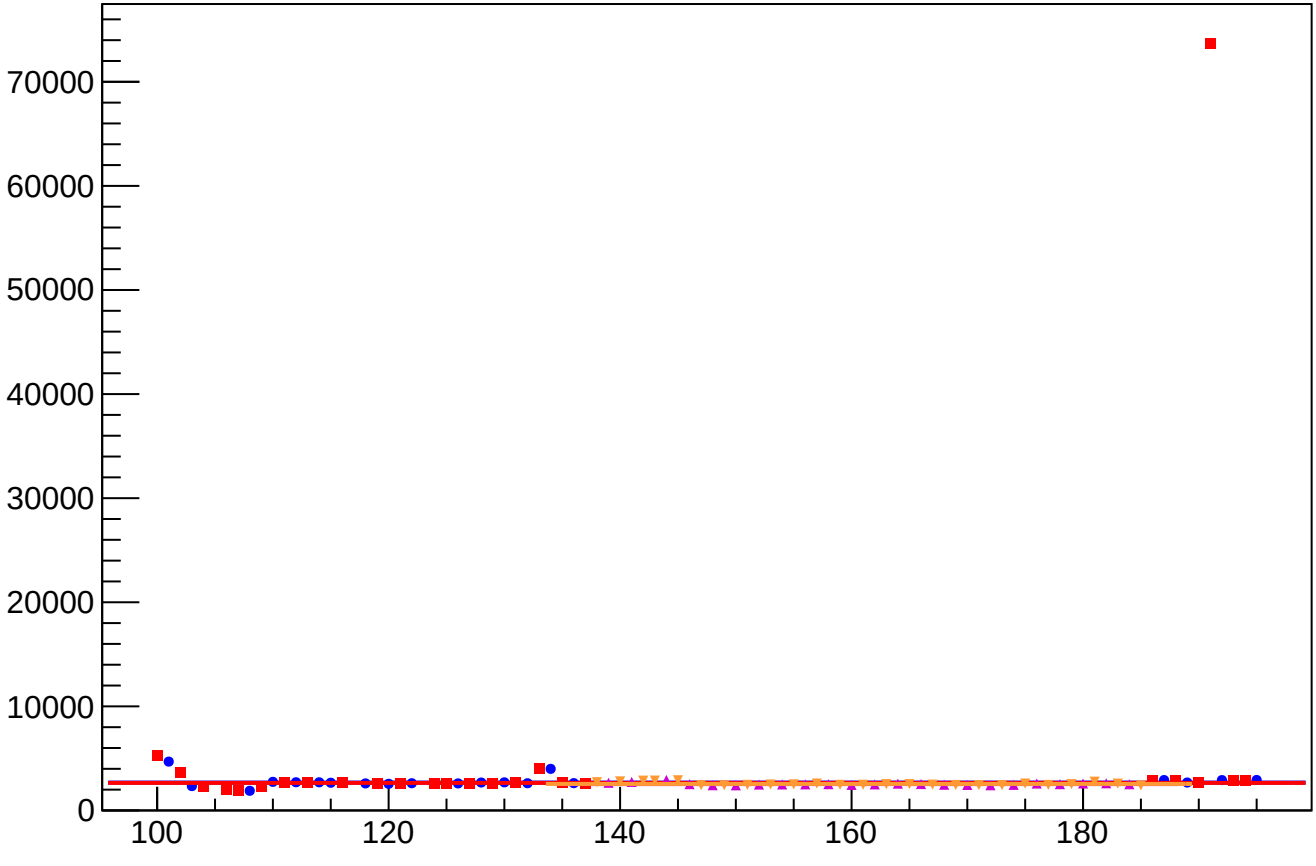
Right: 2964.806+/-596.058 χ^2/NDF: 39.2/44

In: 3391.261+/-488.903 χ^2/NDF:28.5/42

Out: 1514.808+/-473.565 χ^2/NDF:53.0/49

All: 2423.139+/-340.154 χ^2/NDF: 89.2/92

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2678.324+/-0.613 χ^2/NDF: 520909.3/19

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2647.735+/-0.580 χ^2/NDF: 588703.3/24

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

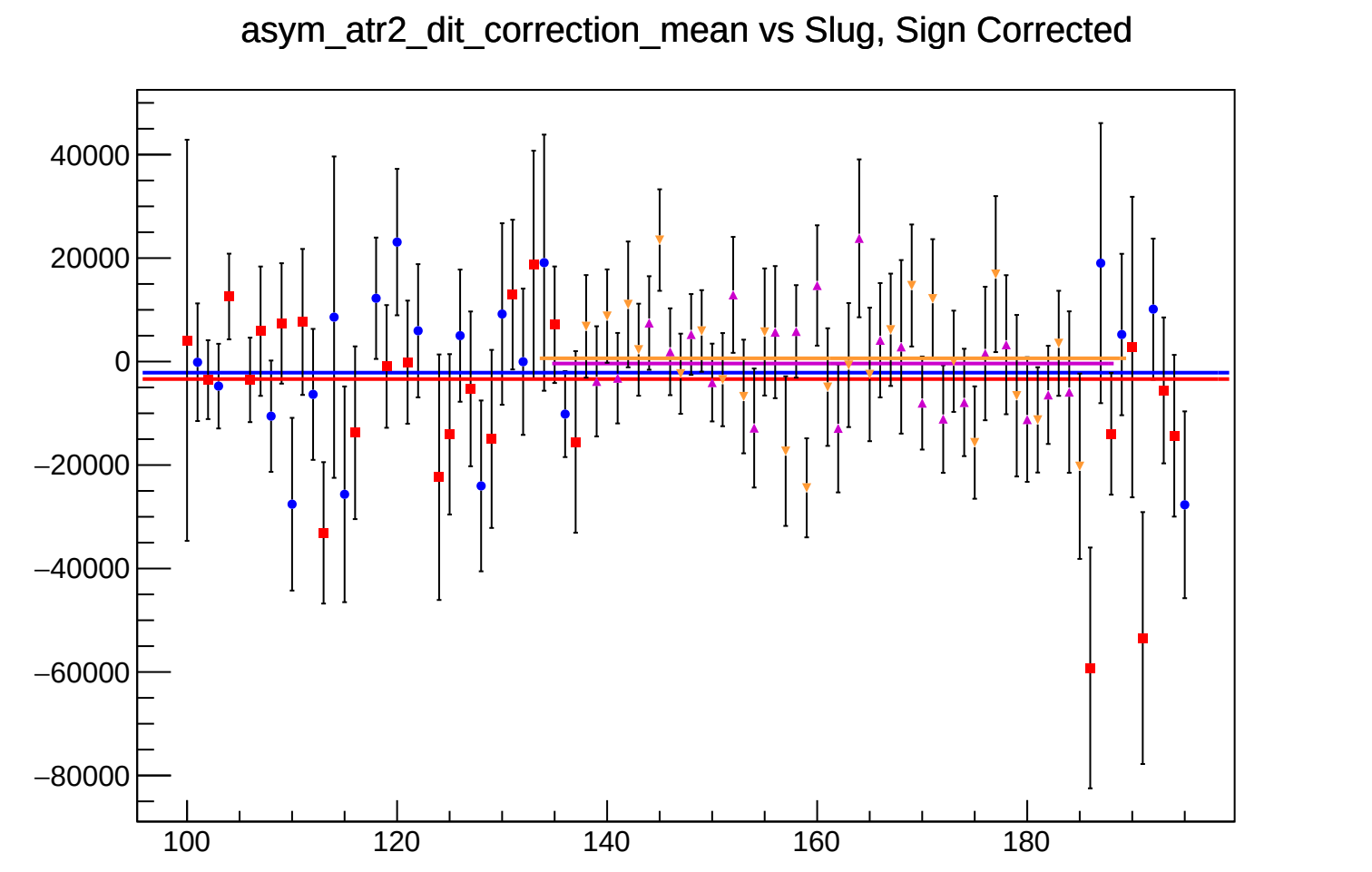
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2662.198+/-0.421 χ^2/NDF: 1110926.1/44

In: 2579.093+/-0.346 χ^2/NDF:627810.2/42

Out: 2580.630+/-0.335 χ^2/NDF:726040.7/49

All: 2579.886+/-0.241 χ^2/NDF: 1353861.0/92



Right In: -2146.990+/-3003.068 χ^2/NDF: 17.5/19

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -3380.881+/-2651.755 χ^2/NDF: 27.6/24

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

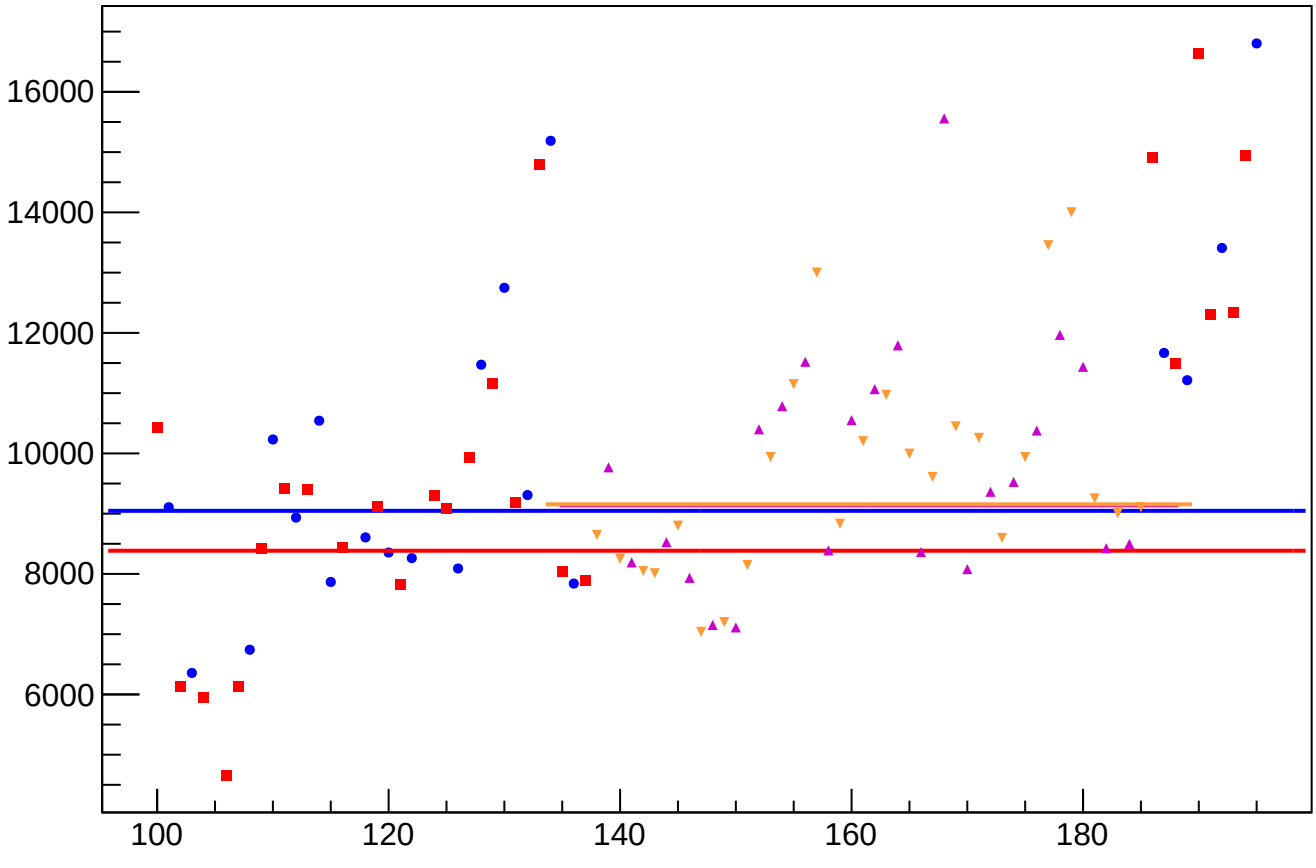
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -2840.298+/-1987.733 χ^2/NDF: 45.1/44

In: -987.099+/-1762.238 χ^2/NDF:31.9/42

Out: -935.920+/-1657.346 χ^2/NDF:55.6/49

All: -959.941+/-1207.300 χ^2/NDF: 87.6/92



Right In: 9047.152+/-2.123 χ^2/NDF: 1285306.8/19

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 8384.916+/-1.875 χ^2/NDF: 2151166.9/24

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

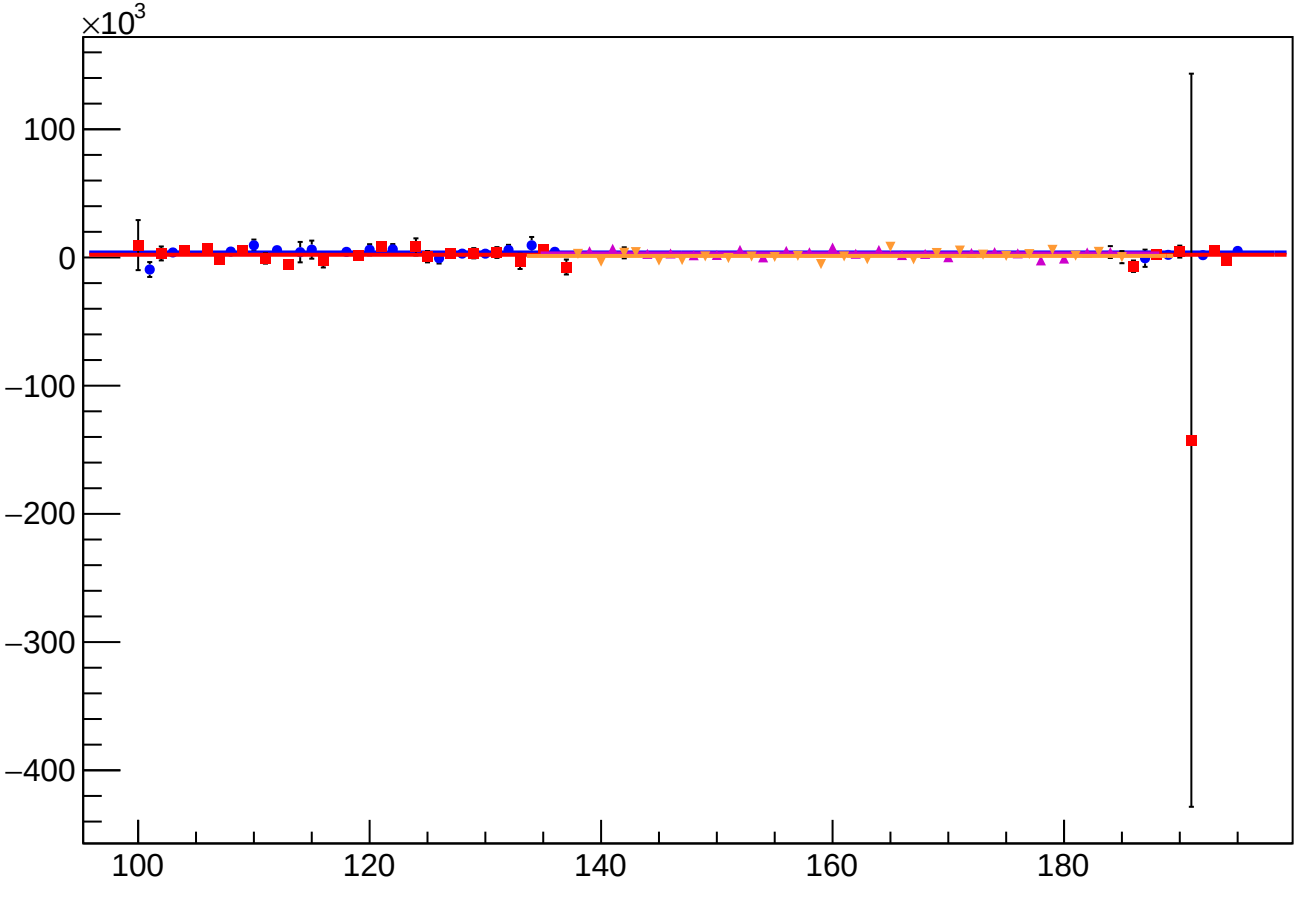
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 8675.050+/-1.406 χ^2/NDF: 3491121.8/44

In: 9106.439+/-1.246 χ^2/NDF:2459287.9/42

Out: 8853.996+/-1.172 χ^2/NDF:3325941.4/49

All: 8972.481+/-0.854 χ^2/NDF: 5807007.9/92



Right In: 3907.542+/-866.651 χ^2/NDF: 11.5/19

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 2118.575+/-821.100 χ^2/NDF: 25.4/24

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

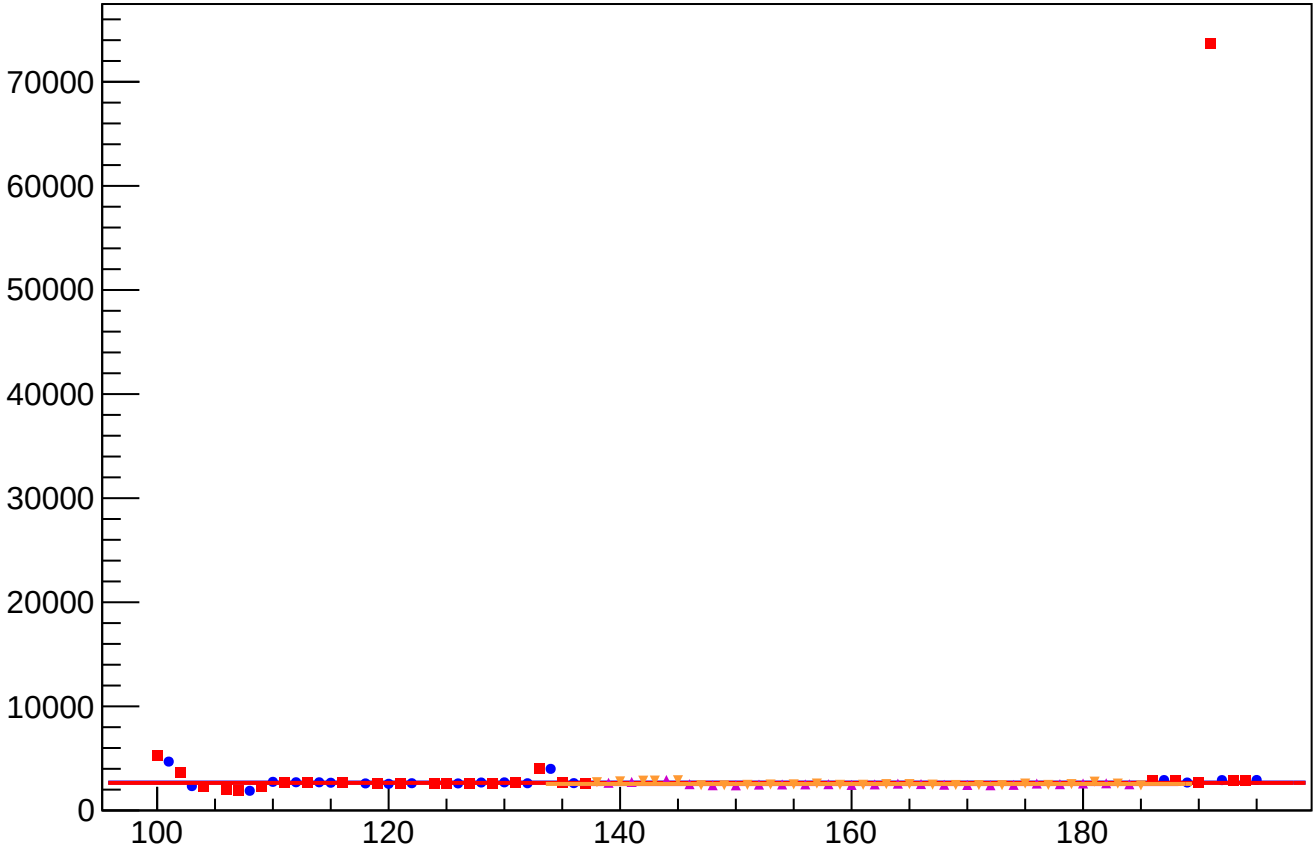
Right: 2964.811+/-596.058 χ^2/NDF: 39.2/44

In: 3391.262+/-488.903 χ^2/NDF:28.5/42

Out: 1514.803+/-473.565 χ^2/NDF:53.0/49

All: 2423.137+/-340.154 χ^2/NDF: 89.2/92

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2678.323+/-0.613 χ^2/NDF: 520909.6/19

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2647.734+/-0.580 χ^2/NDF: 588702.9/24

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

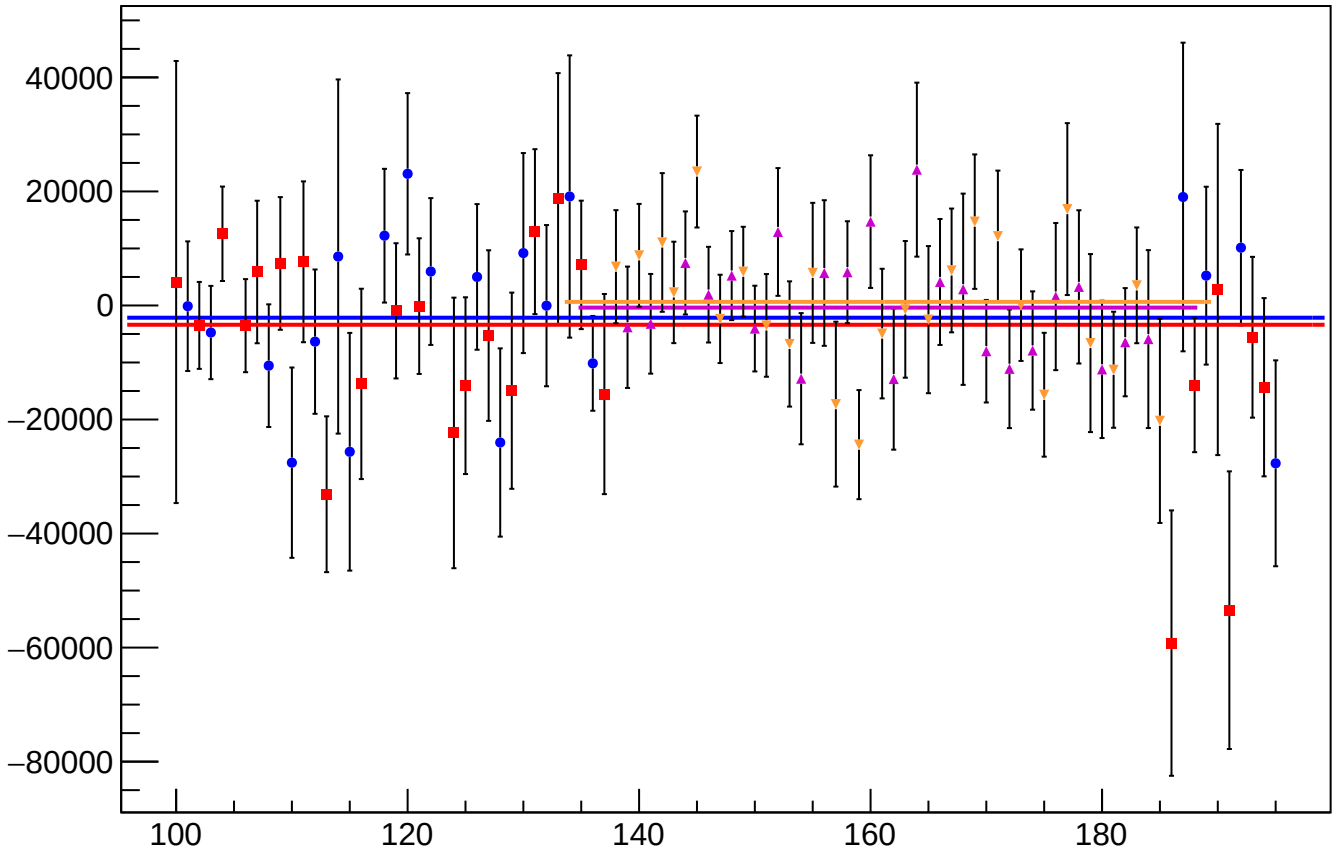
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2662.197+/-0.421 χ^2/NDF: 1110925.9/44

In: 2579.093+/-0.346 χ^2/NDF:627808.7/42

Out: 2580.631+/-0.335 χ^2/NDF:726039.5/49

All: 2579.887+/-0.241 χ^2/NDF: 1353858.4/92



Right In: -2146.959+/-3003.065 χ^2/NDF: 17.5/19

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3380.871+/-2651.751 χ^2/NDF: 27.6/24

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

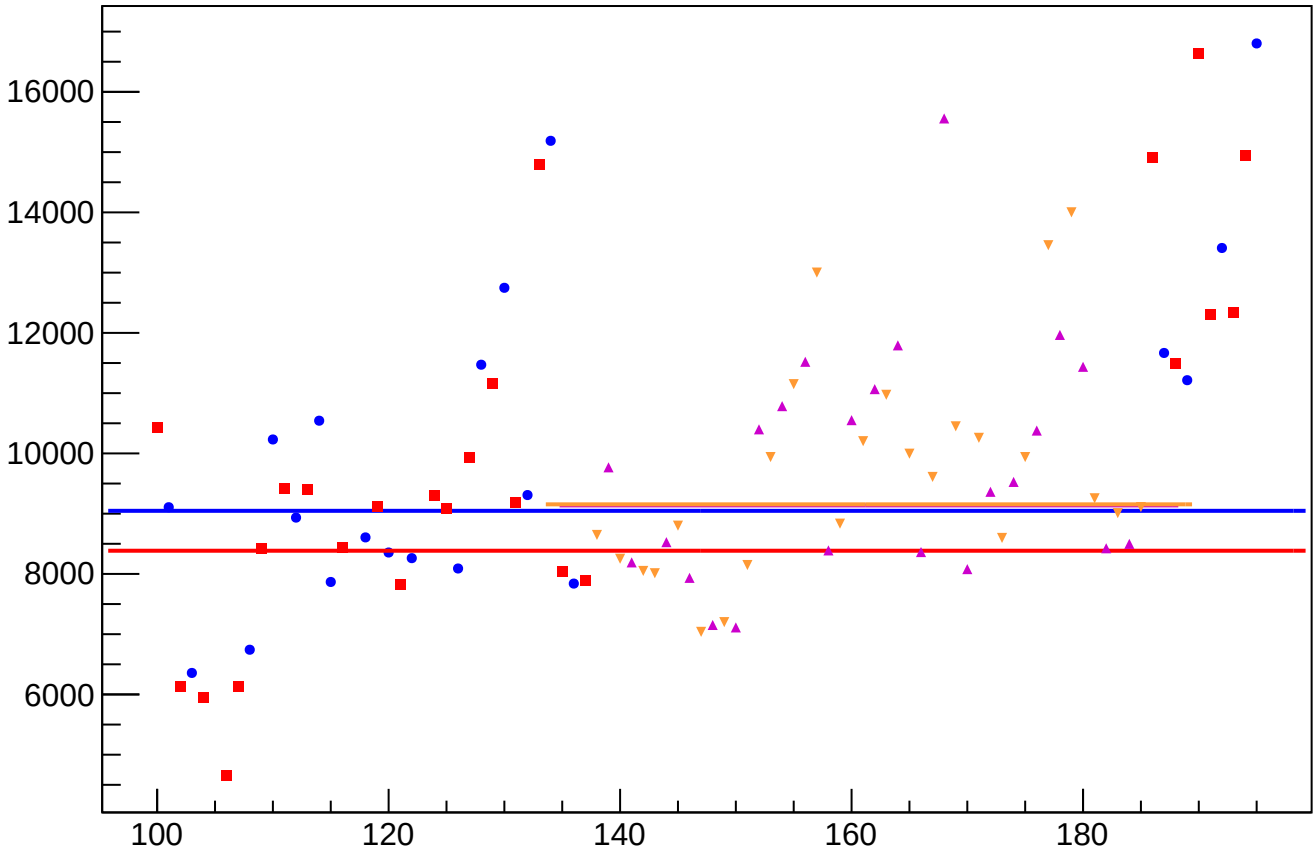
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2840.279+/-1987.731 χ^2/NDF: 45.1/44

In: -987.093+/-1762.239 χ^2/NDF:31.9/42

Out: -935.924+/-1657.347 χ^2/NDF:55.6/49

All: -959.940+/-1207.301 χ^2/NDF: 87.6/92



Right In: 9047.143+/-2.123 χ^2/NDF: 1285306.8/19

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 8384.904+/-1.875 χ^2/NDF: 2151168.1/24

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

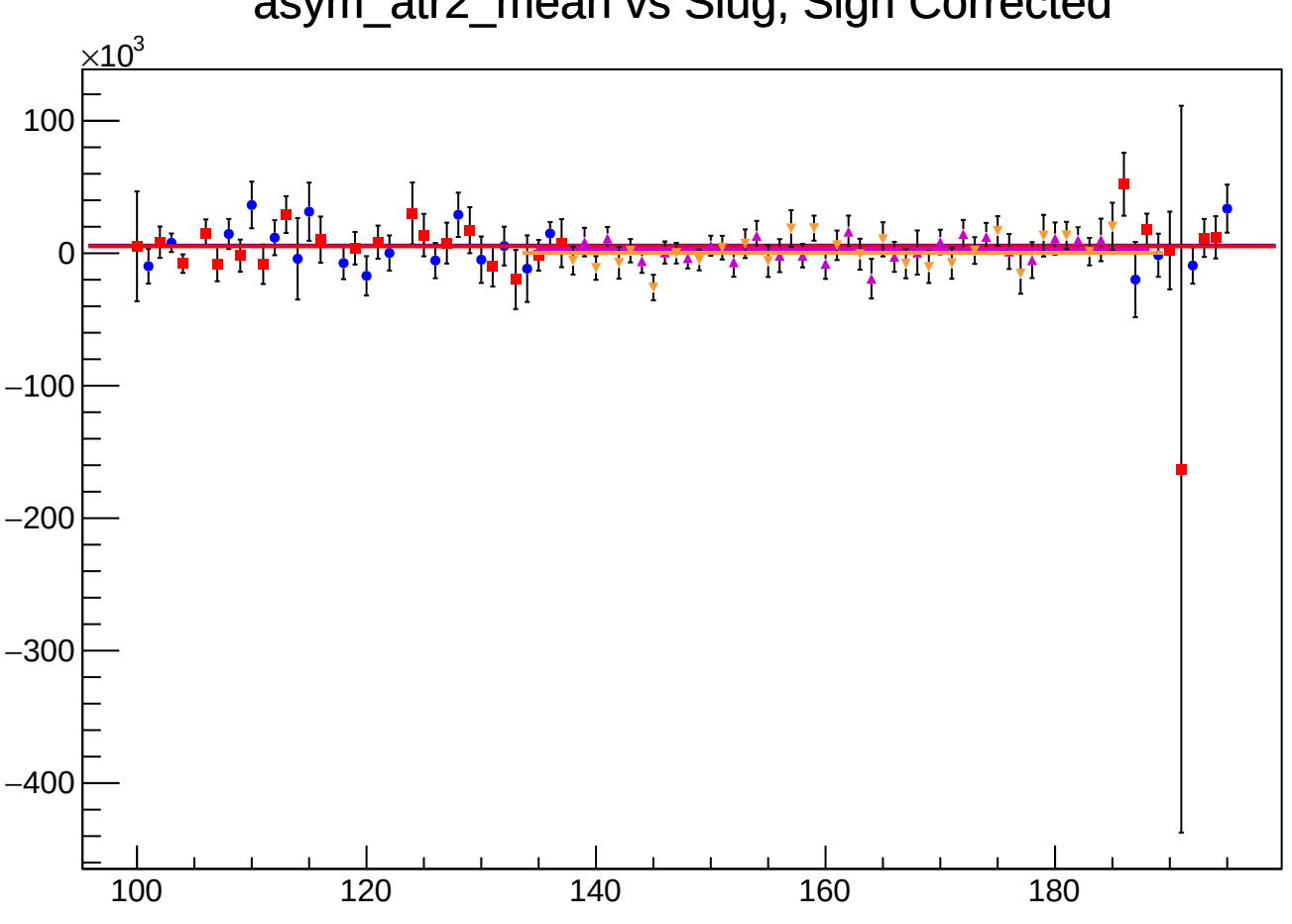
Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

Right: 8675.039+/-1.406 χ^2/NDF: 3491123.5/44

In: 9106.444+/-1.246 χ^2/NDF:2459292.4/42

Out: 8854.000+/-1.172 χ^2/NDF:3325951.7/49

All: 8972.486+/-0.854 χ^2/NDF: 5807023.0/92



Right In: 5741.372+/-3033.823 χ^2/NDF: 19.7/19

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5262.277+/-2830.877 χ^2/NDF: 20.1/24

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

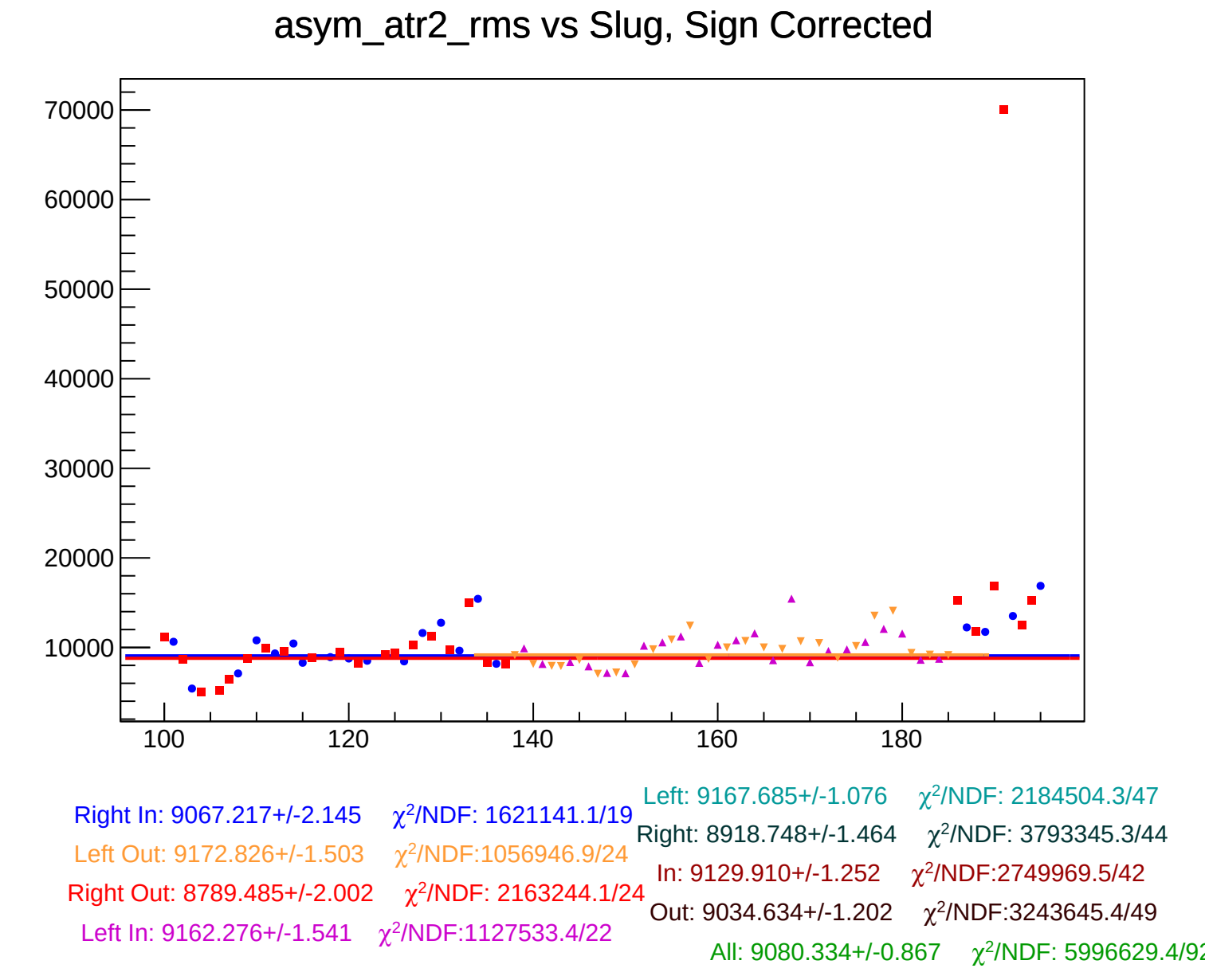
Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

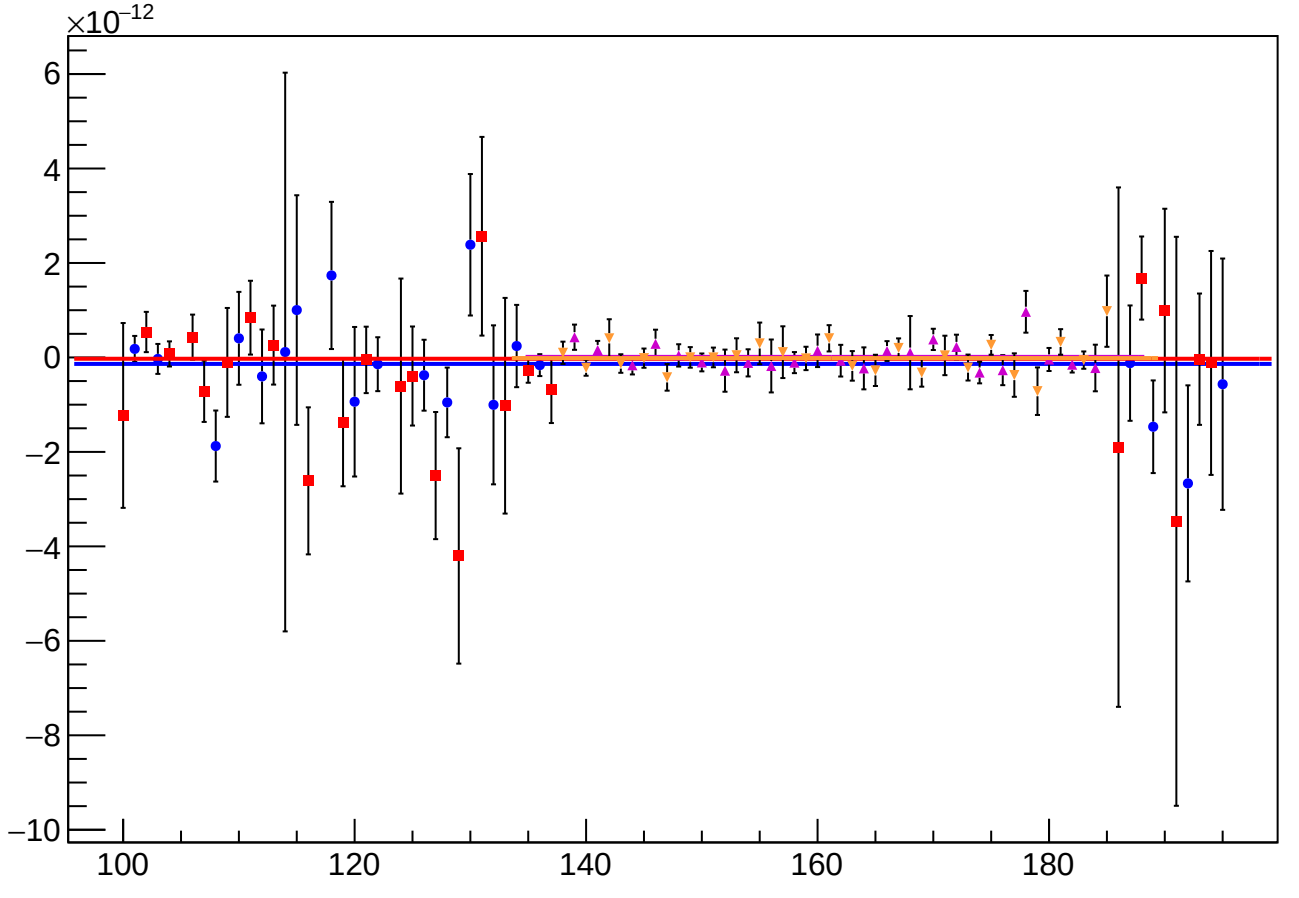
Right: 5485.266+/-2069.763 χ^2/NDF: 39.8/44

In: 4087.499+/-1770.265 χ^2/NDF:33.7/42

Out: 2085.643+/-1699.665 χ^2/NDF:48.4/49

All: 3045.857+/-1226.044 χ^2/NDF: 82.8/92


asym_atr2_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
Right In: 9067.217+/-2.145 χ²/NDF: 1621141.1/19
Left Out: 9172.826+/-1.503 χ²/NDF:1056946.9/24
Right Out: 8789.485+/-2.002 χ²/NDF: 2163244.1/24
Left In: 9162.276+/-1.541 χ²/NDF:1127533.4/22
Left: 9167.685+/-1.076 χ²/NDF: 2184504.3/47
Right: 8918.748+/-1.464 χ²/NDF: 3793345.3/44
In: 9129.910+/-1.252 χ²/NDF:2749969.5/42
Out: 9034.634+/-1.202 χ²/NDF:3243645.4/49
All: 9080.334+/-0.867 χ²/NDF: 5996629.4/92



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/24

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

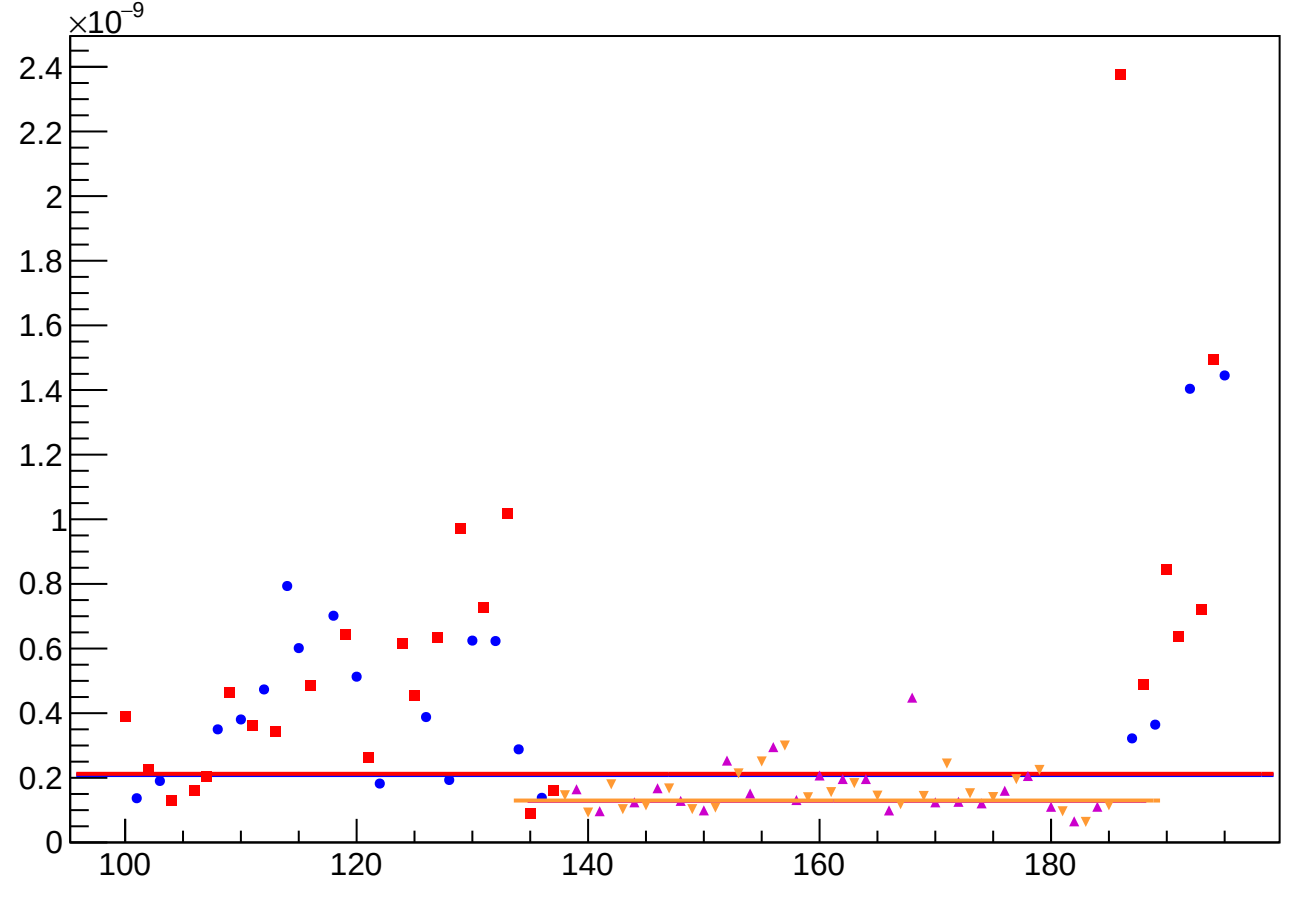
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 41.6/44

In: -0.000+/-0.000 χ^2/NDF:37.3/42

Out: -0.000+/-0.000 χ^2/NDF:43.6/49

All: -0.000+/-0.000 χ^2/NDF: 80.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 2522479.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3651227.8/24

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

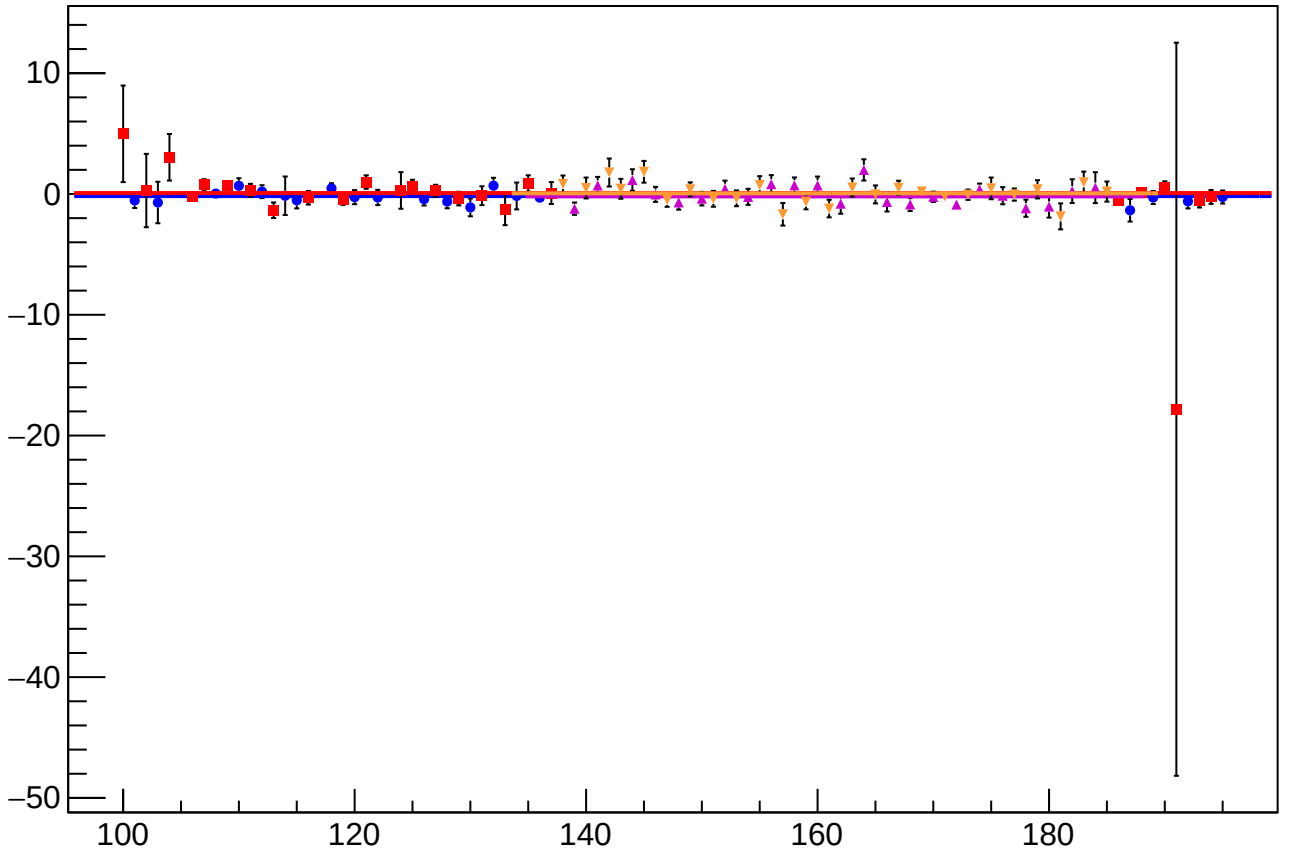
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6174531.0/44

In: 0.000+/-0.000 χ^2/NDF:4671992.1/42

Out: 0.000+/-0.000 χ^2/NDF:5682043.2/49

All: 0.000+/-0.000 χ^2/NDF: 10354119.1/92



Right In: -0.174+/-0.131 χ^2/NDF: 12.1/19

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.077+/-0.104 χ^2/NDF: 30.8/24

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

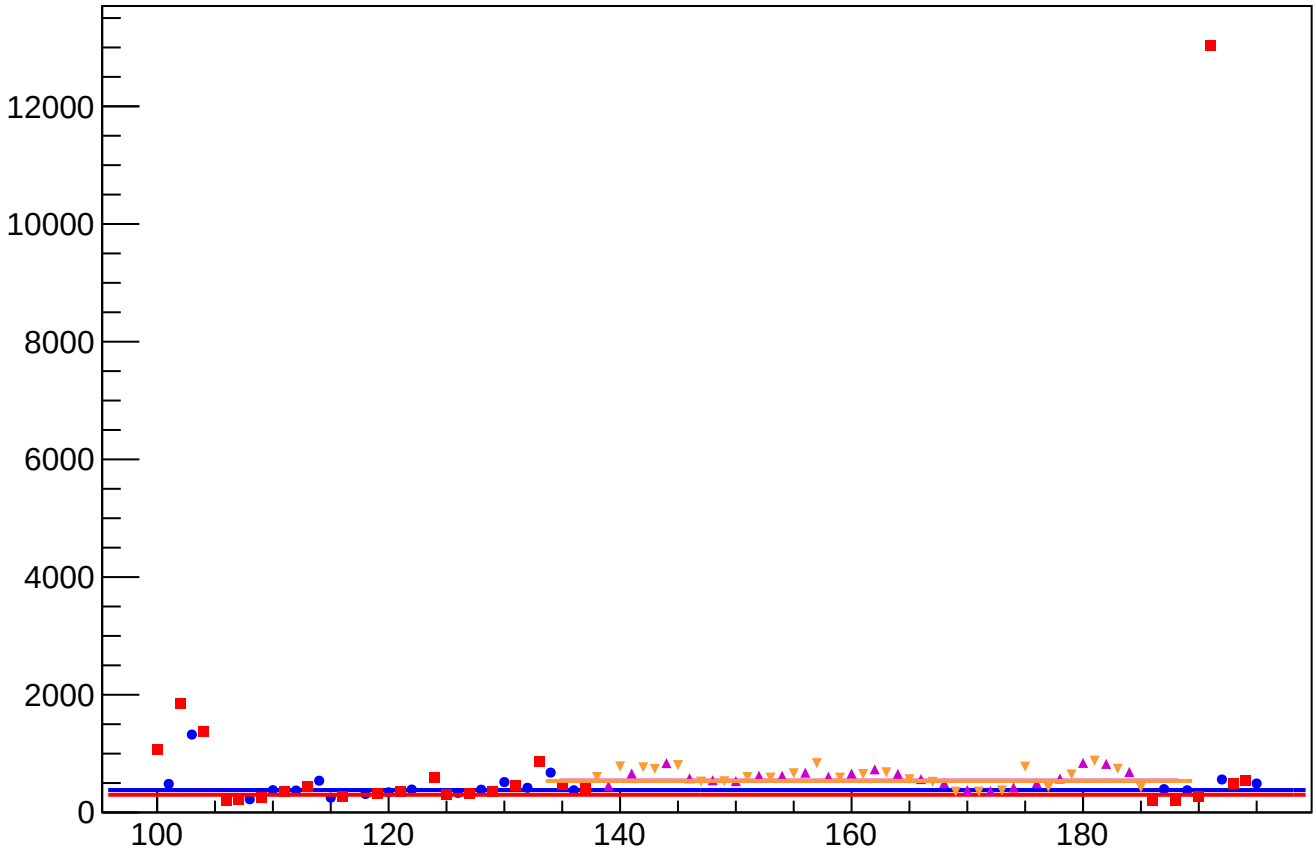
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.020+/-0.081 χ^2/NDF: 45.2/44

In: -0.183+/-0.093 χ^2/NDF:43.3/42

Out: 0.068+/-0.081 χ^2/NDF:55.5/49

All: -0.040+/-0.061 χ^2/NDF: 102.9/92



Right In: 381.003+/-0.092 χ^2/NDF: 1684805.7/19

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 300.510+/-0.074 χ^2/NDF: 3854372.3/24

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

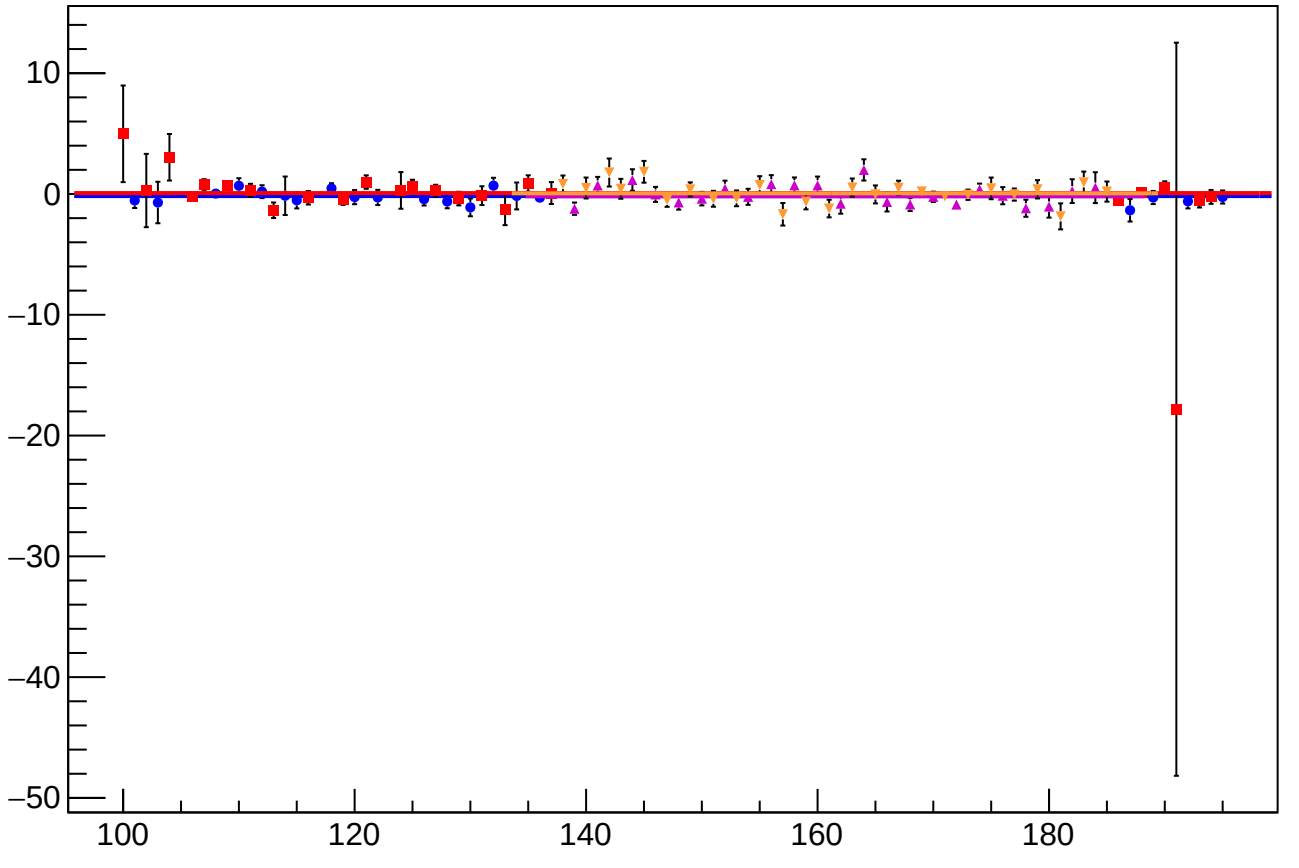
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 331.759+/-0.058 χ^2/NDF: 6004085.2/44

In: 459.357+/-0.066 χ^2/NDF:5058406.6/42

Out: 392.843+/-0.057 χ^2/NDF:10621964.5/49

All: 421.496+/-0.043 χ^2/NDF: 16259893.3/92



Right In: -0.174+/-0.131 χ^2/NDF: 12.1/19

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.077+/-0.104 χ^2/NDF: 30.8/24

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

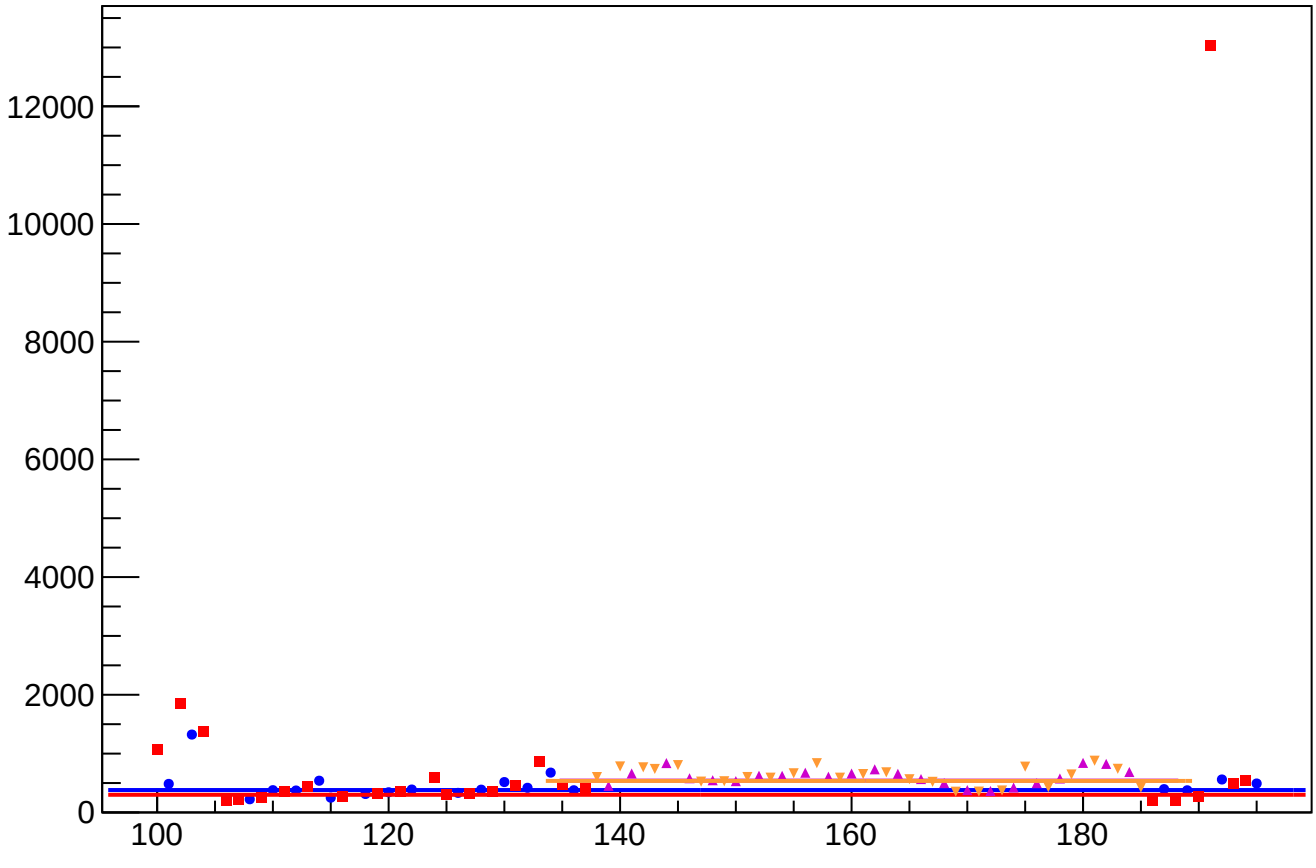
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.020+/-0.081 χ^2/NDF: 45.2/44

In: -0.183+/-0.093 χ^2/NDF:43.3/42

Out: 0.068+/-0.081 χ^2/NDF:55.5/49

All: -0.040+/-0.061 χ^2/NDF: 102.9/92



Right In: 381.003+/-0.092 χ^2/NDF: 1684805.7/19

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 300.510+/-0.074 χ^2/NDF: 3854372.3/24

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

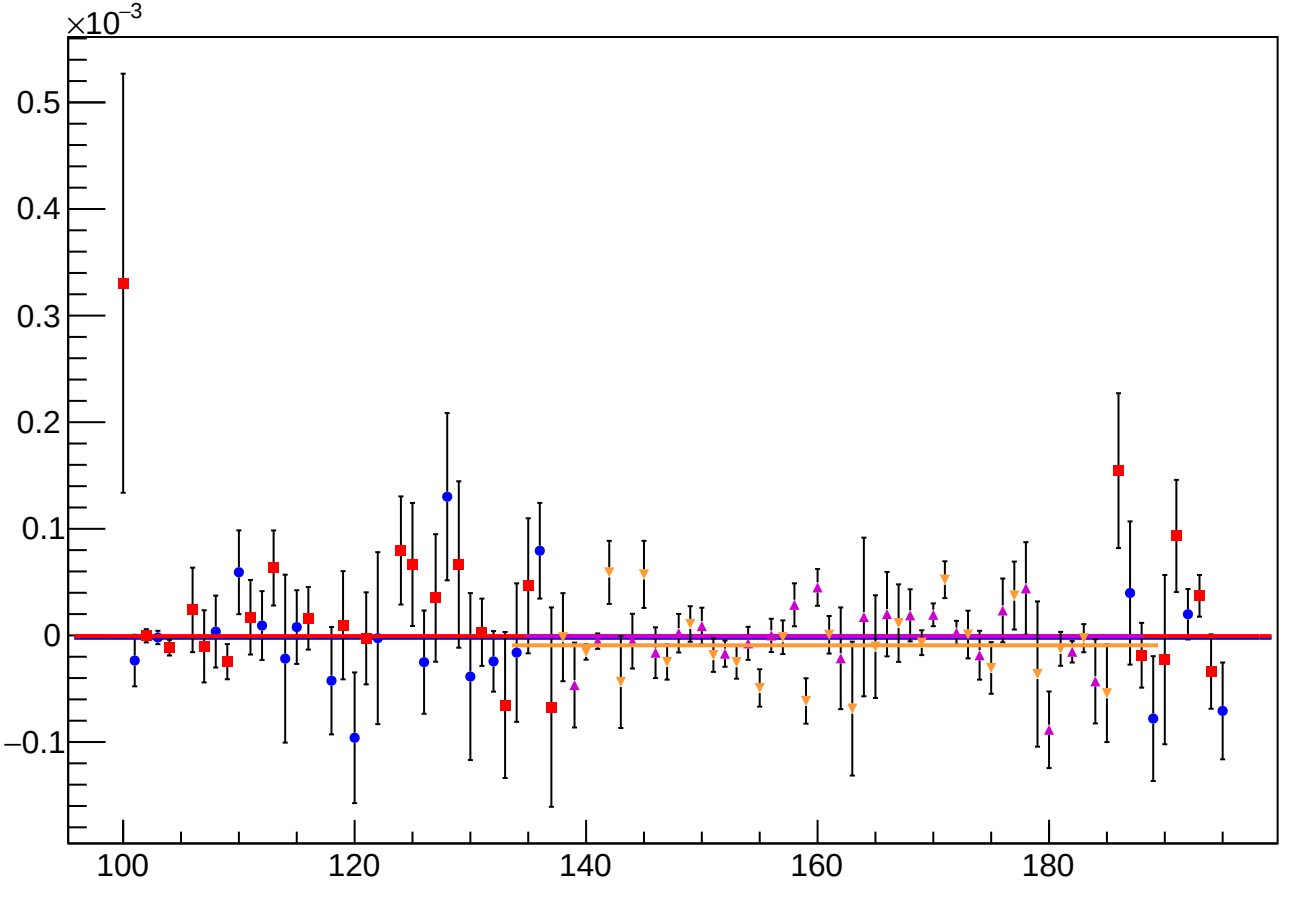
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 331.759+/-0.058 χ^2/NDF: 6004085.2/44

In: 459.357+/-0.066 χ^2/NDF:5058406.6/42

Out: 392.843+/-0.057 χ^2/NDF:10621964.5/49

All: 421.496+/-0.043 χ^2/NDF: 16259893.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/24

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

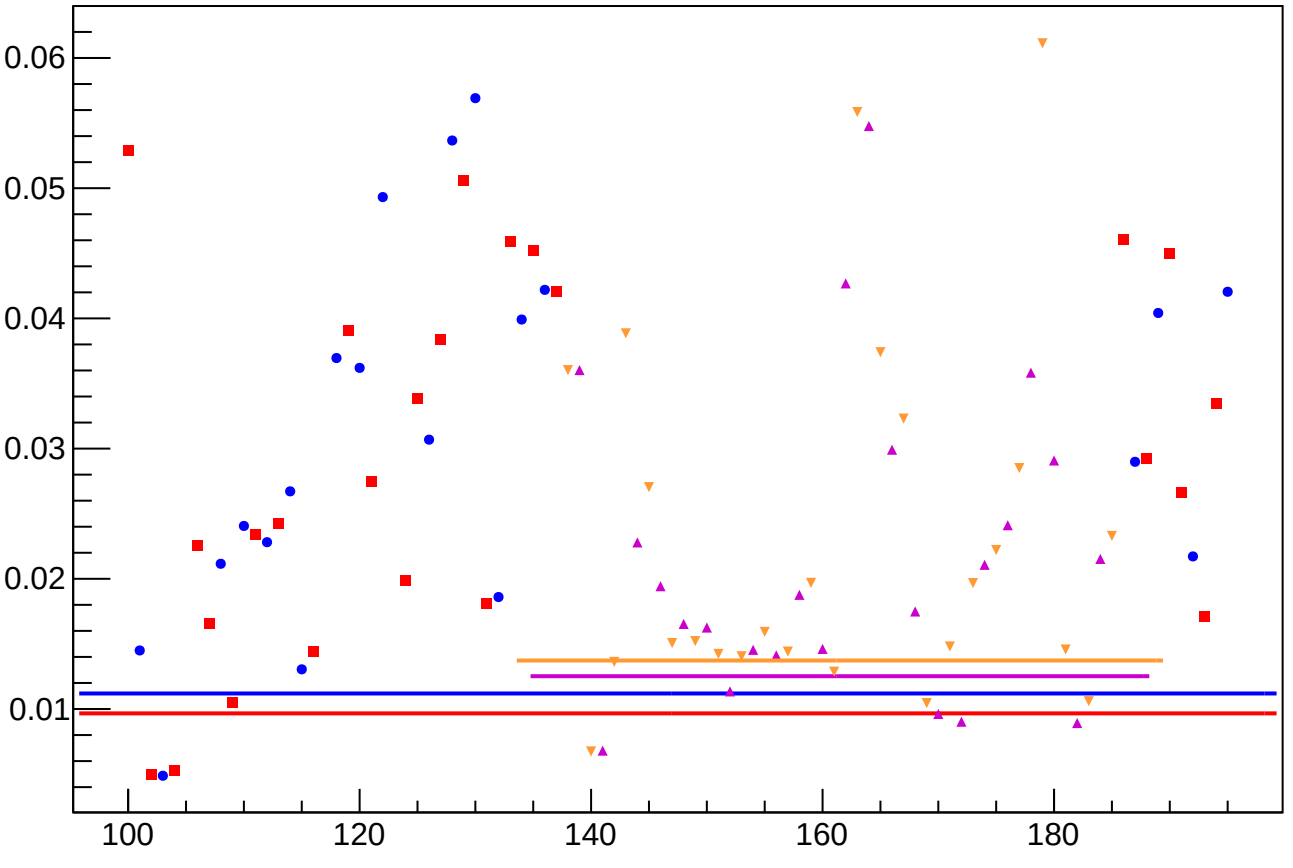
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 50.3/44

In: -0.000+/-0.000 χ^2/NDF:49.0/42

Out: -0.000+/-0.000 χ^2/NDF:79.0/49

All: -0.000+/-0.000 χ^2/NDF: 129.2/92



Right In: 0.011+/-0.000 χ^2/NDF: 9134034.7/19

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 10122600.0/24

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

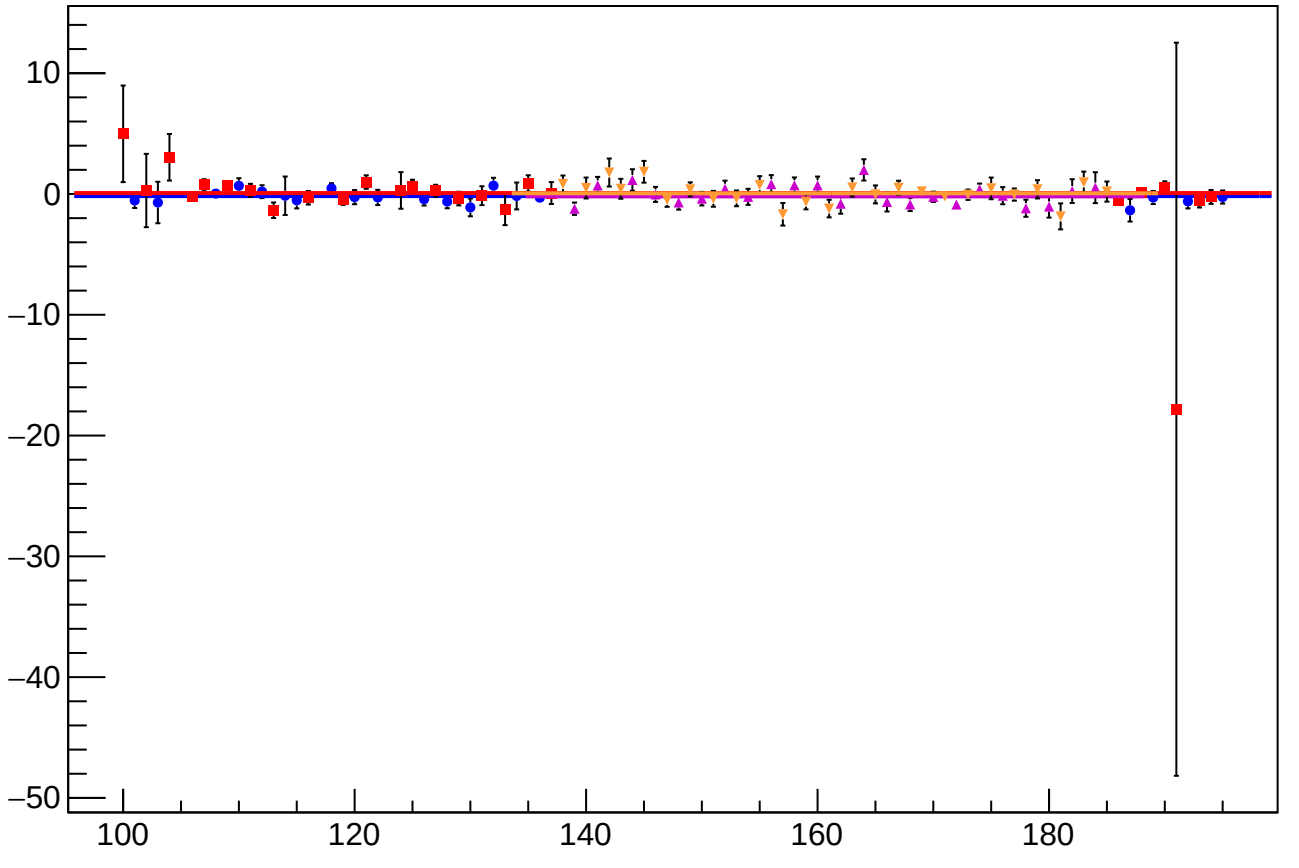
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.010+/-0.000 χ^2/NDF: 19364309.8/44

In: 0.012+/-0.000 χ^2/NDF:16346124.7/42

Out: 0.012+/-0.000 χ^2/NDF:18965308.7/49

All: 0.012+/-0.000 χ^2/NDF: 35315975.0/92



Right In: -0.174+/-0.131 χ^2/NDF: 12.1/19

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.077+/-0.104 χ^2/NDF: 30.8/24

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

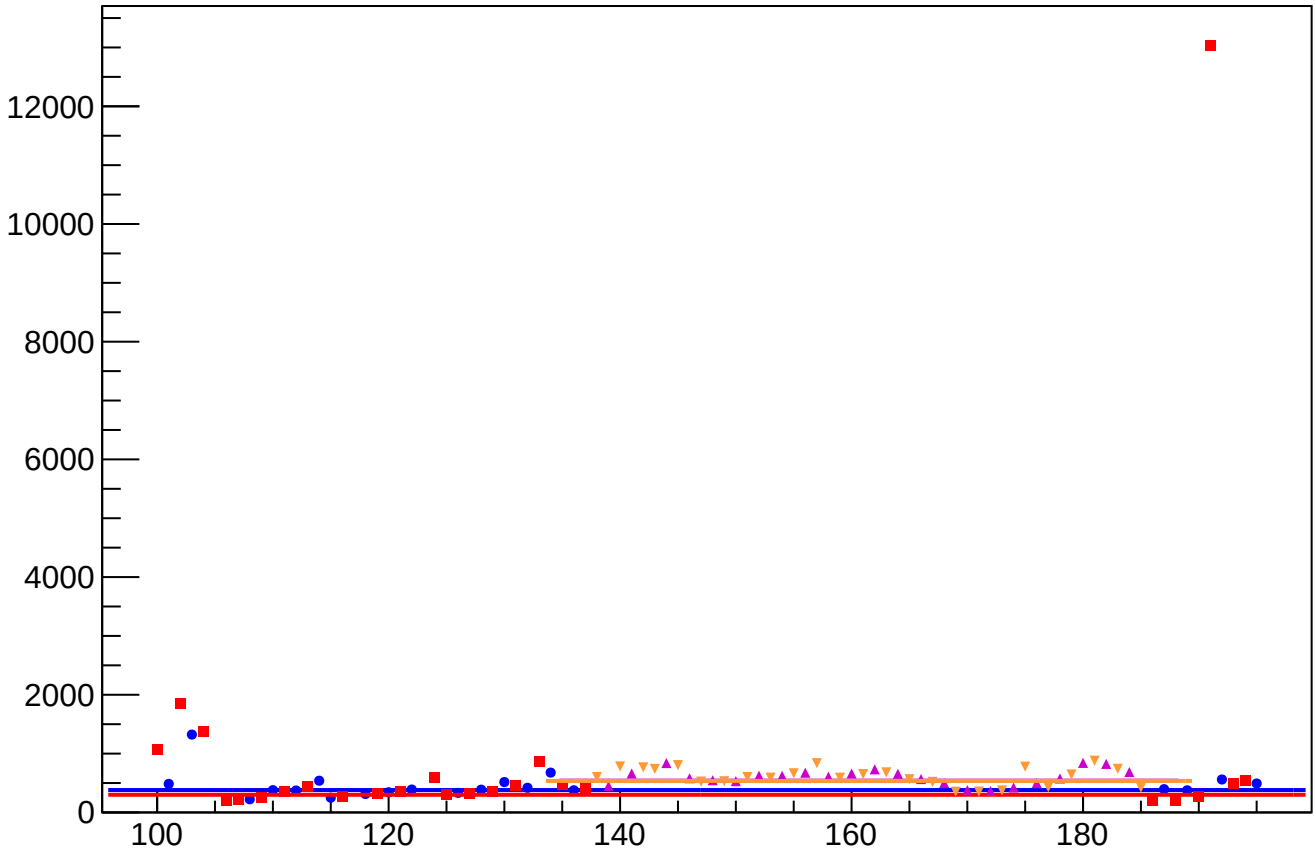
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.020+/-0.081 χ^2/NDF: 45.2/44

In: -0.183+/-0.093 χ^2/NDF:43.3/42

Out: 0.068+/-0.081 χ^2/NDF:55.5/49

All: -0.040+/-0.061 χ^2/NDF: 102.9/92



Right In: 380.999+/-0.092 χ^2/NDF: 1684808.1/19

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 300.510+/-0.074 χ^2/NDF: 3854314.4/24

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

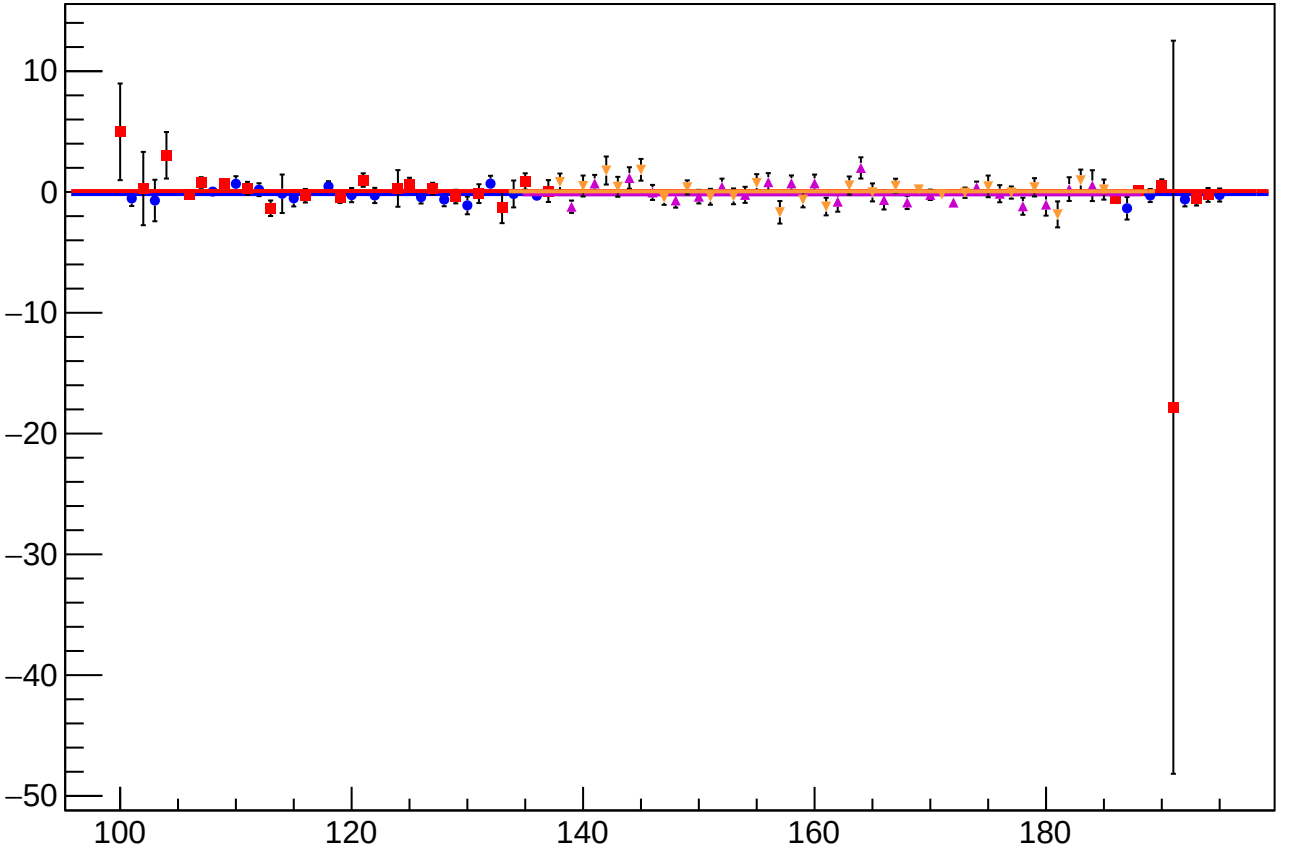
Right: 331.758+/-0.058 χ^2/NDF: 6003990.0/44

In: 459.356+/-0.066 χ^2/NDF:5058611.2/42

Out: 392.844+/-0.057 χ^2/NDF:10622100.8/49

All: 421.496+/-0.043 χ^2/NDF: 16260203.8/92

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.174+/-0.131 χ^2/NDF: 12.1/19

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.077+/-0.104 χ^2/NDF: 30.8/24

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

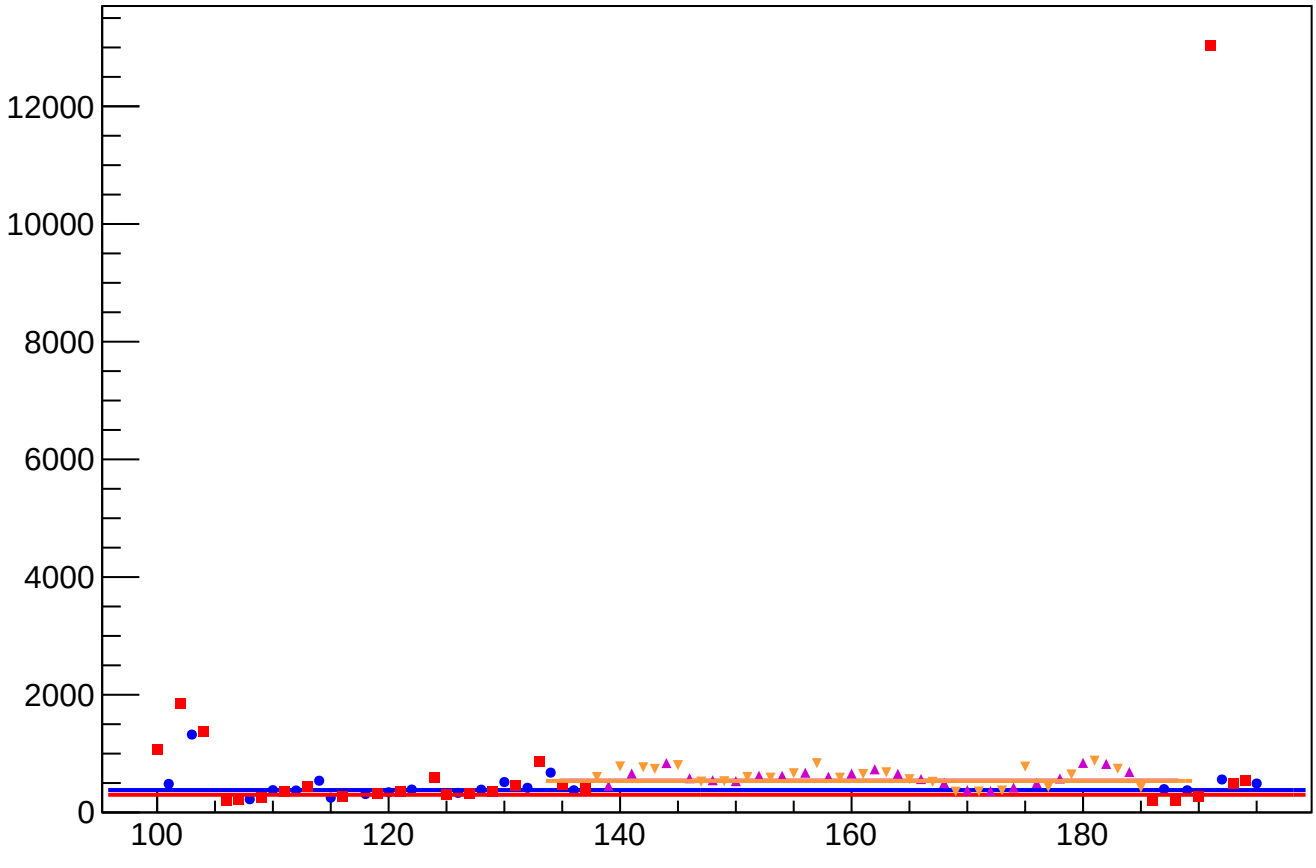
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.020+/-0.081 χ^2/NDF: 45.2/44

In: -0.183+/-0.093 χ^2/NDF:43.3/42

Out: 0.068+/-0.081 χ^2/NDF:55.5/49

All: -0.040+/-0.061 χ^2/NDF: 102.9/92



Right In: 380.999+/-0.092 χ^2/NDF: 1684808.1/19

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 300.510+/-0.074 χ^2/NDF: 3854314.4/24

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

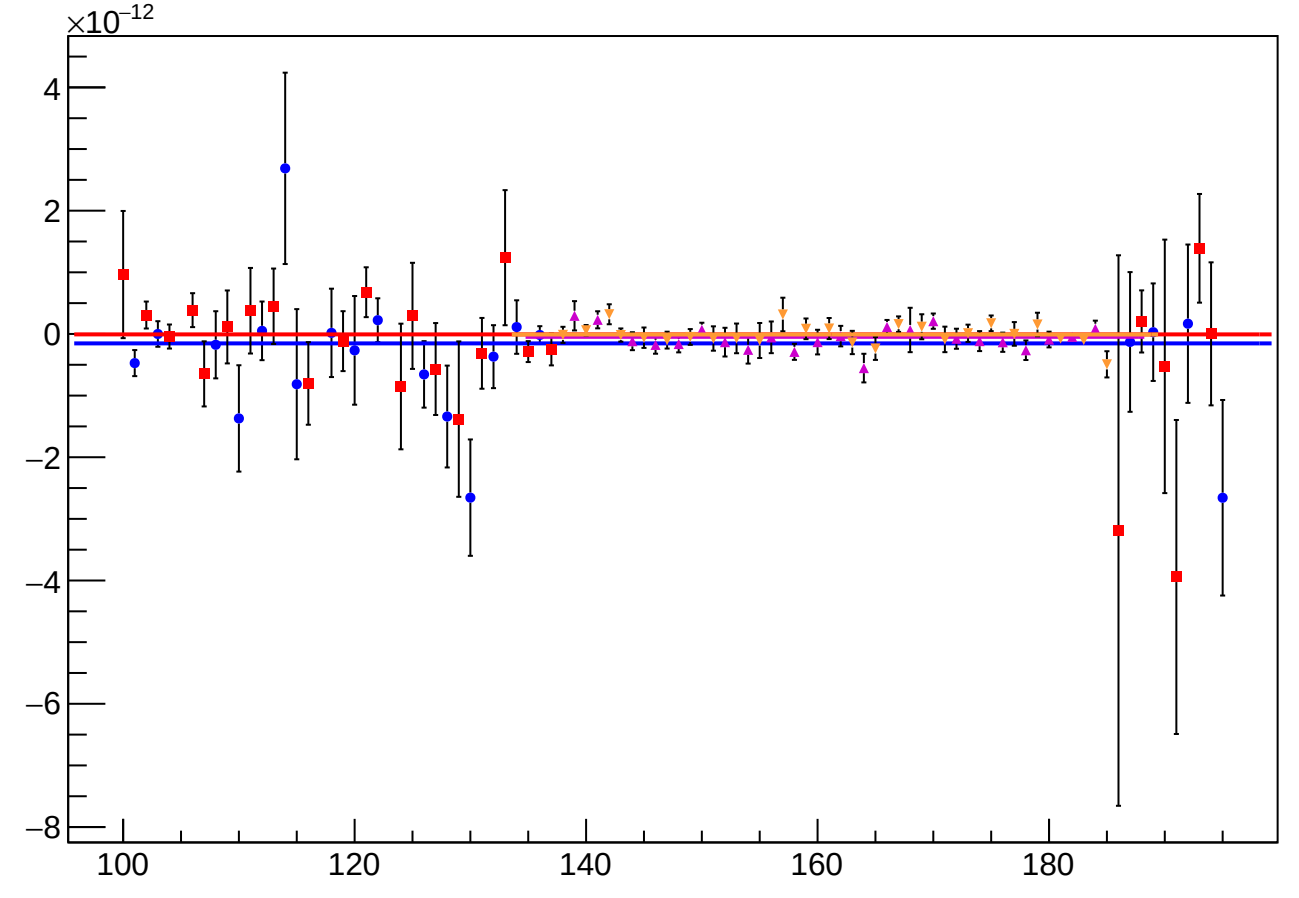
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 331.758+/-0.058 χ^2/NDF: 6003990.0/44

In: 459.356+/-0.066 χ^2/NDF:5058611.2/42

Out: 392.844+/-0.057 χ^2/NDF:10622100.8/49

All: 421.496+/-0.043 χ^2/NDF: 16260203.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

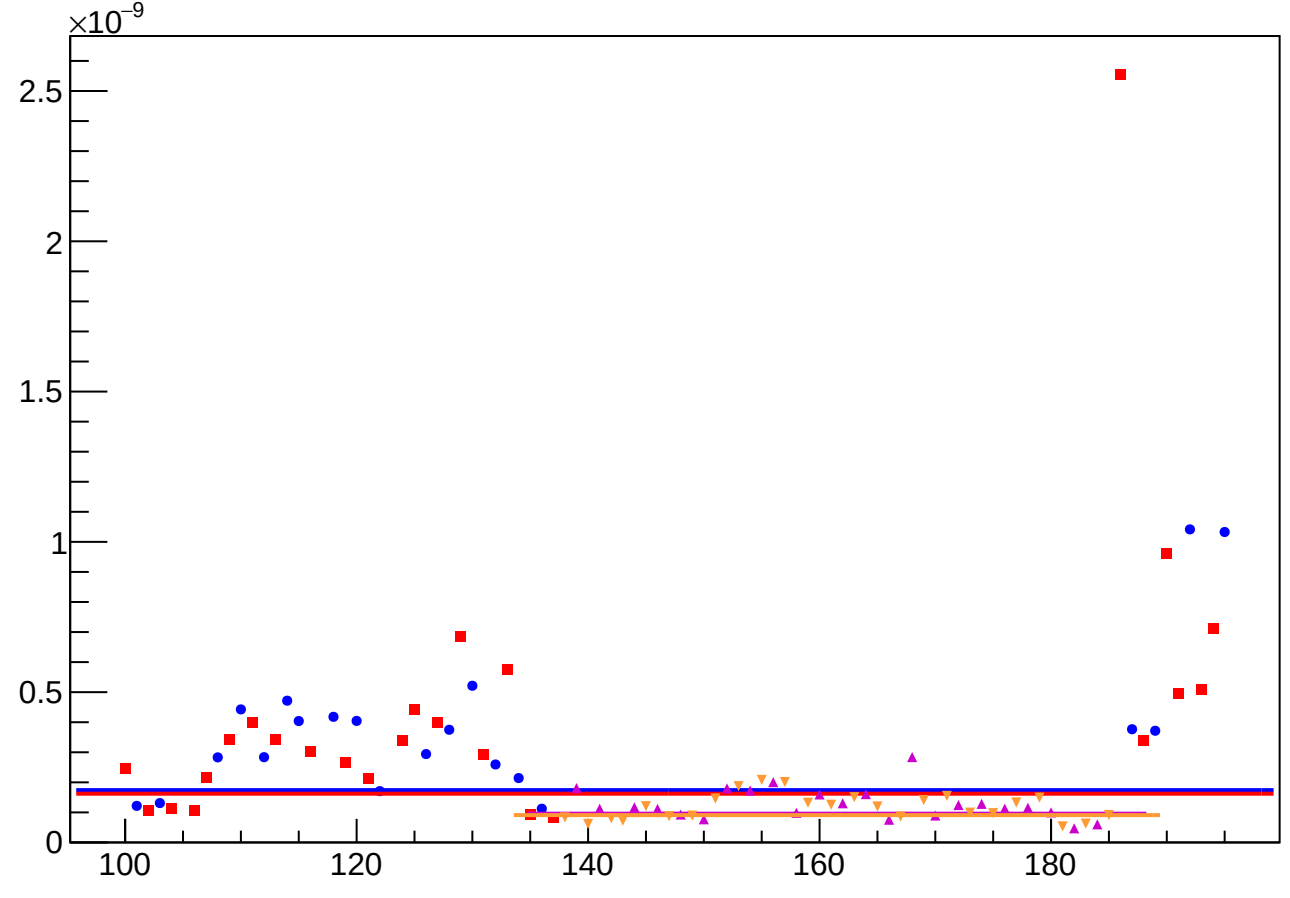
Left: -0.000+/-0.000 χ^2/NDF: 51.1/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/44

In: -0.000+/-0.000 χ^2/NDF:53.4/42

Out: -0.000+/-0.000 χ^2/NDF:47.2/49

All: -0.000+/-0.000 χ^2/NDF: 102.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 3725707.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4810978.1/24

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

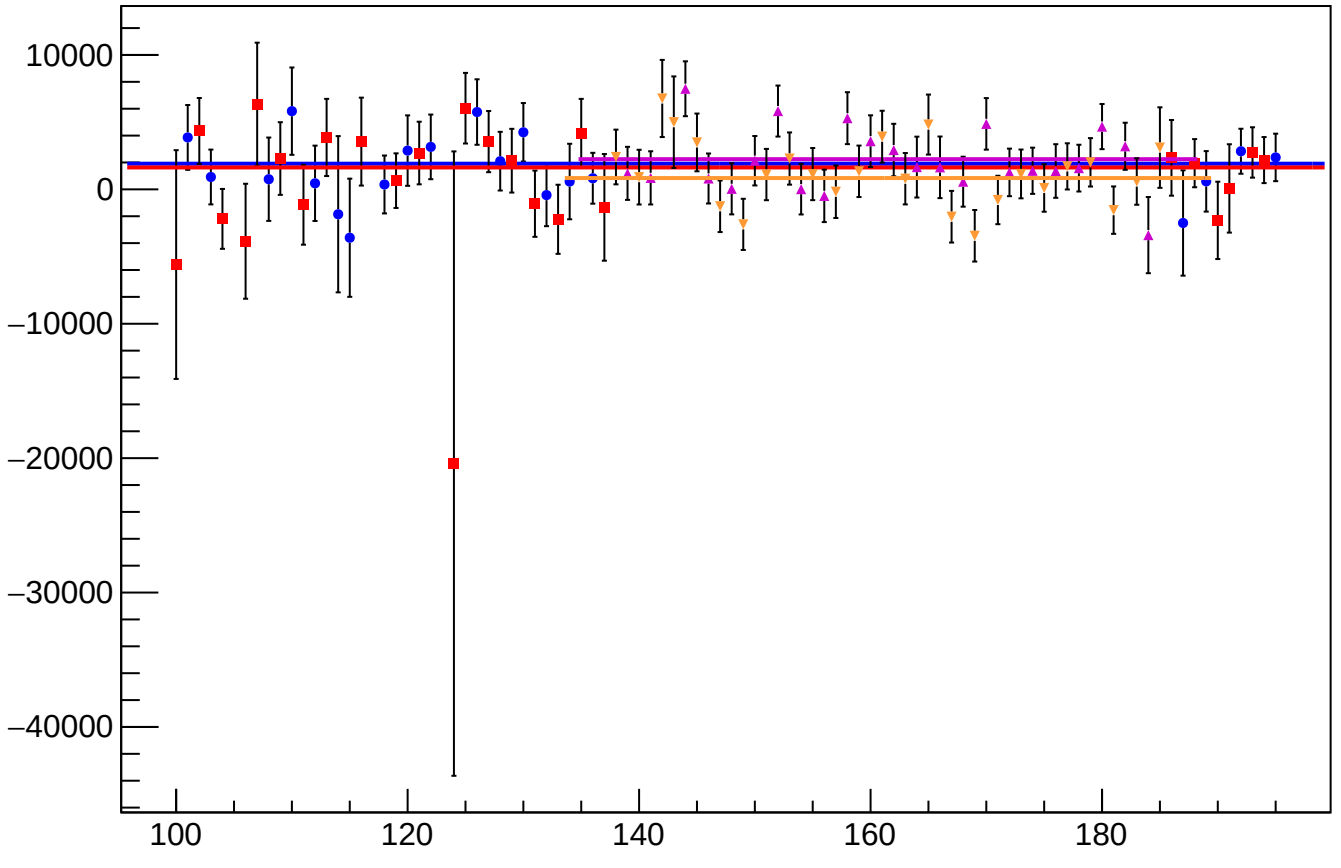
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8556791.5/44

In: 0.000+/-0.000 χ^2/NDF:9113415.9/42

Out: 0.000+/-0.000 χ^2/NDF:9542144.5/49

All: 0.000+/-0.000 χ^2/NDF: 18698321.7/92



Right In: 1908.744+/-536.328 χ^2/NDF: 12.9/19

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1628.951+/-519.791 χ^2/NDF: 22.1/24

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

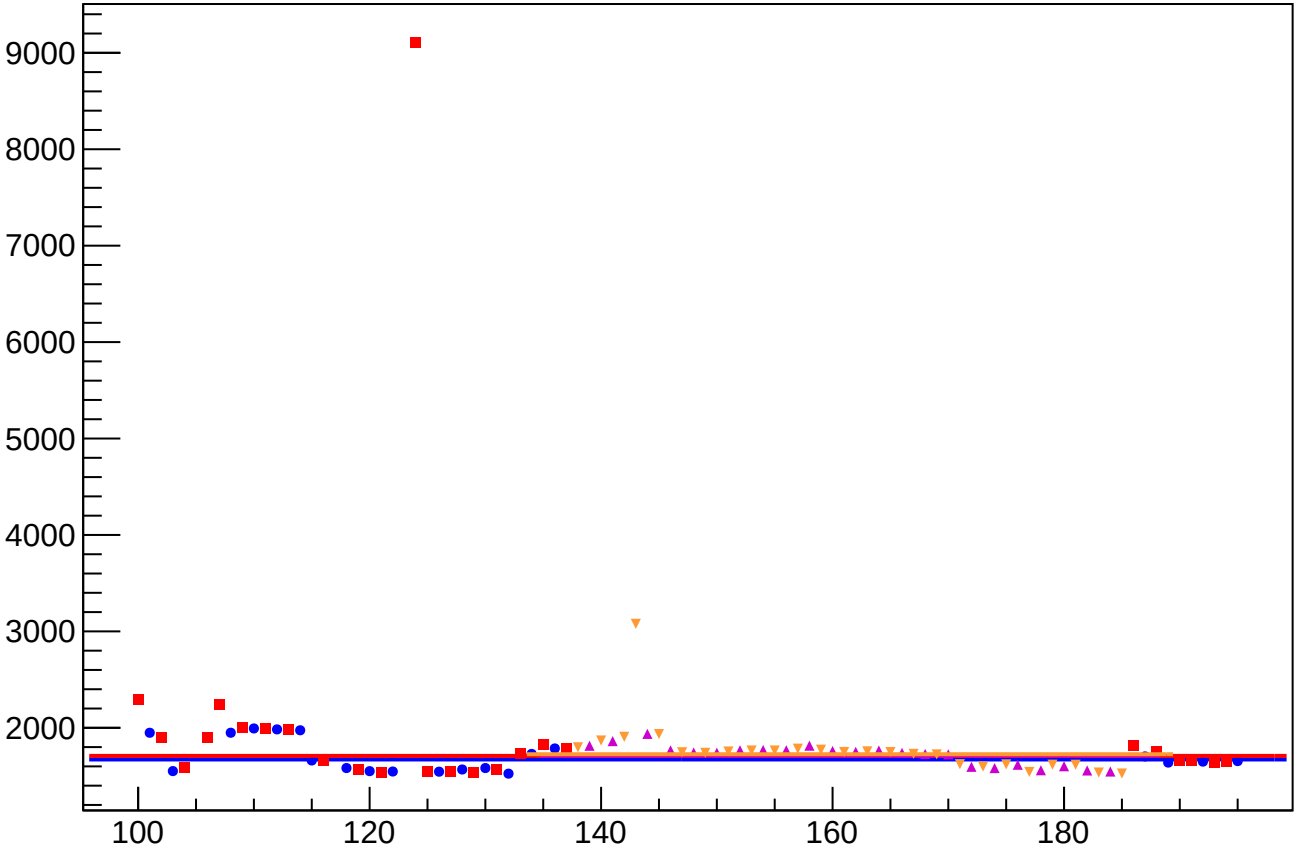
Right: 1764.467+/-373.257 χ^2/NDF: 35.1/44

In: 2124.550+/-321.031 χ^2/NDF:42.5/42

Out: 1129.300+/-314.215 χ^2/NDF:53.9/49

All: 1616.248+/-224.555 χ^2/NDF: 101.3/92

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1671.629+/-0.379 χ^2/NDF: 142793.7/19

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1708.712+/-0.366 χ^2/NDF: 393735.1/24

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

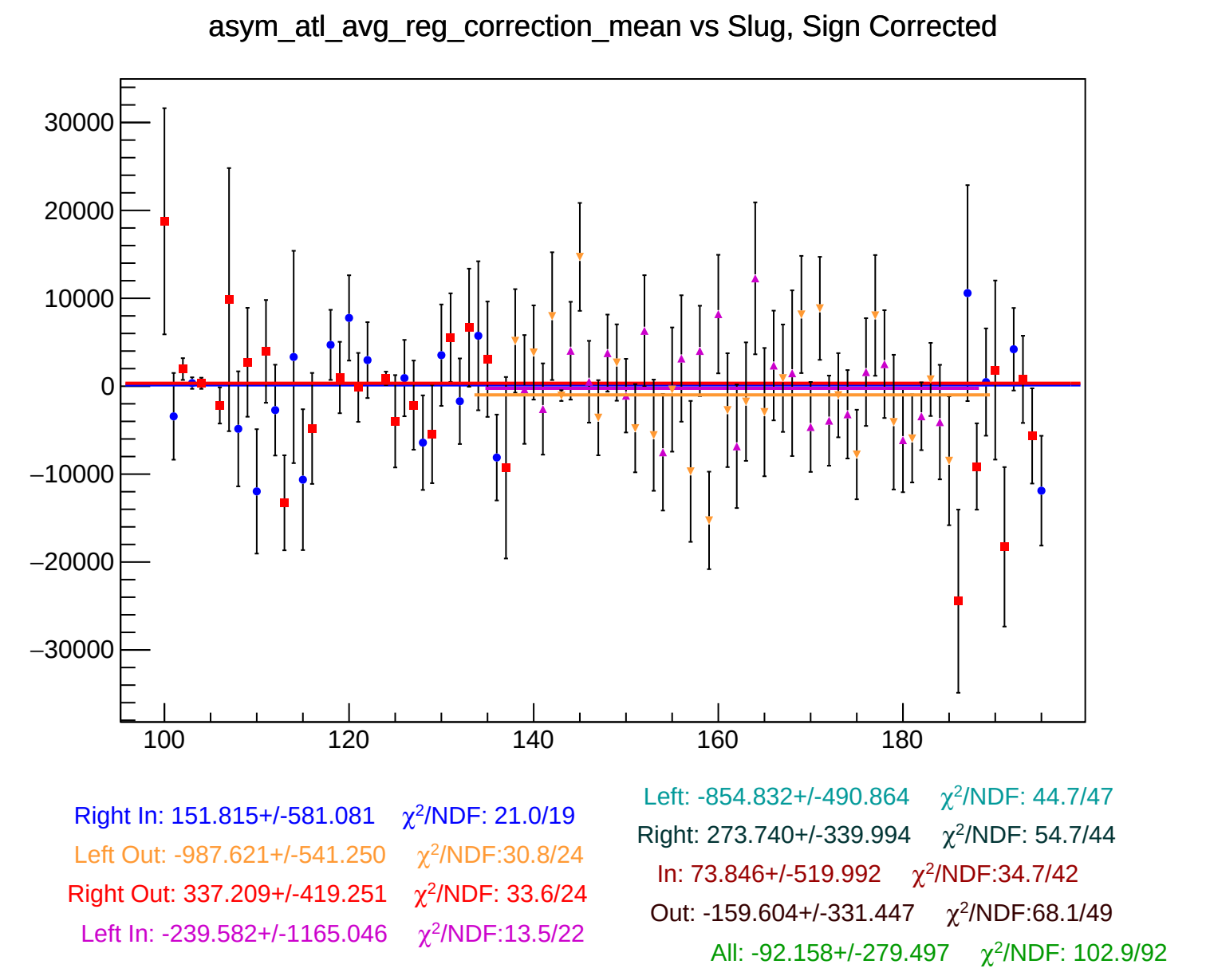
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

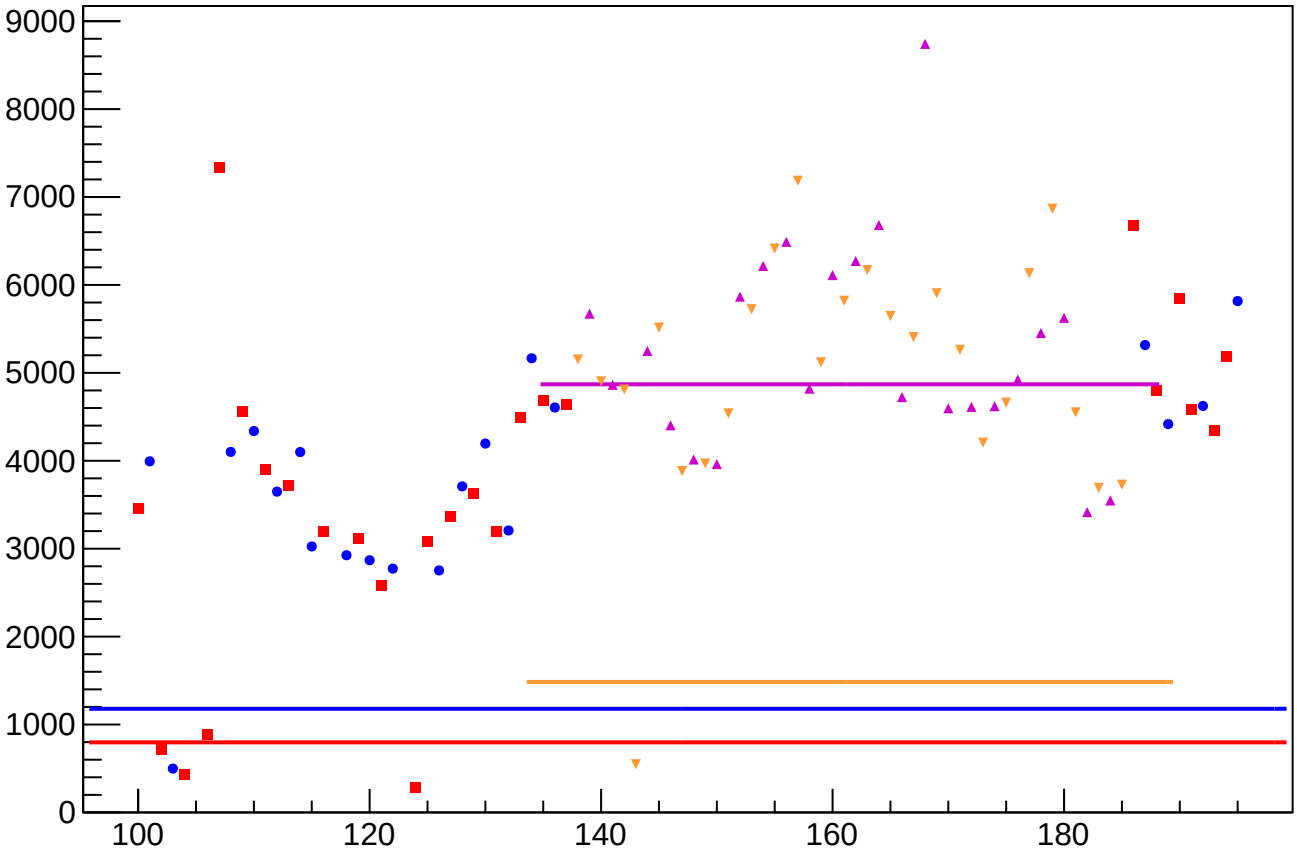
Right: 1690.809+/-0.264 χ^2/NDF: 541474.0/44

In: 1698.277+/-0.227 χ^2/NDF:279778.3/42

Out: 1719.695+/-0.222 χ^2/NDF:850084.8/49

All: 1709.228+/-0.159 χ^2/NDF: 1134414.5/92


asym_atl_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: 151.815+/-581.081 χ²/NDF: 21.0/19
Left Out: -987.621+/-541.250 χ²/NDF:30.8/24
Right Out: 337.209+/-419.251 χ²/NDF: 33.6/24
Left In: -239.582+/-1165.046 χ²/NDF:13.5/22
Left: -854.832+/-490.864 χ²/NDF: 44.7/47
Right: 273.740+/-339.994 χ²/NDF: 54.7/44
In: 73.846+/-519.992 χ²/NDF:34.7/42
Out: -159.604+/-331.447 χ²/NDF:68.1/49
All: -92.158+/-279.497 χ²/NDF: 102.9/92



Right In: 1179.402+/-0.411 χ^2/NDF: 11186089.2/19

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 797.112+/-0.296 χ^2/NDF: 13903660.7/24

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

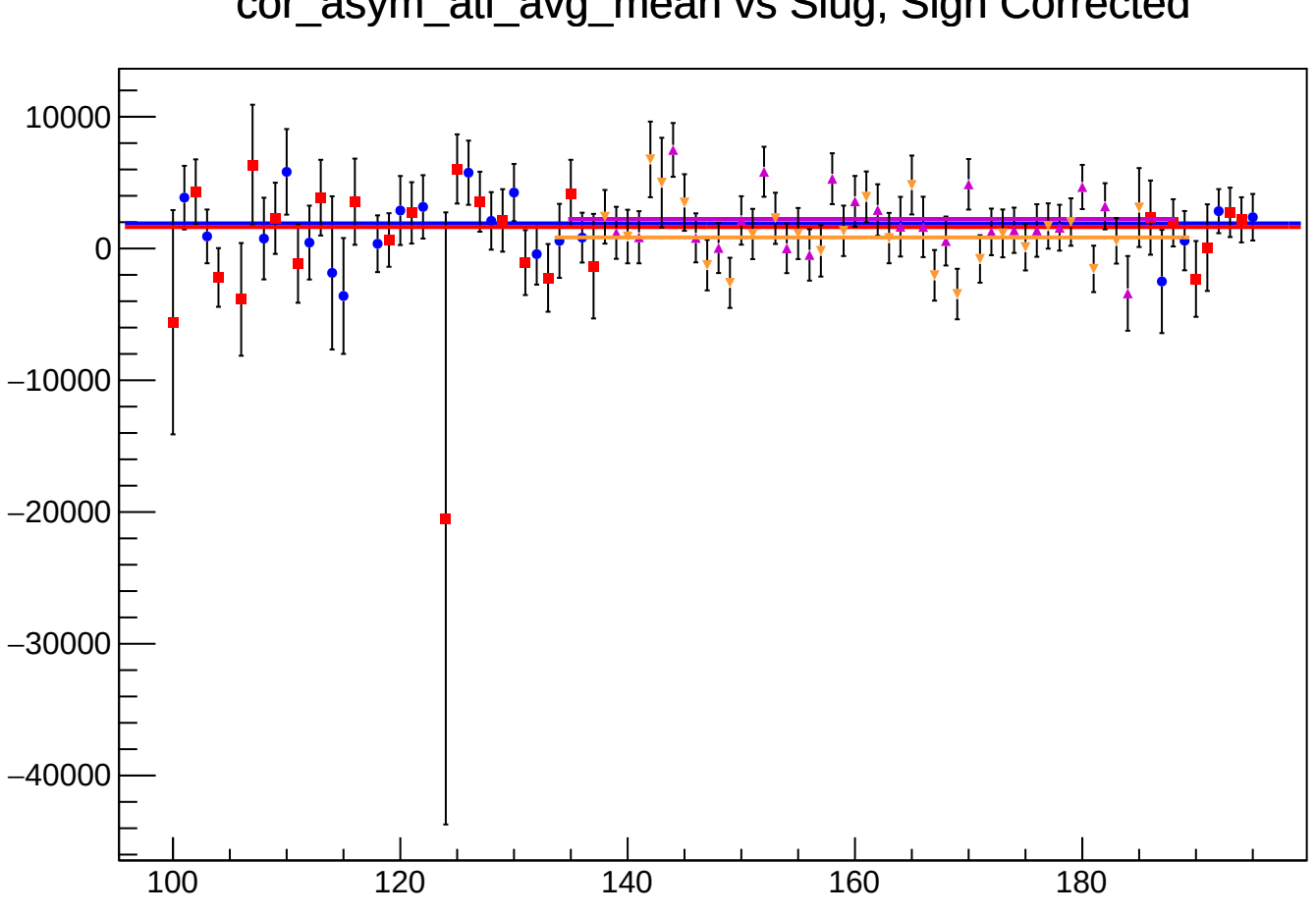
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 927.989+/-0.240 χ^2/NDF: 25659047.0/44

In: 1914.539+/-0.368 χ^2/NDF:28729279.0/42

Out: 1054.907+/-0.234 χ^2/NDF:39145103.8/49

All: 1303.262+/-0.198 χ^2/NDF: 71761148.9/9



Right In: 1908.818+/-536.328 χ^2/NDF: 12.9/19

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1627.308+/-519.793 χ^2/NDF: 22.0/24

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

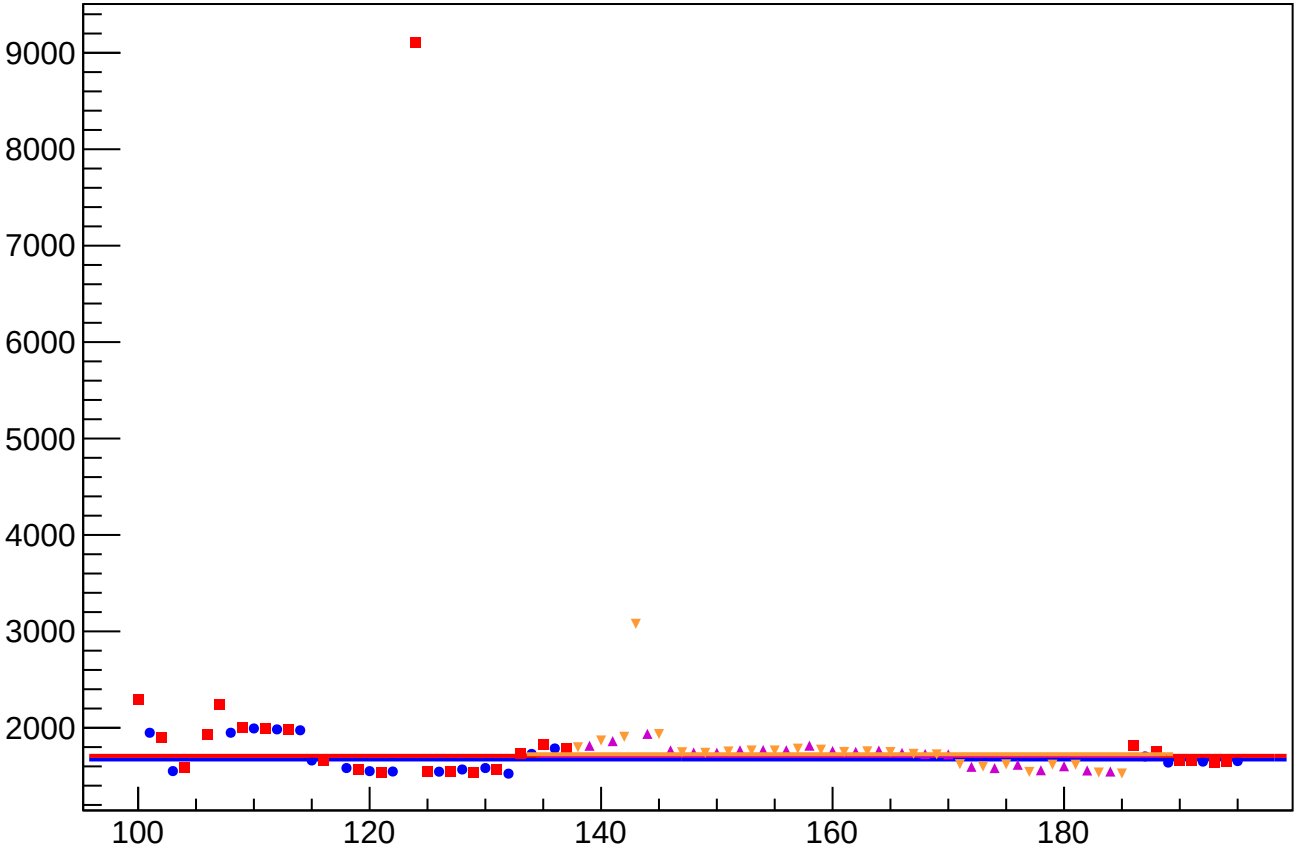
Right: 1763.657+/-373.258 χ^2/NDF: 35.0/44

In: 2124.589+/-321.031 χ^2/NDF:42.5/42

Out: 1128.692+/-314.216 χ^2/NDF:53.9/49

All: 1615.958+/-224.555 χ^2/NDF: 101.3/92

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1671.629+/-0.379 χ^2/NDF: 142793.7/19

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1709.254+/-0.367 χ^2/NDF: 395557.2/24

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

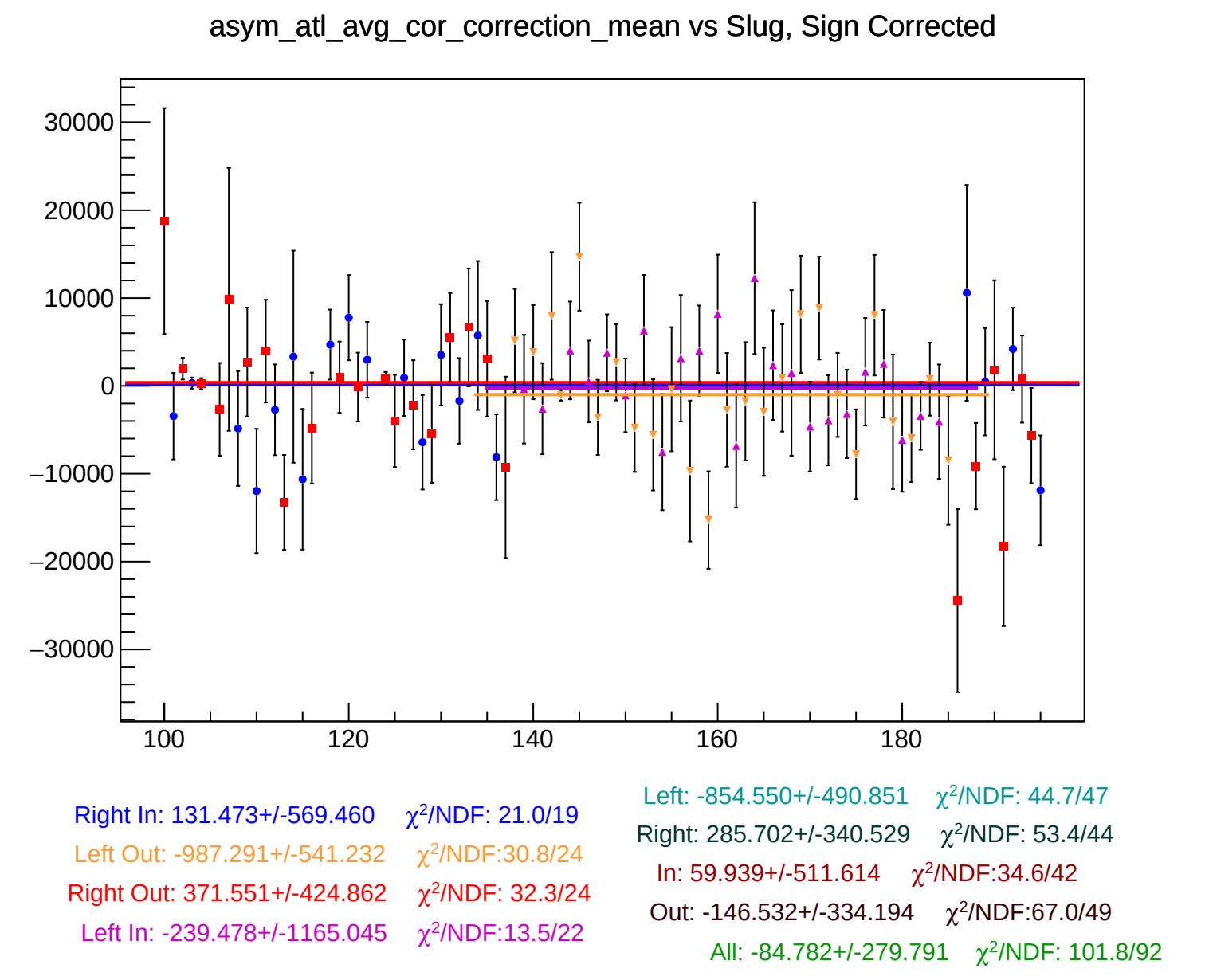
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

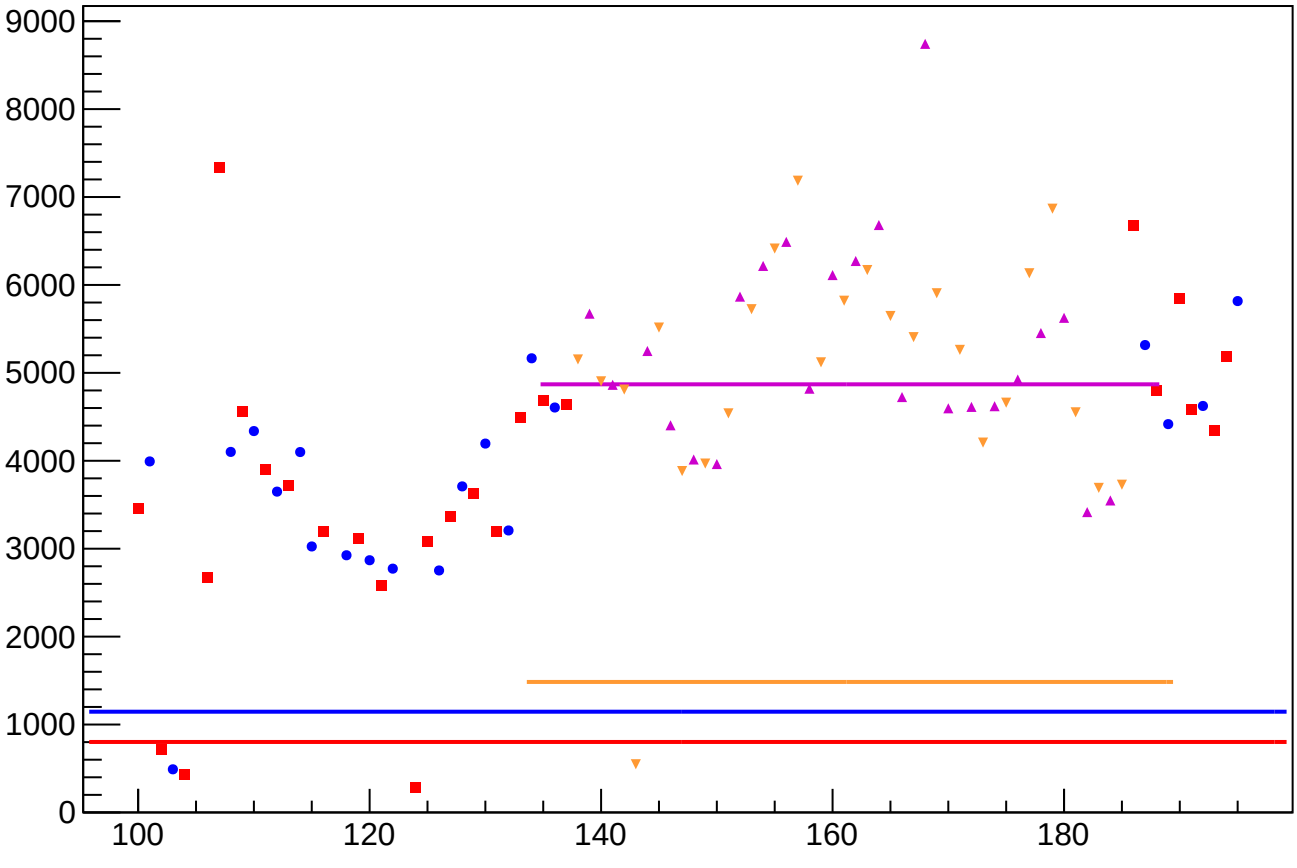
Right: 1691.083+/-0.264 χ^2/NDF: 543440.2/44

In: 1698.277+/-0.227 χ^2/NDF:279778.4/42

Out: 1719.896+/-0.222 χ^2/NDF:851819.1/49

All: 1709.330+/-0.159 χ^2/NDF: 1136234.3/92


asym_atl_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: 131.473+/-569.460 χ²/NDF: 21.0/19
Left Out: -987.291+/-541.232 χ²/NDF:30.8/24
Right Out: 371.551+/-424.862 χ²/NDF: 32.3/24
Left In: -239.478+/-1165.045 χ²/NDF:13.5/22
Left: -854.550+/-490.851 χ²/NDF: 44.7/47
Right: 285.702+/-340.529 χ²/NDF: 53.4/44
In: 59.939+/-511.614 χ²/NDF:34.6/42
Out: -146.532+/-334.194 χ²/NDF:67.0/49
All: -84.782+/-279.791 χ²/NDF: 101.8/92



Right In: 1145.966+/-0.403 χ^2/NDF: 11347003.0/19

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 801.749+/-0.300 χ^2/NDF: 14174606.5/24

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

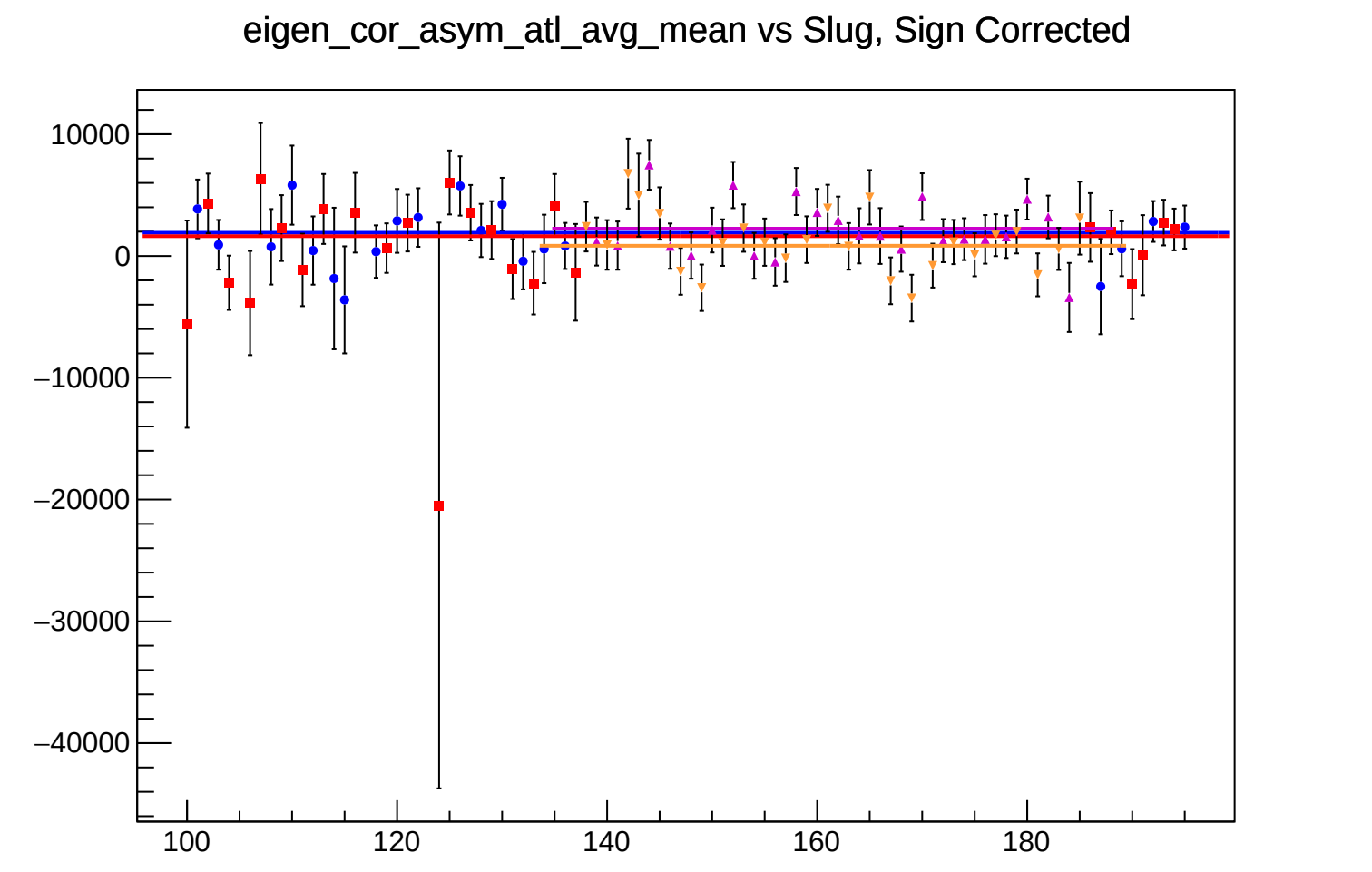
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 924.837+/-0.241 χ^2/NDF: 25991052.5/44

In: 1864.055+/-0.362 χ^2/NDF:29312776.3/42

Out: 1062.055+/-0.236 χ^2/NDF:39369288.2/49

All: 1301.915+/-0.198 χ^2/NDF: 72126869.0/9



Right In: 1908.818+/-536.328 χ^2/NDF: 12.9/19

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1627.308+/-519.793 χ^2/NDF: 22.0/24

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

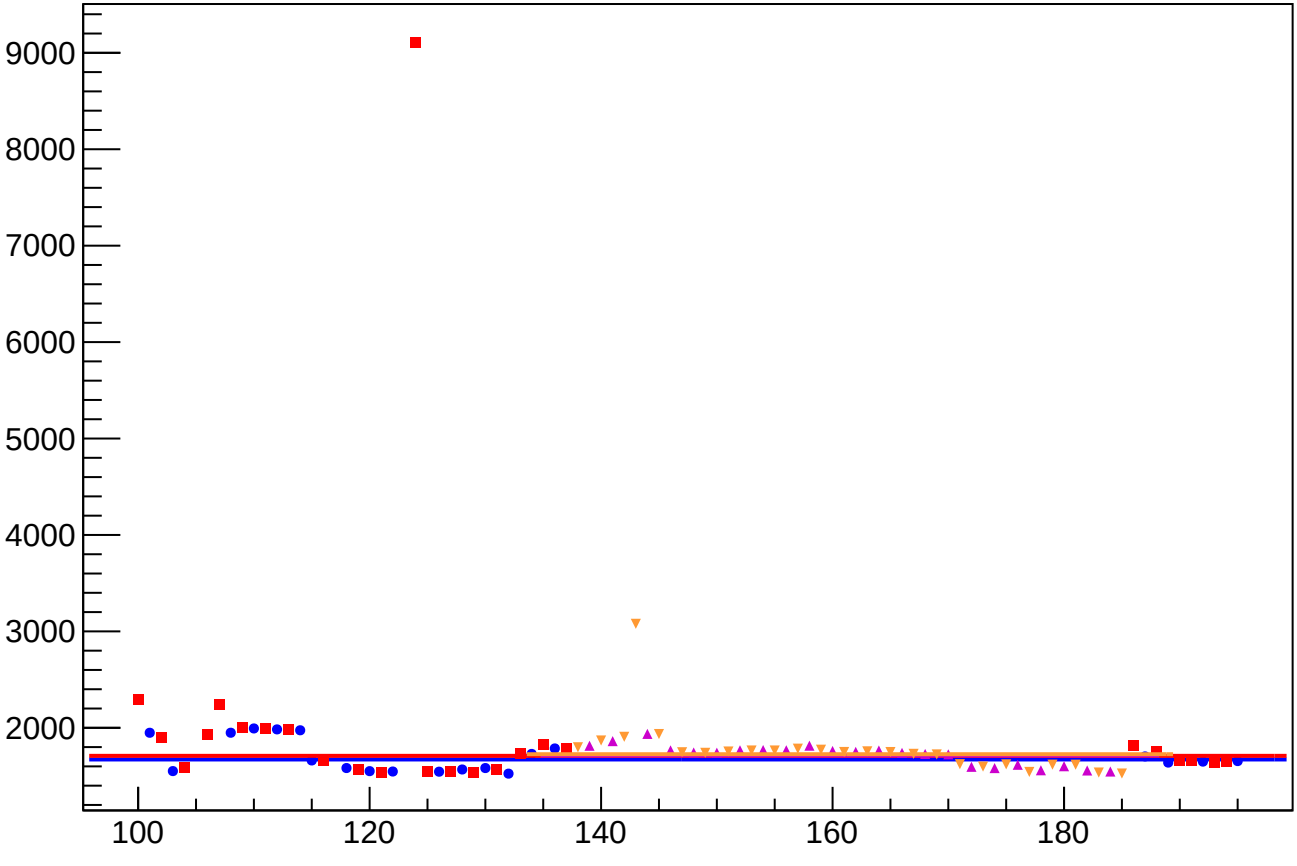
Right: 1763.657+/-373.258 χ^2/NDF: 35.0/44

In: 2124.589+/-321.031 χ^2/NDF:42.5/42

Out: 1128.692+/-314.216 χ^2/NDF:53.9/49

All: 1615.958+/-224.555 χ^2/NDF: 101.3/92

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1671.629+/-0.379 χ^2/NDF: 142793.7/19

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1709.254+/-0.367 χ^2/NDF: 395557.2/24

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

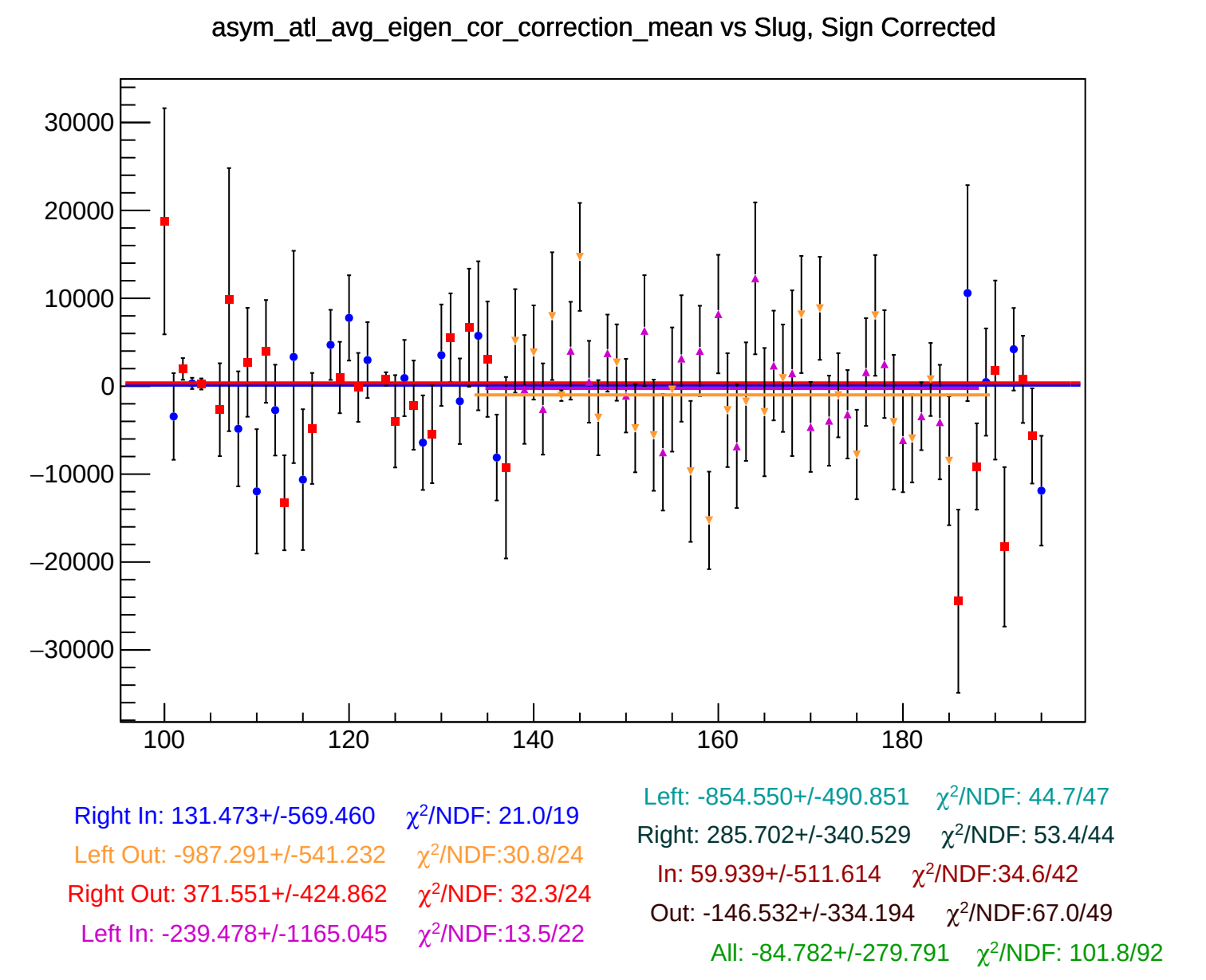
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1691.083+/-0.264 χ^2/NDF: 543440.2/44

In: 1698.277+/-0.227 χ^2/NDF:279778.4/42

Out: 1719.896+/-0.222 χ^2/NDF:851819.1/49

All: 1709.330+/-0.159 χ^2/NDF: 1136234.3/92


asym_atl_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
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−10000
−20000
−30000
100
120
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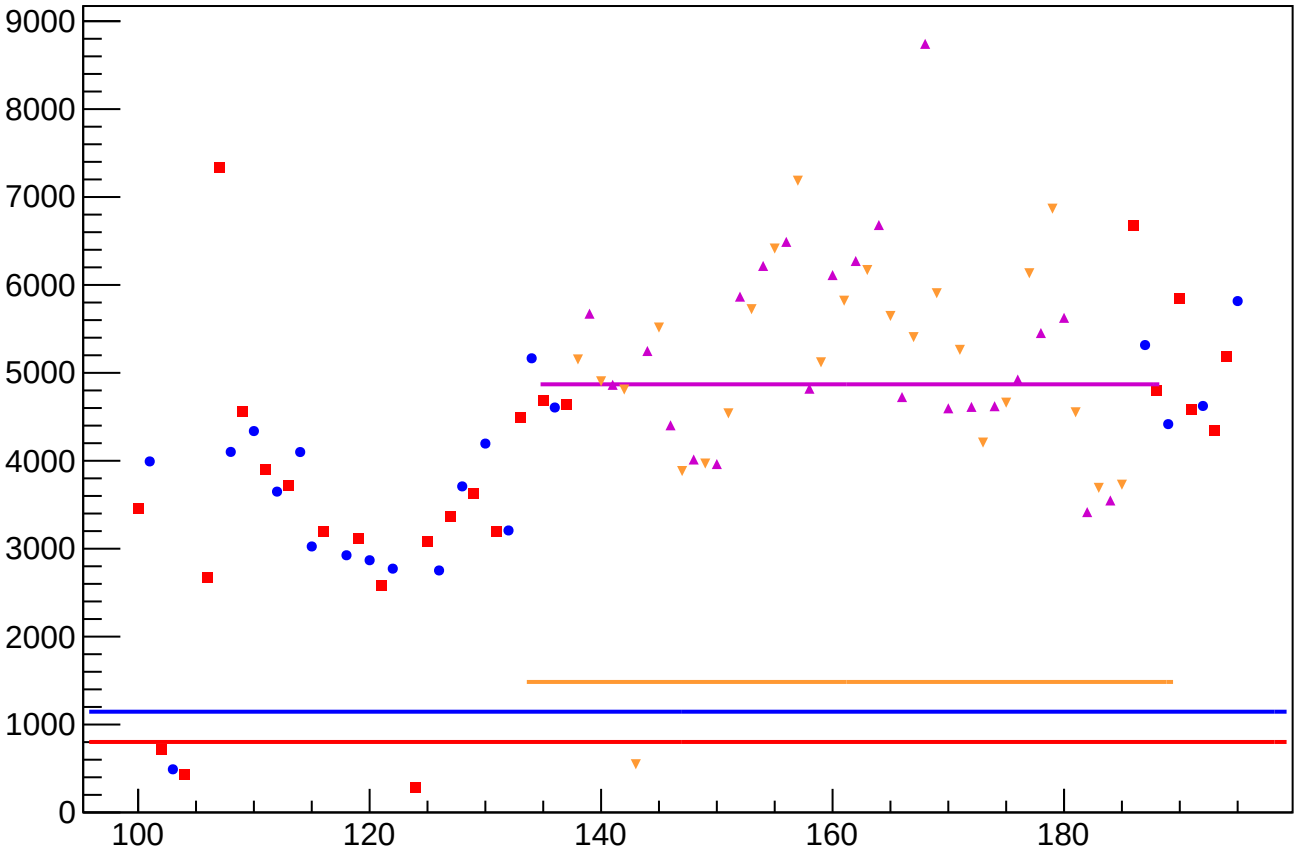
180
Right In: 131.473+/-569.460 χ²/NDF: 21.0/19
Left Out: -987.291+/-541.232 χ²/NDF:30.8/24
Right Out: 371.551+/-424.862 χ²/NDF: 32.3/24
Left In: -239.478+/-1165.045 χ²/NDF:13.5/22
Left: -854.550+/-490.851 χ²/NDF: 44.7/47
Right: 285.702+/-340.529 χ²/NDF: 53.4/44
In: 59.939+/-511.614 χ²/NDF:34.6/42
Out: -146.532+/-334.194 χ²/NDF:67.0/49
All: -84.782+/-279.791 χ²/NDF: 101.8/92



Right In: 1145.966+/-0.403 χ^2/NDF: 11347003.0/19

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 801.749+/-0.300 χ^2/NDF: 14174606.5/24

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

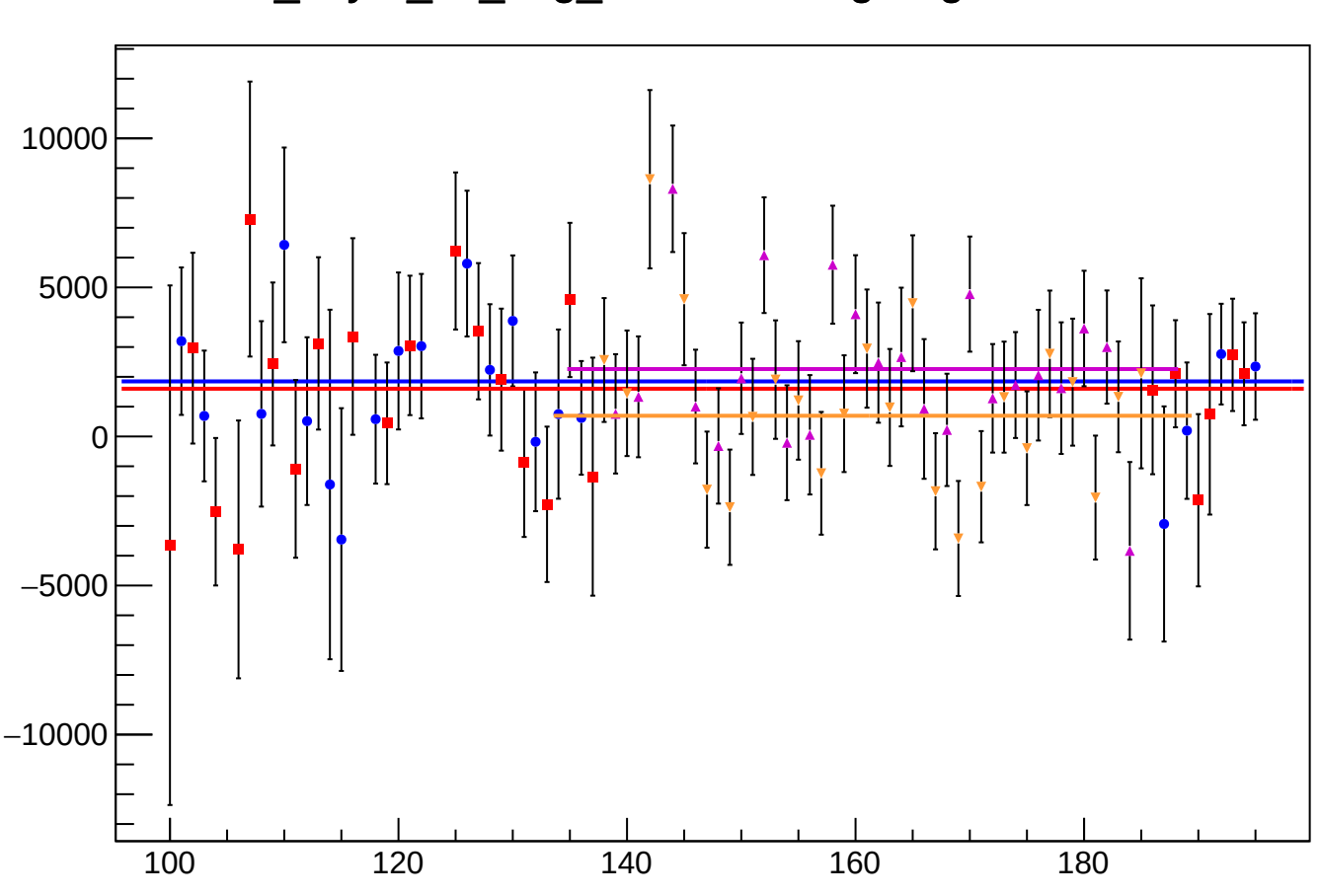
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 924.837+/-0.241 χ^2/NDF: 25991052.5/44

In: 1864.055+/-0.362 χ^2/NDF:29312776.3/42

Out: 1062.055+/-0.236 χ^2/NDF:39369288.2/49

All: 1301.915+/-0.198 χ^2/NDF: 72126869.0/9



Right In: 1847.177+/-543.256 χ^2/NDF: 12.6/19

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1601.269+/-530.871 χ^2/NDF: 19.7/23

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

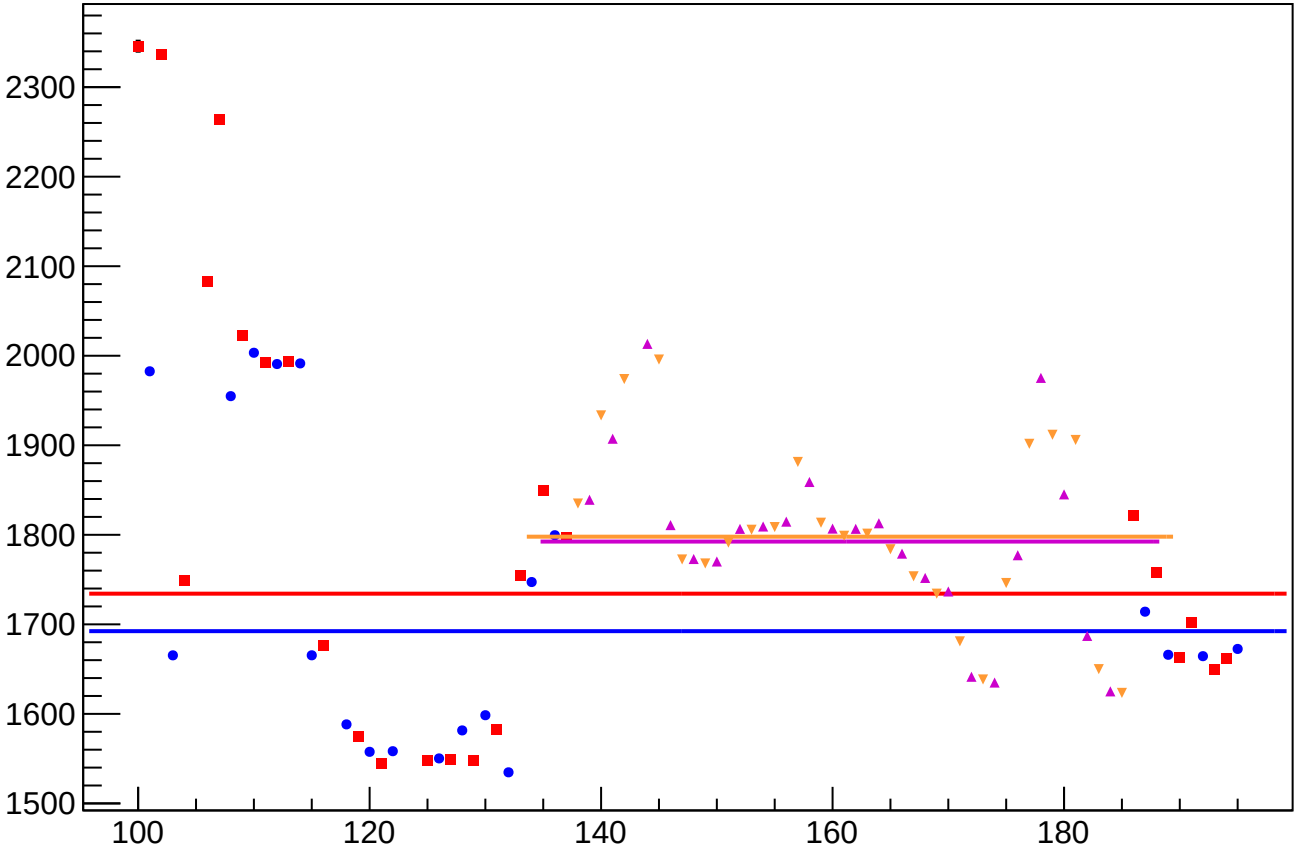
Right: 1721.388+/-379.686 χ^2/NDF: 32.4/43

In: 2107.048+/-331.869 χ^2/NDF:43.4/42

Out: 1041.465+/-328.439 χ^2/NDF:53.7/47

All: 1568.721+/-233.445 χ^2/NDF: 102.3/90

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1692.393+/-0.384 χ^2/NDF: 136853.3/19

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1734.260+/-0.375 χ^2/NDF: 260708.9/23

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

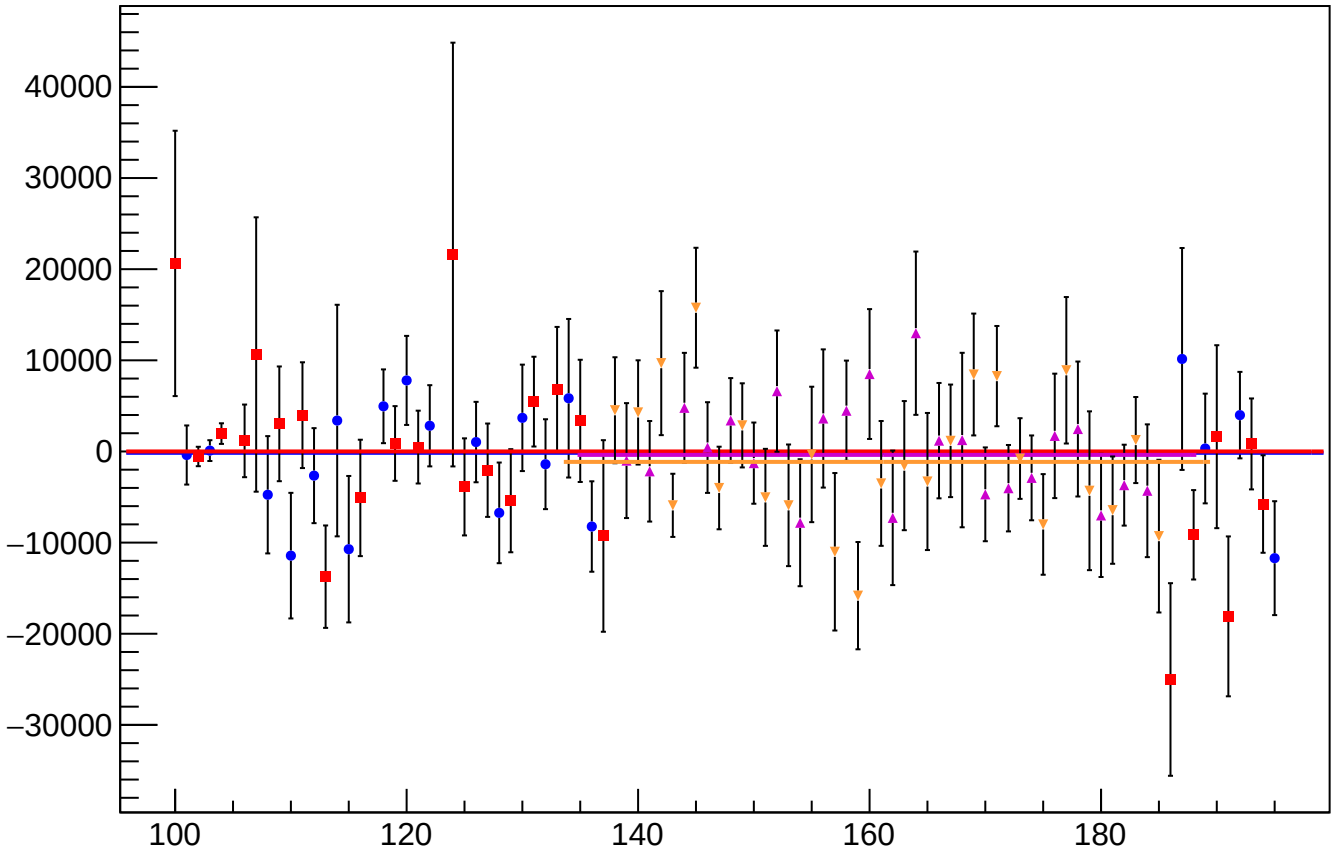
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1713.840+/-0.268 χ^2/NDF: 403647.1/43

In: 1755.111+/-0.235 χ^2/NDF:272254.4/42

Out: 1773.503+/-0.232 χ^2/NDF:376488.7/47

All: 1764.407+/-0.165 χ^2/NDF: 651848.1/90



Right In: -147.839+/-835.439 χ^2/NDF: 20.0/19

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 1.935+/-657.019 χ^2/NDF: 33.5/24

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

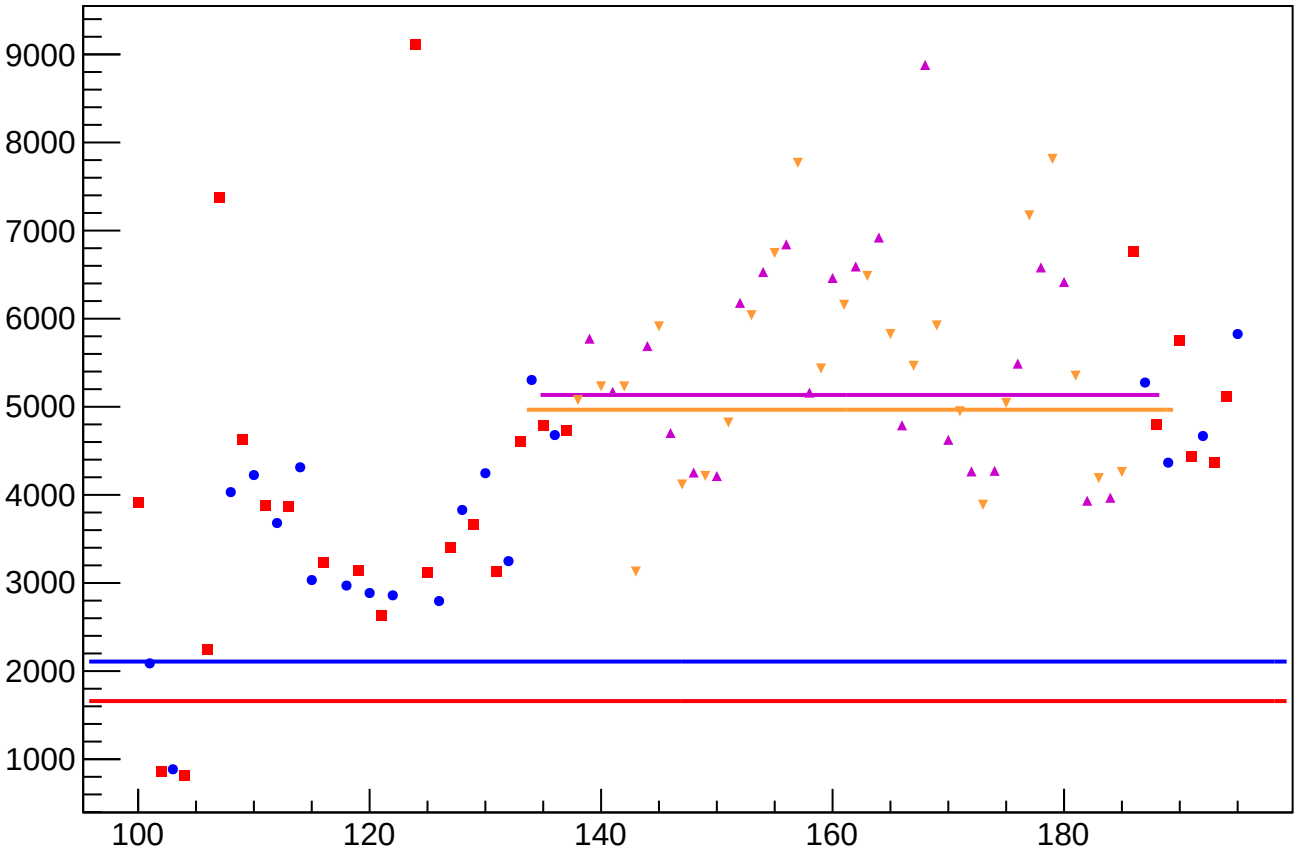
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: -55.299+/-516.445 χ^2/NDF: 53.5/44

In: -219.634+/-690.867 χ^2/NDF:33.3/42

Out: -274.880+/-572.219 χ^2/NDF:66.8/49

All: -252.401+/-440.688 χ^2/NDF: 100.1/92



Right In: 2108.302+/-0.591 χ^2/NDF: 6261705.8/19

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1659.688+/-0.465 χ^2/NDF: 9423271.5/24

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

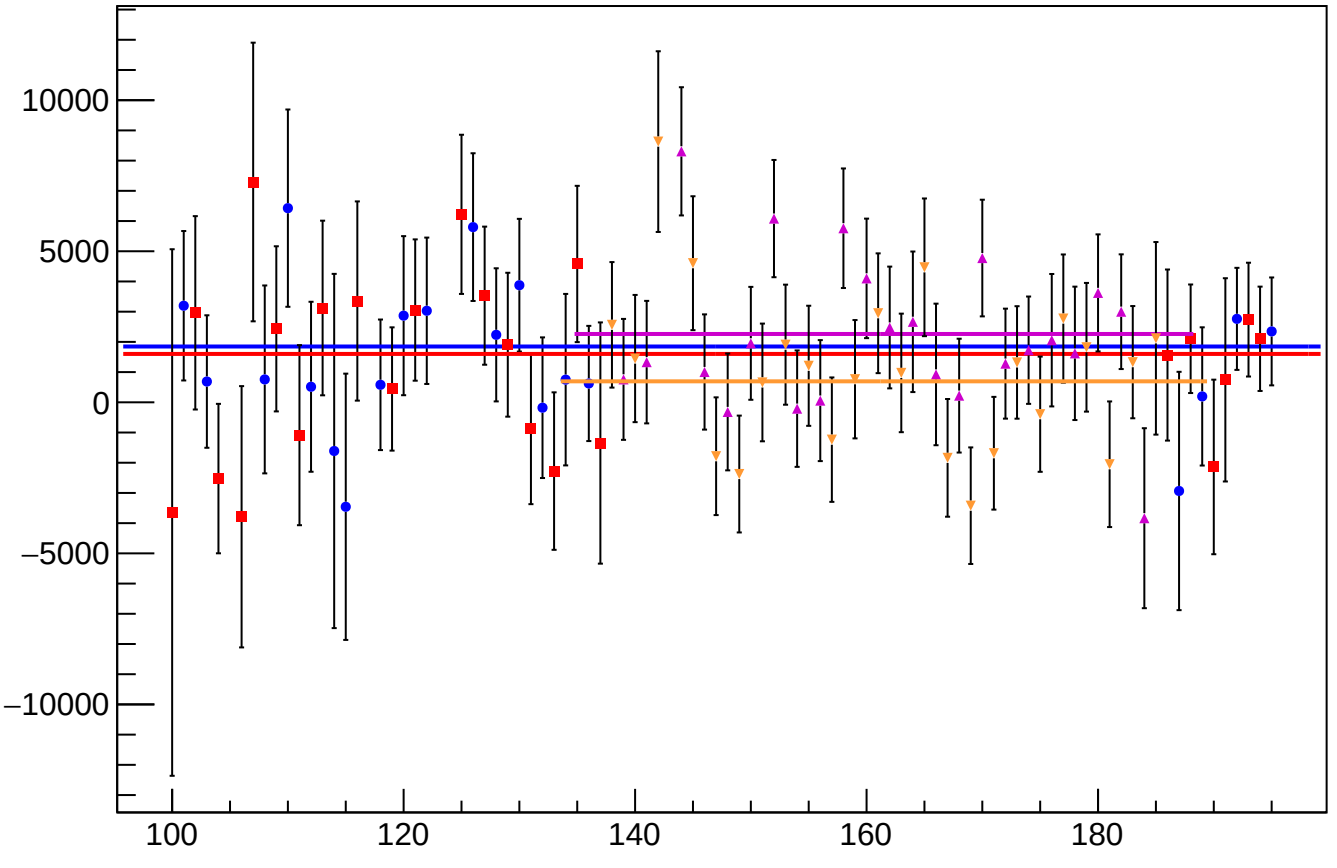
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1831.120+/-0.365 χ^2/NDF: 16041296.4/44

In: 3065.026+/-0.489 χ^2/NDF:16044932.4/42

Out: 2458.299+/-0.405 χ^2/NDF:23578053.5/49

All: 2705.168+/-0.312 χ^2/NDF: 40537869.4/9



Right In: 1847.173+/-543.256 χ^2/NDF: 12.6/19

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1601.266+/-530.871 χ^2/NDF: 19.7/23

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

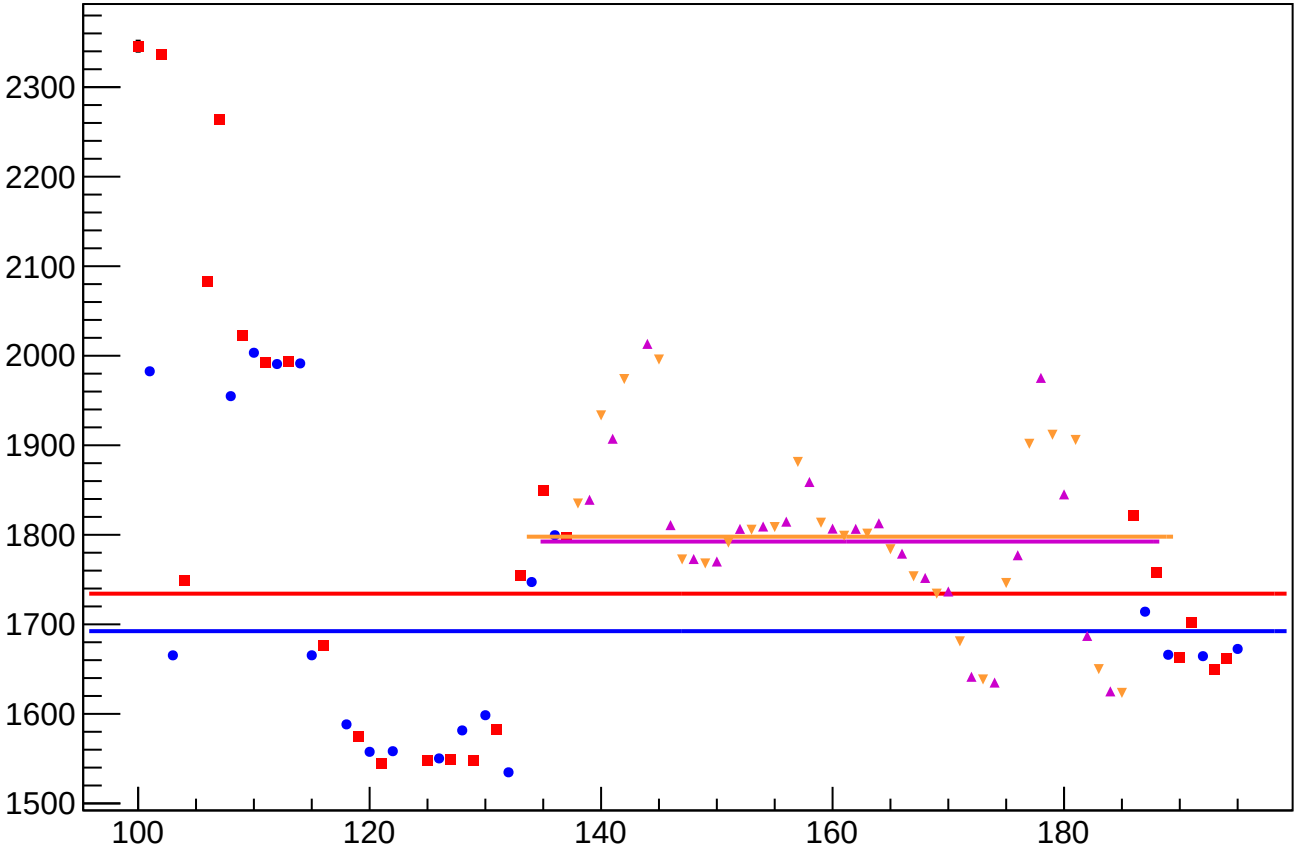
Right: 1721.385+/-379.686 χ^2/NDF: 32.4/43

In: 2107.046+/-331.869 χ^2/NDF:43.4/42

Out: 1041.462+/-328.439 χ^2/NDF:53.7/47

All: 1568.719+/-233.445 χ^2/NDF: 102.3/90

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1692.393+/-0.384 χ^2/NDF: 136853.5/19

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1734.260+/-0.375 χ^2/NDF: 260708.2/23

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

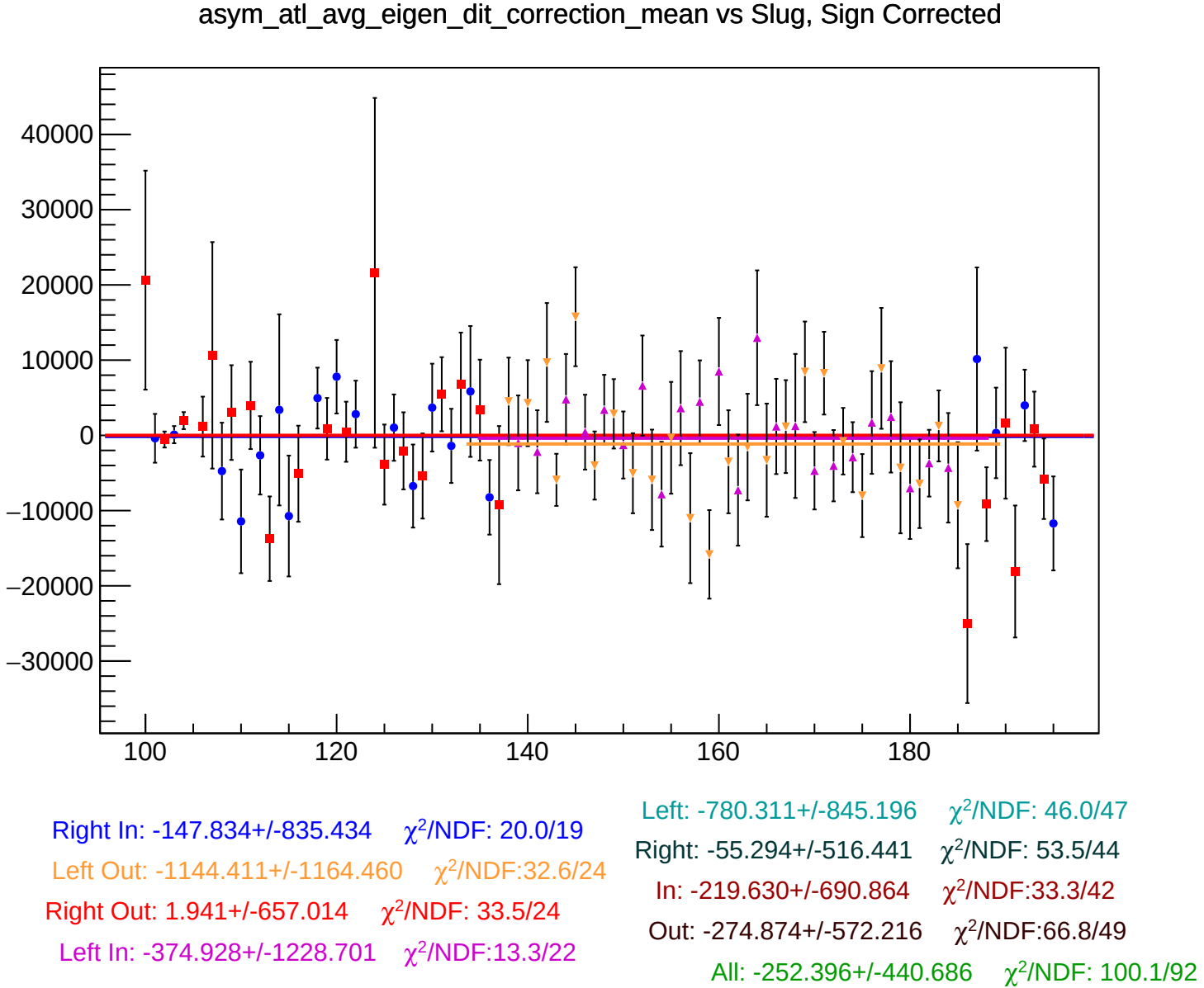
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

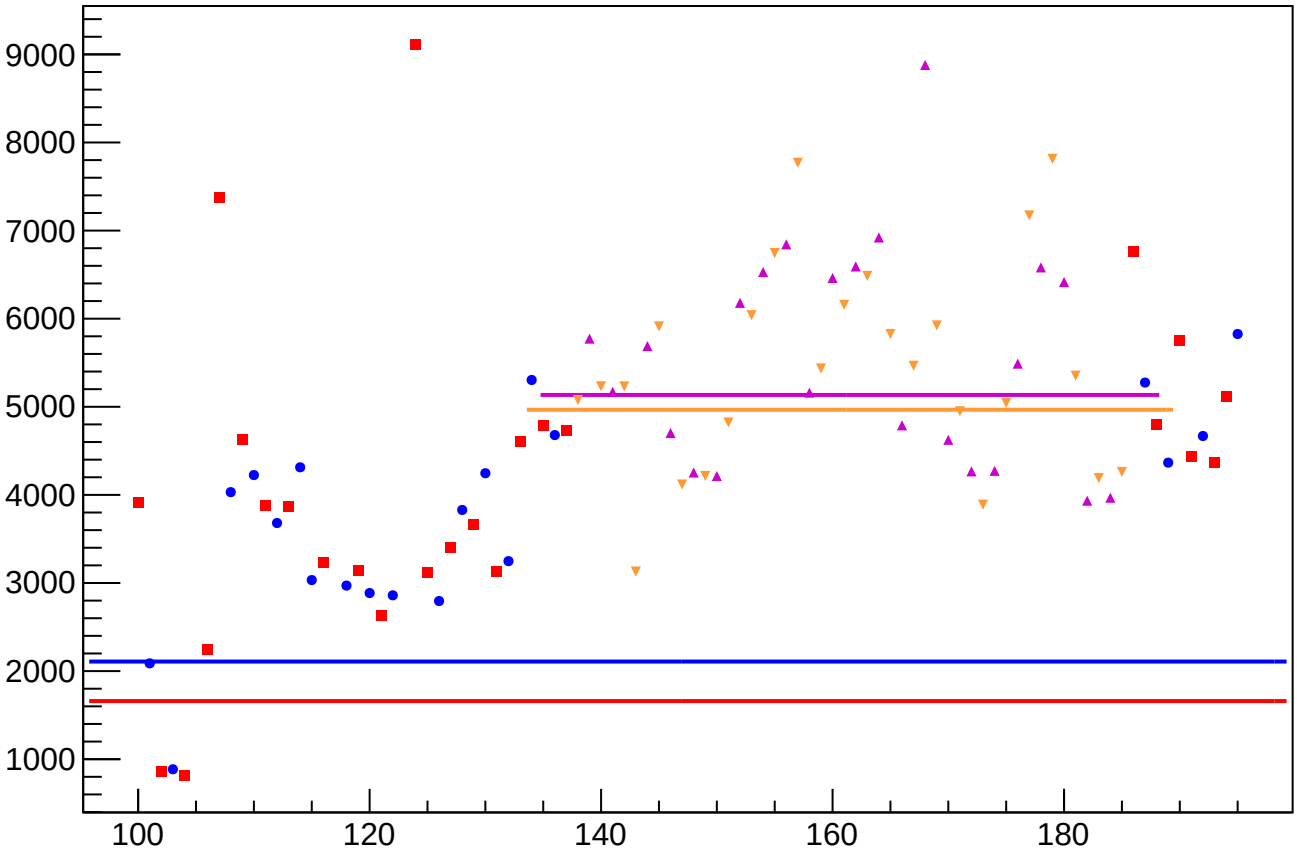
Right: 1713.840+/-0.268 χ^2/NDF: 403646.7/43

In: 1755.111+/-0.235 χ^2/NDF:272259.2/42

Out: 1773.503+/-0.232 χ^2/NDF:376492.3/47

All: 1764.408+/-0.165 χ^2/NDF: 651856.6/90


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: -147.834+/-835.434 χ²/NDF: 20.0/19
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: 1.941+/-657.014 χ²/NDF: 33.5/24
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: -55.294+/-516.441 χ²/NDF: 53.5/44
In: -219.630+/-690.864 χ²/NDF:33.3/42
Out: -274.874+/-572.216 χ²/NDF:66.8/49
All: -252.396+/-440.686 χ²/NDF: 100.1/92



Right In: 2108.284+/-0.591 χ^2/NDF: 6261769.2/19

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1659.672+/-0.465 χ^2/NDF: 9423340.5/24

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

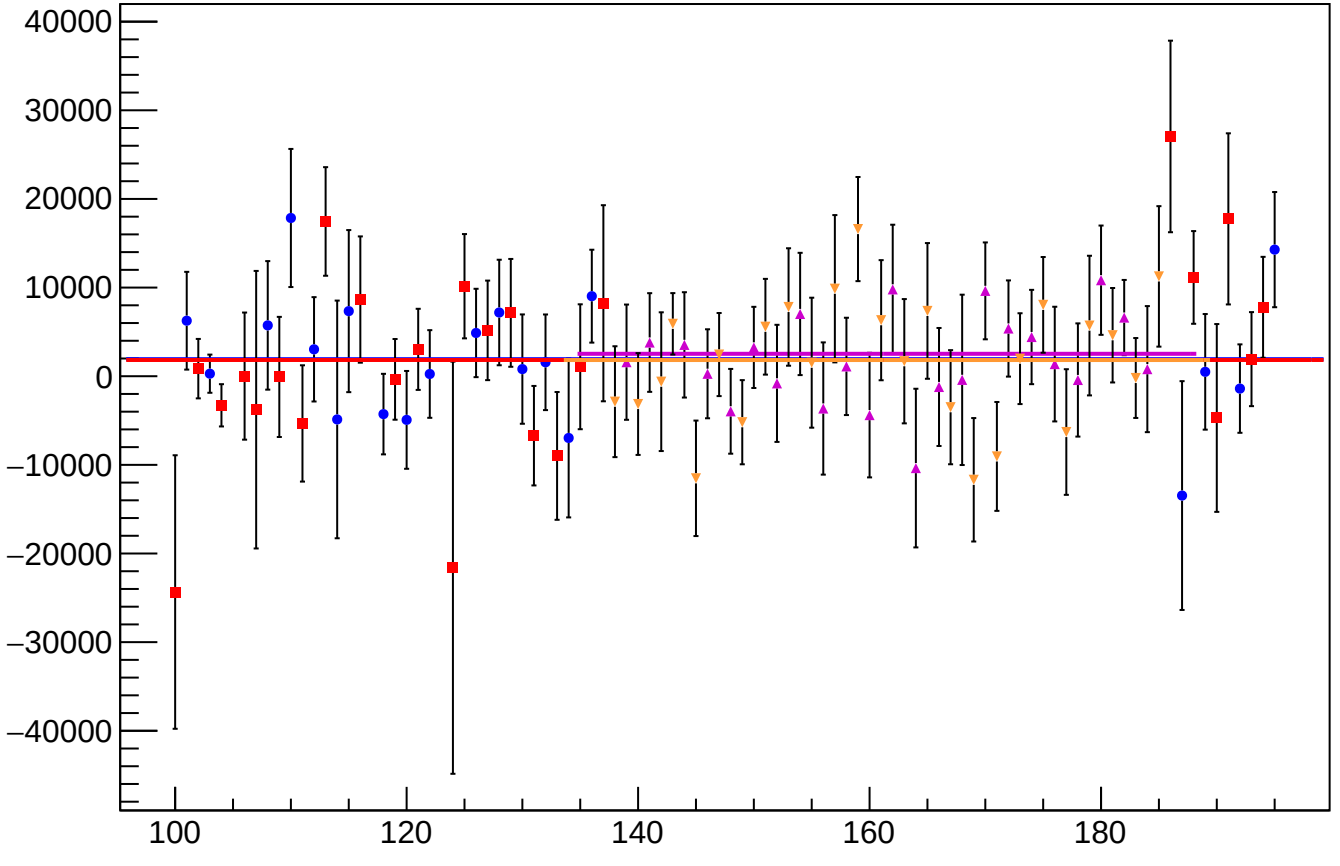
Right: 1831.103+/-0.365 χ^2/NDF: 16041429.9/44

In: 3065.006+/-0.489 χ^2/NDF:16045154.8/42

Out: 2458.278+/-0.405 χ^2/NDF:23578312.2/49

All: 2705.147+/-0.312 χ^2/NDF: 40538360.7/9

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1920.068+/-1175.176 χ^2/NDF: 19.3/19

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 1831.942+/-1132.294 χ^2/NDF: 38.6/24

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

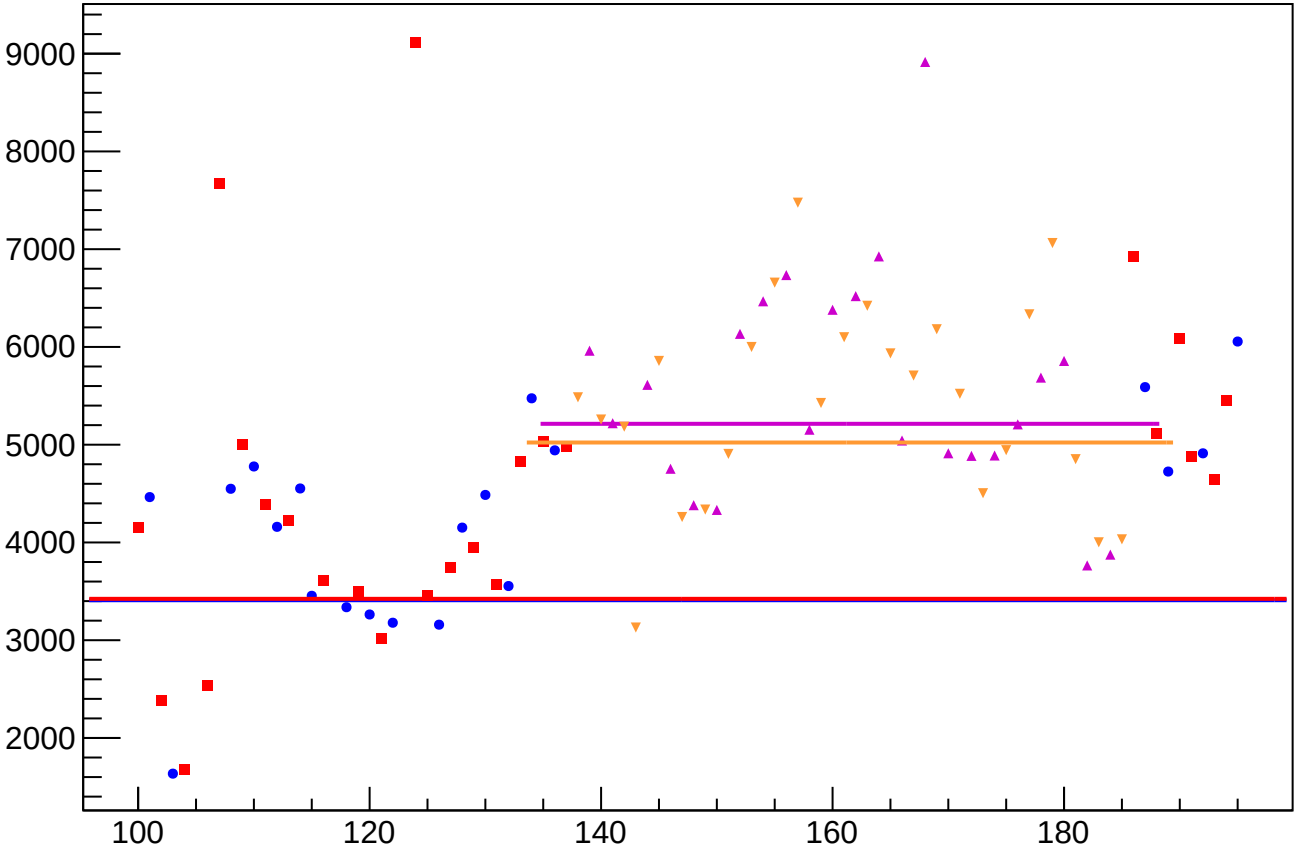
Right: 1874.368+/-815.391 χ^2/NDF: 58.0/44

In: 2207.940+/-853.634 χ^2/NDF:32.6/42

Out: 1829.172+/-814.488 χ^2/NDF:69.7/49

All: 2009.672+/-589.283 χ^2/NDF: 102.5/92

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3409.116+/-0.831 χ^2/NDF: 2623549.7/19

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3423.257+/-0.790 χ^2/NDF: 2999920.9/24

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

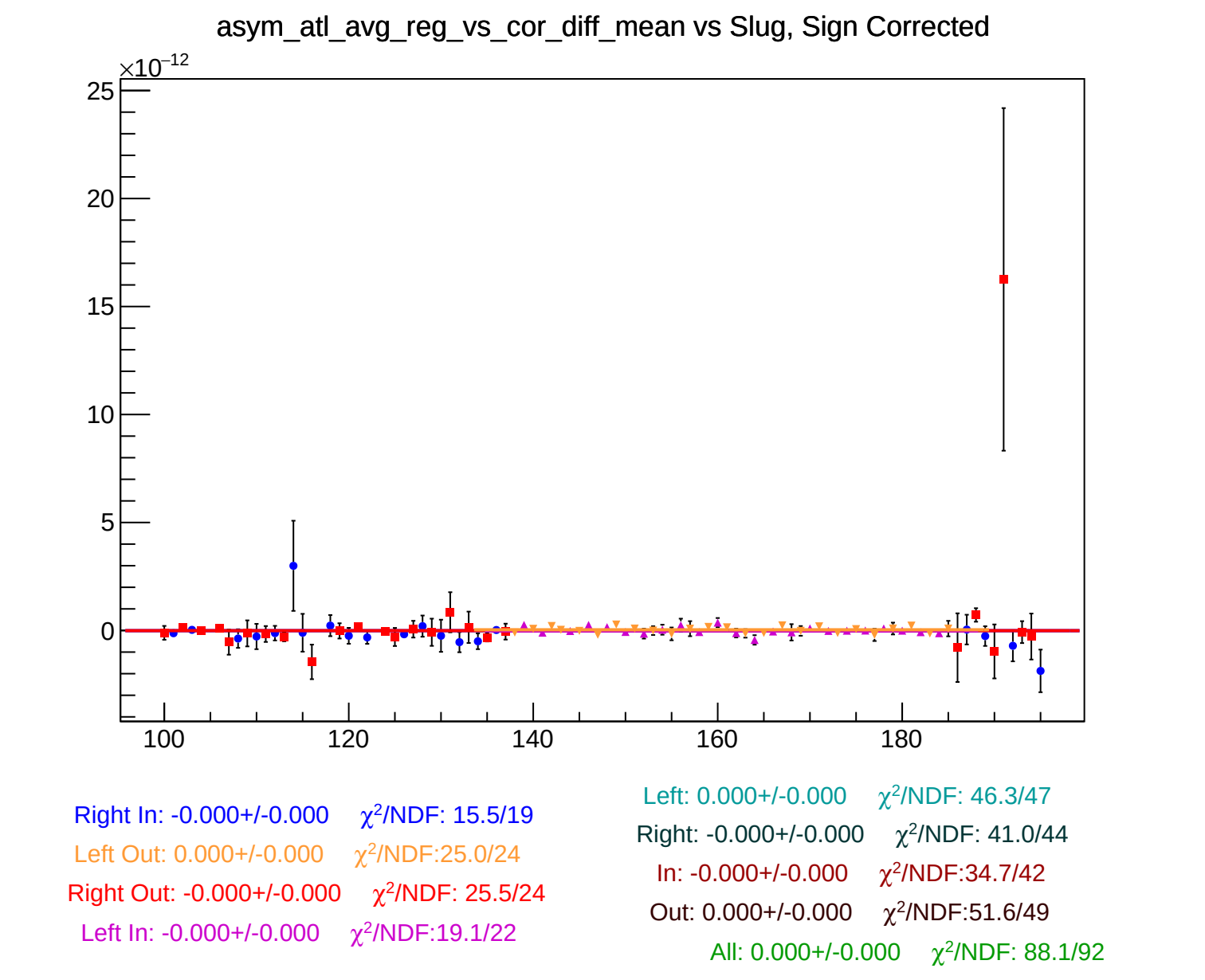
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

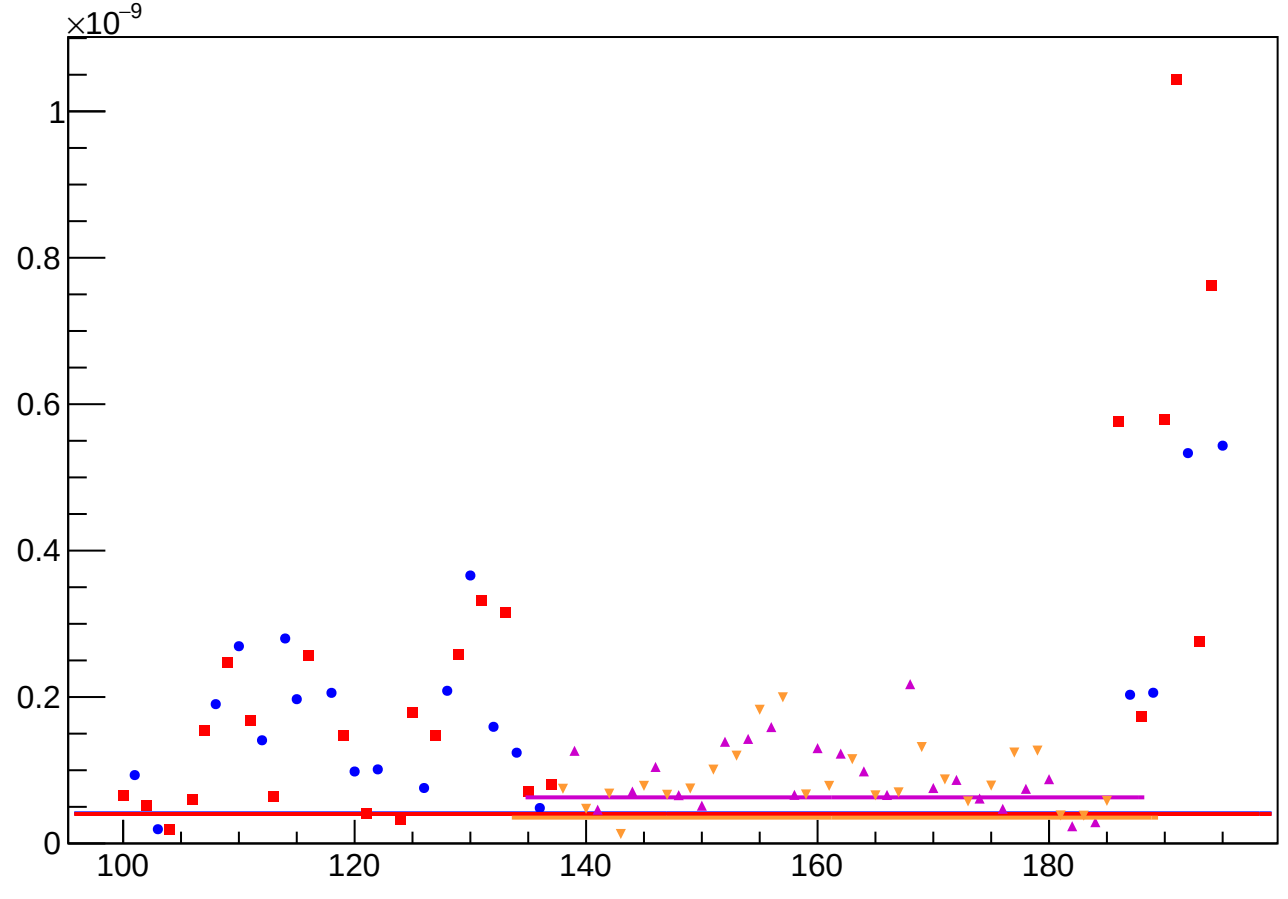
Right: 3416.541+/-0.573 χ^2/NDF: 5623622.7/44

In: 4261.492+/-0.604 χ^2/NDF:6074232.0/42

Out: 4184.505+/-0.572 χ^2/NDF:6625941.6/49

All: 4220.931+/-0.415 χ^2/NDF: 12708744.1/9


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
0
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 15.5/19
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.5/24
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/47
Right: -0.000+/-0.000 χ²/NDF: 41.0/44
In: -0.000+/-0.000 χ²/NDF:34.7/42
Out: 0.000+/-0.000 χ²/NDF:51.6/49
All: 0.000+/-0.000 χ²/NDF: 88.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 4725561.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5060513.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

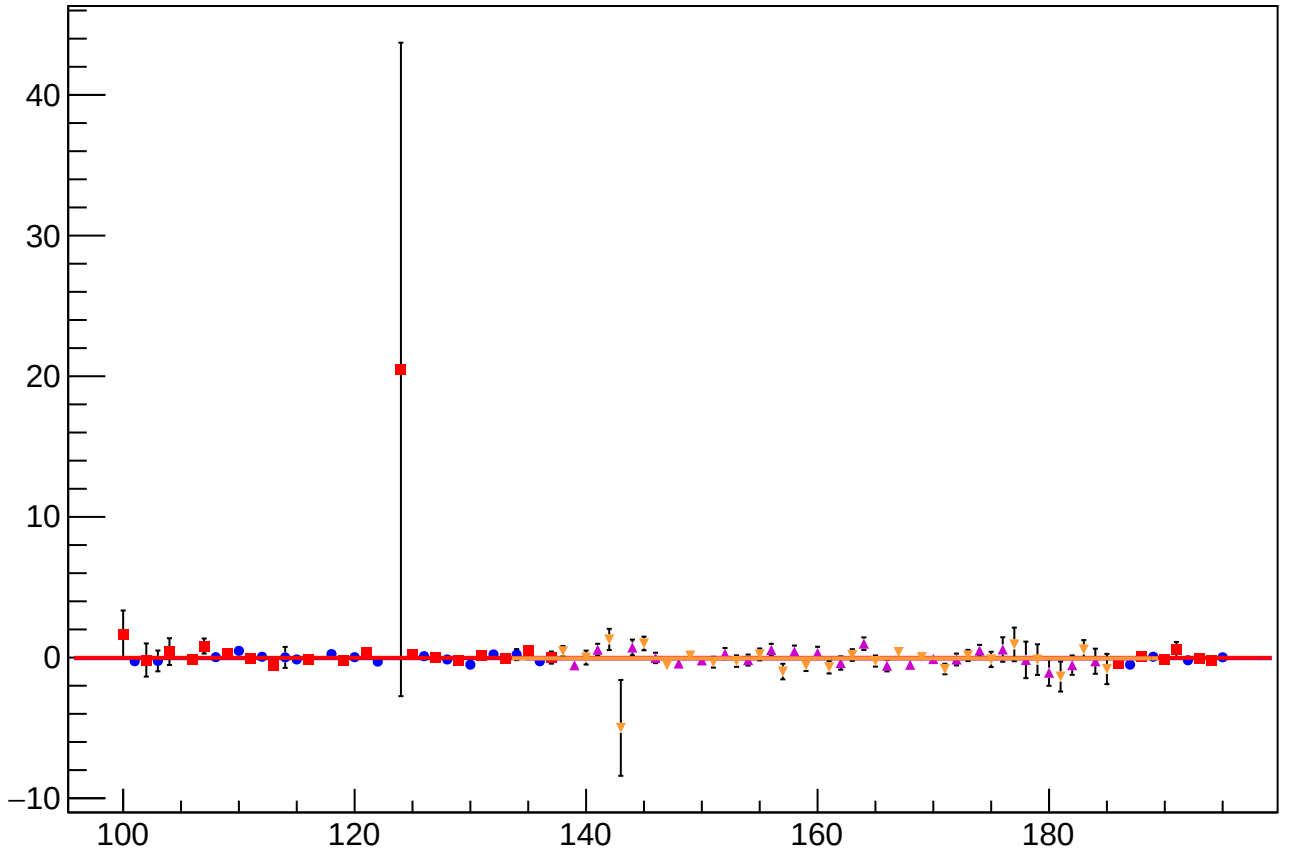
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 9786725.8/44

In: 0.000+/-0.000 χ^2/NDF:8162375.2/42

Out: 0.000+/-0.000 χ^2/NDF:11607367.6/49

All: 0.000+/-0.000 χ^2/NDF: 20650771.1/92



Right In: -0.043+/-0.051 χ^2/NDF: 20.1/19

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.018+/-0.043 χ^2/NDF: 28.7/24

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

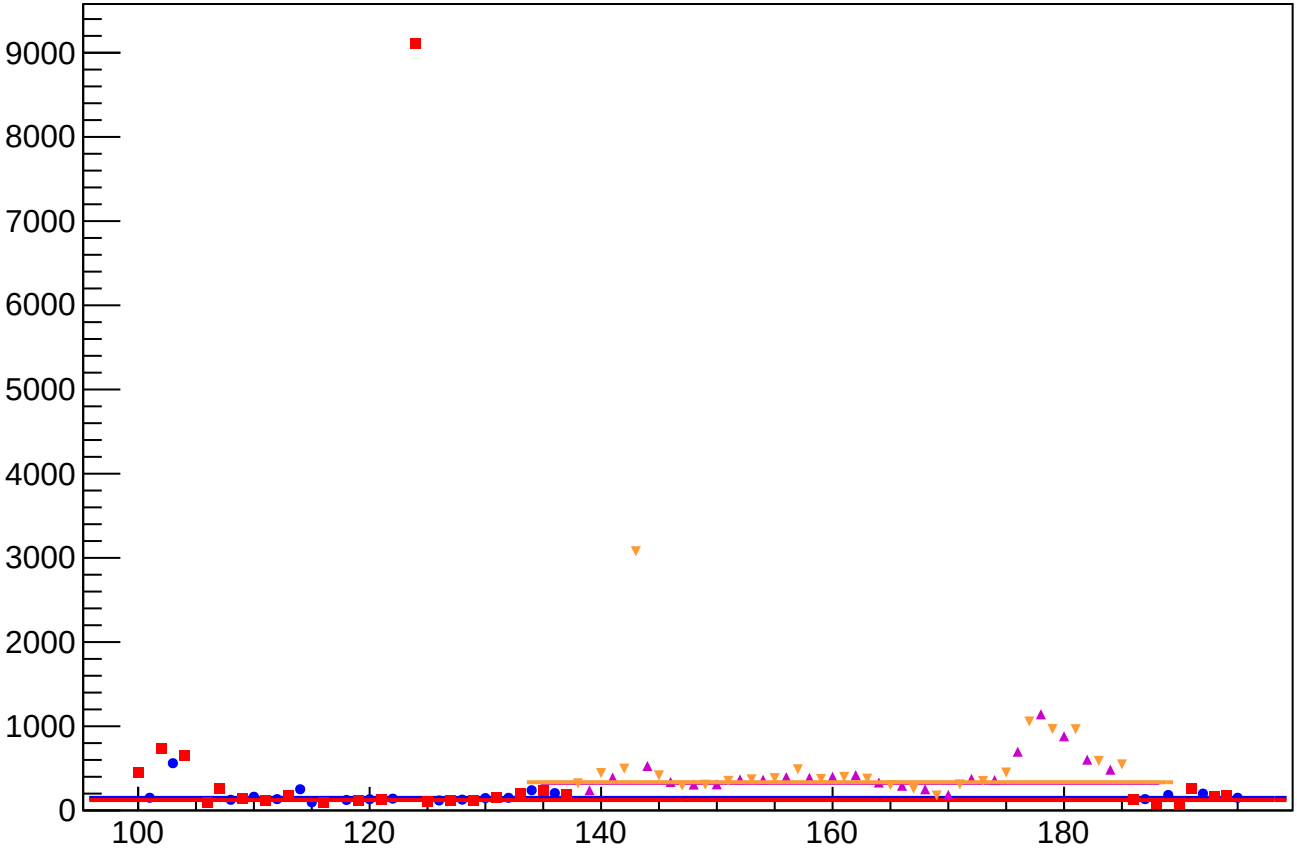
Right: -0.028+/-0.033 χ^2/NDF: 49.0/44

In: -0.049+/-0.044 χ^2/NDF:48.2/42

Out: -0.025+/-0.038 χ^2/NDF:61.9/49

All: -0.035+/-0.029 χ^2/NDF: 110.3/92

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.384+/-0.036 χ^2/NDF: 1297979.0/19

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 123.453+/-0.030 χ^2/NDF: 3240279.3/24

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

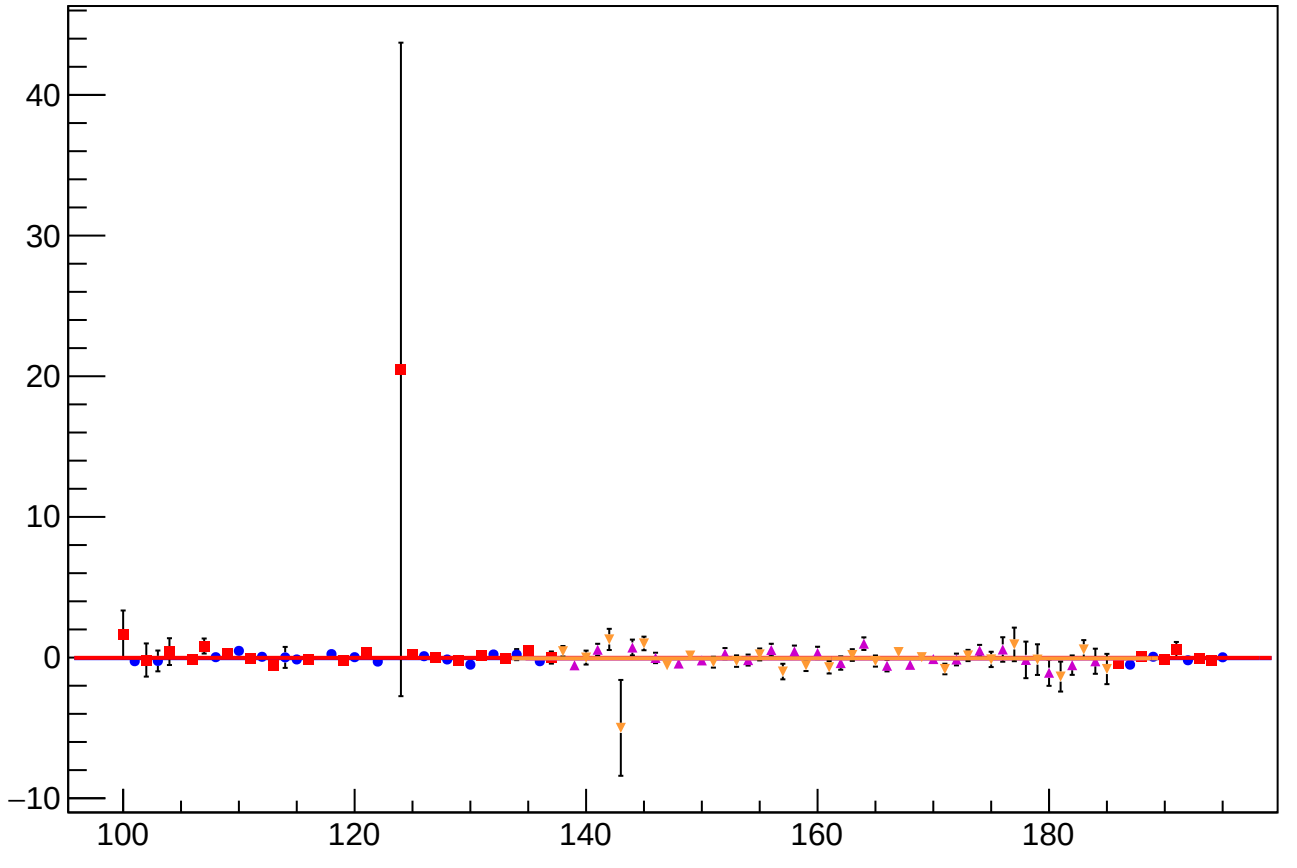
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 134.055+/-0.023 χ^2/NDF: 4839638.0/44

In: 198.947+/-0.031 χ^2/NDF:12147017.4/42

Out: 166.451+/-0.027 χ^2/NDF:19071441.0/49

All: 180.520+/-0.020 χ^2/NDF: 31847402.9/92



Right In: -0.043+/-0.051 χ^2/NDF: 20.1/19

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.018+/-0.043 χ^2/NDF: 28.7/24

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

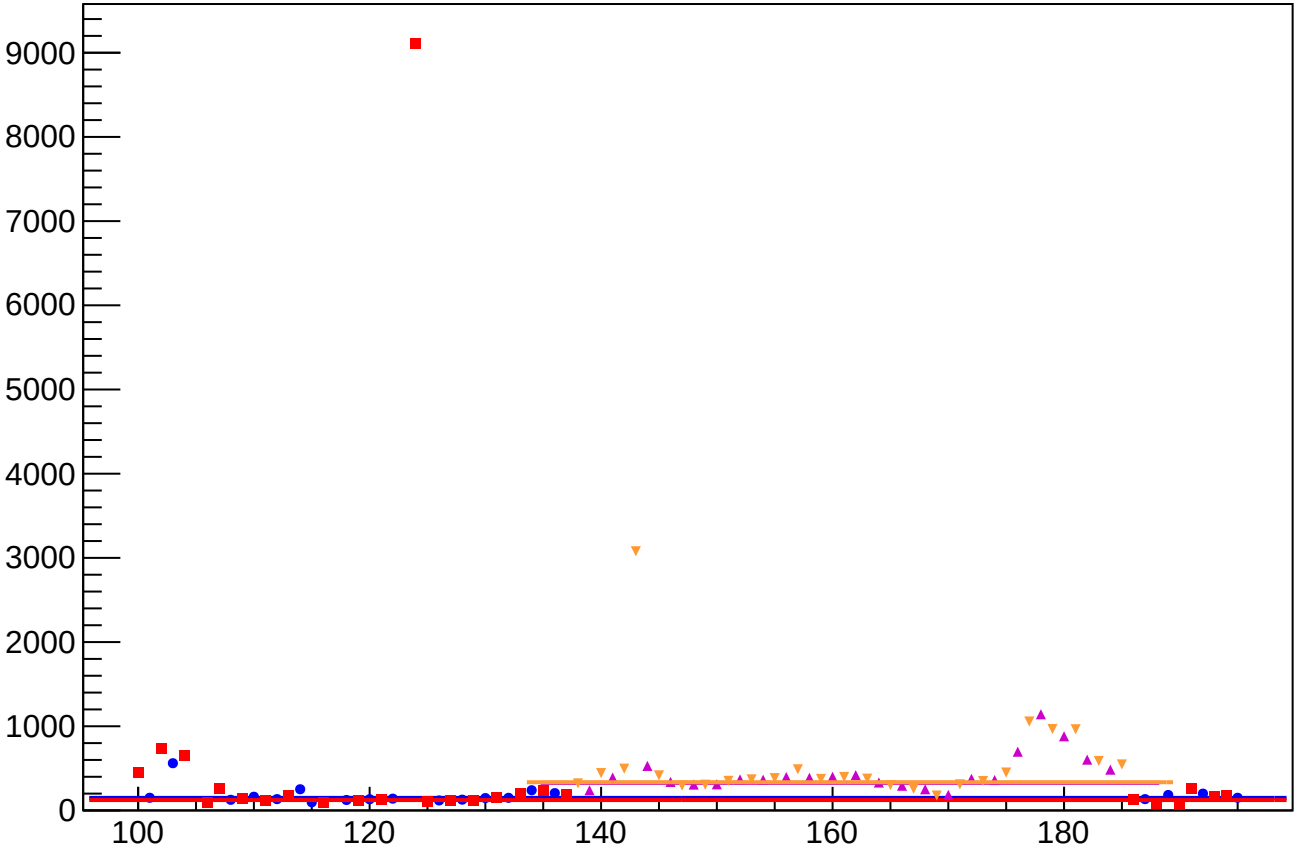
Right: -0.028+/-0.033 χ^2/NDF: 49.0/44

In: -0.049+/-0.044 χ^2/NDF:48.2/42

Out: -0.025+/-0.038 χ^2/NDF:61.9/49

All: -0.035+/-0.029 χ^2/NDF: 110.3/92

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.384+/-0.036 χ^2/NDF: 1297979.0/19

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 123.453+/-0.030 χ^2/NDF: 3240279.3/24

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

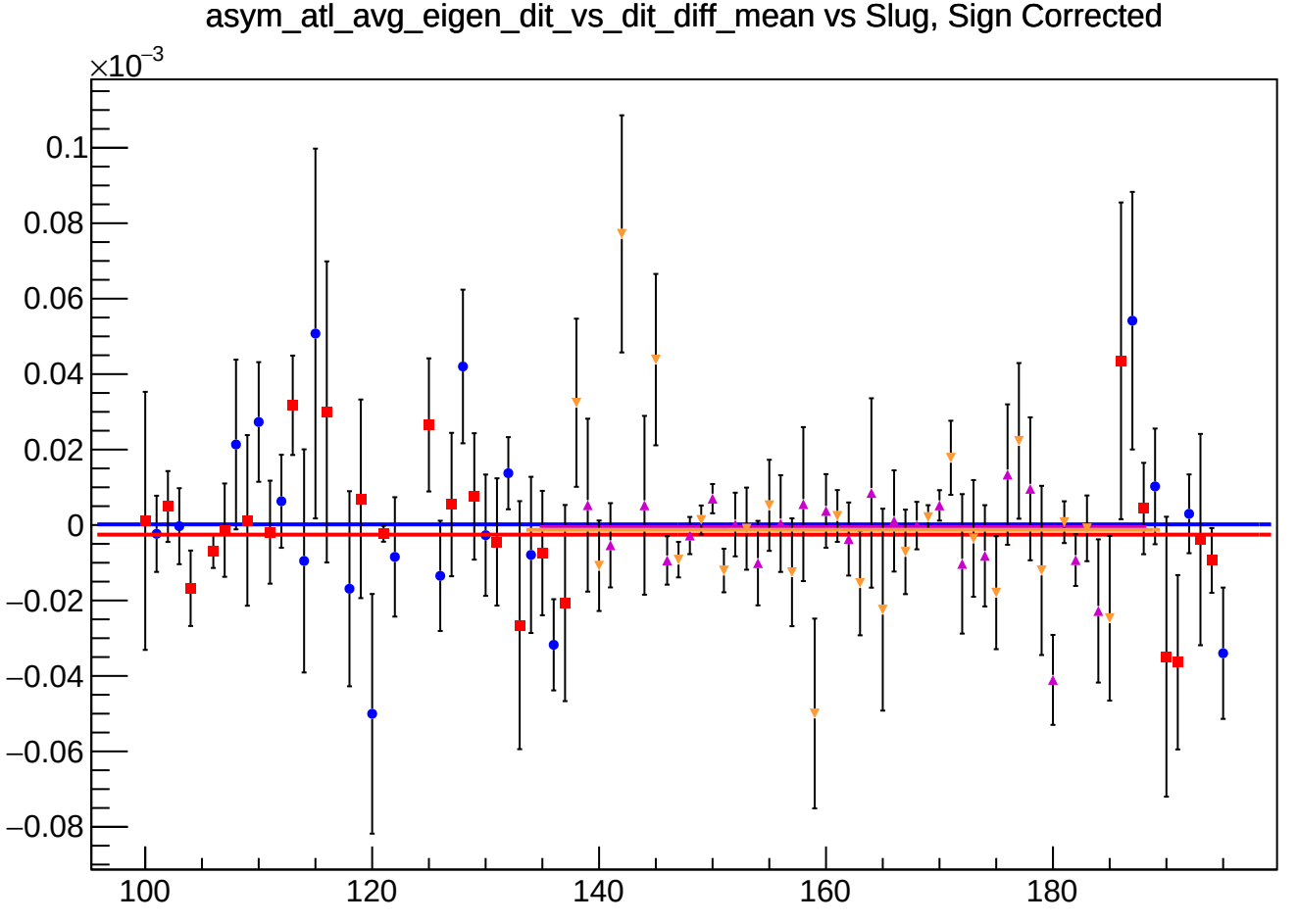
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 134.055+/-0.023 χ^2/NDF: 4839638.0/44

In: 198.947+/-0.031 χ^2/NDF:12147017.4/42

Out: 166.451+/-0.027 χ^2/NDF:19071441.0/49

All: 180.520+/-0.020 χ^2/NDF: 31847402.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/23

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

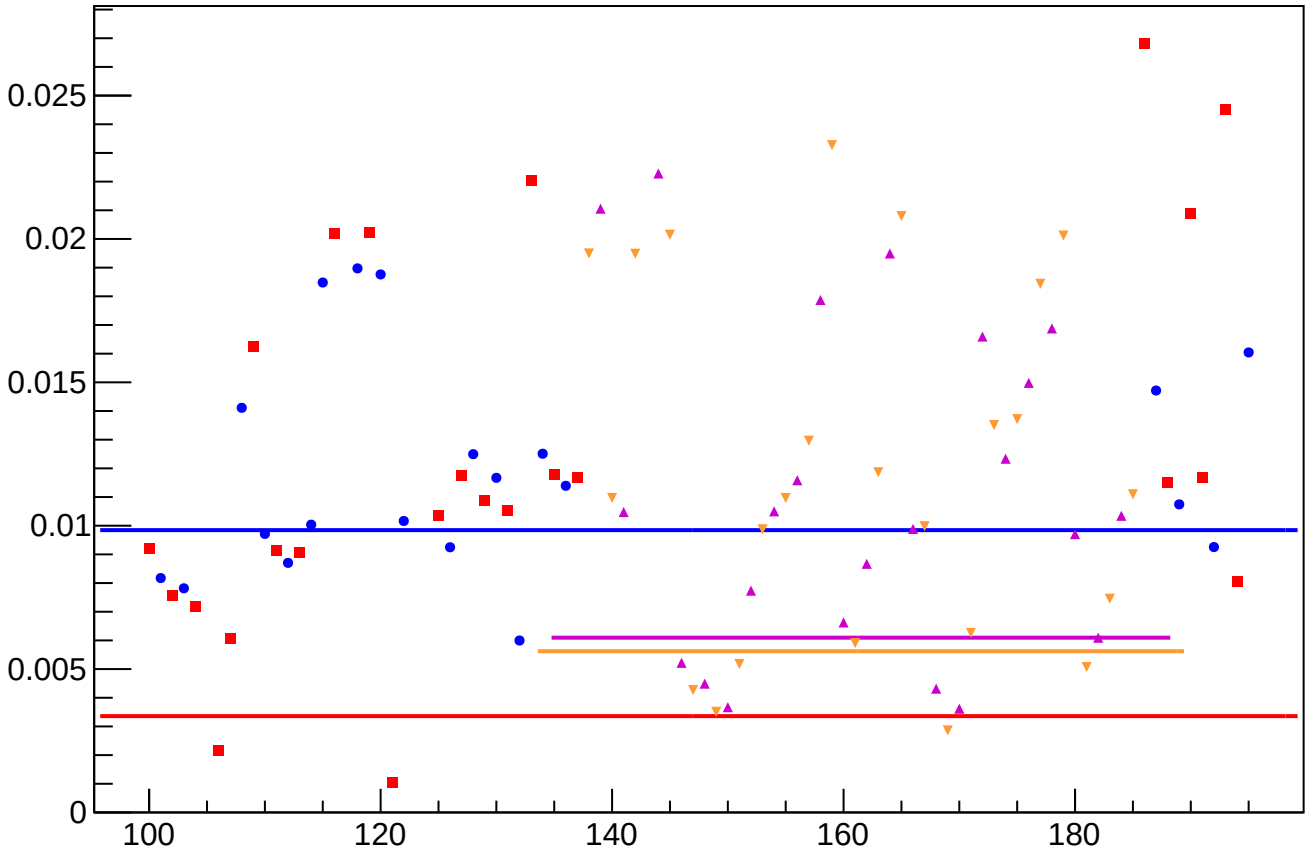
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 50.9/43

In: -0.000+/-0.000 χ^2/NDF:55.2/42

Out: -0.000+/-0.000 χ^2/NDF:56.7/47

All: -0.000+/-0.000 χ^2/NDF: 112.5/90



Right In: 0.010+/-0.000 χ^2/NDF: 1455360.2/19

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.003+/-0.000 χ^2/NDF: 12754962.8/23

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

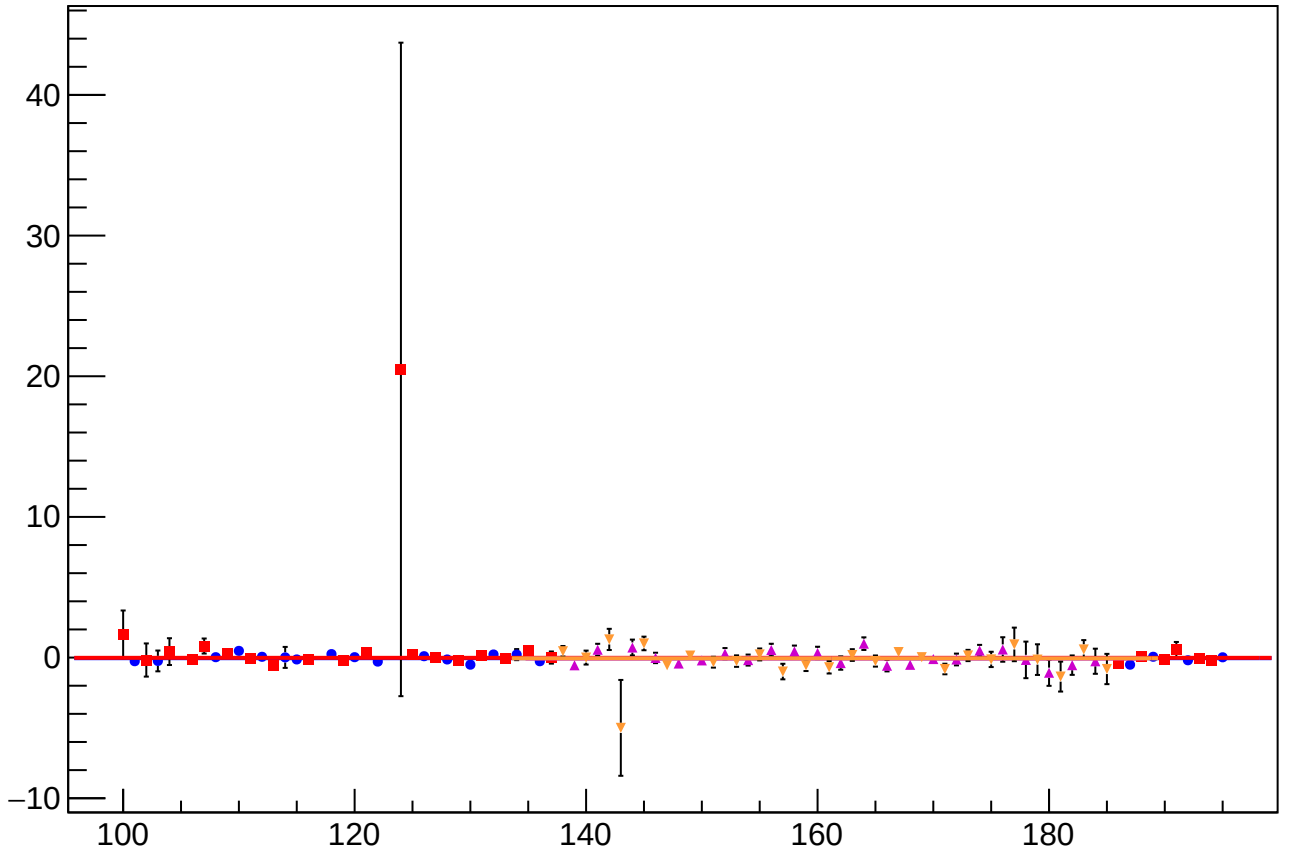
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.005+/-0.000 χ^2/NDF: 20219189.2/43

In: 0.007+/-0.000 χ^2/NDF:12229745.4/42

Out: 0.005+/-0.000 χ^2/NDF:25847654.6/47

All: 0.005+/-0.000 χ^2/NDF: 41090577.5/90



Right In: -0.043+/-0.051 χ^2/NDF: 20.1/19

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.018+/-0.043 χ^2/NDF: 28.7/24

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

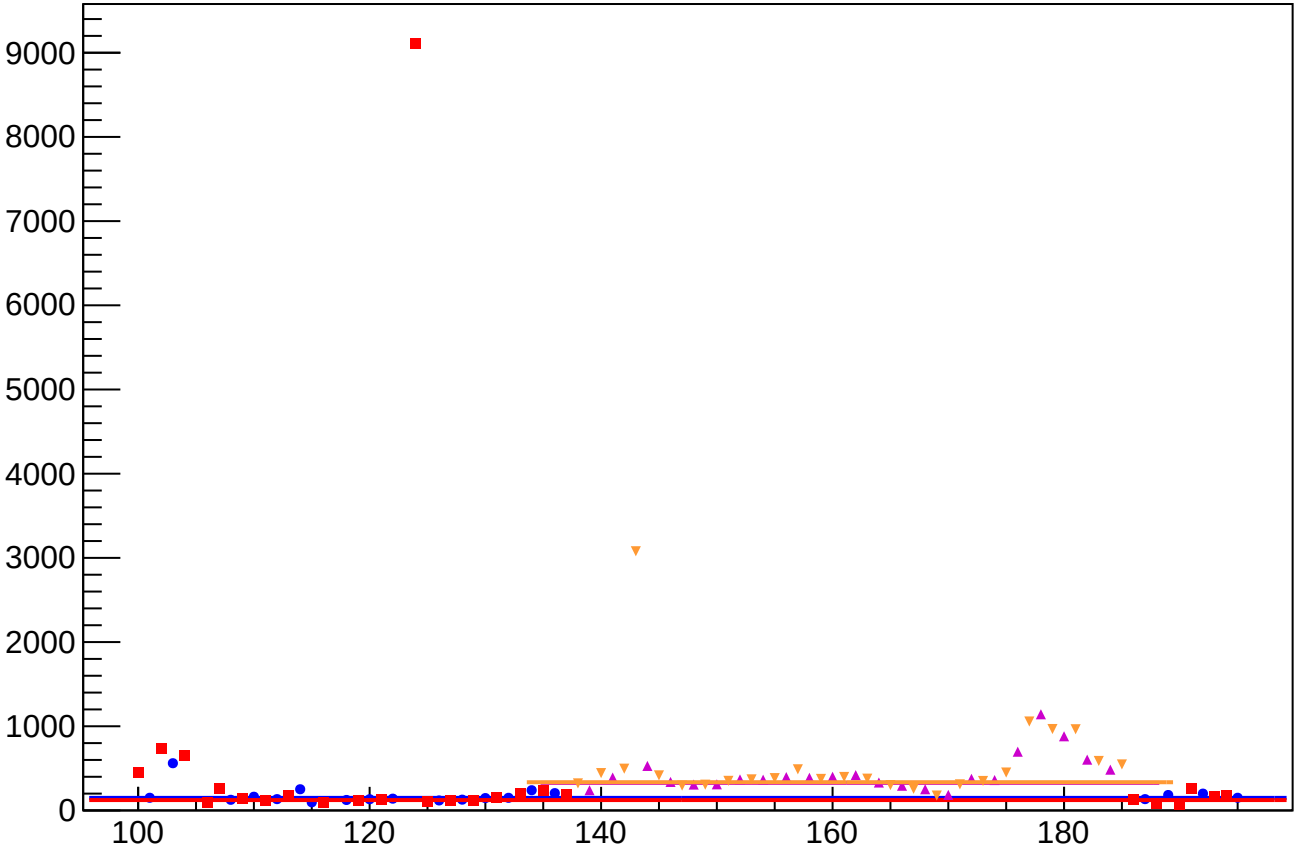
Right: -0.028+/-0.033 χ^2/NDF: 49.0/44

In: -0.049+/-0.044 χ^2/NDF:48.2/42

Out: -0.025+/-0.038 χ^2/NDF:61.9/49

All: -0.035+/-0.029 χ^2/NDF: 110.3/92

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.383+/-0.036 χ^2/NDF: 1298000.9/19

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 123.451+/-0.030 χ^2/NDF: 3240265.2/24

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

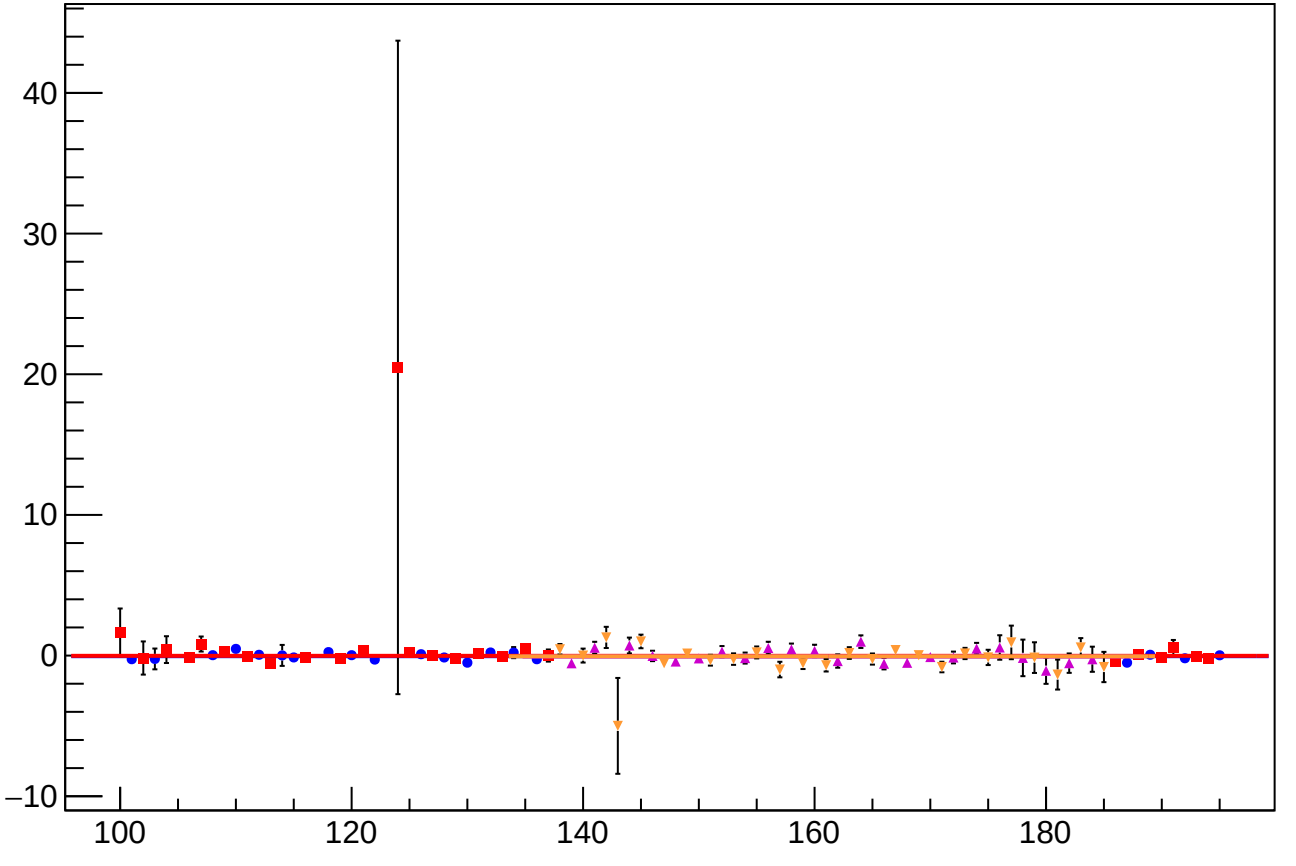
Right: 134.053+/-0.023 χ^2/NDF: 4839672.8/44

In: 198.946+/-0.031 χ^2/NDF:12147296.8/42

Out: 166.448+/-0.027 χ^2/NDF:19071839.2/49

All: 180.518+/-0.020 χ^2/NDF: 31848142.9/92

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.051 χ^2/NDF: 20.1/19

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.018+/-0.043 χ^2/NDF: 28.7/24

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

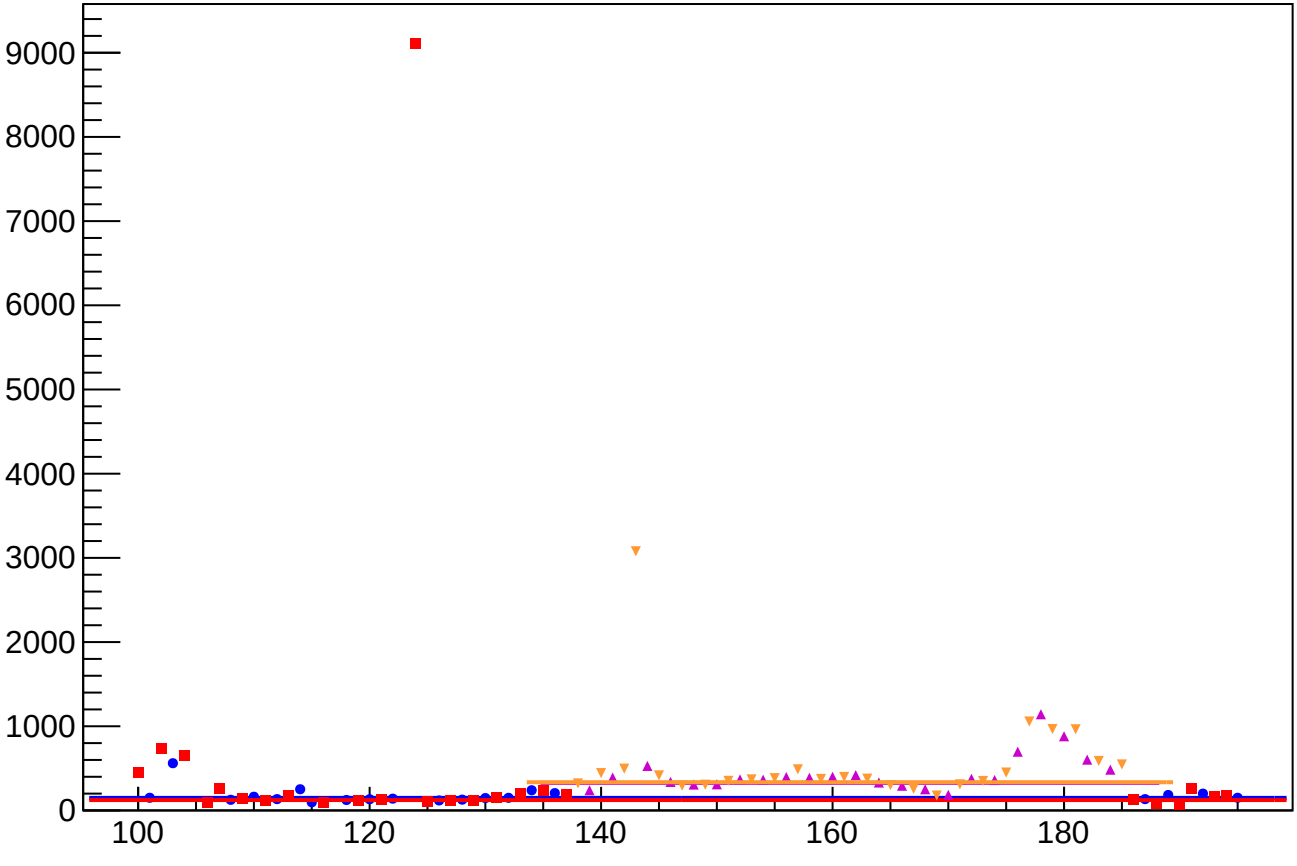
Right: -0.028+/-0.033 χ^2/NDF: 49.0/44

In: -0.049+/-0.044 χ^2/NDF:48.2/42

Out: -0.025+/-0.038 χ^2/NDF:61.9/49

All: -0.035+/-0.029 χ^2/NDF: 110.3/92

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.383+/-0.036 χ^2/NDF: 1298000.9/19

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 123.451+/-0.030 χ^2/NDF: 3240265.2/24

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

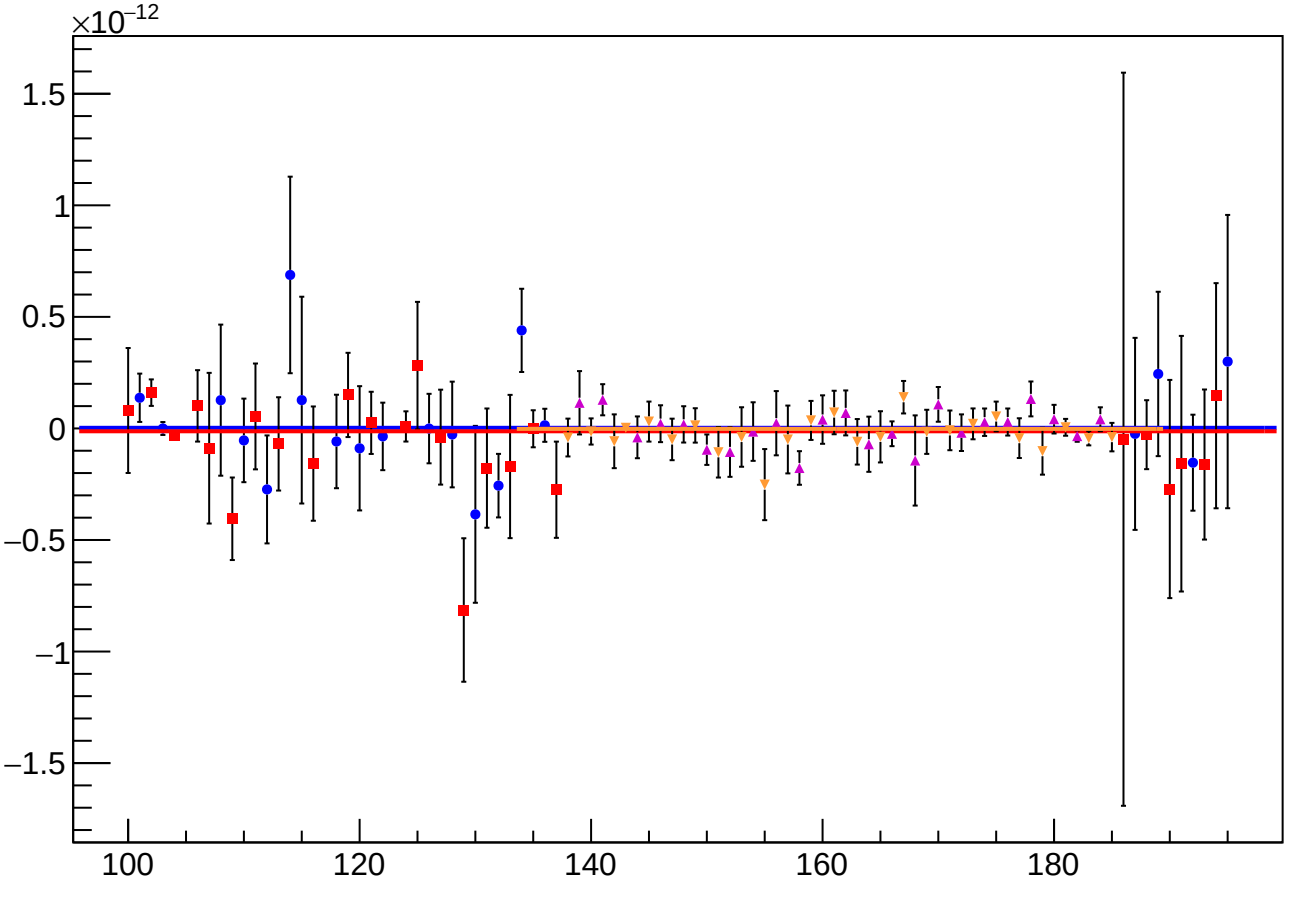
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 134.053+/-0.023 χ^2/NDF: 4839672.8/44

In: 198.946+/-0.031 χ^2/NDF:12147296.8/42

Out: 166.448+/-0.027 χ^2/NDF:19071839.2/49

All: 180.518+/-0.020 χ^2/NDF: 31848142.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

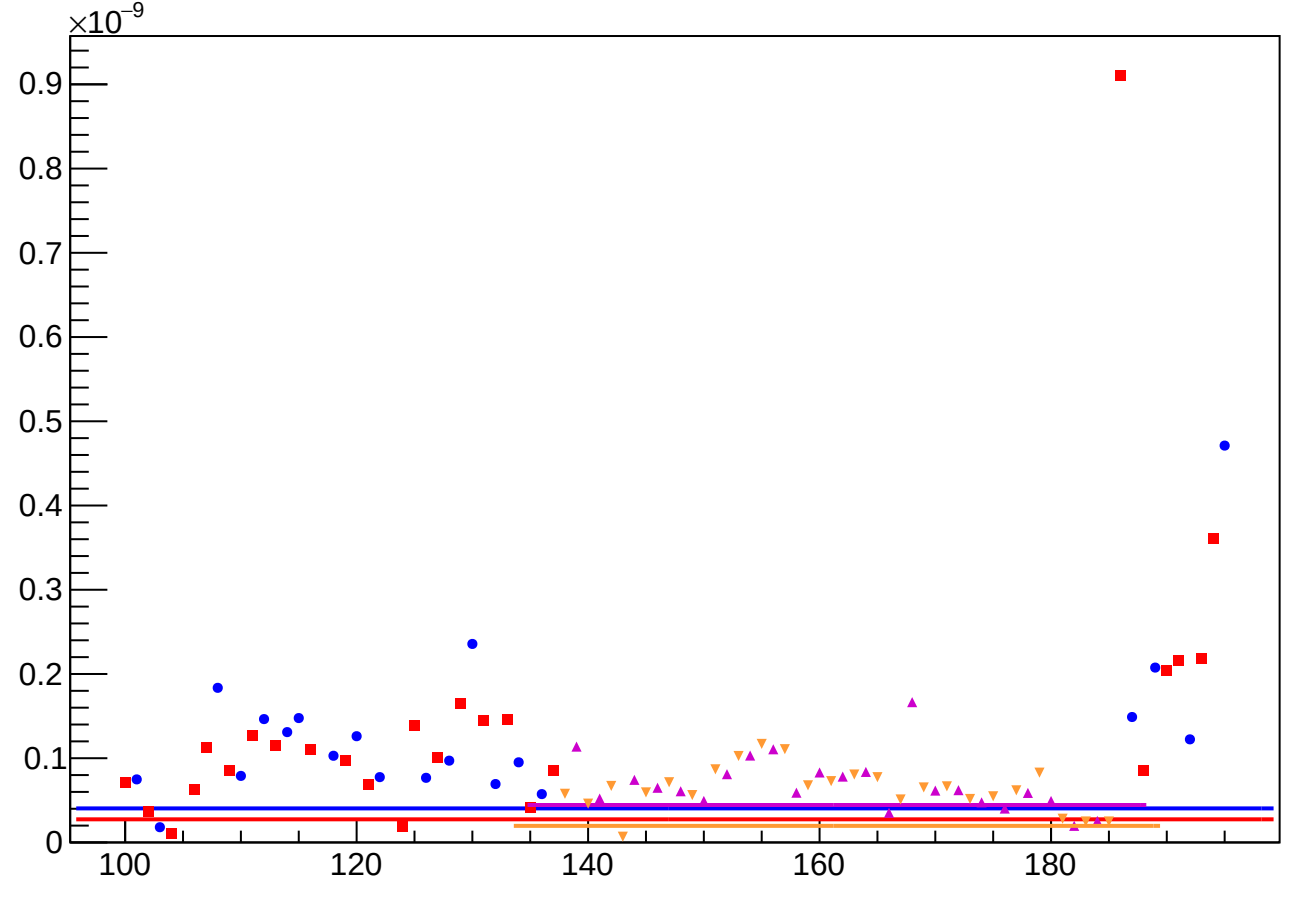
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 42.8/44

In: -0.000+/-0.000 χ^2/NDF:39.3/42

Out: -0.000+/-0.000 χ^2/NDF:39.7/49

All: -0.000+/-0.000 χ^2/NDF: 79.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 5654913.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584052.2/24

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

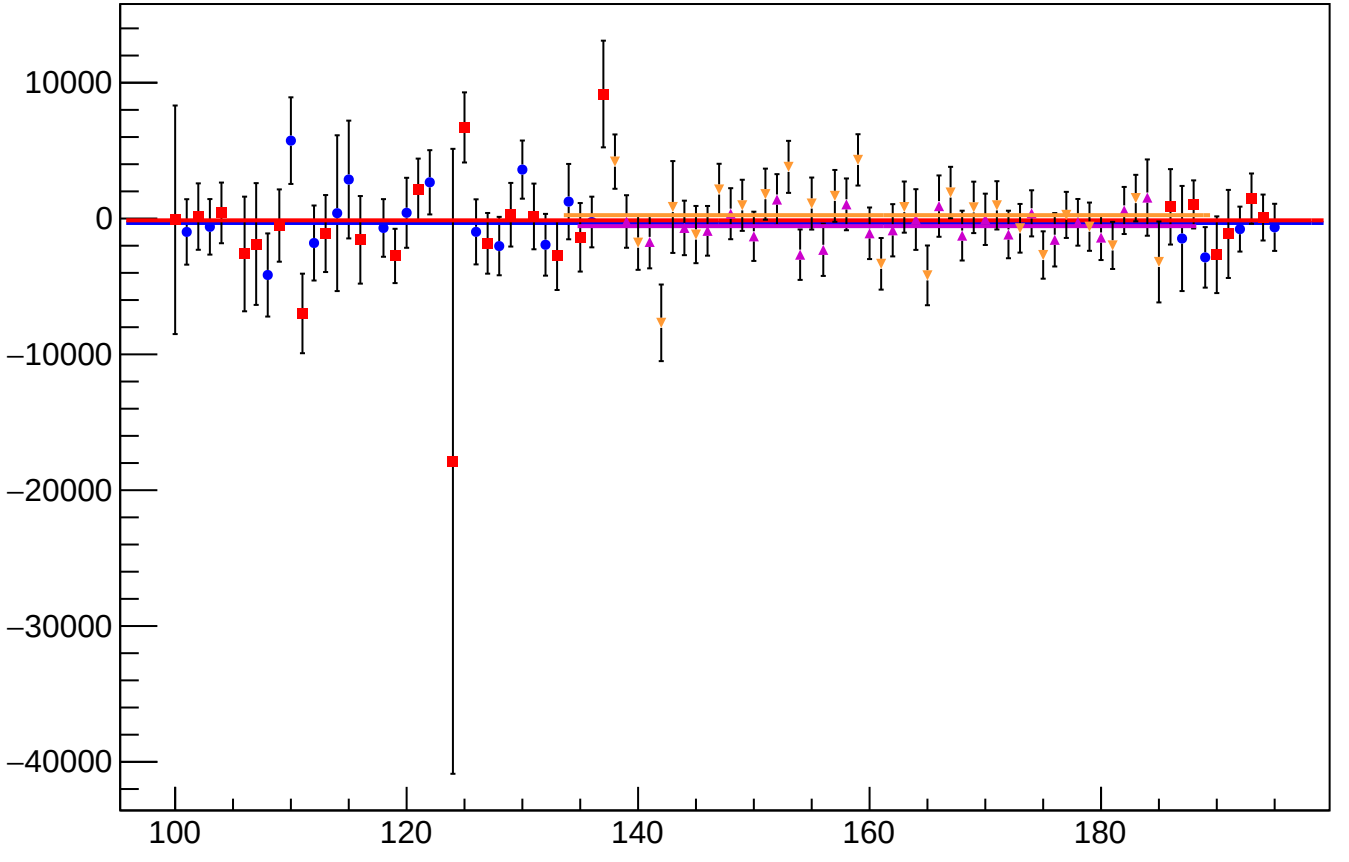
Right: 0.000+/-0.000 χ^2/NDF: 13613595.8/44

In: 0.000+/-0.000 χ^2/NDF:11617684.0/42

Out: 0.000+/-0.000 χ^2/NDF:22769519.7/49

All: 0.000+/-0.000 χ^2/NDF: 39275596.3/92

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -325.792+/-529.402 χ^2/NDF: 14.2/19

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -132.067+/-512.879 χ^2/NDF: 26.4/24

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

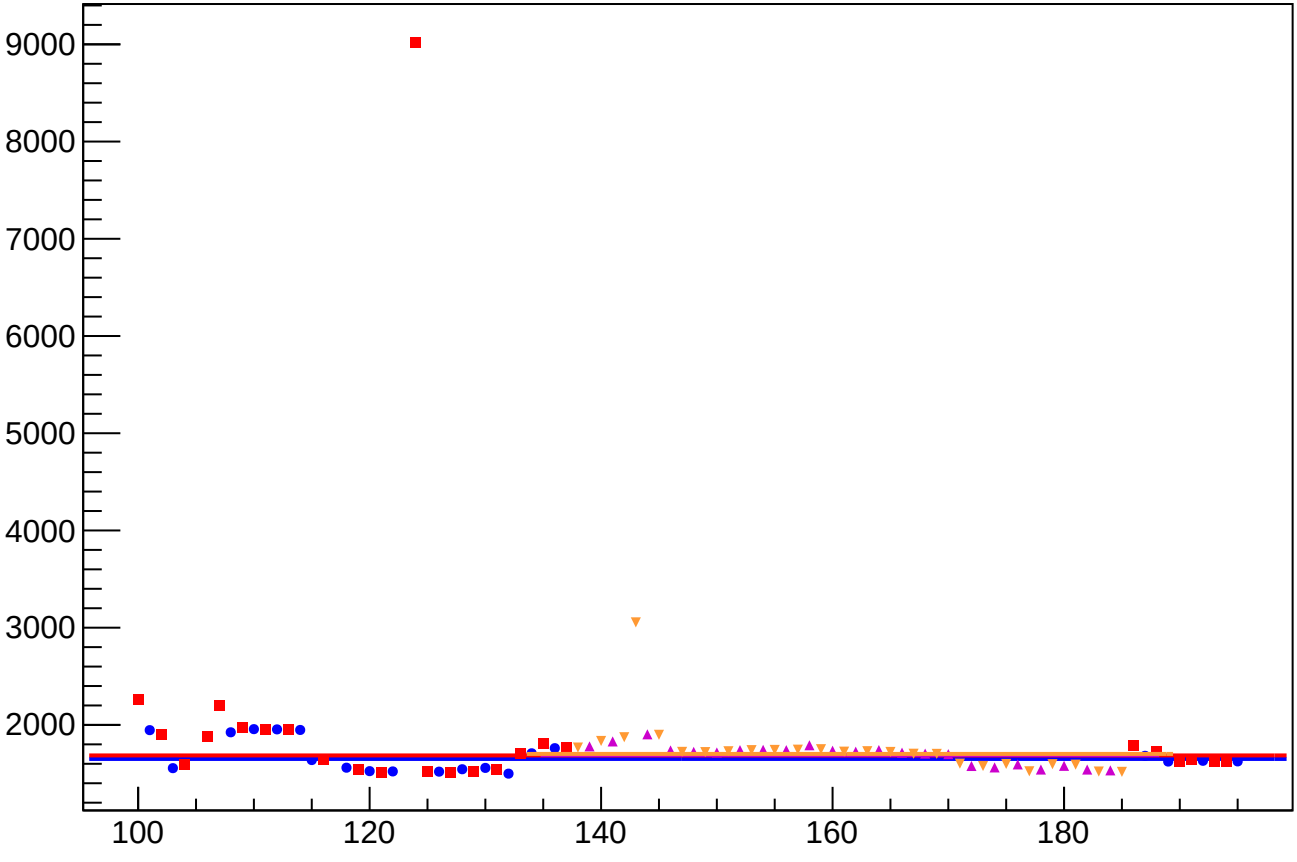
Right: -225.859+/-368.363 χ^2/NDF: 40.7/44

In: -476.210+/-316.646 χ^2/NDF:21.9/42

Out: 109.431+/-309.849 χ^2/NDF:66.4/49

All: -177.036+/-221.460 χ^2/NDF: 90.0/92

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1649.970+/-0.374 χ^2/NDF: 145363.8/19

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1686.082+/-0.362 χ^2/NDF: 396855.4/24

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

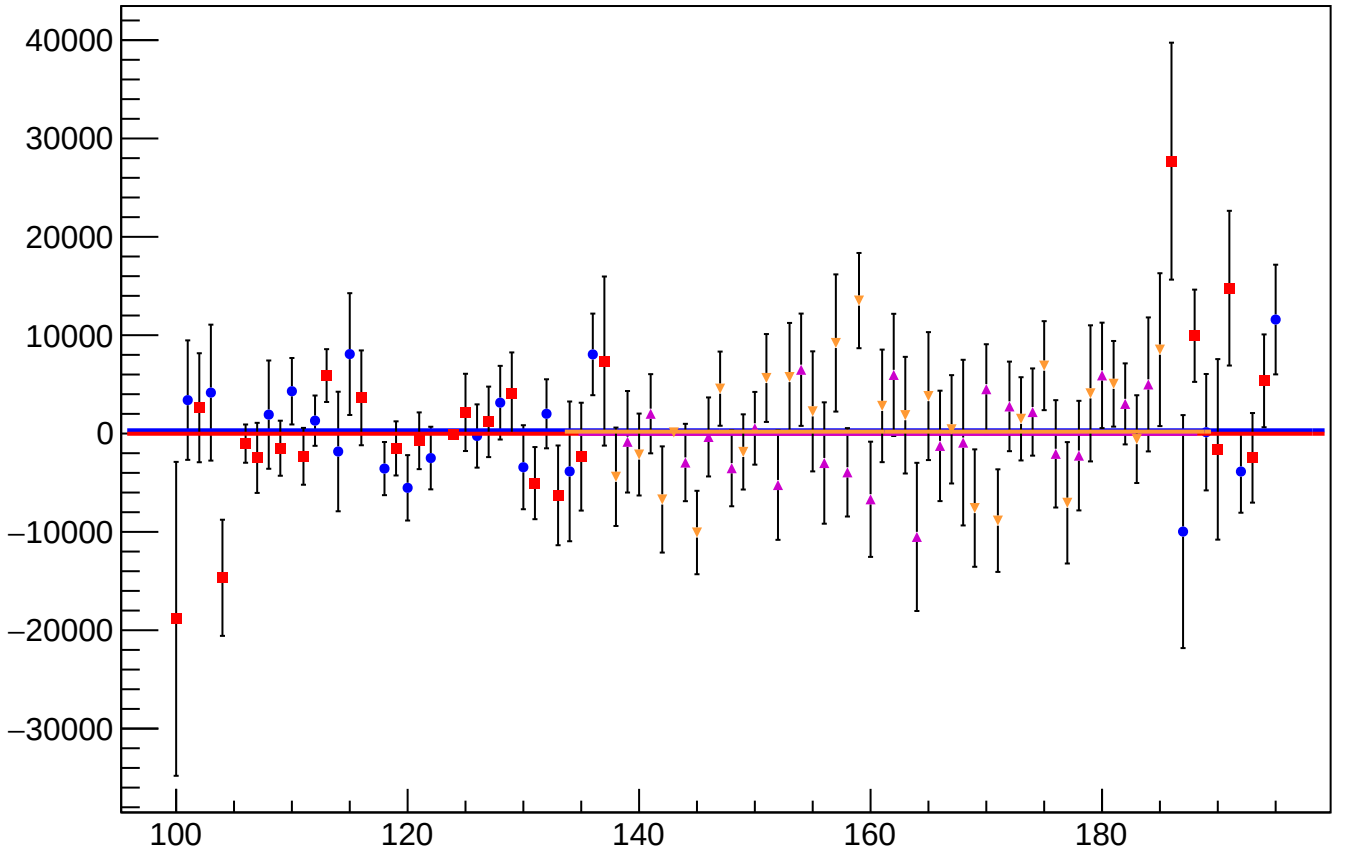
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1668.653+/-0.260 χ^2/NDF: 547033.9/44

In: 1675.203+/-0.224 χ^2/NDF:274756.4/42

Out: 1695.904+/-0.219 χ^2/NDF:850398.9/49

All: 1685.789+/-0.157 χ^2/NDF: 1129526.5/92



Right In: 330.055+/-910.035 χ^2/NDF: 21.1/19

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -22.052+/-320.812 χ^2/NDF: 35.9/24

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

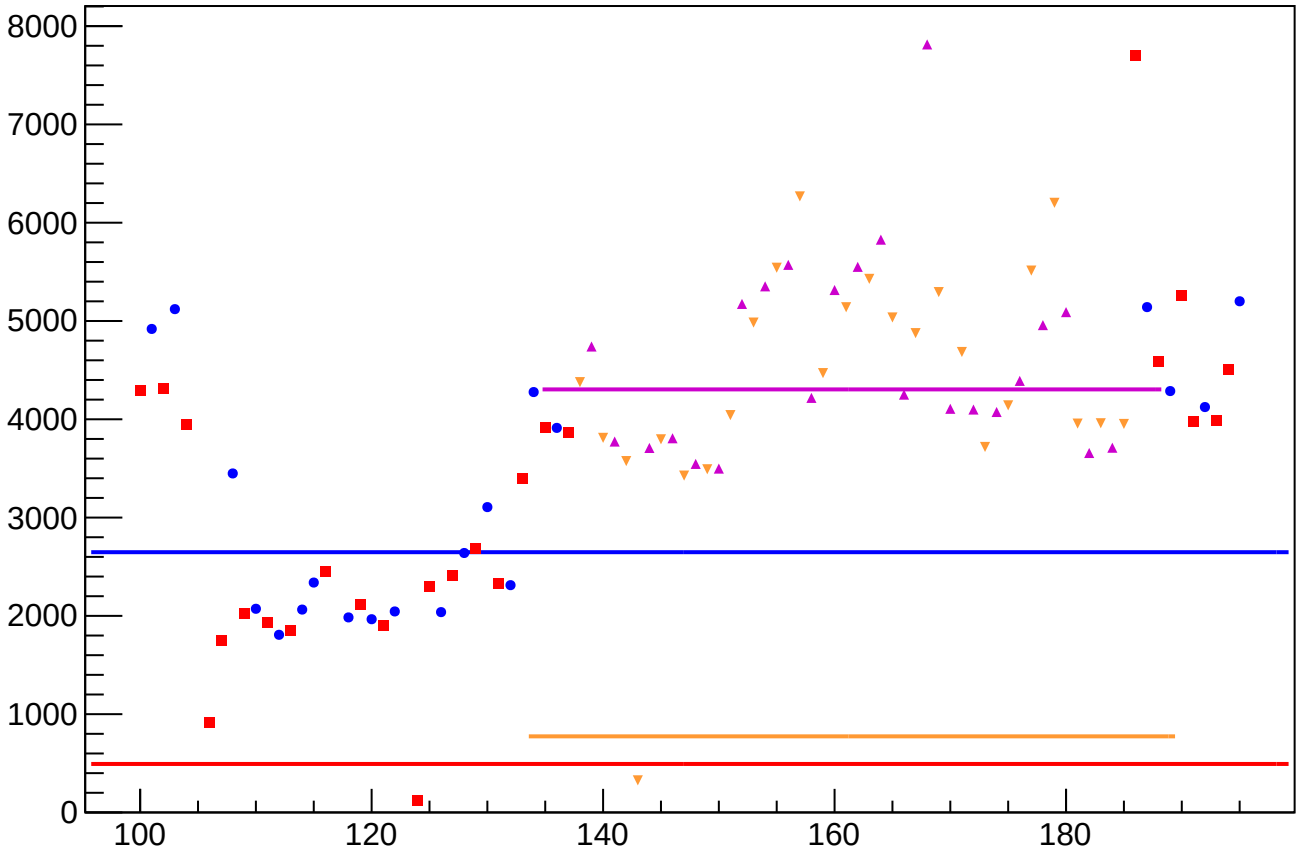
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 16.869+/-302.562 χ^2/NDF: 57.1/44

In: 171.987+/-680.664 χ^2/NDF:34.4/42

Out: 78.487+/-234.342 χ^2/NDF:70.0/49

All: 88.396+/-221.577 χ^2/NDF: 104.4/92



Right In: 2647.817+/-0.643 χ^2/NDF: 2466016.4/19

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 493.387+/-0.227 χ^2/NDF: 16965426.3/24

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

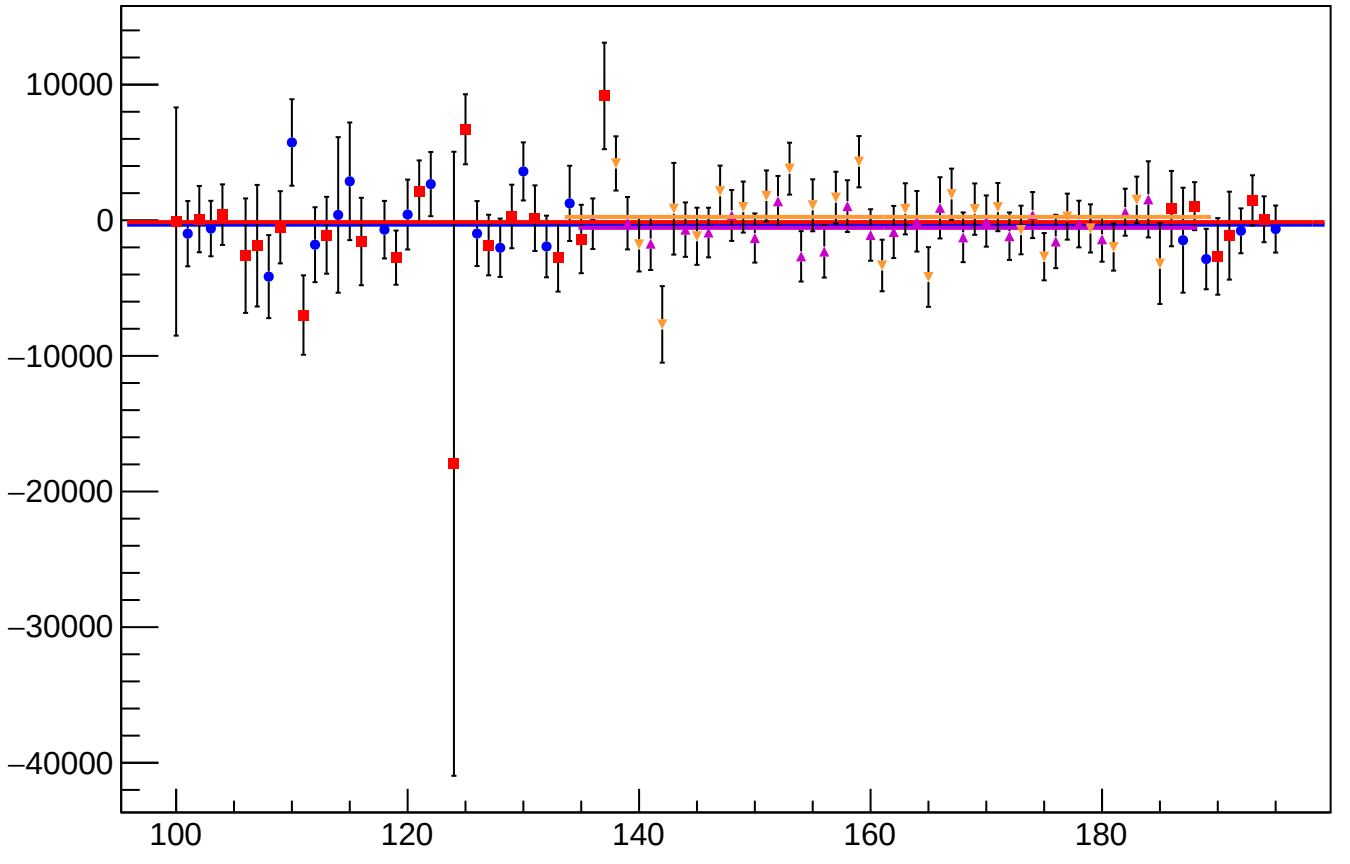
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 731.533+/-0.214 χ^2/NDF: 29401701.2/44

In: 3377.477+/-0.481 χ^2/NDF:6600990.6/42

Out: 624.379+/-0.166 χ^2/NDF:45765908.6/49

All: 916.126+/-0.157 χ^2/NDF: 81619170.7/92



Right In: -325.841+/-529.402 χ^2/NDF: 14.2/19

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -134.876+/-512.882 χ^2/NDF: 26.4/24

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

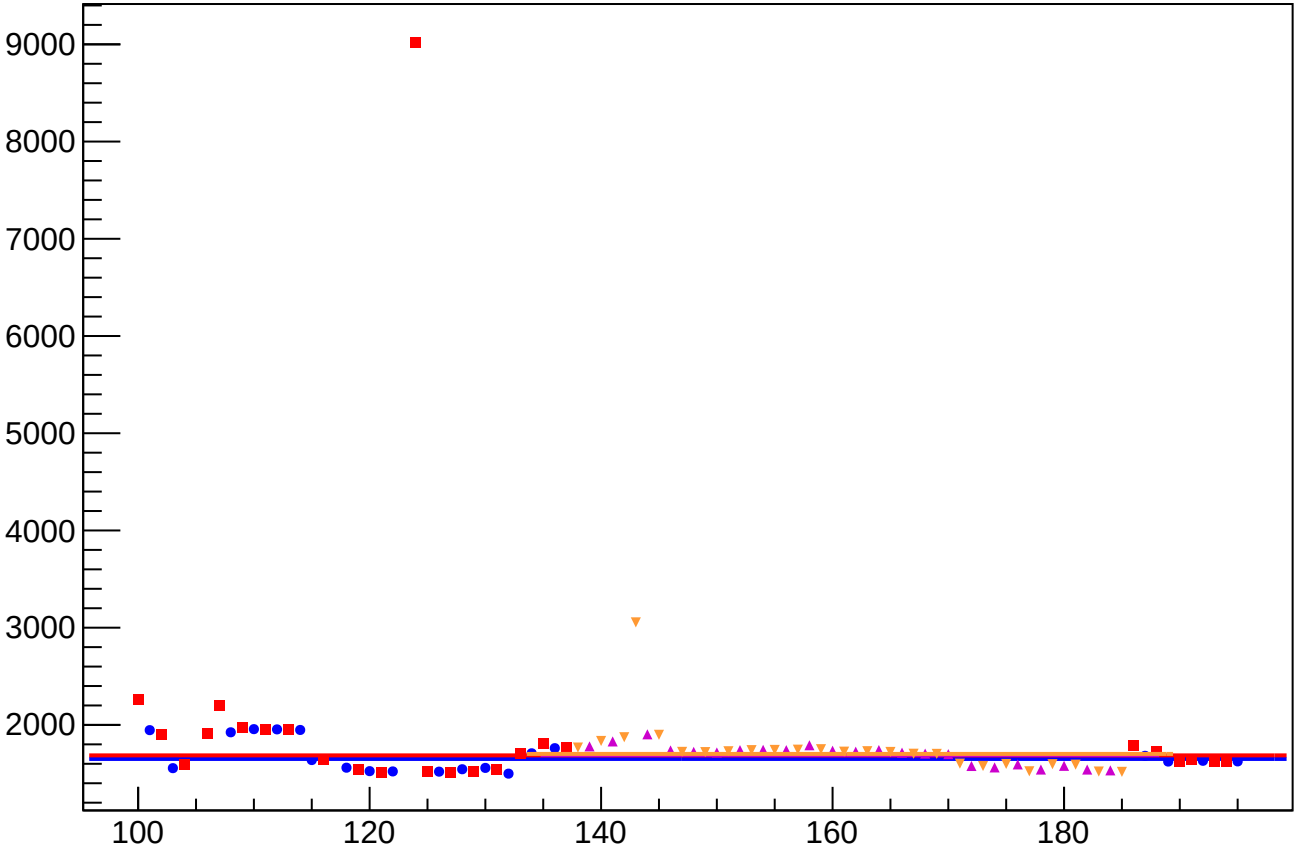
Right: -227.332+/-368.364 χ^2/NDF: 40.7/44

In: -476.205+/-316.646 χ^2/NDF:21.9/42

Out: 108.396+/-309.850 χ^2/NDF:66.4/49

All: -177.563+/-221.460 χ^2/NDF: 90.0/92

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1649.970+/-0.374 χ^2/NDF: 145363.8/19

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1686.598+/-0.362 χ^2/NDF: 398690.5/24

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

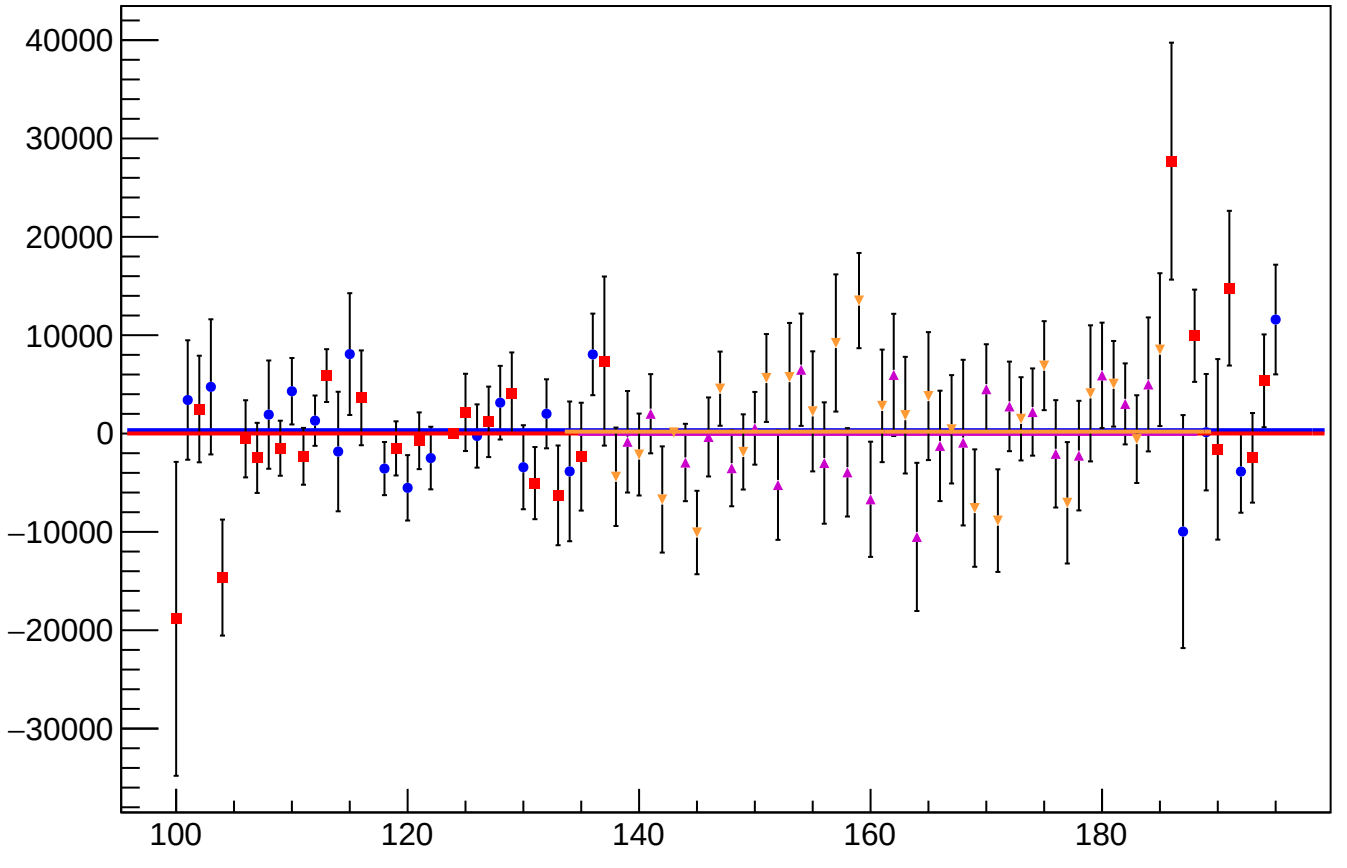
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1668.914+/-0.260 χ^2/NDF: 549005.9/44

In: 1675.203+/-0.224 χ^2/NDF:274756.5/42

Out: 1696.095+/-0.219 χ^2/NDF:852157.5/49

All: 1685.886+/-0.157 χ^2/NDF: 1131365.7/92



Right In: 341.343+/-909.934 χ^2/NDF: 21.2/19

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 5.783+/-313.062 χ^2/NDF: 35.6/24

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

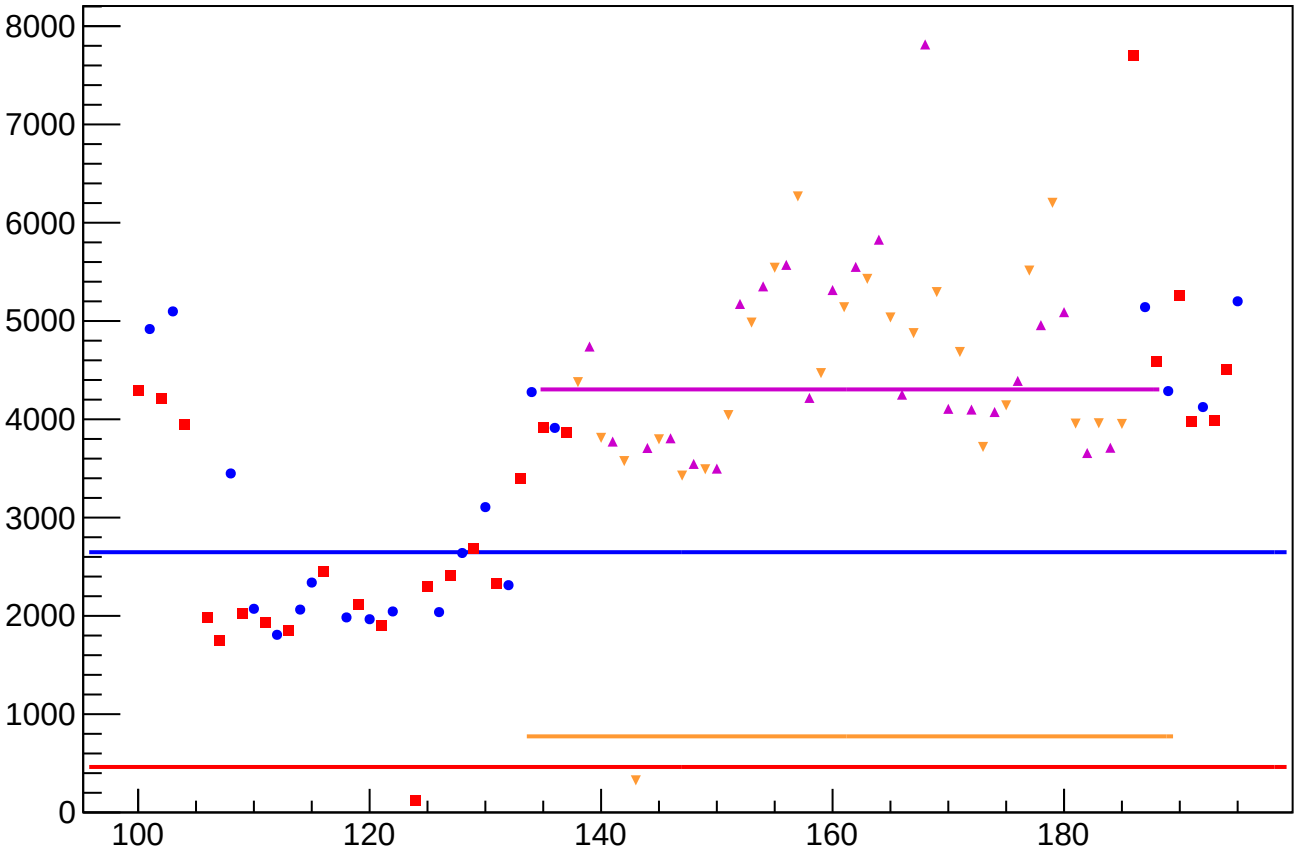
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 41.299+/-296.031 χ^2/NDF: 56.9/44

In: 178.306+/-680.621 χ^2/NDF:34.5/42

Out: 91.252+/-231.262 χ^2/NDF:69.7/49

All: 100.263+/-218.967 χ^2/NDF: 104.2/92



Right In: 2647.918+/-0.643 χ^2/NDF: 2464196.1/19

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 462.741+/-0.221 χ^2/NDF: 17391823.1/24

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

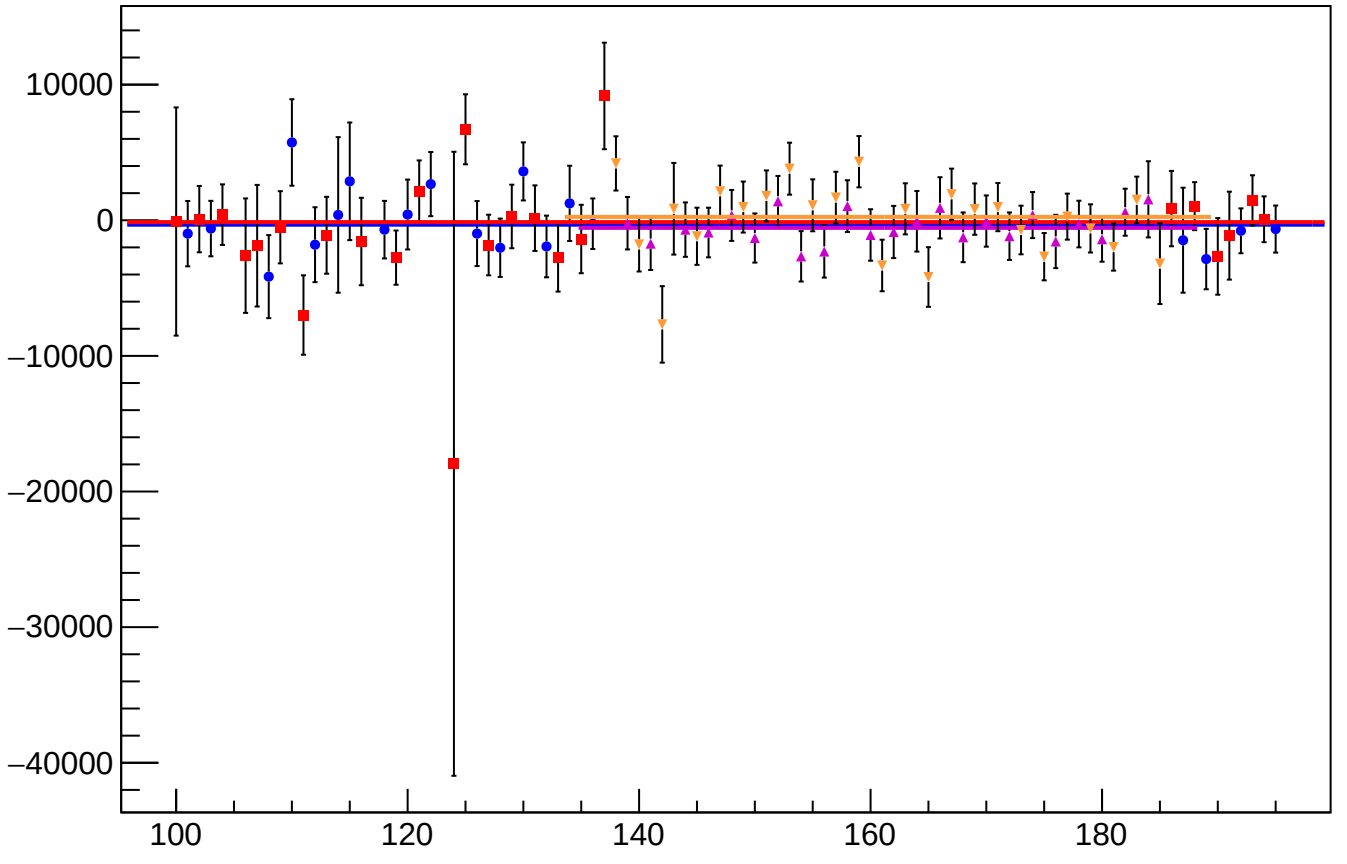
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 694.022+/-0.209 χ^2/NDF: 30169331.8/44

In: 3377.442+/-0.481 χ^2/NDF:6599077.2/42

Out: 604.213+/-0.164 χ^2/NDF:46377285.6/49

All: 891.246+/-0.155 χ^2/NDF: 82743680.9/92



Right In: -325.841+/-529.402 χ^2/NDF: 14.2/19

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -134.876+/-512.882 χ^2/NDF: 26.4/24

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

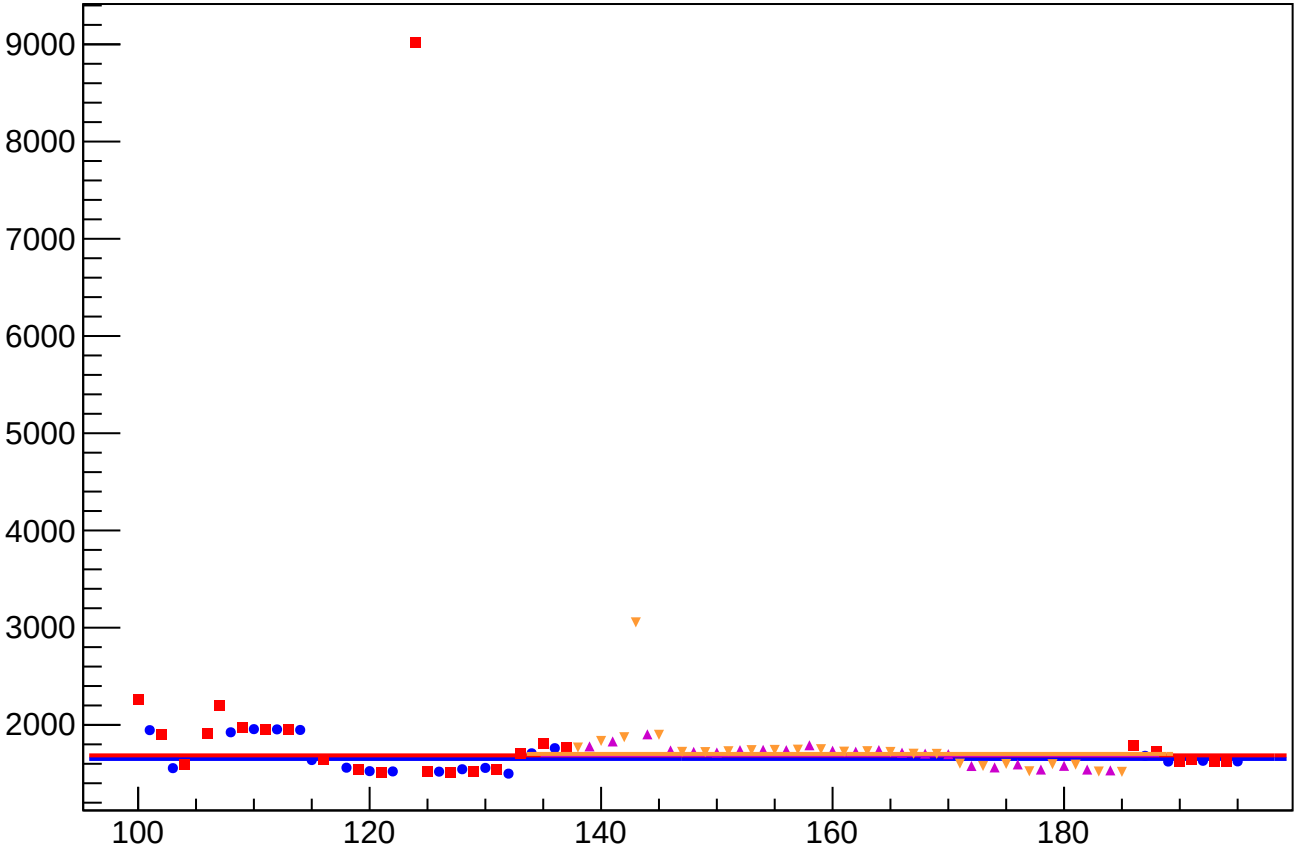
Right: -227.332+/-368.364 χ^2/NDF: 40.7/44

In: -476.205+/-316.646 χ^2/NDF:21.9/42

Out: 108.396+/-309.850 χ^2/NDF:66.4/49

All: -177.563+/-221.460 χ^2/NDF: 90.0/92

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1649.970+/-0.374 χ^2/NDF: 145363.8/19

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1686.598+/-0.362 χ^2/NDF: 398690.5/24

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

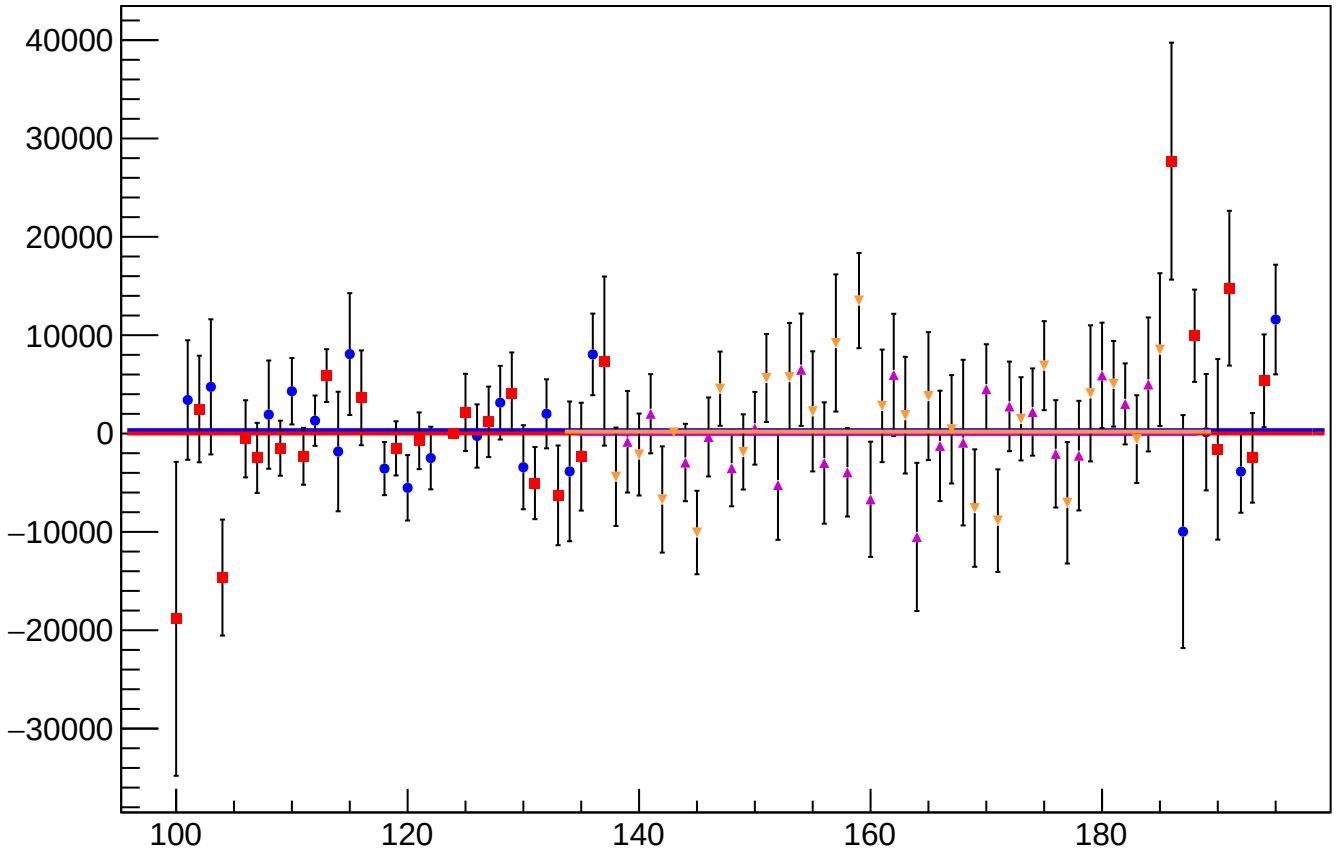
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1668.914+/-0.260 χ^2/NDF: 549005.9/44

In: 1675.203+/-0.224 χ^2/NDF:274756.5/42

Out: 1696.095+/-0.219 χ^2/NDF:852157.5/49

All: 1685.886+/-0.157 χ^2/NDF: 1131365.7/92



Right In: 341.343+/-909.934 χ^2/NDF: 21.2/19

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 5.783+/-313.062 χ^2/NDF: 35.6/24

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

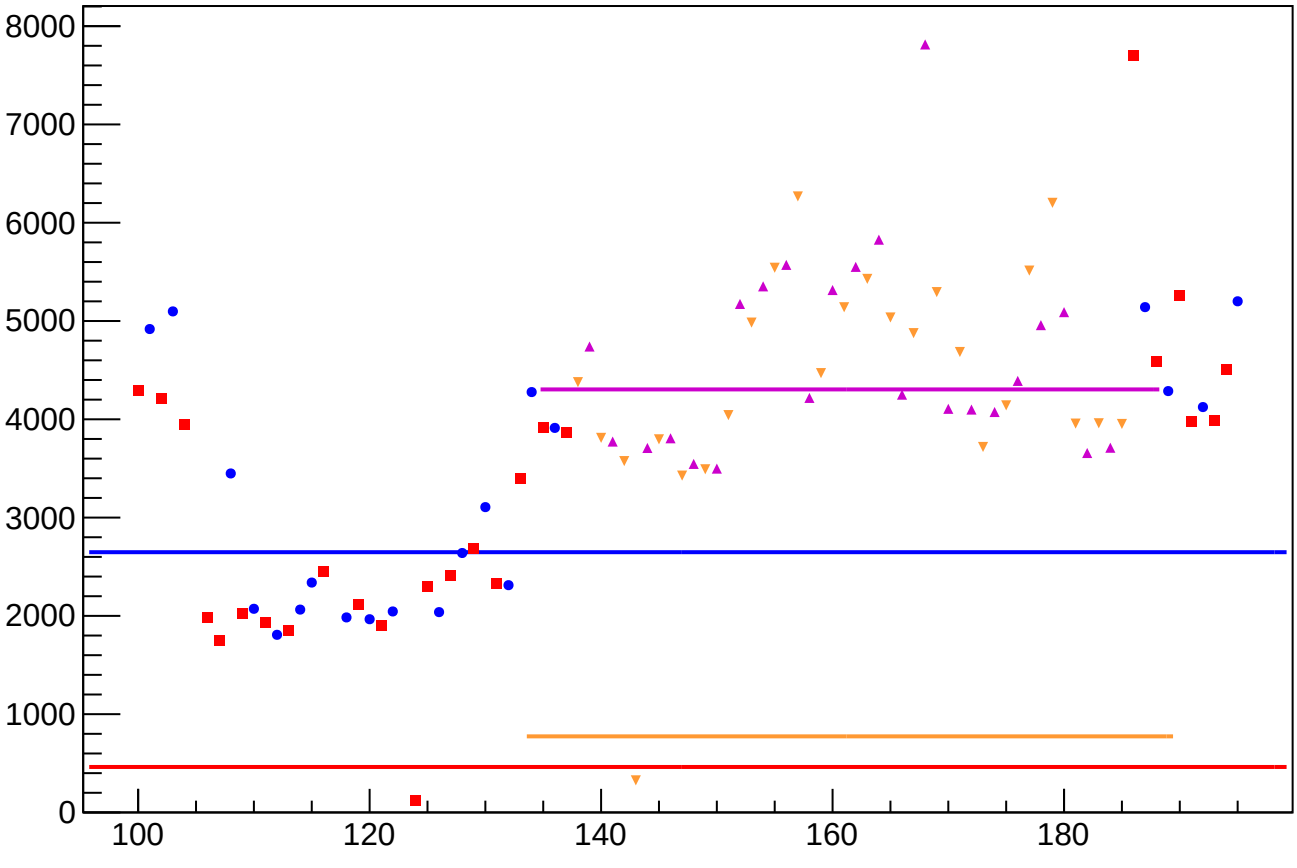
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 41.299+/-296.031 χ^2/NDF: 56.9/44

In: 178.306+/-680.621 χ^2/NDF:34.5/42

Out: 91.252+/-231.262 χ^2/NDF:69.7/49

All: 100.263+/-218.967 χ^2/NDF: 104.2/92



Right In: 2647.918+/-0.643 χ^2/NDF: 2464196.1/19

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 462.741+/-0.221 χ^2/NDF: 17391823.1/24

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

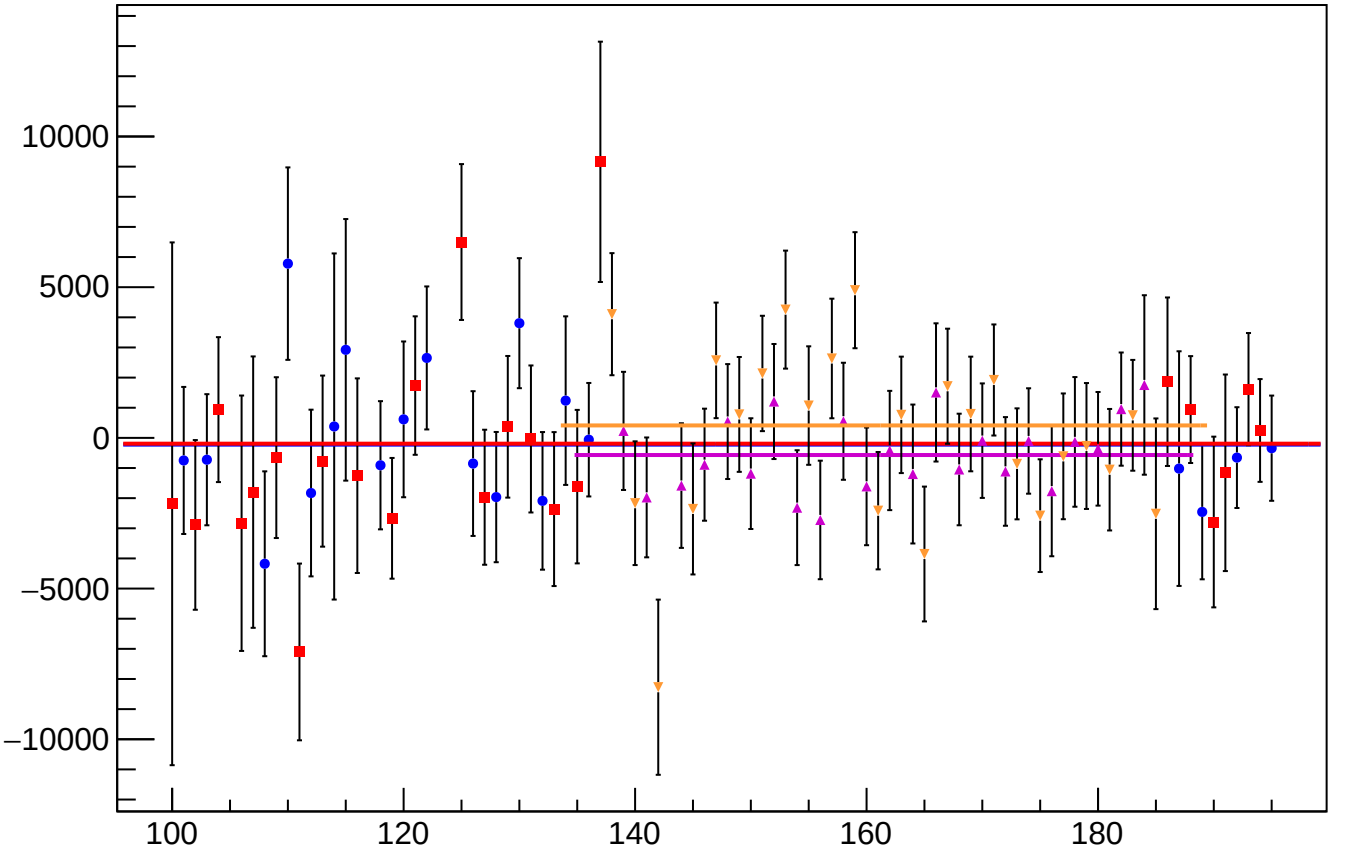
Right: 694.022+/-0.209 χ^2/NDF: 30169331.8/44

In: 3377.442+/-0.481 χ^2/NDF:6599077.2/42

Out: 604.213+/-0.164 χ^2/NDF:46377285.6/49

All: 891.246+/-0.155 χ^2/NDF: 82743680.9/92

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -223.245+/-534.326 χ^2/NDF: 14.1/19

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -192.536+/-519.963 χ^2/NDF: 26.5/23

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

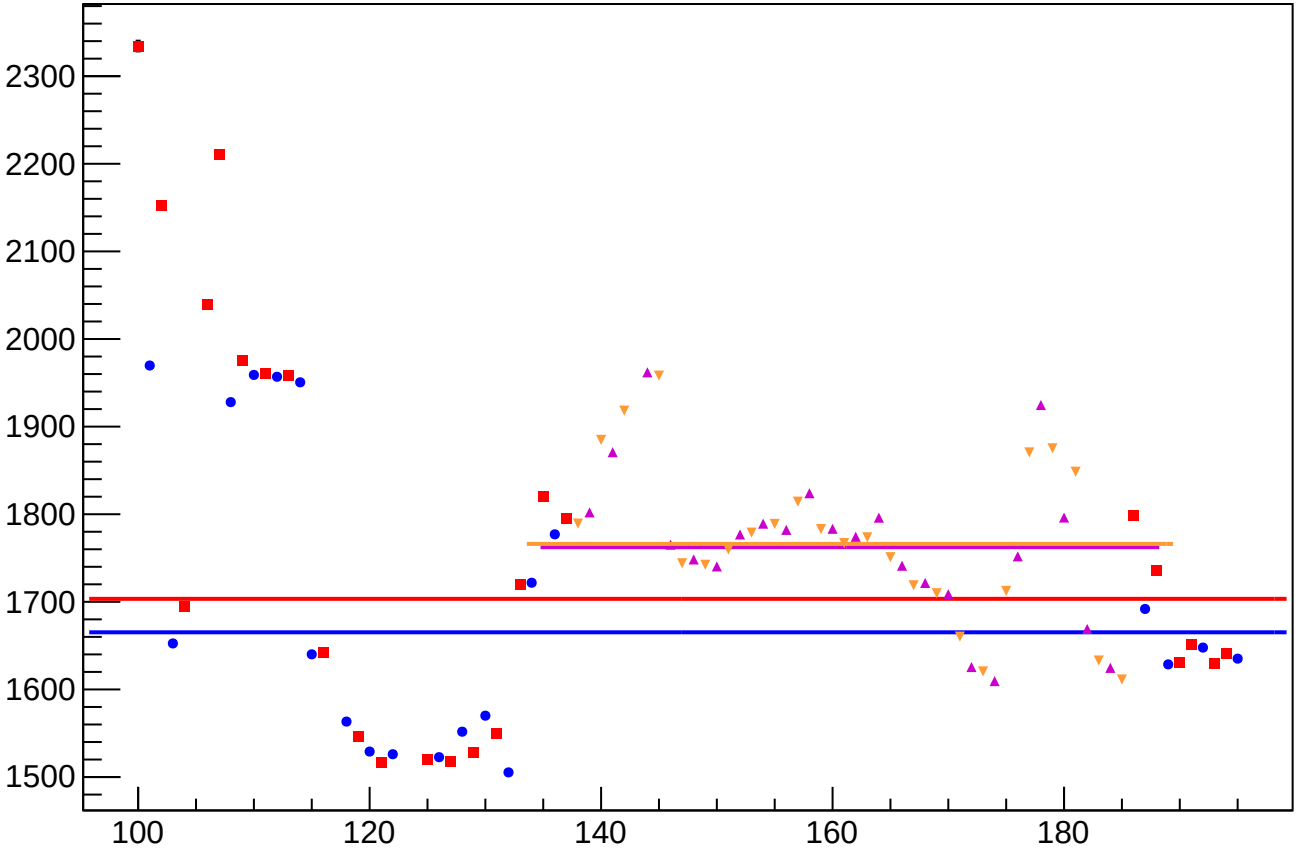
Right: -207.472+/-372.644 χ^2/NDF: 40.6/43

In: -439.950+/-326.297 χ^2/NDF:22.1/42

Out: 180.663+/-322.211 χ^2/NDF:67.3/47

All: -125.733+/-229.269 χ^2/NDF: 91.3/90

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1665.230+/-0.378 χ^2/NDF: 142683.0/19

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1703.432+/-0.367 χ^2/NDF: 239263.2/23

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

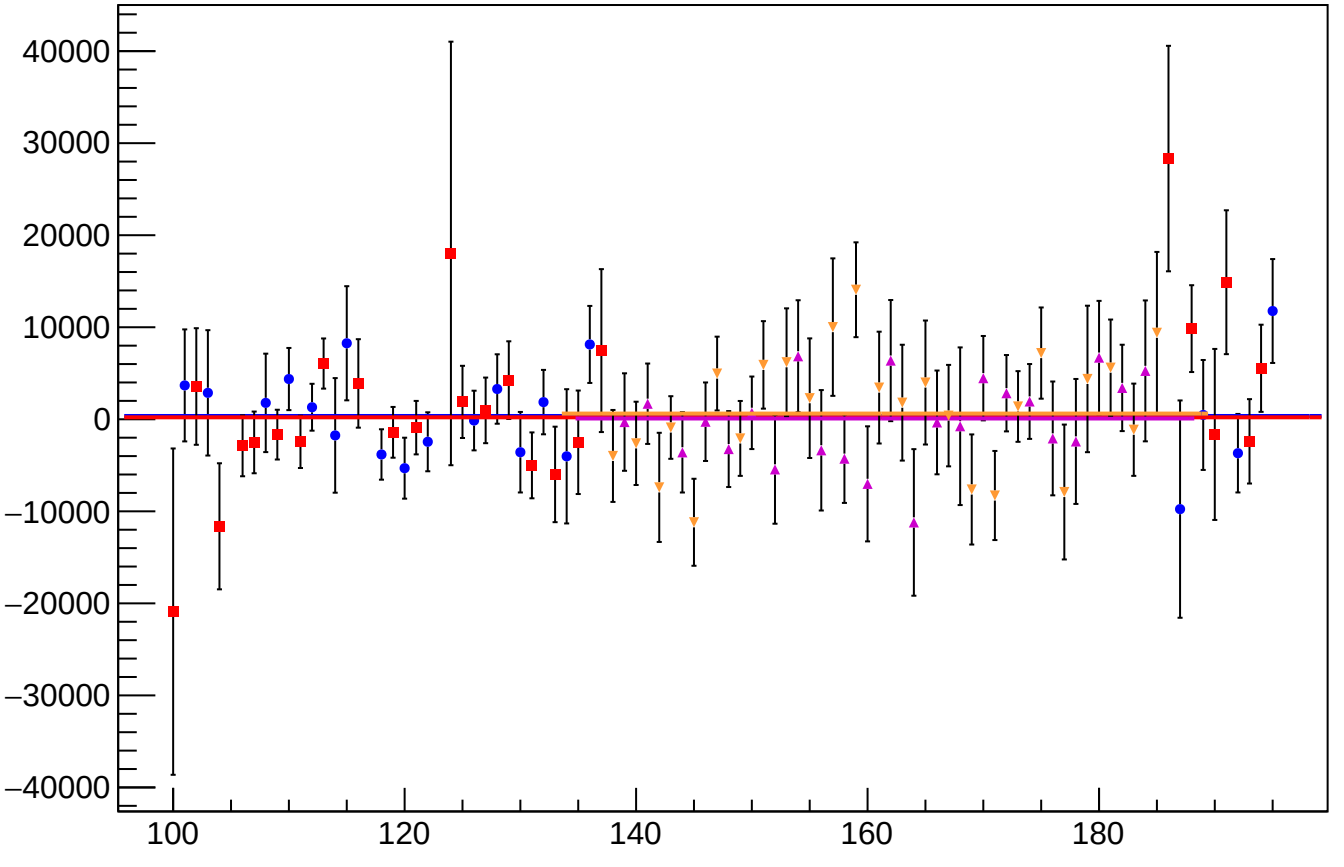
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1684.880+/-0.263 χ^2/NDF: 387204.7/43

In: 1726.167+/-0.231 χ^2/NDF:264255.0/42

Out: 1742.000+/-0.228 χ^2/NDF:340453.7/47

All: 1734.188+/-0.162 χ^2/NDF: 607094.2/90



Right In: 358.269+/-914.348 χ^2/NDF: 21.0/19

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 213.397+/-830.025 χ^2/NDF: 34.1/24

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

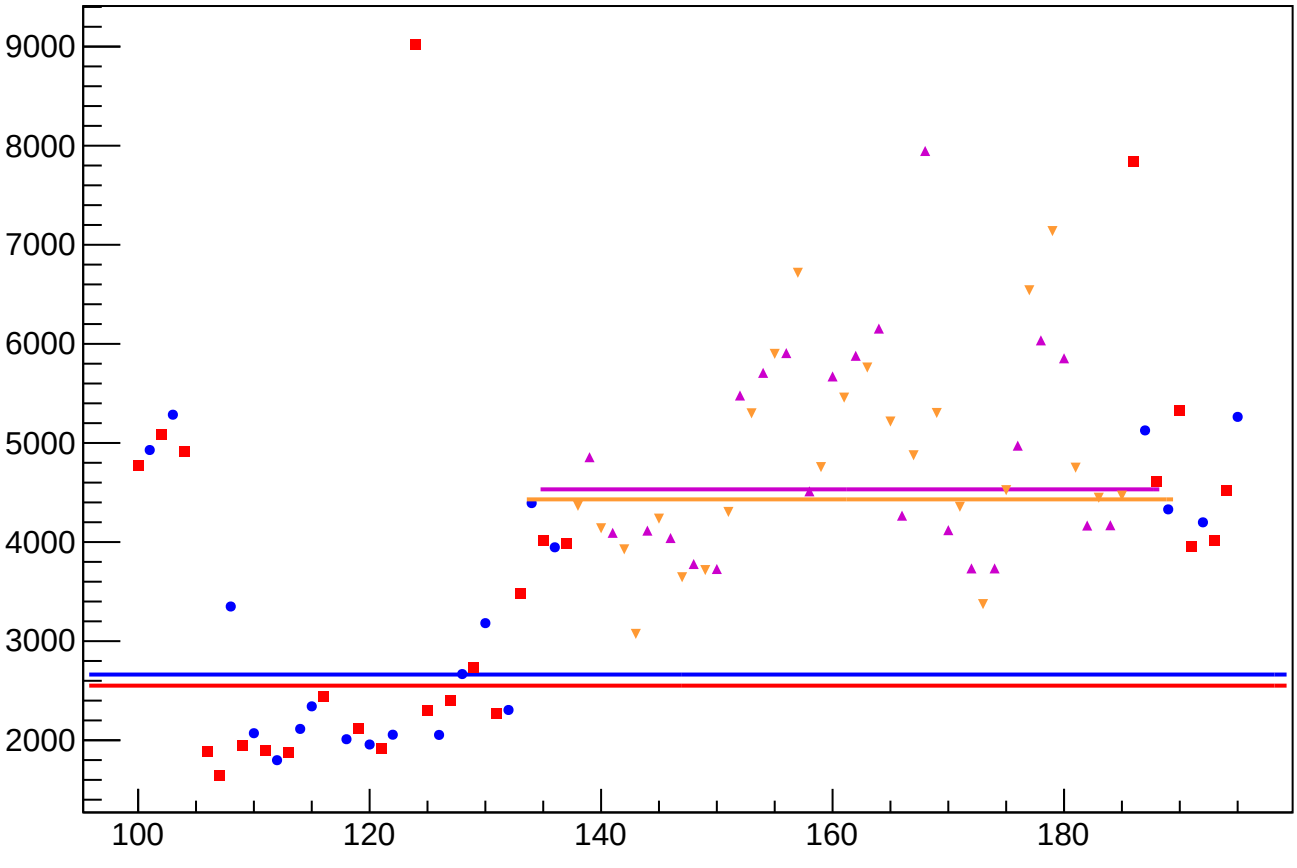
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 278.846+/-614.570 χ^2/NDF: 55.1/44

In: 244.698+/-698.516 χ^2/NDF:33.9/42

Out: 372.475+/-647.438 χ^2/NDF:67.2/49

All: 313.428+/-474.840 χ^2/NDF: 101.2/92



Right In: 2663.038+/-0.647 χ^2/NDF: 2543035.4/19

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2551.078+/-0.587 χ^2/NDF: 3276661.1/24

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

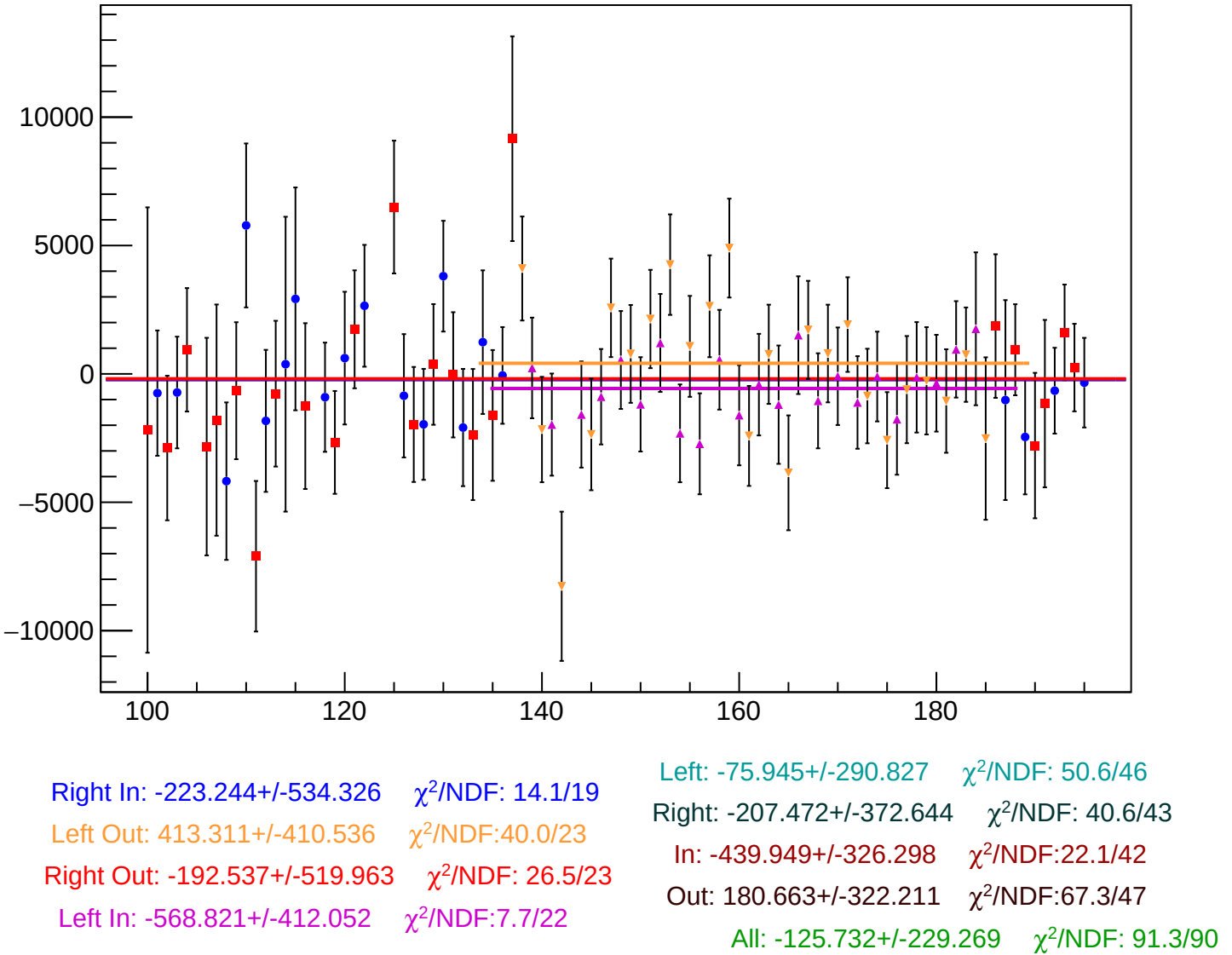
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2601.659+/-0.435 χ^2/NDF: 5836136.4/44

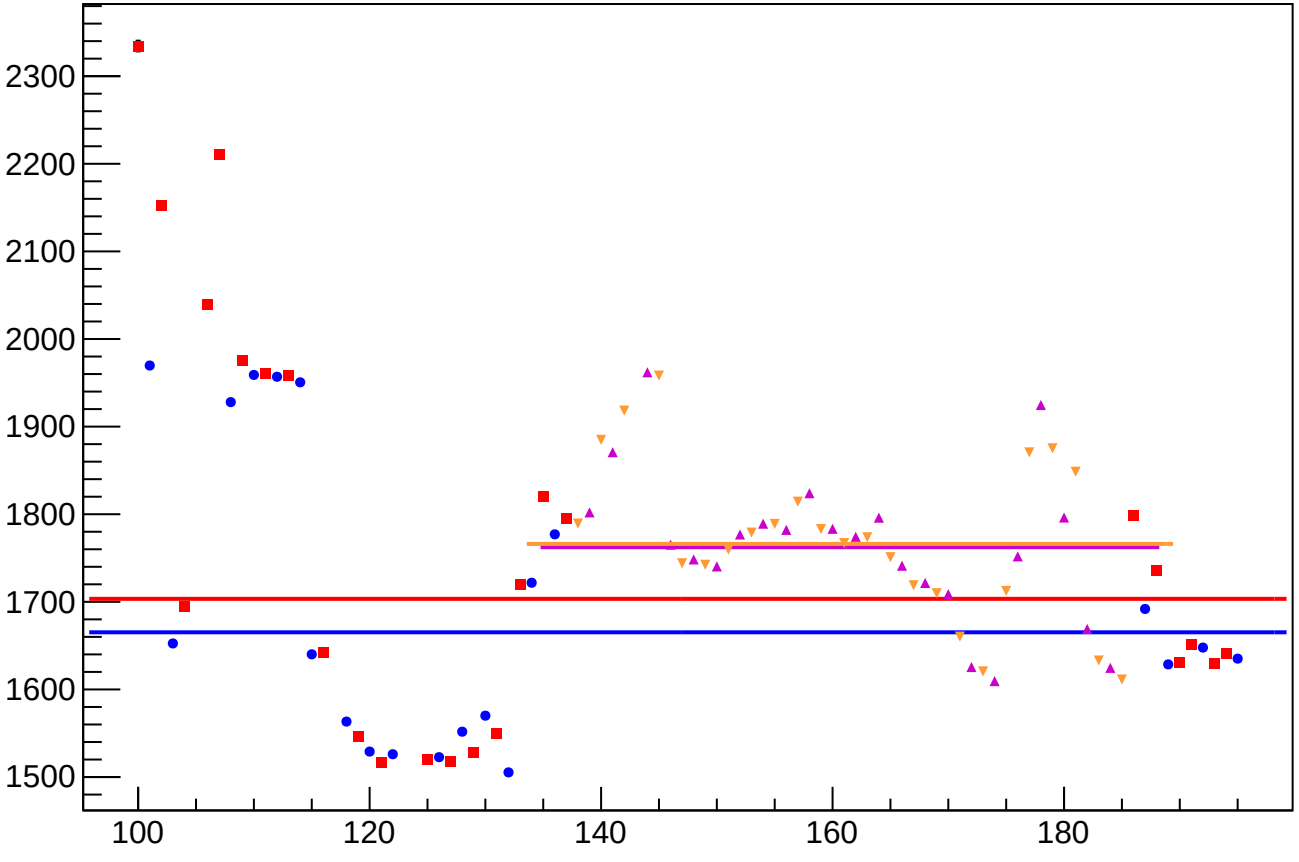
In: 3441.214+/-0.494 χ^2/NDF:7398650.0/42

Out: 3287.109+/-0.458 χ^2/NDF:8906331.2/49

All: 3358.322+/-0.336 χ^2/NDF: 16357342.3/9


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -223.244+/-534.326 χ²/NDF: 14.1/19
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: -192.537+/-519.963 χ²/NDF: 26.5/23
Left In: -568.821+/-412.052 χ²/NDF:7.7/22
Left: -75.945+/-290.827 χ²/NDF: 50.6/46
Right: -207.472+/-372.644 χ²/NDF: 40.6/43
In: -439.949+/-326.298 χ²/NDF:22.1/42
Out: 180.663+/-322.211 χ²/NDF:67.3/47
All: -125.732+/-229.269 χ²/NDF: 91.3/90

eigen_dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1665.230+/-0.378 χ^2/NDF: 142683.0/19

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1703.431+/-0.367 χ^2/NDF: 239262.3/23

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

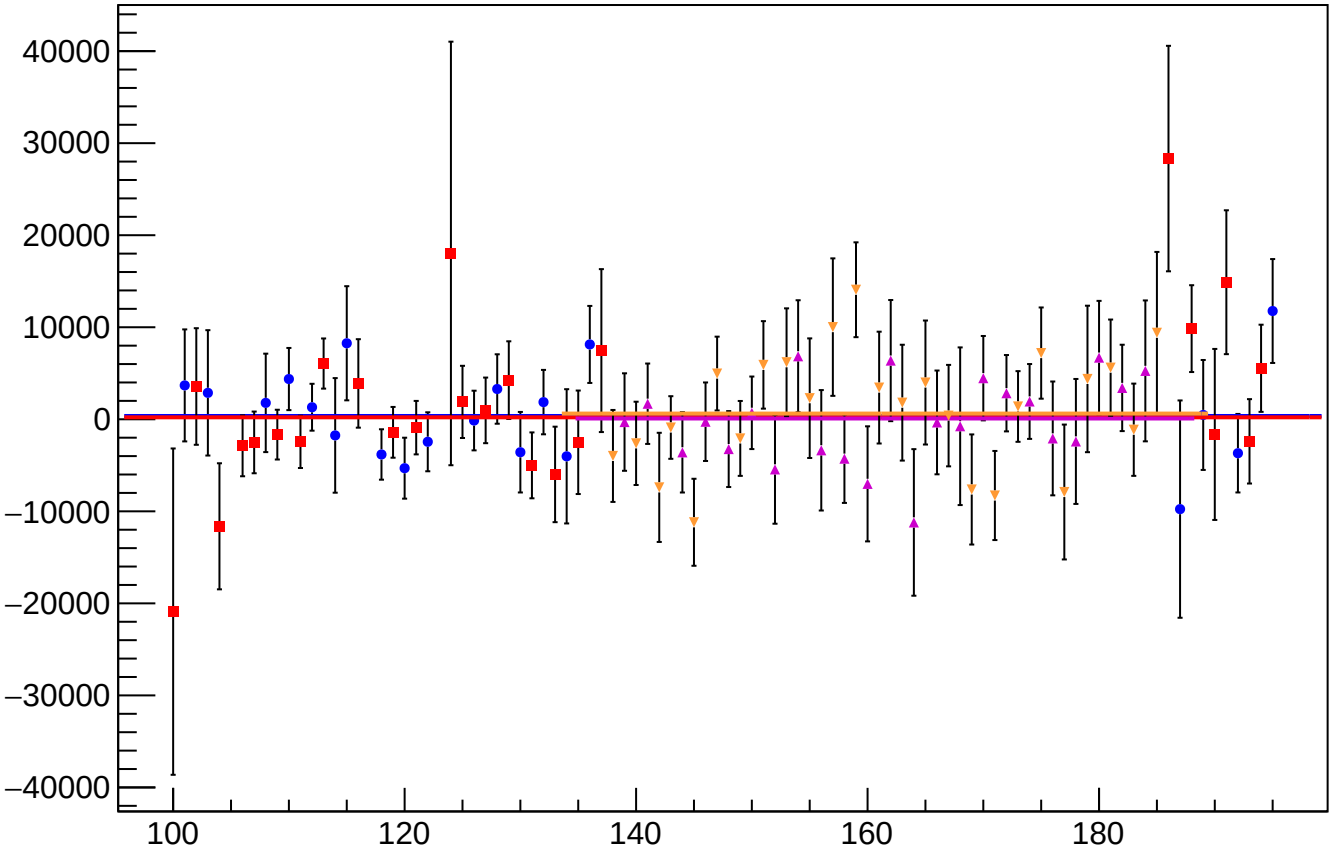
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1684.880+/-0.263 χ^2/NDF: 387203.9/43

In: 1726.167+/-0.231 χ^2/NDF:264258.7/42

Out: 1742.000+/-0.228 χ^2/NDF:340456.4/47

All: 1734.188+/-0.162 χ^2/NDF: 607100.6/90



Right In: 358.262+/-914.345 χ^2/NDF: 21.0/19

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 213.391+/-830.023 χ^2/NDF: 34.1/24

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

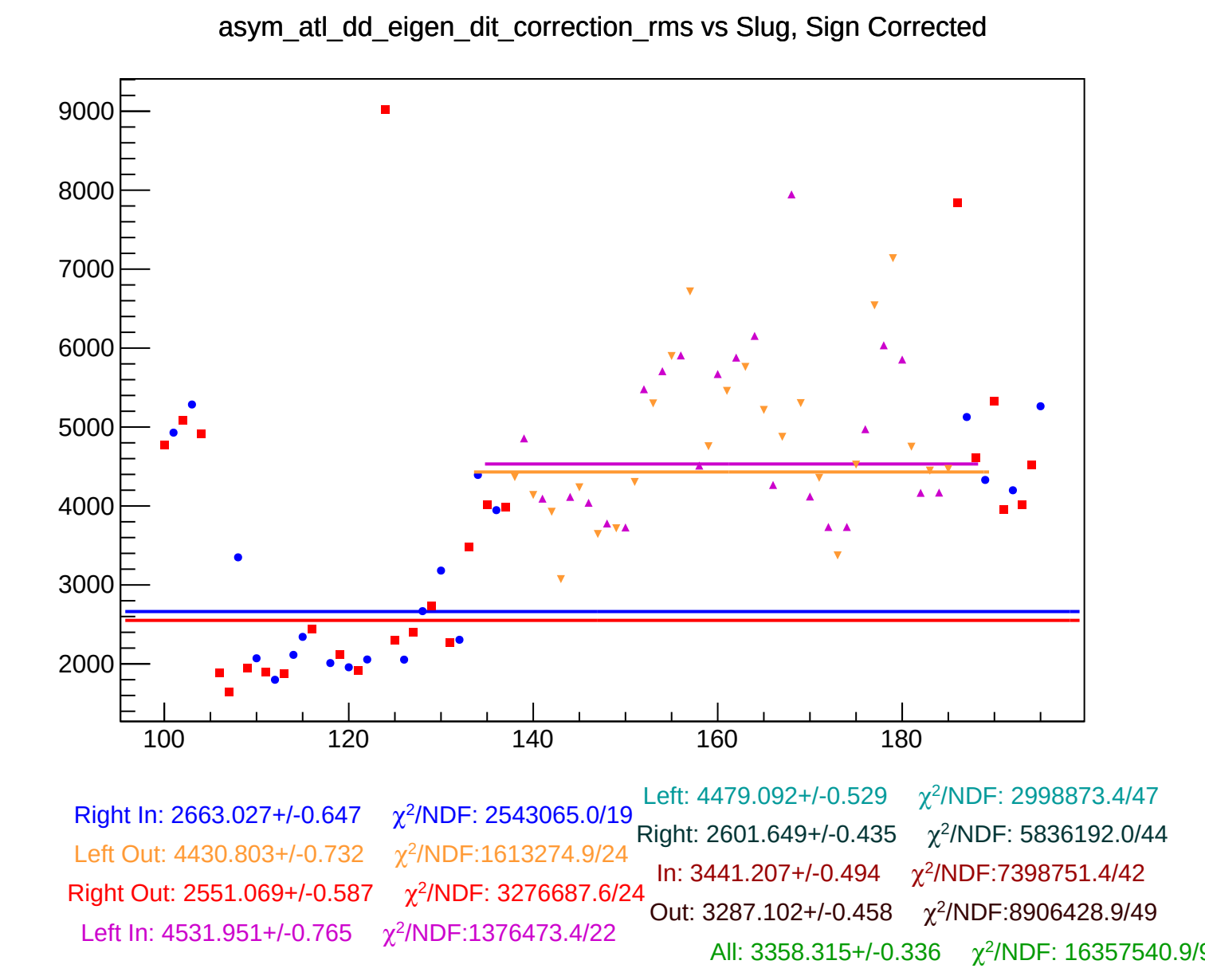
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

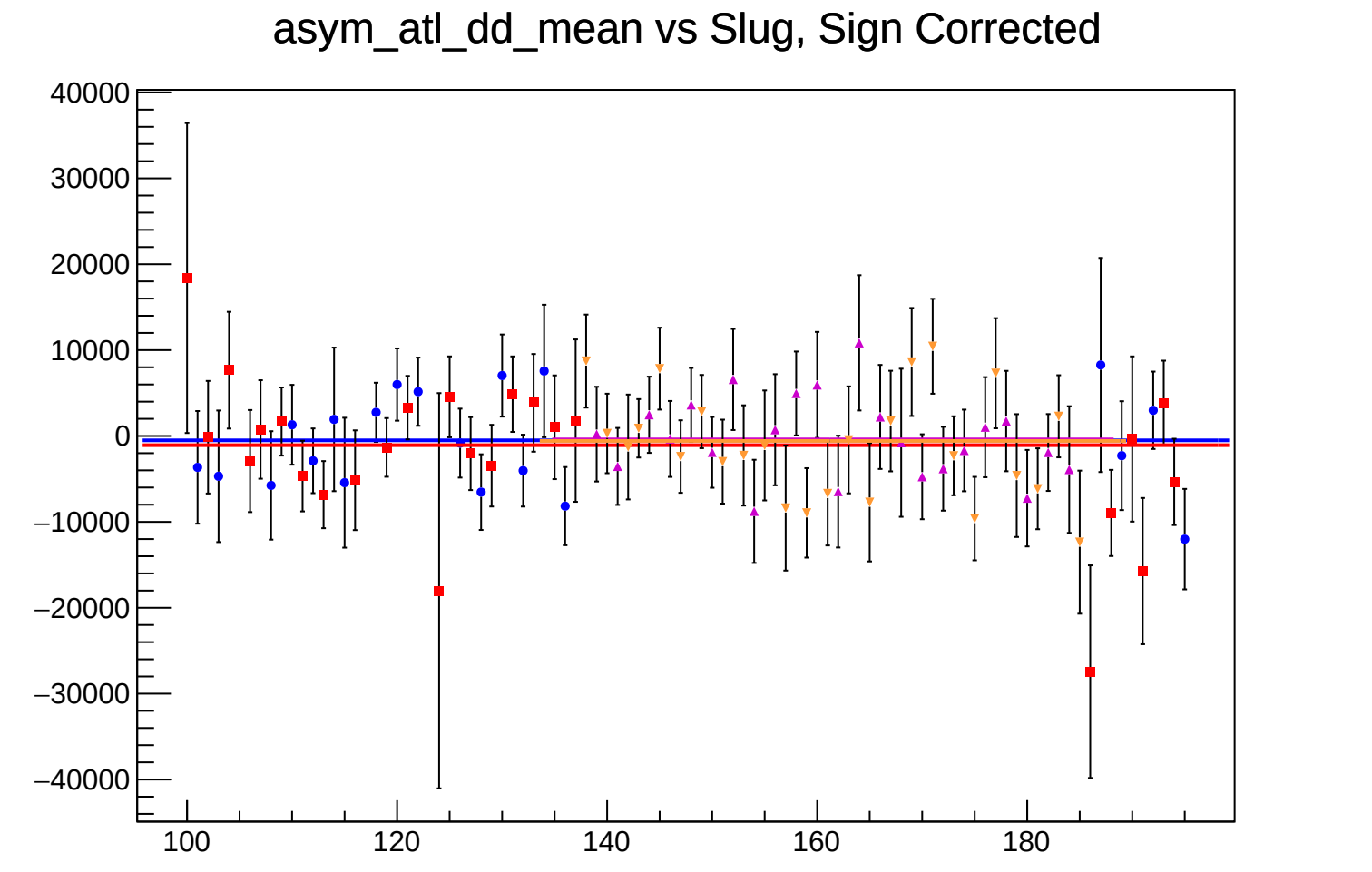
Right: 278.840+/-614.568 χ^2/NDF: 55.1/44

In: 244.695+/-698.515 χ^2/NDF:33.9/42

Out: 372.472+/-647.438 χ^2/NDF:67.2/49

All: 313.425+/-474.839 χ^2/NDF: 101.2/92


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 2663.027+/-0.647 χ²/NDF: 2543065.0/19
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2551.069+/-0.587 χ²/NDF: 3276687.6/24
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 2601.649+/-0.435 χ²/NDF: 5836192.0/44
In: 3441.207+/-0.494 χ²/NDF:7398751.4/42
Out: 3287.102+/-0.458 χ²/NDF:8906428.9/49
All: 3358.315+/-0.336 χ²/NDF: 16357540.9/9



Right In: -505.597+/-1112.911 χ^2/NDF: 21.7/19

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1069.921+/-1052.295 χ^2/NDF: 25.1/24

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

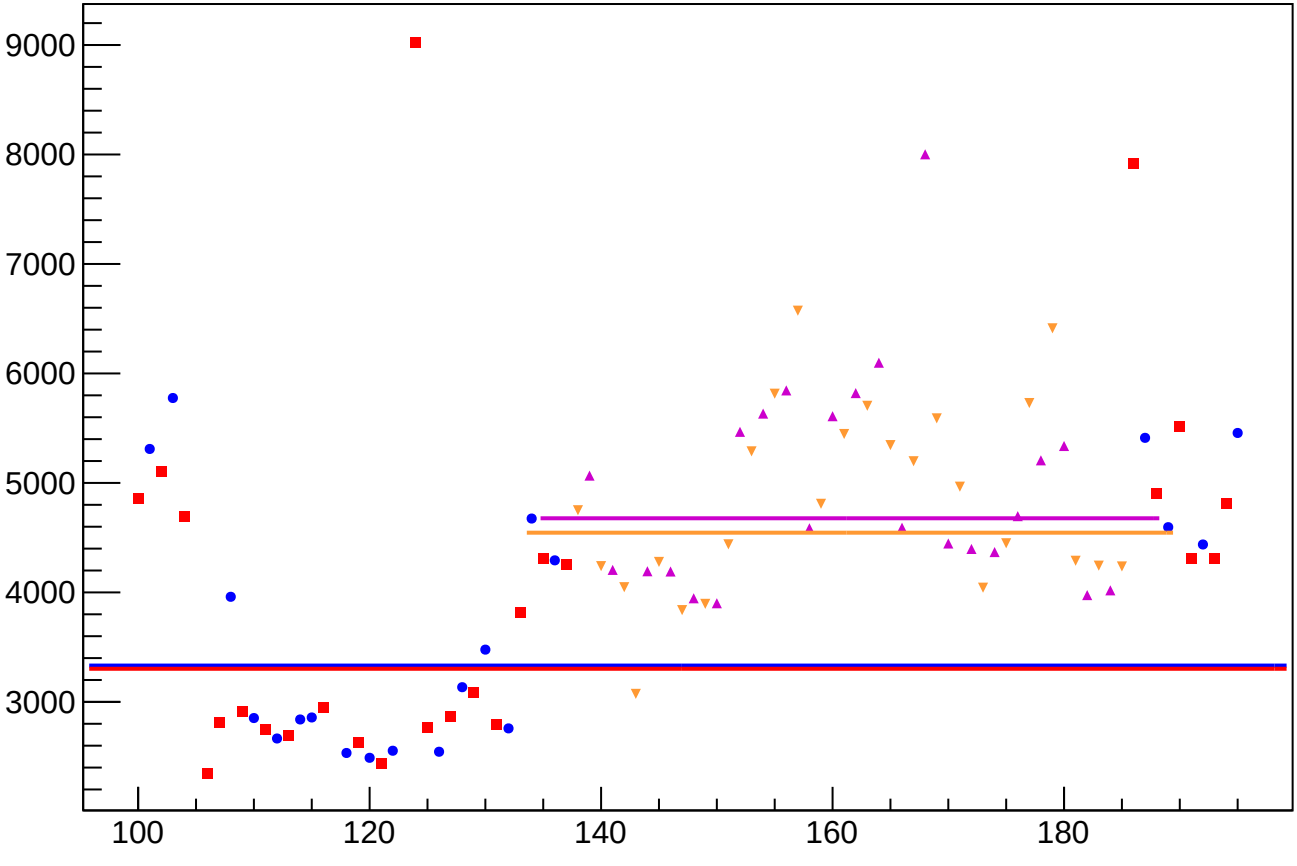
Right: -803.545+/-764.616 χ^2/NDF: 46.9/44

In: -451.835+/-785.735 χ^2/NDF:35.7/42

Out: -822.120+/-744.982 χ^2/NDF:54.0/49

All: -646.829+/-540.615 χ^2/NDF: 89.8/92

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3331.666+/-0.787 χ^2/NDF: 1558377.9/19

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3302.448+/-0.736 χ^2/NDF: 1827447.4/24

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

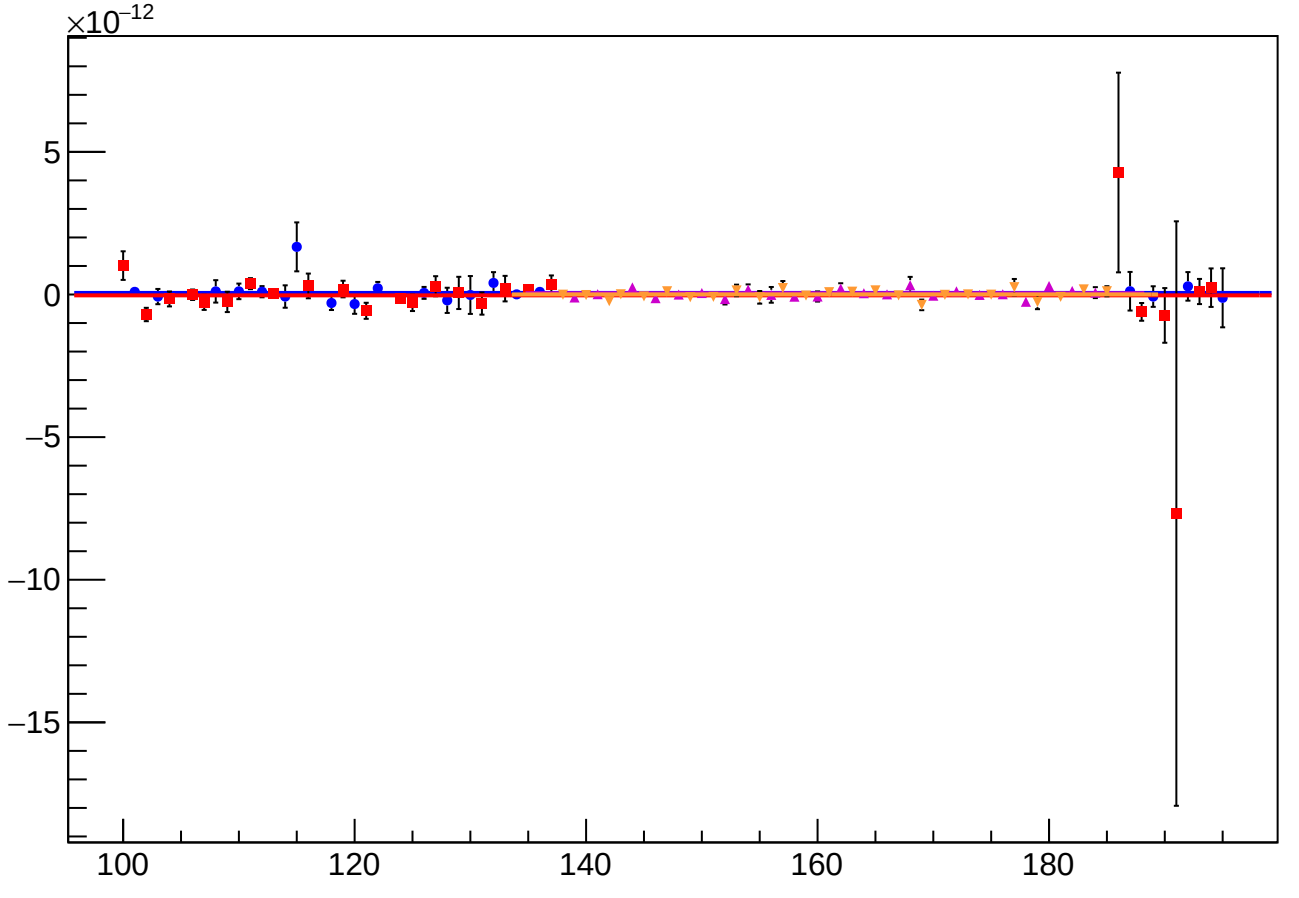
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3316.074+/-0.537 χ^2/NDF: 3386560.9/44

In: 4006.428+/-0.556 χ^2/NDF:3984172.5/42

Out: 3915.429+/-0.524 χ^2/NDF:4493746.0/49

All: 3958.248+/-0.381 χ^2/NDF: 8492121.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 9.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.5/24

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

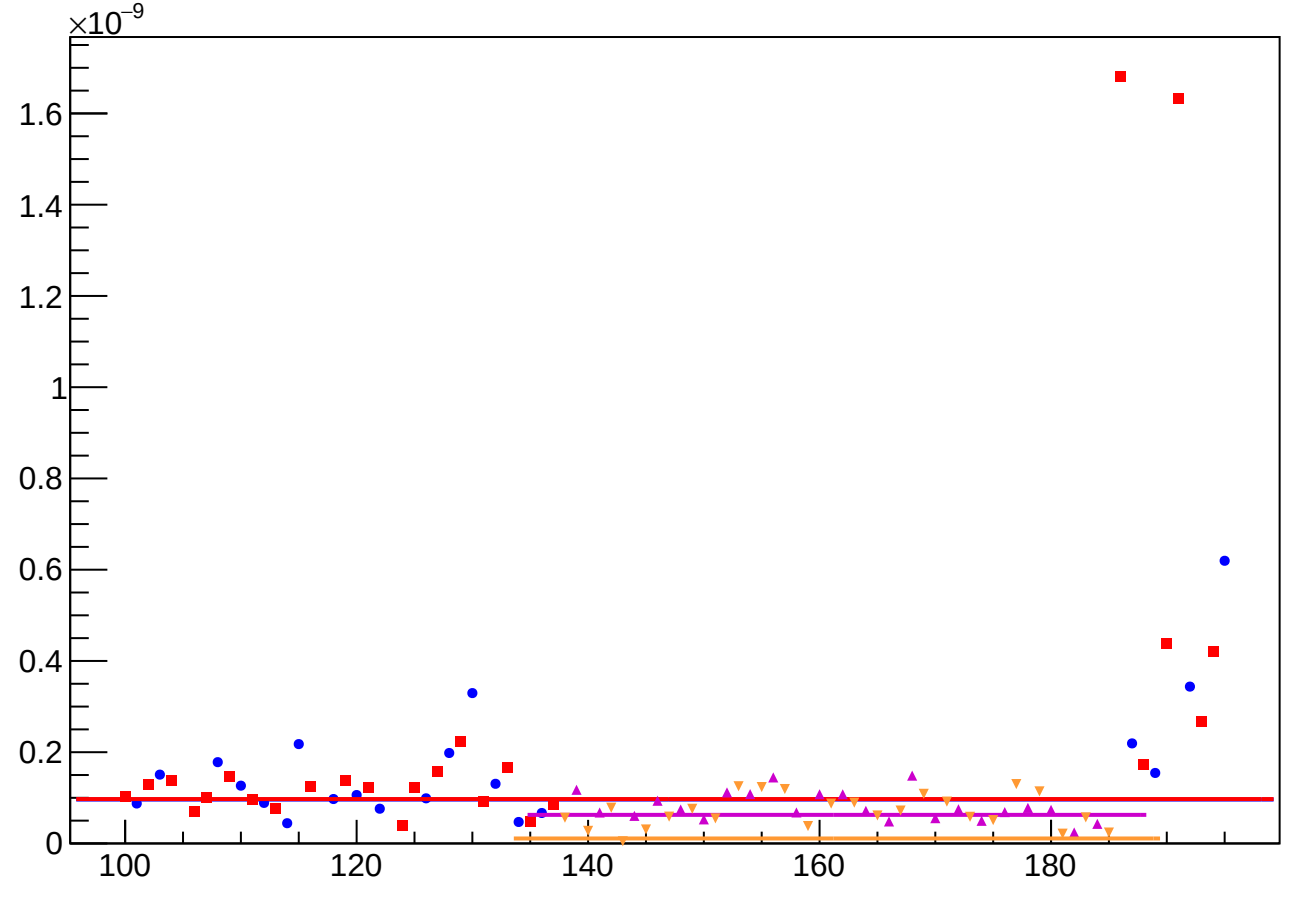
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 47.4/44

In: 0.000+/-0.000 χ^2/NDF:30.3/42

Out: 0.000+/-0.000 χ^2/NDF:55.0/49

All: 0.000+/-0.000 χ^2/NDF: 88.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 2098677.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2644765.5/24

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

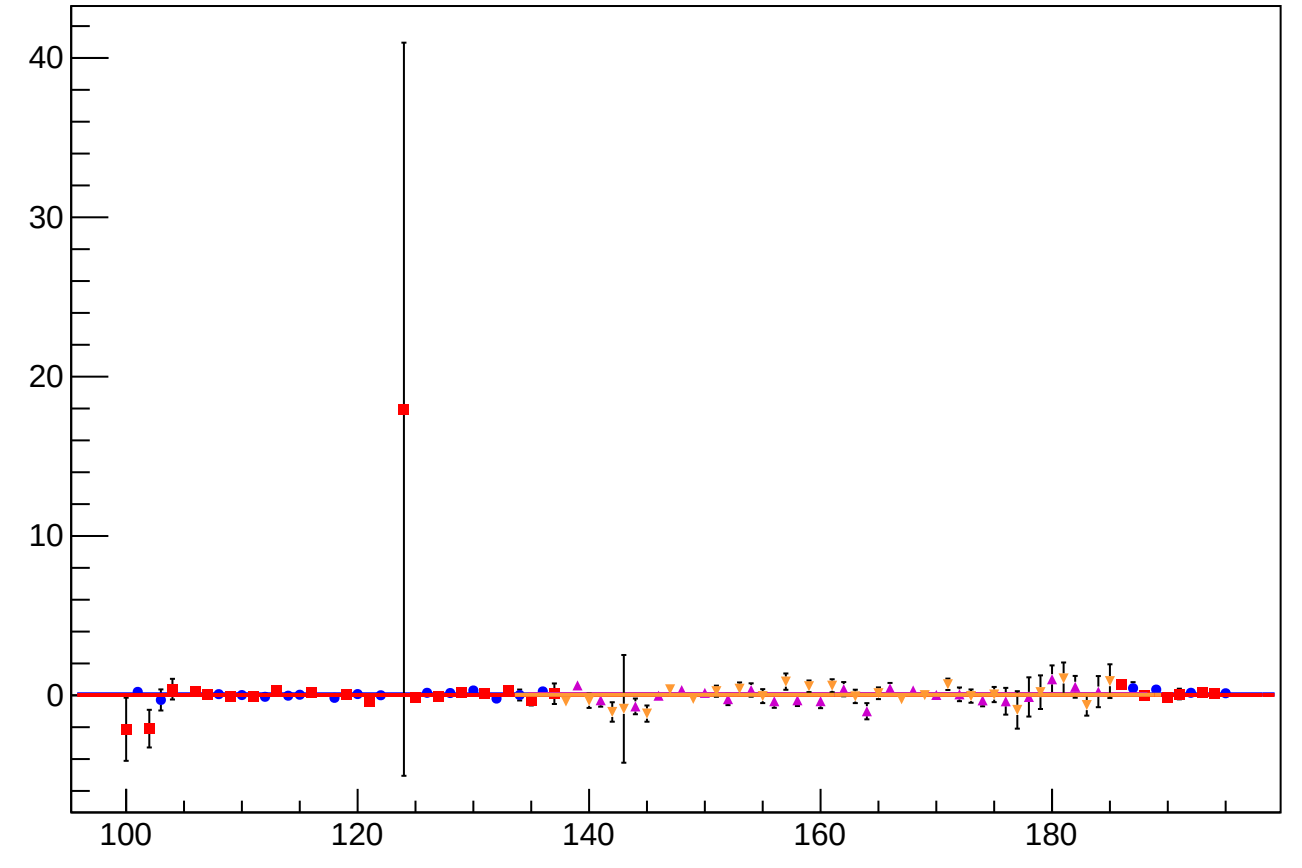
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 4743804.0/44

In: 0.000+/-0.000 χ^2/NDF:4797363.5/42

Out: 0.000+/-0.000 χ^2/NDF:17316148.6/49

All: 0.000+/-0.000 χ^2/NDF: 32147832.4/92



Right In: 0.066+/-0.041 χ^2/NDF: 14.3/19

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.021+/-0.036 χ^2/NDF: 29.3/24

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

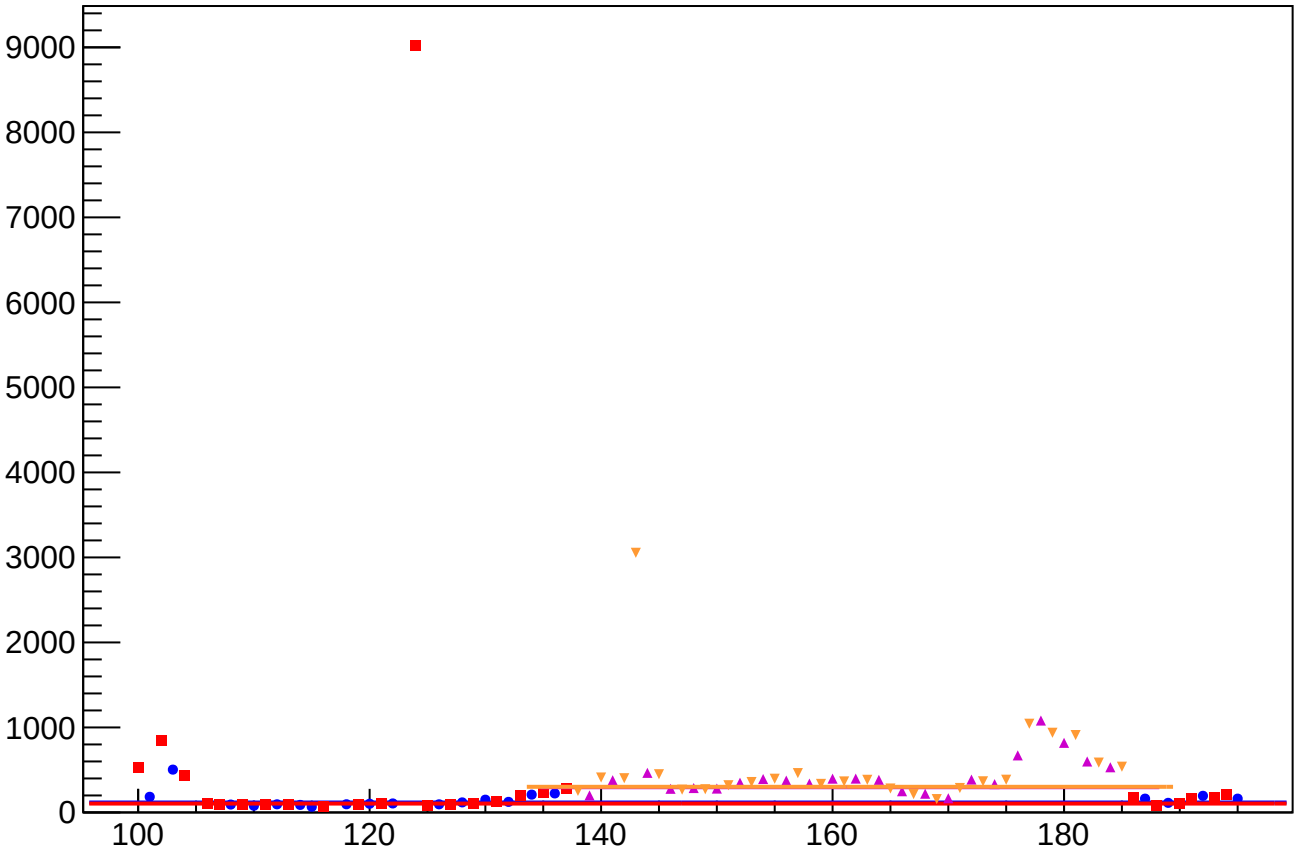
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.040+/-0.027 χ^2/NDF: 44.3/44

In: 0.068+/-0.036 χ^2/NDF:38.4/42

Out: 0.024+/-0.033 χ^2/NDF:59.0/49

All: 0.044+/-0.024 χ^2/NDF: 98.2/92



Right In: 117.041+/-0.029 χ^2/NDF: 2430019.3/19

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 104.515+/-0.025 χ^2/NDF: 3690115.9/24

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

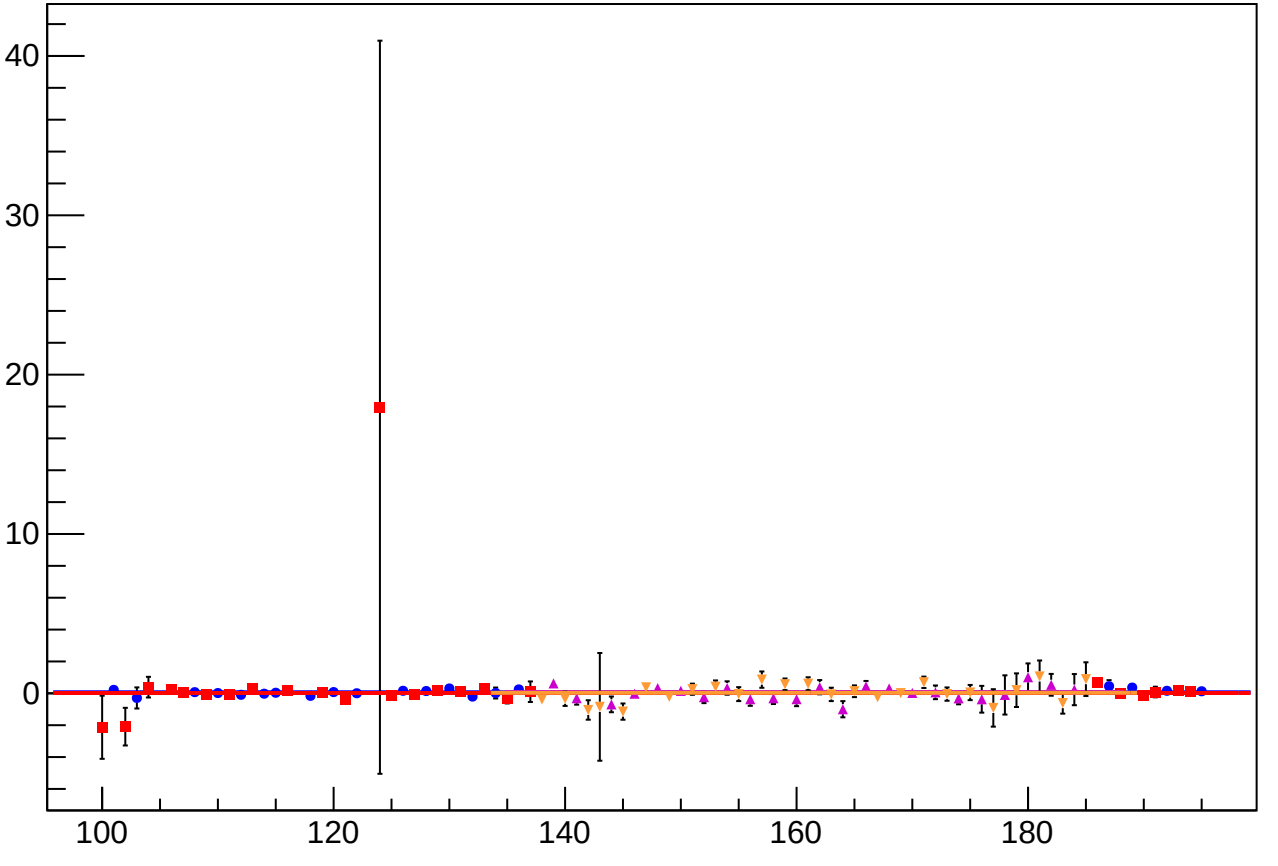
Right: 109.925+/-0.019 χ^2/NDF: 6224975.1/44

In: 158.158+/-0.026 χ^2/NDF:16045590.2/42

Out: 139.871+/-0.023 χ^2/NDF:21170878.0/49

All: 148.049+/-0.017 χ^2/NDF: 37498348.2/92

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.066+/-0.041 χ^2/NDF: 14.3/19

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.021+/-0.036 χ^2/NDF: 29.3/24

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

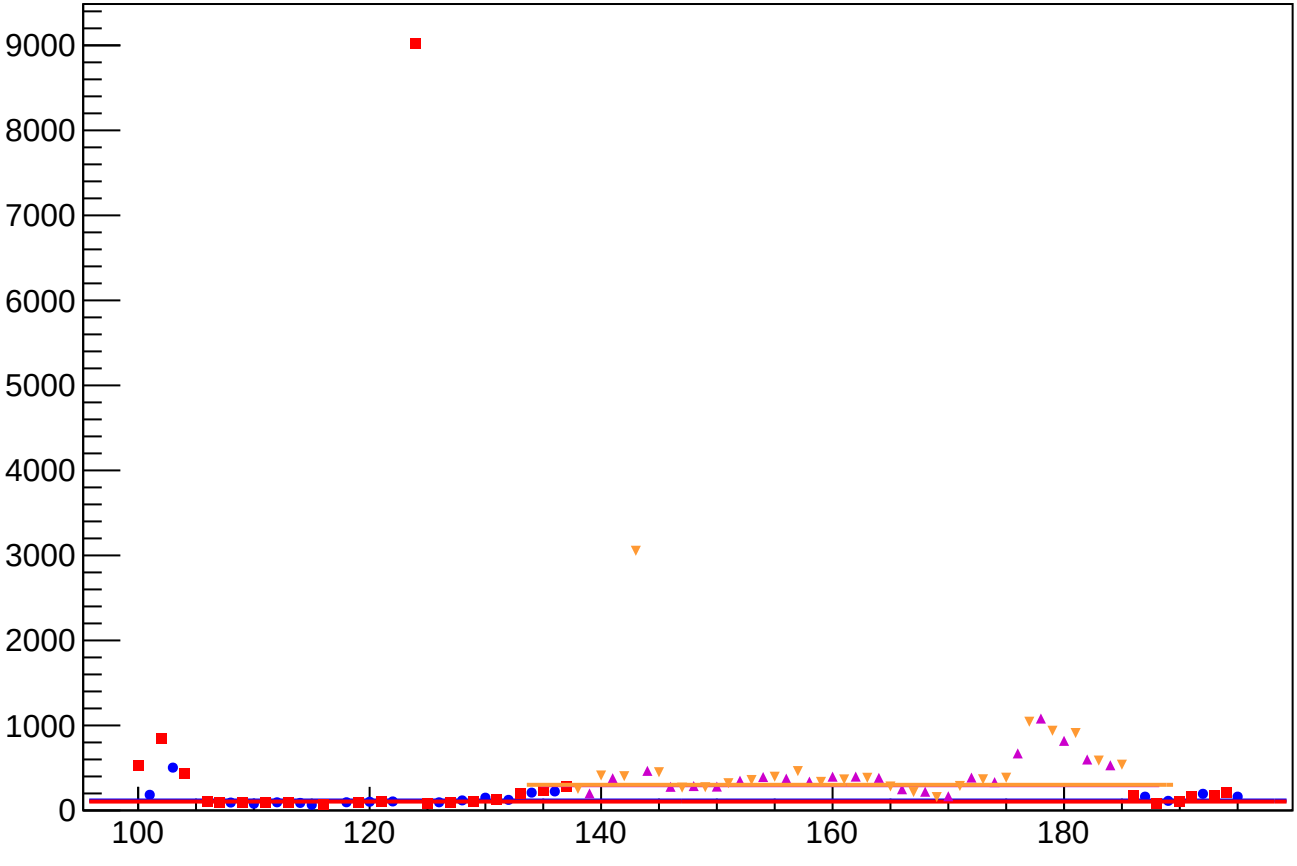
Right: 0.040+/-0.027 χ^2/NDF: 44.3/44

In: 0.068+/-0.036 χ^2/NDF:38.4/42

Out: 0.024+/-0.033 χ^2/NDF:59.0/49

All: 0.044+/-0.024 χ^2/NDF: 98.2/92

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.041+/-0.029 χ^2/NDF: 2430019.3/19

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 104.515+/-0.025 χ^2/NDF: 3690115.9/24

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

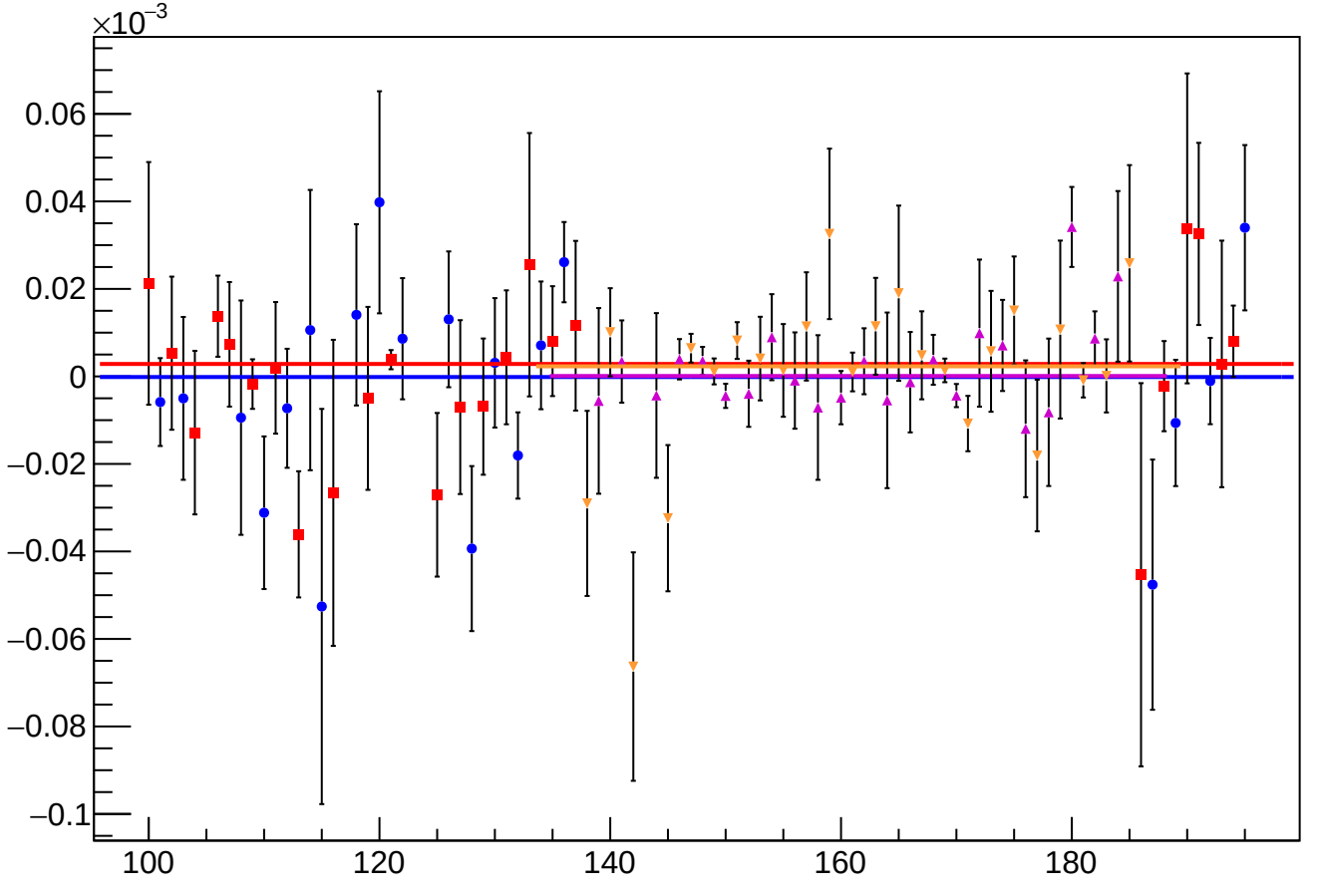
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 109.925+/-0.019 χ^2/NDF: 6224975.1/44

In: 158.158+/-0.026 χ^2/NDF:16045590.2/42

Out: 139.871+/-0.023 χ^2/NDF:21170878.0/49

All: 148.049+/-0.017 χ^2/NDF: 37498348.2/92



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/23

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

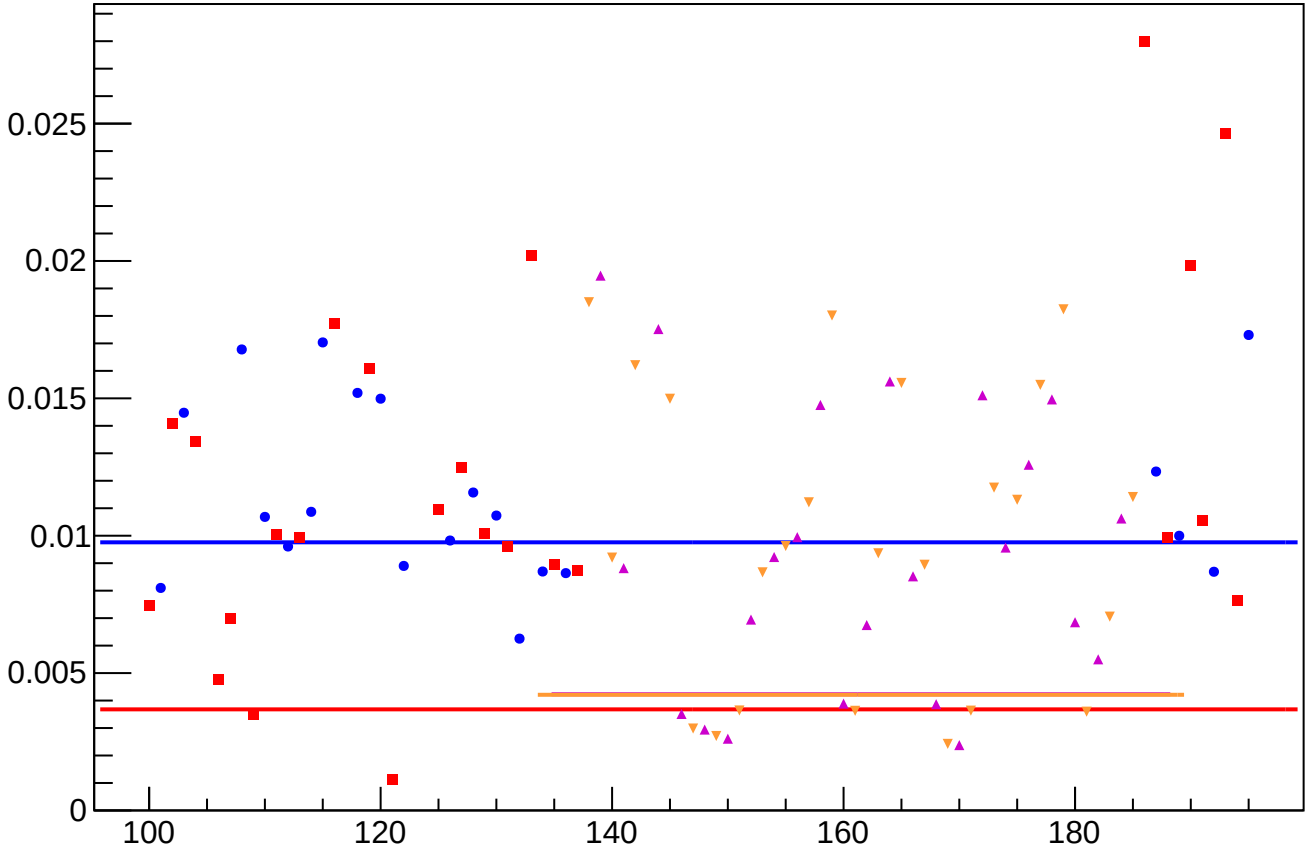
Right: 0.000+/-0.000 χ^2/NDF: 53.3/43

In: 0.000+/-0.000 χ^2/NDF:61.2/42

Out: 0.000+/-0.000 χ^2/NDF:51.7/47

All: 0.000+/-0.000 χ^2/NDF: 115.3/90

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1291382.0/19

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 11910811.9/23

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

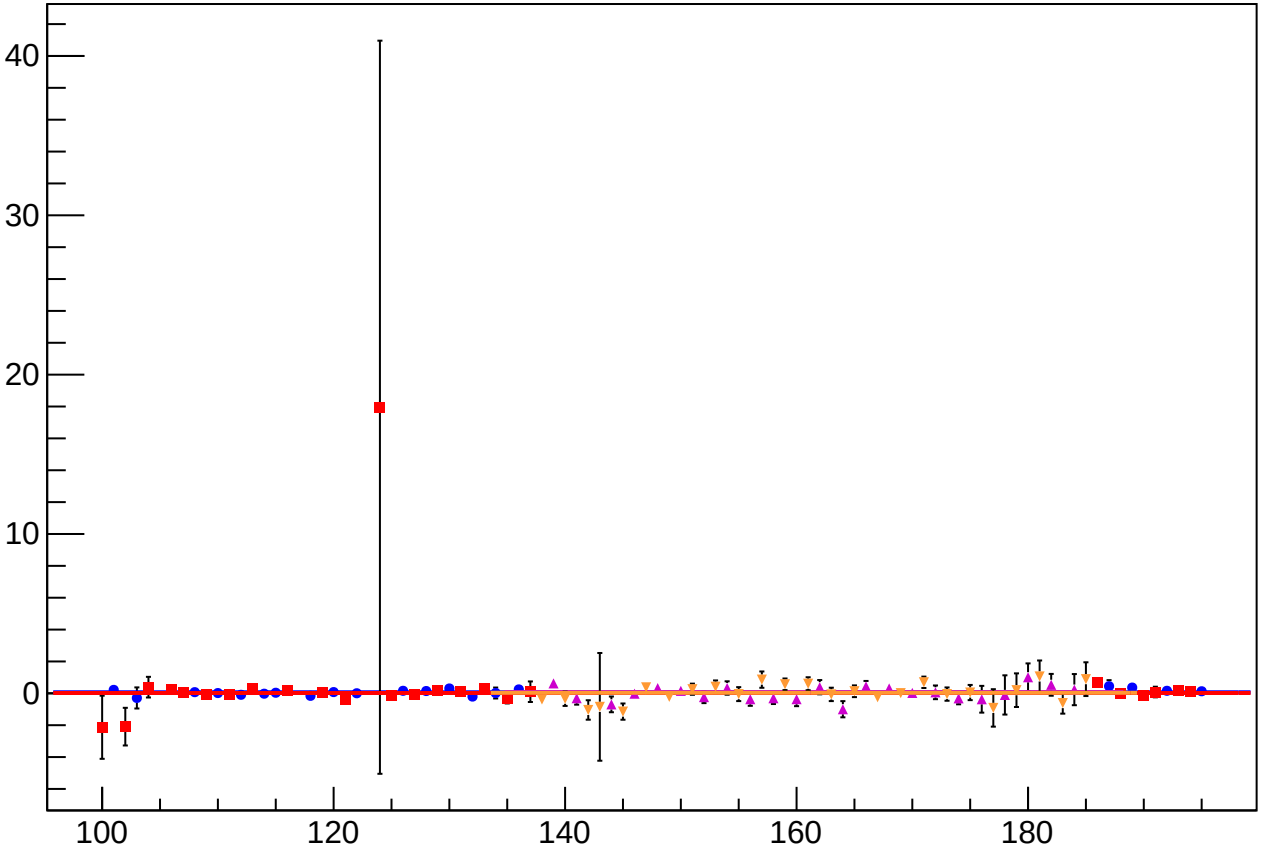
Right: 0.005+/-0.000 χ^2/NDF: 18468011.1/43

In: 0.005+/-0.000 χ^2/NDF:17177560.4/42

Out: 0.004+/-0.000 χ^2/NDF:24111031.6/47

All: 0.004+/-0.000 χ^2/NDF: 41962673.4/90

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.066+/-0.041 χ^2/NDF: 14.3/19

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.021+/-0.036 χ^2/NDF: 29.3/24

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

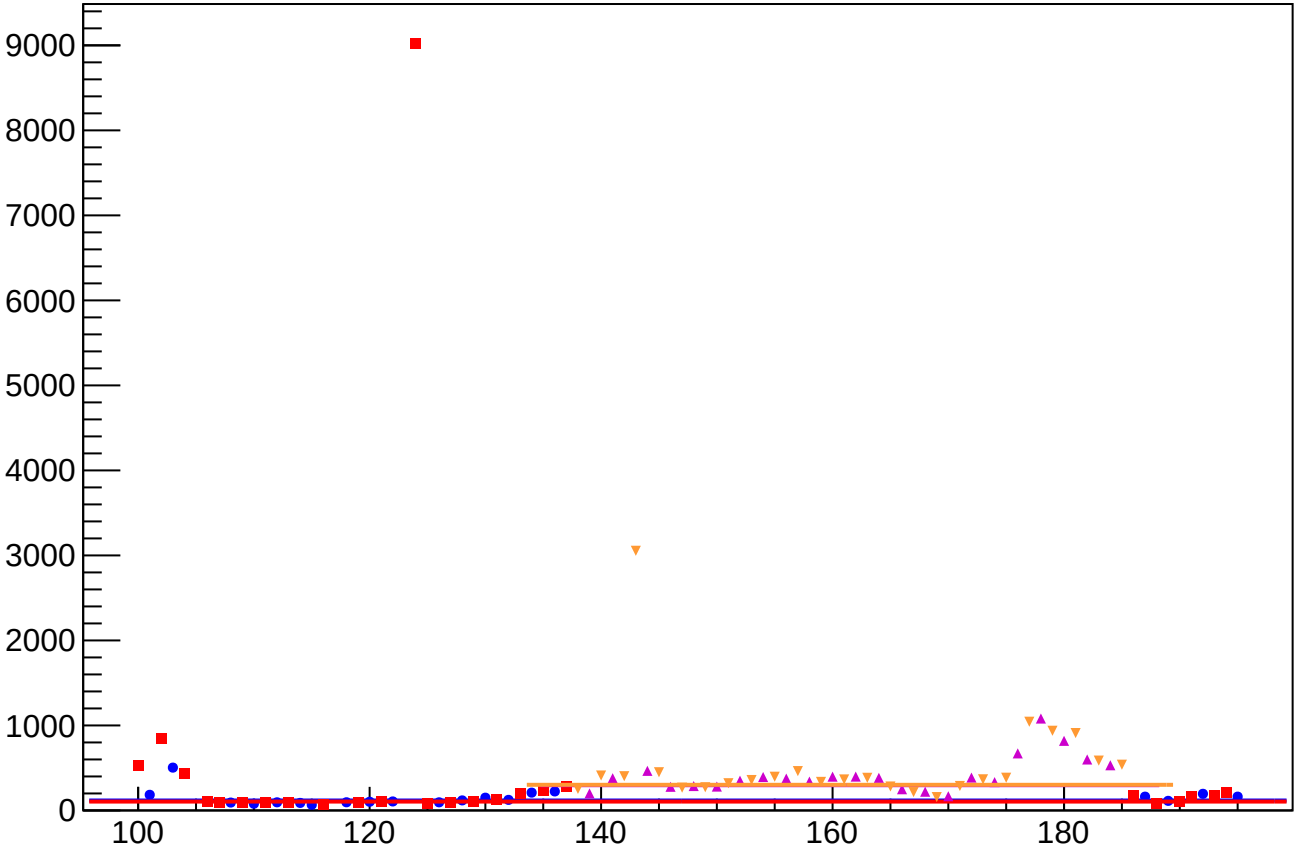
Right: 0.040+/-0.027 χ^2/NDF: 44.3/44

In: 0.068+/-0.036 χ^2/NDF:38.4/42

Out: 0.024+/-0.033 χ^2/NDF:59.0/49

All: 0.044+/-0.024 χ^2/NDF: 98.2/92

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.041+/-0.029 χ^2/NDF: 2429954.4/19

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 104.515+/-0.025 χ^2/NDF: 3689990.0/24

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

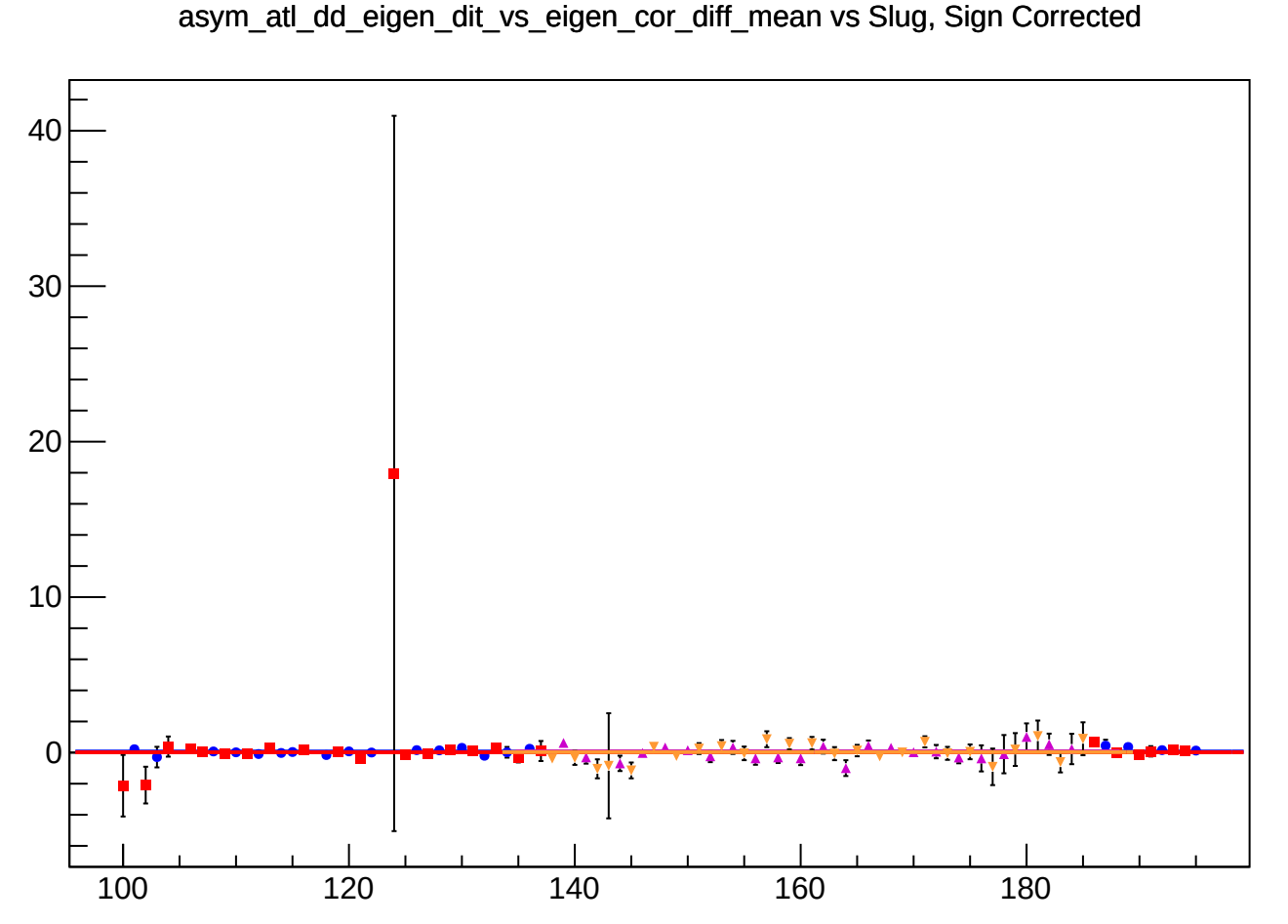
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 109.926+/-0.019 χ^2/NDF: 6224777.0/44

In: 158.158+/-0.026 χ^2/NDF:16045626.5/42

Out: 139.872+/-0.023 χ^2/NDF:21170803.1/49

All: 148.050+/-0.017 χ^2/NDF: 37498299.8/92



Right In: 0.066+/-0.041 χ^2/NDF: 14.3/19

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.021+/-0.036 χ^2/NDF: 29.3/24

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

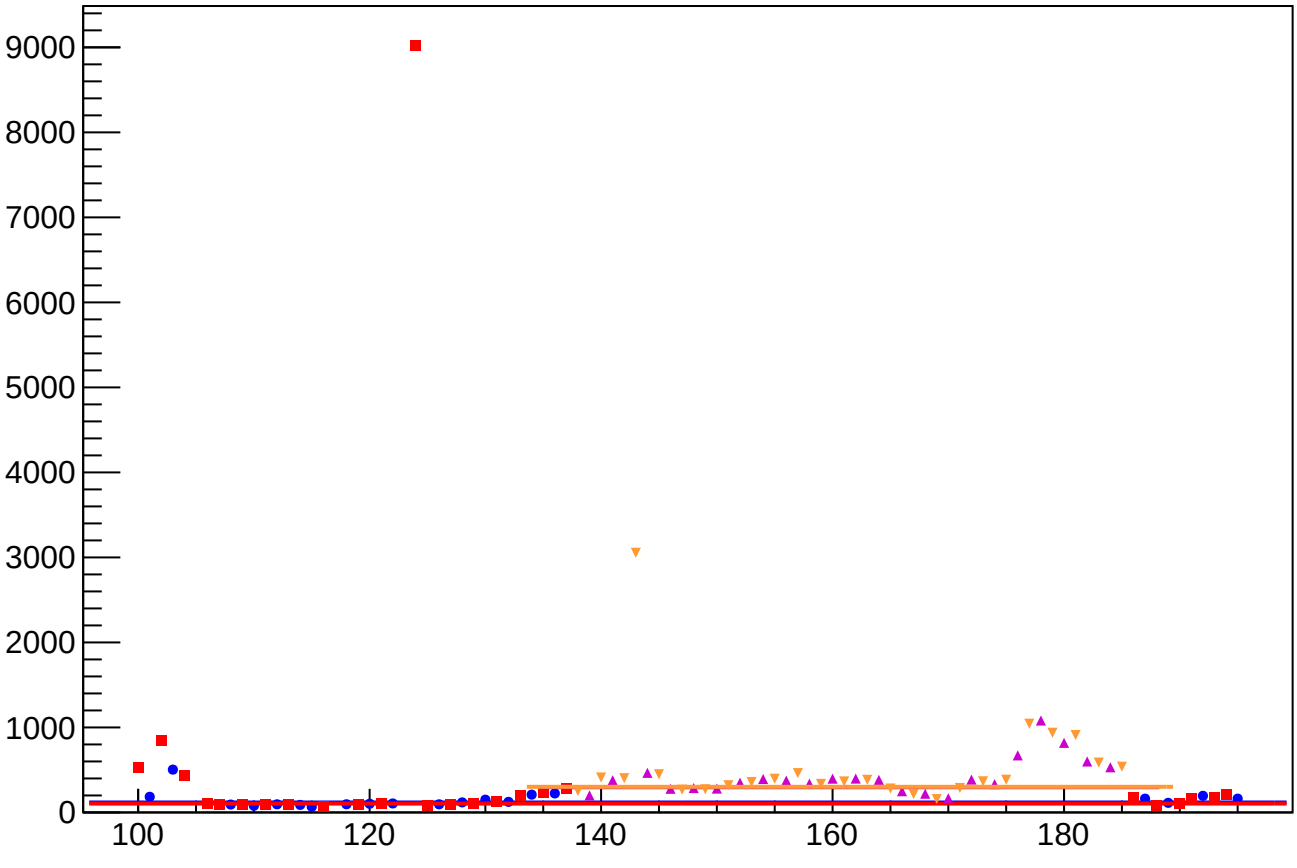
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.040+/-0.027 χ^2/NDF: 44.3/44

In: 0.068+/-0.036 χ^2/NDF:38.4/42

Out: 0.024+/-0.033 χ^2/NDF:59.0/49

All: 0.044+/-0.024 χ^2/NDF: 98.2/92



Right In: 117.041+/-0.029 χ^2/NDF: 2429954.4/19

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 104.515+/-0.025 χ^2/NDF: 3689990.0/24

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

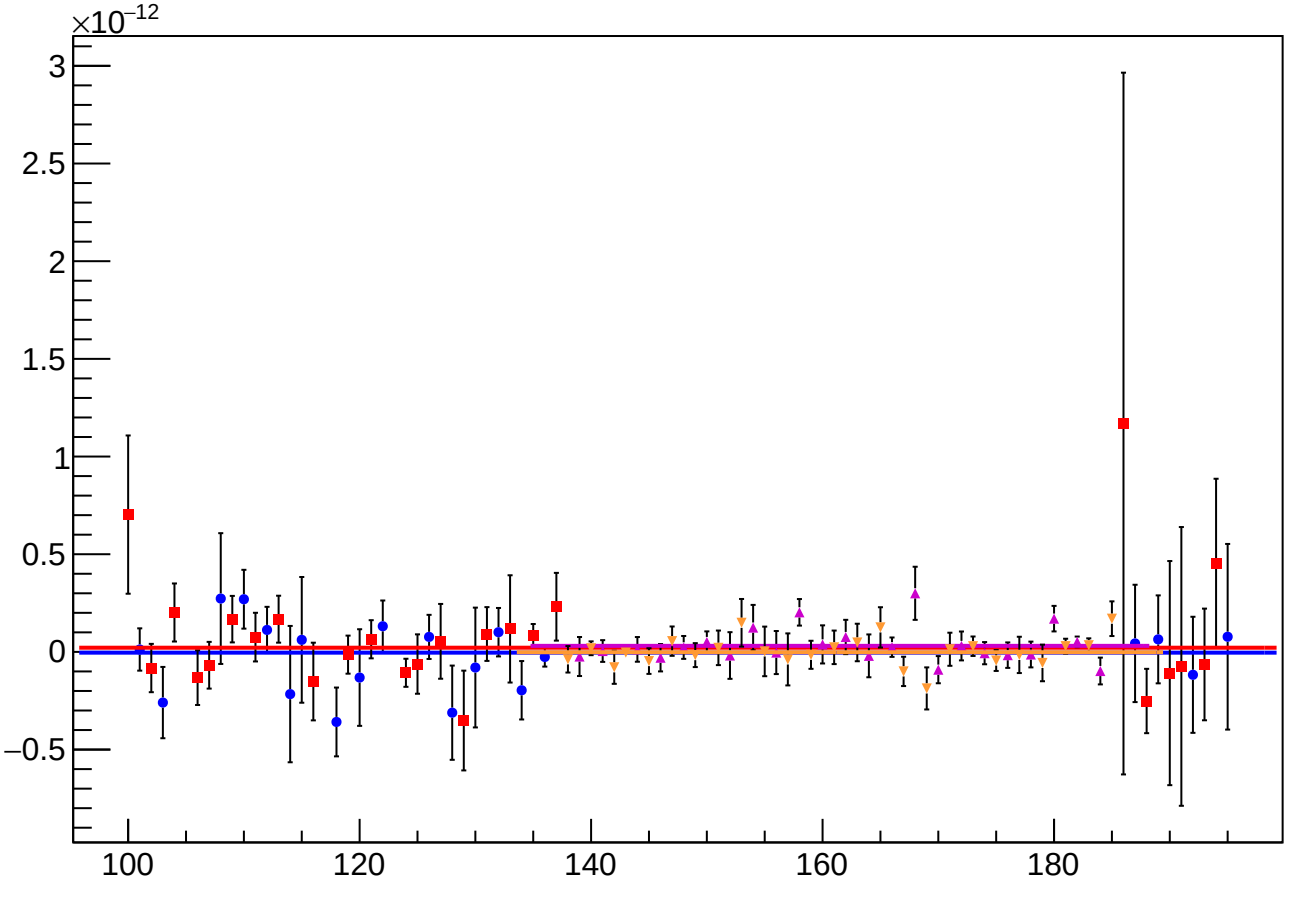
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 109.926+/-0.019 χ^2/NDF: 6224777.0/44

In: 158.158+/-0.026 χ^2/NDF:16045626.5/42

Out: 139.872+/-0.023 χ^2/NDF:21170803.1/49

All: 148.050+/-0.017 χ^2/NDF: 37498299.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/24

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

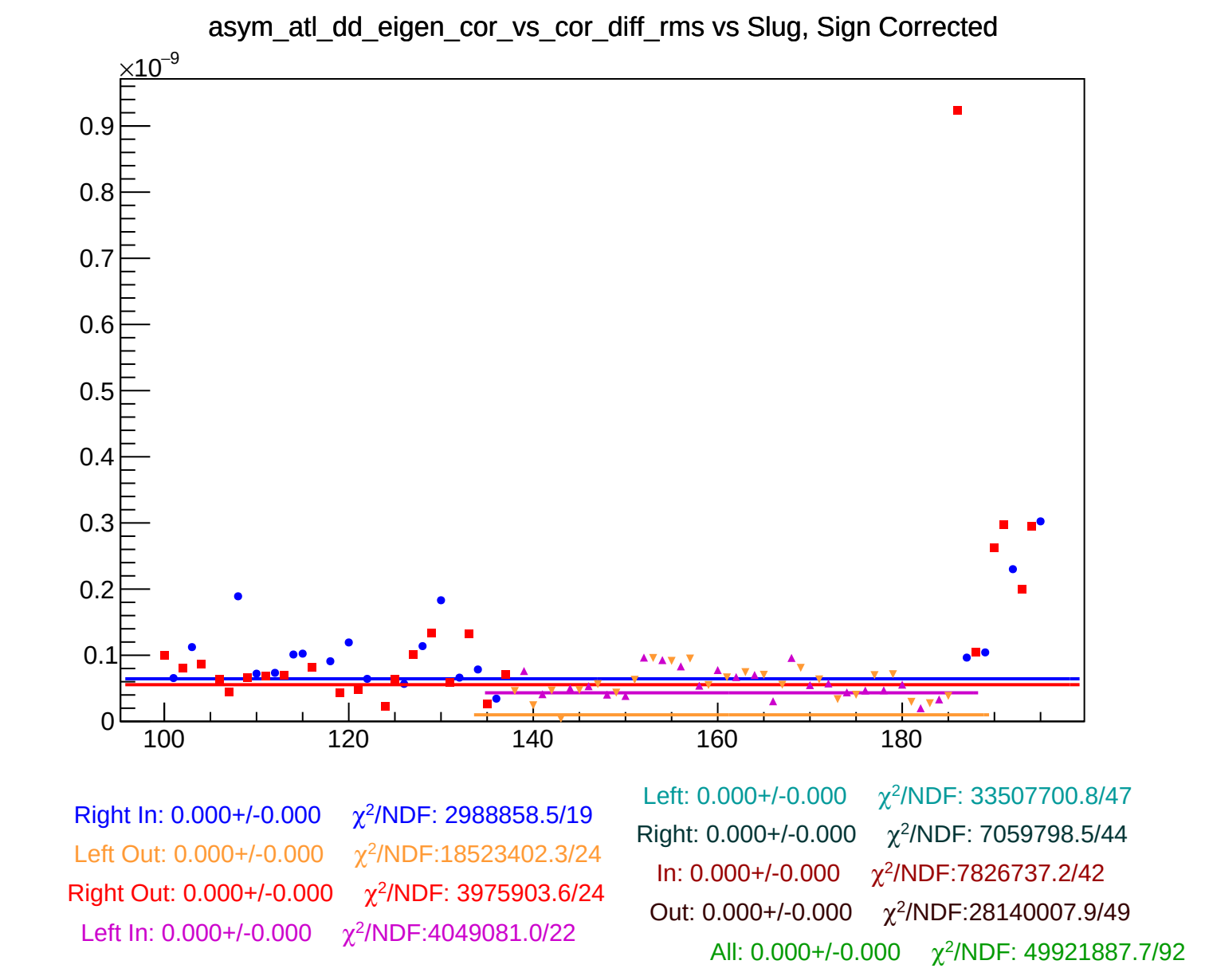
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 42.2/44

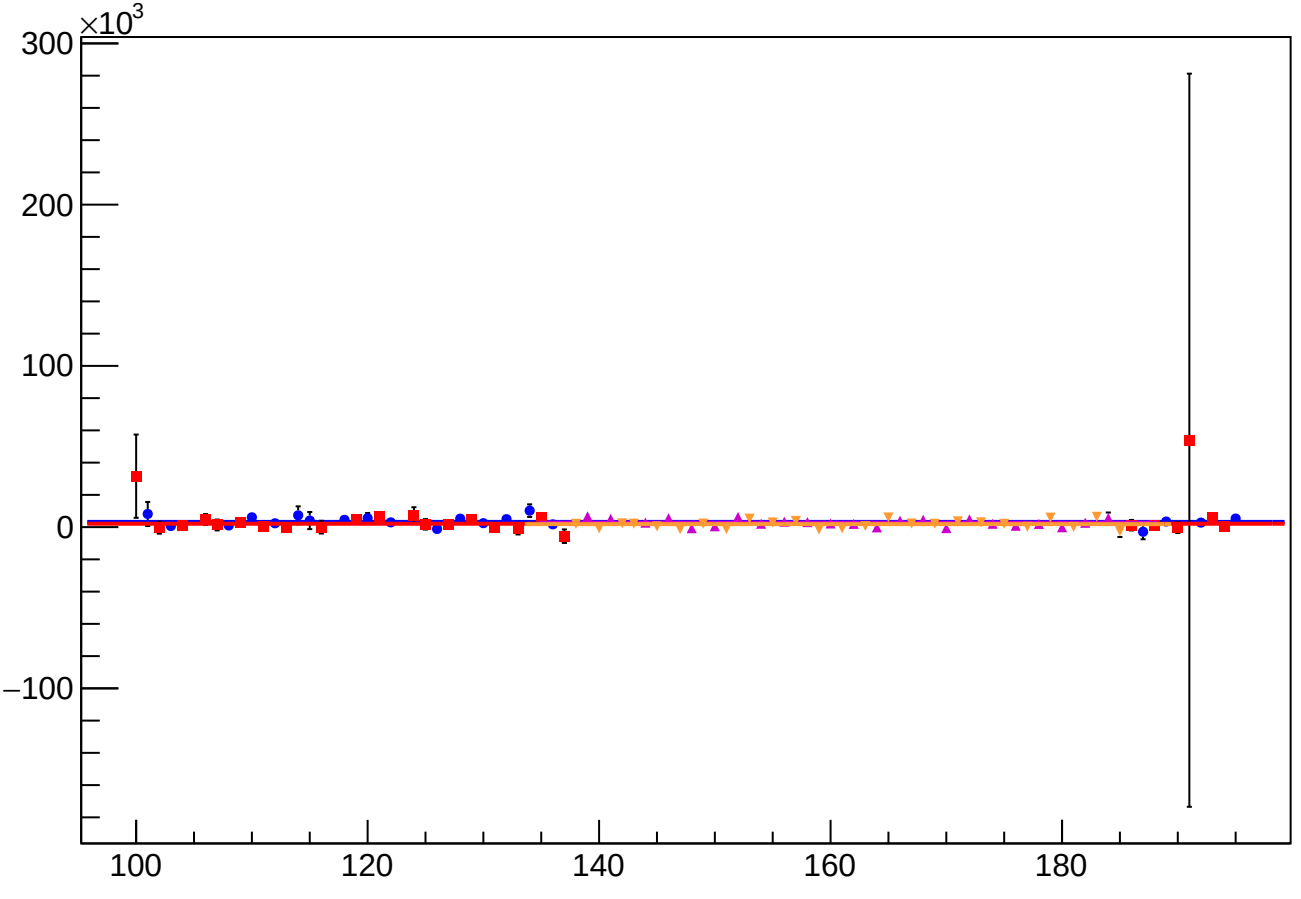
In: 0.000+/-0.000 χ^2/NDF:45.2/42

Out: -0.000+/-0.000 χ^2/NDF:42.5/49

All: 0.000+/-0.000 χ^2/NDF: 91.7/92


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
Right In: 0.000+/-0.000 χ²/NDF: 2988858.5/19
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 3975903.6/24
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: 7059798.5/44
In: 0.000+/-0.000 χ²/NDF:7826737.2/42
Out: 0.000+/-0.000 χ²/NDF:28140007.9/49
All: 0.000+/-0.000 χ²/NDF: 49921887.7/92

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3235.308+/-629.470 χ^2/NDF: 14.4/19

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2098.092+/-595.829 χ^2/NDF: 20.8/24

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

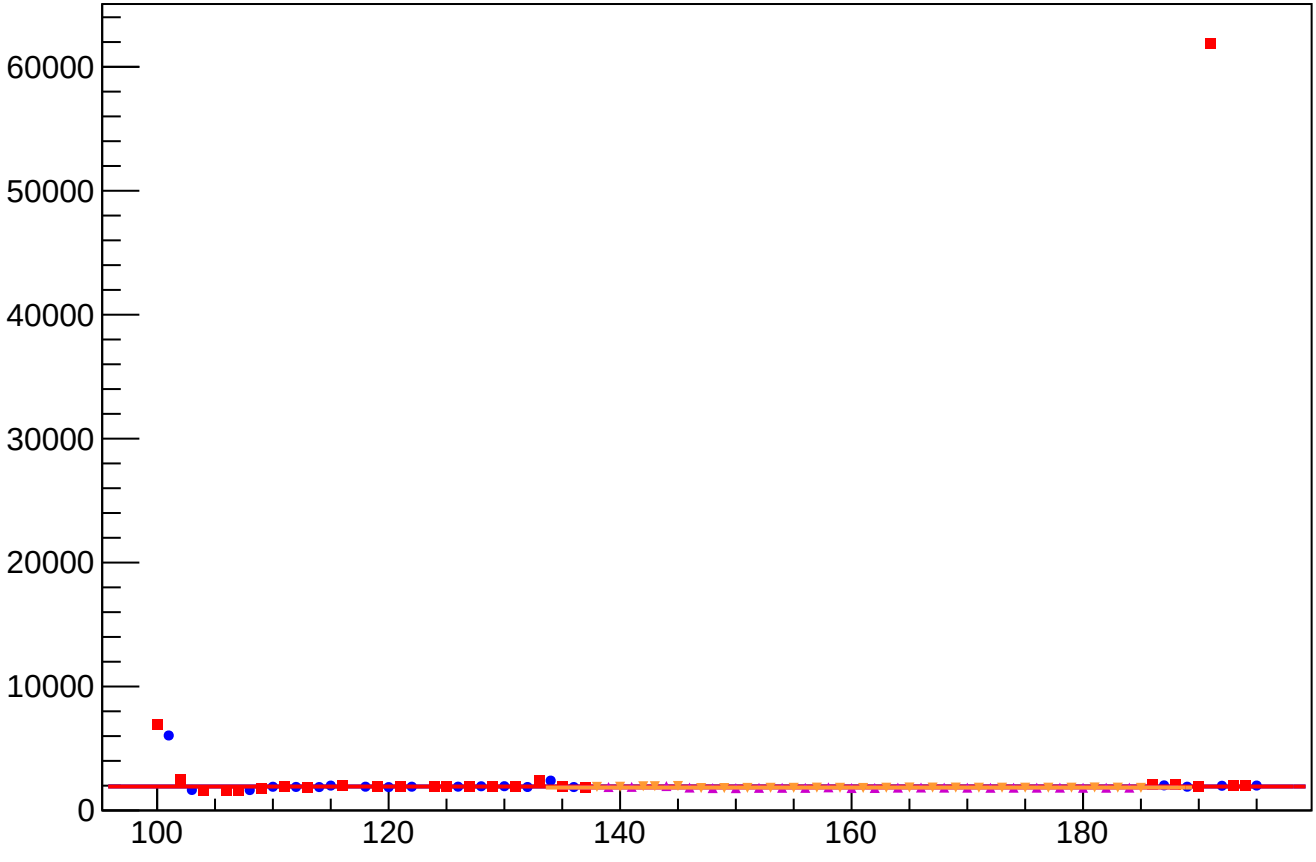
Right: 2635.501+/-432.719 χ^2/NDF: 36.9/44

In: 2922.384+/-355.553 χ^2/NDF:40.2/42

Out: 1933.690+/-343.289 χ^2/NDF:52.4/49

All: 2410.692+/-246.964 χ^2/NDF: 96.6/92

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1936.067+/-0.445 χ^2/NDF: 702898.3/19

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1930.271+/-0.420 χ^2/NDF: 399054.4/24

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

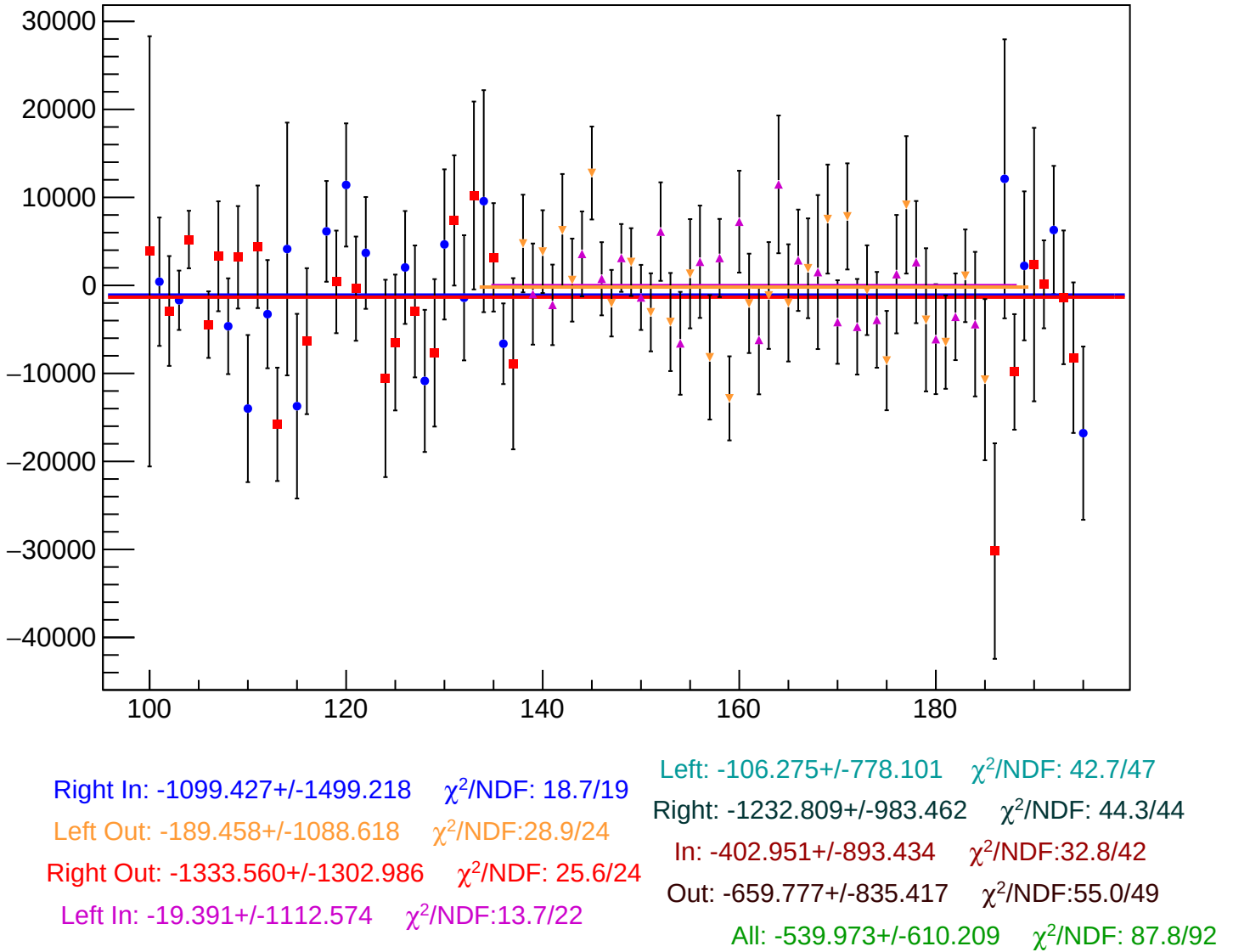
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

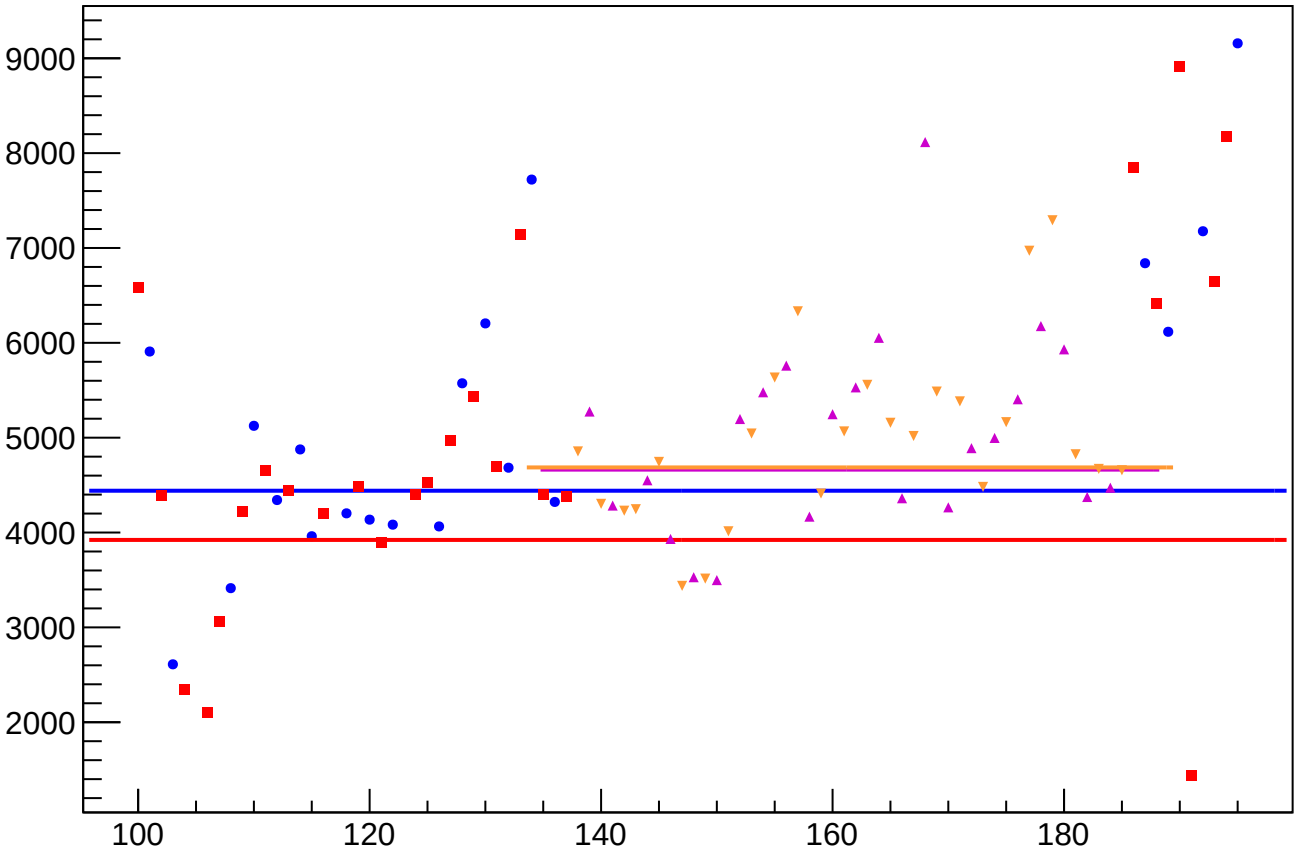
Right: 1933.003+/-0.306 χ^2/NDF: 1102042.3/44

In: 1874.096+/-0.251 χ^2/NDF:745390.8/42

Out: 1875.747+/-0.243 χ^2/NDF:445174.7/49

All: 1874.951+/-0.175 χ^2/NDF: 1190587.8/92


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -1099.427+/-1499.218 χ²/NDF: 18.7/19
Left Out: -189.458+/-1088.618 χ²/NDF:28.9/24
Right Out: -1333.560+/-1302.986 χ²/NDF: 25.6/24
Left In: -19.391+/-1112.574 χ²/NDF:13.7/22
Left: -106.275+/-778.101 χ²/NDF: 42.7/47
Right: -1232.809+/-983.462 χ²/NDF: 44.3/44
In: -402.951+/-893.434 χ²/NDF:32.8/42
Out: -659.777+/-835.417 χ²/NDF:55.0/49
All: -539.973+/-610.209 χ²/NDF: 87.8/92



Right In: 4440.703+/-1.060 χ^2/NDF: 1910388.7/19

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 3922.002+/-0.921 χ^2/NDF: 3354845.7/24

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

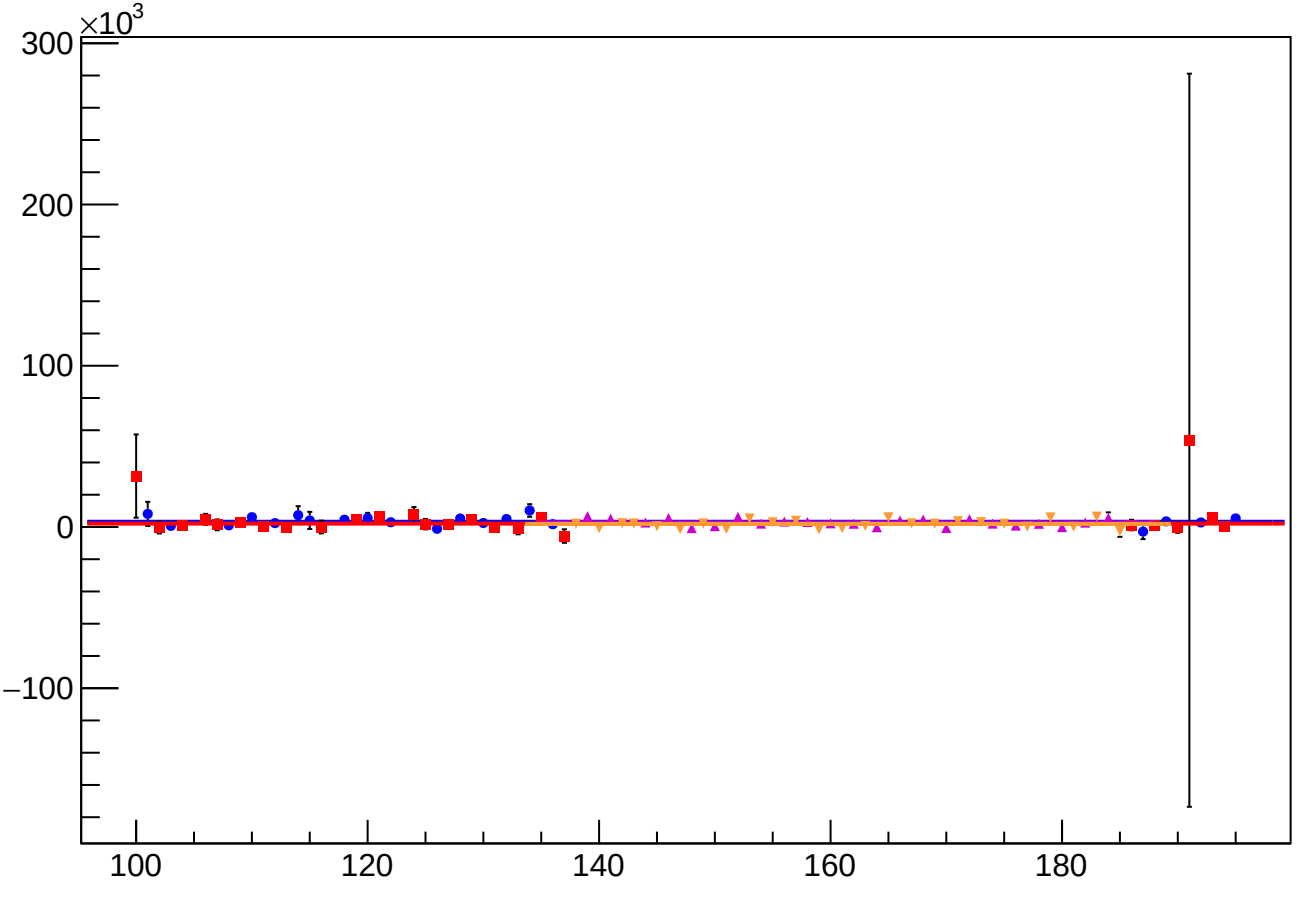
Right: 4145.205+/-0.695 χ^2/NDF: 5401621.1/44

In: 4584.229+/-0.632 χ^2/NDF:3225539.9/42

Out: 4372.141+/-0.591 χ^2/NDF:4945225.9/49

All: 4471.076+/-0.431 χ^2/NDF: 8230895.4/92

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3234.839+/-629.470 χ^2/NDF: 14.4/19

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2098.869+/-595.831 χ^2/NDF: 20.8/24

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

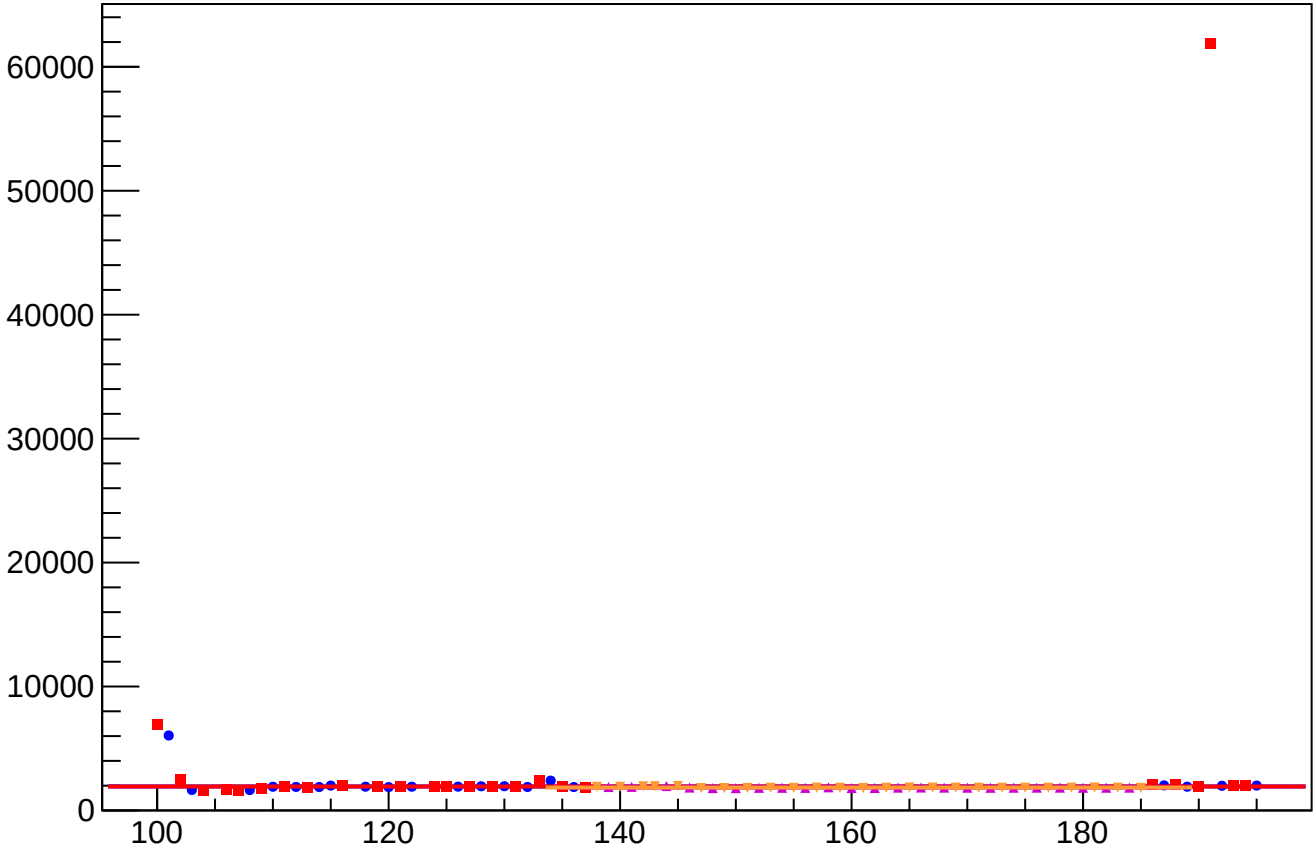
Right: 2635.691+/-432.720 χ^2/NDF: 36.9/44

In: 2922.219+/-355.553 χ^2/NDF:40.2/42

Out: 1933.874+/-343.289 χ^2/NDF:52.4/49

All: 2410.708+/-246.964 χ^2/NDF: 96.7/92

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1936.067+/-0.445 χ^2/NDF: 702897.4/19

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1933.179+/-0.421 χ^2/NDF: 391322.7/24

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

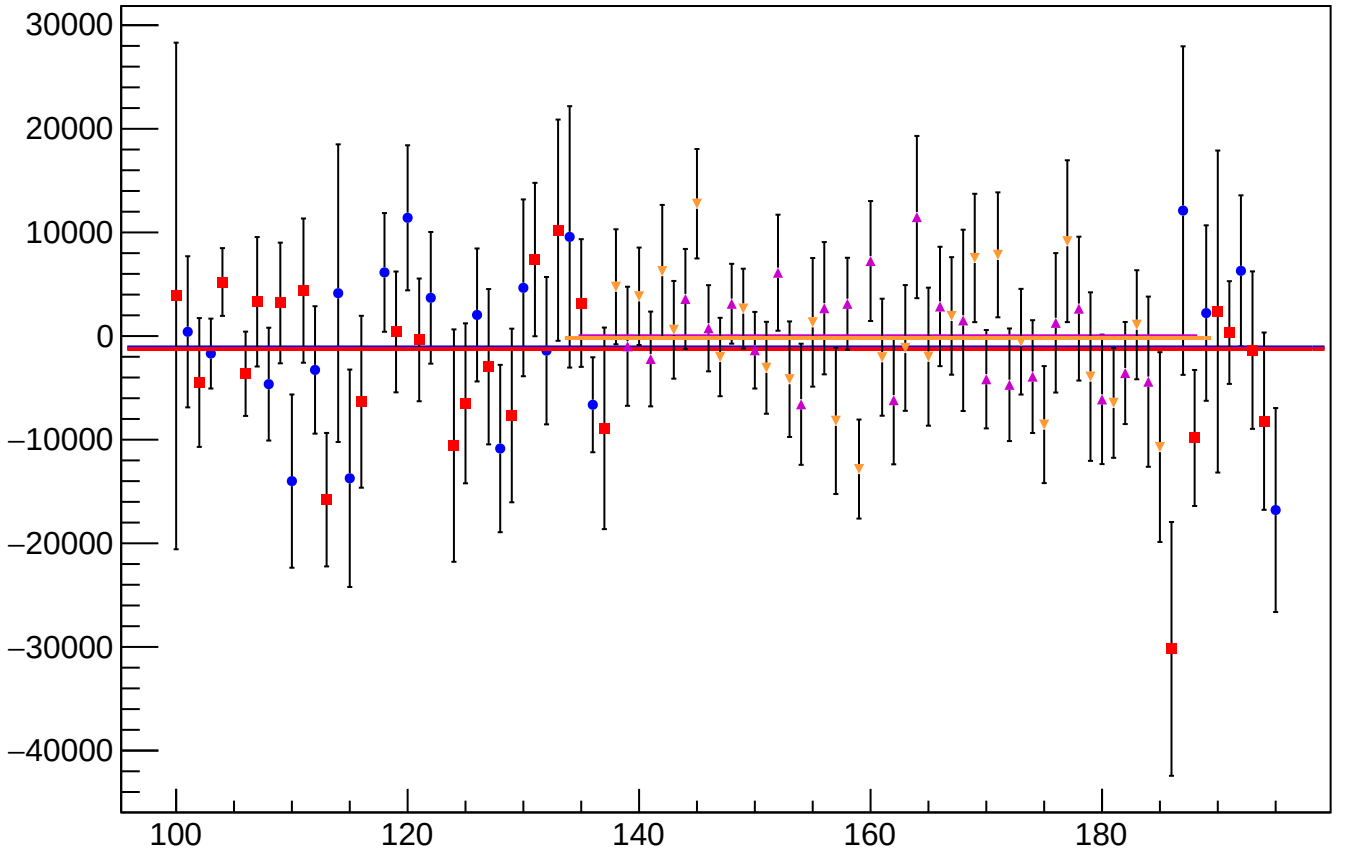
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1934.542+/-0.306 χ^2/NDF: 1094242.4/44

In: 1874.096+/-0.251 χ^2/NDF:745390.1/42

Out: 1876.665+/-0.243 χ^2/NDF:439221.6/49

All: 1875.426+/-0.175 χ^2/NDF: 1184665.8/92



Right In: -1099.729+/-1499.220 χ^2/NDF: 18.7/19

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1250.439+/-1312.680 χ^2/NDF: 25.5/24

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

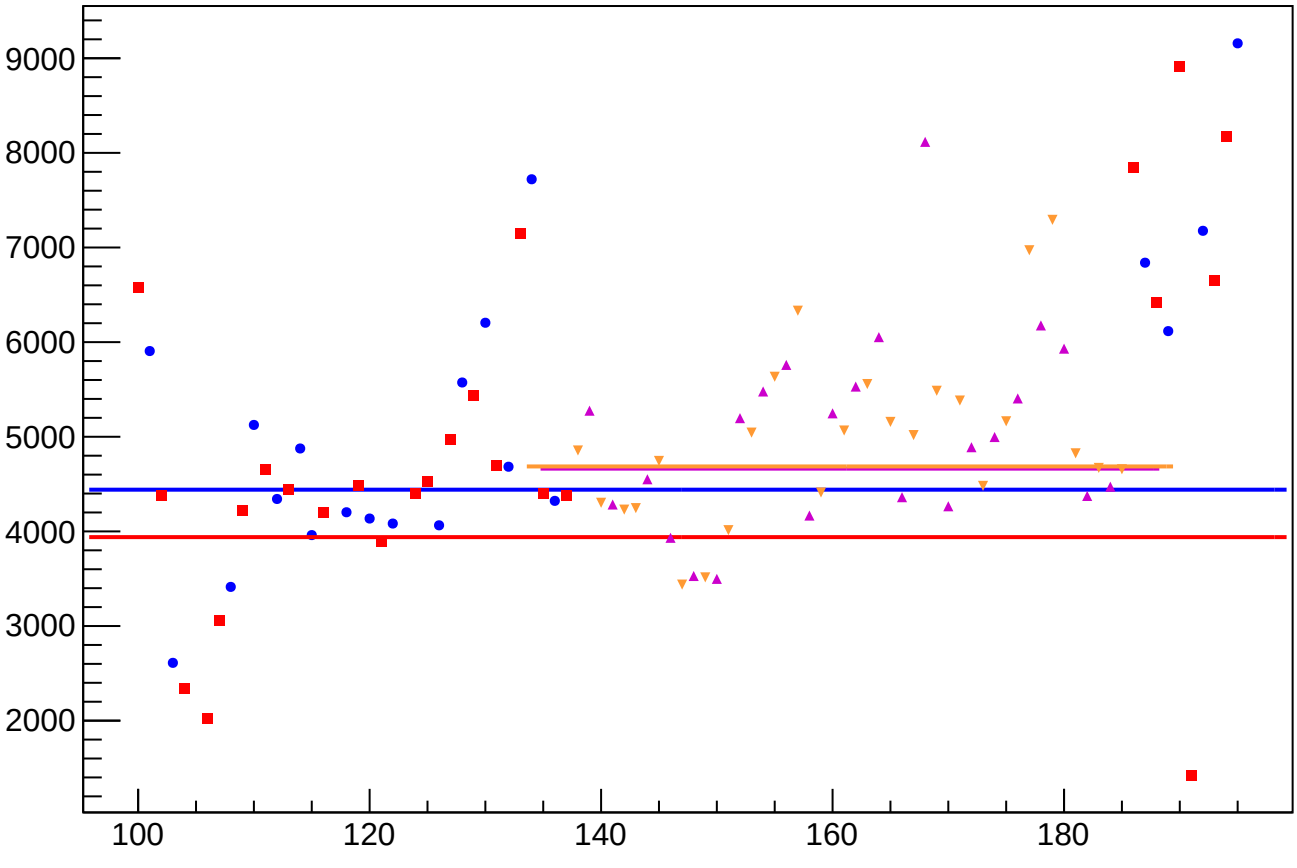
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1185.038+/-987.611 χ^2/NDF: 44.2/44

In: -403.084+/-893.435 χ^2/NDF:32.8/42

Out: -621.821+/-837.955 χ^2/NDF:54.8/49

All: -519.454+/-611.197 χ^2/NDF: 87.6/92



Right In: 4440.787+/-1.060 χ^2/NDF: 1909842.1/19

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3939.513+/-0.928 χ^2/NDF: 3338394.4/24

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

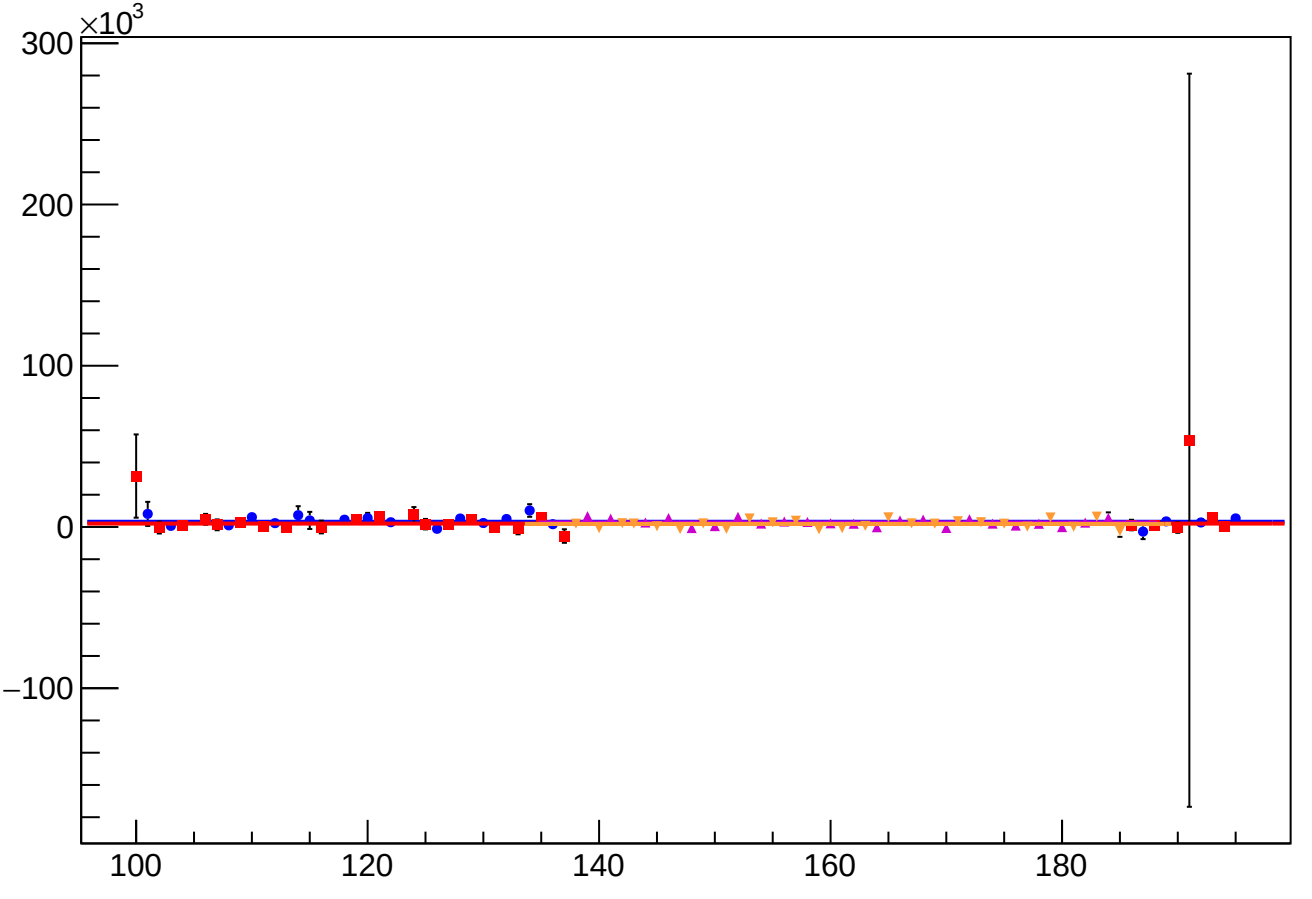
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4157.041+/-0.698 χ^2/NDF: 5374798.7/44

In: 4584.260+/-0.632 χ^2/NDF:3224968.6/42

Out: 4382.013+/-0.593 χ^2/NDF:4907059.5/49

All: 4476.663+/-0.432 χ^2/NDF: 8186552.3/92



Right In: 3234.839+/-629.470 χ^2/NDF: 14.4/19

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2098.869+/-595.831 χ^2/NDF: 20.8/24

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

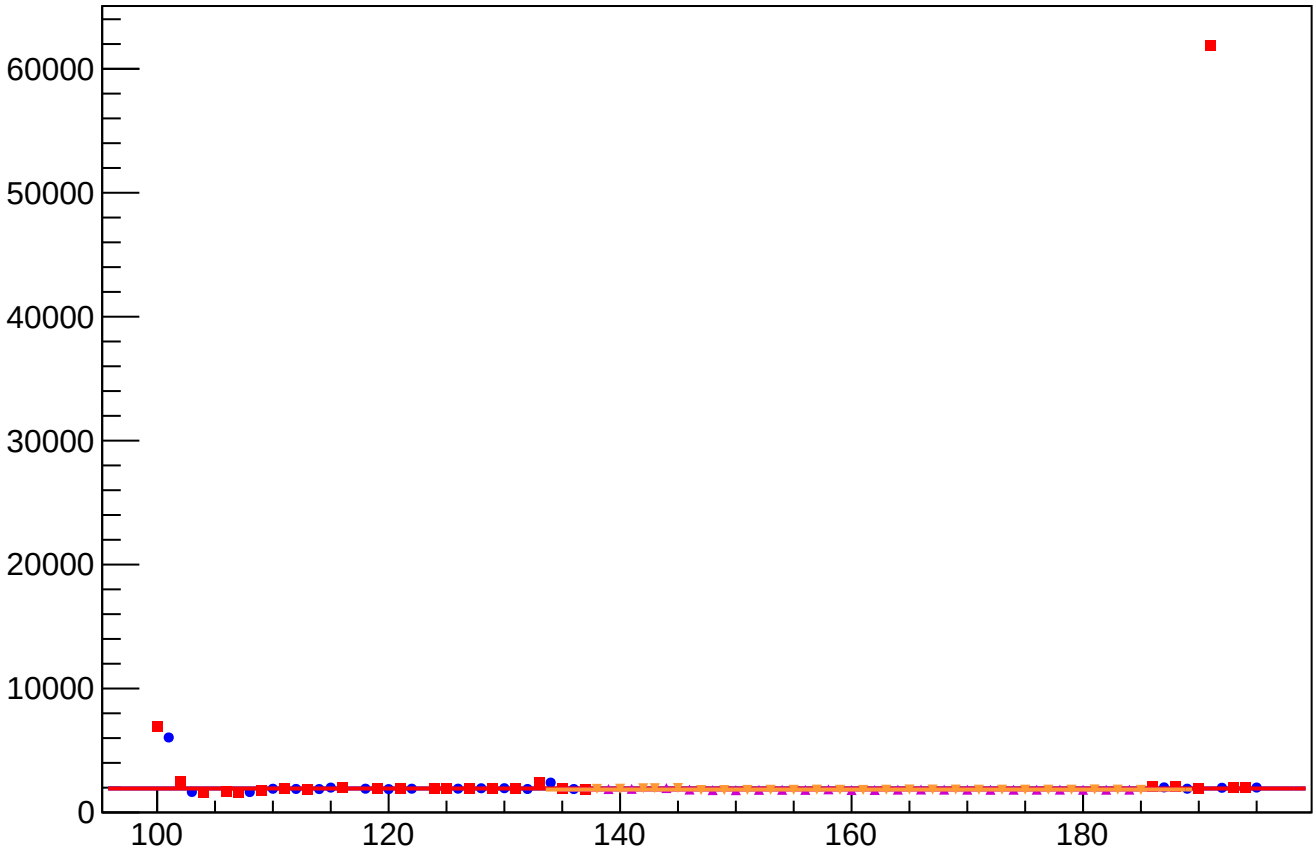
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2635.691+/-432.720 χ^2/NDF: 36.9/44

In: 2922.219+/-355.553 χ^2/NDF:40.2/42

Out: 1933.874+/-343.289 χ^2/NDF:52.4/49

All: 2410.708+/-246.964 χ^2/NDF: 96.7/92



Right In: 1936.067+/-0.445 χ^2/NDF: 702897.4/19

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1933.179+/-0.421 χ^2/NDF: 391322.7/24

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

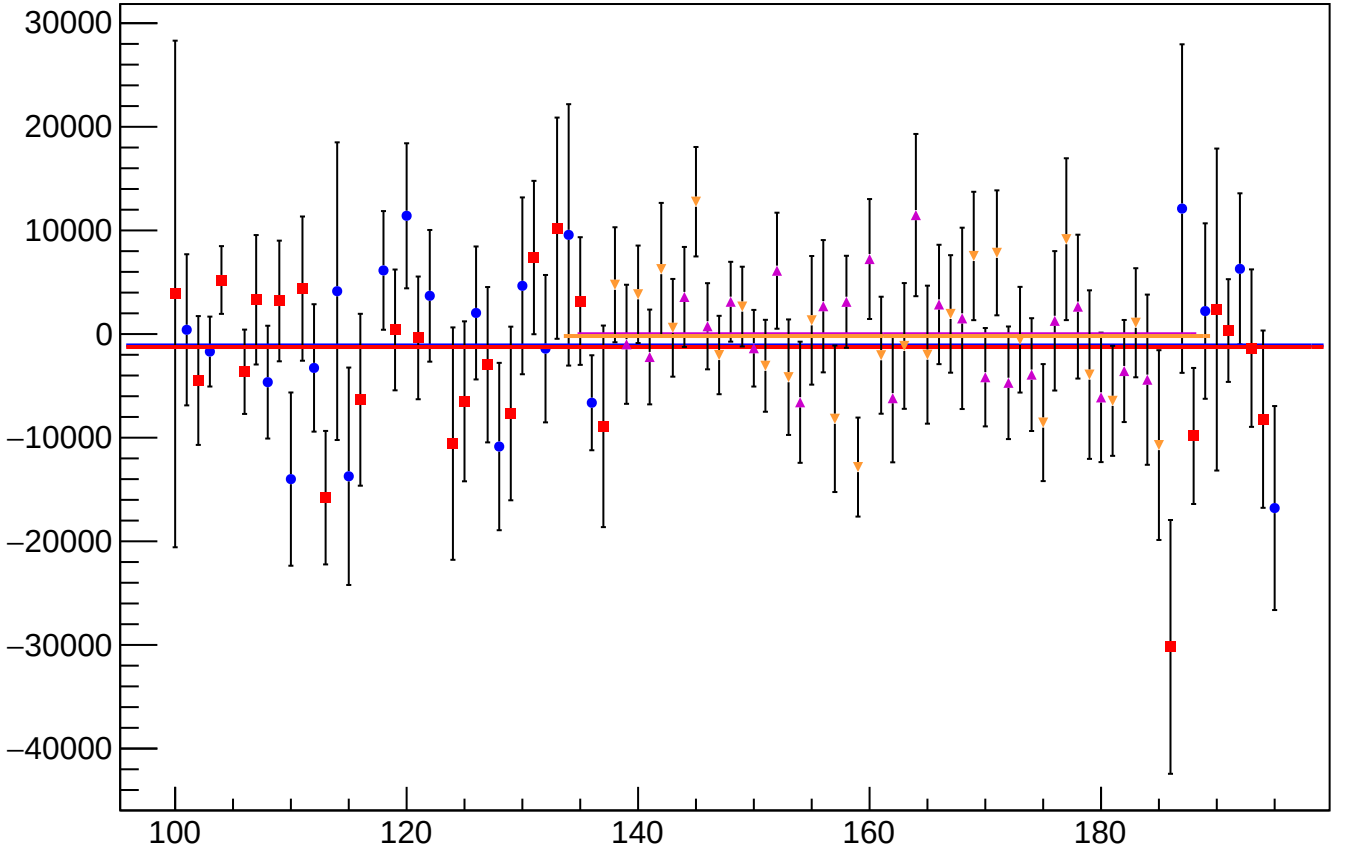
Right: 1934.542+/-0.306 χ^2/NDF: 1094242.4/44

In: 1874.096+/-0.251 χ^2/NDF:745390.1/42

Out: 1876.665+/-0.243 χ^2/NDF:439221.6/49

All: 1875.426+/-0.175 χ^2/NDF: 1184665.8/92

asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1099.729+/-1499.220 χ^2/NDF: 18.7/19

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1250.439+/-1312.680 χ^2/NDF: 25.5/24

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

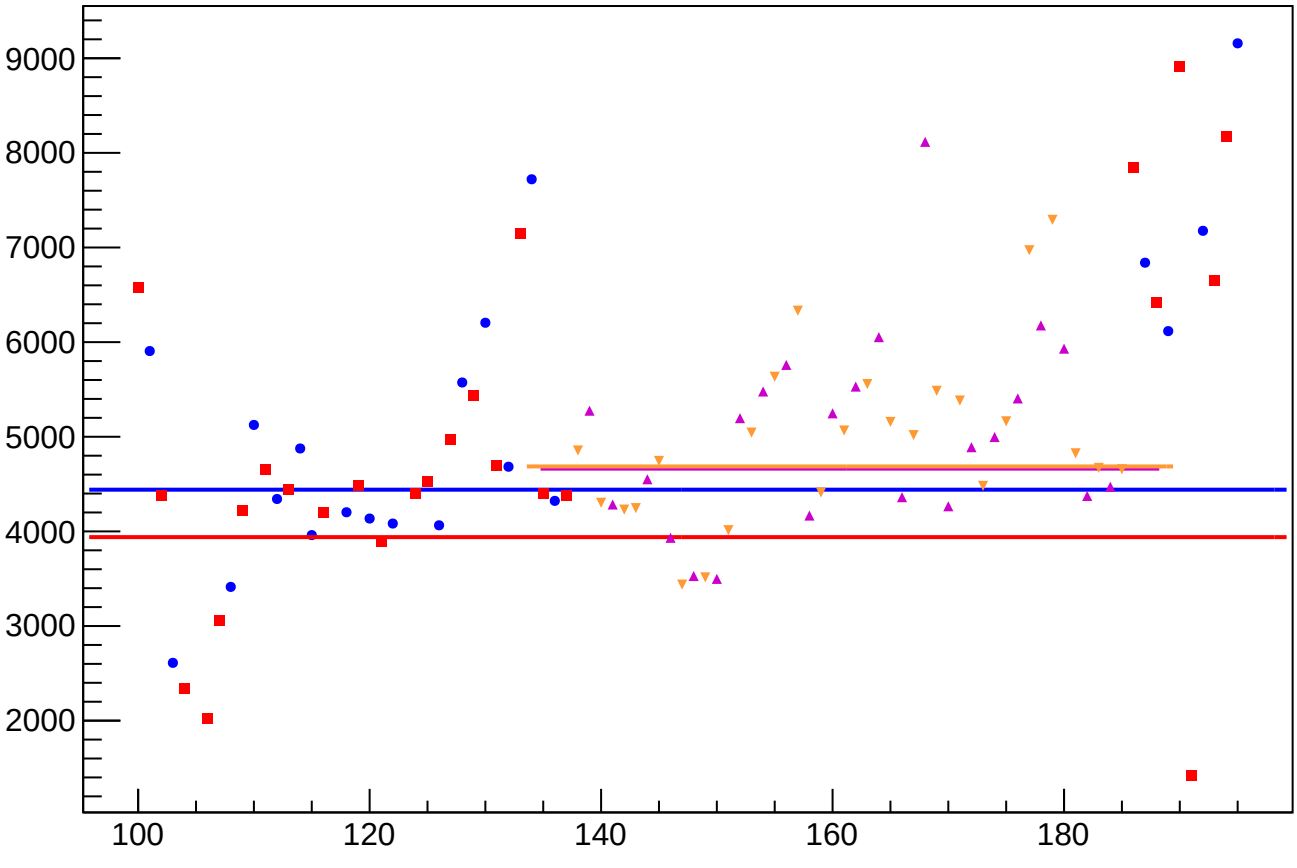
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1185.038+/-987.611 χ^2/NDF: 44.2/44

In: -403.084+/-893.435 χ^2/NDF:32.8/42

Out: -621.821+/-837.955 χ^2/NDF:54.8/49

All: -519.454+/-611.197 χ^2/NDF: 87.6/92



Right In: 4440.787+/-1.060 χ^2/NDF: 1909842.1/19

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3939.513+/-0.928 χ^2/NDF: 3338394.4/24

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

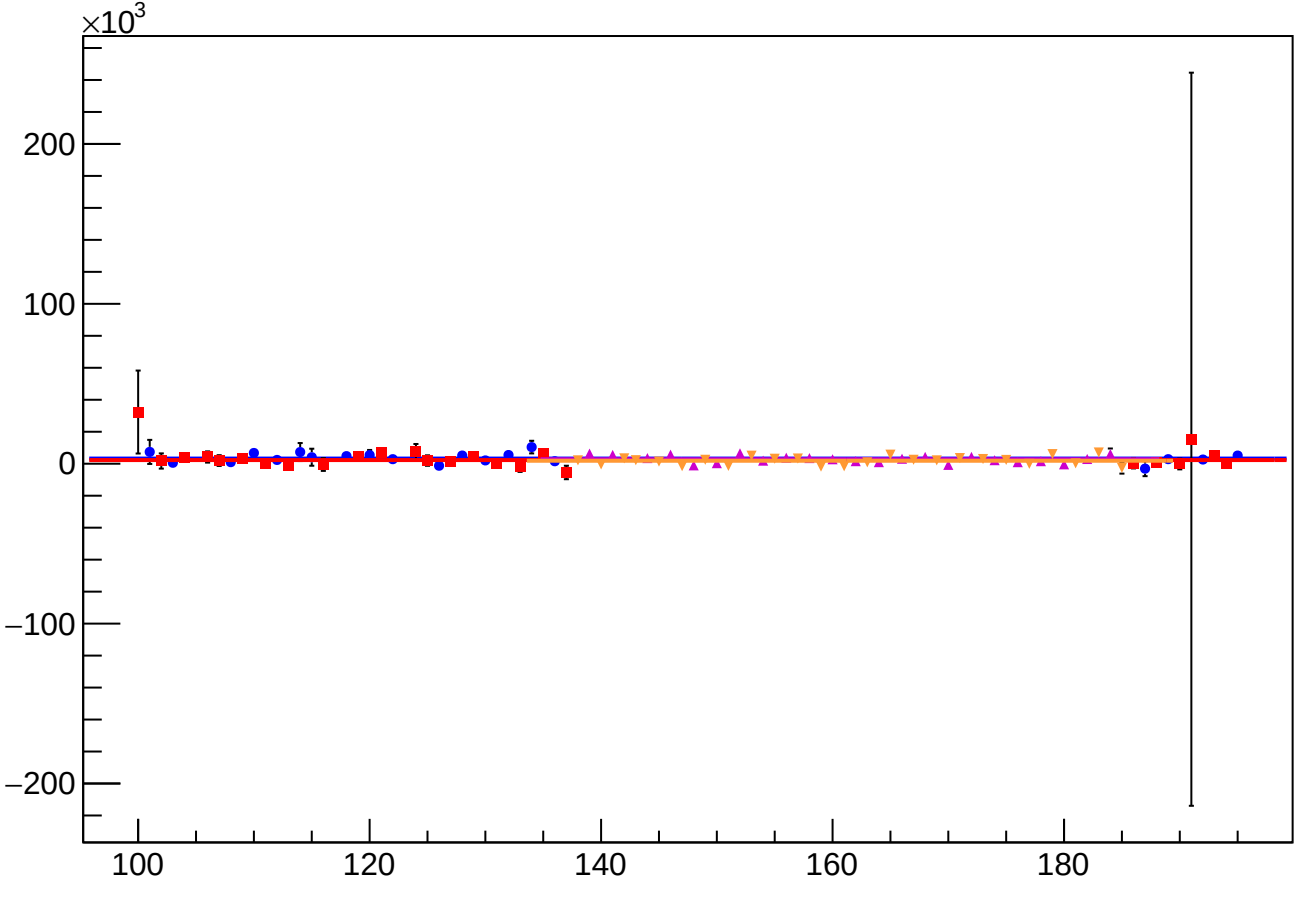
Right: 4157.041+/-0.698 χ^2/NDF: 5374798.7/44

In: 4584.260+/-0.632 χ^2/NDF:3224968.6/42

Out: 4382.013+/-0.593 χ^2/NDF:4907059.5/49

All: 4476.663+/-0.432 χ^2/NDF: 8186552.3/92

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3218.077+/-645.041 χ^2/NDF: 14.8/19

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2283.651+/-611.340 χ^2/NDF: 21.1/24

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

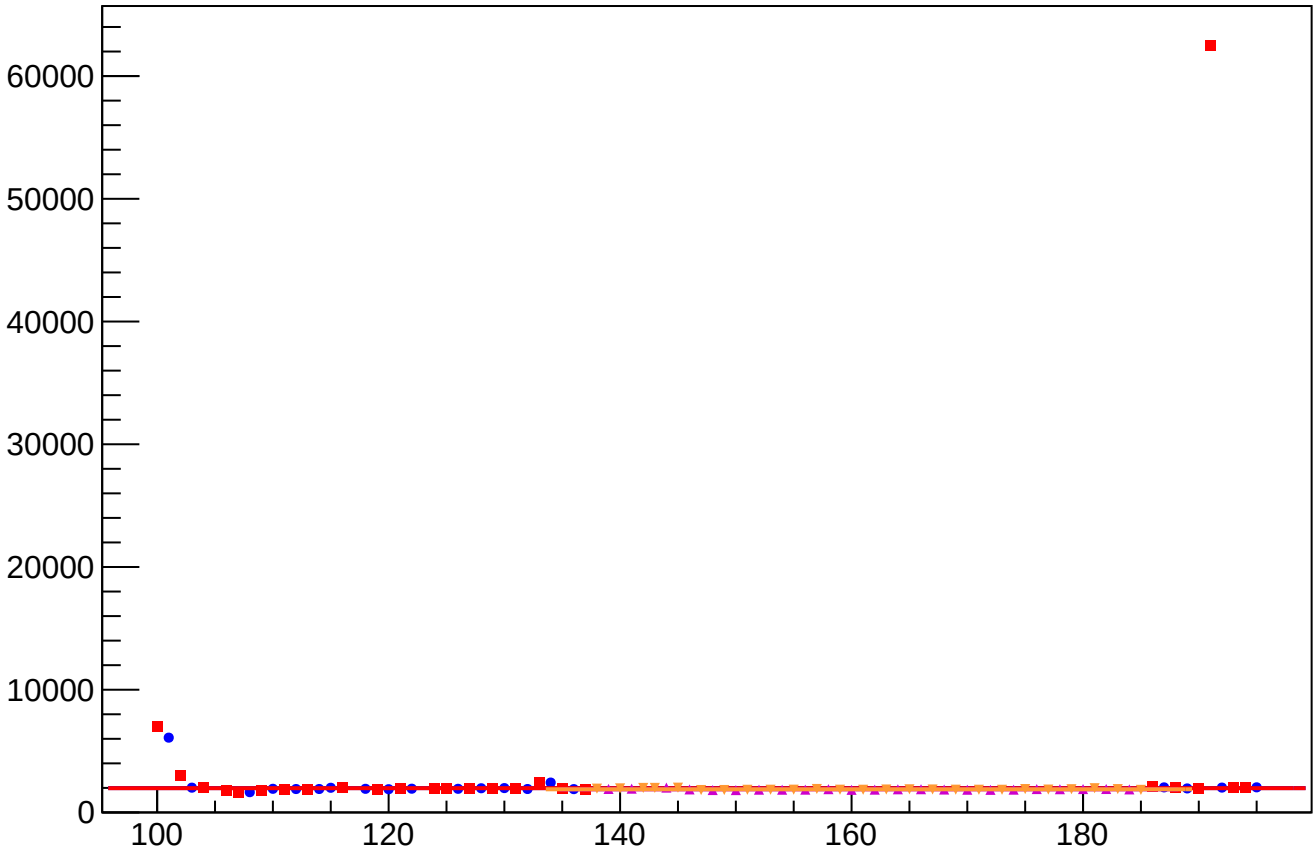
Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

Right: 2725.818+/-443.719 χ^2/NDF: 37.0/44

In: 2931.373+/-363.056 χ^2/NDF:40.5/42

Out: 2013.799+/-351.153 χ^2/NDF:54.3/49

All: 2457.299+/-252.406 χ^2/NDF: 98.2/92



Right In: 1985.524+/-0.456 χ^2/NDF: 668450.6/19

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1977.802+/-0.432 χ^2/NDF: 413269.7/24

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

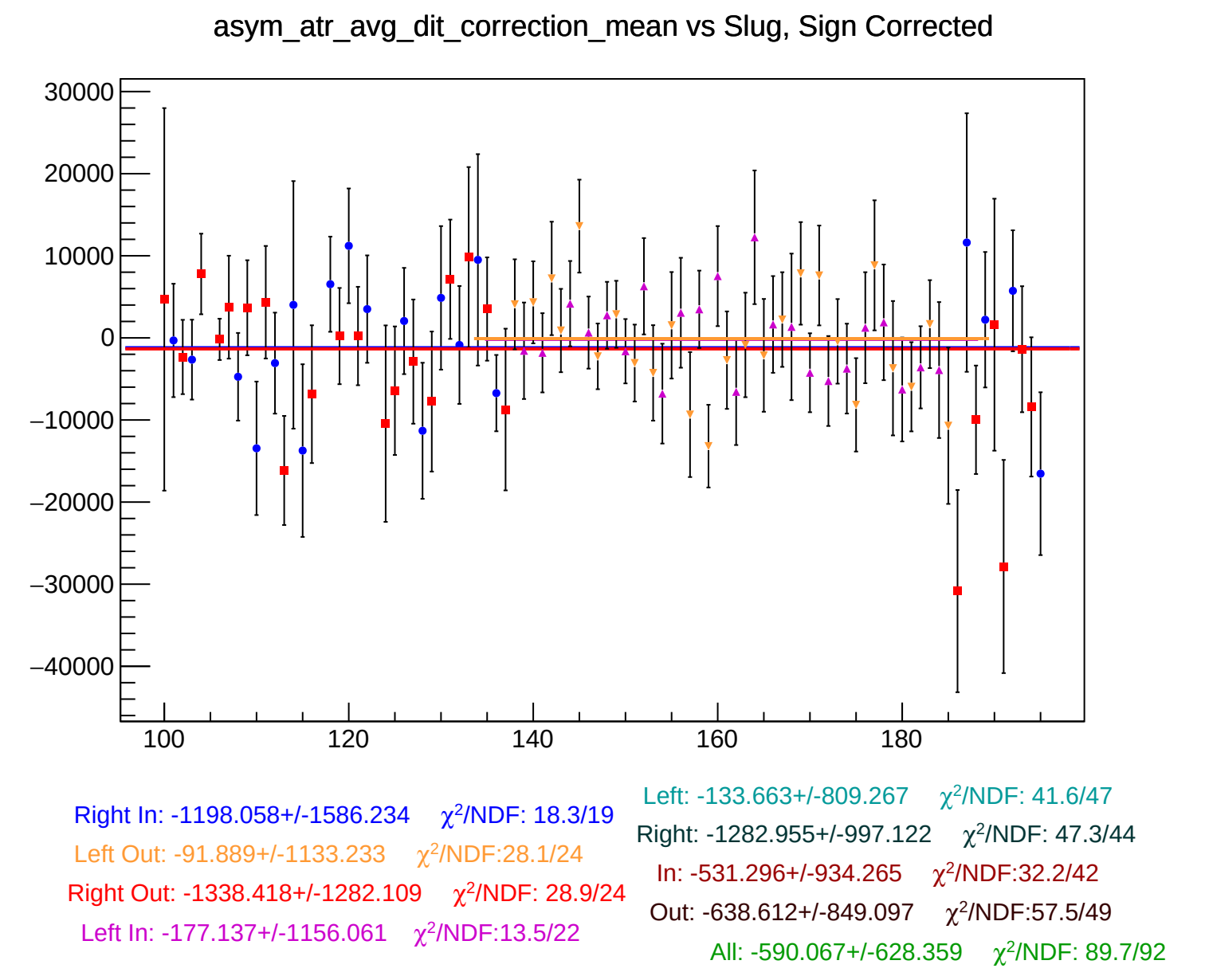
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

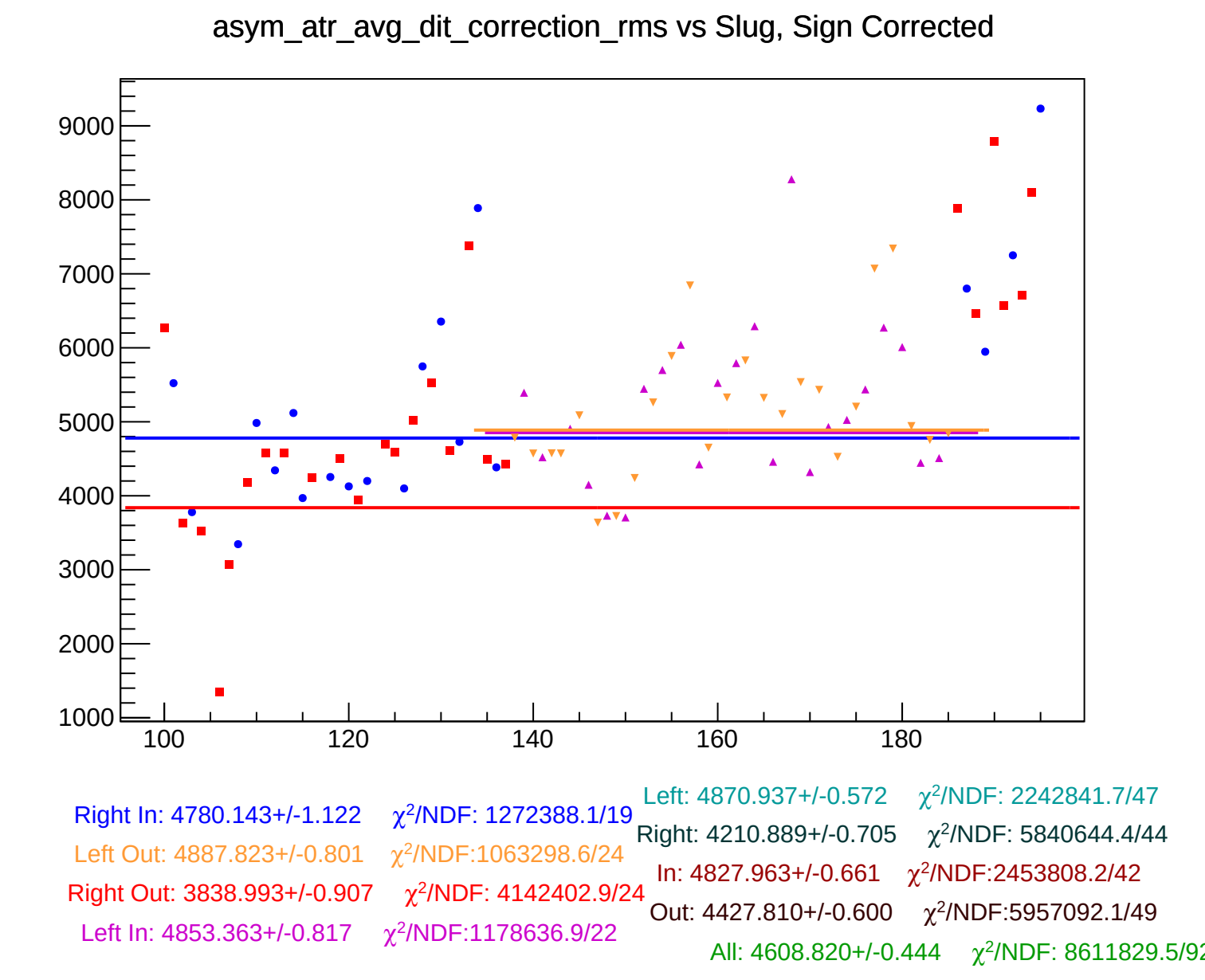
Right: 1981.454+/-0.314 χ^2/NDF: 1081871.4/44

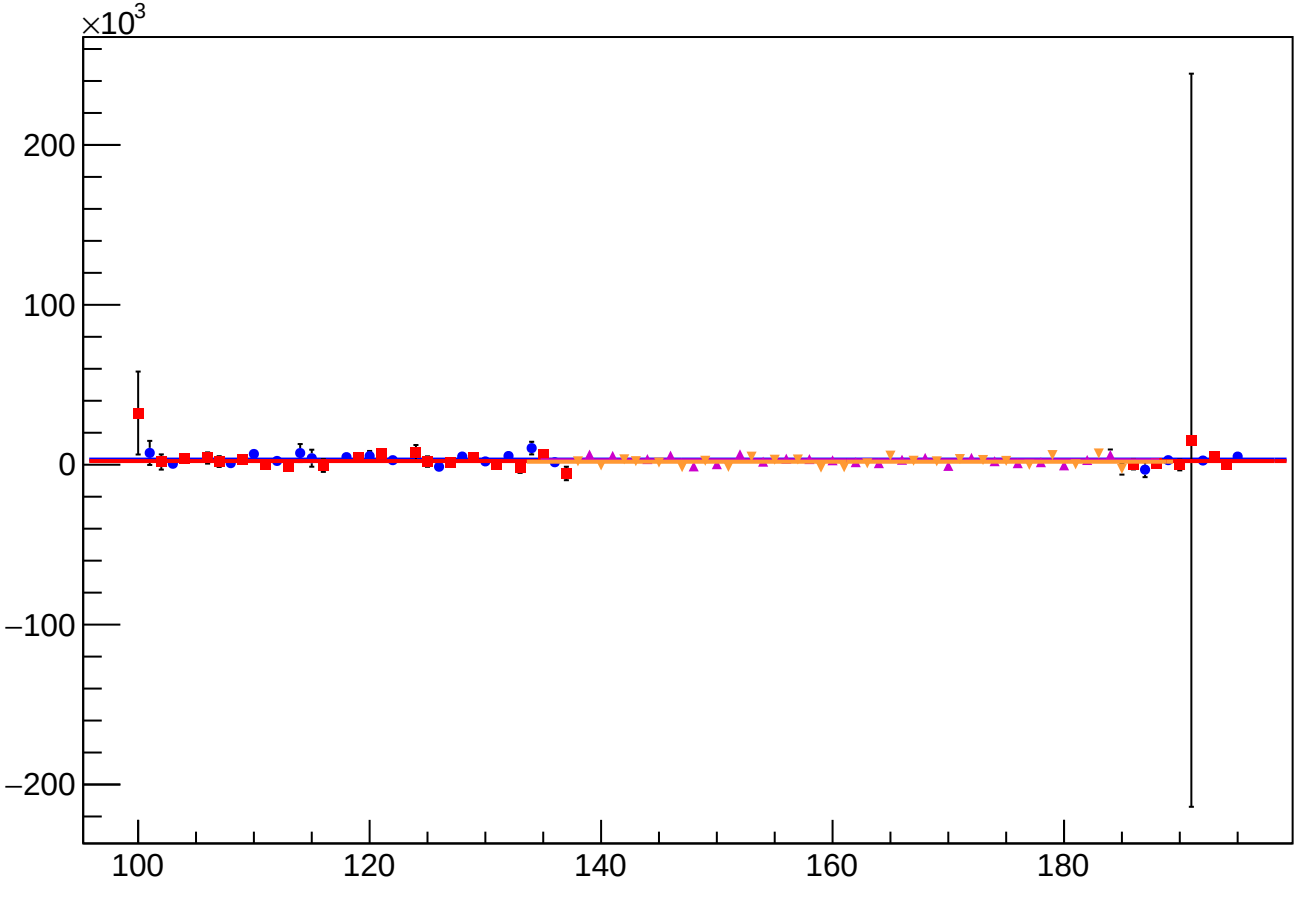
In: 1913.822+/-0.257 χ^2/NDF:723660.1/42

Out: 1917.348+/-0.248 χ^2/NDF:474459.9/49

All: 1915.644+/-0.178 χ^2/NDF: 1198217.4/92


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -1198.058+/-1586.234 χ²/NDF: 18.3/19
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -1338.418+/-1282.109 χ²/NDF: 28.9/24
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1282.955+/-997.122 χ²/NDF: 47.3/44
In: -531.296+/-934.265 χ²/NDF:32.2/42
Out: -638.612+/-849.097 χ²/NDF:57.5/49
All: -590.067+/-628.359 χ²/NDF: 89.7/92


asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 4780.143+/-1.122 χ²/NDF: 1272388.1/19
Left Out: 4887.823+/-0.801 χ²/NDF:1063298.6/24
Right Out: 3838.993+/-0.907 χ²/NDF: 4142402.9/24
Left In: 4853.363+/-0.817 χ²/NDF:1178636.9/22
Left: 4870.937+/-0.572 χ²/NDF: 2242841.7/47
Right: 4210.889+/-0.705 χ²/NDF: 5840644.4/44
In: 4827.963+/-0.661 χ²/NDF:2453808.2/42
Out: 4427.810+/-0.600 χ²/NDF:5957092.1/49
All: 4608.820+/-0.444 χ²/NDF: 8611829.5/92



Right In: 3218.079+/-645.040 χ^2/NDF: 14.8/19

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2283.654+/-611.340 χ^2/NDF: 21.1/24

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

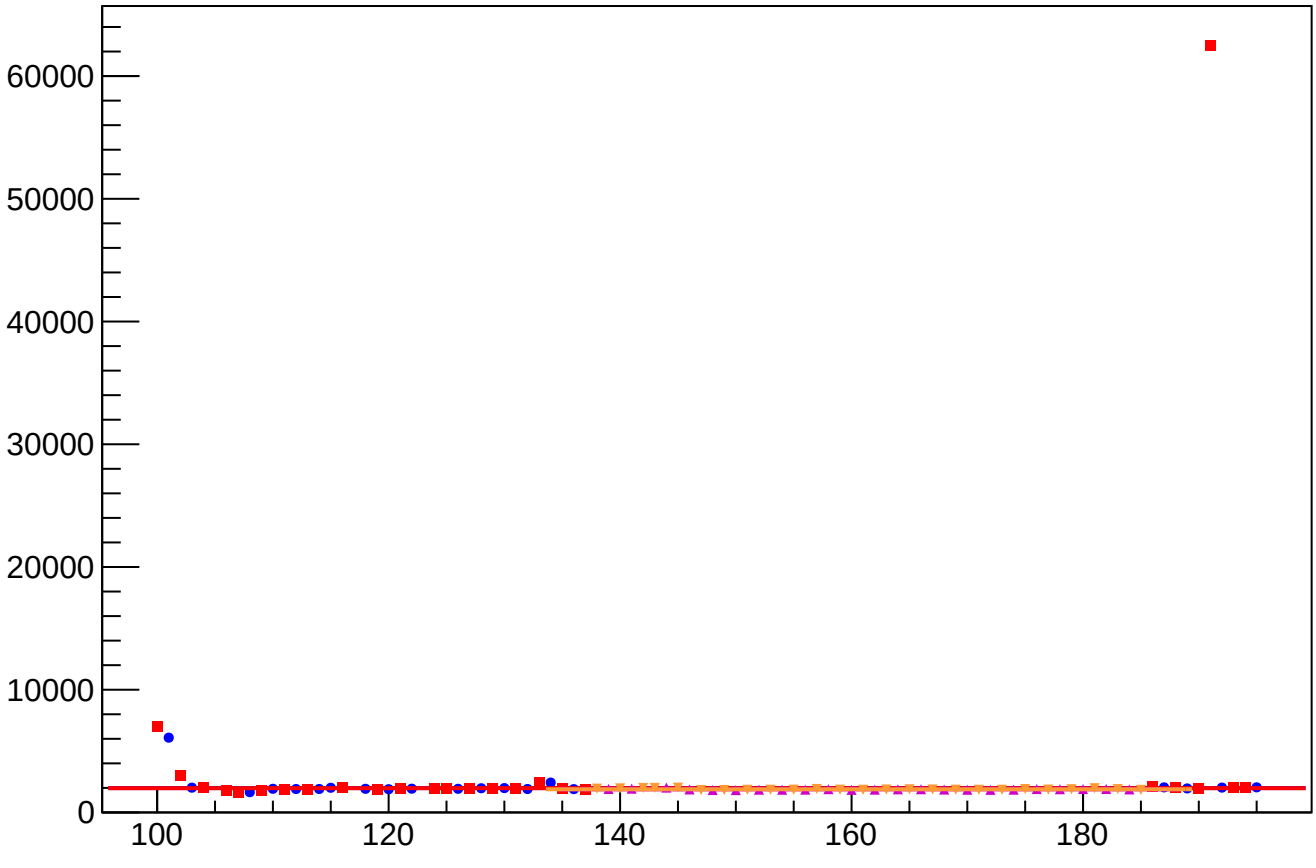
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2725.820+/-443.718 χ^2/NDF: 37.0/44

In: 2931.374+/-363.056 χ^2/NDF:40.5/42

Out: 2013.796+/-351.153 χ^2/NDF:54.3/49

All: 2457.298+/-252.406 χ^2/NDF: 98.2/92



Right In: 1985.524+/-0.456 χ^2/NDF: 668450.7/19

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1977.802+/-0.432 χ^2/NDF: 413269.2/24

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

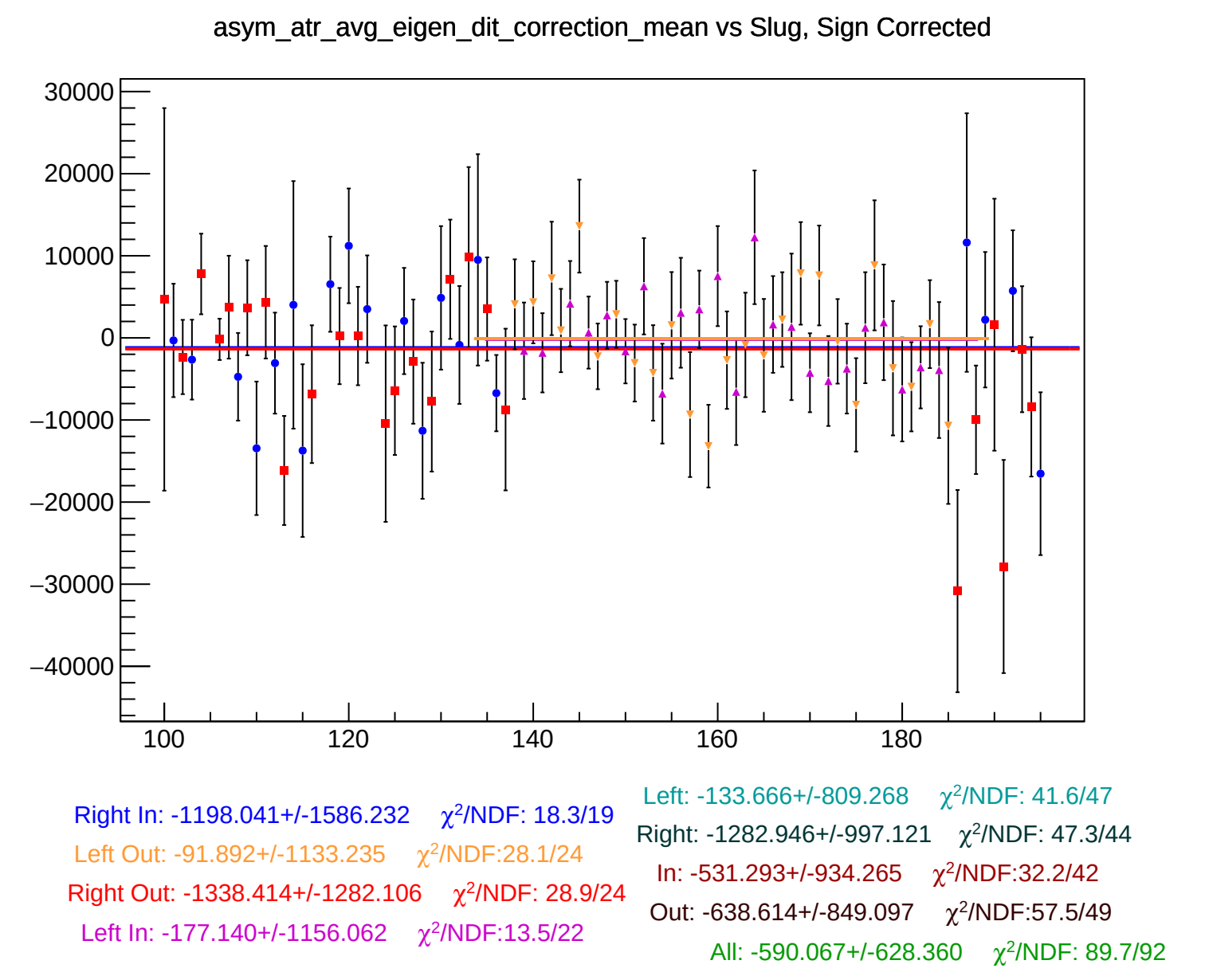
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

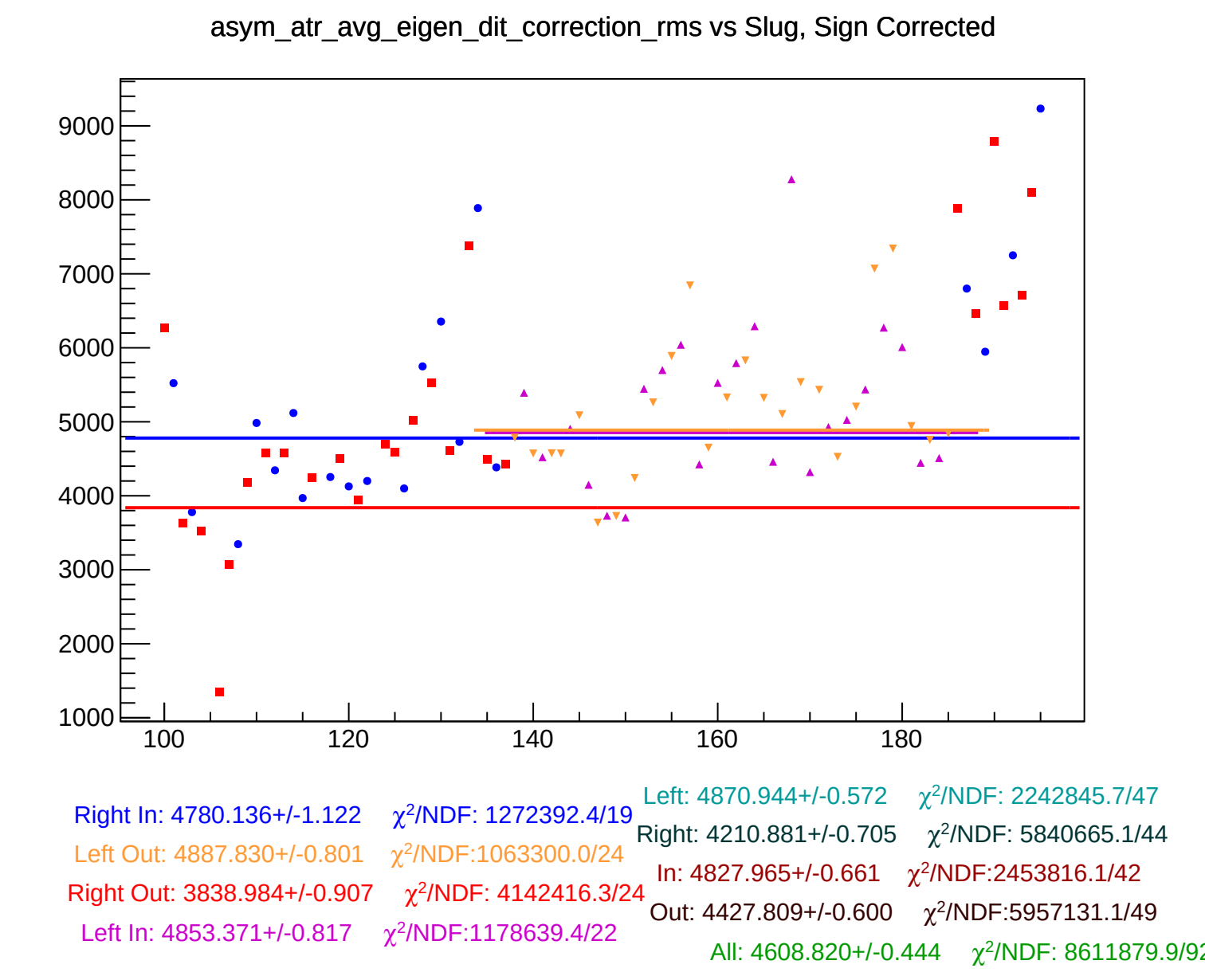
Right: 1981.454+/-0.314 χ^2/NDF: 1081870.9/44

In: 1913.822+/-0.257 χ^2/NDF:723659.3/42

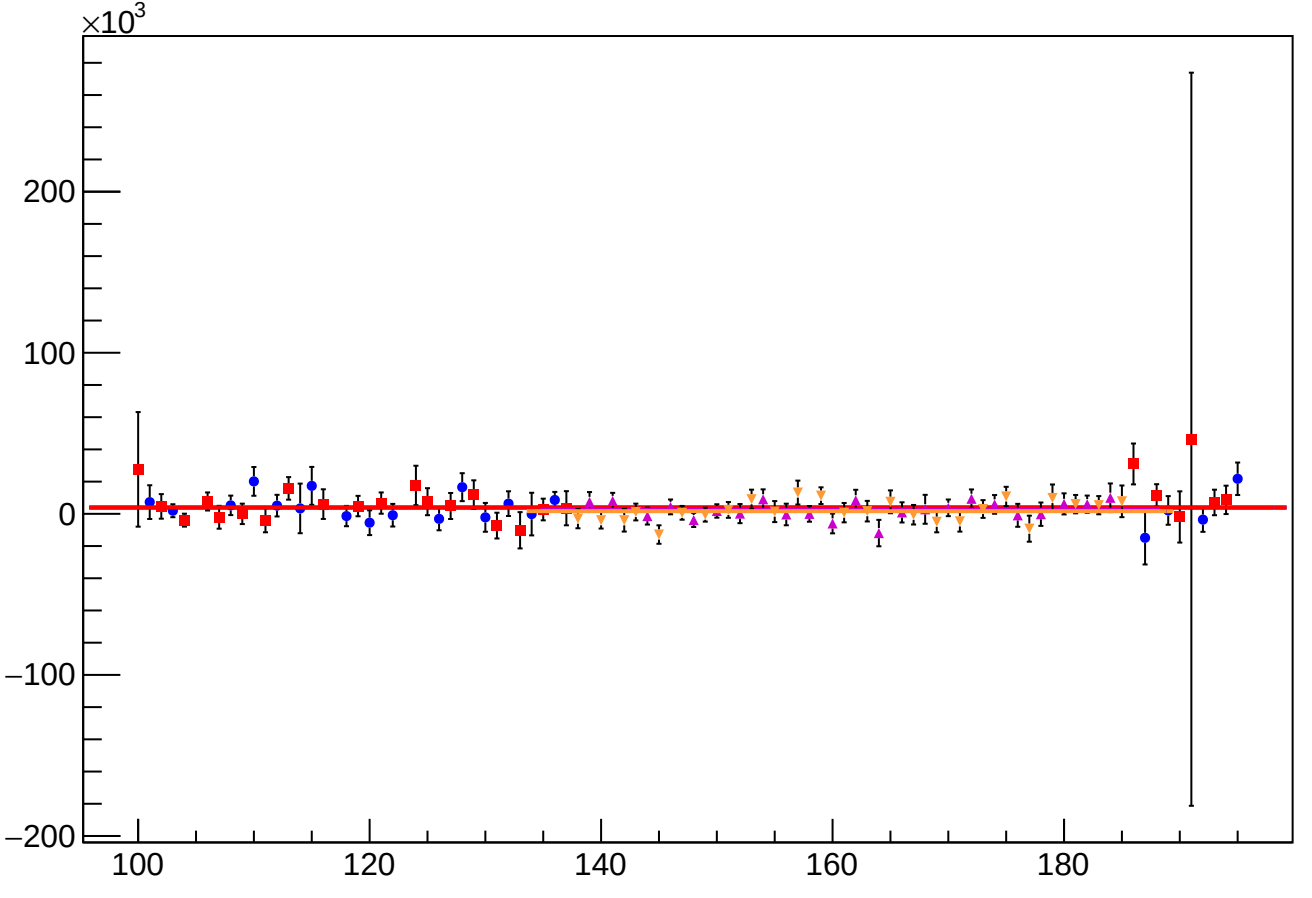
Out: 1917.349+/-0.248 χ^2/NDF:474458.9/49

All: 1915.645+/-0.178 χ^2/NDF: 1198215.7/92


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -1198.041+/-1586.232 χ²/NDF: 18.3/19
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -1338.414+/-1282.106 χ²/NDF: 28.9/24
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -1282.946+/-997.121 χ²/NDF: 47.3/44
In: -531.293+/-934.265 χ²/NDF:32.2/42
Out: -638.614+/-849.097 χ²/NDF:57.5/49
All: -590.067+/-628.360 χ²/NDF: 89.7/92


asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 4780.136+/-1.122 χ²/NDF: 1272392.4/19
Left Out: 4887.830+/-0.801 χ²/NDF:1063300.0/24
Right Out: 3838.984+/-0.907 χ²/NDF: 4142416.3/24
Left In: 4853.371+/-0.817 χ²/NDF:1178639.4/22
Left: 4870.944+/-0.572 χ²/NDF: 2242845.7/47
Right: 4210.881+/-0.705 χ²/NDF: 5840665.1/44
In: 4827.965+/-0.661 χ²/NDF:2453816.1/42
Out: 4427.809+/-0.600 χ²/NDF:5957131.1/49
All: 4608.820+/-0.444 χ²/NDF: 8611879.9/92

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3887.878+/-1670.111 χ^2/NDF: 17.8/19

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 3957.057+/-1547.250 χ^2/NDF: 22.3/24

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

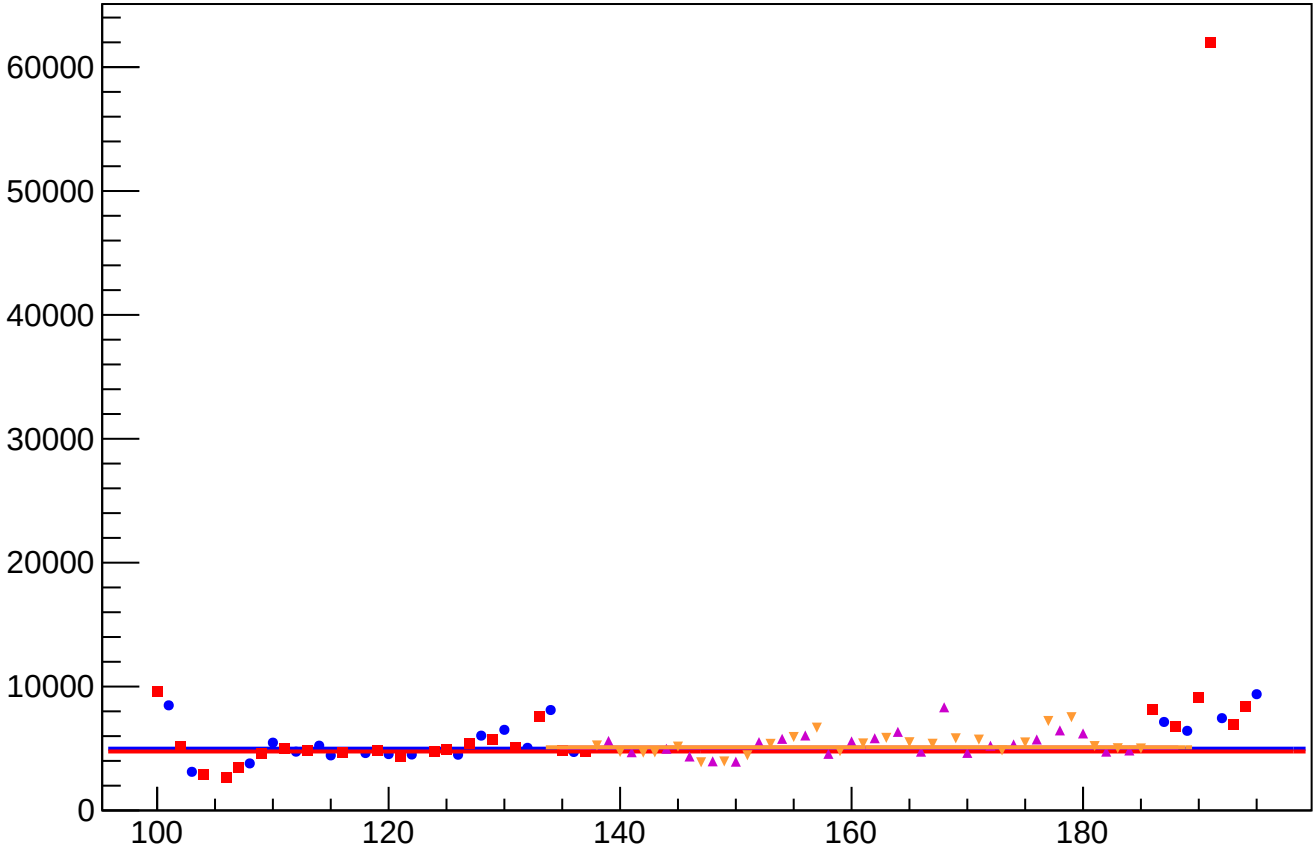
Right: 3925.105+/-1135.023 χ^2/NDF: 40.1/44

In: 3016.702+/-976.906 χ^2/NDF:34.2/42

Out: 2500.089+/-937.597 χ^2/NDF:49.6/49

All: 2747.793+/-676.451 χ^2/NDF: 83.9/92

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4986.939+/-1.181 χ^2/NDF: 1659514.7/19

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4759.550+/-1.086 χ^2/NDF: 2149993.0/24

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

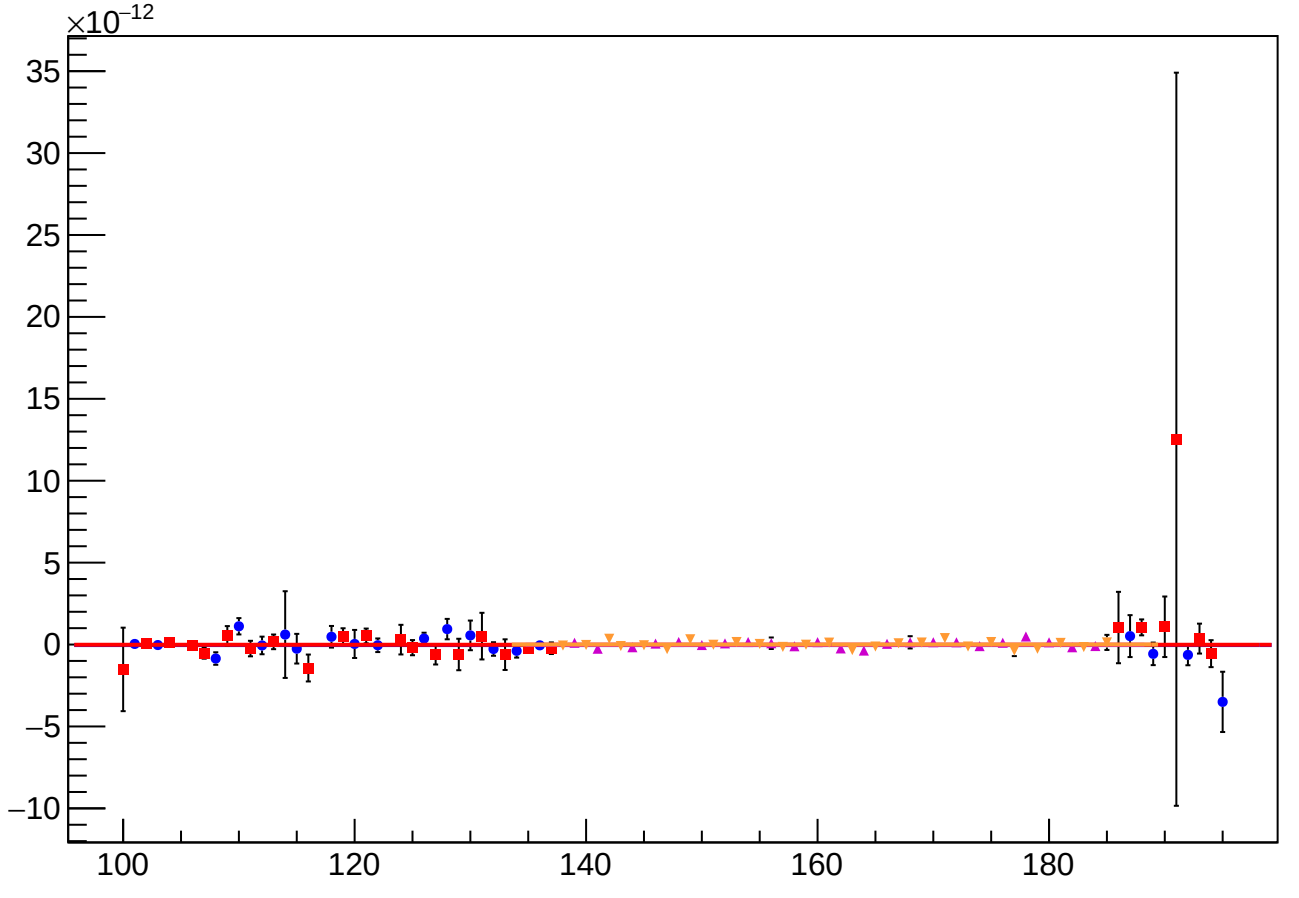
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 4863.731+/-0.799 χ^2/NDF: 3829596.1/44

In: 5043.911+/-0.691 χ^2/NDF:2654968.1/42

Out: 4974.206+/-0.661 χ^2/NDF:3121410.2/49

All: 5007.532+/-0.478 χ^2/NDF: 5781692.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/24

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

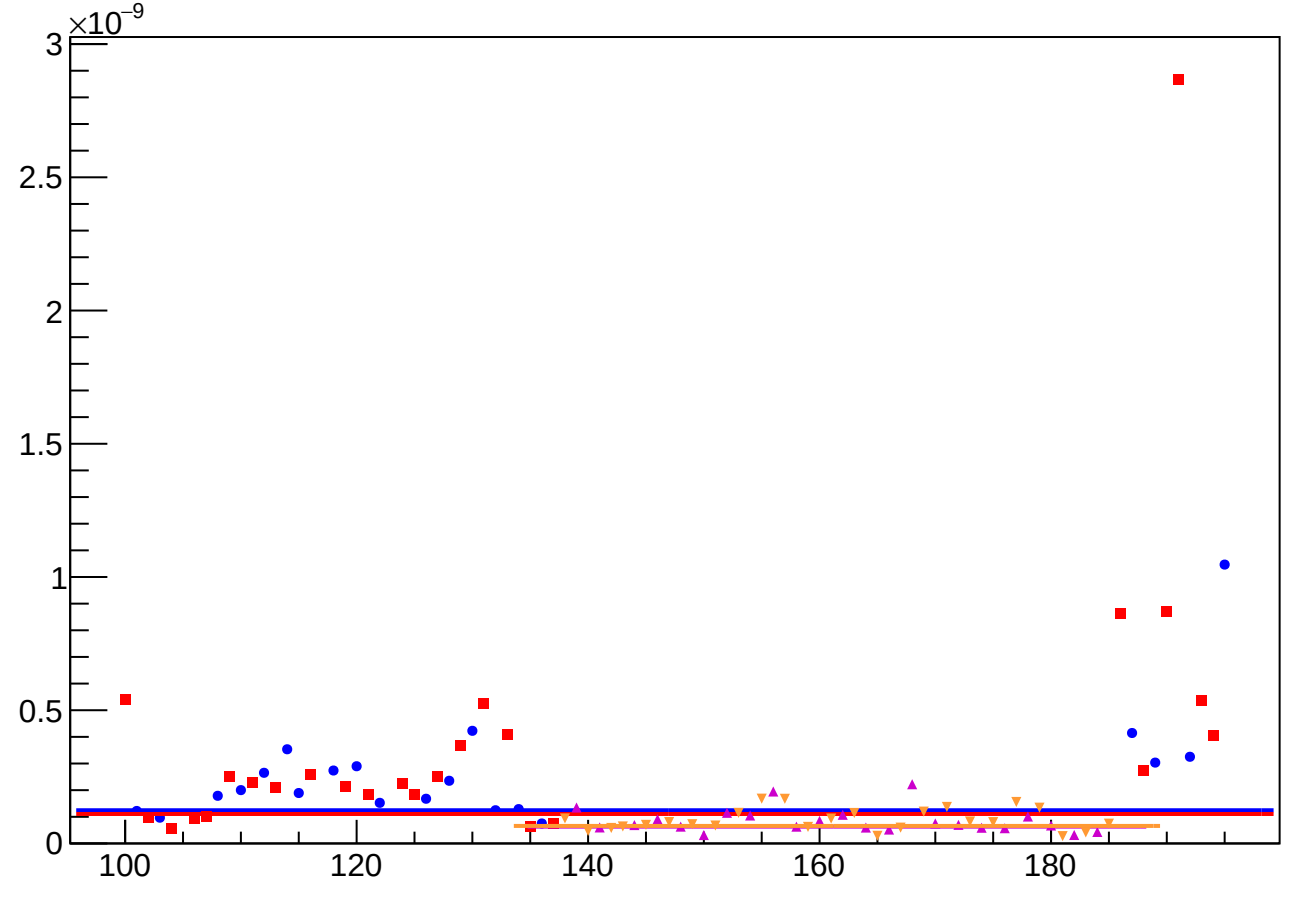
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 42.6/44

In: -0.000+/-0.000 χ^2/NDF:53.7/42

Out: -0.000+/-0.000 χ^2/NDF:54.7/49

All: -0.000+/-0.000 χ^2/NDF: 108.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 2062468.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3406306.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

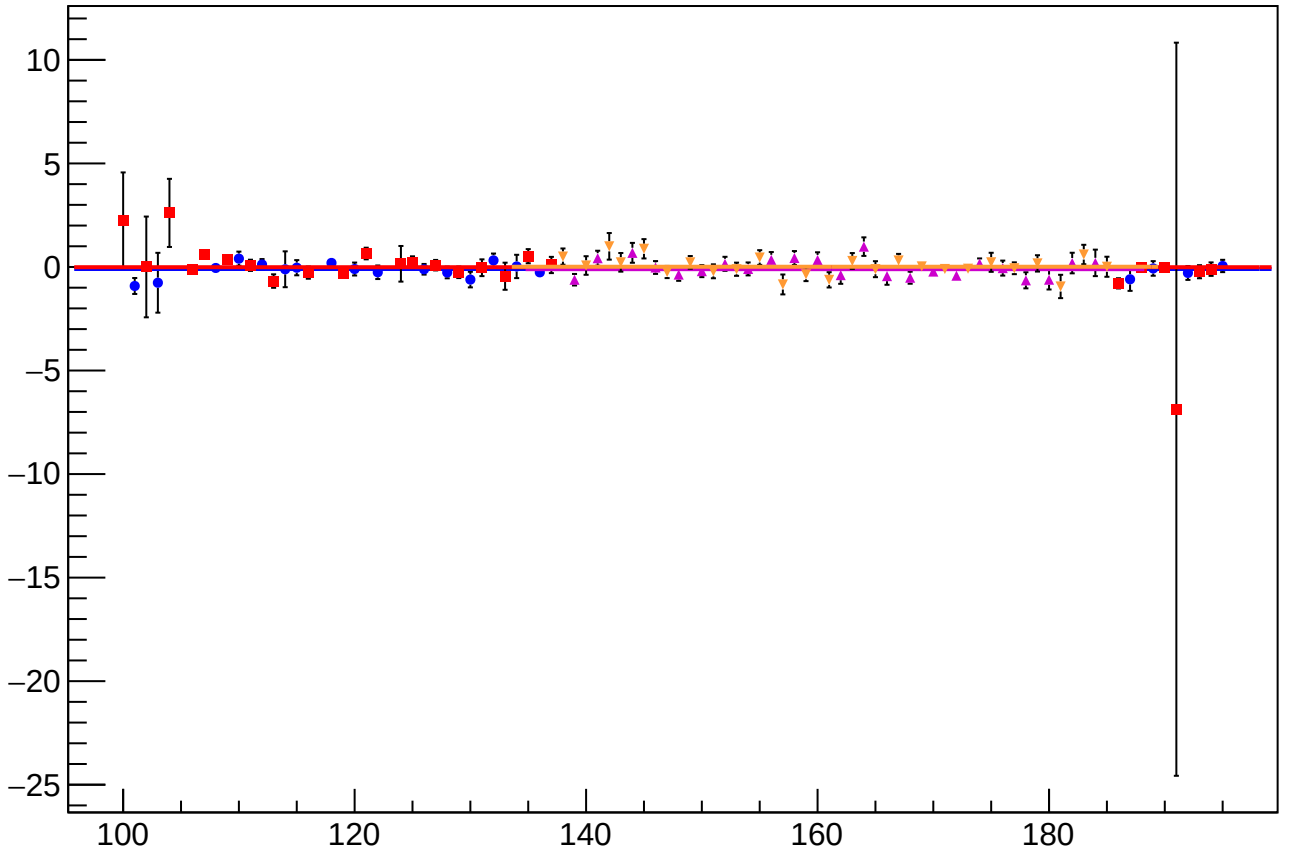
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 5505872.1/44

In: 0.000+/-0.000 χ^2/NDF:5462500.1/42

Out: 0.000+/-0.000 χ^2/NDF:6568065.7/49

All: 0.000+/-0.000 χ^2/NDF: 12031993.1/92



Right In: -0.096+/-0.071 χ^2/NDF: 15.2/19

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.011+/-0.056 χ^2/NDF: 40.7/24

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

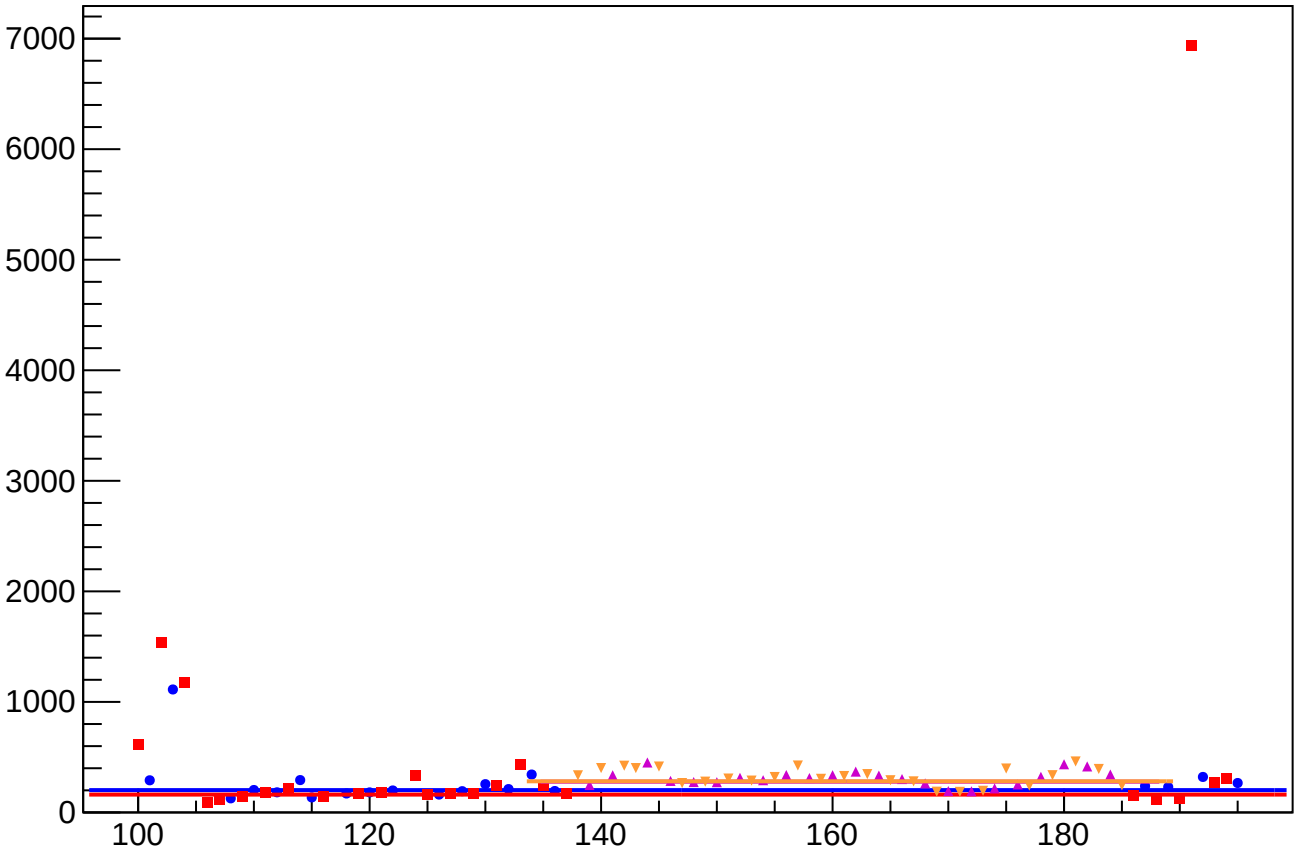
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.044+/-0.044 χ^2/NDF: 56.8/44

In: -0.101+/-0.049 χ^2/NDF:46.7/42

Out: -0.002+/-0.043 χ^2/NDF:66.0/49

All: -0.045+/-0.033 χ^2/NDF: 114.9/92



Right In: 202.120+/-0.050 χ^2/NDF: 1884015.1/19

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 161.587+/-0.040 χ^2/NDF: 3856816.8/24

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

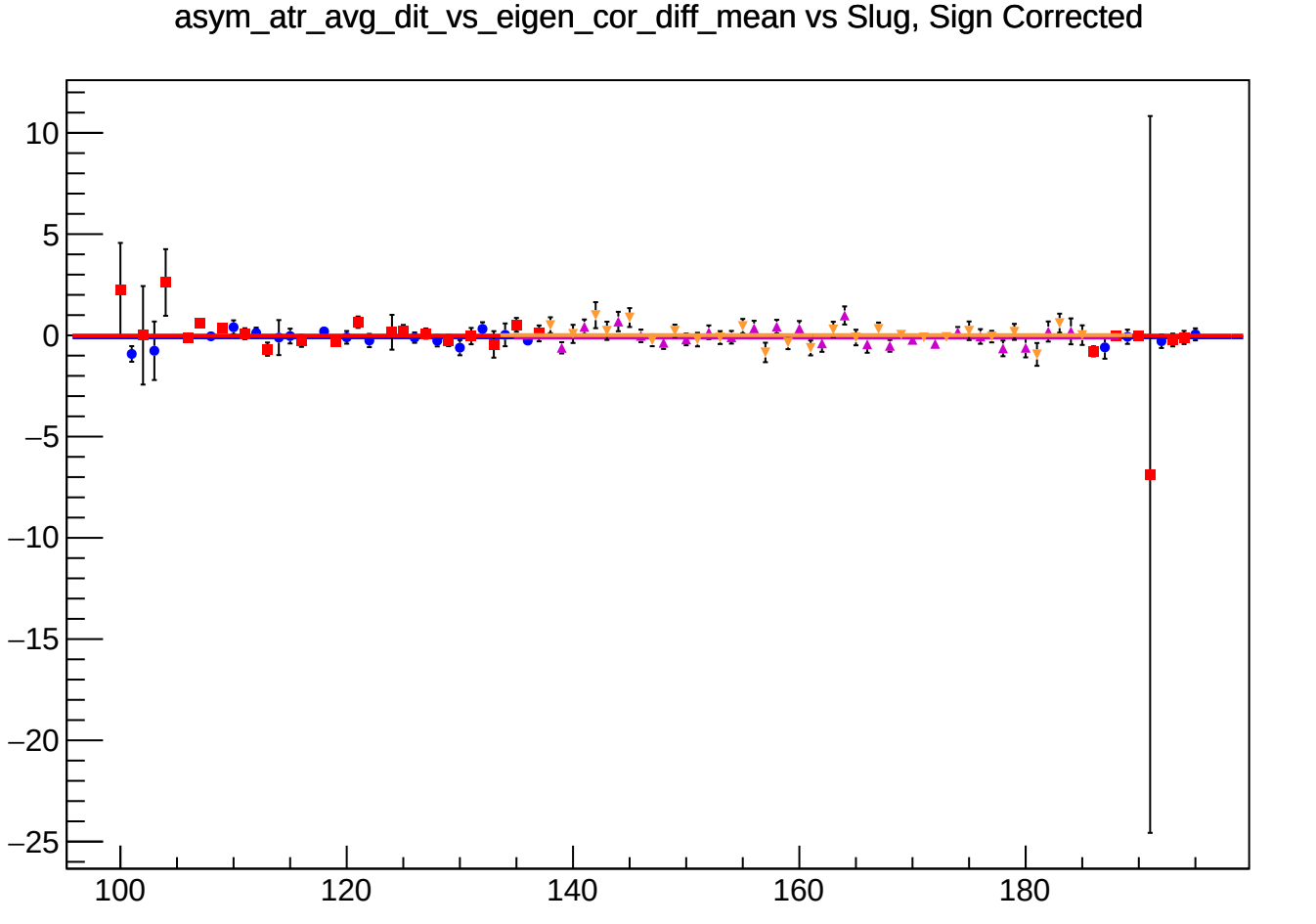
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 177.412+/-0.031 χ^2/NDF: 6143597.7/44

In: 241.319+/-0.035 χ^2/NDF:4886354.5/42

Out: 210.587+/-0.031 χ^2/NDF:10076817.9/49

All: 224.058+/-0.023 χ^2/NDF: 15401972.7/92



Right In: -0.096+/-0.071 χ^2/NDF: 15.2/19

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.011+/-0.056 χ^2/NDF: 40.7/24

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

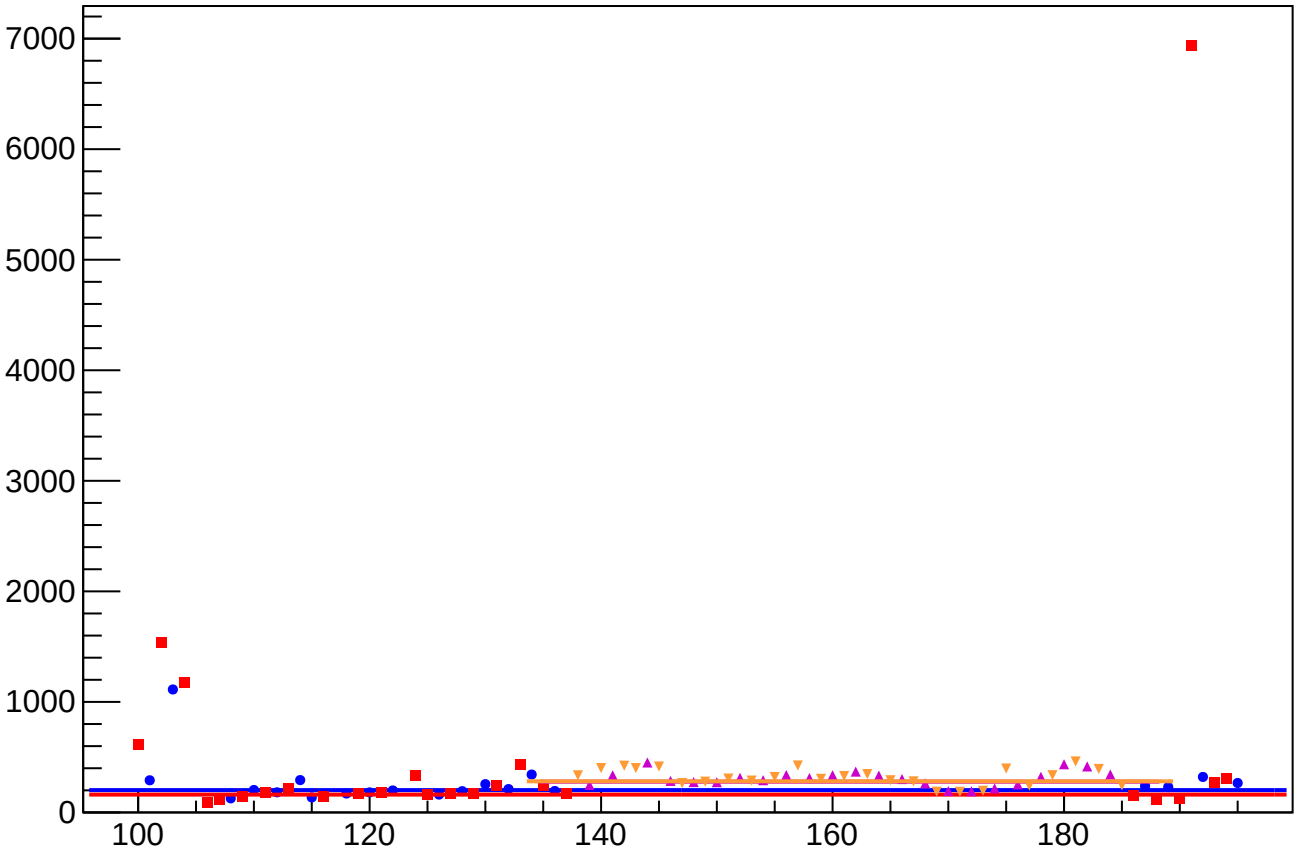
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.044+/-0.044 χ^2/NDF: 56.8/44

In: -0.101+/-0.049 χ^2/NDF:46.7/42

Out: -0.002+/-0.043 χ^2/NDF:66.0/49

All: -0.045+/-0.033 χ^2/NDF: 114.9/92



Right In: 202.120+/-0.050 χ^2/NDF: 1884015.1/19

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 161.587+/-0.040 χ^2/NDF: 3856816.8/24

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

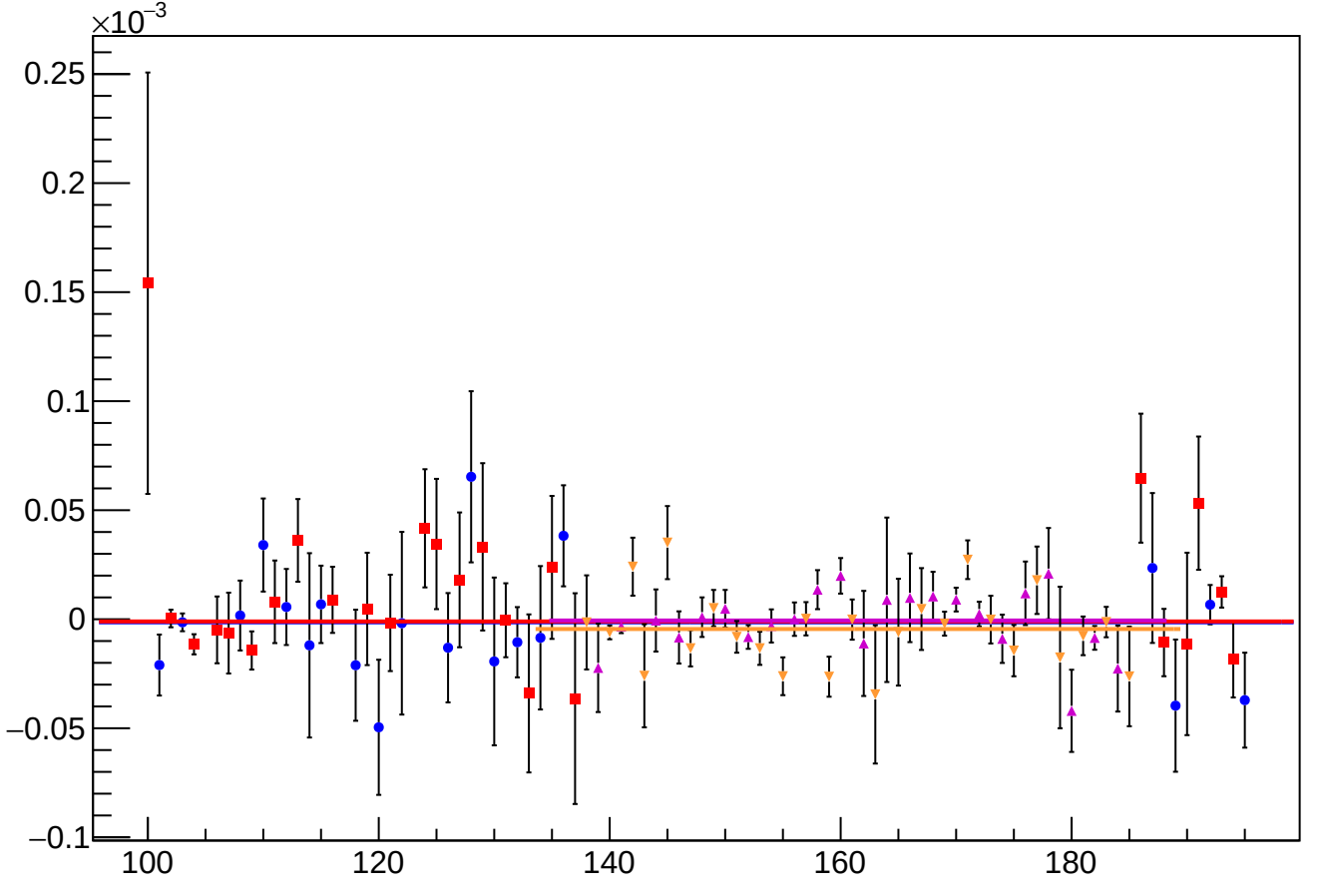
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 177.412+/-0.031 χ^2/NDF: 6143597.7/44

In: 241.319+/-0.035 χ^2/NDF:4886354.5/42

Out: 210.587+/-0.031 χ^2/NDF:10076817.9/49

All: 224.058+/-0.023 χ^2/NDF: 15401972.7/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/24

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

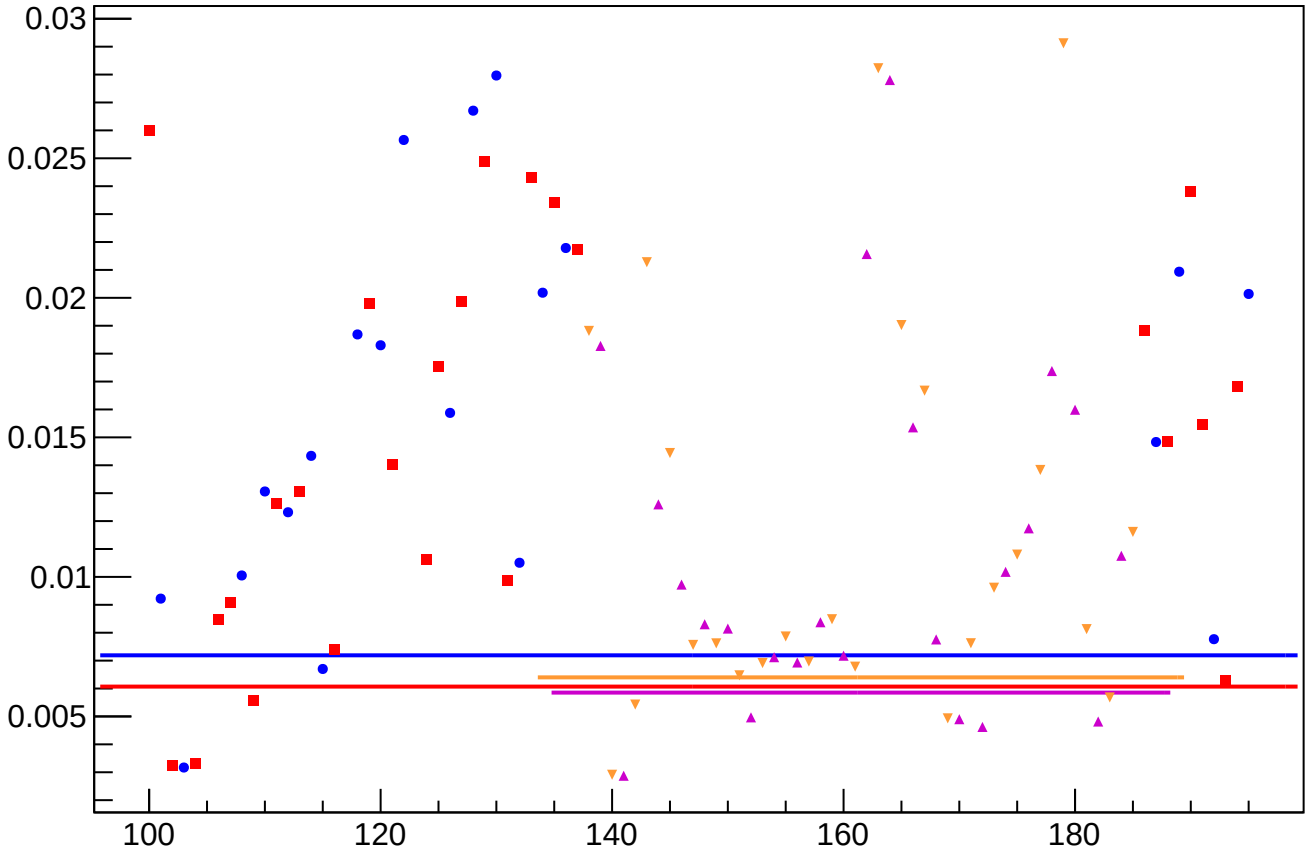
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 55.4/44

In: -0.000+/-0.000 χ^2/NDF:49.6/42

Out: -0.000+/-0.000 χ^2/NDF:82.7/49

All: -0.000+/-0.000 χ^2/NDF: 133.9/92



Right In: 0.007+/-0.000 χ^2/NDF: 7222263.8/19

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8171881.0/24

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

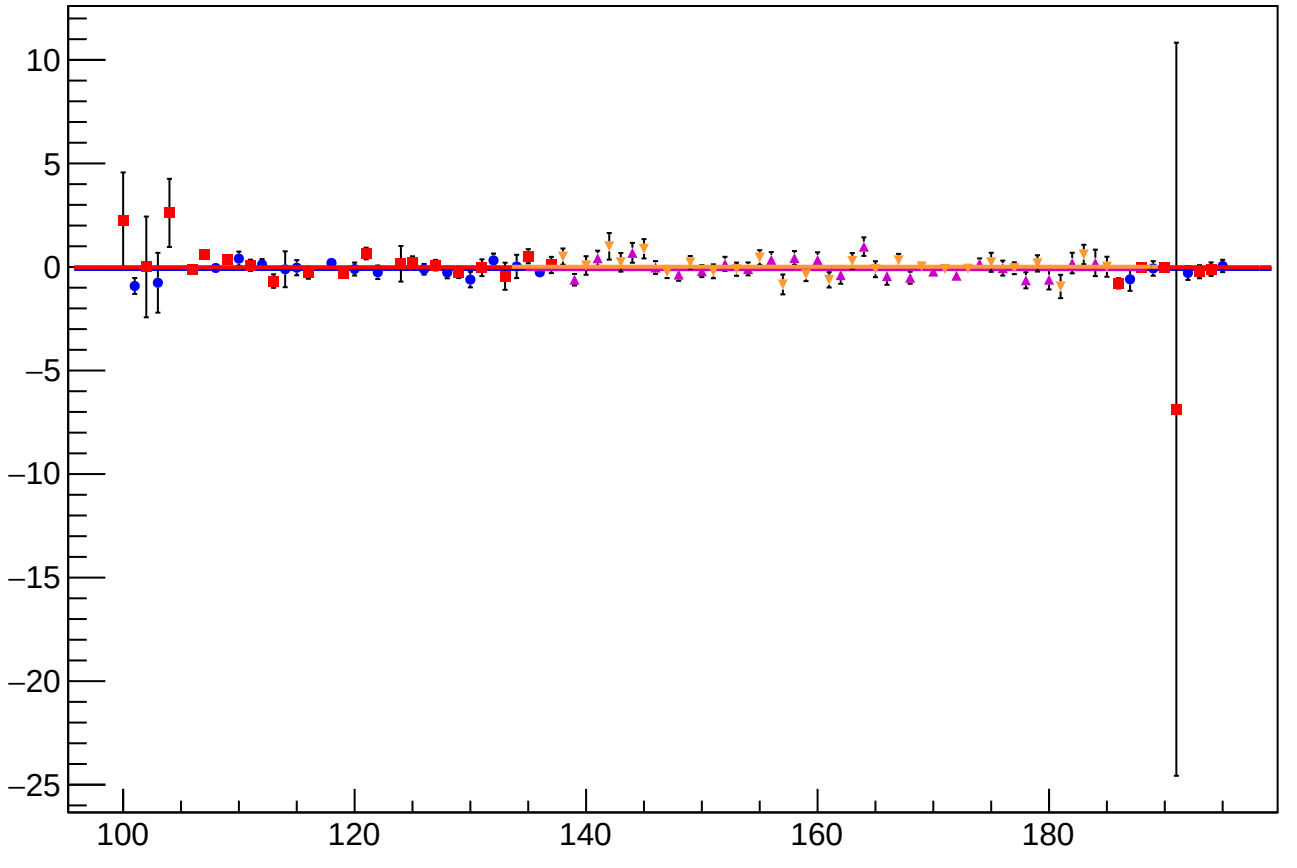
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.006+/-0.000 χ^2/NDF: 15563672.9/44

In: 0.006+/-0.000 χ^2/NDF:15664497.6/42

Out: 0.006+/-0.000 χ^2/NDF:17161980.9/49

All: 0.006+/-0.000 χ^2/NDF: 32835289.3/92



Right In: -0.096+/-0.071 χ^2/NDF: 15.2/19

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.011+/-0.056 χ^2/NDF: 40.7/24

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

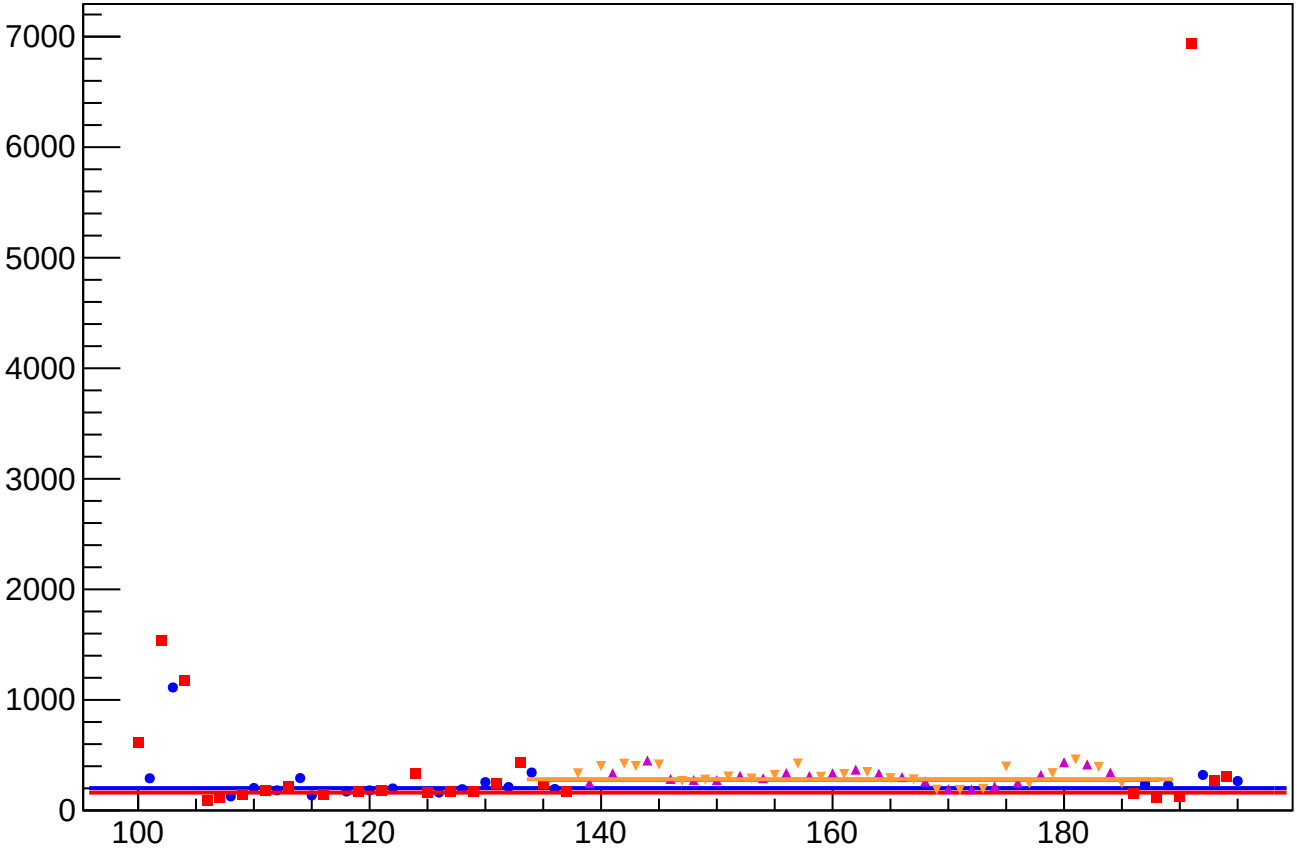
Right: -0.044+/-0.044 χ^2/NDF: 56.8/44

In: -0.101+/-0.049 χ^2/NDF:46.7/42

Out: -0.002+/-0.043 χ^2/NDF:66.0/49

All: -0.045+/-0.033 χ^2/NDF: 114.9/92

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 202.120+/-0.050 χ^2/NDF: 1884006.4/19

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 161.584+/-0.040 χ^2/NDF: 3856894.3/24

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

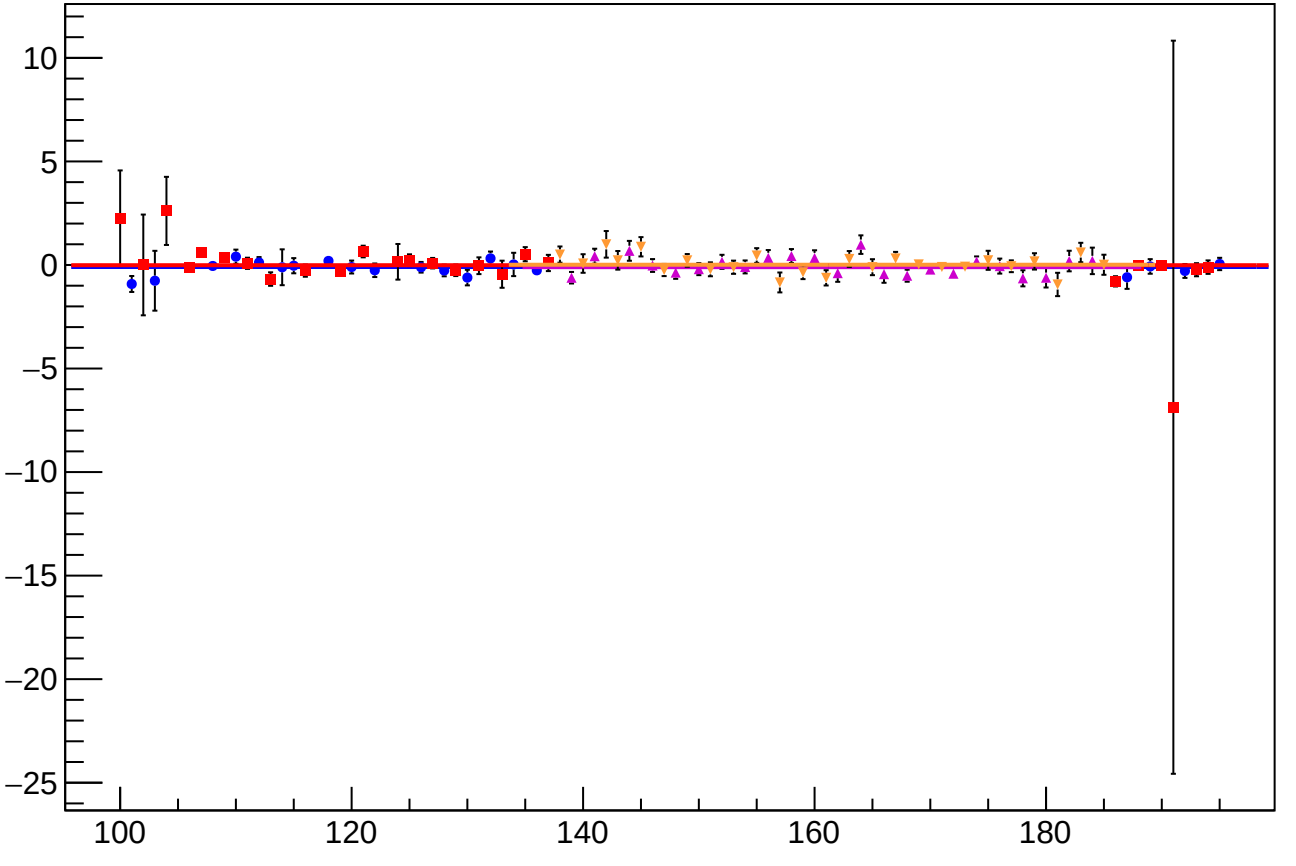
Right: 177.409+/-0.031 χ^2/NDF: 6143727.5/44

In: 241.320+/-0.035 χ^2/NDF:4886471.8/42

Out: 210.584+/-0.031 χ^2/NDF:10077319.7/49

All: 224.057+/-0.023 χ^2/NDF: 15402674.9/92

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.096+/-0.071 χ^2/NDF: 15.2/19

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.011+/-0.056 χ^2/NDF: 40.7/24

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

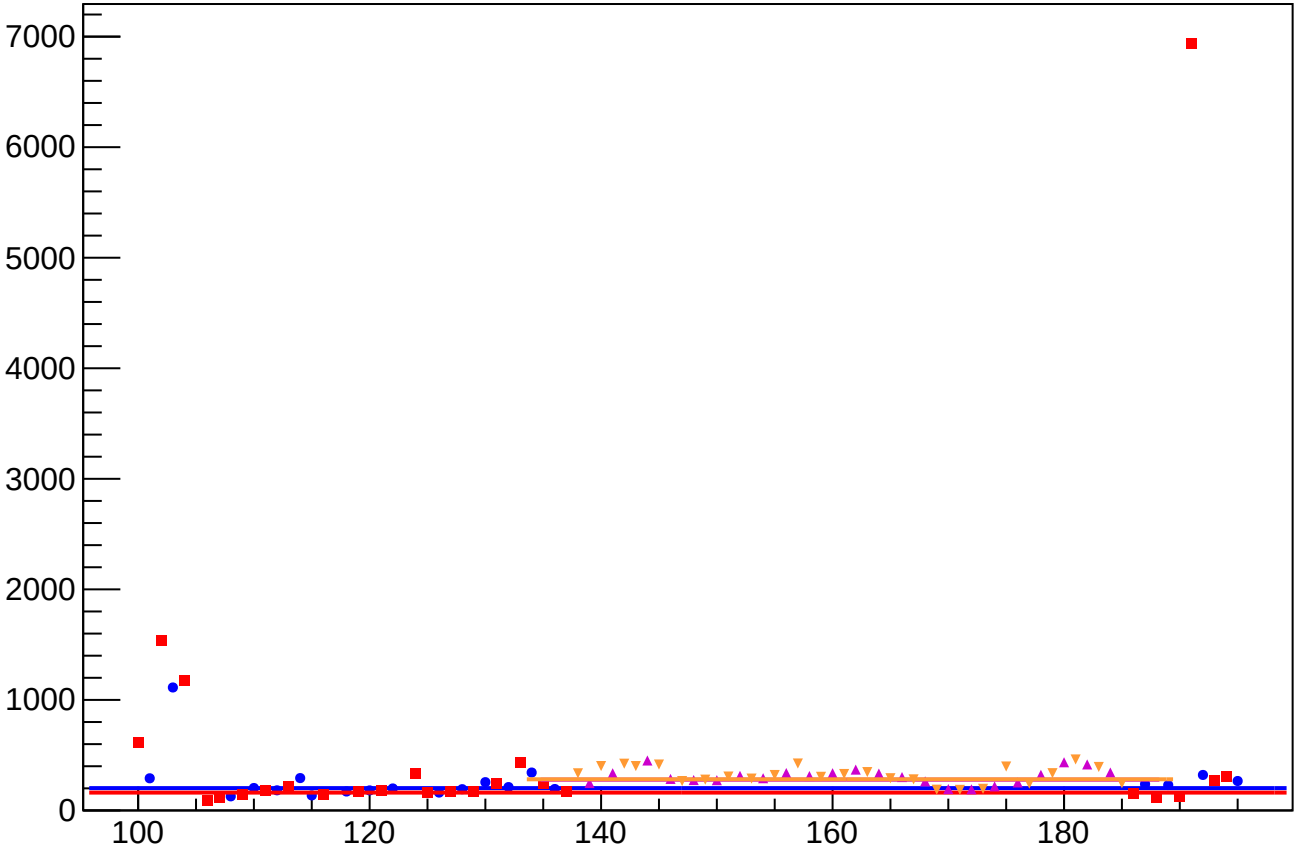
Right: -0.044+/-0.044 χ^2/NDF: 56.8/44

In: -0.101+/-0.049 χ^2/NDF:46.7/42

Out: -0.002+/-0.043 χ^2/NDF:66.0/49

All: -0.045+/-0.033 χ^2/NDF: 114.9/92

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 202.120+/-0.050 χ^2/NDF: 1884006.4/19

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 161.584+/-0.040 χ^2/NDF: 3856894.3/24

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

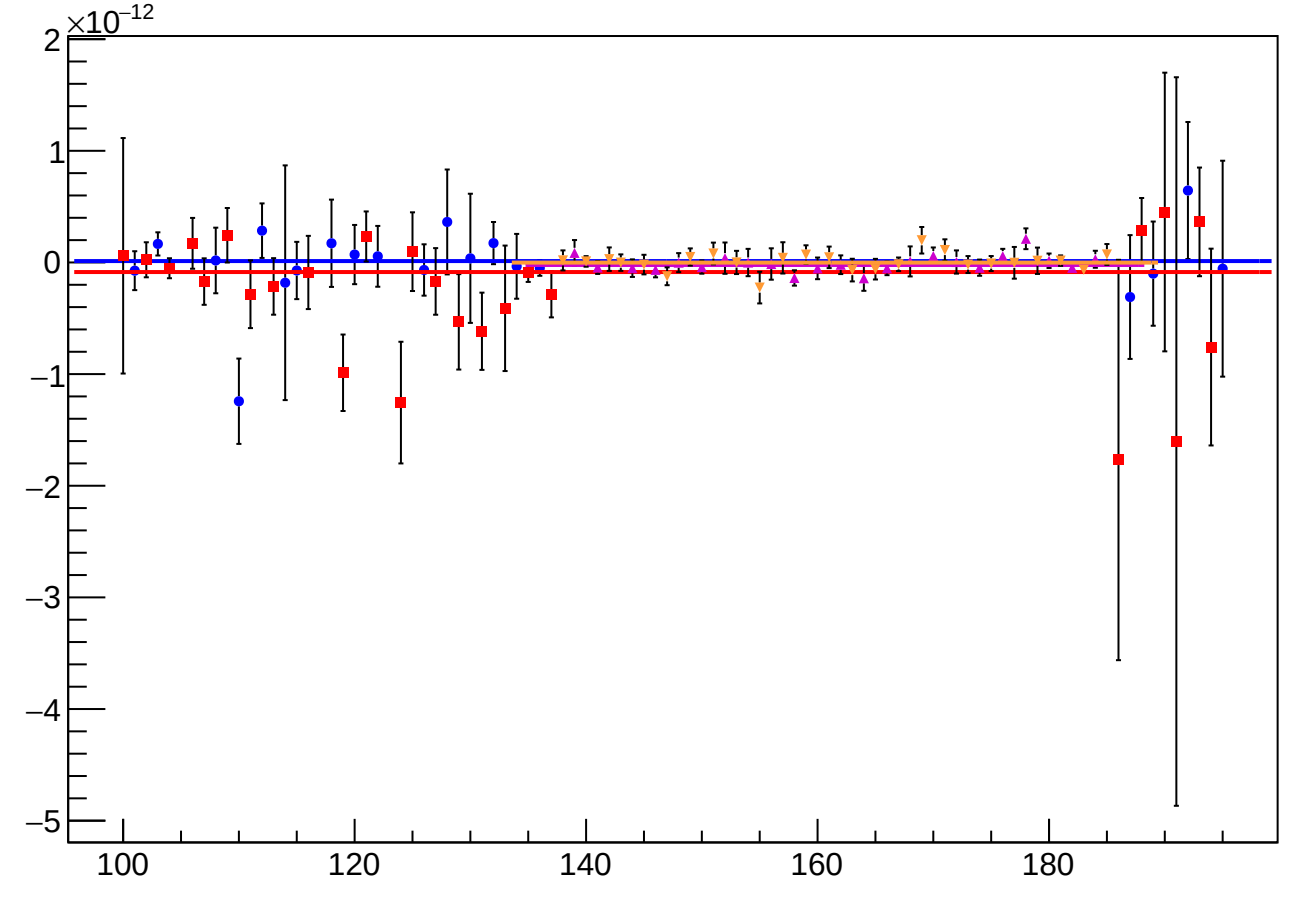
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 177.409+/-0.031 χ^2/NDF: 6143727.5/44

In: 241.320+/-0.035 χ^2/NDF:4886471.8/42

Out: 210.584+/-0.031 χ^2/NDF:10077319.7/49

All: 224.057+/-0.023 χ^2/NDF: 15402674.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/24

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

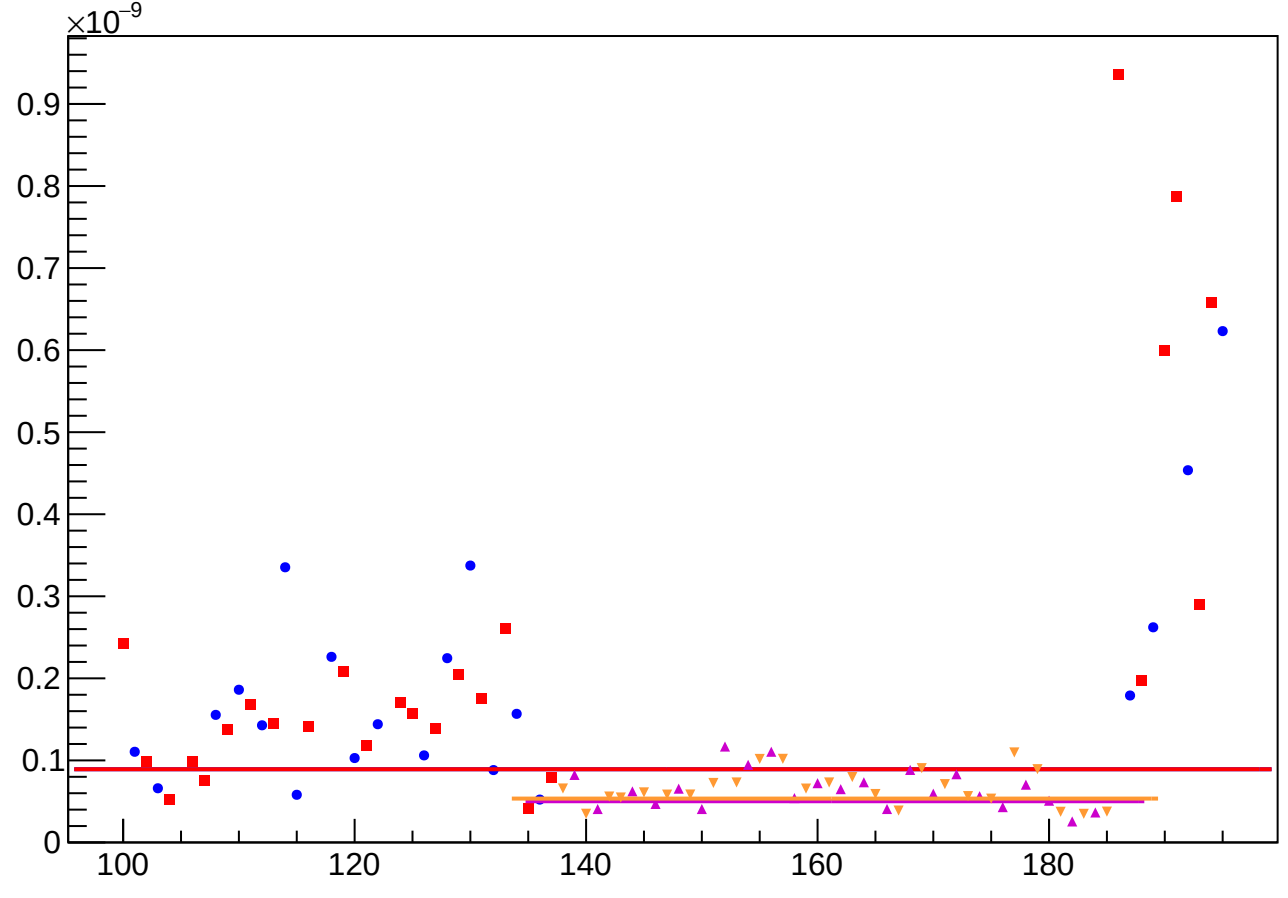
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 48.5/44

In: -0.000+/-0.000 χ^2/NDF:35.9/42

Out: -0.000+/-0.000 χ^2/NDF:46.2/49

All: -0.000+/-0.000 χ^2/NDF: 82.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 3779770.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4640493.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

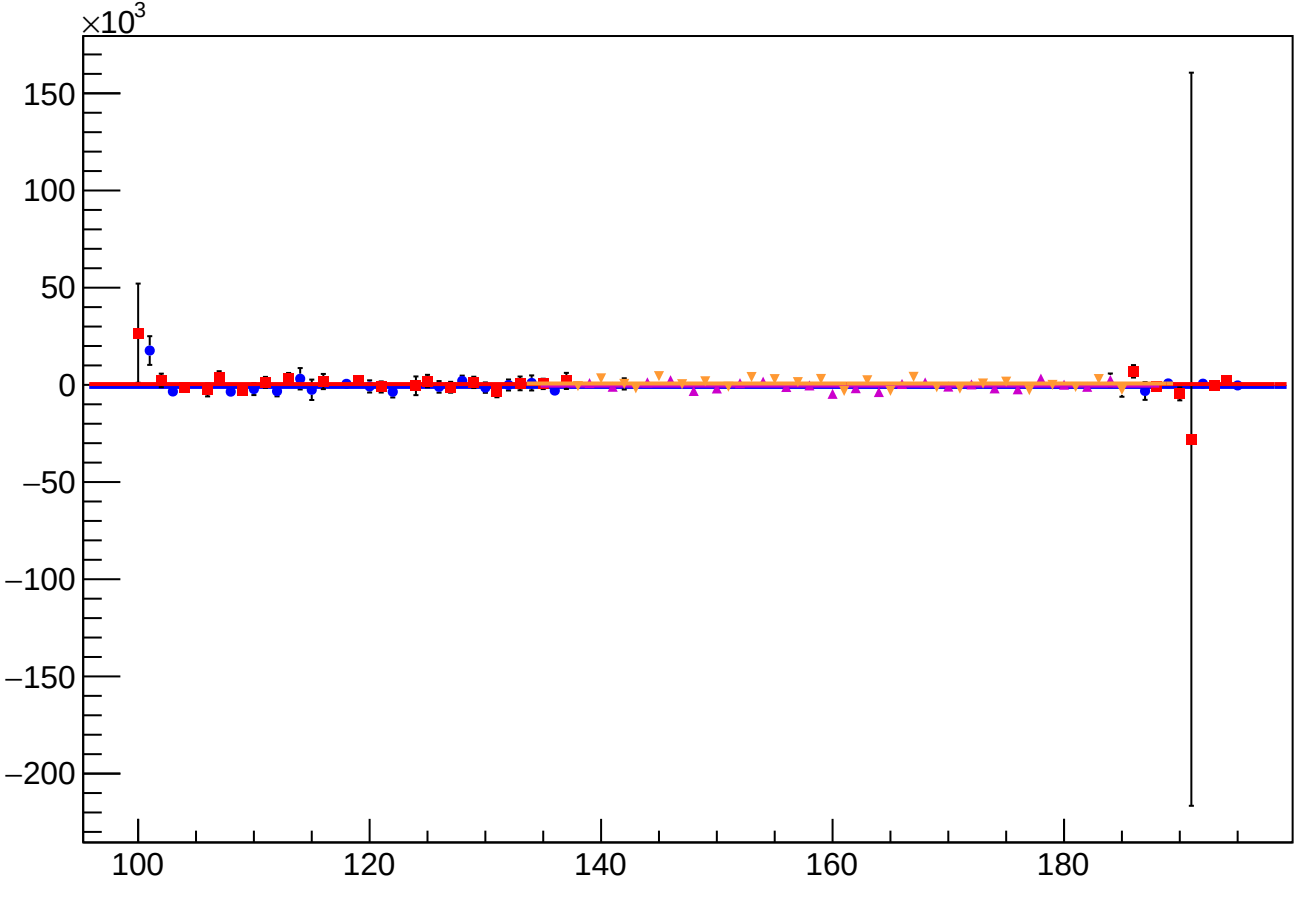
Right: 0.000+/-0.000 χ^2/NDF: 8420263.5/44

In: 0.000+/-0.000 χ^2/NDF:8490505.4/42

Out: 0.000+/-0.000 χ^2/NDF:8597356.4/49

All: 0.000+/-0.000 χ^2/NDF: 17135654.9/92

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1052.314+/-622.352 χ^2/NDF: 15.3/19

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 410.136+/-589.102 χ^2/NDF: 17.7/24

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

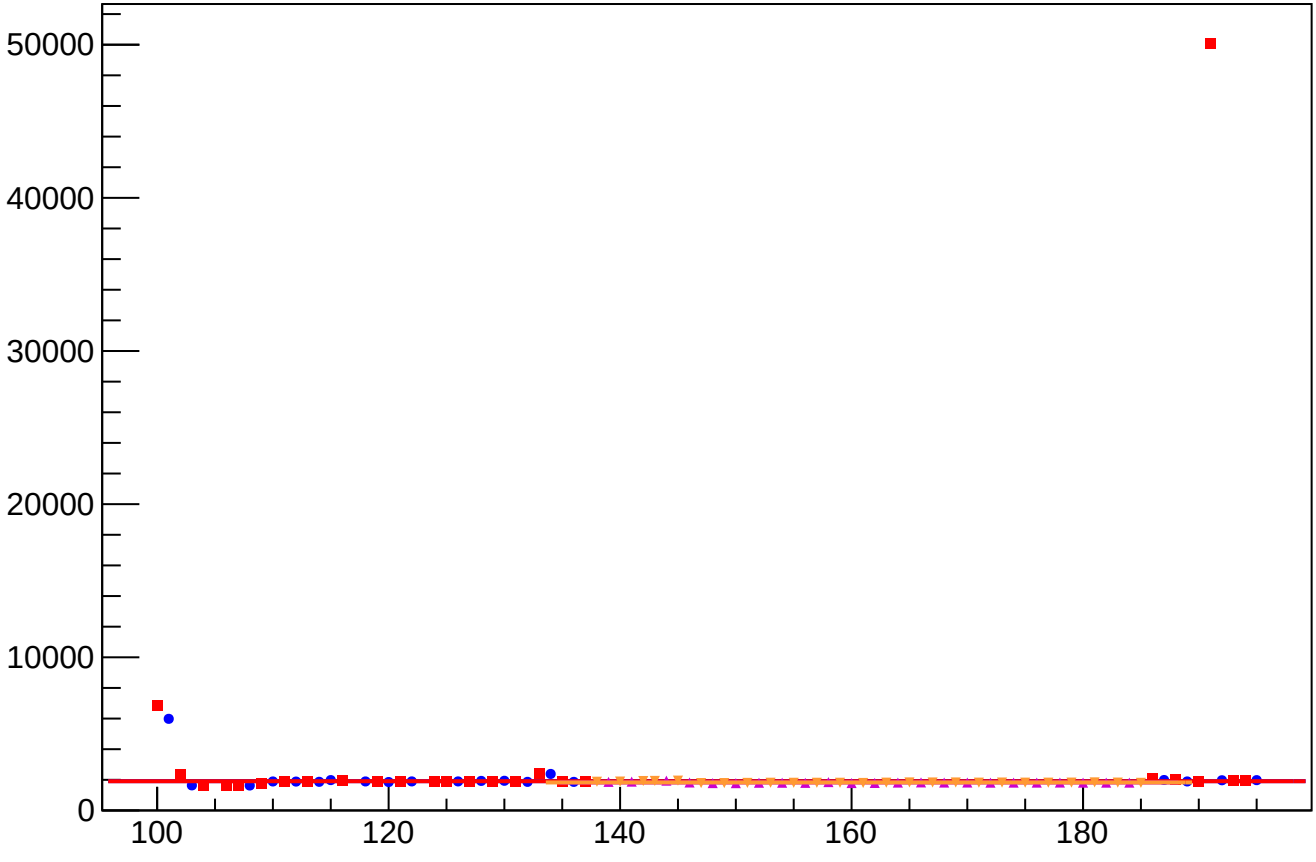
Right: -280.981+/-427.830 χ^2/NDF: 36.0/44

In: -610.405+/-351.654 χ^2/NDF:36.8/42

Out: 607.578+/-339.478 χ^2/NDF:49.8/49

All: 20.038+/-244.238 χ^2/NDF: 92.9/92

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.223+/-0.440 χ^2/NDF: 702615.0/19

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1909.211+/-0.416 χ^2/NDF: 369868.6/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

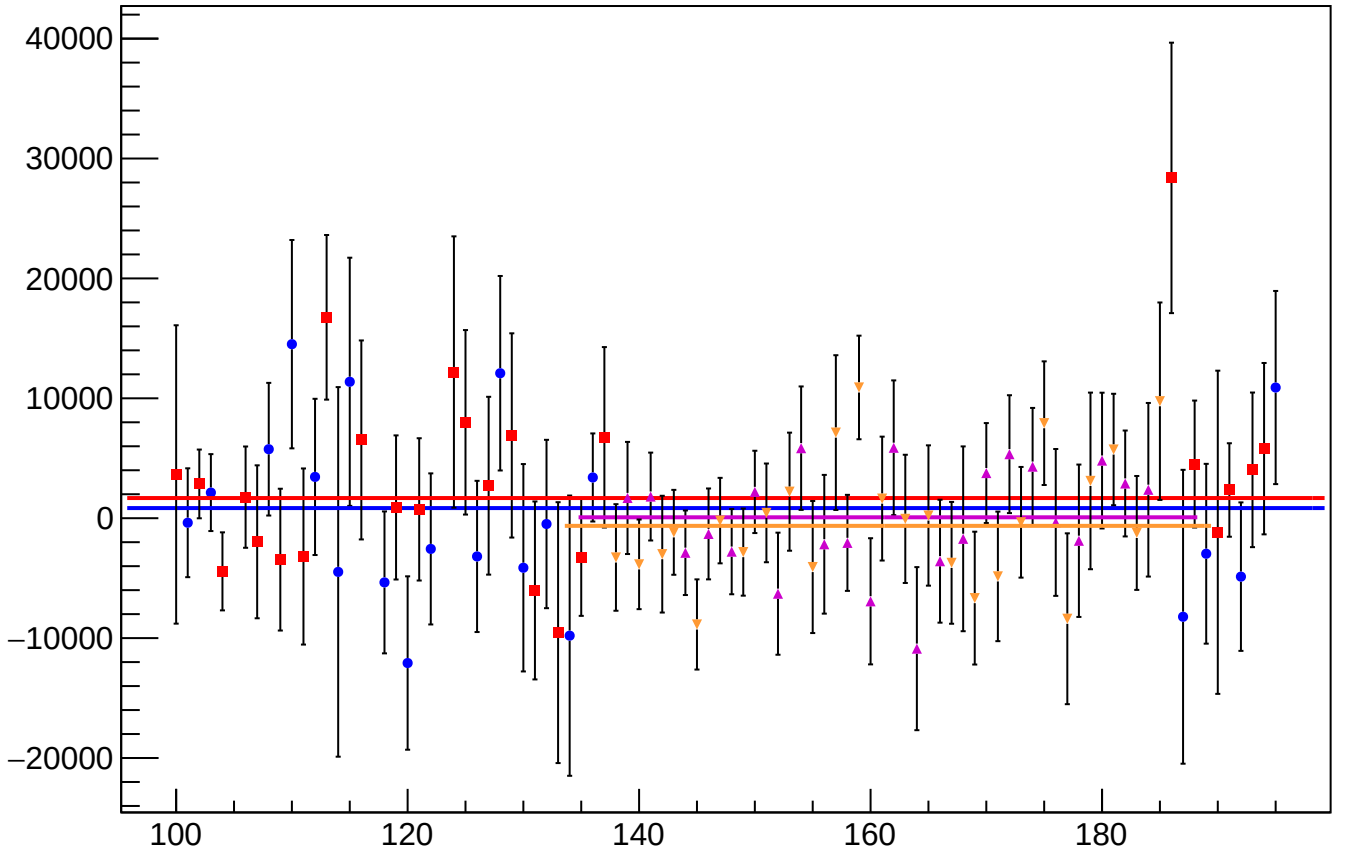
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1911.574+/-0.302 χ^2/NDF: 1072552.2/44

In: 1853.598+/-0.249 χ^2/NDF:743854.3/42

Out: 1855.216+/-0.240 χ^2/NDF:414513.3/49

All: 1854.436+/-0.173 χ^2/NDF: 1158389.6/92



Right In: 845.049+/-1382.857 χ^2/NDF: 16.6/19

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1681.756+/-1159.614 χ^2/NDF: 22.4/24

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

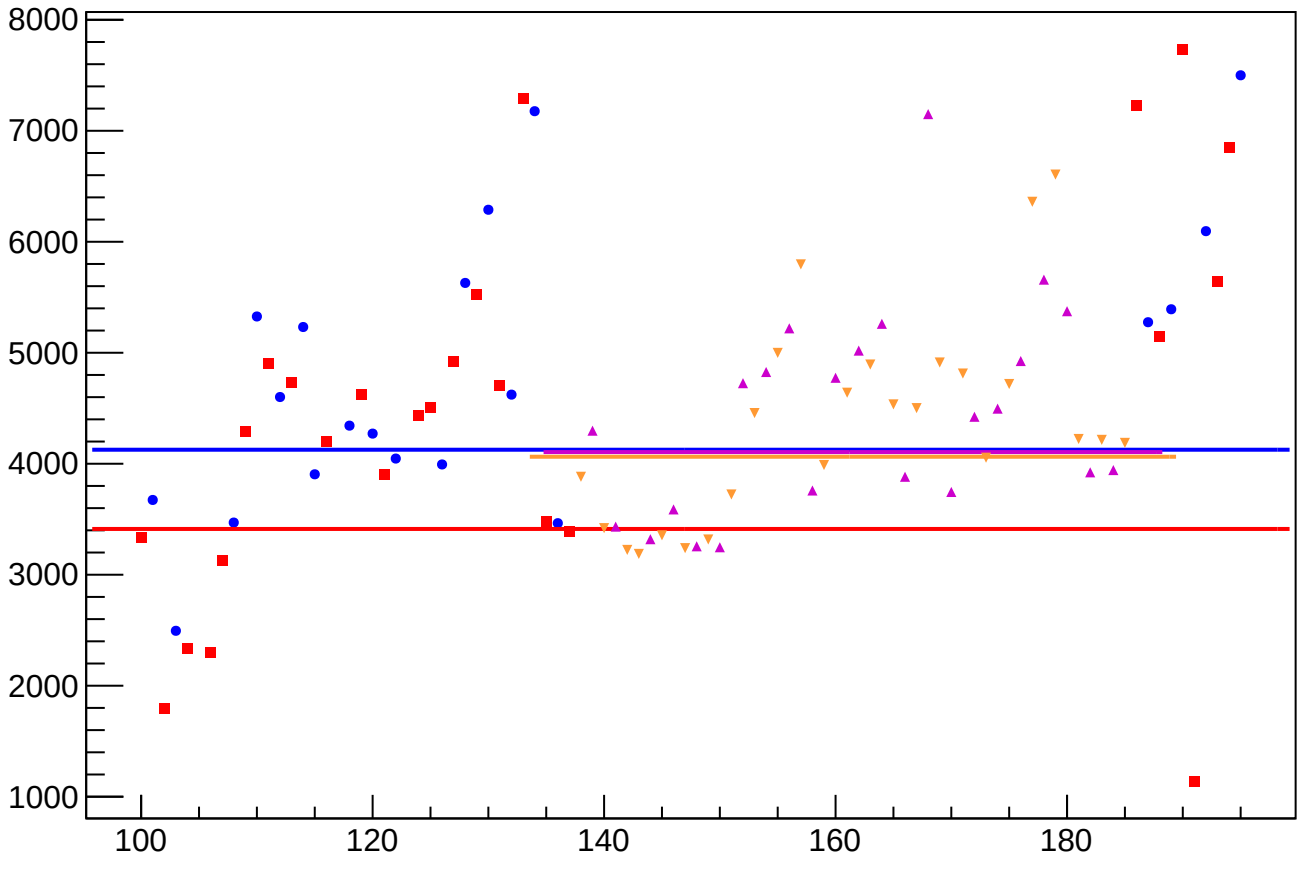
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1336.308+/-888.550 χ^2/NDF: 39.3/44

In: 333.037+/-799.706 χ^2/NDF:32.3/42

Out: 290.133+/-733.426 χ^2/NDF:50.8/49

All: 309.734+/-540.526 χ^2/NDF: 83.1/92



Right In: 4126.344+/-0.978 χ^2/NDF: 1662519.7/19

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3412.443+/-0.820 χ^2/NDF: 3920873.2/24

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

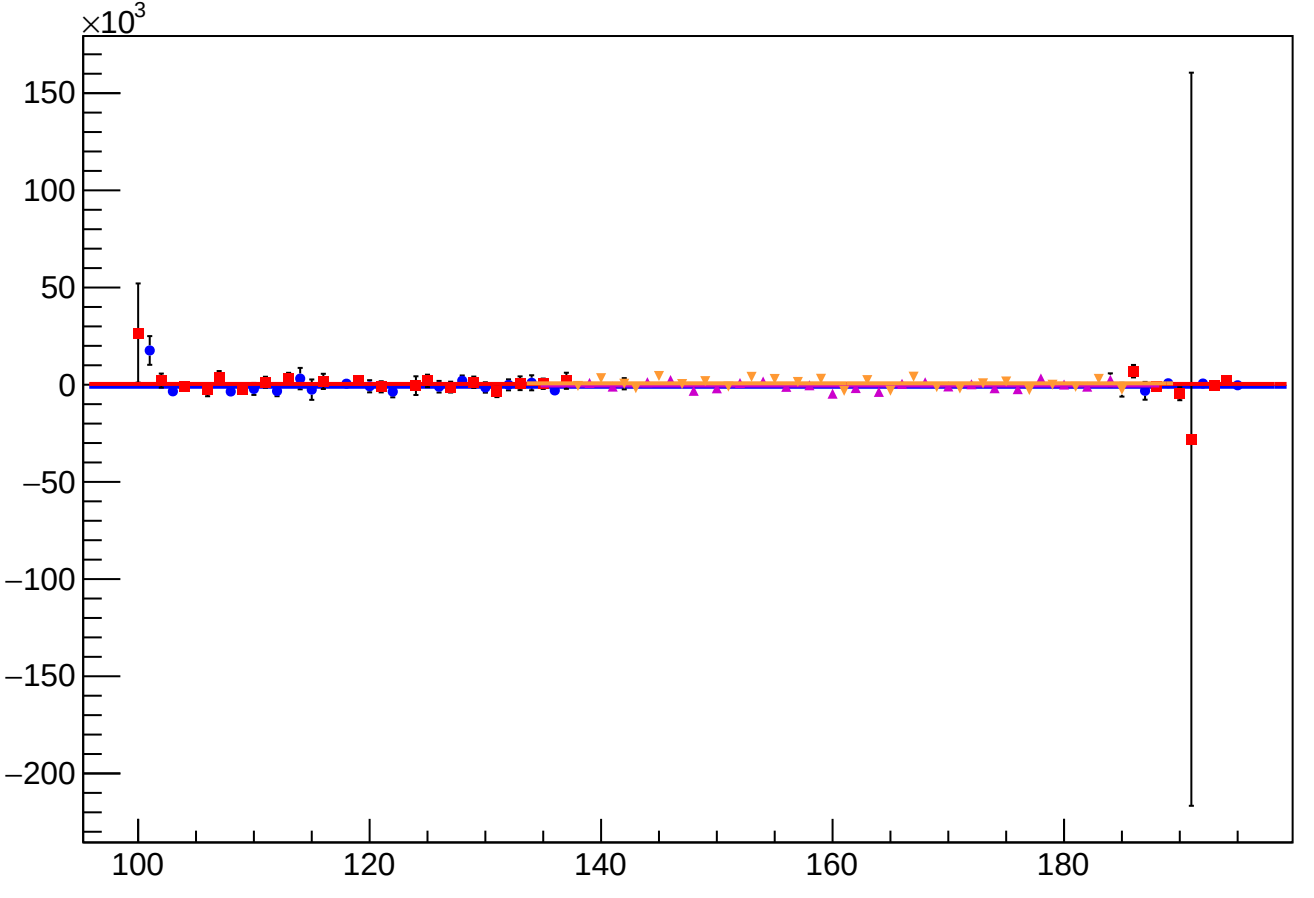
Right: 3707.189+/-0.628 χ^2/NDF: 5896352.8/44

In: 4112.176+/-0.565 χ^2/NDF:3022328.3/42

Out: 3802.827+/-0.519 χ^2/NDF:5703701.3/49

All: 3944.153+/-0.382 χ^2/NDF: 8888580.2/92

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1052.593+/-622.352 χ^2/NDF: 15.3/19

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 402.921+/-589.660 χ^2/NDF: 17.7/24

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

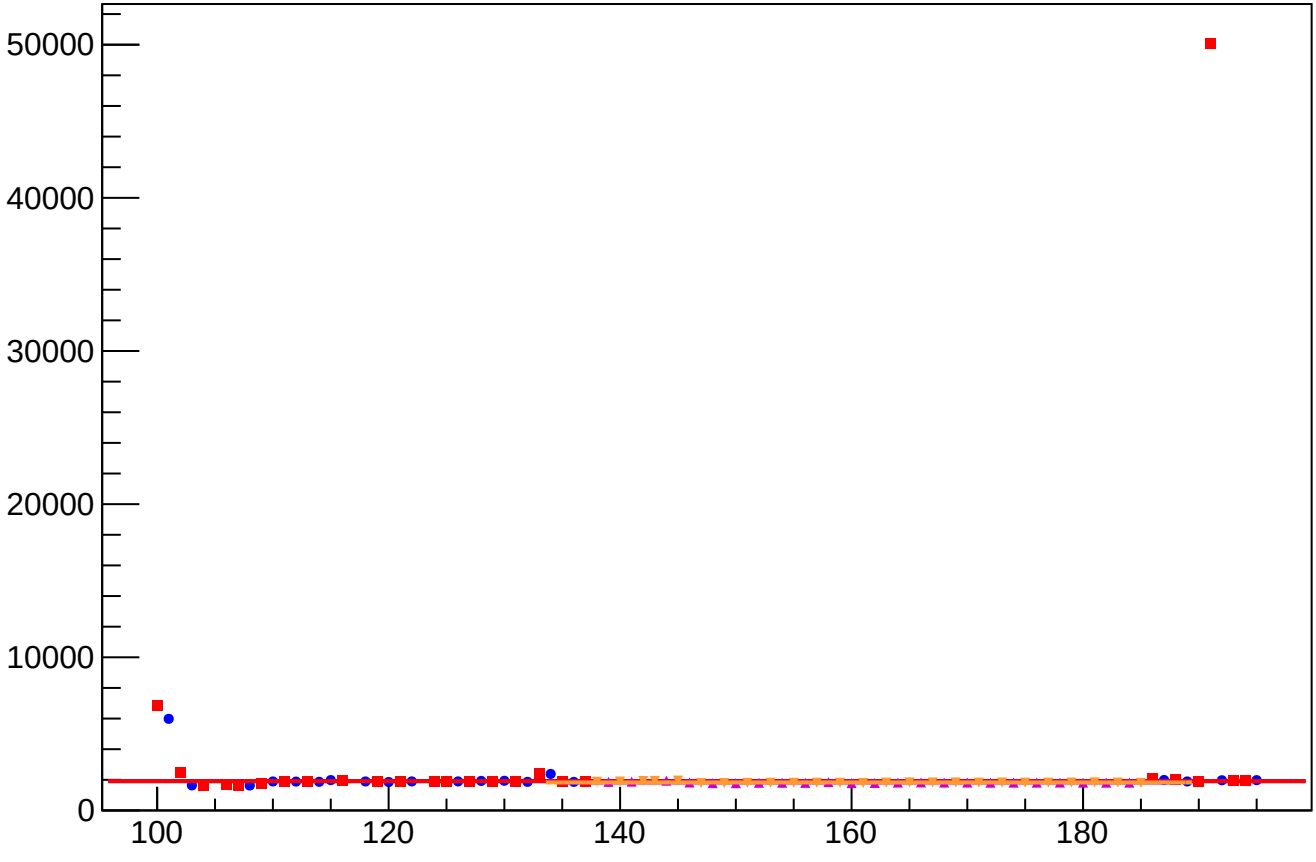
Right: -285.605+/-428.044 χ^2/NDF: 35.8/44

In: -610.383+/-351.654 χ^2/NDF:36.8/42

Out: 605.348+/-339.585 χ^2/NDF:49.8/49

All: 18.703+/-244.278 χ^2/NDF: 92.7/92

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.222+/-0.440 χ^2/NDF: 702615.2/19

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1914.118+/-0.416 χ^2/NDF: 376875.5/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

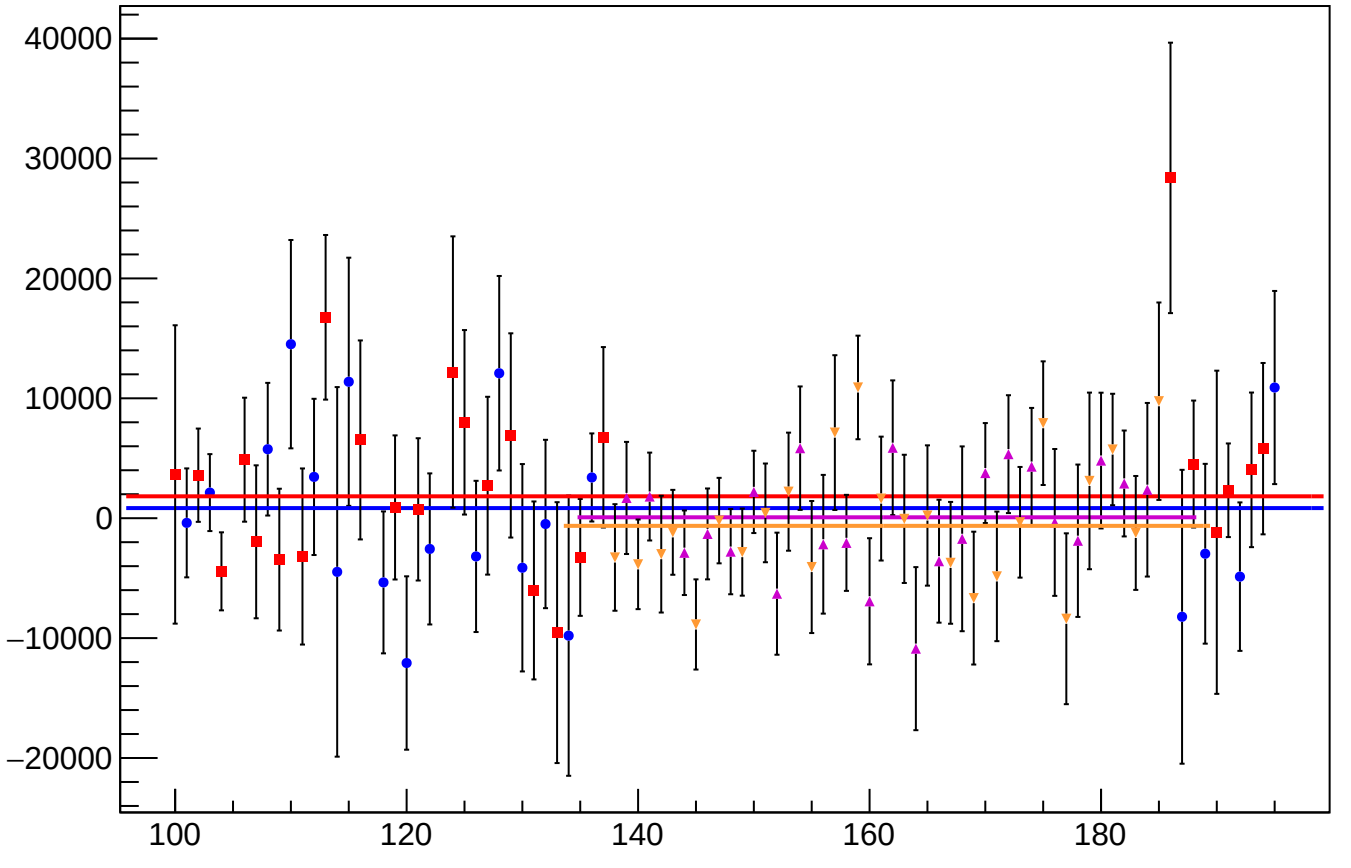
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1914.167+/-0.302 χ^2/NDF: 1079490.8/44

In: 1853.598+/-0.249 χ^2/NDF:743854.4/42

Out: 1856.765+/-0.240 χ^2/NDF:424596.1/49

All: 1855.238+/-0.173 χ^2/NDF: 1168534.5/92



Right In: 843.961+/-1382.998 χ^2/NDF: 16.6/19

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1825.889+/-1222.432 χ^2/NDF: 22.9/24

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

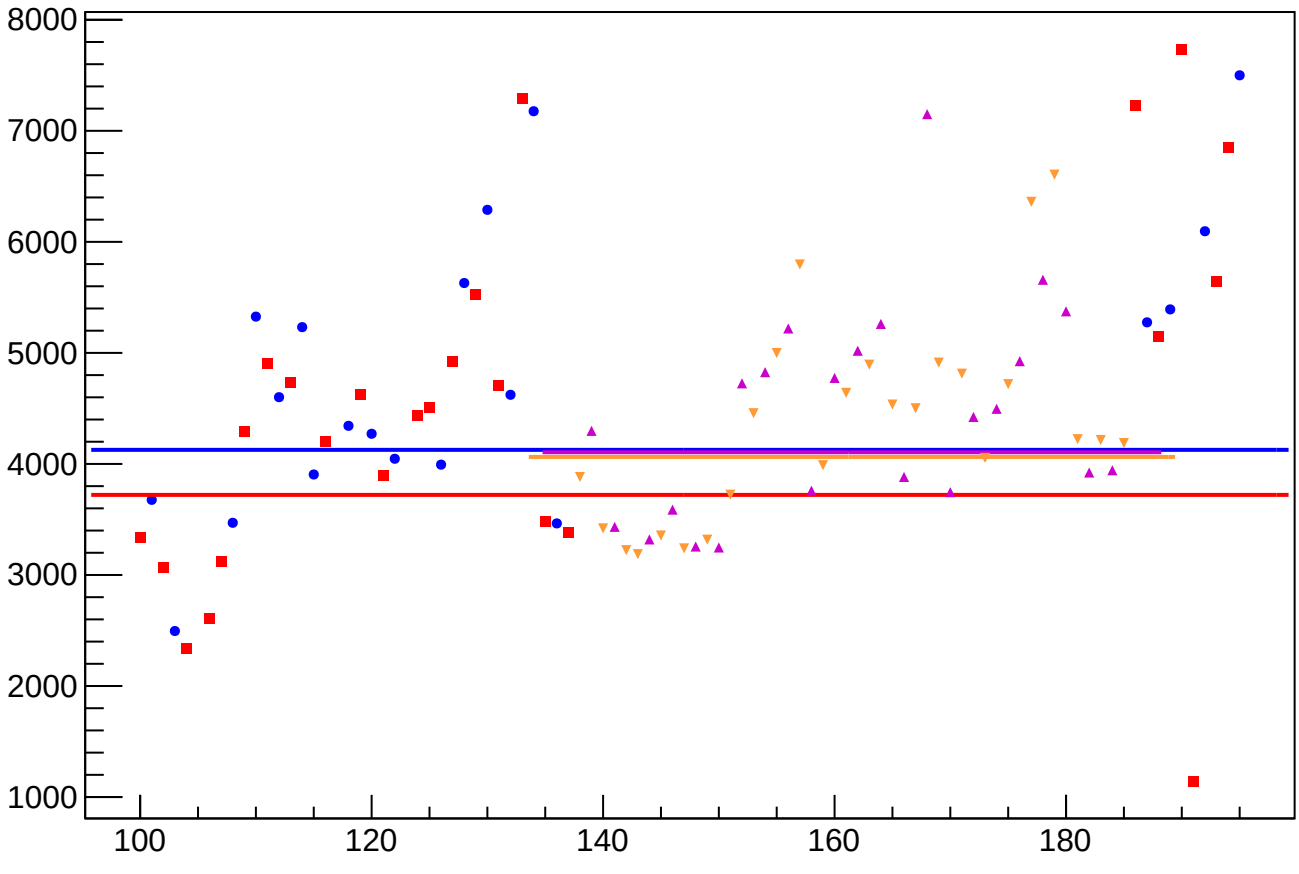
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1395.210+/-915.922 χ^2/NDF: 39.8/44

In: 332.654+/-799.732 χ^2/NDF:32.3/42

Out: 286.102+/-748.571 χ^2/NDF:51.4/49

All: 307.841+/-546.512 χ^2/NDF: 83.7/92



Right In: 4126.864+/-0.978 χ^2/NDF: 1661753.8/19

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3721.261+/-0.864 χ^2/NDF: 3079795.7/24

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

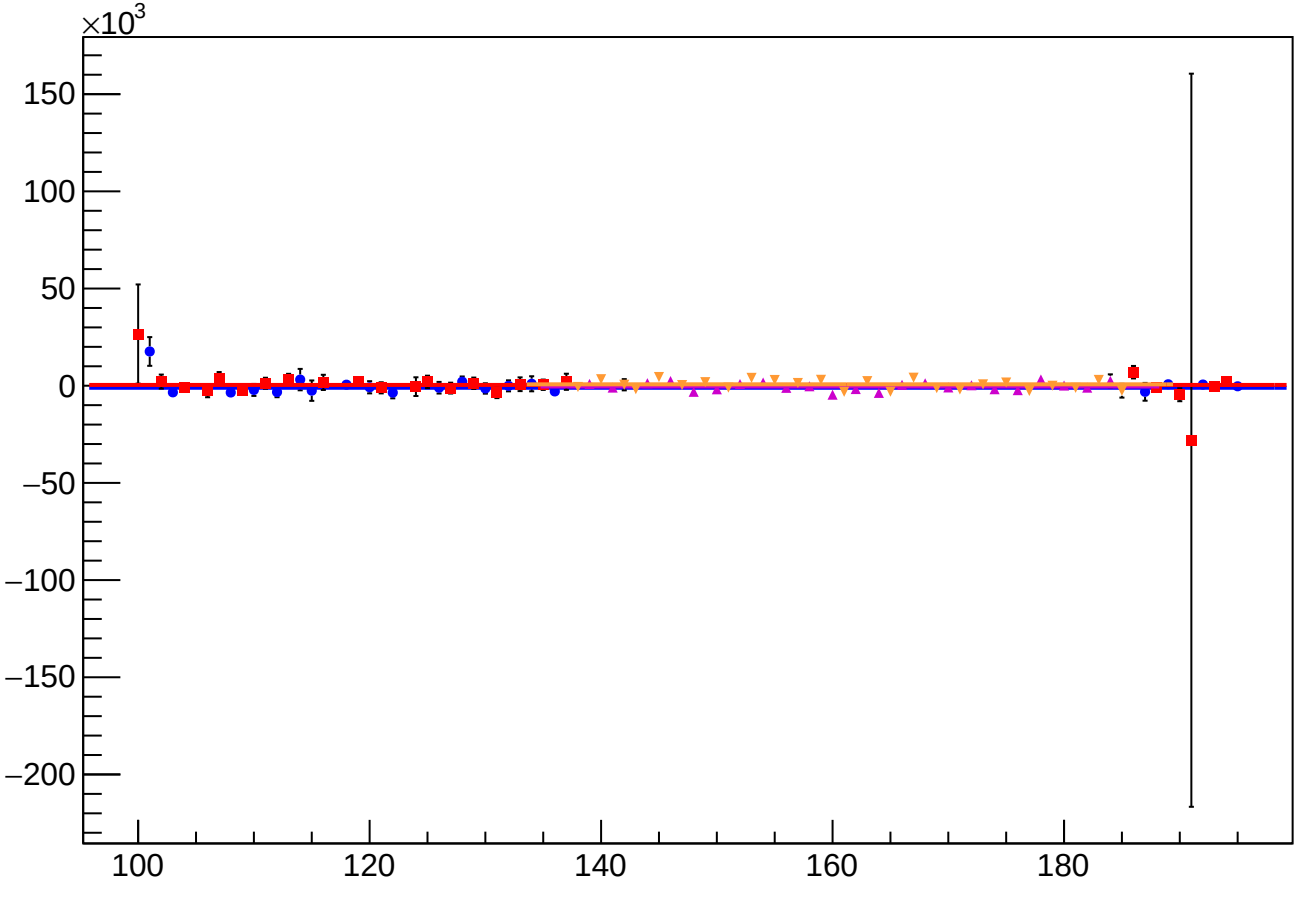
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 3899.160+/-0.648 χ^2/NDF: 4838122.9/44

In: 4112.344+/-0.565 χ^2/NDF:3021586.9/42

Out: 3934.918+/-0.529 χ^2/NDF:4582578.7/49

All: 4017.775+/-0.386 χ^2/NDF: 7656635.3/92



Right In: -1052.593+/-622.352 χ^2/NDF: 15.3/19

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 402.921+/-589.660 χ^2/NDF: 17.7/24

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

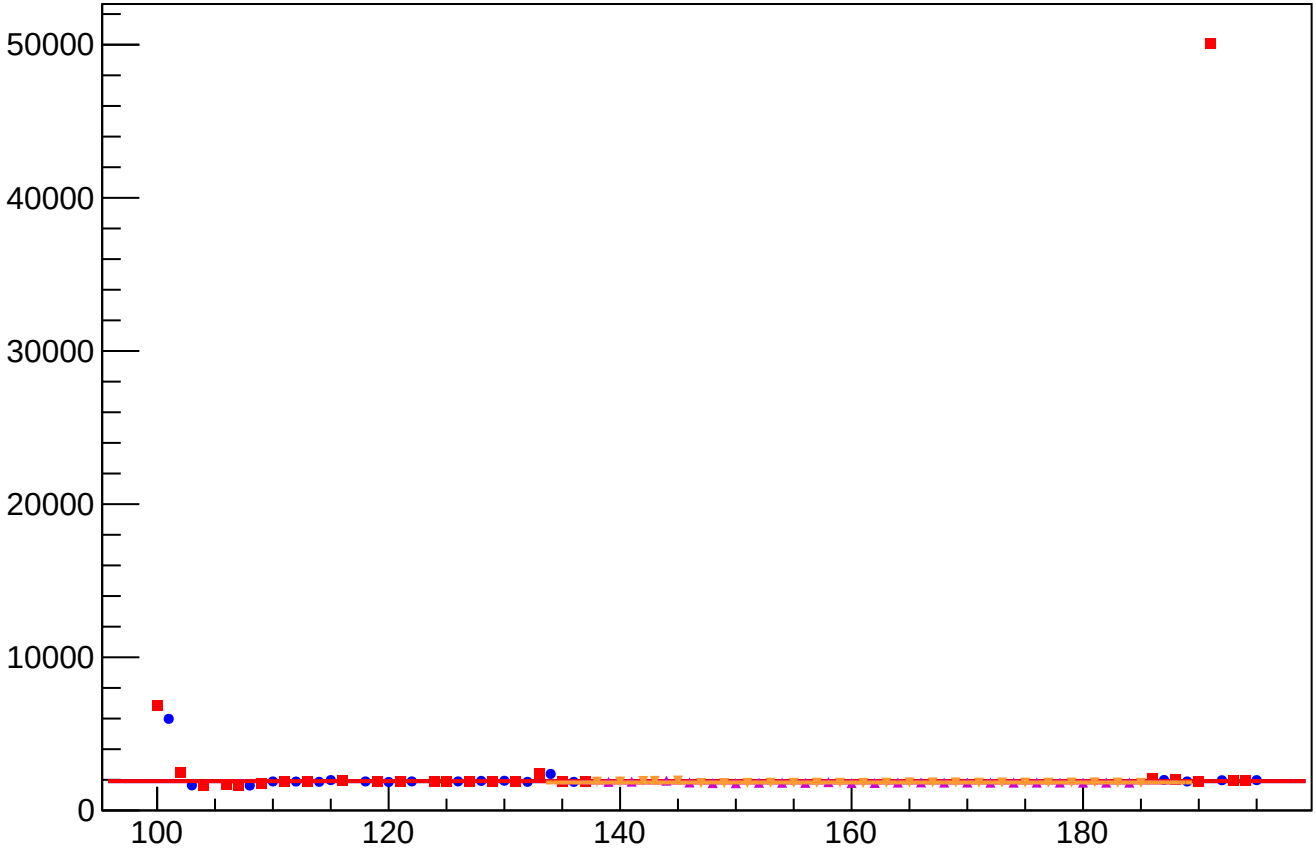
Right: -285.605+/-428.044 χ^2/NDF: 35.8/44

In: -610.383+/-351.654 χ^2/NDF:36.8/42

Out: 605.348+/-339.585 χ^2/NDF:49.8/49

All: 18.703+/-244.278 χ^2/NDF: 92.7/92

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.222+/-0.440 χ^2/NDF: 702615.2/19

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1914.118+/-0.416 χ^2/NDF: 376875.5/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

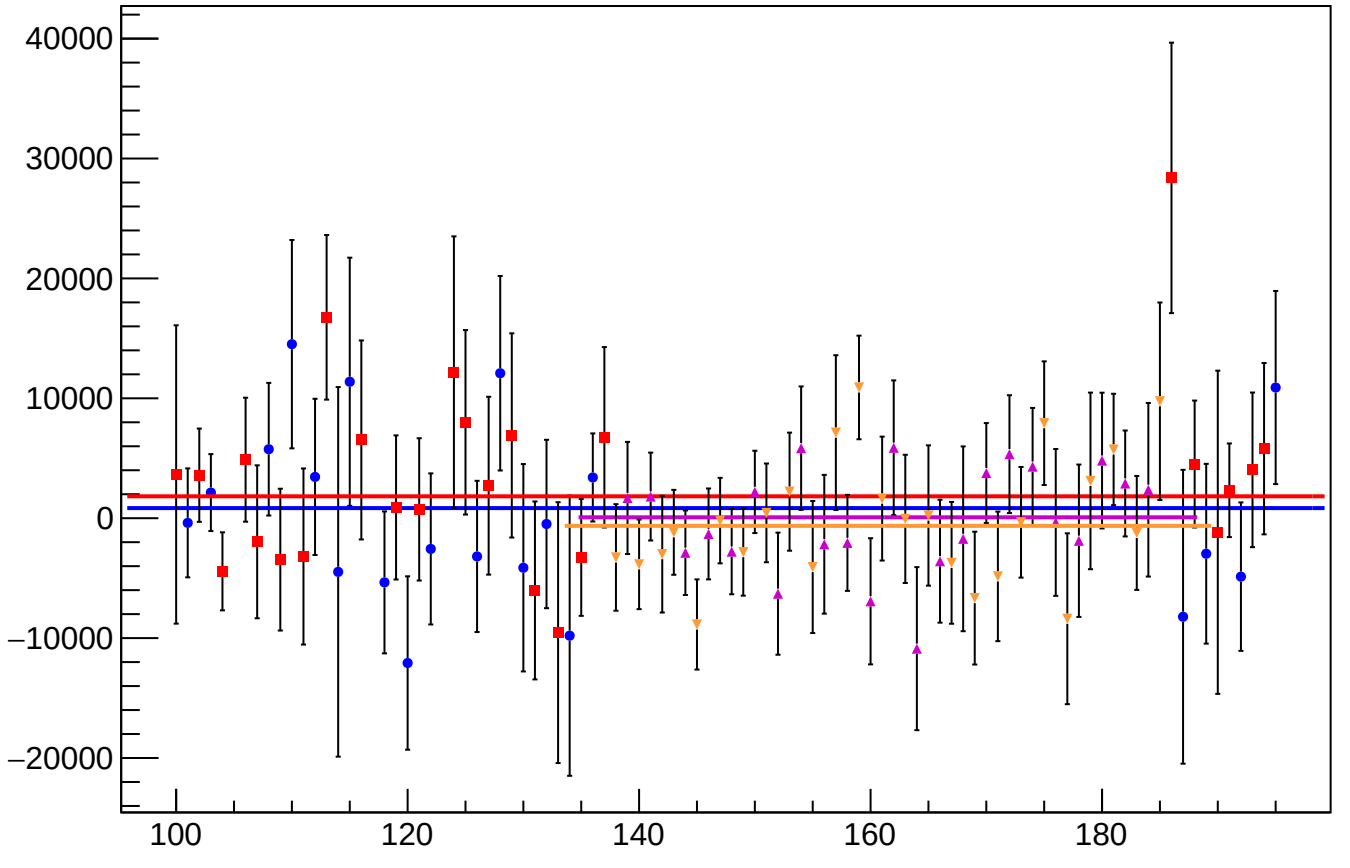
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1914.167+/-0.302 χ^2/NDF: 1079490.8/44

In: 1853.598+/-0.249 χ^2/NDF:743854.4/42

Out: 1856.765+/-0.240 χ^2/NDF:424596.1/49

All: 1855.238+/-0.173 χ^2/NDF: 1168534.5/92



Right In: 843.961+/-1382.998 χ^2/NDF: 16.6/19

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1825.889+/-1222.432 χ^2/NDF: 22.9/24

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

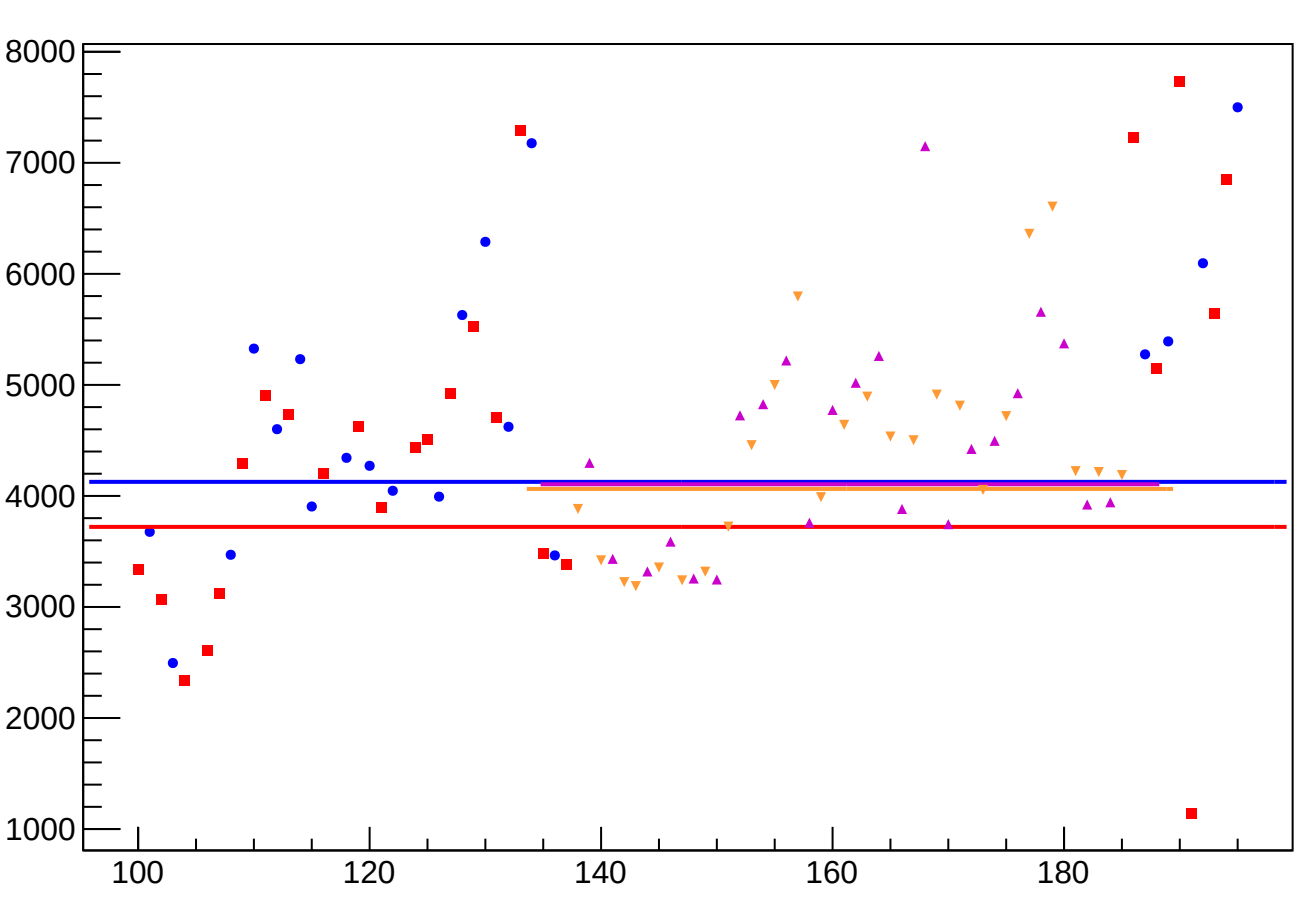
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1395.210+/-915.922 χ^2/NDF: 39.8/44

In: 332.654+/-799.732 χ^2/NDF:32.3/42

Out: 286.102+/-748.571 χ^2/NDF:51.4/49

All: 307.841+/-546.512 χ^2/NDF: 83.7/92



Right In: 4126.864+/-0.978 χ^2/NDF: 1661753.8/19

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3721.261+/-0.864 χ^2/NDF: 3079795.7/24

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

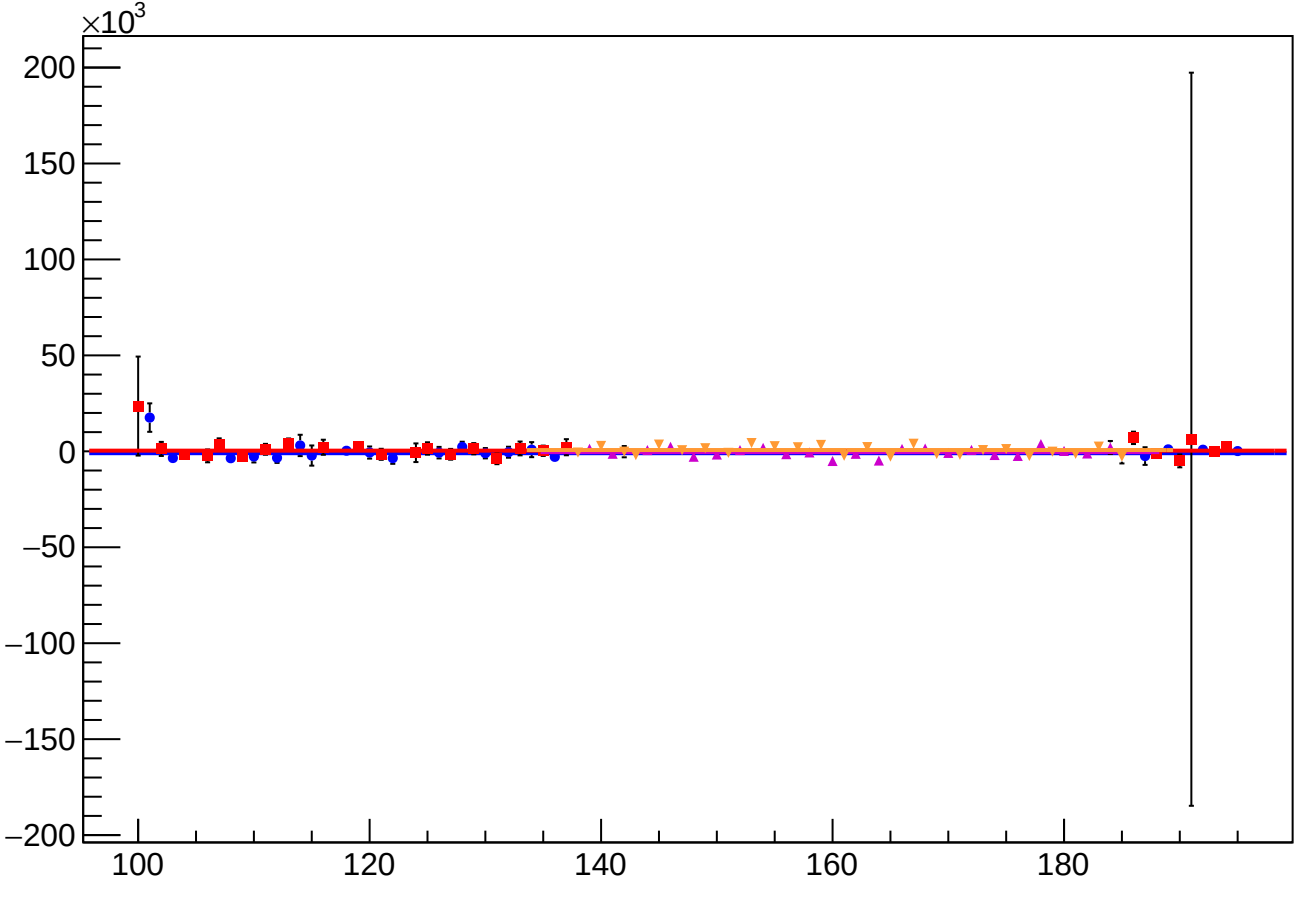
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 3899.160+/-0.648 χ^2/NDF: 4838122.9/44

In: 4112.344+/-0.565 χ^2/NDF:3021586.9/42

Out: 3934.918+/-0.529 χ^2/NDF:4582578.7/49

All: 4017.775+/-0.386 χ^2/NDF: 7656635.3/92



Right In: -977.115+/-626.994 χ^2/NDF: 15.8/19

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 350.260+/-593.869 χ^2/NDF: 19.2/24

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

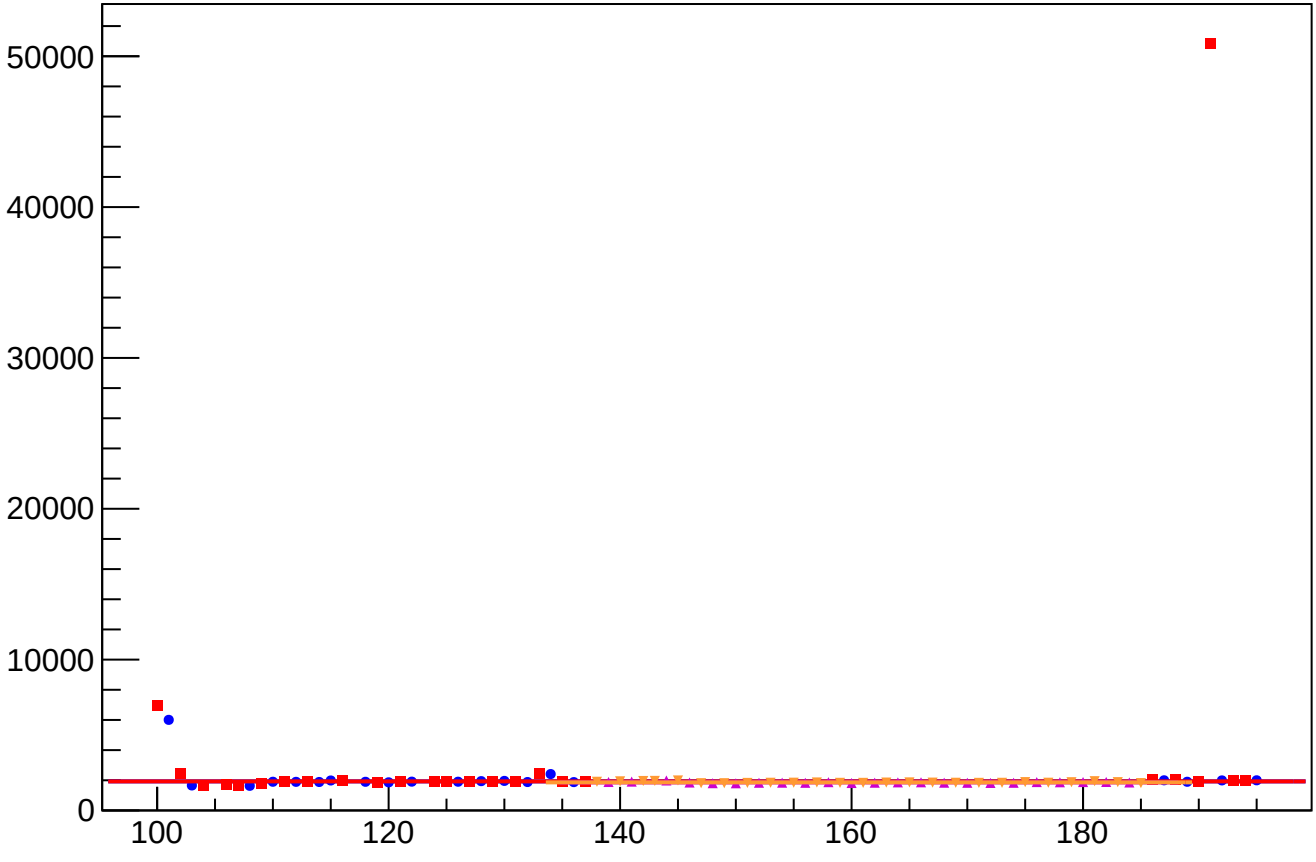
Right: -277.439+/-431.164 χ^2/NDF: 37.4/44

In: -594.209+/-356.771 χ^2/NDF:40.0/42

Out: 554.146+/-344.570 χ^2/NDF:46.4/49

All: -0.061+/-247.849 χ^2/NDF: 91.8/92

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1928.507+/-0.443 χ^2/NDF: 702031.5/19

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1927.664+/-0.420 χ^2/NDF: 380034.7/24

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

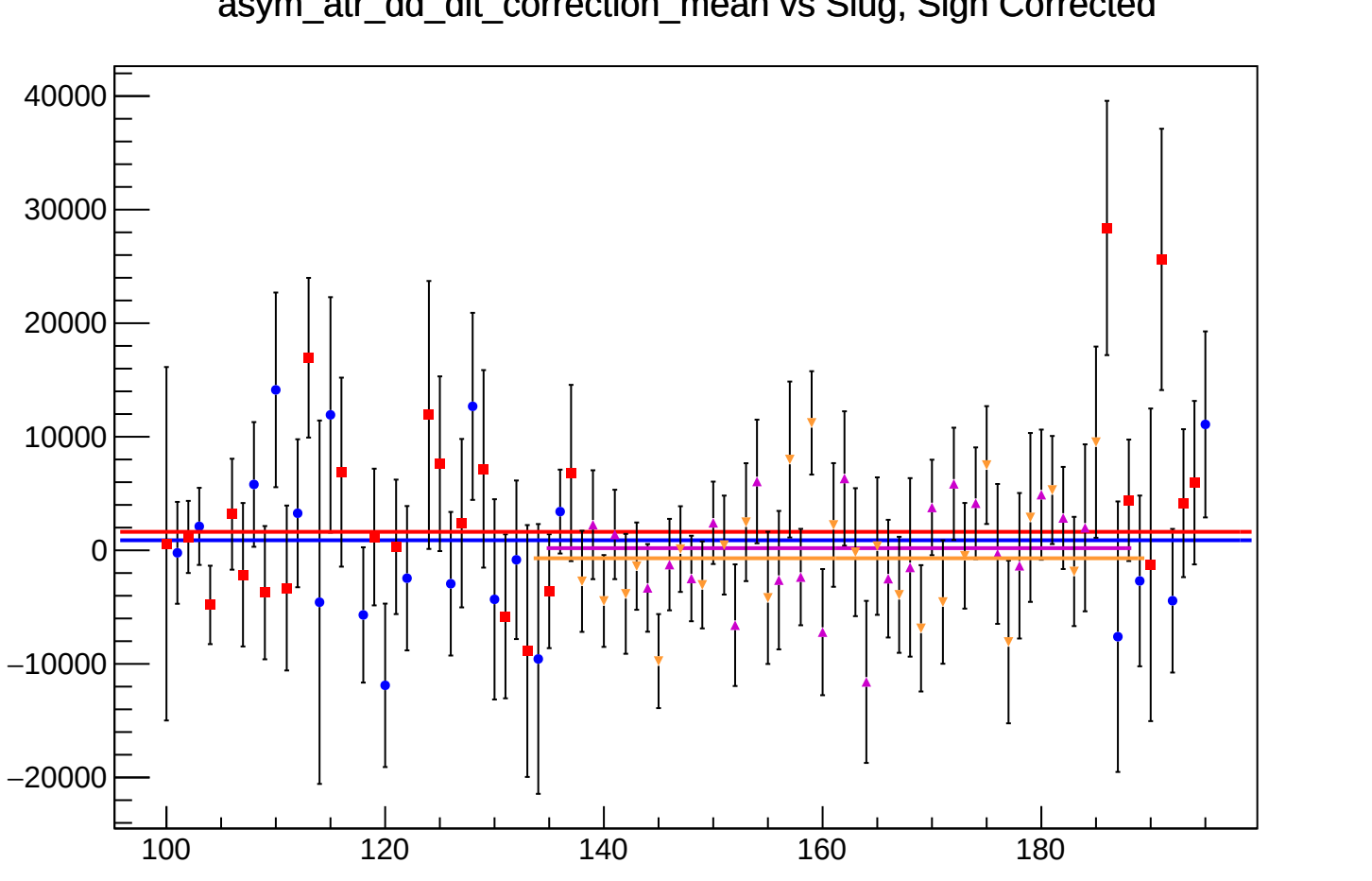
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1928.062+/-0.305 χ^2/NDF: 1082068.1/44

In: 1880.599+/-0.252 χ^2/NDF:735679.9/42

Out: 1883.949+/-0.244 χ^2/NDF:422418.9/49

All: 1882.333+/-0.175 χ^2/NDF: 1158190.0/92



Right In: 886.239+/-1399.614 χ^2/NDF: 16.5/19

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1628.641+/-1259.056 χ^2/NDF: 26.6/24

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

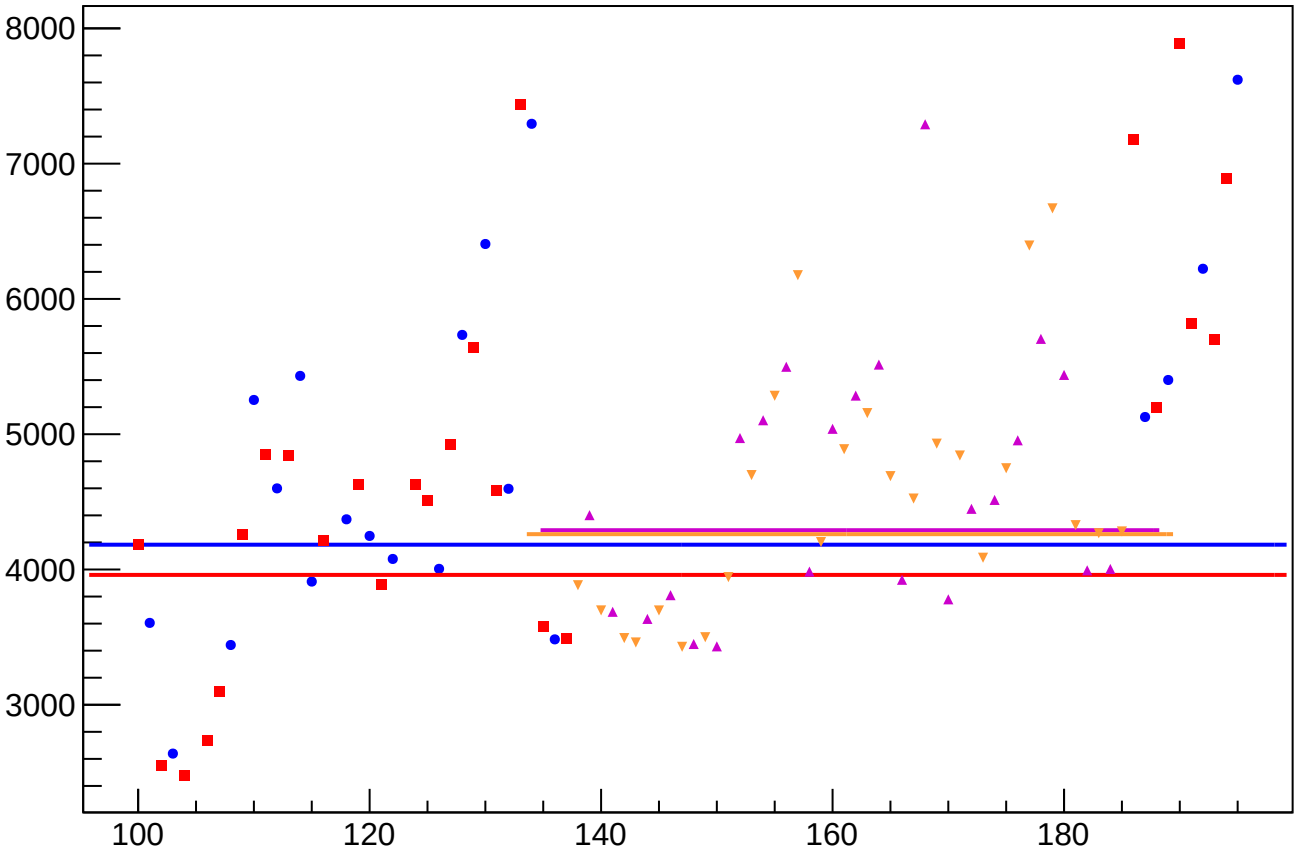
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1296.579+/-936.047 χ^2/NDF: 43.3/44

In: 433.894+/-825.624 χ^2/NDF:31.8/42

Out: 190.771+/-778.249 χ^2/NDF:54.1/49

All: 305.158+/-566.313 χ^2/NDF: 85.9/92



Right In: 4183.292+/-0.990 χ^2/NDF: 1580050.8/19

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 3960.007+/-0.890 χ^2/NDF: 2335101.6/24

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

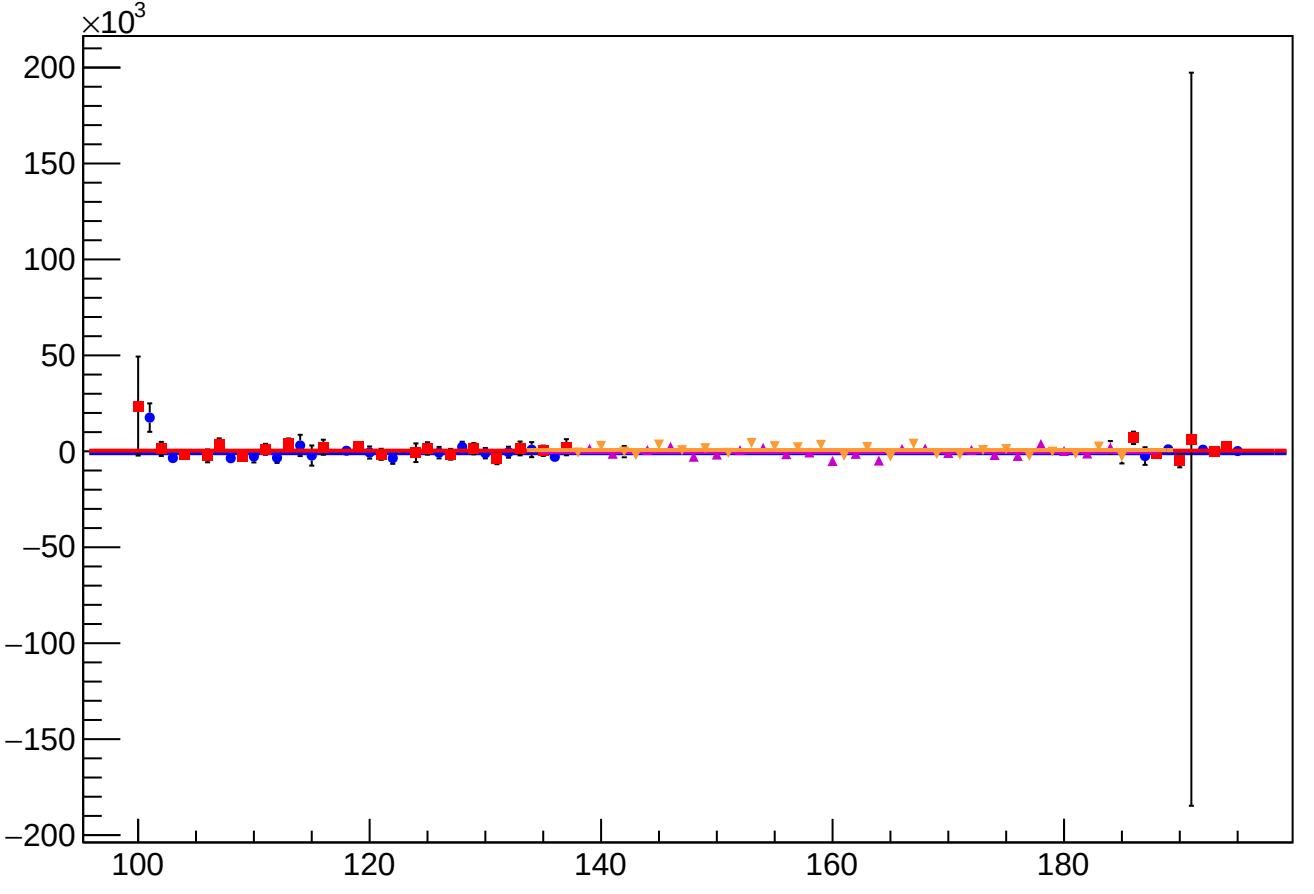
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4059.878+/-0.662 χ^2/NDF: 3943286.7/44

In: 4253.128+/-0.584 χ^2/NDF:2801652.2/42

Out: 4146.075+/-0.550 χ^2/NDF:3596351.1/49

All: 4196.442+/-0.400 χ^2/NDF: 6415808.0/92



Right In: -977.118+/-626.994 χ^2/NDF: 15.8/19

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 350.255+/-593.869 χ^2/NDF: 19.2/24

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

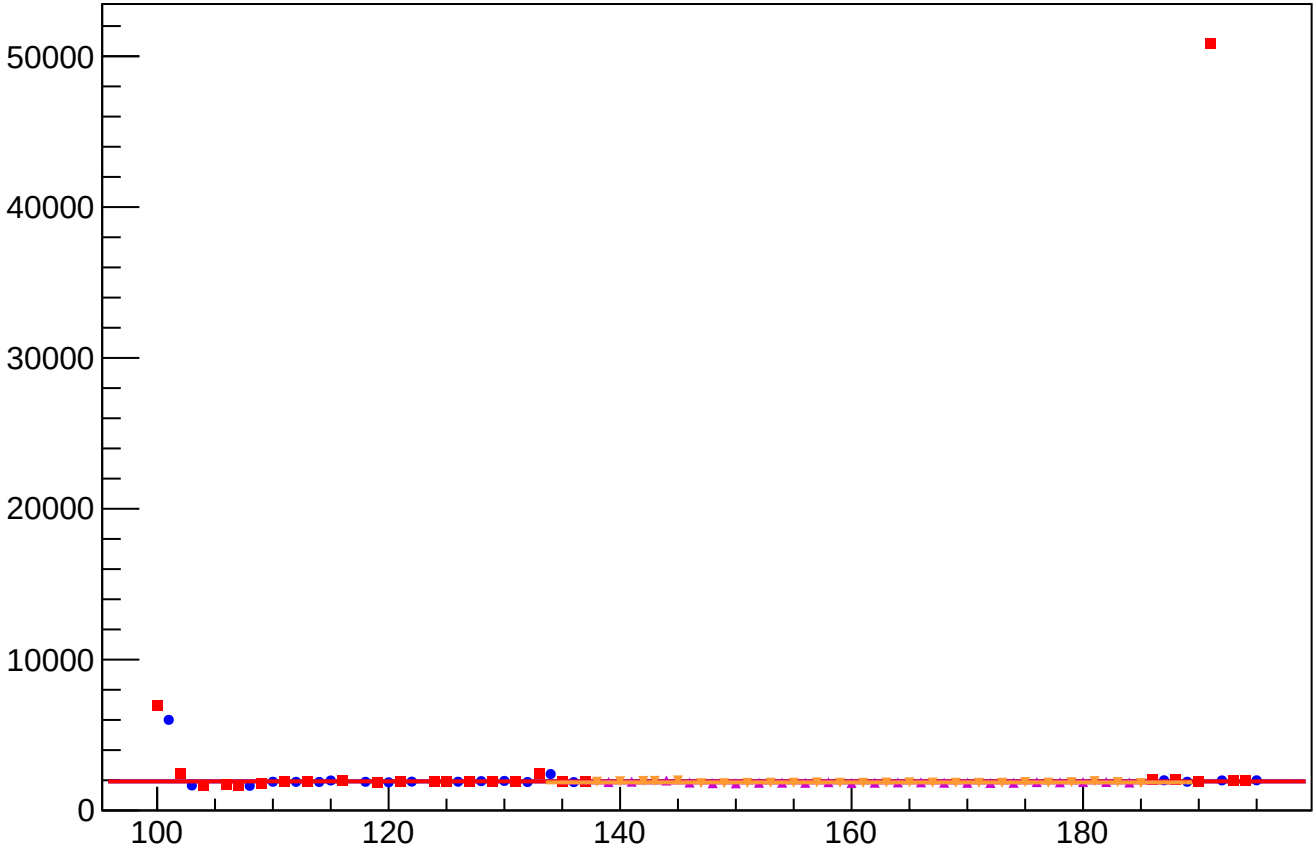
Right: -277.443+/-431.164 χ^2/NDF: 37.4/44

In: -594.210+/-356.771 χ^2/NDF:40.0/42

Out: 554.148+/-344.570 χ^2/NDF:46.4/49

All: -0.060+/-247.849 χ^2/NDF: 91.8/92

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1928.507+/-0.443 χ^2/NDF: 702031.4/19

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1927.664+/-0.420 χ^2/NDF: 380034.8/24

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

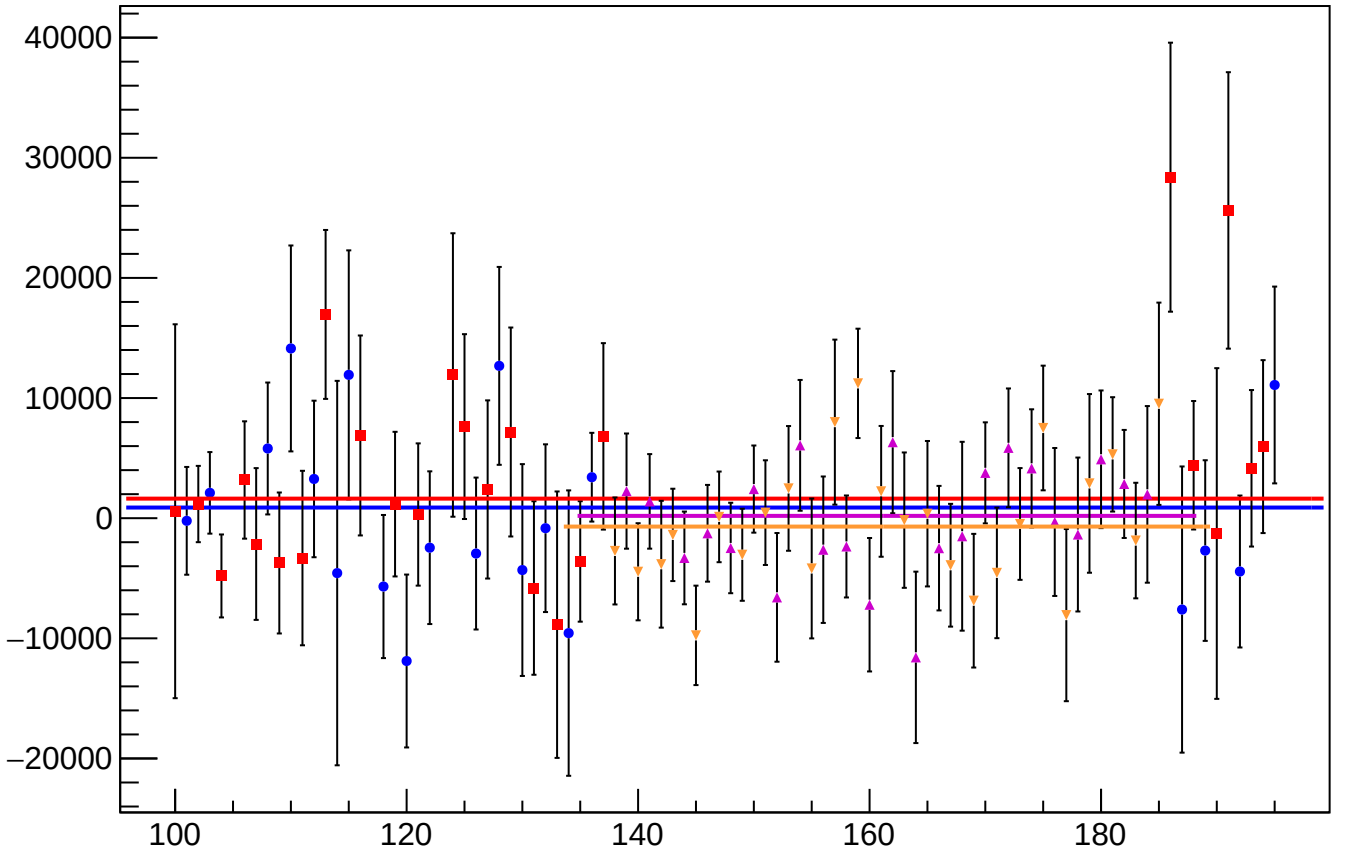
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1928.062+/-0.305 χ^2/NDF: 1082068.1/44

In: 1880.600+/-0.252 χ^2/NDF:735679.3/42

Out: 1883.949+/-0.244 χ^2/NDF:422418.7/49

All: 1882.333+/-0.175 χ^2/NDF: 1158189.2/92



Right In: 886.225+/-1399.613 χ^2/NDF: 16.5/19

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1628.639+/-1259.055 χ^2/NDF: 26.6/24

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

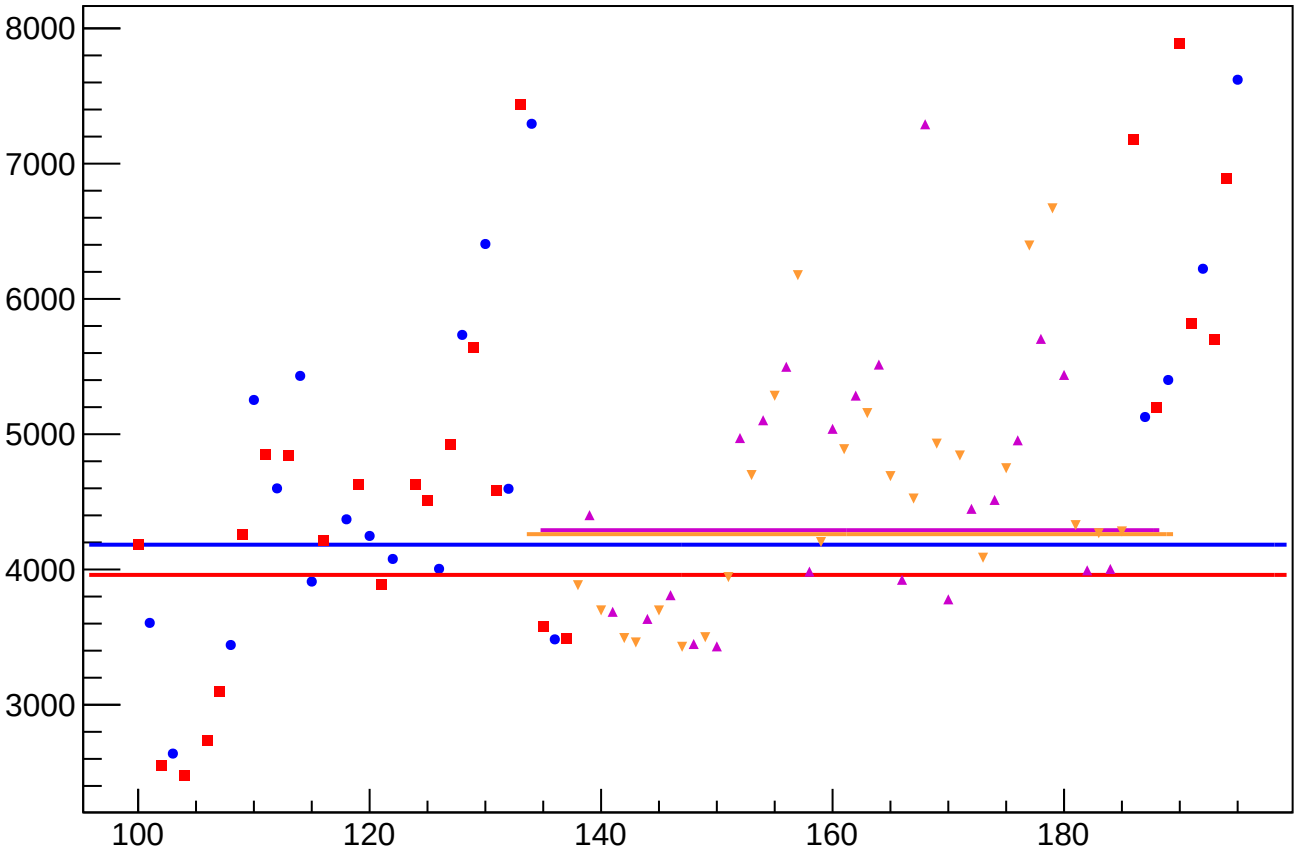
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 1296.572+/-936.047 χ^2/NDF: 43.3/44

In: 433.892+/-825.625 χ^2/NDF:31.8/42

Out: 190.774+/-778.250 χ^2/NDF:54.1/49

All: 305.158+/-566.314 χ^2/NDF: 85.9/92



Right In: 4183.289+/-0.990 χ^2/NDF: 1580046.0/19

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 3960.004+/-0.890 χ^2/NDF: 2335094.5/24

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

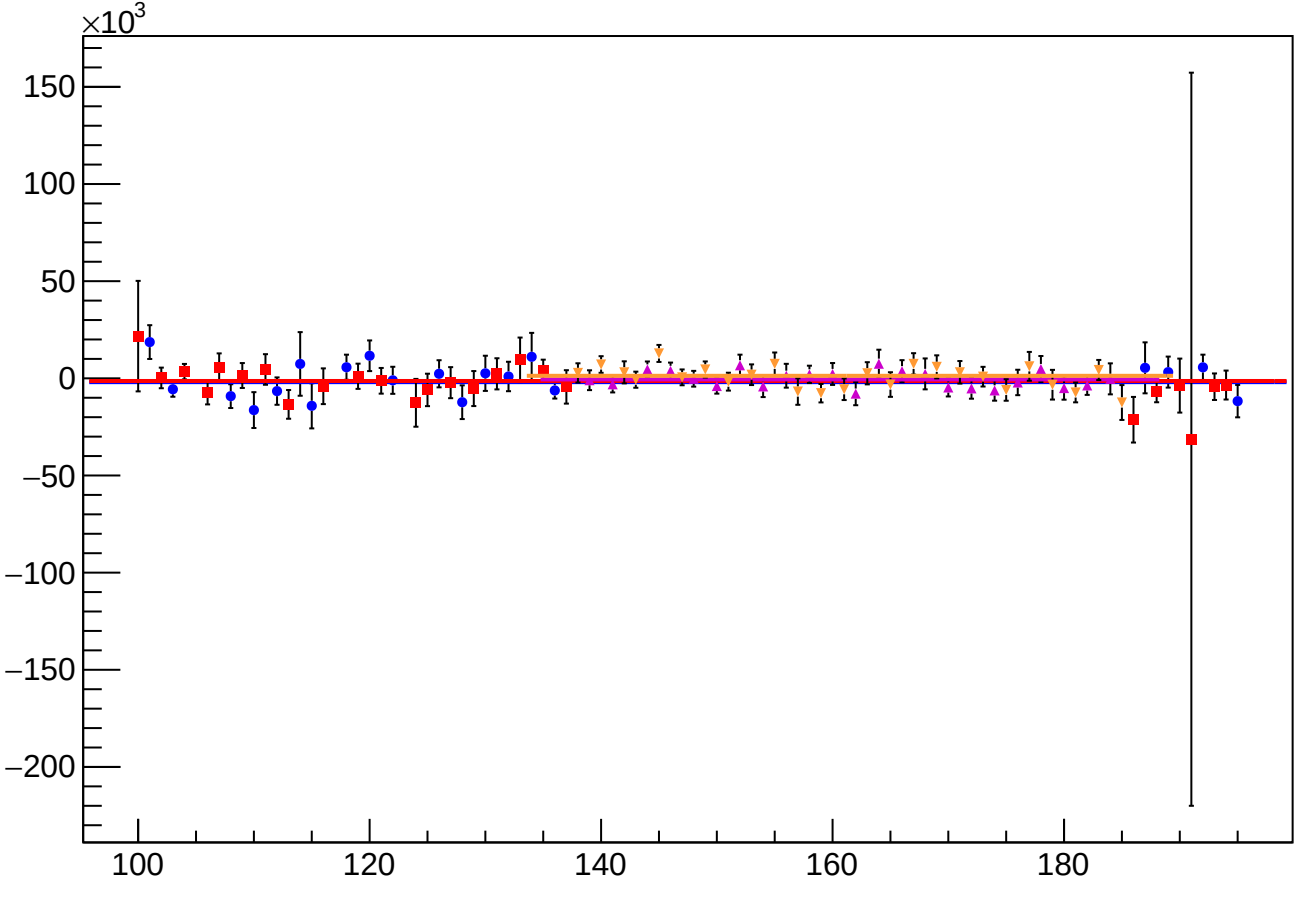
Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

Right: 4059.875+/-0.662 χ^2/NDF: 3943275.0/44

In: 4253.131+/-0.584 χ^2/NDF:2801654.5/42

Out: 4146.078+/-0.550 χ^2/NDF:3596351.5/49

All: 4196.445+/-0.400 χ^2/NDF: 6415810.8/92



Right In: -1964.271+/-1585.836 χ^2/NDF: 24.4/19

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1366.035+/-1470.787 χ^2/NDF: 15.2/24

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

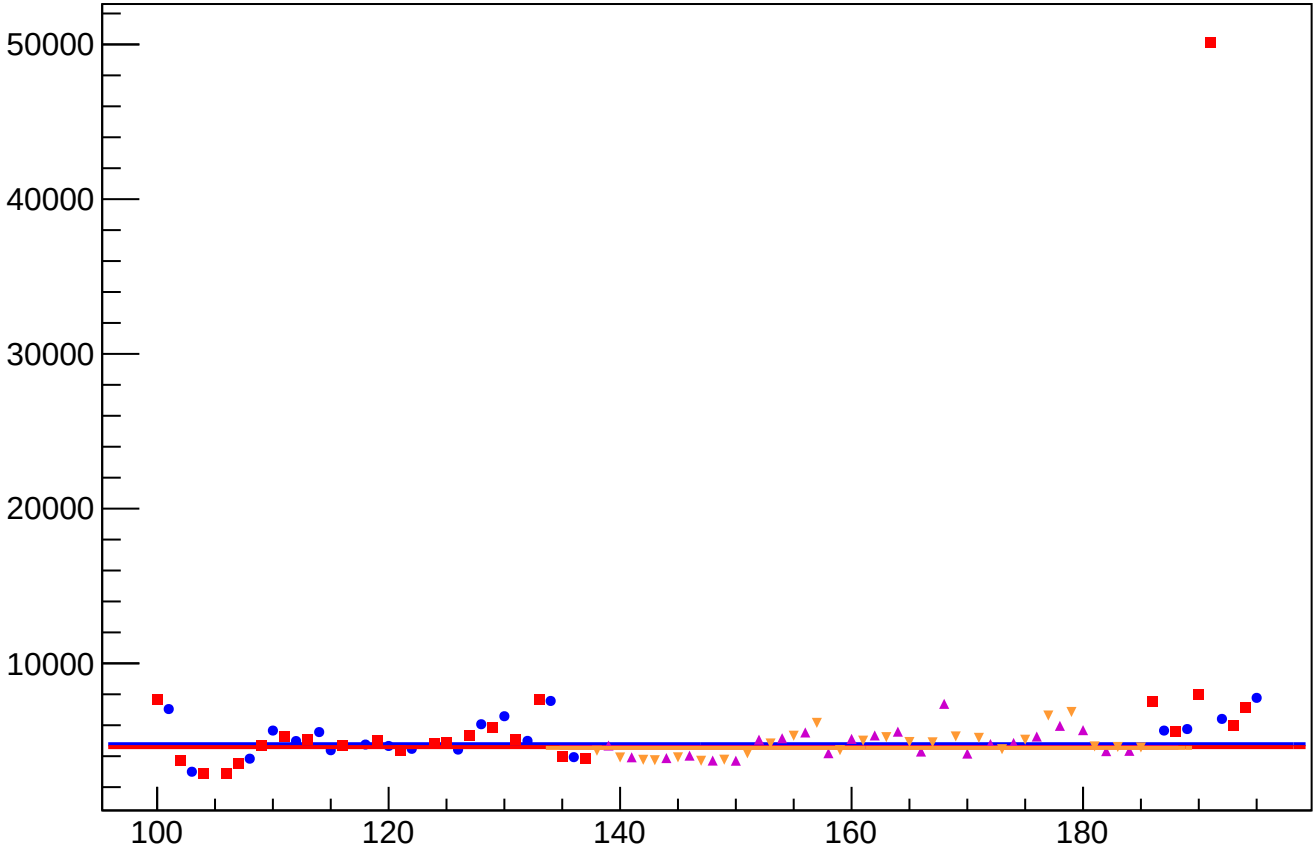
Right: -1642.668+/-1078.385 χ^2/NDF: 39.7/44

In: -1017.354+/-893.853 χ^2/NDF:39.4/42

Out: 399.378+/-854.335 χ^2/NDF:45.9/49

All: -276.978+/-617.604 χ^2/NDF: 86.5/92

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4774.108+/-1.121 χ^2/NDF: 1377017.2/19

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4586.179+/-1.033 χ^2/NDF: 1706347.8/24

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

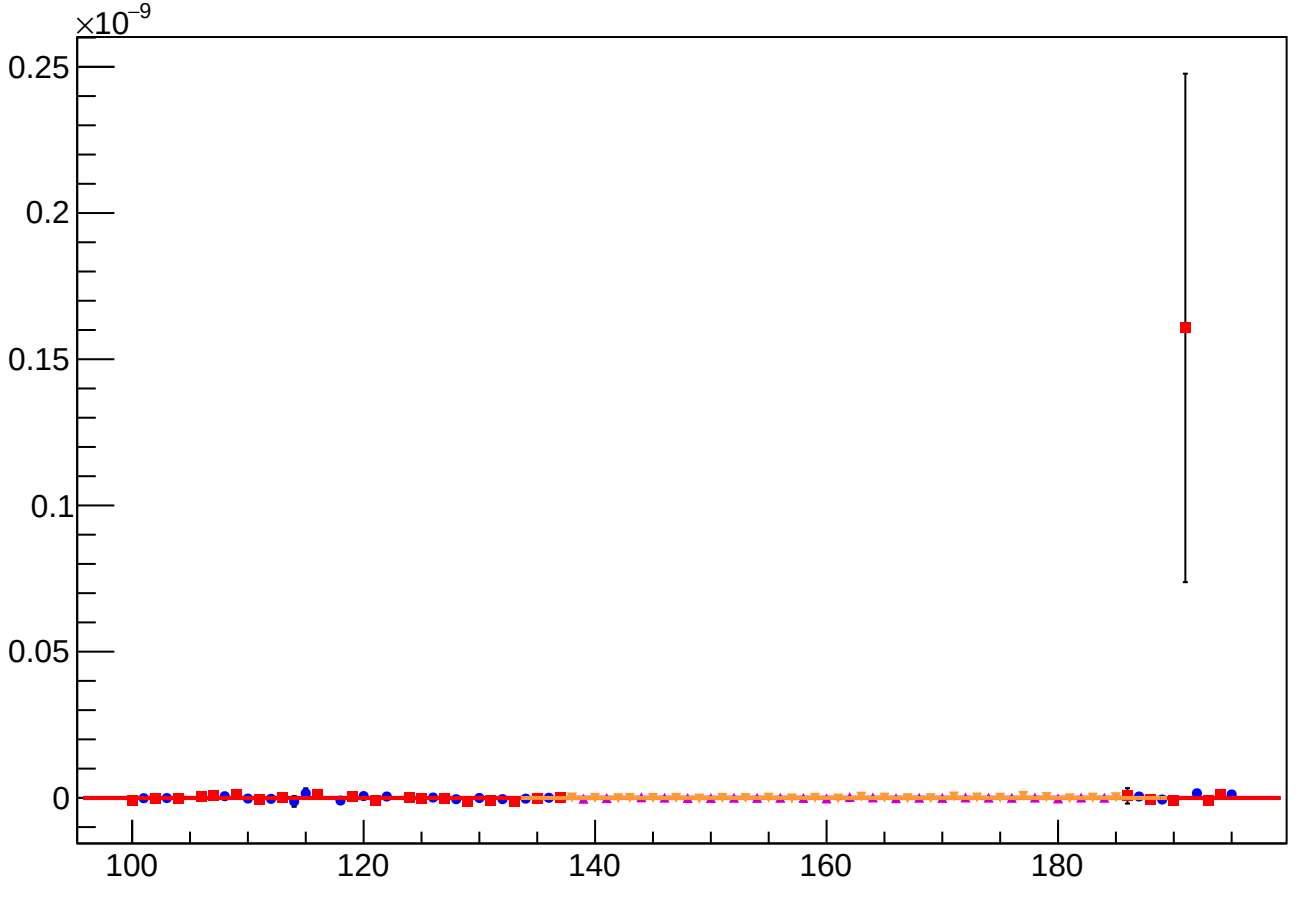
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4672.451+/-0.760 χ^2/NDF: 3098558.2/44

In: 4628.367+/-0.632 χ^2/NDF:2381975.7/42

Out: 4554.358+/-0.603 χ^2/NDF:2700691.8/49

All: 4589.606+/-0.436 χ^2/NDF: 5089848.4/92



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/24

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

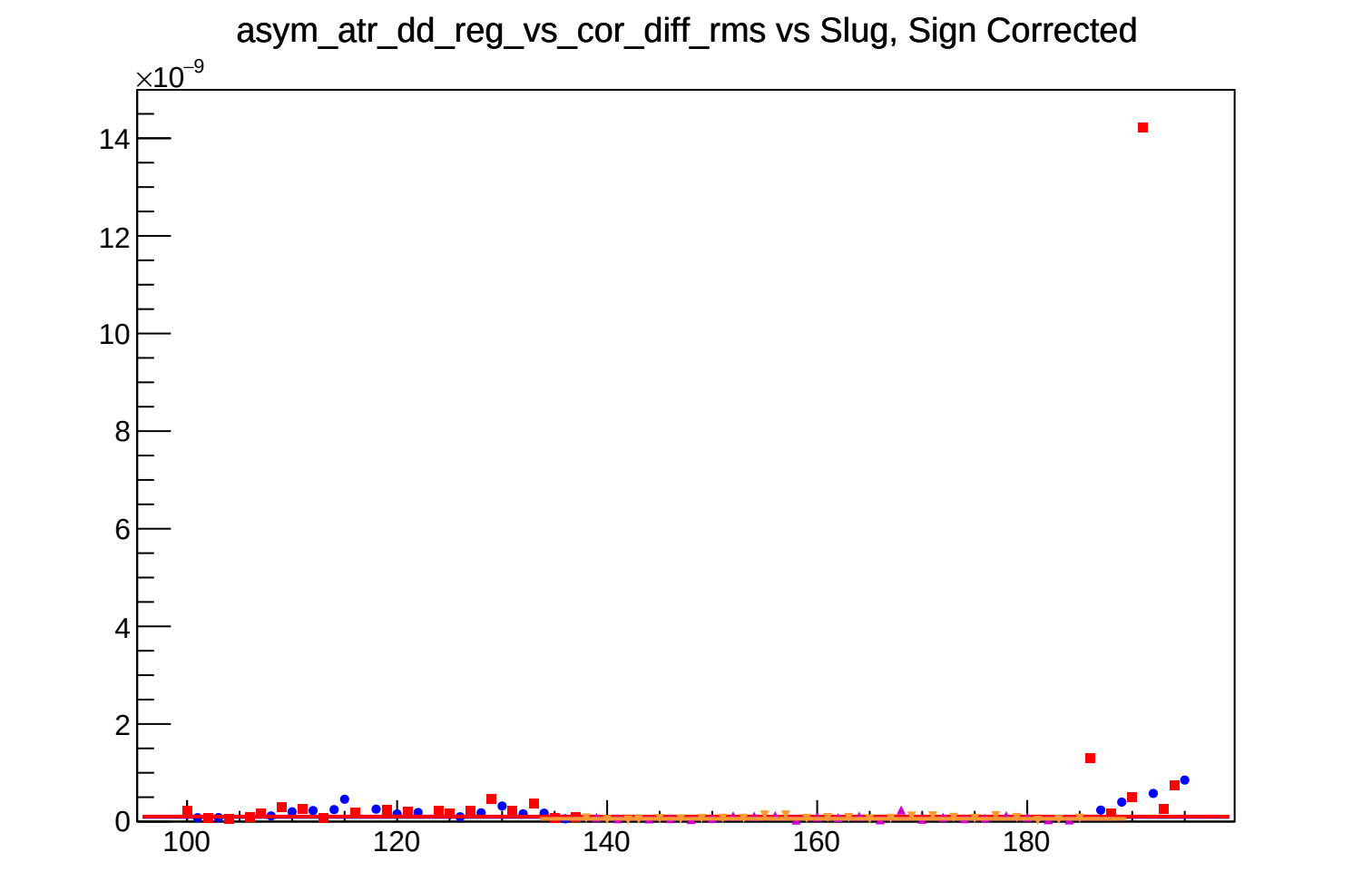
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 47.9/44

In: 0.000+/-0.000 χ^2/NDF:37.9/42

Out: -0.000+/-0.000 χ^2/NDF:68.4/49

All: -0.000+/-0.000 χ^2/NDF: 108.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 2656850.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3274279.4/24

Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

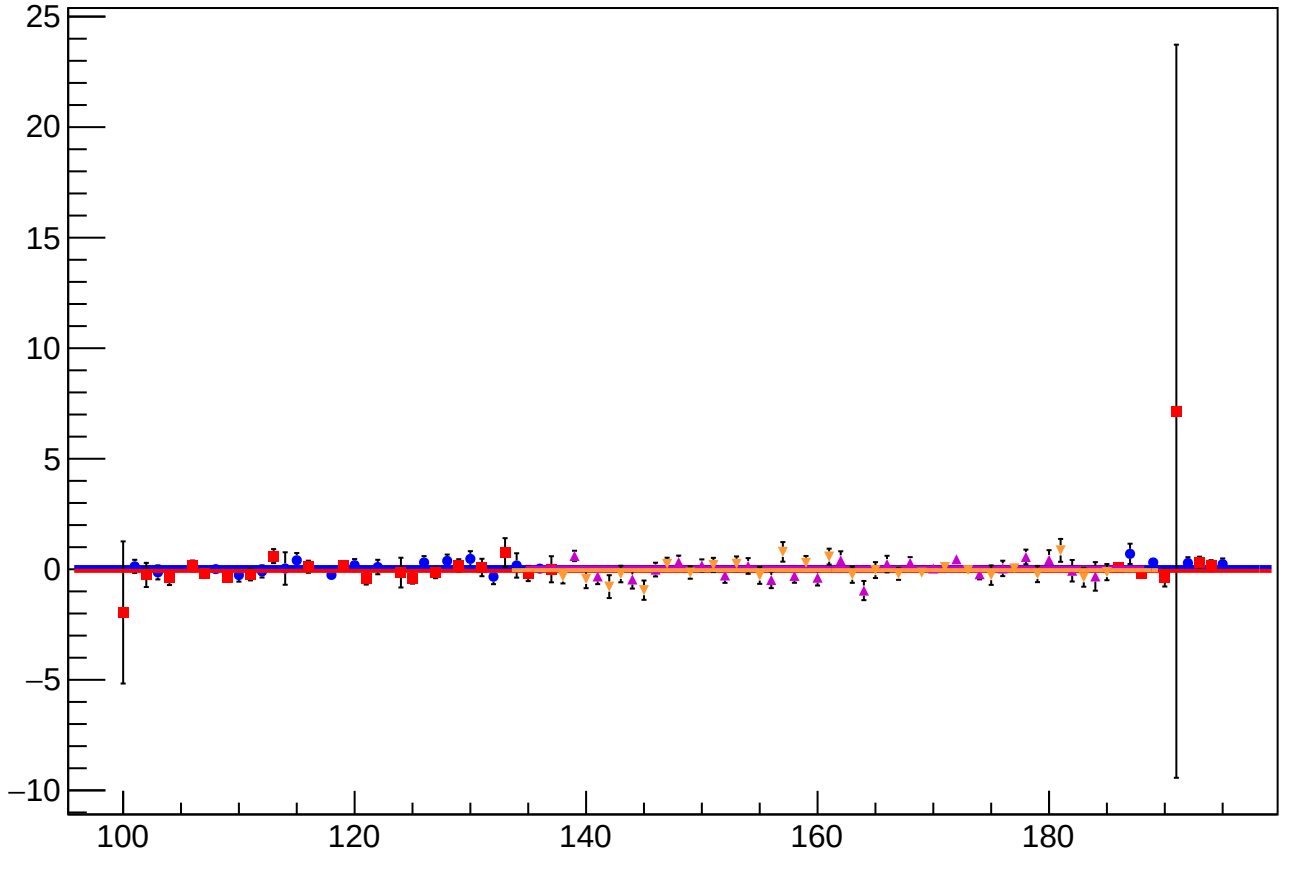
Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

Right: 0.000+/-0.000 χ^2/NDF: 5951616.0/44

In: 0.000+/-0.000 χ^2/NDF:5350468.7/42

Out: 0.000+/-0.000 χ^2/NDF:6052449.9/49

All: 0.000+/-0.000 χ^2/NDF: 11403599.9/92



Right In: 0.101+/-0.062 χ^2/NDF: 15.0/19

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.072+/-0.055 χ^2/NDF: 22.9/24

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

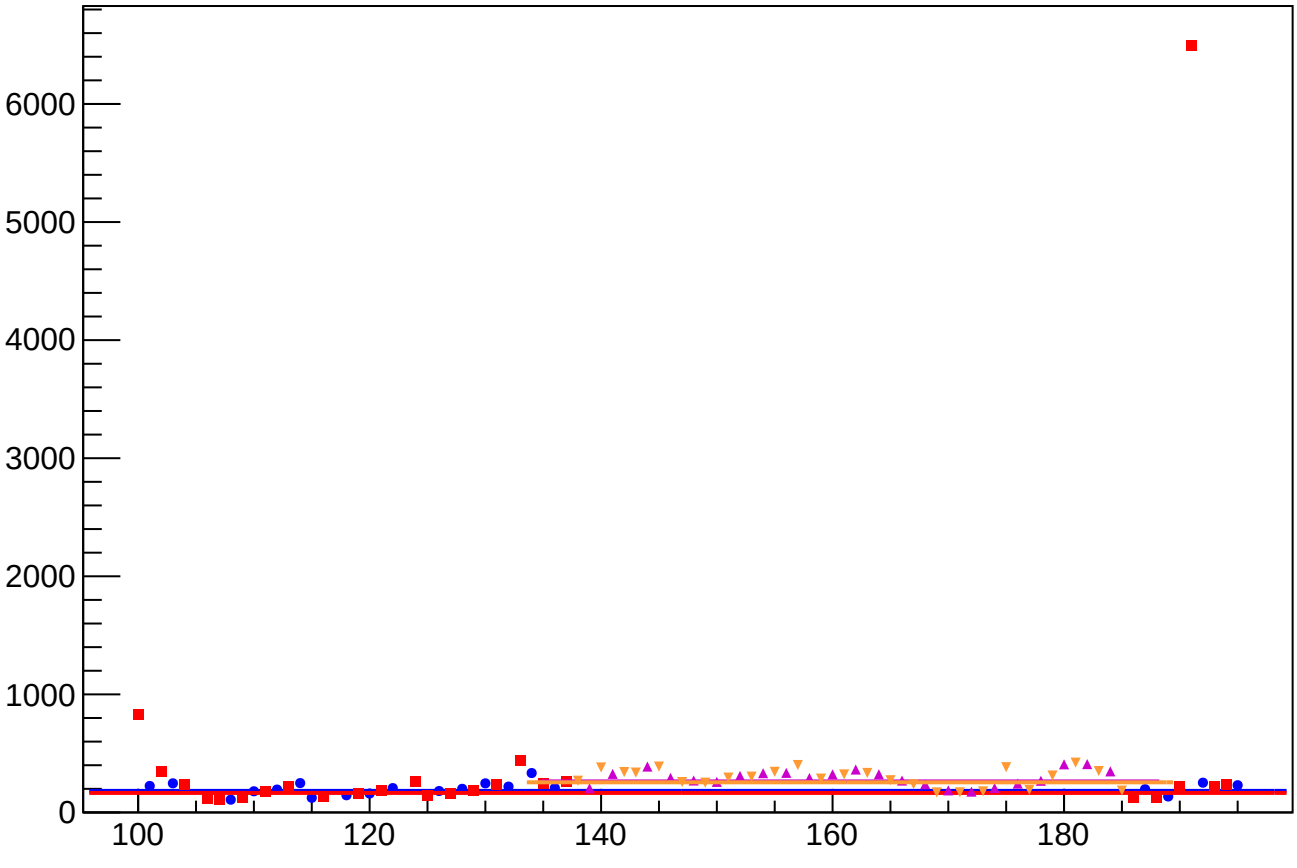
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: 0.004+/-0.041 χ^2/NDF: 42.3/44

In: 0.090+/-0.045 χ^2/NDF:46.1/42

Out: -0.057+/-0.041 χ^2/NDF:47.5/49

All: 0.010+/-0.030 χ^2/NDF: 99.5/92



Right In: 182.622+/-0.044 χ^2/NDF: 1253292.7/19

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.504+/-0.039 χ^2/NDF: 2217075.4/24

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

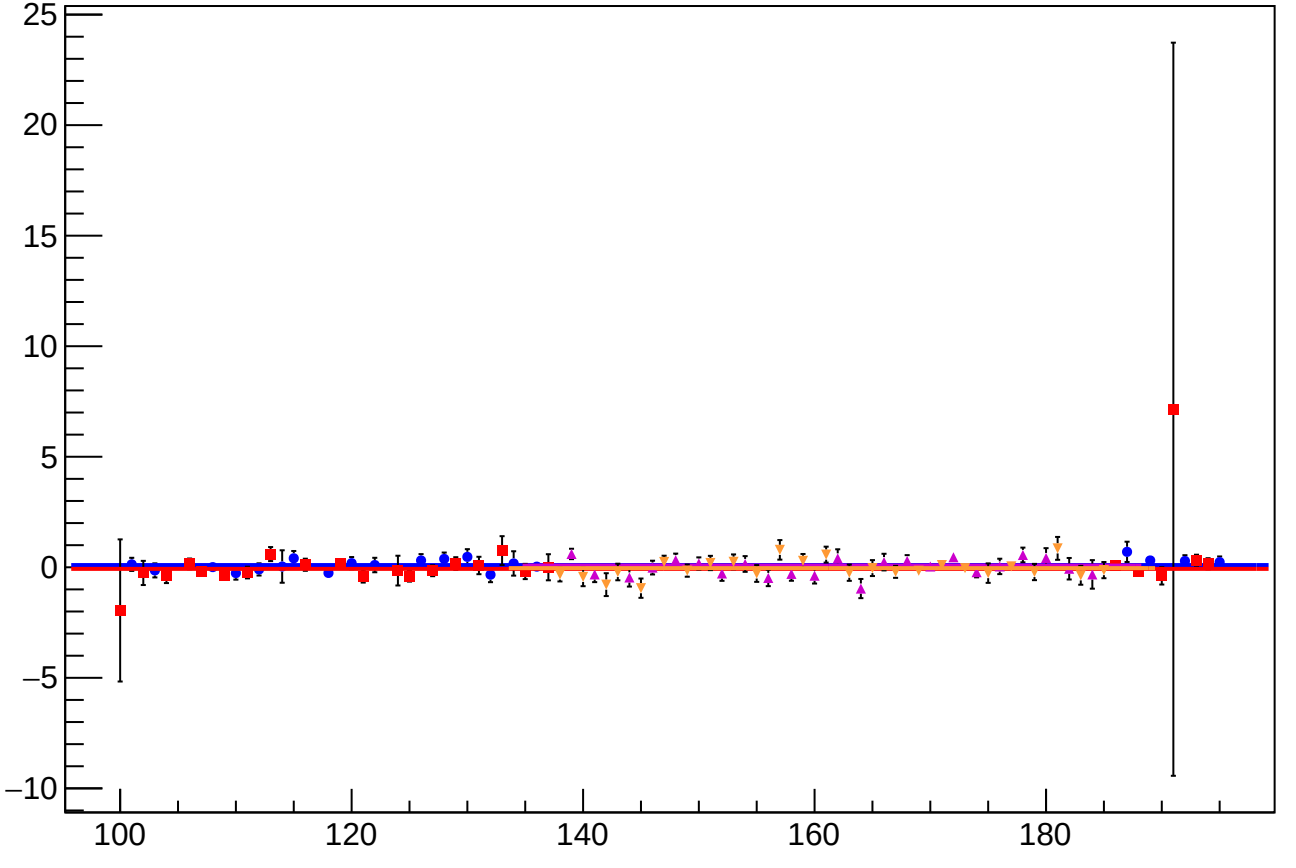
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 173.026+/-0.029 χ^2/NDF: 3556286.5/44

In: 220.778+/-0.032 χ^2/NDF:4878500.6/42

Out: 204.922+/-0.029 χ^2/NDF:7515960.0/49

All: 212.158+/-0.021 χ^2/NDF: 12530863.6/92



Right In: 0.101+/-0.062 χ^2/NDF: 15.0/19

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.072+/-0.055 χ^2/NDF: 22.9/24

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

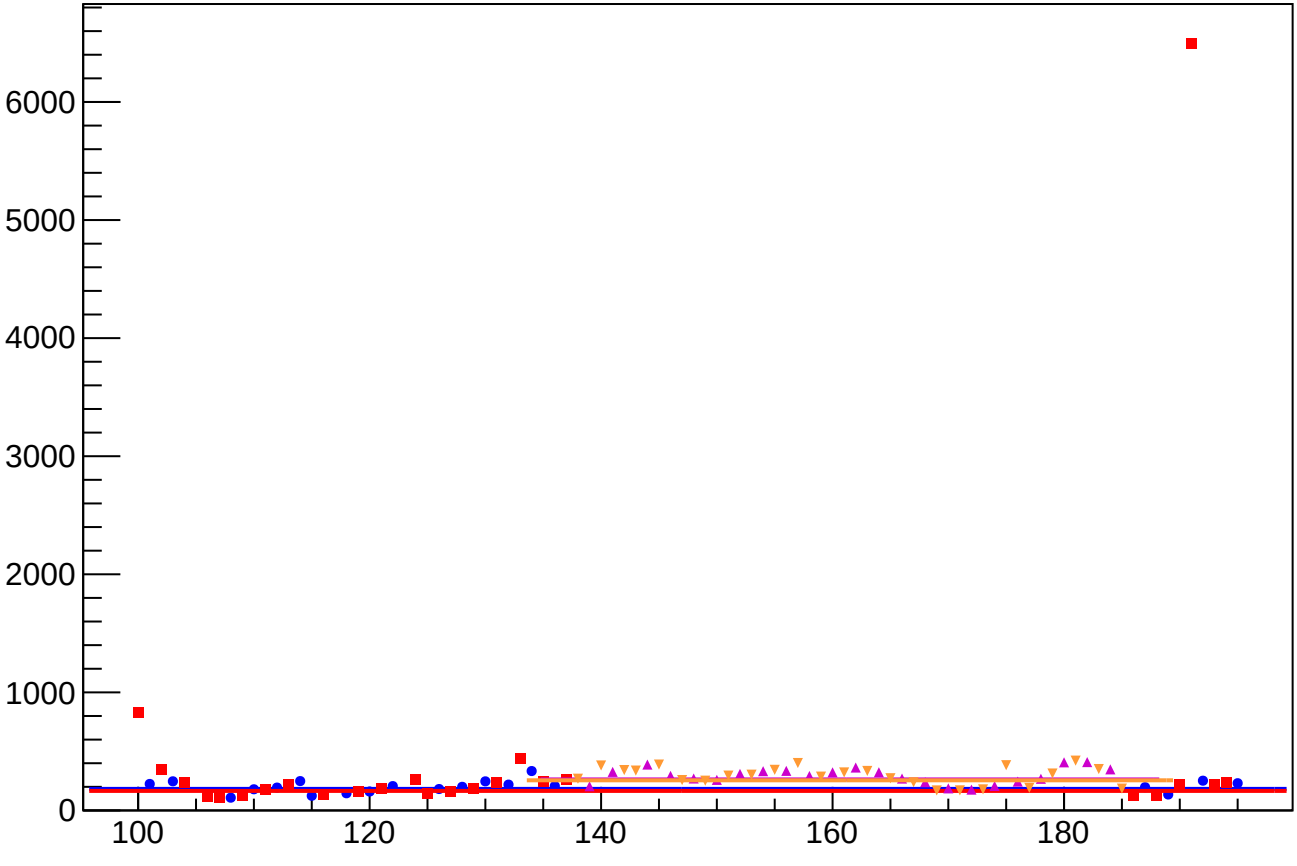
Right: 0.004+/-0.041 χ^2/NDF: 42.3/44

In: 0.090+/-0.045 χ^2/NDF:46.1/42

Out: -0.057+/-0.041 χ^2/NDF:47.5/49

All: 0.010+/-0.030 χ^2/NDF: 99.5/92

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.622+/-0.044 χ^2/NDF: 1253292.7/19

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.504+/-0.039 χ^2/NDF: 2217075.4/24

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

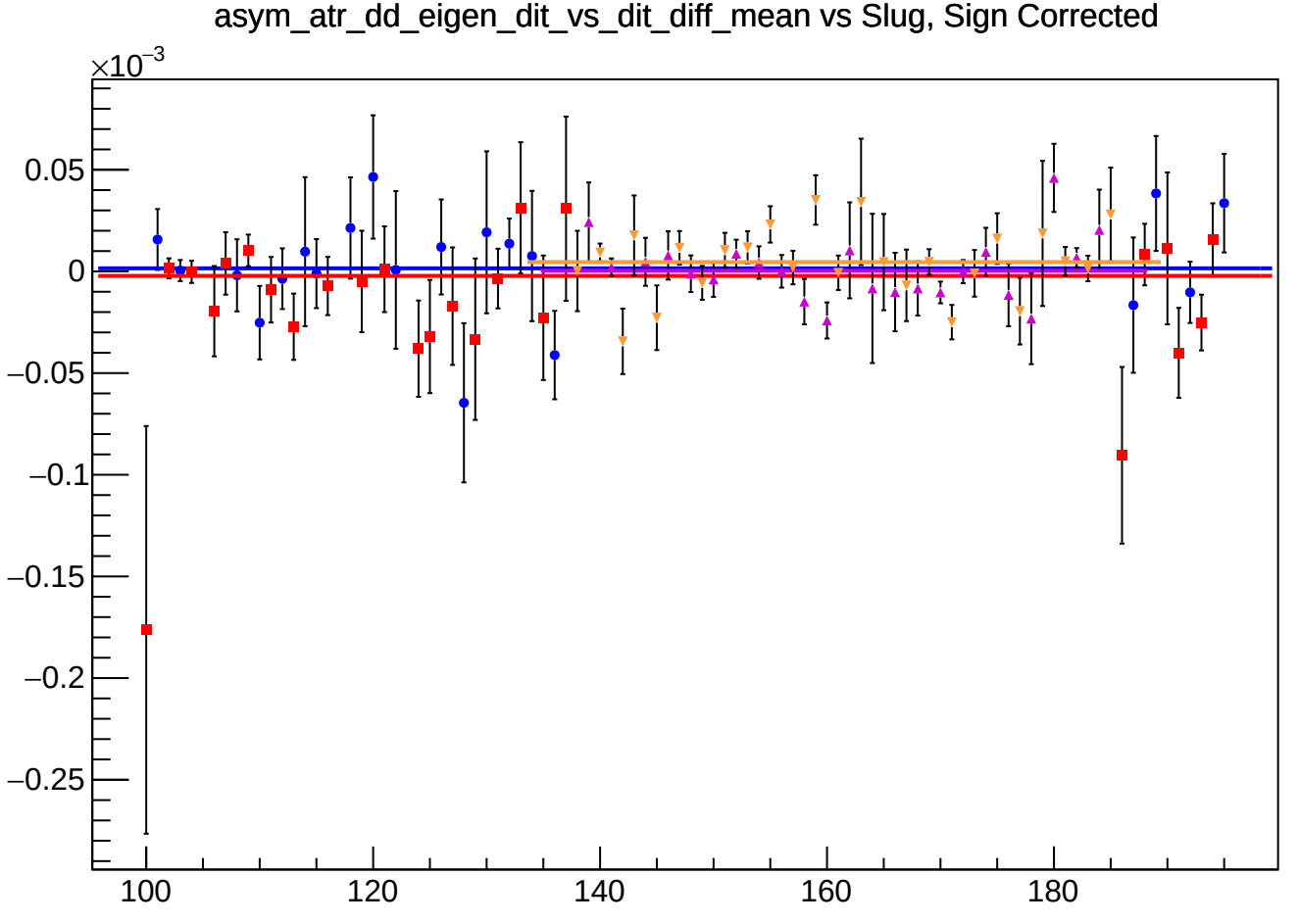
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 173.026+/-0.029 χ^2/NDF: 3556286.5/44

In: 220.778+/-0.032 χ^2/NDF:4878500.6/42

Out: 204.922+/-0.029 χ^2/NDF:7515960.0/49

All: 212.158+/-0.021 χ^2/NDF: 12530863.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/24

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

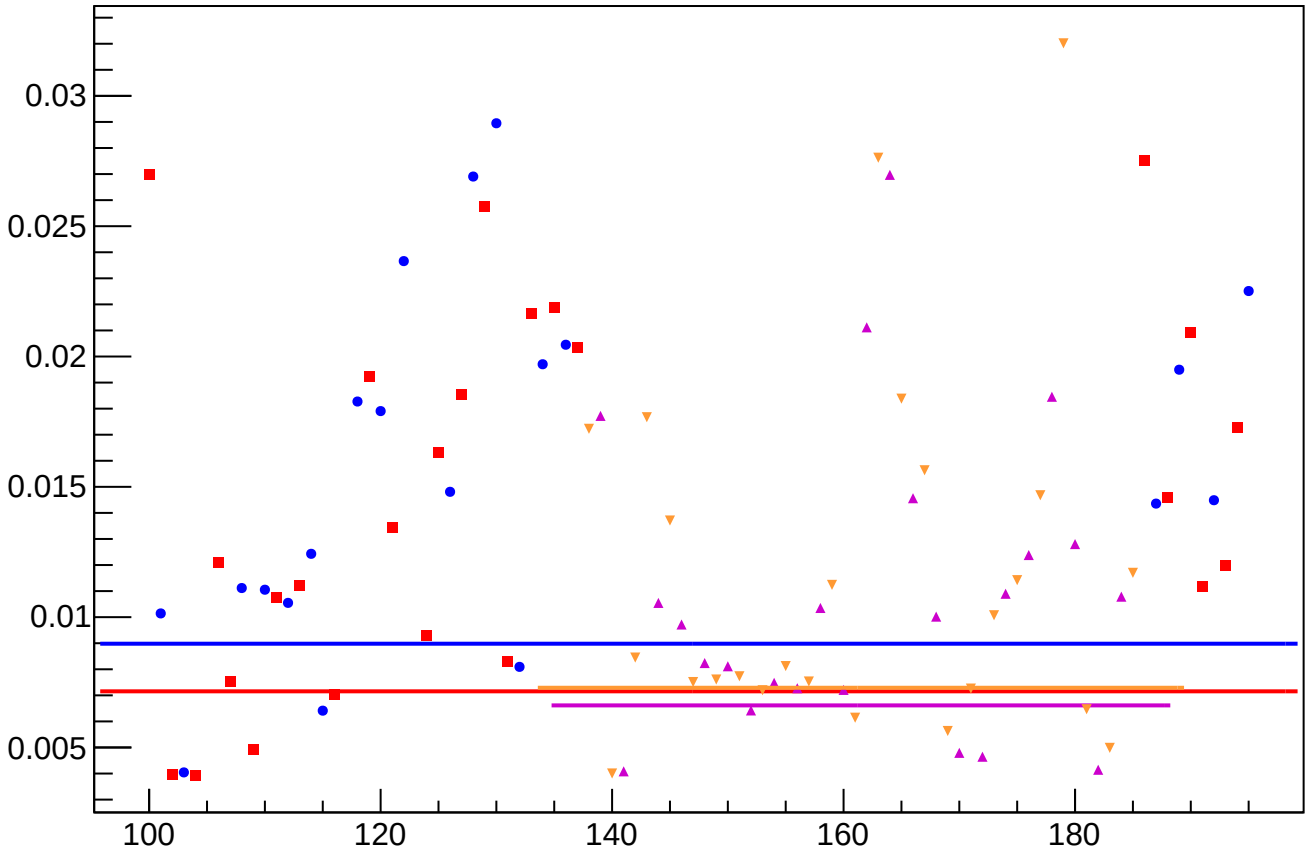
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 46.9/44

In: 0.000+/-0.000 χ^2/NDF:50.0/42

Out: 0.000+/-0.000 χ^2/NDF:75.3/49

All: 0.000+/-0.000 χ^2/NDF: 125.9/92



Right In: 0.009+/-0.000 χ^2/NDF: 5751275.0/19

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 6928507.5/24

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

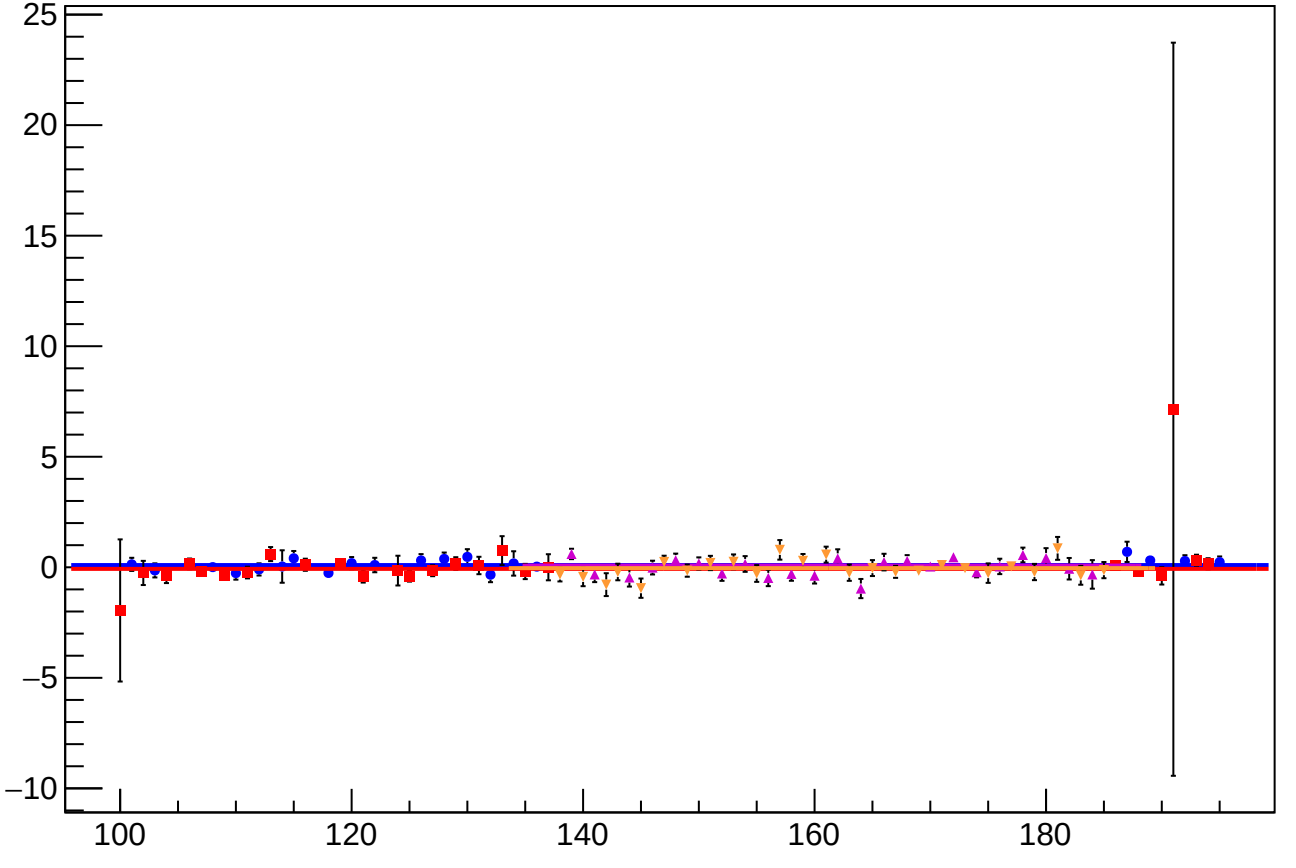
Right: 0.008+/-0.000 χ^2/NDF: 13023742.9/44

In: 0.007+/-0.000 χ^2/NDF:12879432.5/42

Out: 0.007+/-0.000 χ^2/NDF:13704067.3/49

All: 0.007+/-0.000 χ^2/NDF: 26591655.5/92

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.101+/-0.062 χ^2/NDF: 15.0/19

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.072+/-0.055 χ^2/NDF: 22.9/24

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

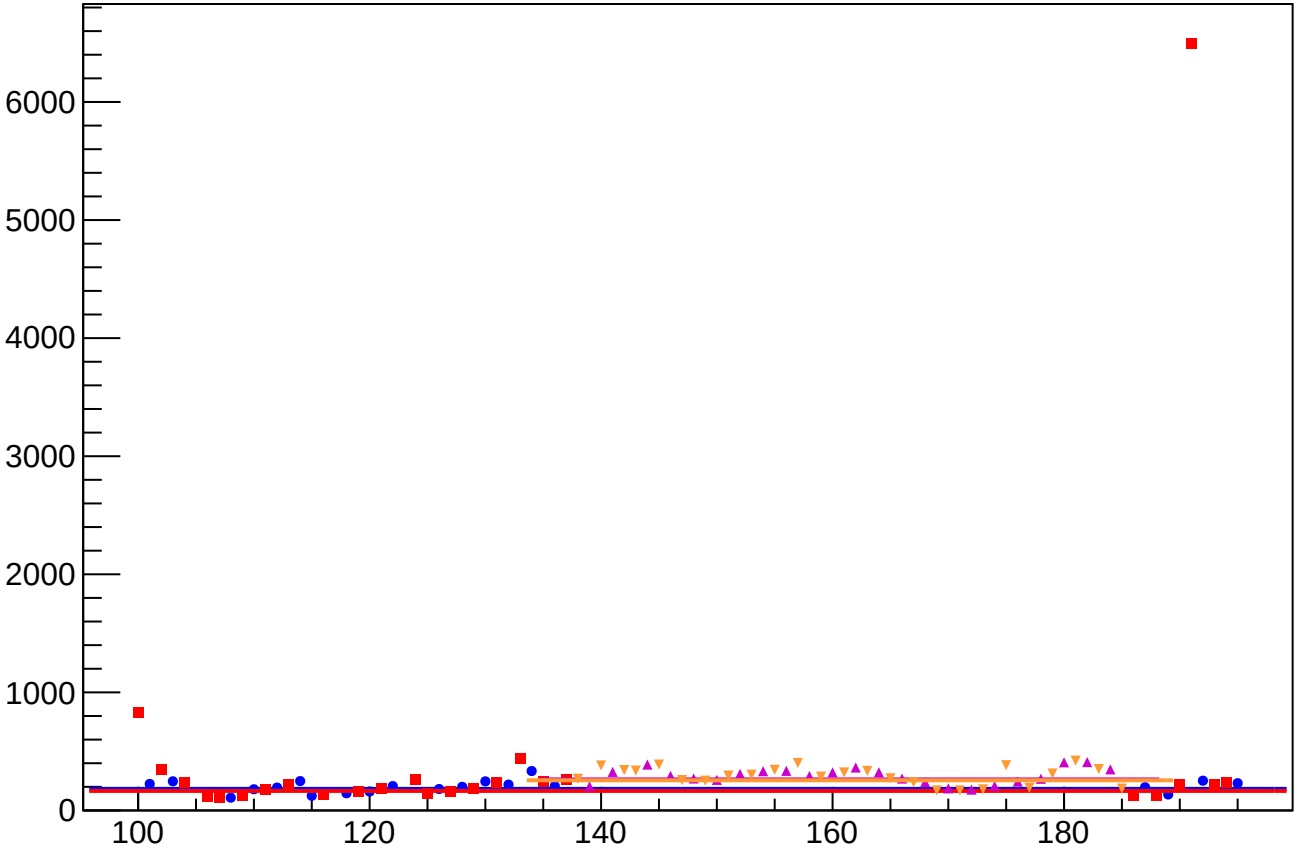
Right: 0.004+/-0.041 χ^2/NDF: 42.3/44

In: 0.090+/-0.045 χ^2/NDF:46.1/42

Out: -0.057+/-0.041 χ^2/NDF:47.5/49

All: 0.010+/-0.030 χ^2/NDF: 99.5/92

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.622+/-0.044 χ^2/NDF: 1253270.2/19

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 165.506+/-0.039 χ^2/NDF: 2217009.9/24

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

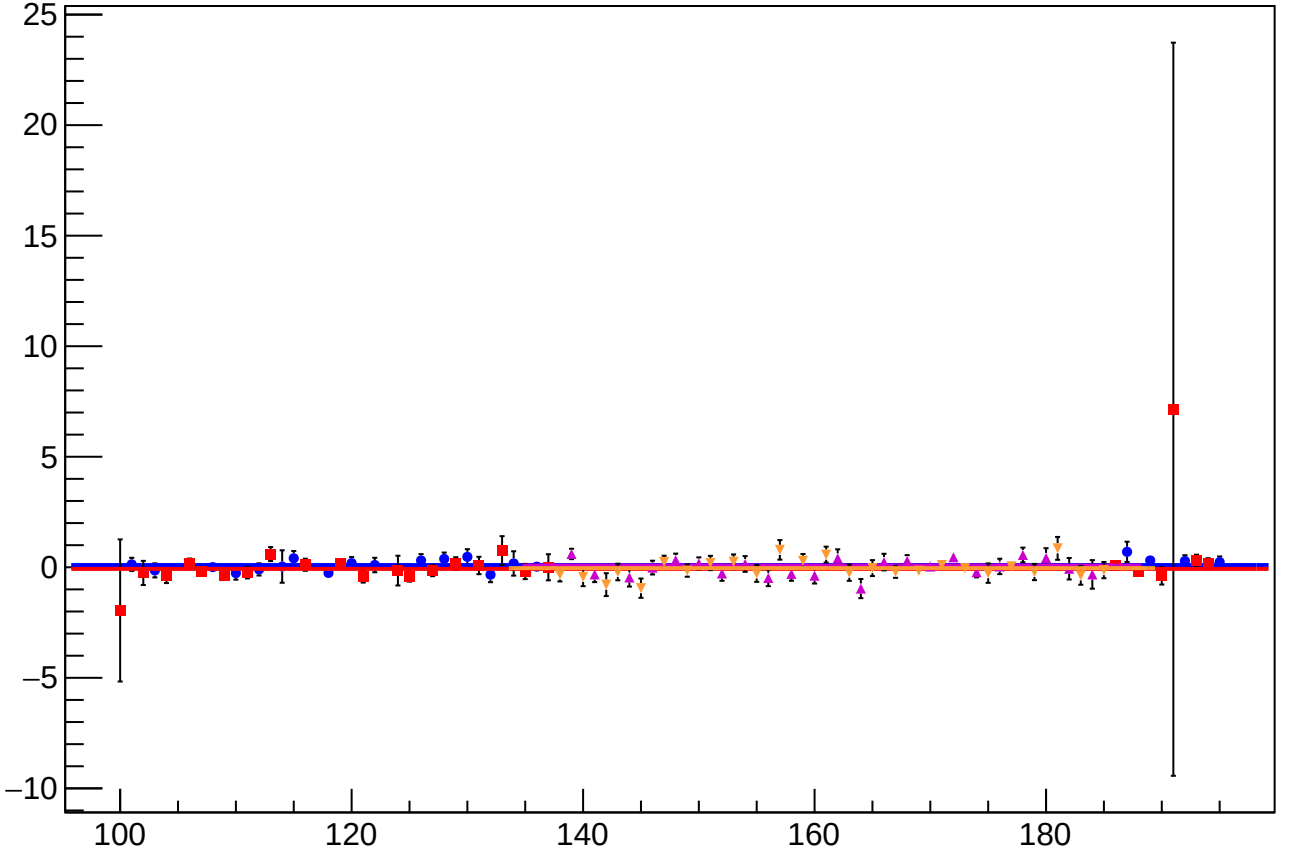
Right: 173.026+/-0.029 χ^2/NDF: 3556182.3/44

In: 220.778+/-0.032 χ^2/NDF:4878617.7/42

Out: 204.924+/-0.029 χ^2/NDF:7515997.4/49

All: 212.159+/-0.021 χ^2/NDF: 12531000.1/92

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.101+/-0.062 χ^2/NDF: 15.0/19

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.072+/-0.055 χ^2/NDF: 22.9/24

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

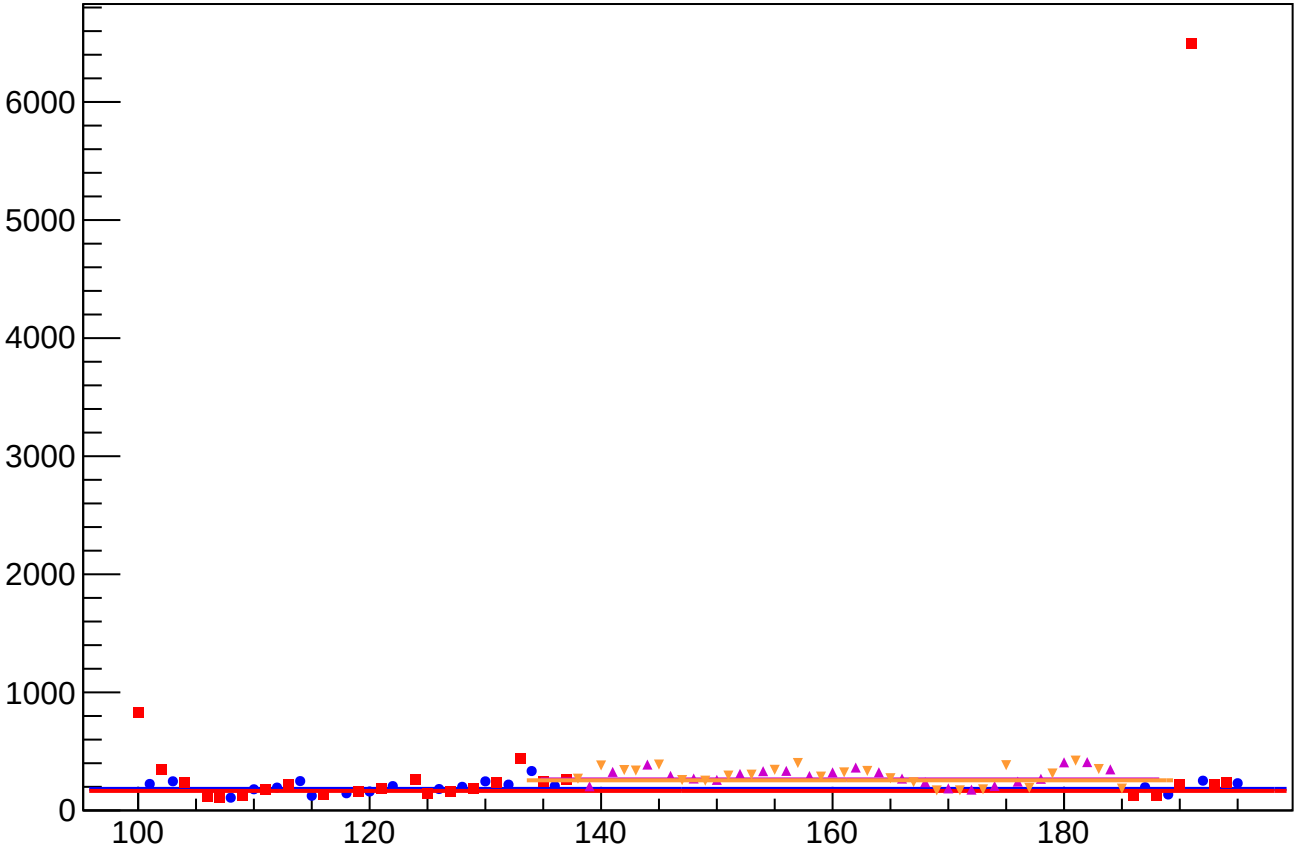
Right: 0.004+/-0.041 χ^2/NDF: 42.3/44

In: 0.090+/-0.045 χ^2/NDF:46.1/42

Out: -0.057+/-0.041 χ^2/NDF:47.5/49

All: 0.010+/-0.030 χ^2/NDF: 99.5/92

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.622+/-0.044 χ^2/NDF: 1253270.2/19

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 165.506+/-0.039 χ^2/NDF: 2217009.9/24

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

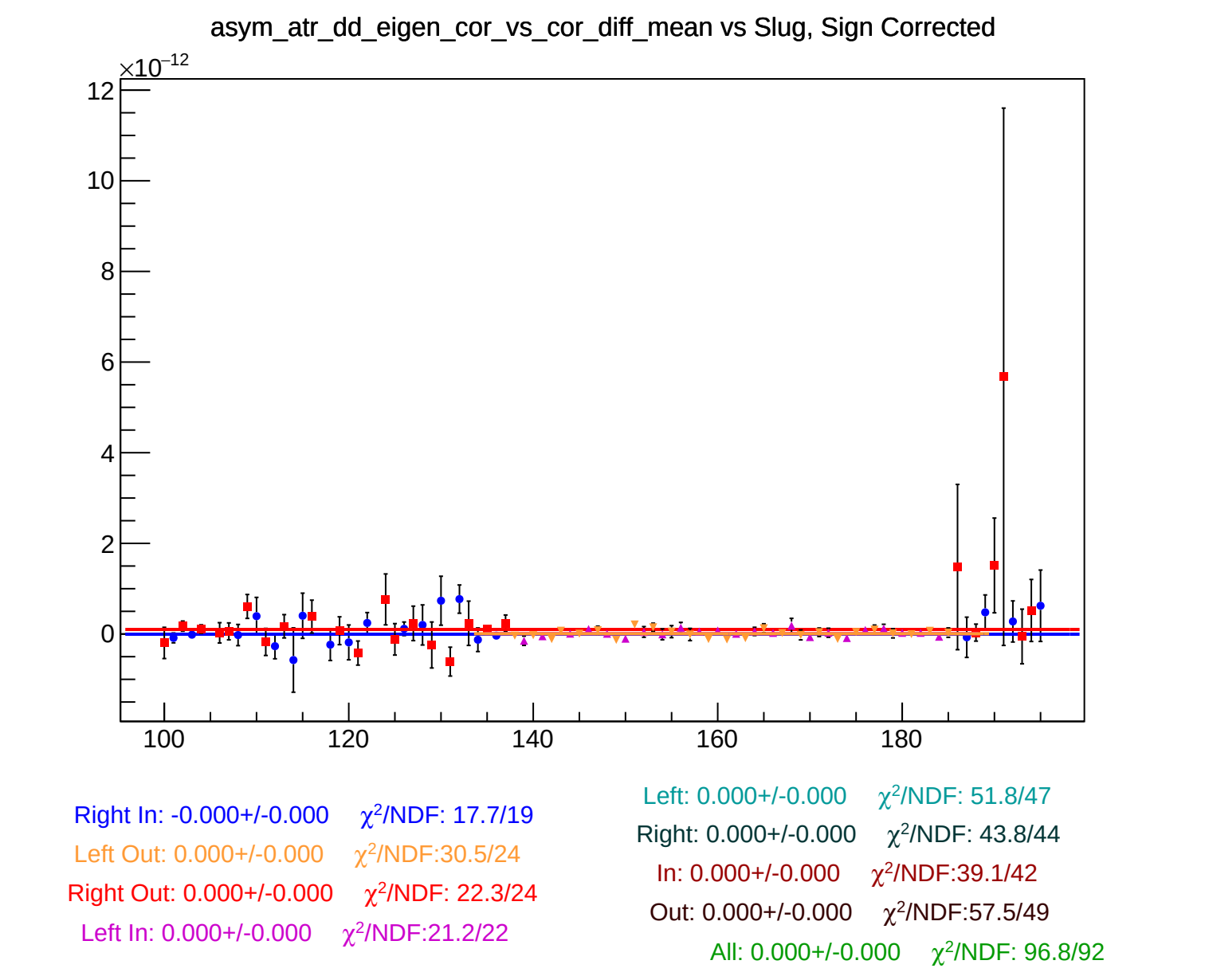
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

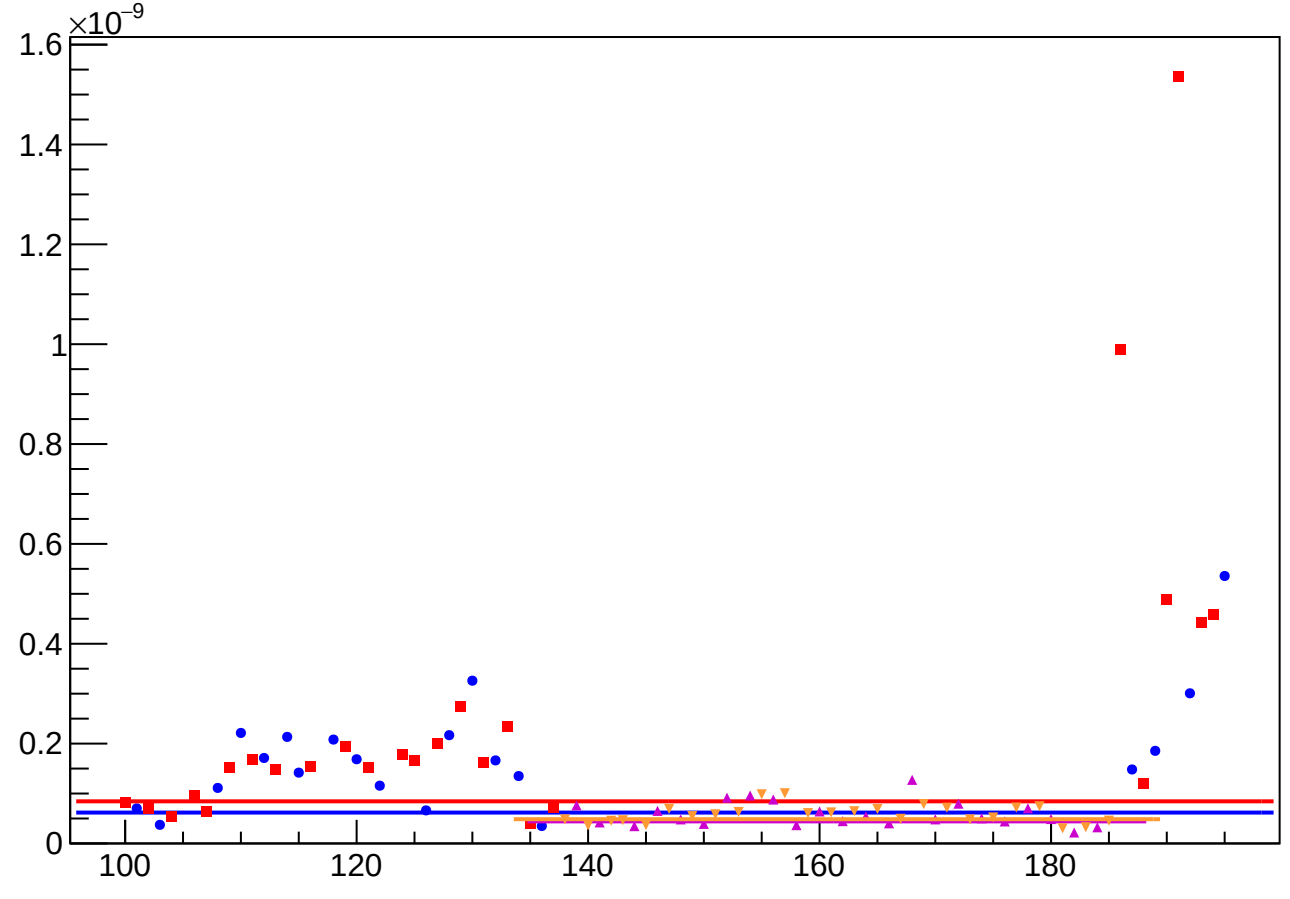
Right: 173.026+/-0.029 χ^2/NDF: 3556182.3/44

In: 220.778+/-0.032 χ^2/NDF:4878617.7/42

Out: 204.924+/-0.029 χ^2/NDF:7515997.4/49

All: 212.159+/-0.021 χ^2/NDF: 12531000.1/92


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 17.7/19
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.3/24
Left In: 0.000+/-0.000 χ²/NDF:21.2/22
Left: 0.000+/-0.000 χ²/NDF: 51.8/47
Right: 0.000+/-0.000 χ²/NDF: 43.8/44
In: 0.000+/-0.000 χ²/NDF:39.1/42
Out: 0.000+/-0.000 χ²/NDF:57.5/49
All: 0.000+/-0.000 χ²/NDF: 96.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 4910123.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5065539.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

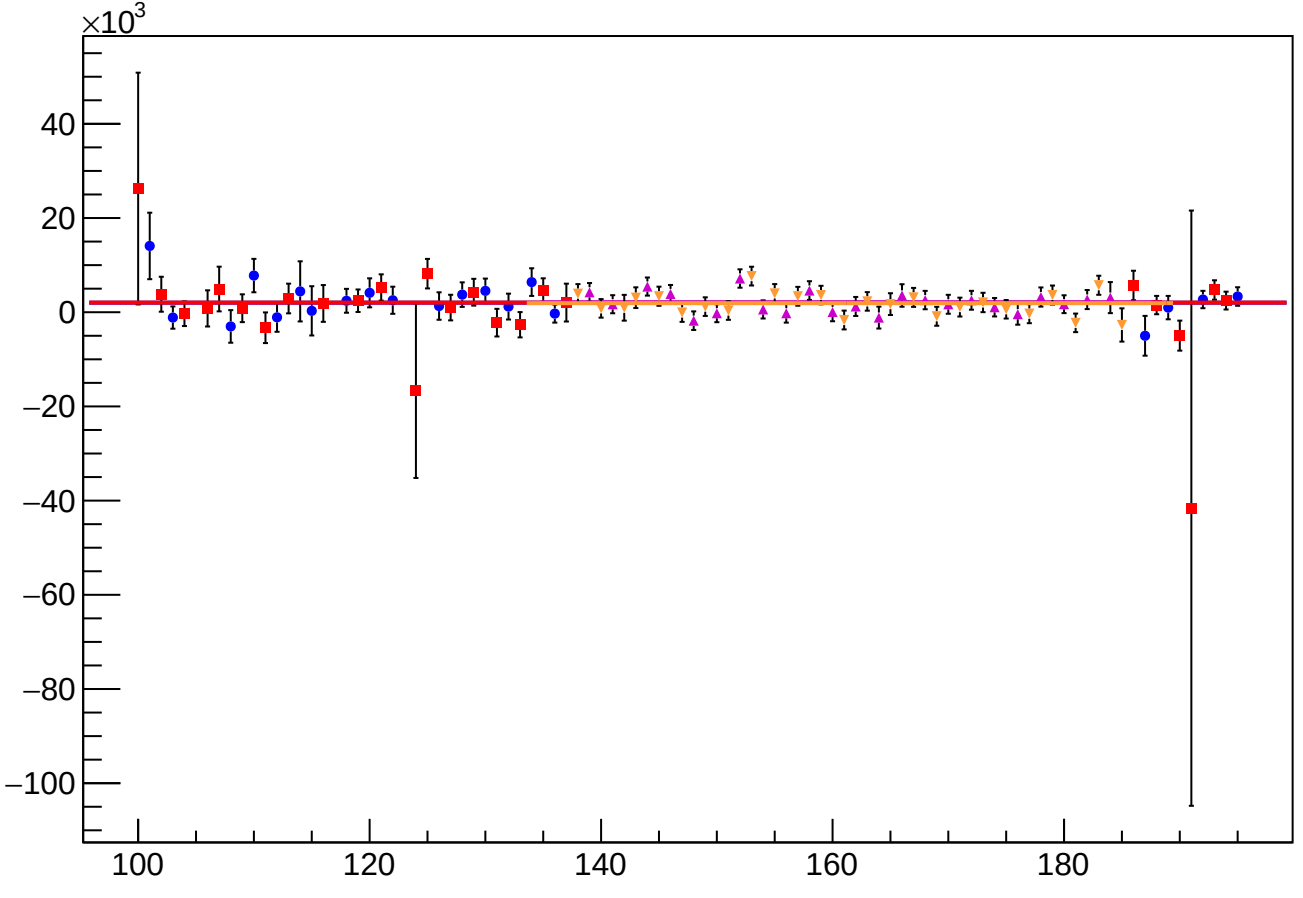
Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

Right: 0.000+/-0.000 χ^2/NDF: 10326693.8/44

In: 0.000+/-0.000 χ^2/NDF:8978125.0/42

Out: 0.000+/-0.000 χ^2/NDF:8929698.3/49

All: 0.000+/-0.000 χ^2/NDF: 18103546.0/92



Right In: 2025.329+/-618.307 χ^2/NDF: 20.0/19

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2045.022+/-595.512 χ^2/NDF: 27.0/24

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

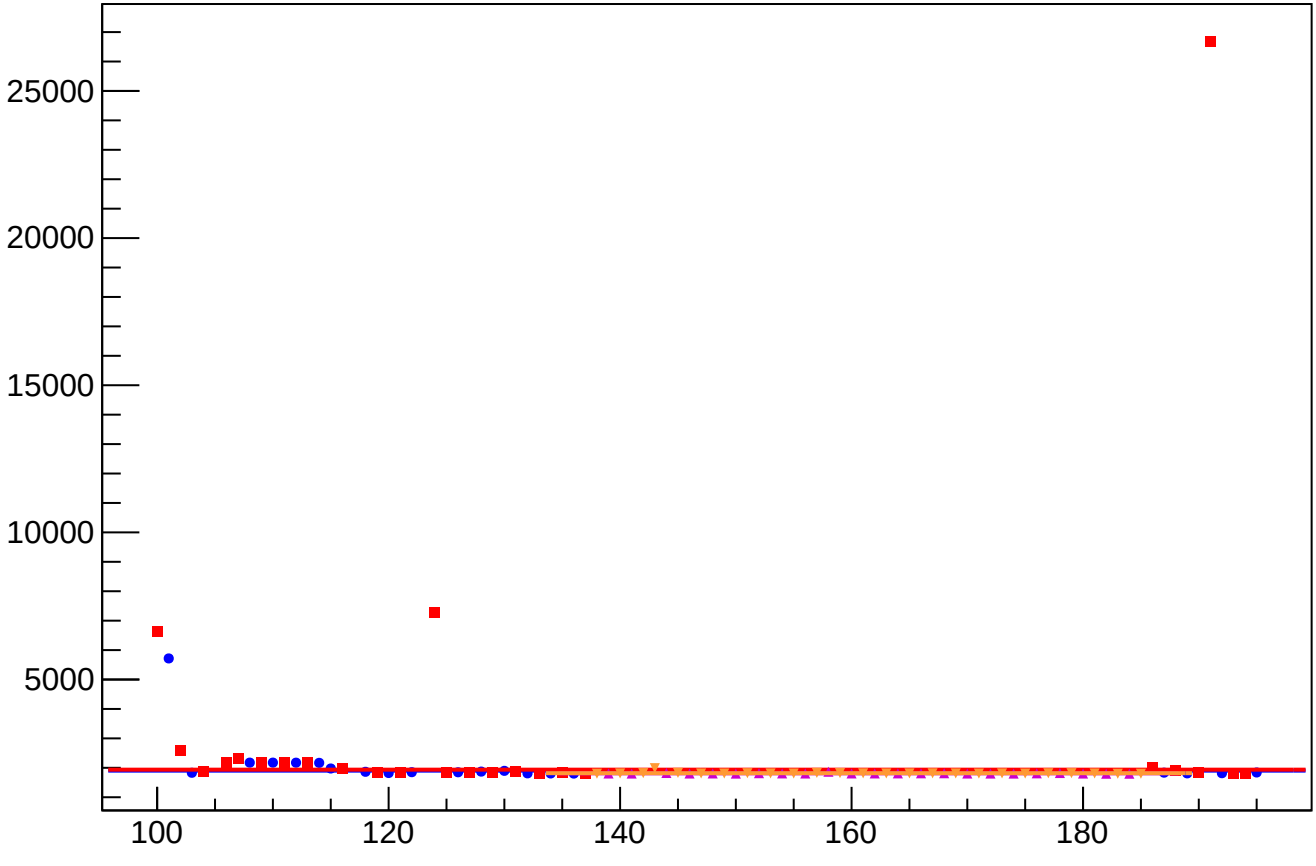
Right: 2035.545+/-428.923 χ^2/NDF: 47.0/44

In: 2058.613+/-349.233 χ^2/NDF:46.5/42

Out: 1961.012+/-339.325 χ^2/NDF:59.6/49

All: 2008.408+/-243.366 χ^2/NDF: 106.1/92

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1904.284+/-0.437 χ^2/NDF: 651950.8/19

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1937.019+/-0.421 χ^2/NDF: 710770.4/24

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

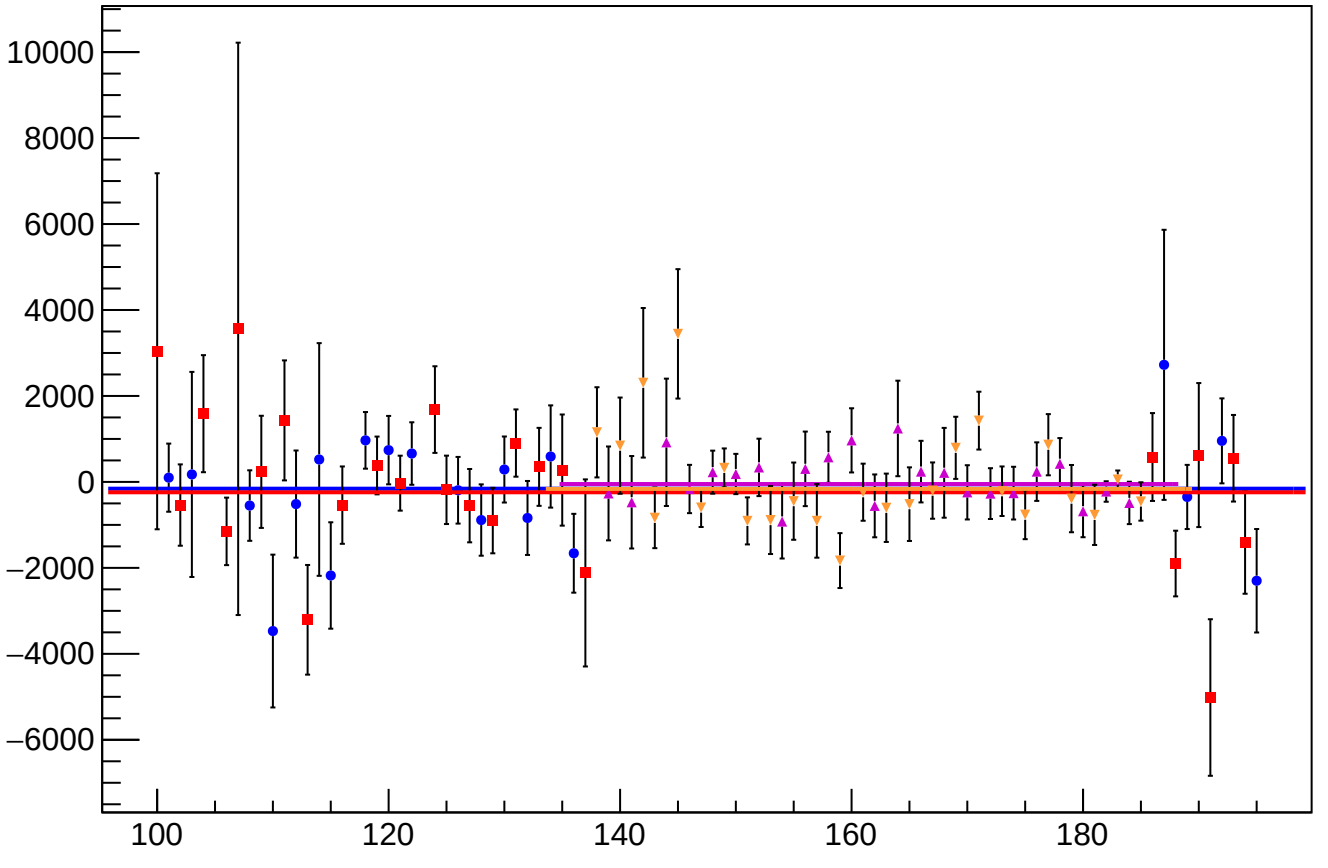
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1921.266+/-0.303 χ^2/NDF: 1365629.4/44

In: 1841.812+/-0.247 χ^2/NDF:683945.8/42

Out: 1856.321+/-0.240 χ^2/NDF:778108.1/49

All: 1849.275+/-0.172 χ^2/NDF: 1463829.8/92



Right In: -157.528+/-211.088 χ^2/NDF: 22.2/19

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -241.392+/-198.794 χ^2/NDF: 34.3/24

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

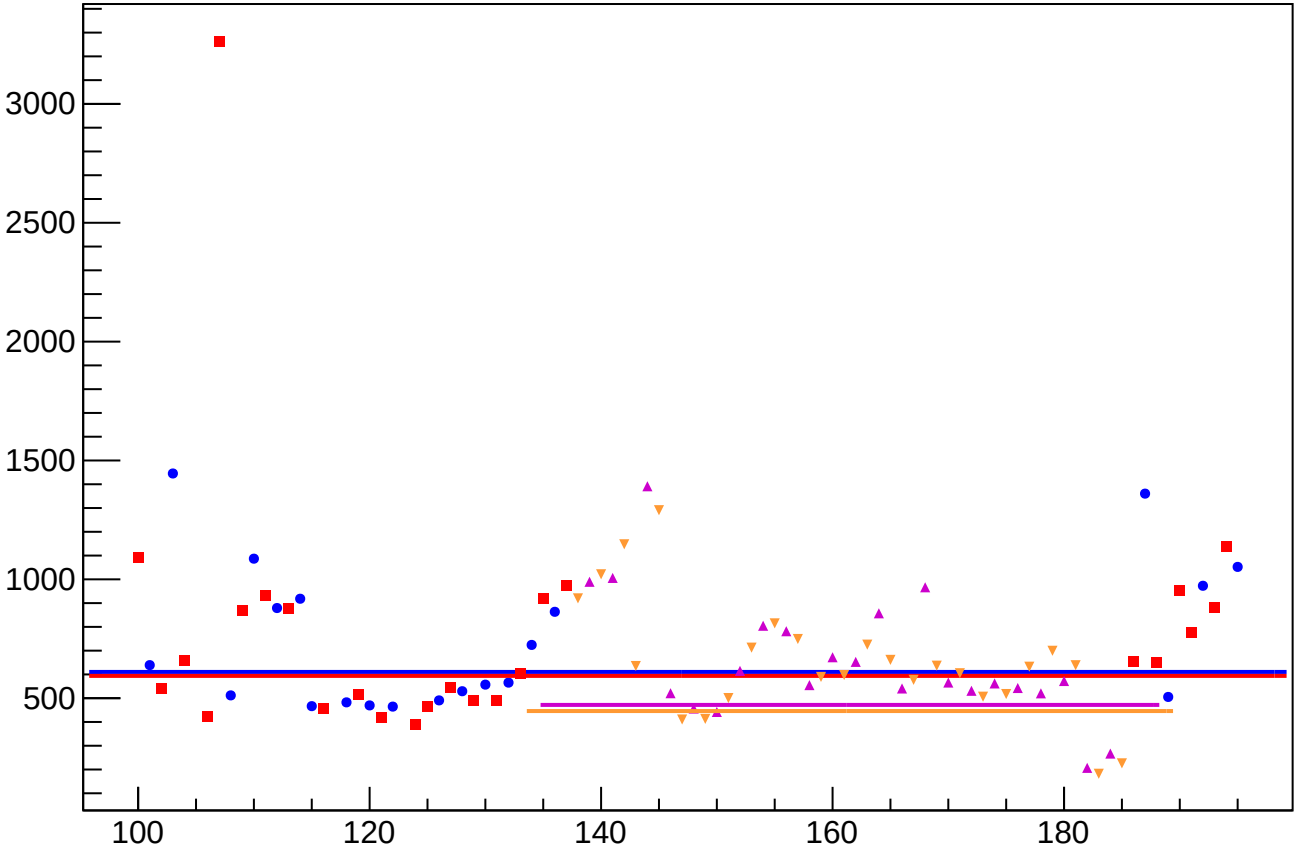
Right: -201.973+/-144.720 χ^2/NDF: 56.7/44

In: -76.622+/-106.075 χ^2/NDF:33.8/42

Out: -182.728+/-99.735 χ^2/NDF:71.3/49

All: -132.941+/-72.661 χ^2/NDF: 105.6/92

asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 610.504+/-0.149 χ^2/NDF: 1729118.3/19

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 593.834+/-0.141 χ^2/NDF: 2092301.1/24

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

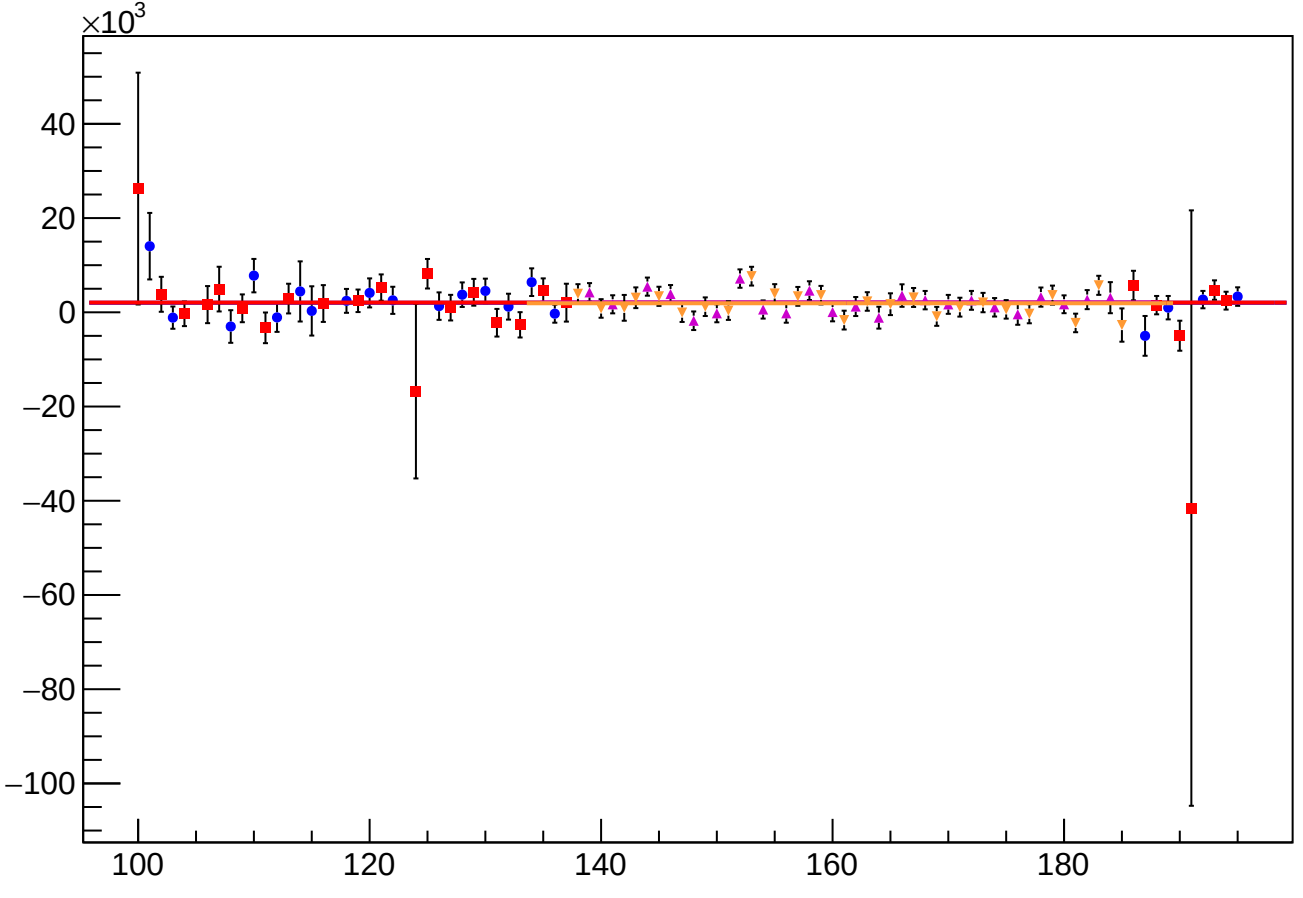
Right: 601.669+/-0.102 χ^2/NDF: 3828029.4/44

In: 506.785+/-0.075 χ^2/NDF:8789001.2/42

Out: 483.130+/-0.071 χ^2/NDF:10903606.1/49

All: 494.230+/-0.051 χ^2/NDF: 19745396.6/92

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2025.113+/-618.307 χ^2/NDF: 20.0/19

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2065.428+/-595.855 χ^2/NDF: 26.9/24

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

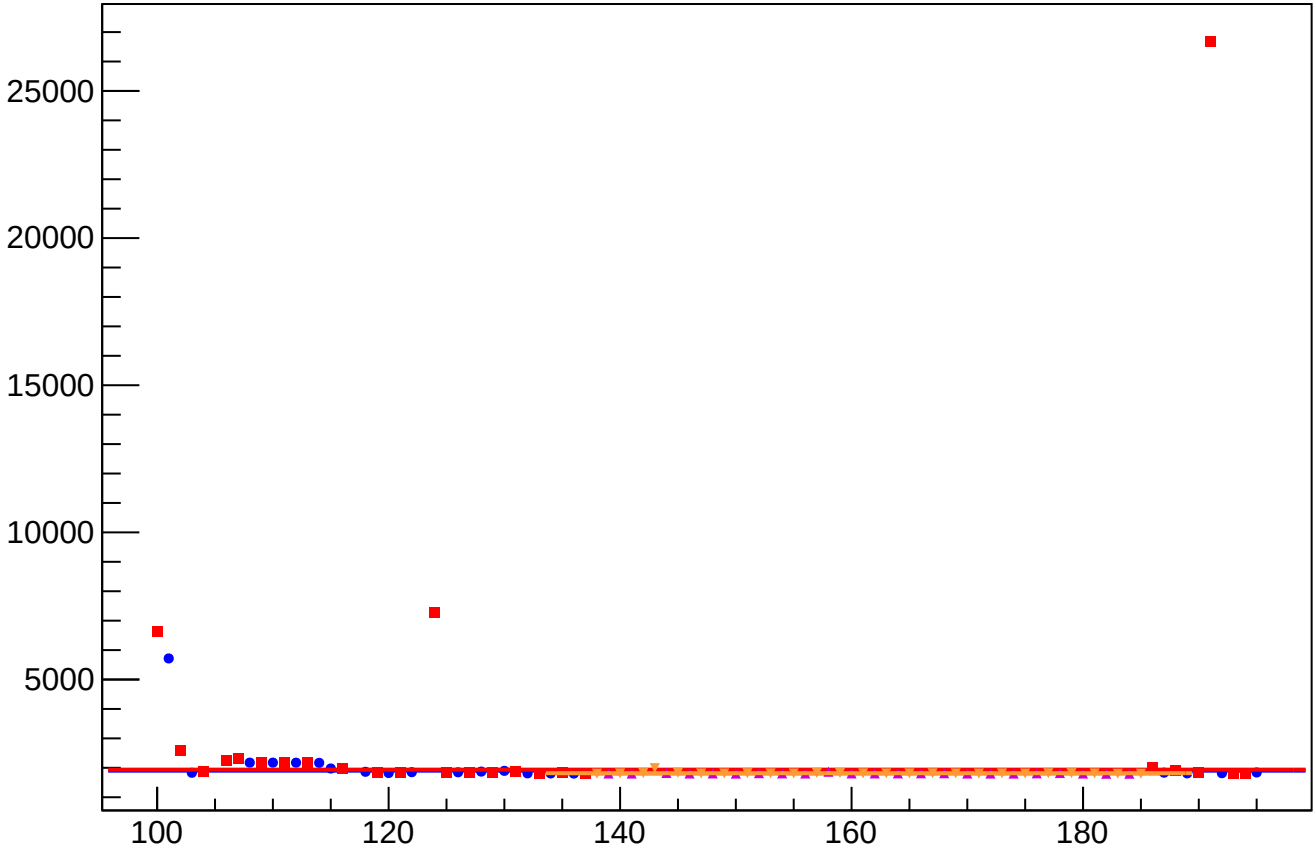
Right: 2046.016+/-429.051 χ^2/NDF: 46.9/44

In: 2058.612+/-349.233 χ^2/NDF:46.5/42

Out: 1967.577+/-339.389 χ^2/NDF:59.5/49

All: 2011.794+/-243.390 χ^2/NDF: 106.0/92

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1904.283+/-0.437 χ^2/NDF: 651950.8/19

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1937.888+/-0.421 χ^2/NDF: 714025.3/24

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

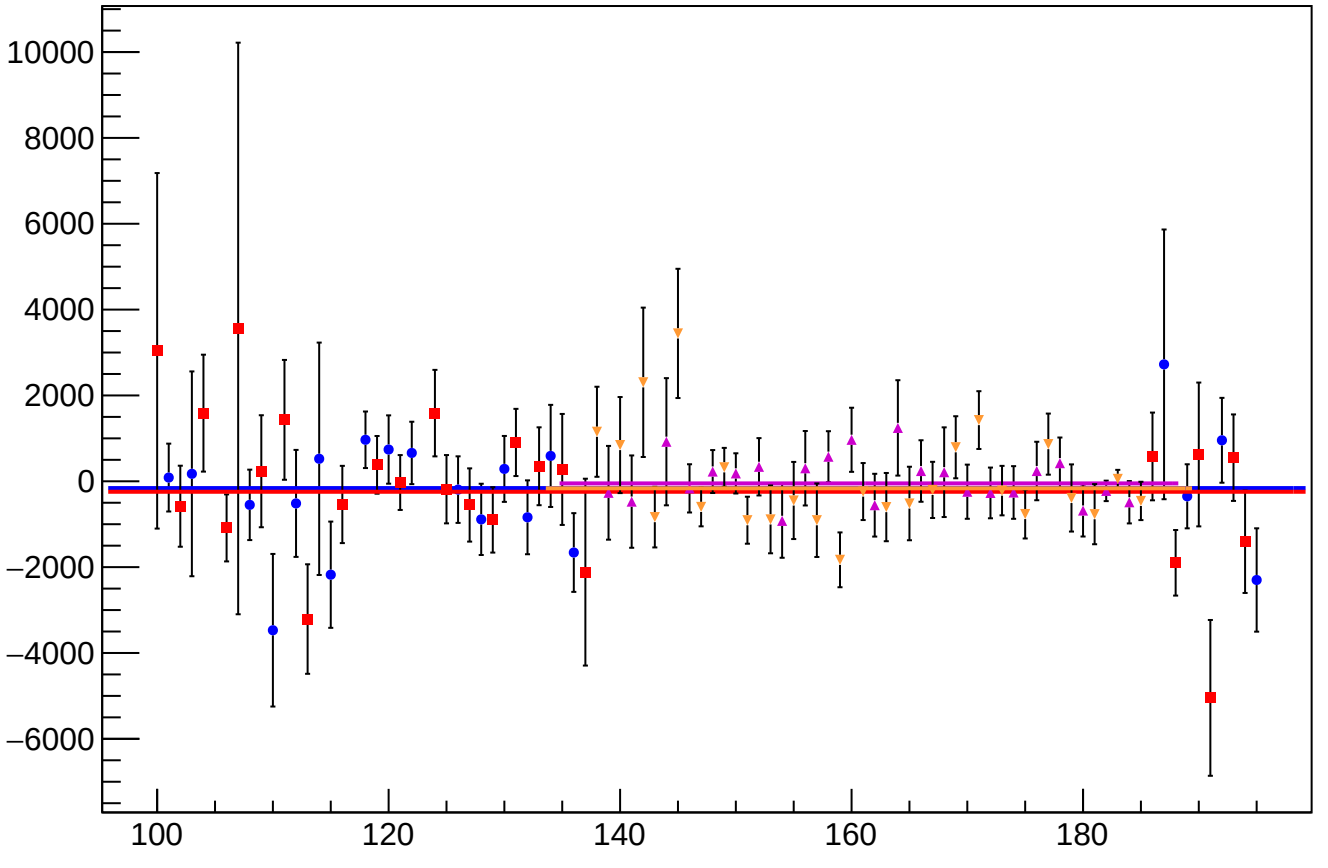
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1921.707+/-0.303 χ^2/NDF: 1369039.2/44

In: 1841.812+/-0.247 χ^2/NDF:683945.7/42

Out: 1856.573+/-0.240 χ^2/NDF:782114.4/49

All: 1849.403+/-0.172 χ^2/NDF: 1467897.9/92



Right In: -158.207+/-211.051 χ^2/NDF: 22.2/19

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -244.127+/-198.686 χ^2/NDF: 34.0/24

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

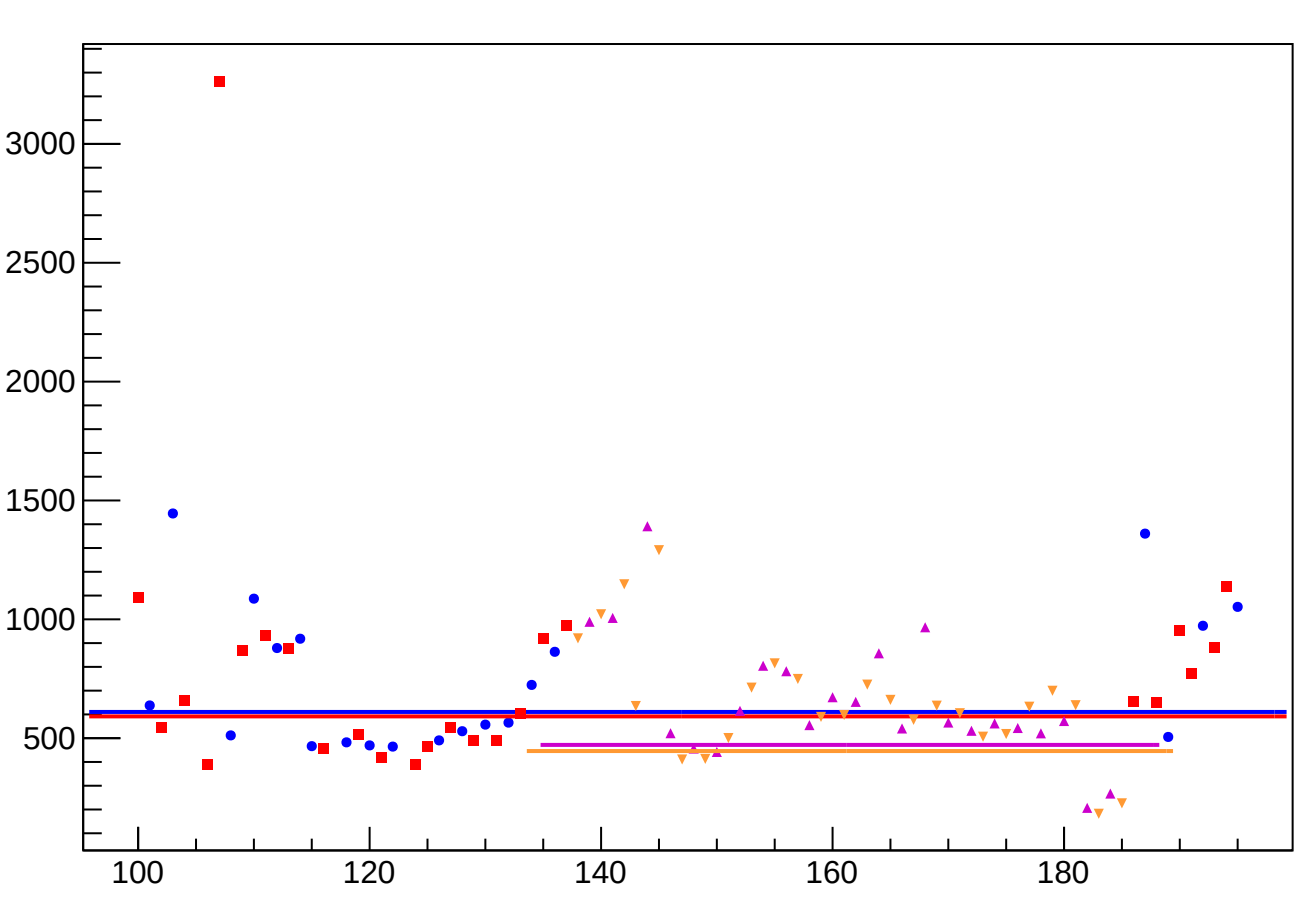
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -203.757+/-144.666 χ^2/NDF: 56.3/44

In: -76.816+/-106.072 χ^2/NDF:33.8/42

Out: -183.369+/-99.719 χ^2/NDF:71.0/49

All: -133.379+/-72.654 χ^2/NDF: 105.3/92



Right In: 610.417+/-0.149 χ^2/NDF: 1728948.7/19

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 591.687+/-0.140 χ^2/NDF: 2133528.9/24

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

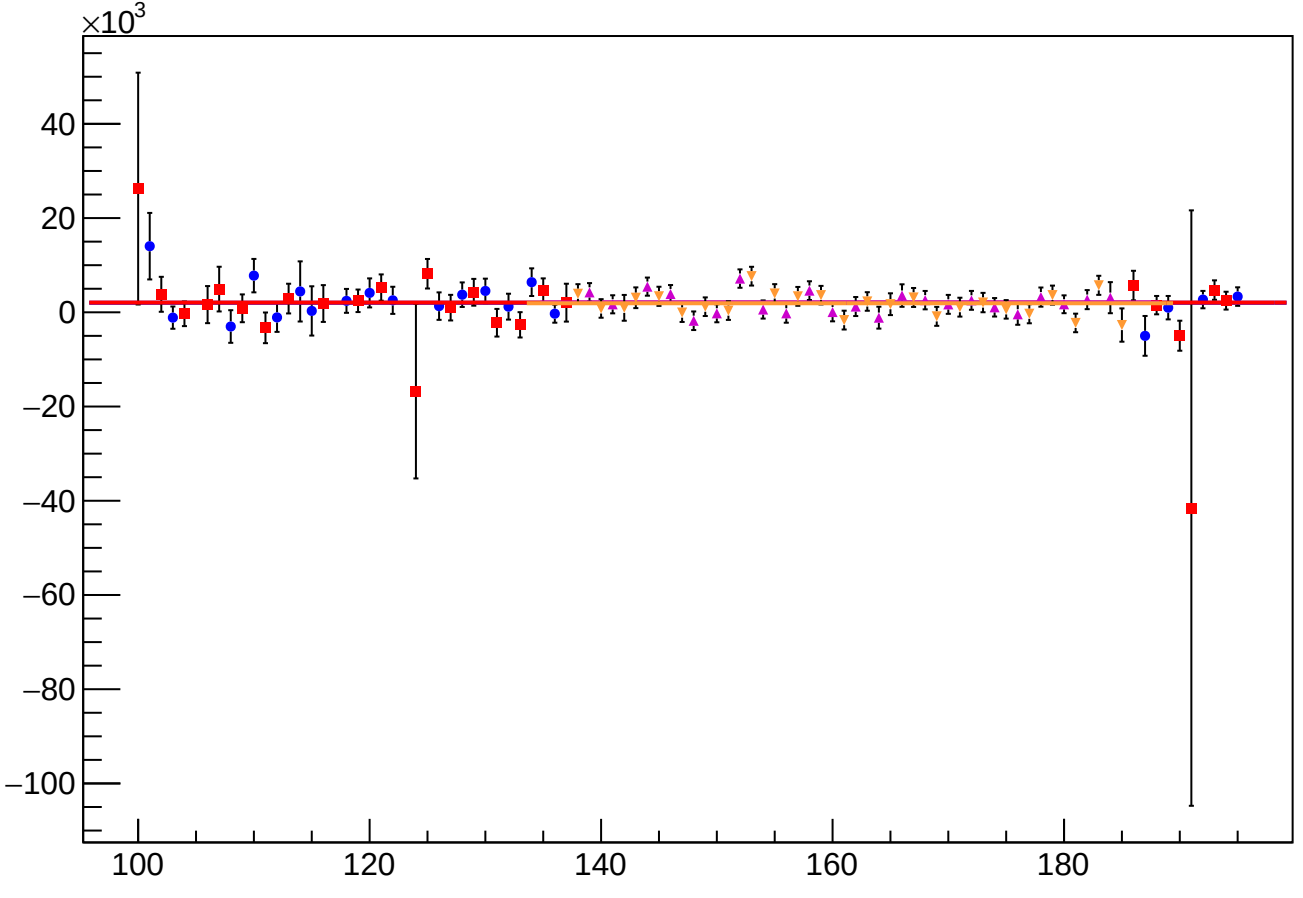
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 600.487+/-0.102 χ^2/NDF: 3870828.4/44

In: 506.782+/-0.075 χ^2/NDF:8787857.4/42

Out: 482.598+/-0.071 χ^2/NDF:10923313.3/49

All: 493.944+/-0.051 χ^2/NDF: 19766357.5/92



Right In: 2025.113+/-618.307 χ^2/NDF: 20.0/19

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2065.428+/-595.855 χ^2/NDF: 26.9/24

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

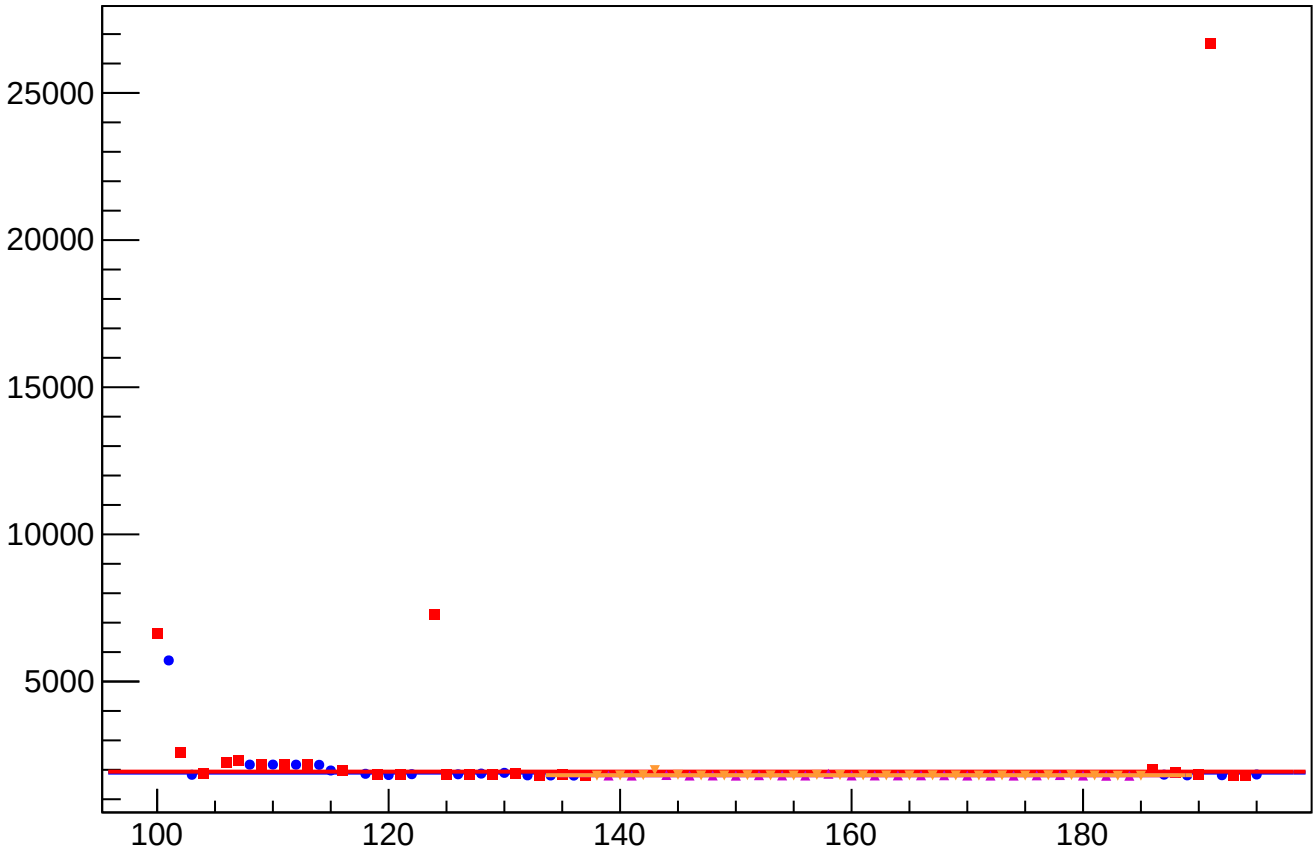
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2046.016+/-429.051 χ^2/NDF: 46.9/44

In: 2058.612+/-349.233 χ^2/NDF:46.5/42

Out: 1967.577+/-339.389 χ^2/NDF:59.5/49

All: 2011.794+/-243.390 χ^2/NDF: 106.0/92



Right In: 1904.283+/-0.437 χ^2/NDF: 651950.8/19

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1937.888+/-0.421 χ^2/NDF: 714025.3/24

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

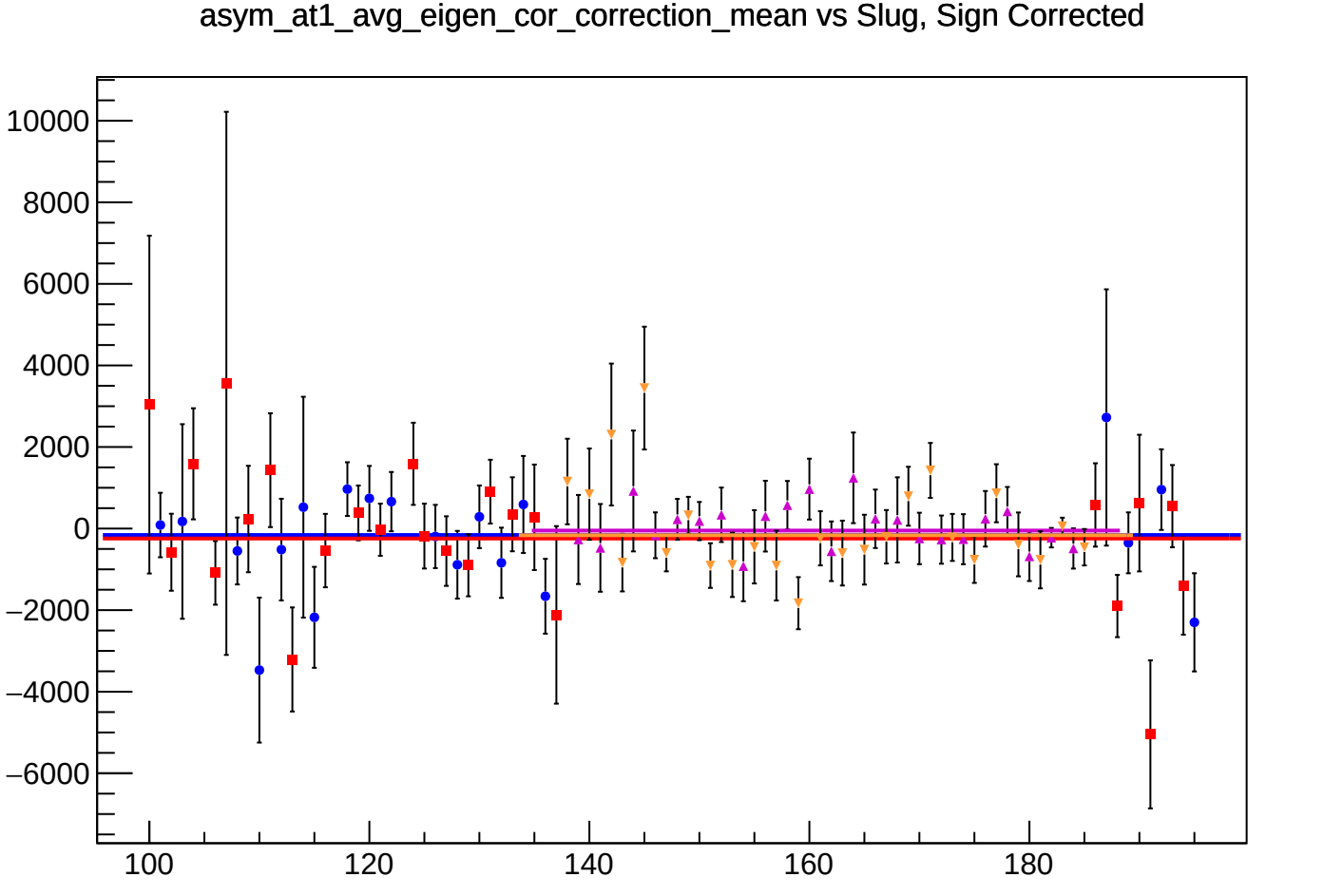
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1921.707+/-0.303 χ^2/NDF: 1369039.2/44

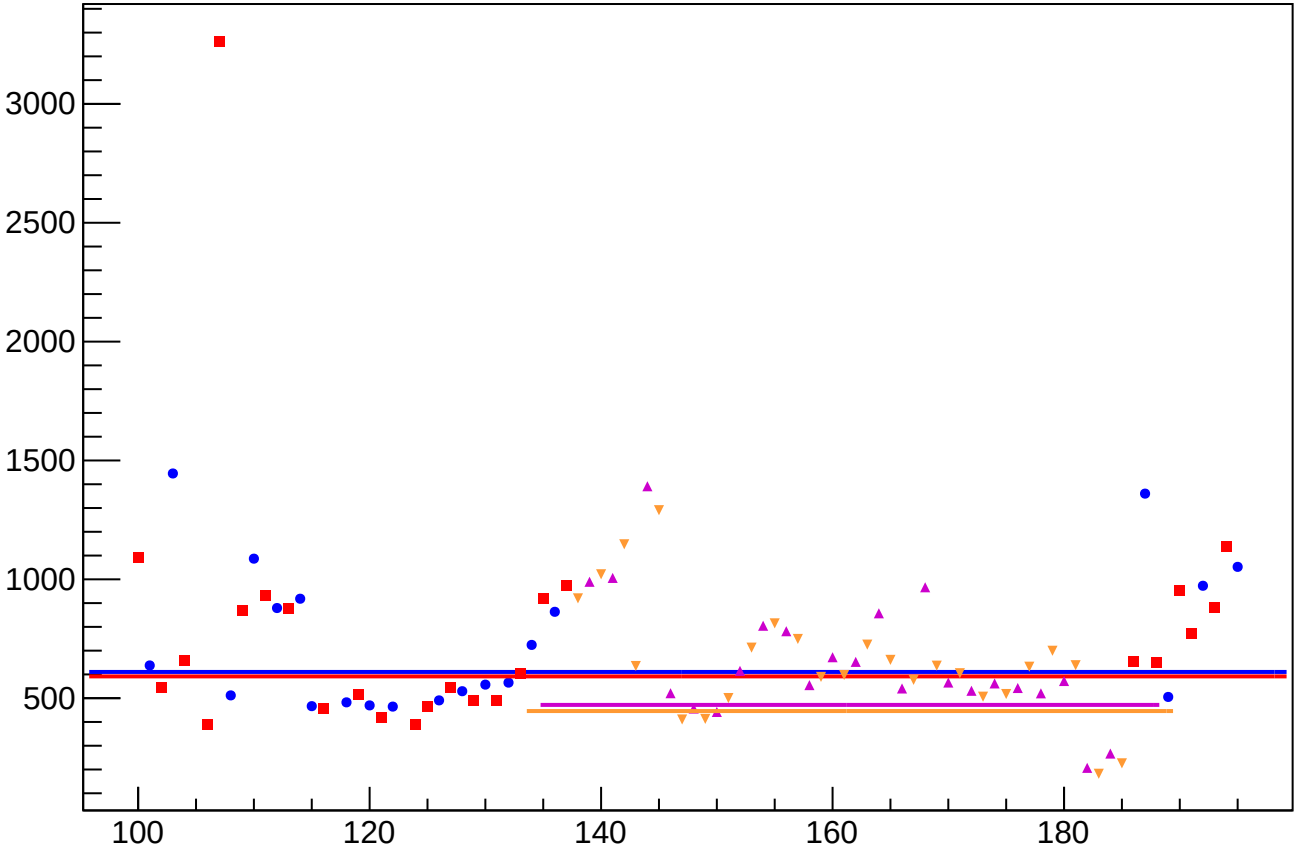
In: 1841.812+/-0.247 χ^2/NDF:683945.7/42

Out: 1856.573+/-0.240 χ^2/NDF:782114.4/49

All: 1849.403+/-0.172 χ^2/NDF: 1467897.9/92


asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
Right In: -158.207+/-211.051 χ²/NDF: 22.2/19
Left Out: -162.911+/-115.291 χ²/NDF:36.9/24
Right Out: -244.127+/-198.686 χ²/NDF: 34.0/24
Left In: -49.310+/-122.694 χ²/NDF:11.3/22
Left: -109.640+/-84.018 χ²/NDF: 48.6/47
Right: -203.757+/-144.666 χ²/NDF: 56.3/44
In: -76.816+/-106.072 χ²/NDF:33.8/42
Out: -183.369+/-99.719 χ²/NDF:71.0/49
All: -133.379+/-72.654 χ²/NDF: 105.3/92

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 610.417+/-0.149 χ^2/NDF: 1728948.7/19

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 591.687+/-0.140 χ^2/NDF: 2133528.9/24

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

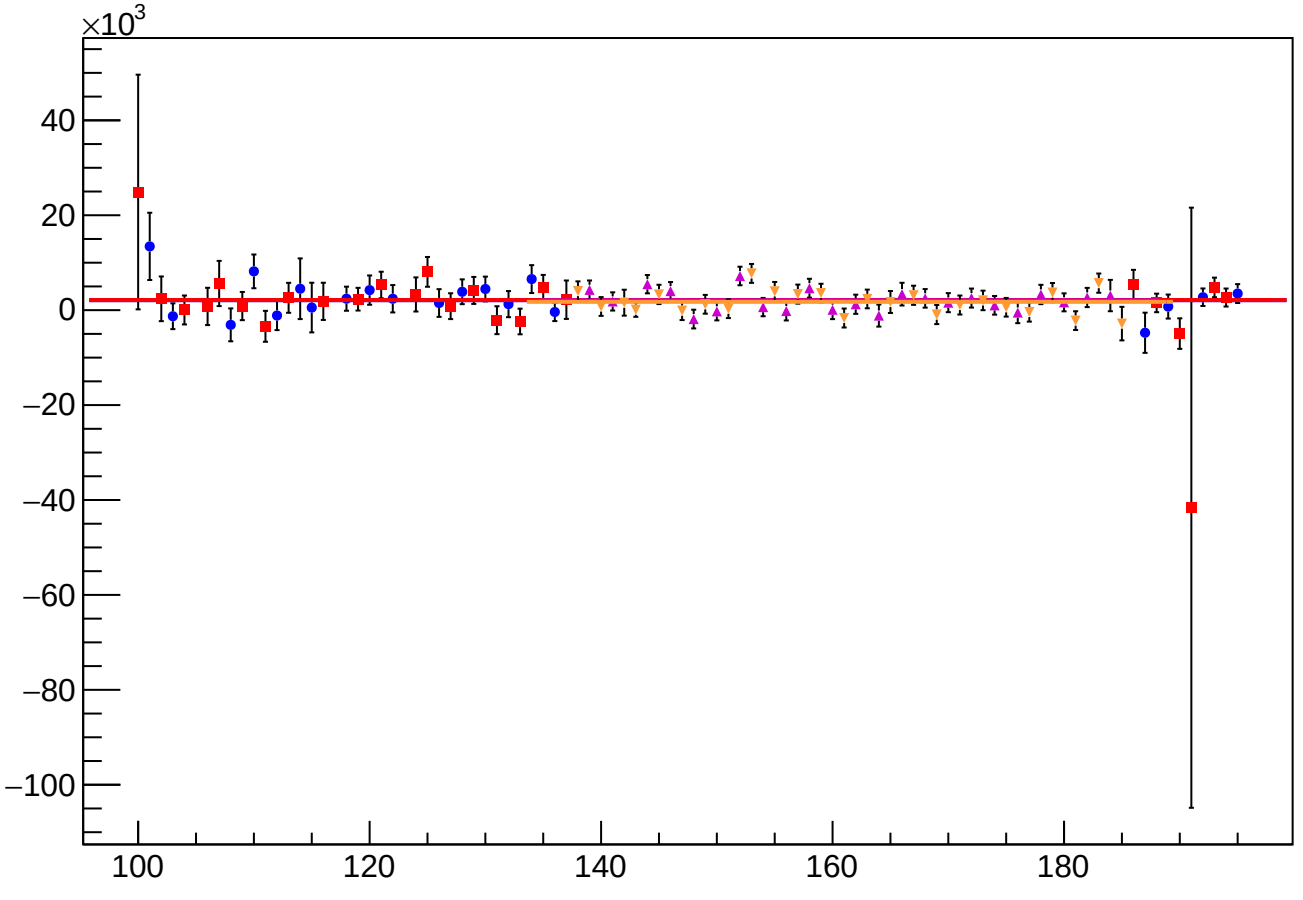
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 600.487+/-0.102 χ^2/NDF: 3870828.4/44

In: 506.782+/-0.075 χ^2/NDF:8787857.4/42

Out: 482.598+/-0.071 χ^2/NDF:10923313.3/49

All: 493.944+/-0.051 χ^2/NDF: 19766357.5/92



Right In: 2099.103+/-625.685 χ^2/NDF: 20.0/19

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2132.566+/-596.352 χ^2/NDF: 25.0/24

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

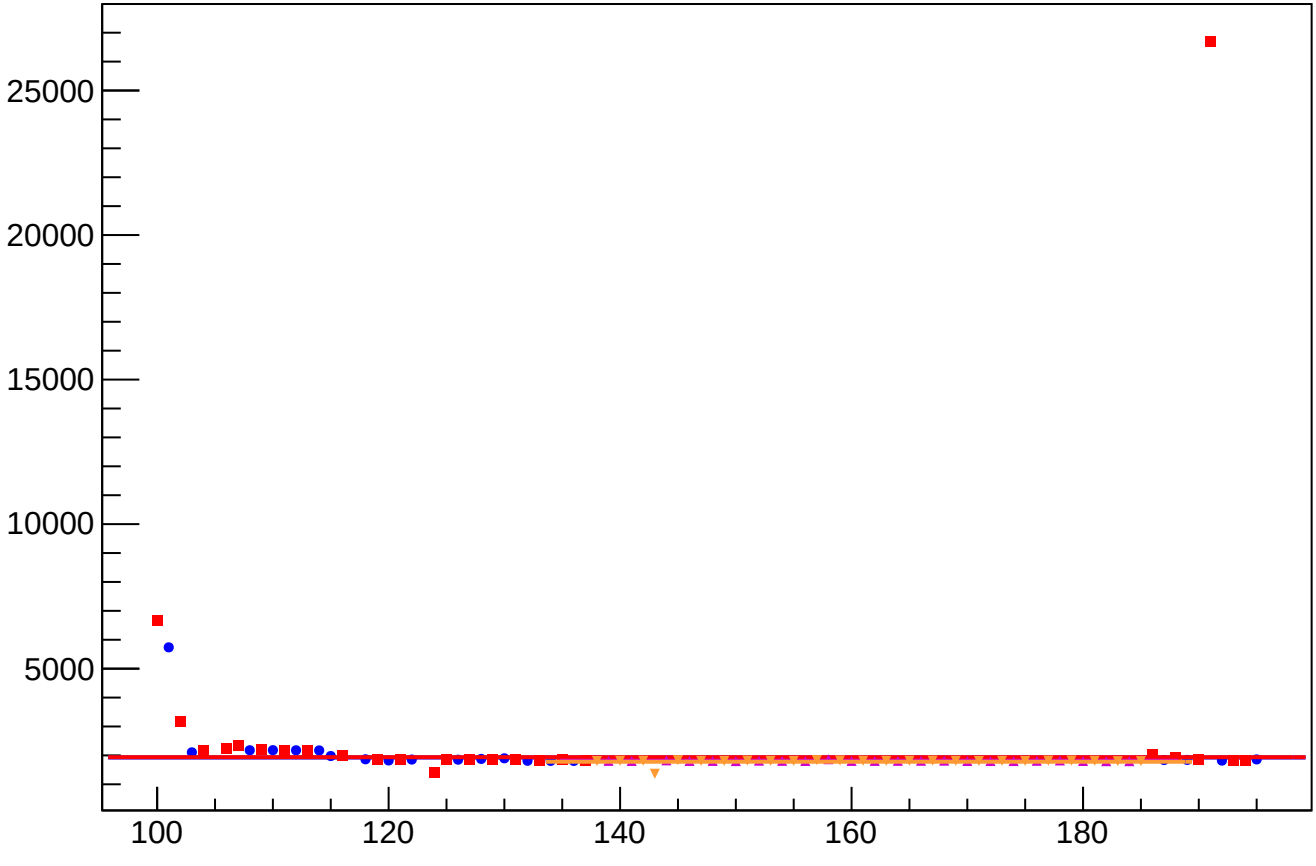
Right: 2116.637+/-431.682 χ^2/NDF: 45.0/44

In: 2081.507+/-350.799 χ^2/NDF:47.0/42

Out: 1874.673+/-335.268 χ^2/NDF:59.0/49

All: 1973.410+/-242.375 χ^2/NDF: 106.2/92

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1926.642+/-0.442 χ^2/NDF: 657055.5/19

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1937.545+/-0.422 χ^2/NDF: 676068.3/24

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

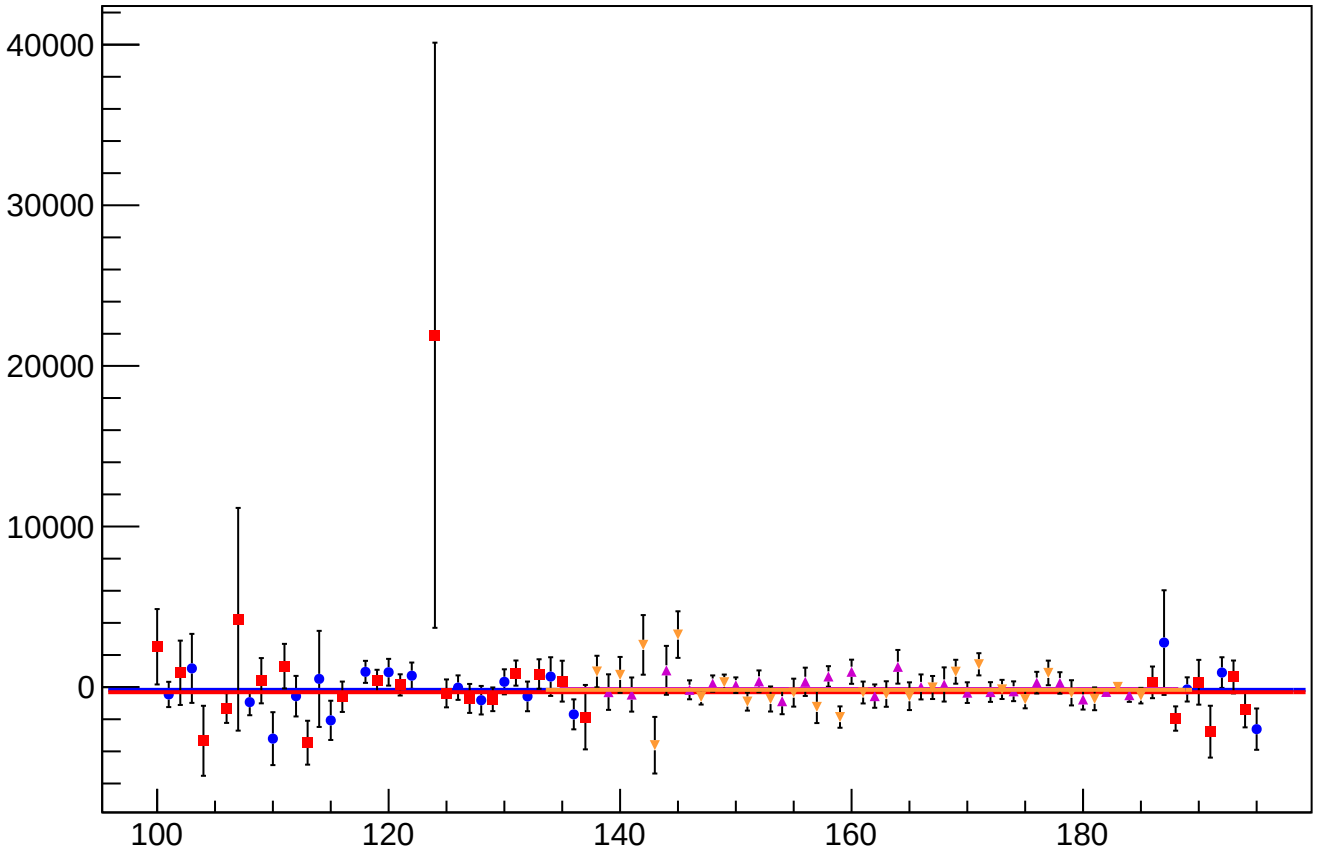
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1932.355+/-0.305 χ^2/NDF: 1333442.0/44

In: 1849.706+/-0.248 χ^2/NDF:703253.1/42

Out: 1830.419+/-0.237 χ^2/NDF:935367.3/49

All: 1839.626+/-0.171 χ^2/NDF: 1641780.0/92



Right In: -169.278+/-216.300 χ^2/NDF: 22.9/19

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -315.111+/-211.280 χ^2/NDF: 30.0/24

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

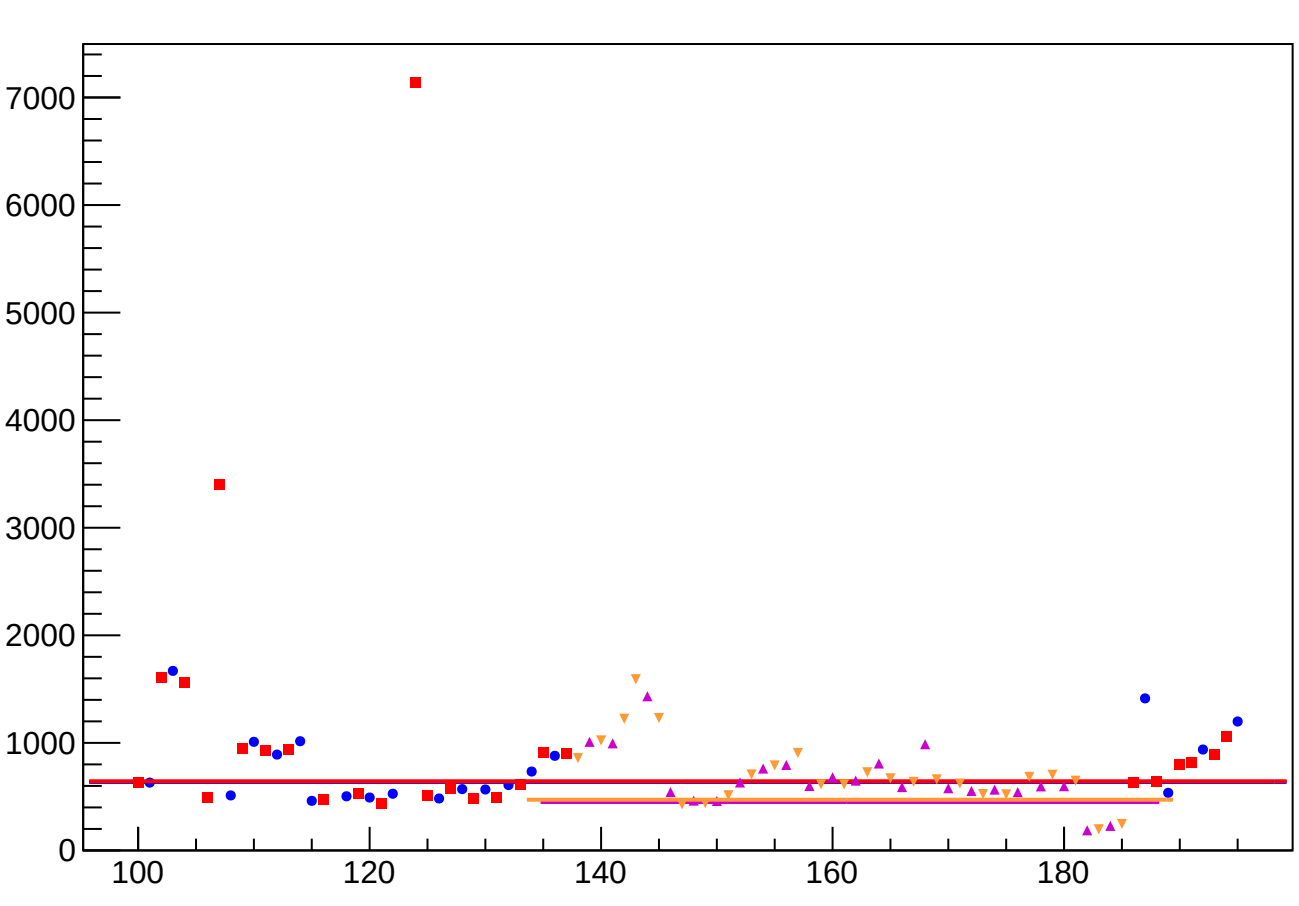
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -243.906+/-151.141 χ^2/NDF: 53.2/44

In: -129.429+/-104.780 χ^2/NDF:35.3/42

Out: -204.549+/-105.410 χ^2/NDF:68.7/49

All: -166.764+/-74.312 χ^2/NDF: 104.2/92



Right In: 637.095+/-0.153 χ^2/NDF: 1928836.4/19

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 642.752+/-0.149 χ^2/NDF: 2840352.5/24

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

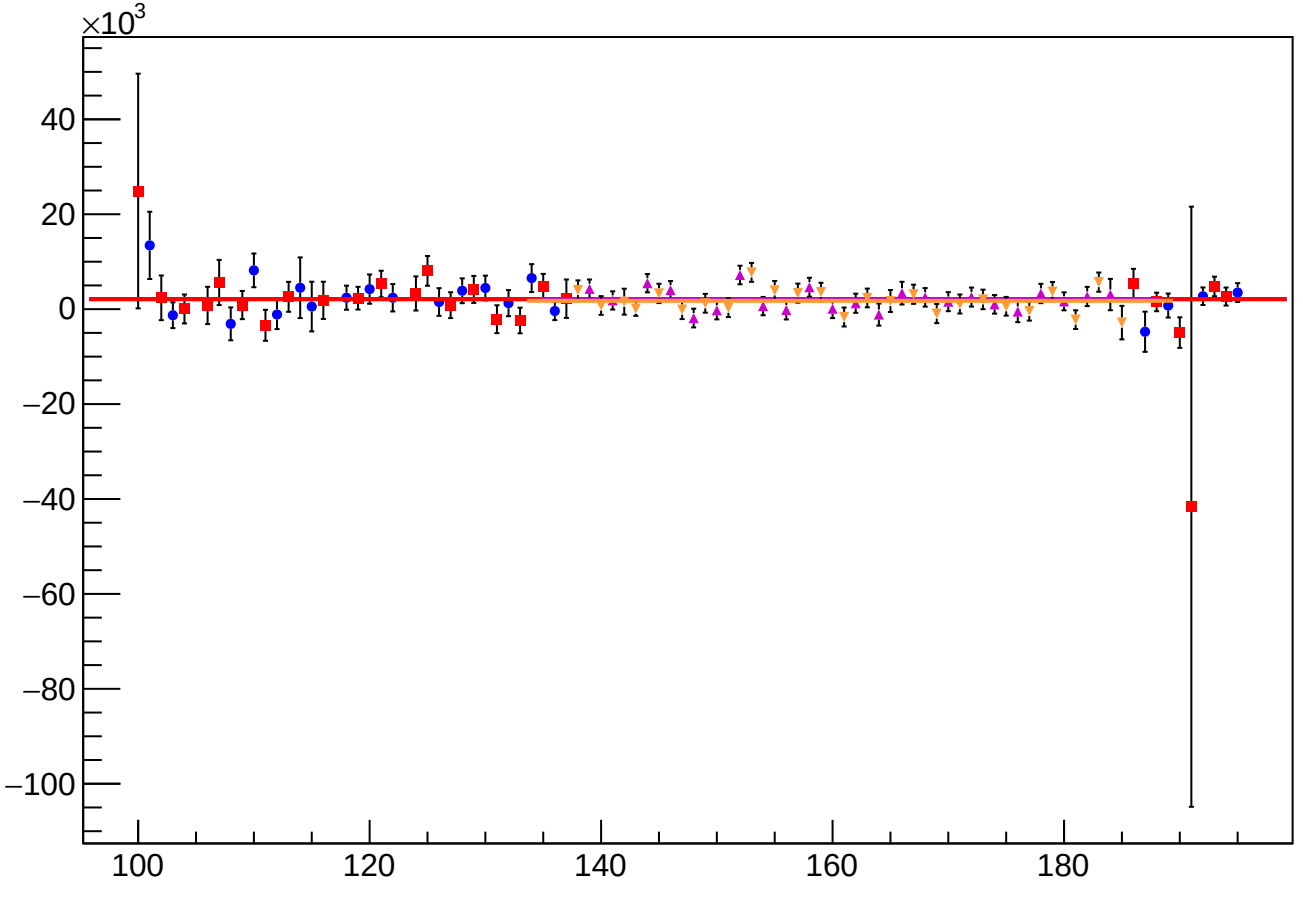
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 639.990+/-0.107 χ^2/NDF: 4769888.8/44

In: 494.404+/-0.074 χ^2/NDF:10994433.8/42

Out: 514.334+/-0.075 χ^2/NDF:11936729.0/49

All: 504.309+/-0.053 χ^2/NDF: 22967127.8/92



Right In: 2099.102+/-625.685 χ^2/NDF: 20.0/19

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2132.563+/-596.352 χ^2/NDF: 25.0/24

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

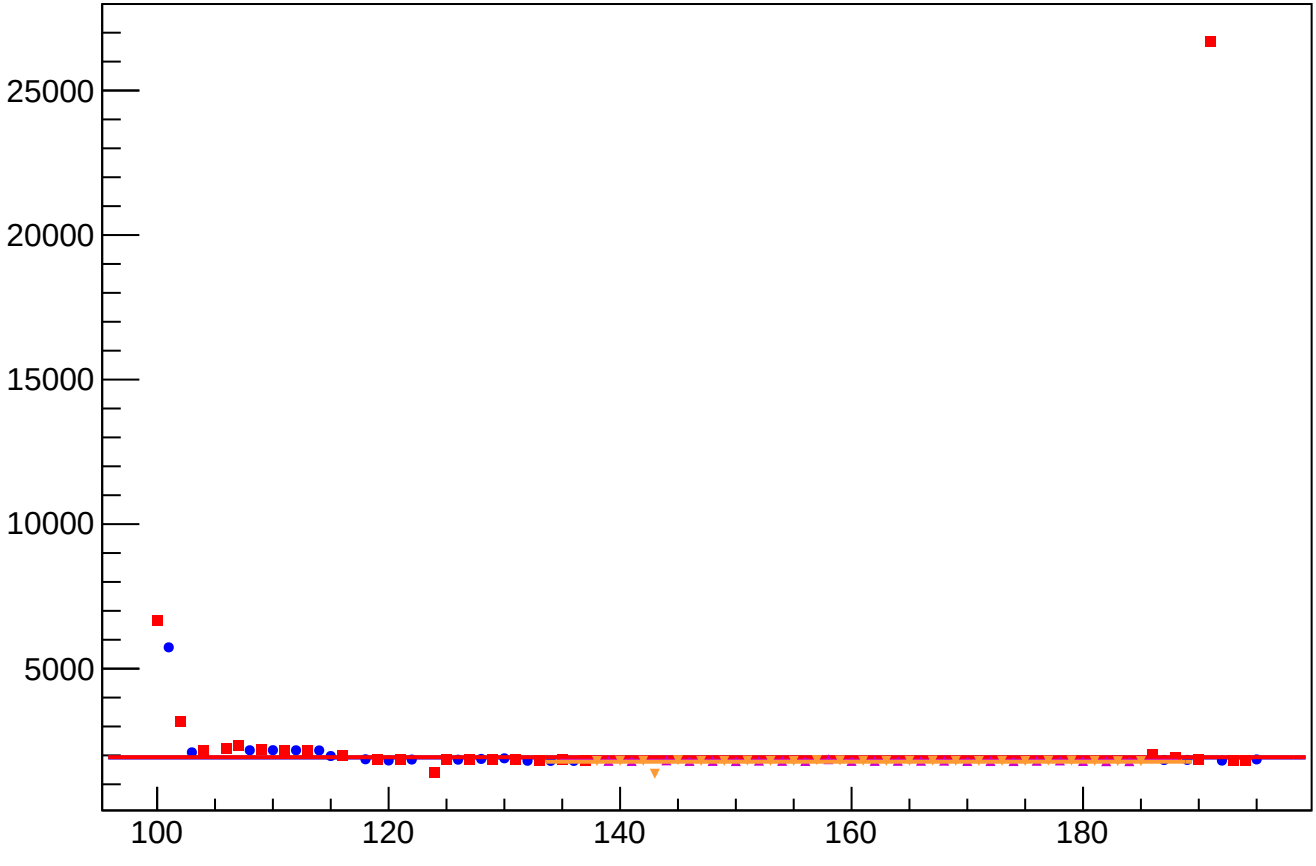
Right: 2116.635+/-431.682 χ^2/NDF: 45.0/44

In: 2081.507+/-350.799 χ^2/NDF:47.0/42

Out: 1874.672+/-335.268 χ^2/NDF:59.0/49

All: 1973.410+/-242.375 χ^2/NDF: 106.2/92

eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1926.642+/-0.442 χ^2/NDF: 657055.1/19

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1937.544+/-0.422 χ^2/NDF: 676067.0/24

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

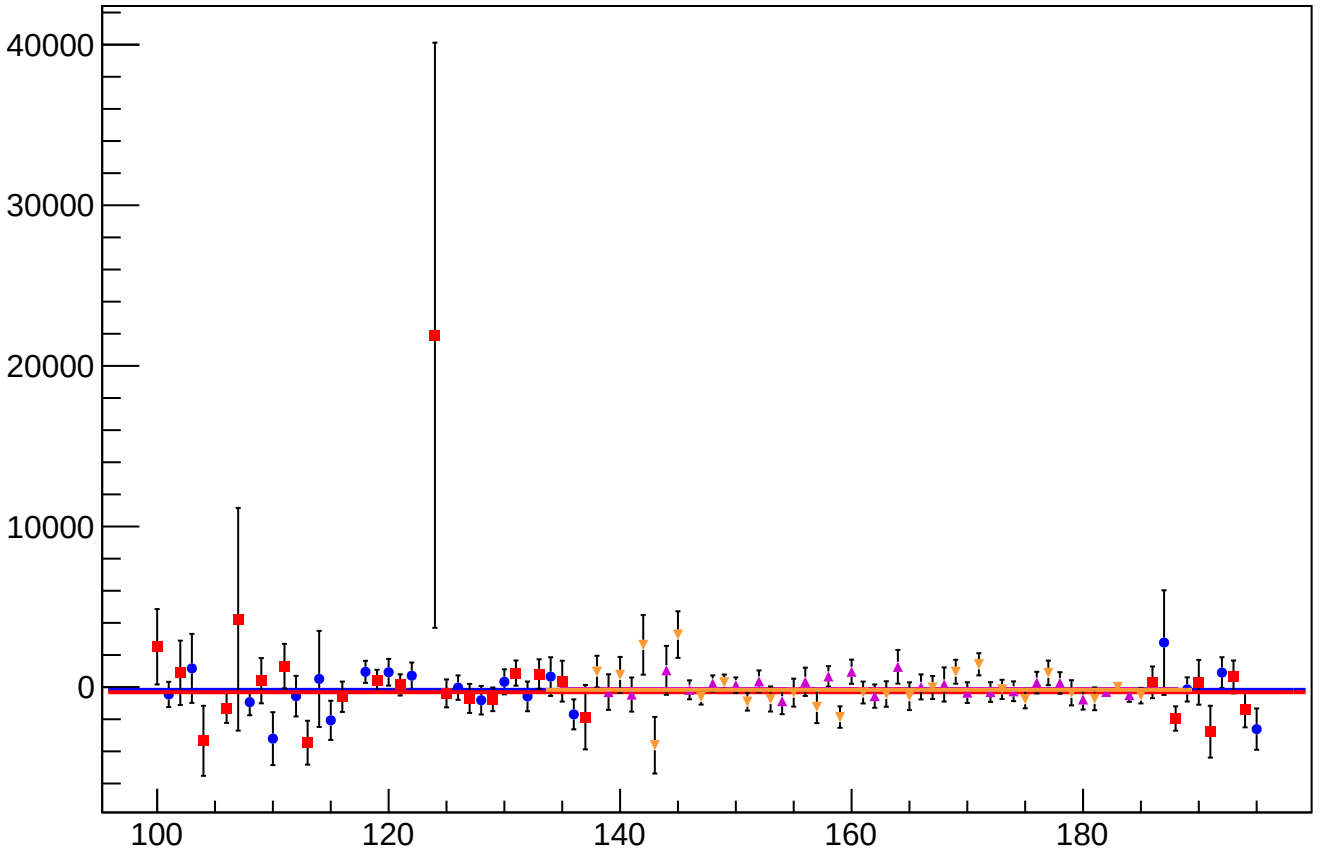
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1932.355+/-0.305 χ^2/NDF: 1333440.4/44

In: 1849.706+/-0.248 χ^2/NDF:703252.7/42

Out: 1830.419+/-0.237 χ^2/NDF:935365.8/49

All: 1839.626+/-0.171 χ^2/NDF: 1641777.9/92



Right In: -169.278+/-216.299 χ^2/NDF: 22.9/19

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -315.111+/-211.280 χ^2/NDF: 30.0/24

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

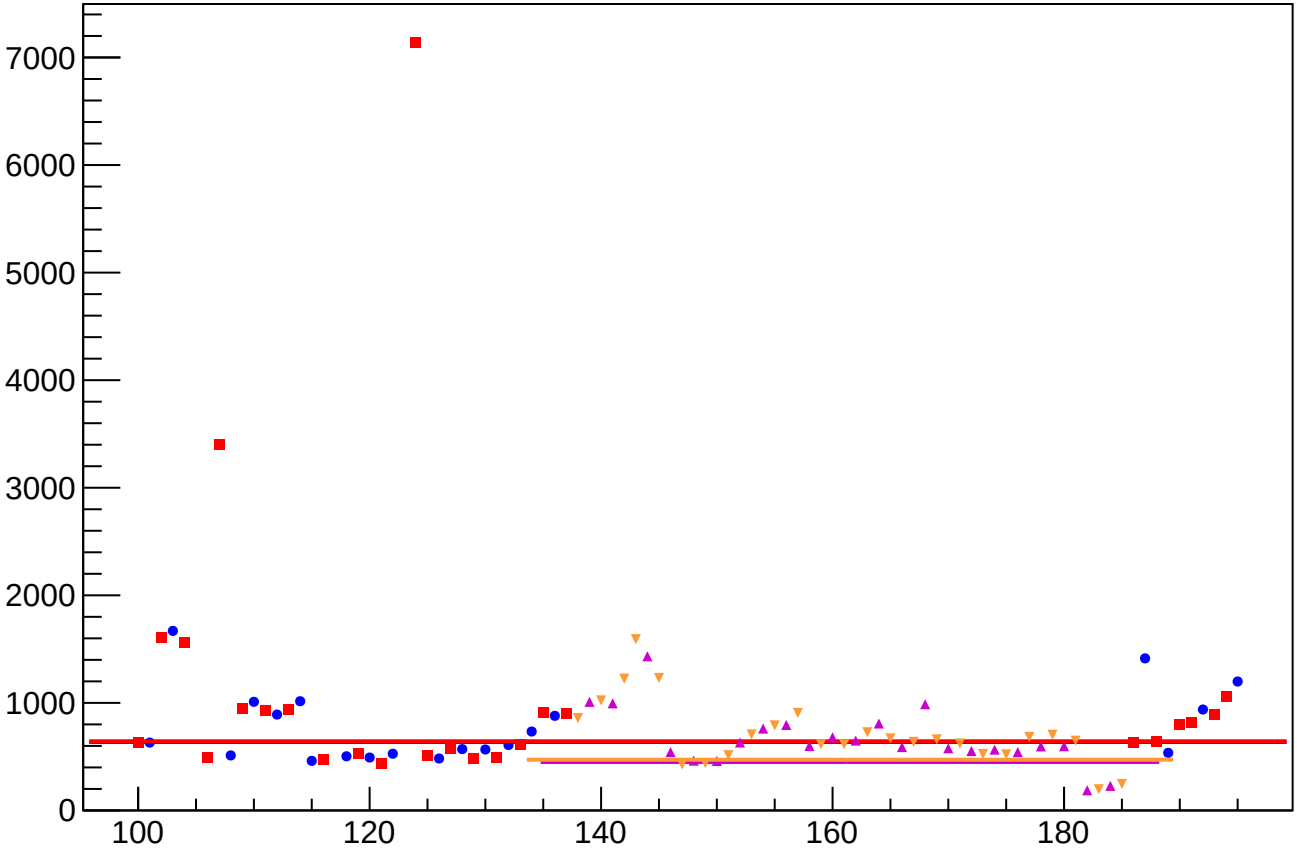
Right: -243.906+/-151.141 χ^2/NDF: 53.2/44

In: -129.430+/-104.781 χ^2/NDF:35.3/42

Out: -204.549+/-105.410 χ^2/NDF:68.7/49

All: -166.765+/-74.313 χ^2/NDF: 104.2/92

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 637.094+/-0.153 χ^2/NDF: 1928847.4/19

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 642.751+/-0.149 χ^2/NDF: 2840365.7/24

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

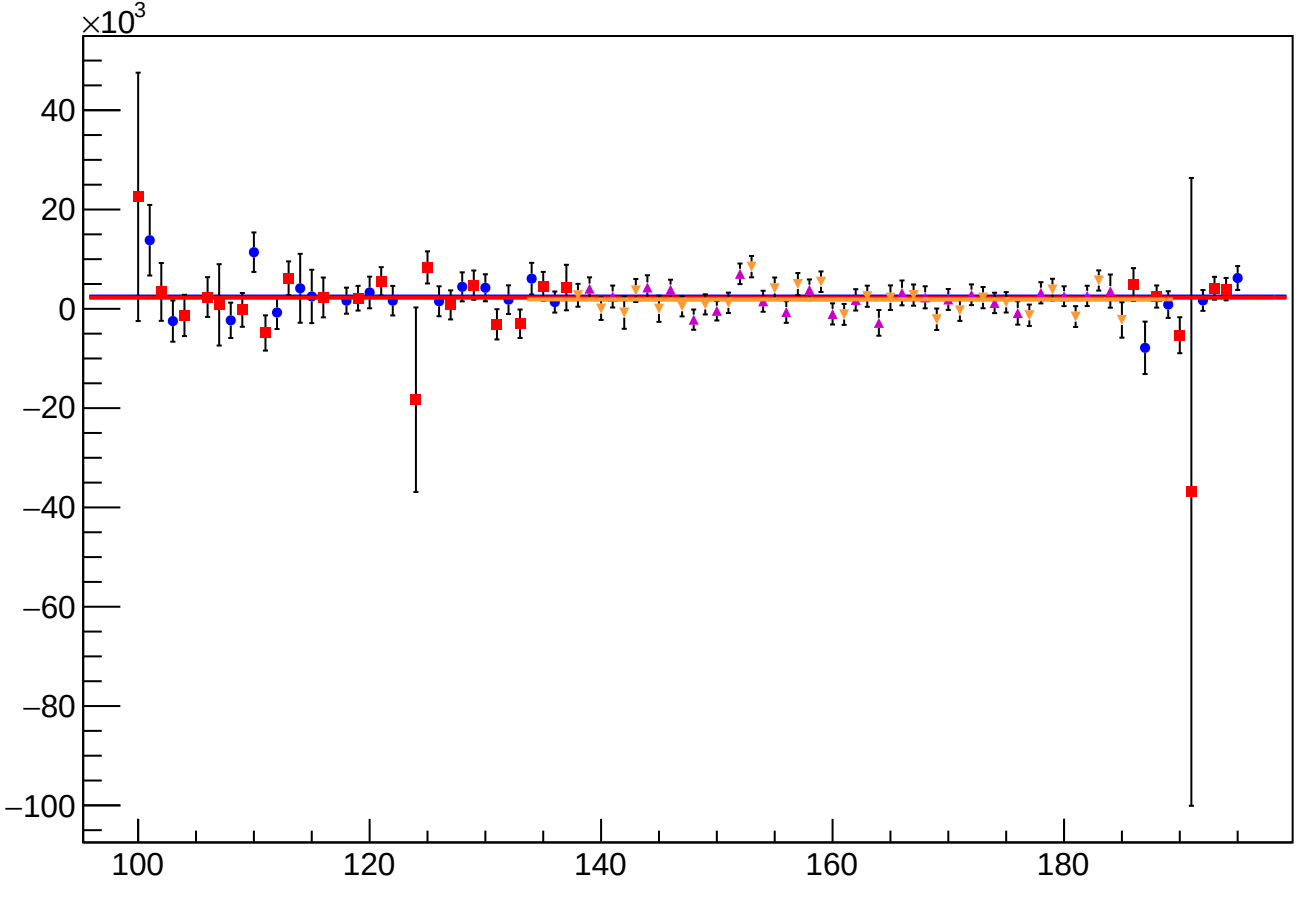
Right: 639.989+/-0.107 χ^2/NDF: 4769913.1/44

In: 494.404+/-0.074 χ^2/NDF:10994409.4/42

Out: 514.335+/-0.075 χ^2/NDF:11936726.5/49

All: 504.310+/-0.053 χ^2/NDF: 22967100.1/92

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2476.446+/-689.880 χ^2/NDF: 21.4/19

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2238.332+/-667.264 χ^2/NDF: 28.3/24

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

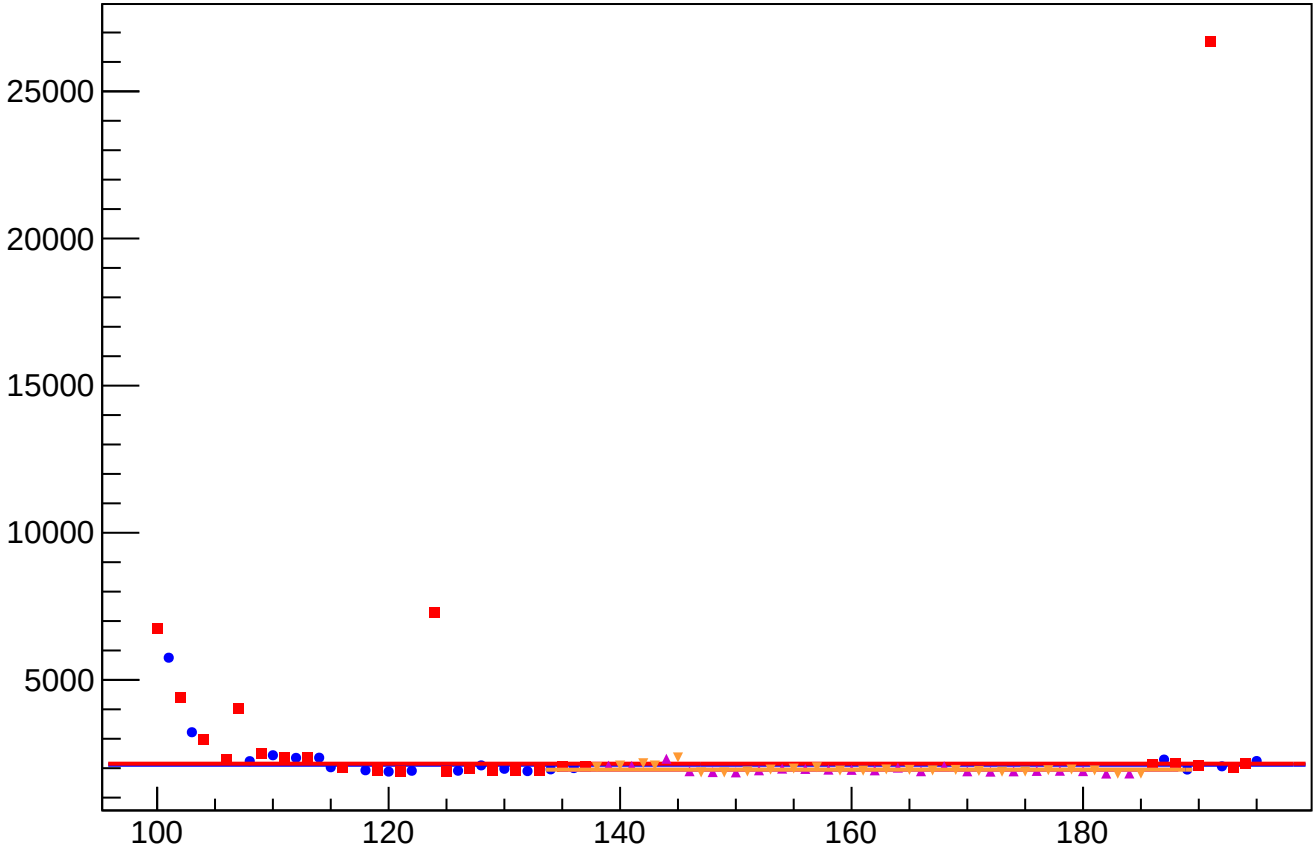
Right: 2353.422+/-479.623 χ^2/NDF: 49.8/44

In: 2093.192+/-379.758 χ^2/NDF:46.6/42

Out: 2008.785+/-369.370 χ^2/NDF:64.8/49

All: 2049.818+/-264.781 χ^2/NDF: 111.4/92

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2116.537+/-0.488 χ^2/NDF: 776483.9/19

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2153.312+/-0.472 χ^2/NDF: 1137039.7/24

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

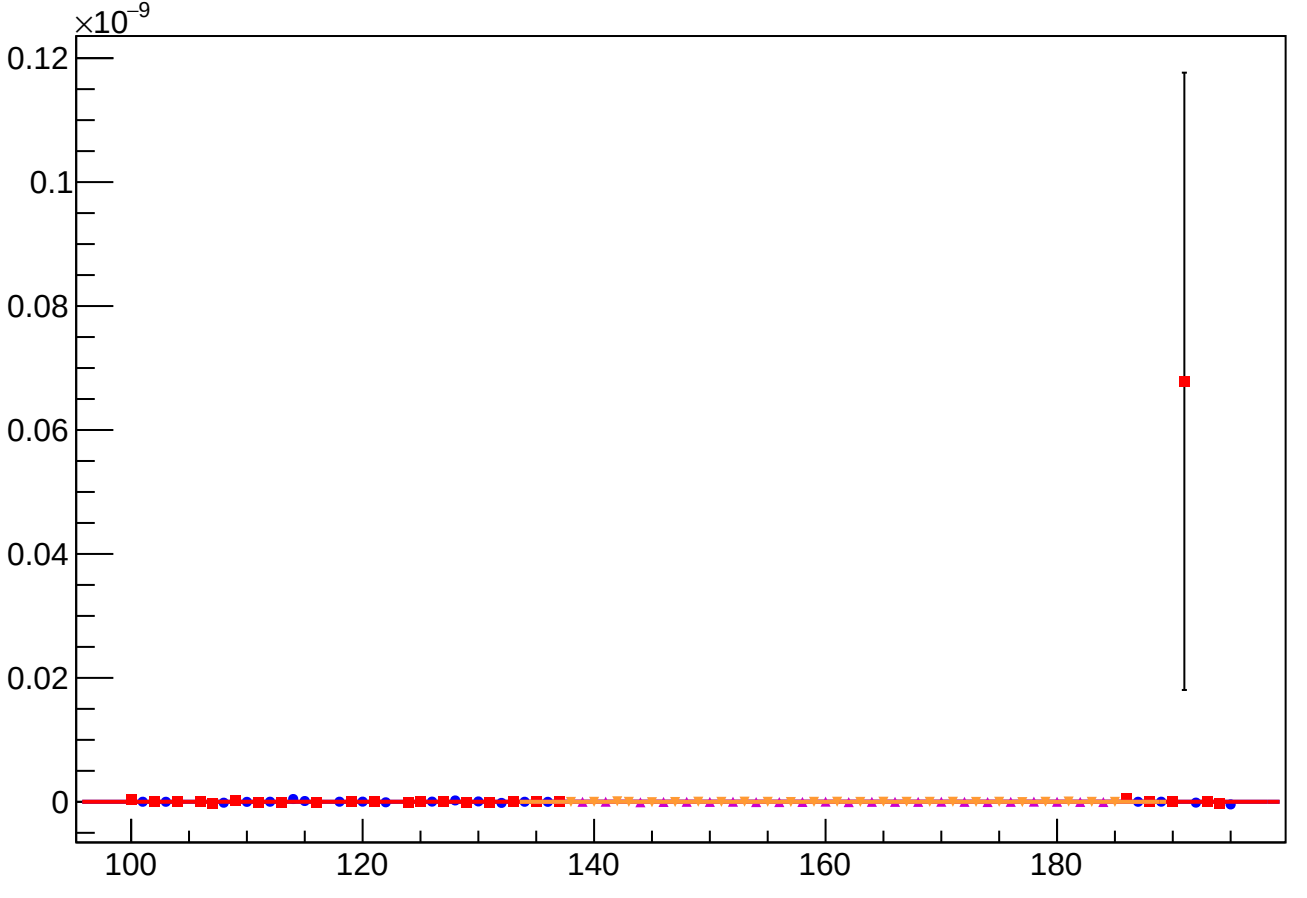
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2135.537+/-0.339 χ^2/NDF: 1916459.9/44

In: 1997.071+/-0.269 χ^2/NDF:958488.2/42

Out: 2011.608+/-0.261 χ^2/NDF:1375614.0/49

All: 2004.541+/-0.187 χ^2/NDF: 2335608.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

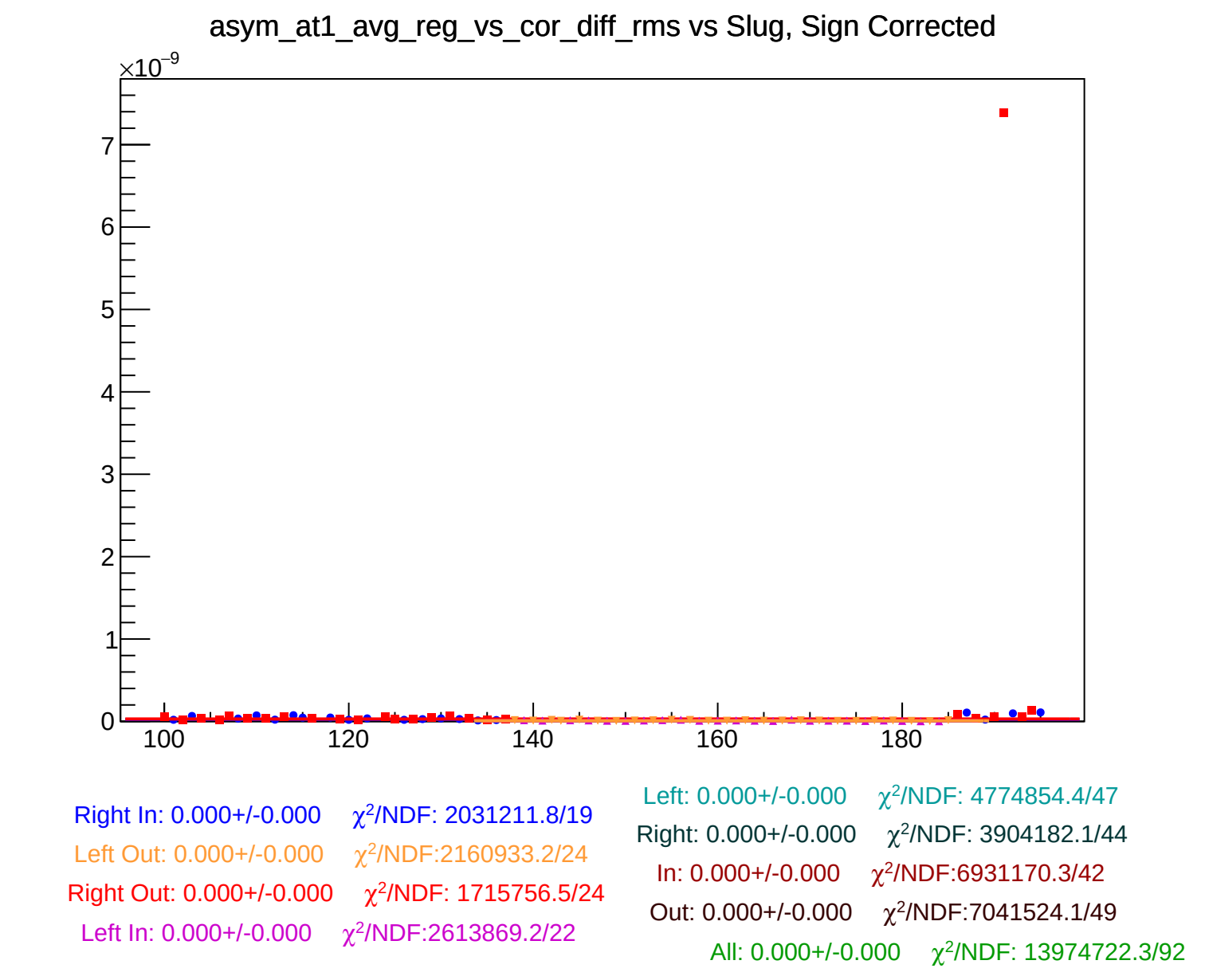
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 45.8/44

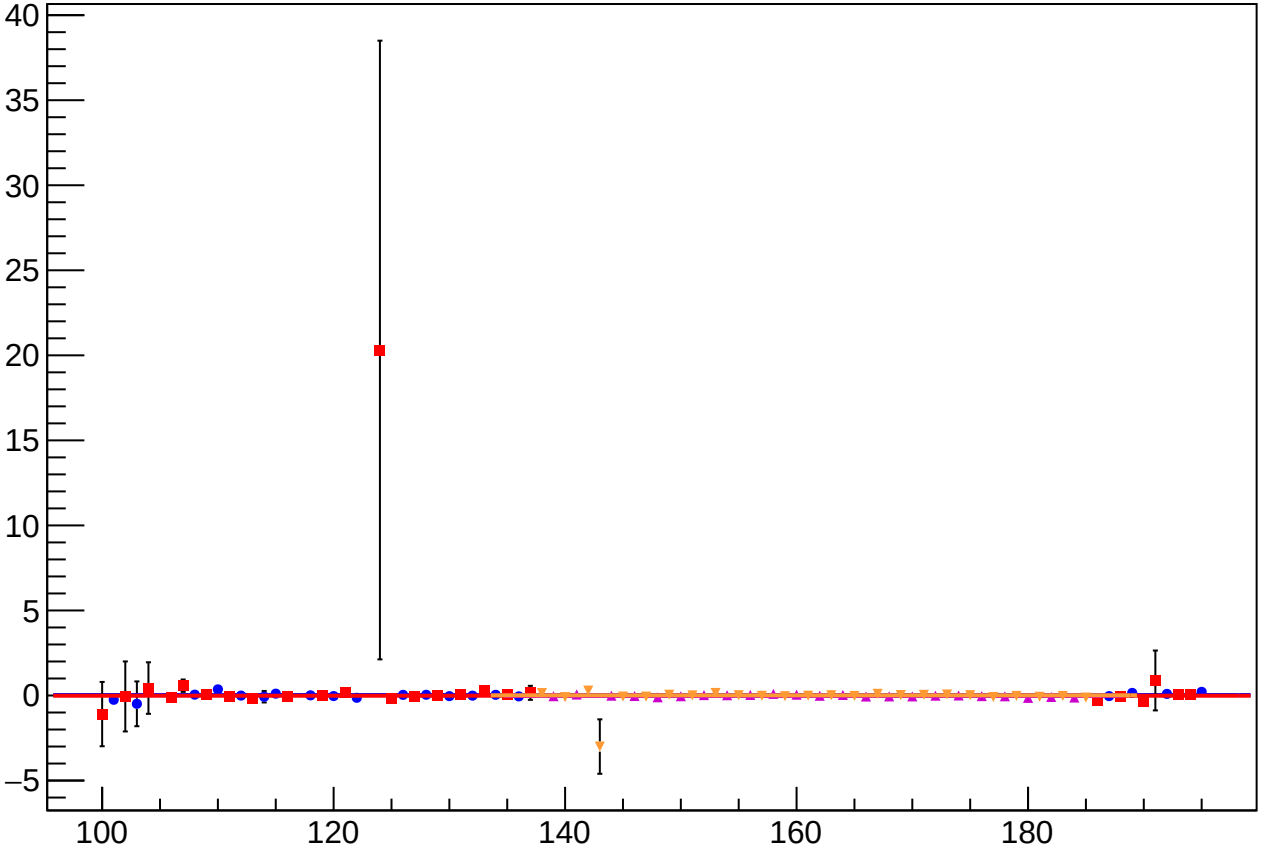
In: -0.000+/-0.000 χ^2/NDF:54.5/42

Out: 0.000+/-0.000 χ^2/NDF:52.5/49

All: -0.000+/-0.000 χ^2/NDF: 107.5/92


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
Right In: 0.000+/-0.000 χ²/NDF: 2031211.8/19
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 1715756.5/24
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: 3904182.1/44
In: 0.000+/-0.000 χ²/NDF:6931170.3/42
Out: 0.000+/-0.000 χ²/NDF:7041524.1/49
All: 0.000+/-0.000 χ²/NDF: 13974722.3/92

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 16.4/19

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.012+/-0.023 χ^2/NDF: 23.8/24

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

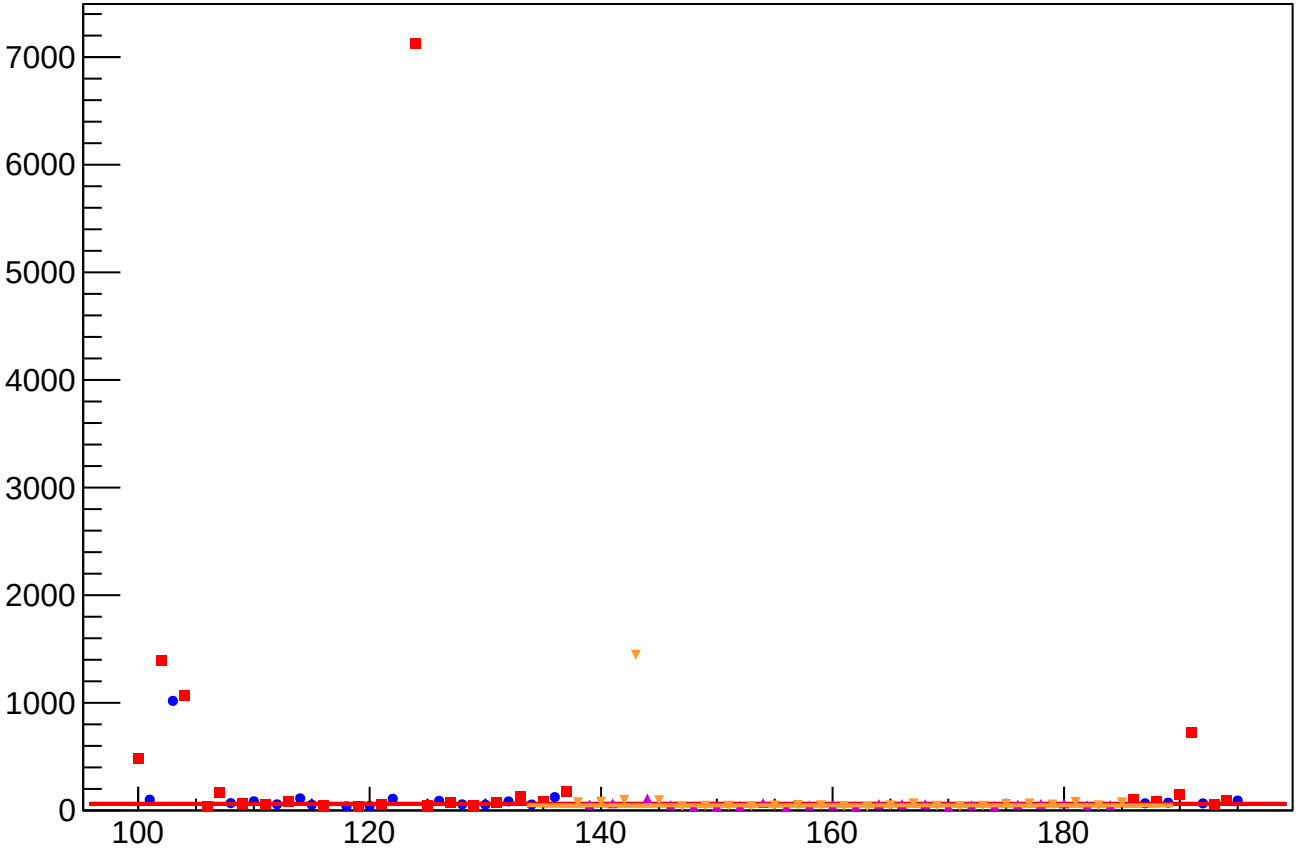
Right: 0.006+/-0.016 χ^2/NDF: 41.6/44

In: -0.009+/-0.011 χ^2/NDF:39.4/42

Out: 0.006+/-0.011 χ^2/NDF:54.3/49

All: -0.002+/-0.008 χ^2/NDF: 94.6/92

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.291+/-0.017 χ^2/NDF: 2697115.9/19

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 59.623+/-0.016 χ^2/NDF: 4516268.1/24

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

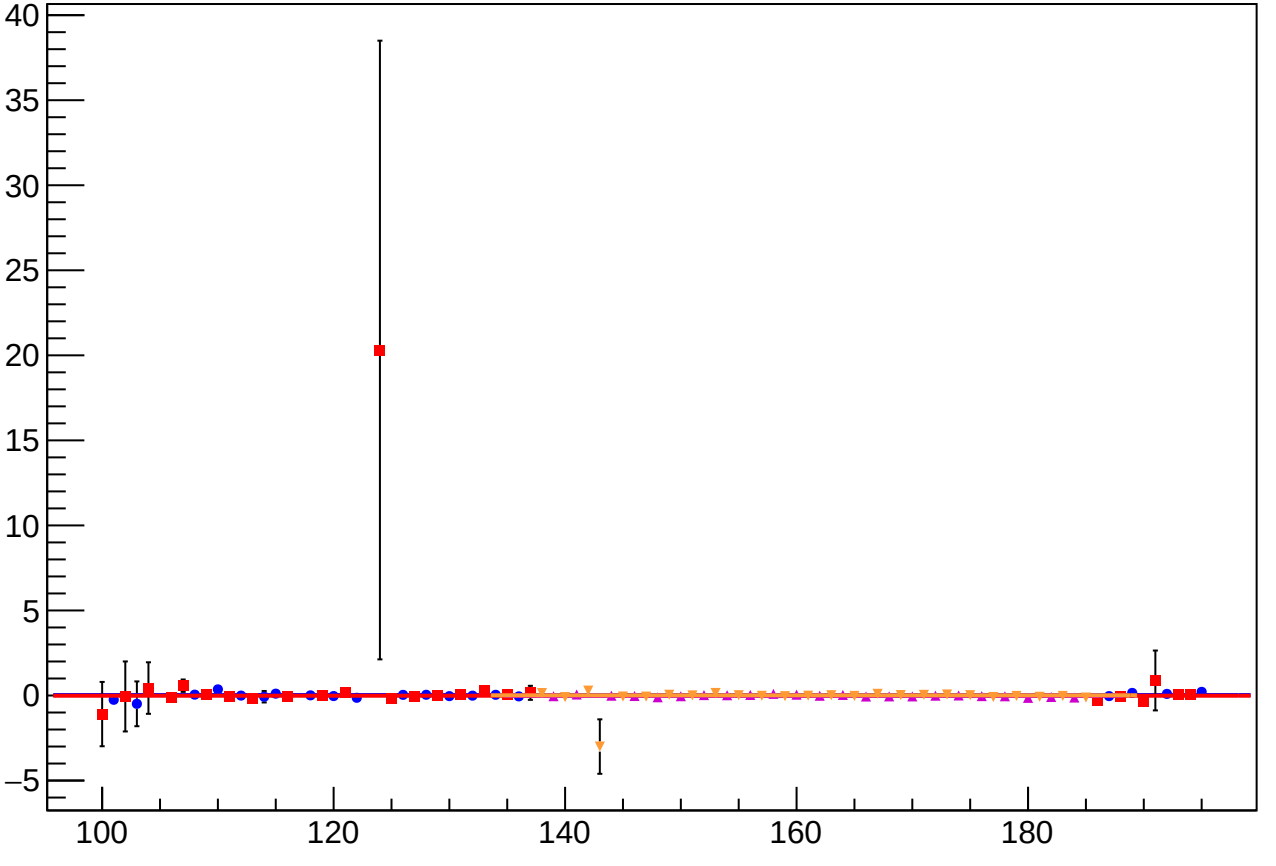
Right: 60.884+/-0.012 χ^2/NDF: 7226554.0/44

In: 50.018+/-0.008 χ^2/NDF:5314070.7/42

Out: 50.628+/-0.008 χ^2/NDF:8425739.7/49

All: 50.323+/-0.005 χ^2/NDF: 13742936.3/92

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 16.4/19

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.012+/-0.023 χ^2/NDF: 23.8/24

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

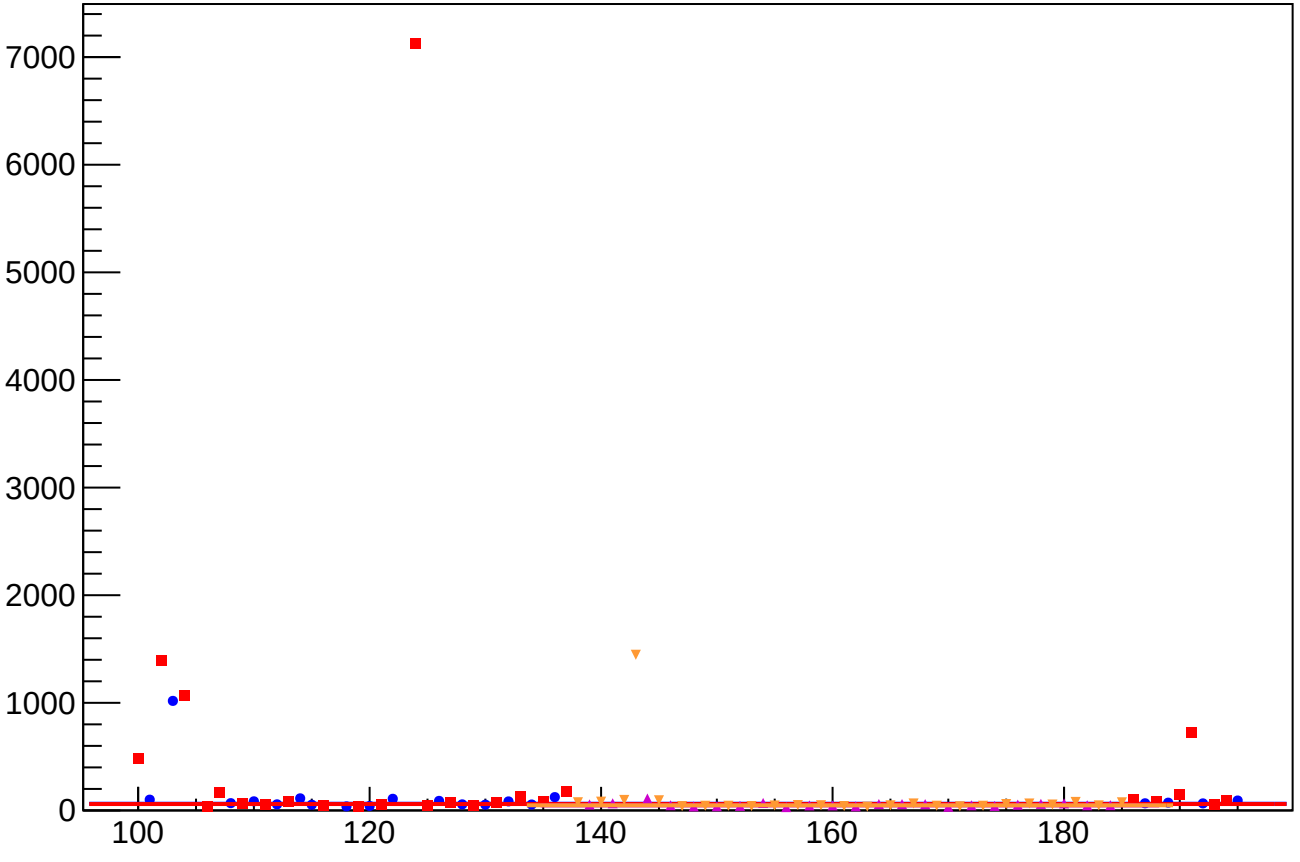
Right: 0.006+/-0.016 χ^2/NDF: 41.6/44

In: -0.009+/-0.011 χ^2/NDF:39.4/42

Out: 0.006+/-0.011 χ^2/NDF:54.3/49

All: -0.002+/-0.008 χ^2/NDF: 94.6/92

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.291+/-0.017 χ^2/NDF: 2697115.9/19

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 59.623+/-0.016 χ^2/NDF: 4516268.1/24

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

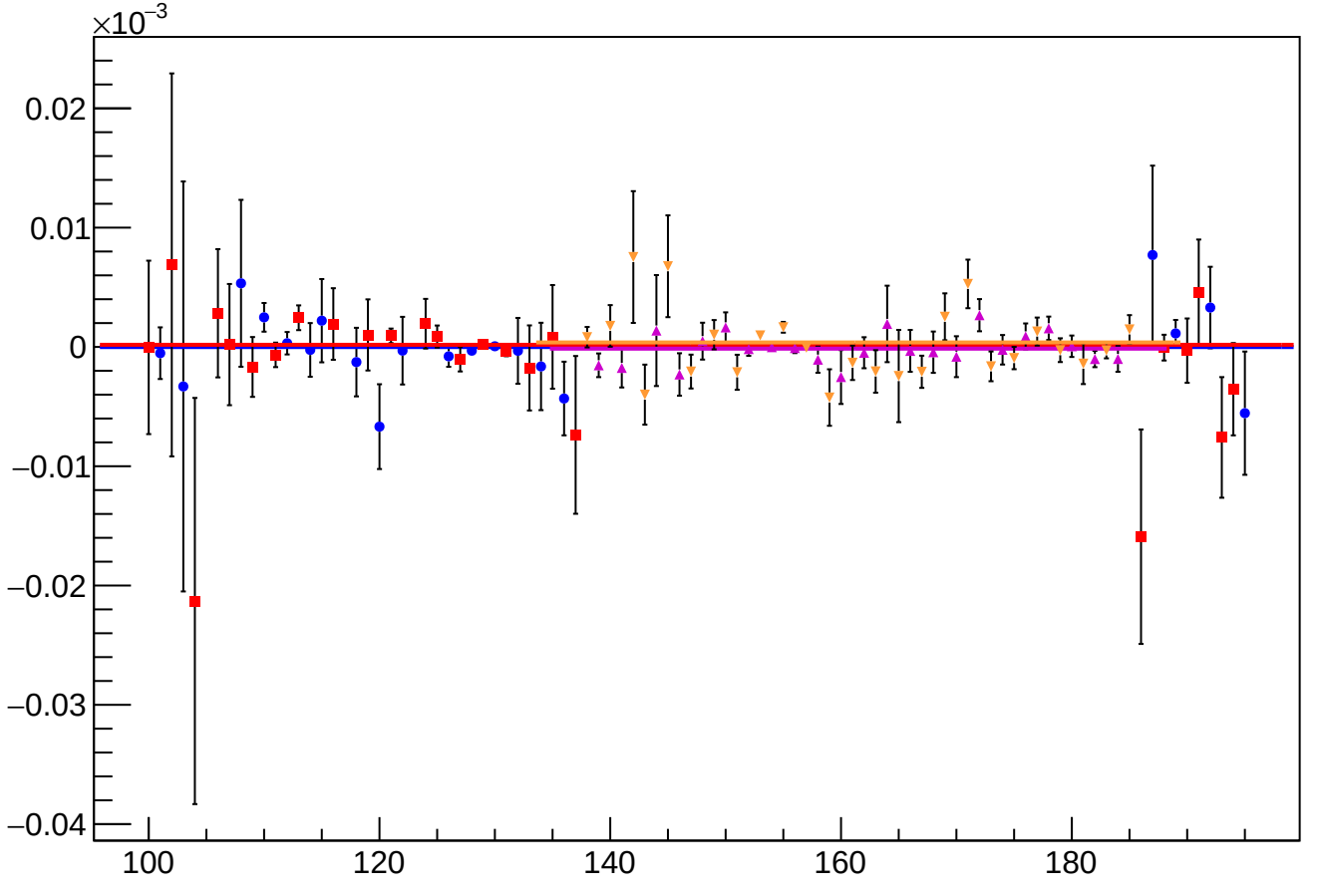
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 60.884+/-0.012 χ^2/NDF: 7226554.0/44

In: 50.018+/-0.008 χ^2/NDF:5314070.7/42

Out: 50.628+/-0.008 χ^2/NDF:8425739.7/49

All: 50.323+/-0.005 χ^2/NDF: 13742936.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/24

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

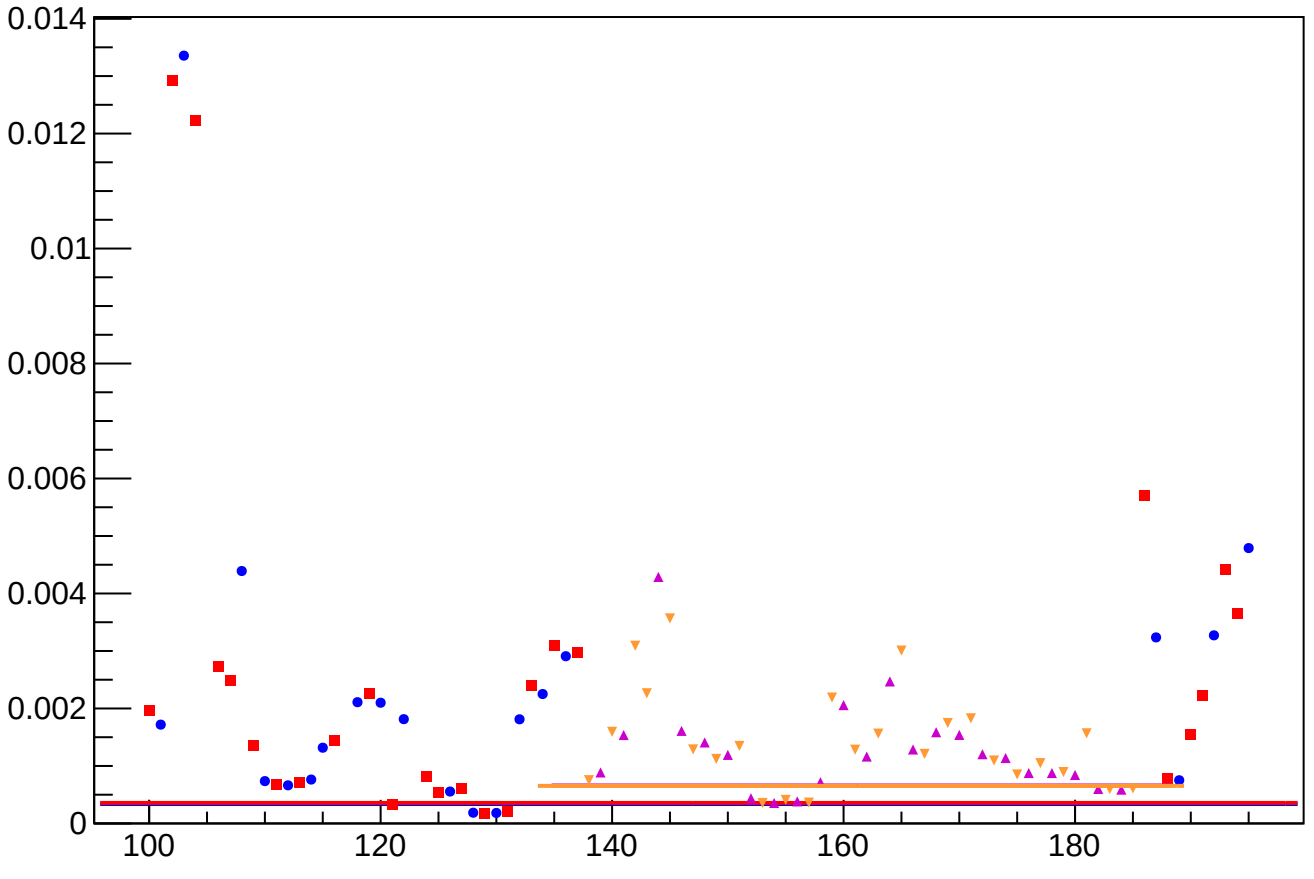
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 40.8/44

In: -0.000+/-0.000 χ^2/NDF:37.2/42

Out: 0.000+/-0.000 χ^2/NDF:75.5/49

All: 0.000+/-0.000 χ^2/NDF: 116.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 12330560.1/19

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12609300.8/24

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

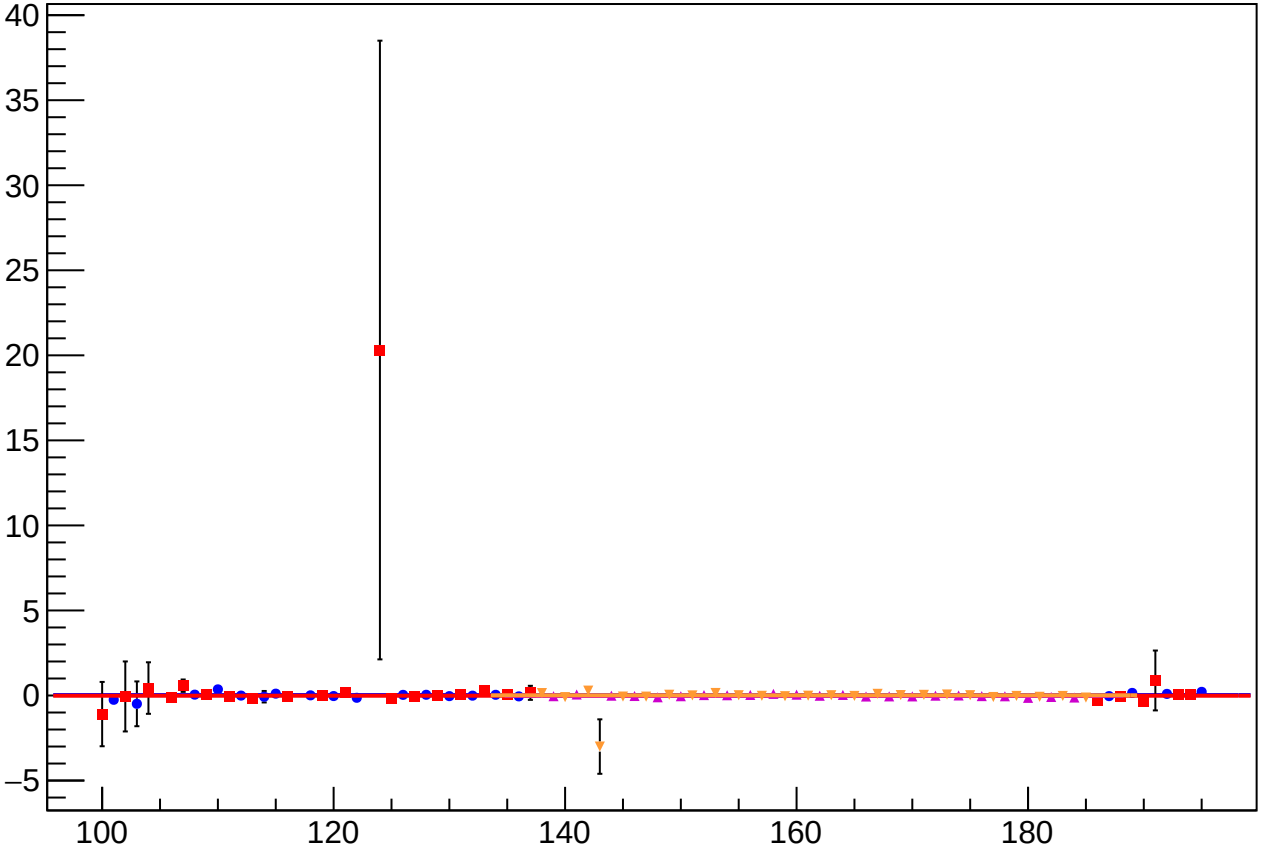
Right: 0.000+/-0.000 χ^2/NDF: 24949951.1/44

In: 0.001+/-0.000 χ^2/NDF:24940670.0/42

Out: 0.001+/-0.000 χ^2/NDF:27247707.7/49

All: 0.001+/-0.000 χ^2/NDF: 52192963.4/92

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 16.4/19

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.012+/-0.023 χ^2/NDF: 23.8/24

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

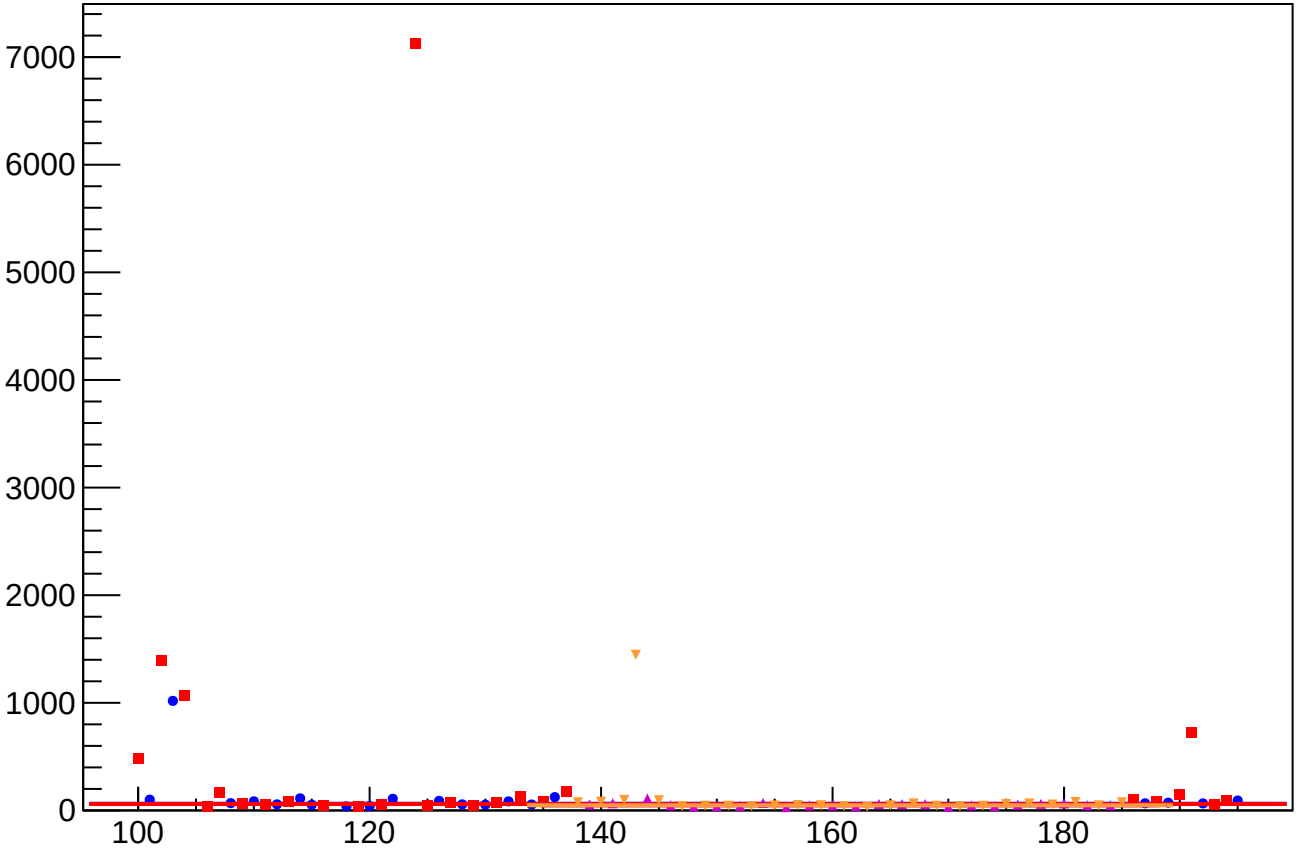
Right: 0.006+/-0.016 χ^2/NDF: 41.6/44

In: -0.009+/-0.011 χ^2/NDF:39.4/42

Out: 0.006+/-0.011 χ^2/NDF:54.3/49

All: -0.002+/-0.008 χ^2/NDF: 94.6/92

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.291+/-0.017 χ^2/NDF: 2697153.2/19

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 59.622+/-0.016 χ^2/NDF: 4516378.2/24

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

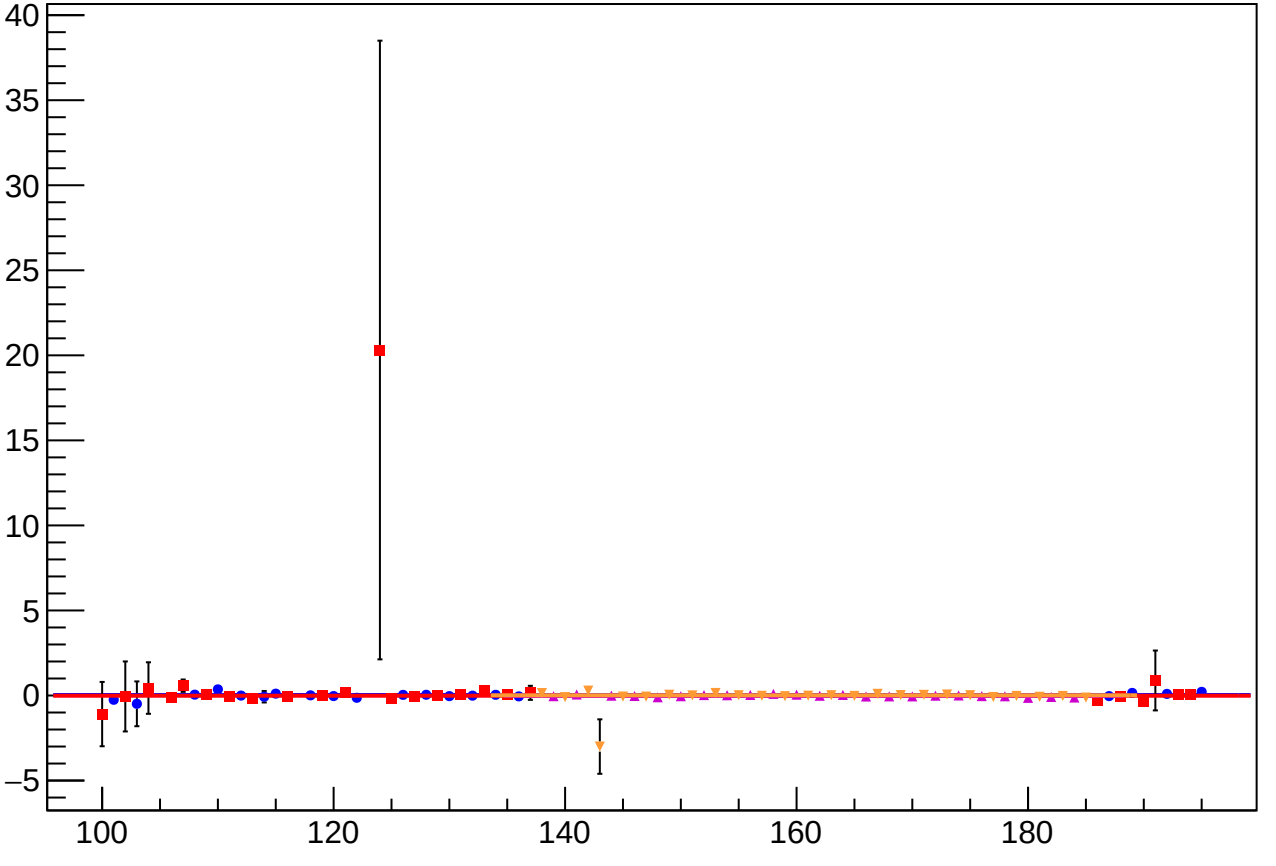
Right: 60.883+/-0.012 χ^2/NDF: 7226711.4/44

In: 50.018+/-0.008 χ^2/NDF:5314100.1/42

Out: 50.628+/-0.008 χ^2/NDF:8425742.0/49

All: 50.323+/-0.005 χ^2/NDF: 13742968.1/92

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 16.4/19

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.012+/-0.023 χ^2/NDF: 23.8/24

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

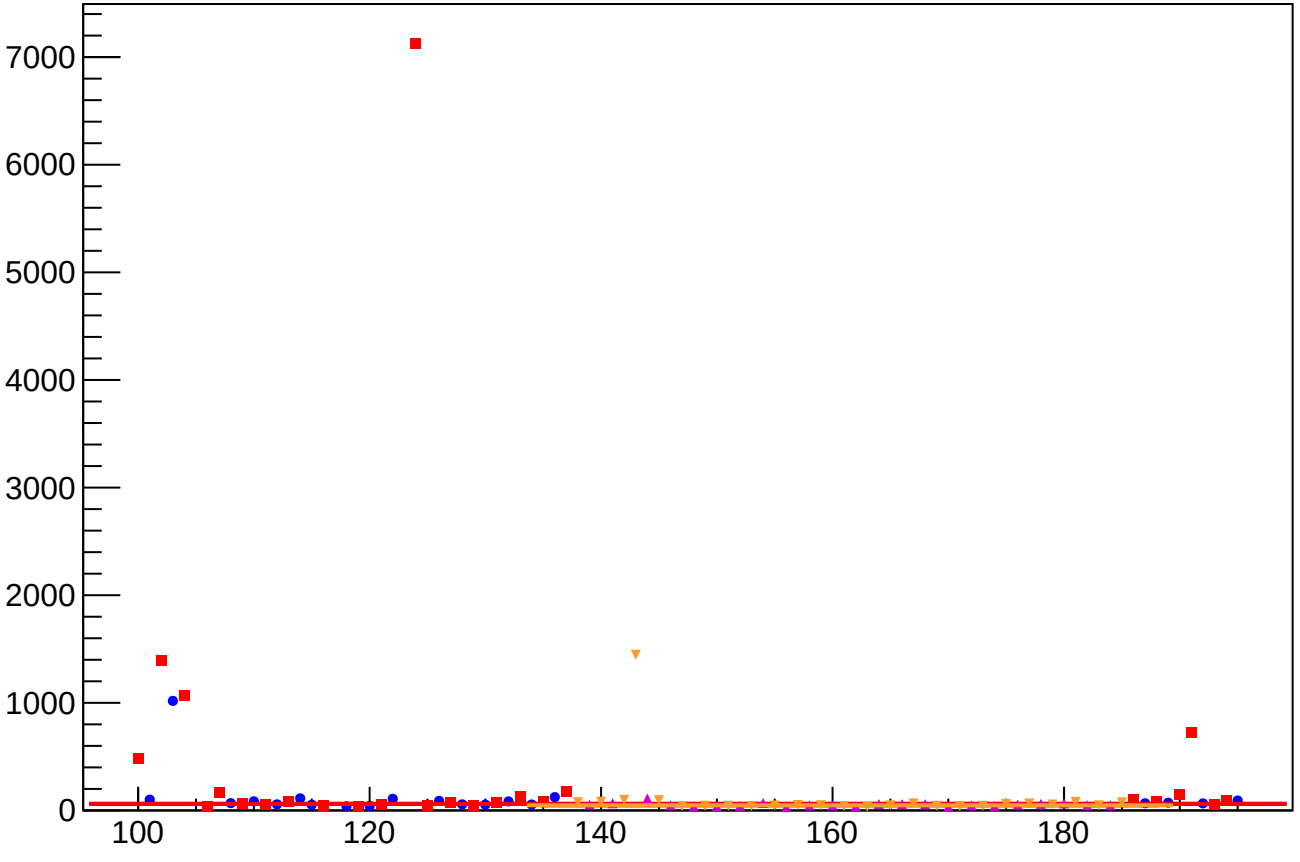
Right: 0.006+/-0.016 χ^2/NDF: 41.6/44

In: -0.009+/-0.011 χ^2/NDF:39.4/42

Out: 0.006+/-0.011 χ^2/NDF:54.3/49

All: -0.002+/-0.008 χ^2/NDF: 94.6/92

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.291+/-0.017 χ^2/NDF: 2697153.2/19

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 59.622+/-0.016 χ^2/NDF: 4516378.2/24

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

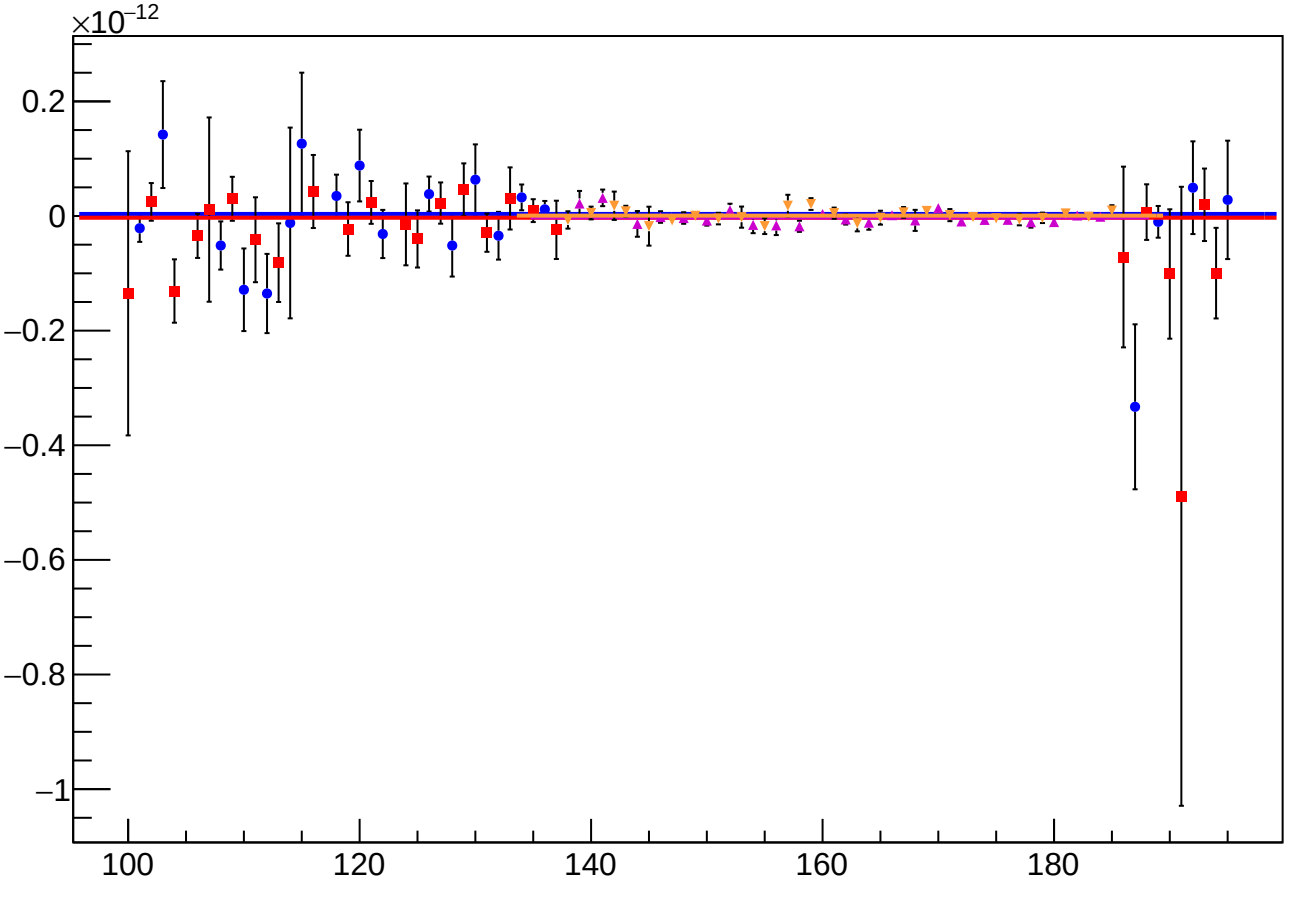
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 60.883+/-0.012 χ^2/NDF: 7226711.4/44

In: 50.018+/-0.008 χ^2/NDF:5314100.1/42

Out: 50.628+/-0.008 χ^2/NDF:8425742.0/49

All: 50.323+/-0.005 χ^2/NDF: 13742968.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/24

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

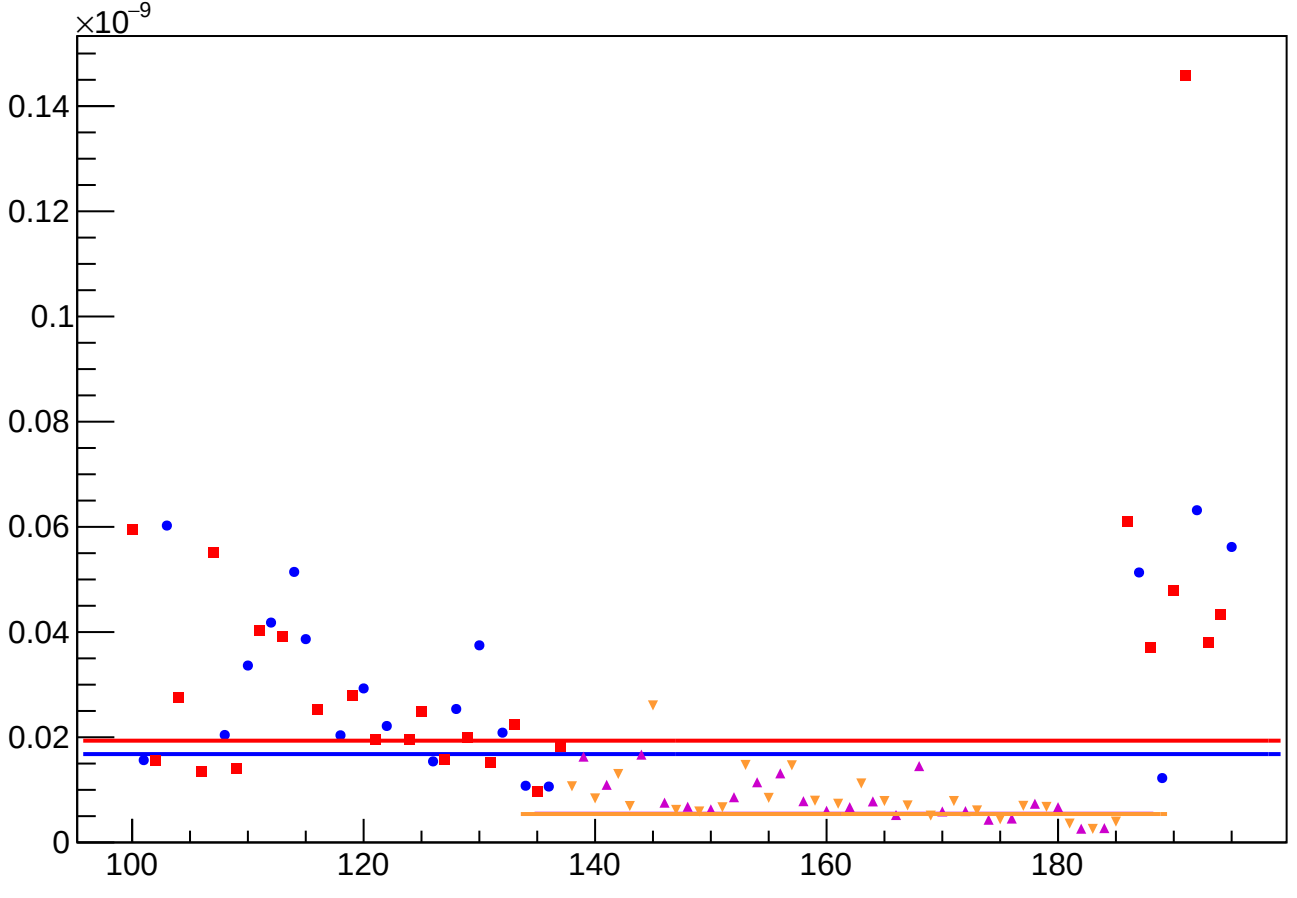
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 46.8/44

In: -0.000+/-0.000 χ^2/NDF:51.1/42

Out: 0.000+/-0.000 χ^2/NDF:33.0/49

All: -0.000+/-0.000 χ^2/NDF: 85.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 3018496.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2277579.4/24

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

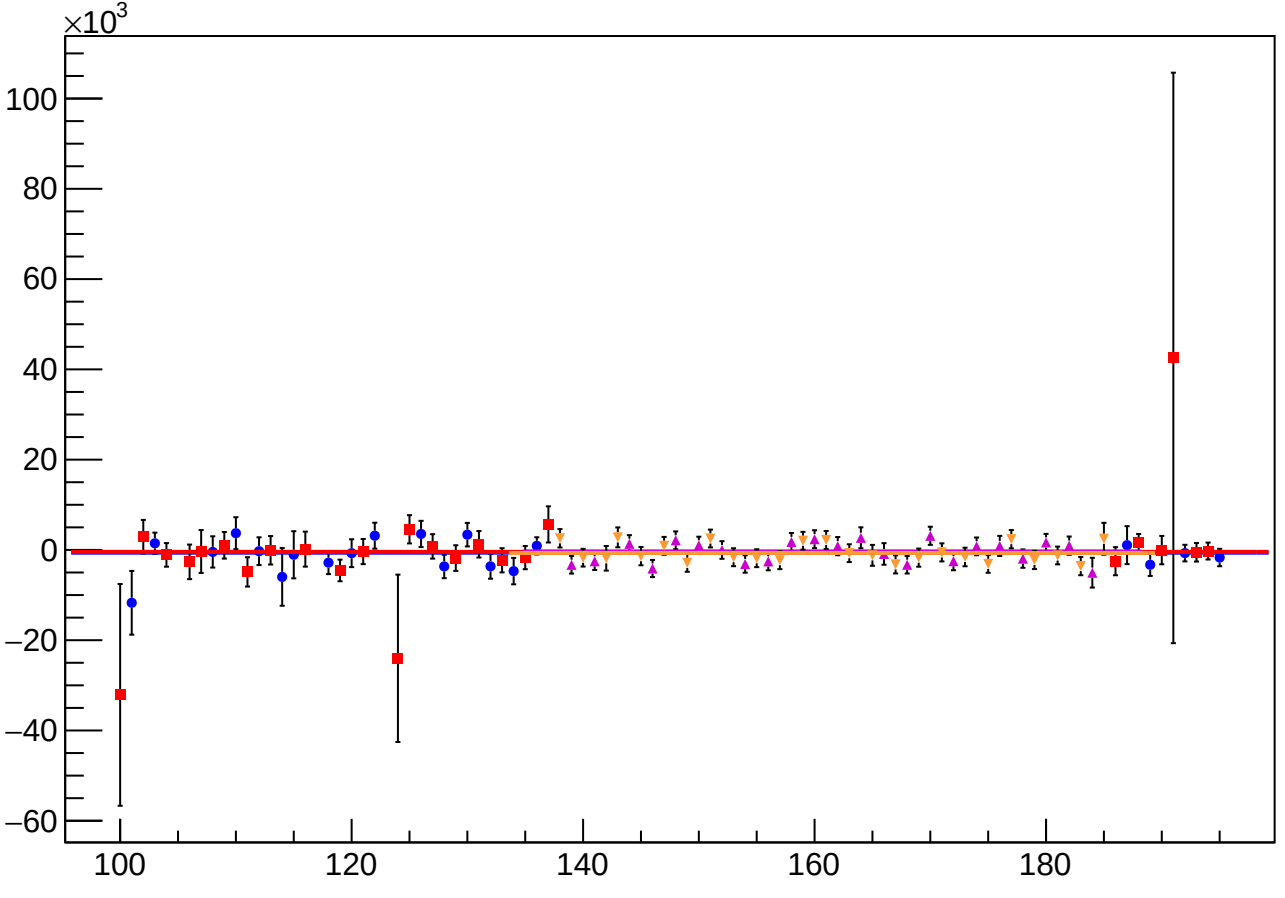
Right: 0.000+/-0.000 χ^2/NDF: 5380350.7/44

In: 0.000+/-0.000 χ^2/NDF:11602863.9/42

Out: 0.000+/-0.000 χ^2/NDF:11711188.4/49

All: 0.000+/-0.000 χ^2/NDF: 23318689.7/92

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -607.441+/-616.011 χ^2/NDF: 19.1/19

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -422.107+/-593.556 χ^2/NDF: 18.0/24

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

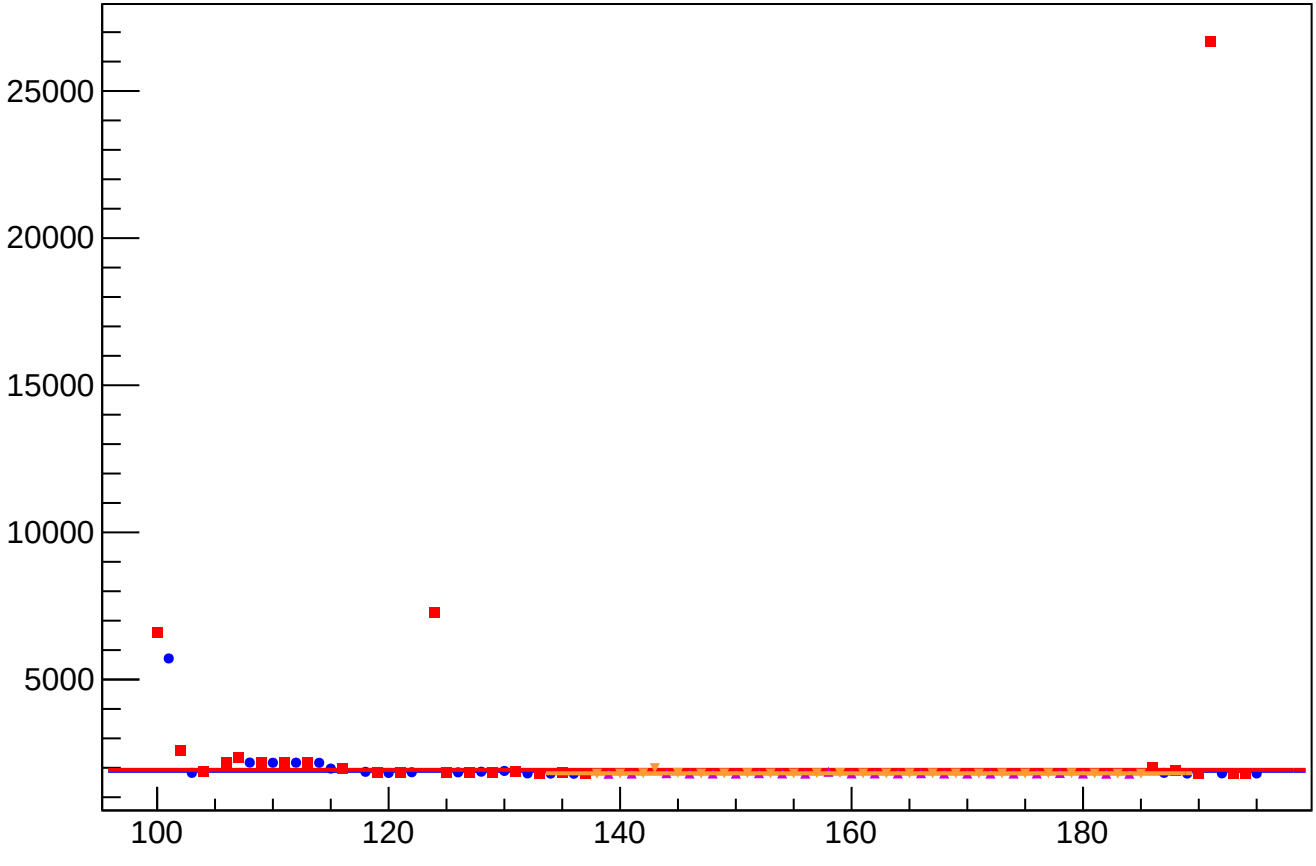
Right: -511.335+/-427.425 χ^2/NDF: 37.2/44

In: -427.620+/-348.542 χ^2/NDF:49.3/42

Out: -589.372+/-338.570 χ^2/NDF:42.9/49

All: -510.843+/-242.854 χ^2/NDF: 92.3/92

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1896.975+/-0.436 χ^2/NDF: 657206.2/19

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1930.447+/-0.420 χ^2/NDF: 714648.2/24

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

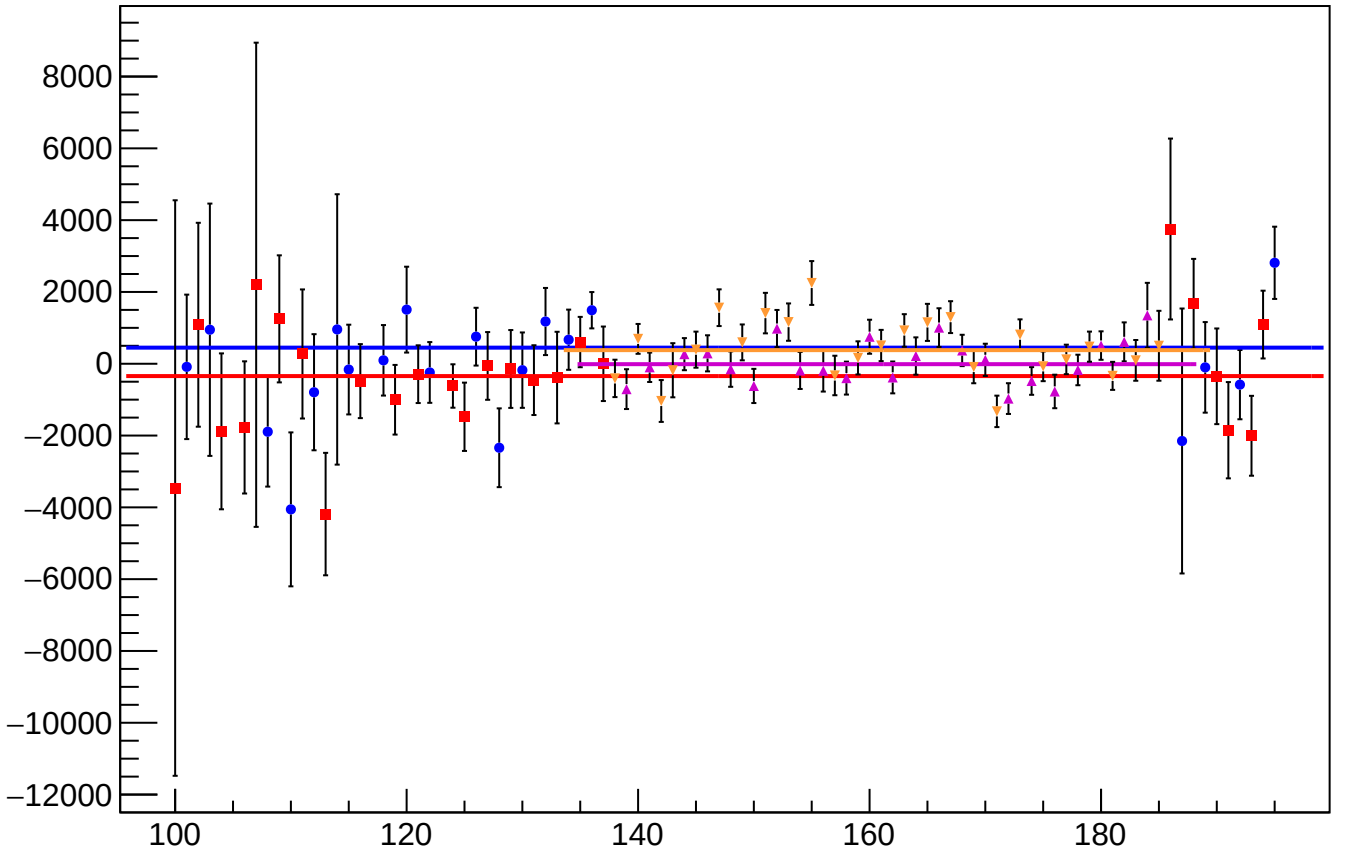
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1914.332+/-0.302 χ^2/NDF: 1374916.6/44

In: 1838.155+/-0.246 χ^2/NDF:685995.0/42

Out: 1852.181+/-0.239 χ^2/NDF:779295.5/49

All: 1845.372+/-0.172 χ^2/NDF: 1466957.0/92



Right In: 448.803+/-237.553 χ^2/NDF: 28.5/19

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -343.294+/-226.507 χ^2/NDF: 22.9/24

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

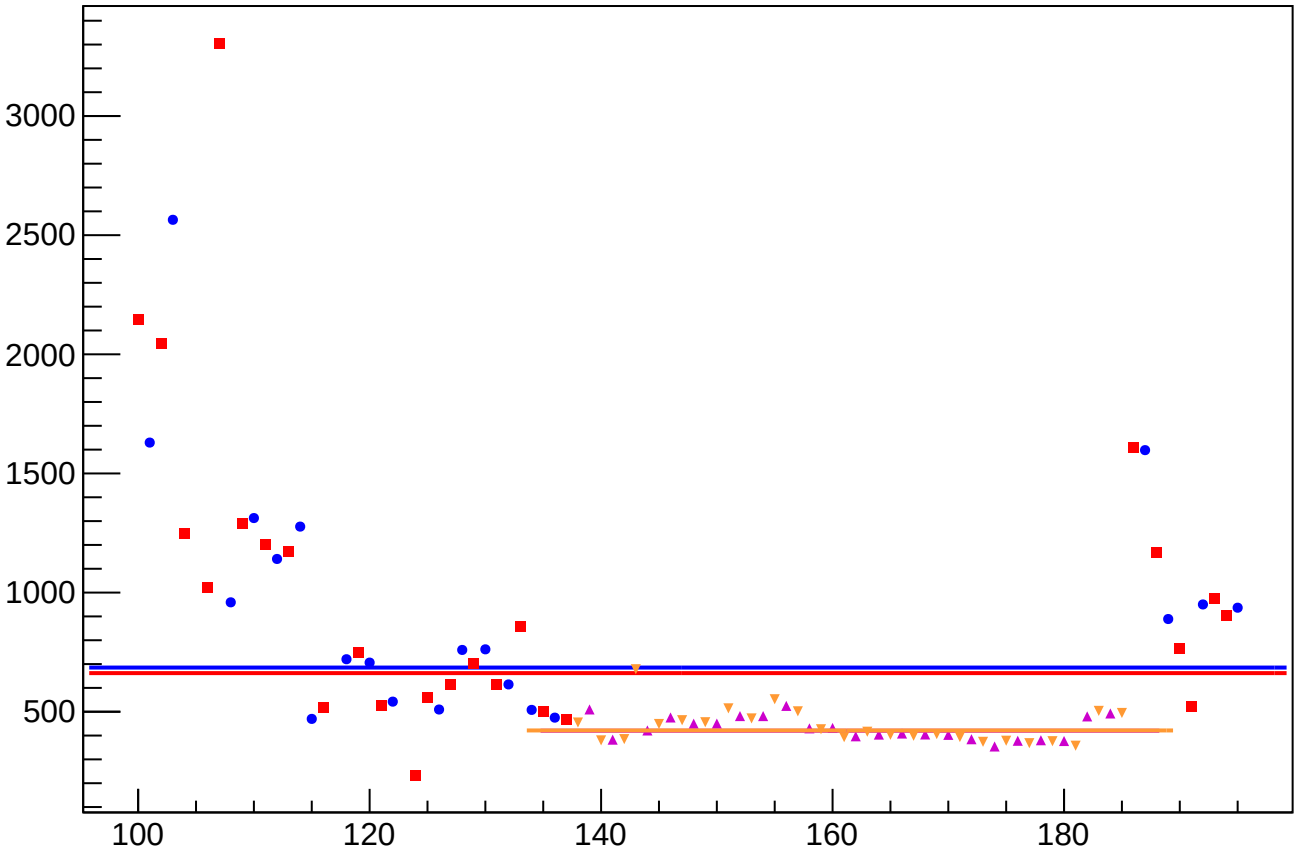
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 33.911+/-163.931 χ^2/NDF: 57.2/44

In: 56.564+/-91.363 χ^2/NDF:62.8/42

Out: 267.338+/-89.178 χ^2/NDF:93.8/49

All: 164.501+/-63.817 χ^2/NDF: 159.4/92



Right In: 685.357+/-0.168 χ^2/NDF: 2587582.4/19

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 662.050+/-0.160 χ^2/NDF: 3998129.8/24

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

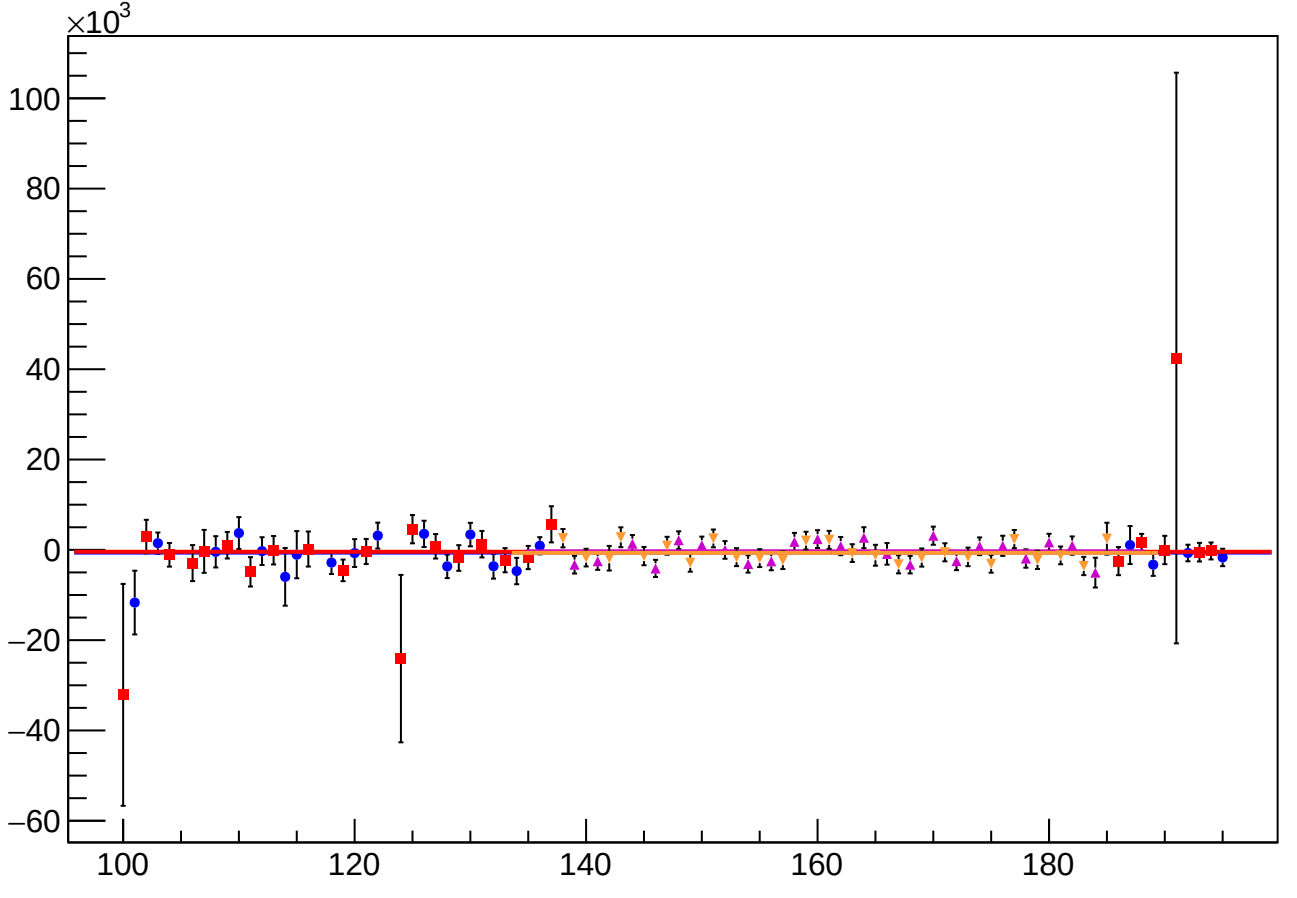
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 673.149+/-0.116 χ^2/NDF: 6595796.7/44

In: 459.441+/-0.065 χ^2/NDF:5123583.1/42

Out: 458.716+/-0.063 χ^2/NDF:6648525.4/49

All: 459.070+/-0.045 χ^2/NDF: 11772172.8/92



Right In: -606.921+/-616.011 χ^2/NDF: 19.1/19

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -424.773+/-594.119 χ^2/NDF: 18.1/24

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

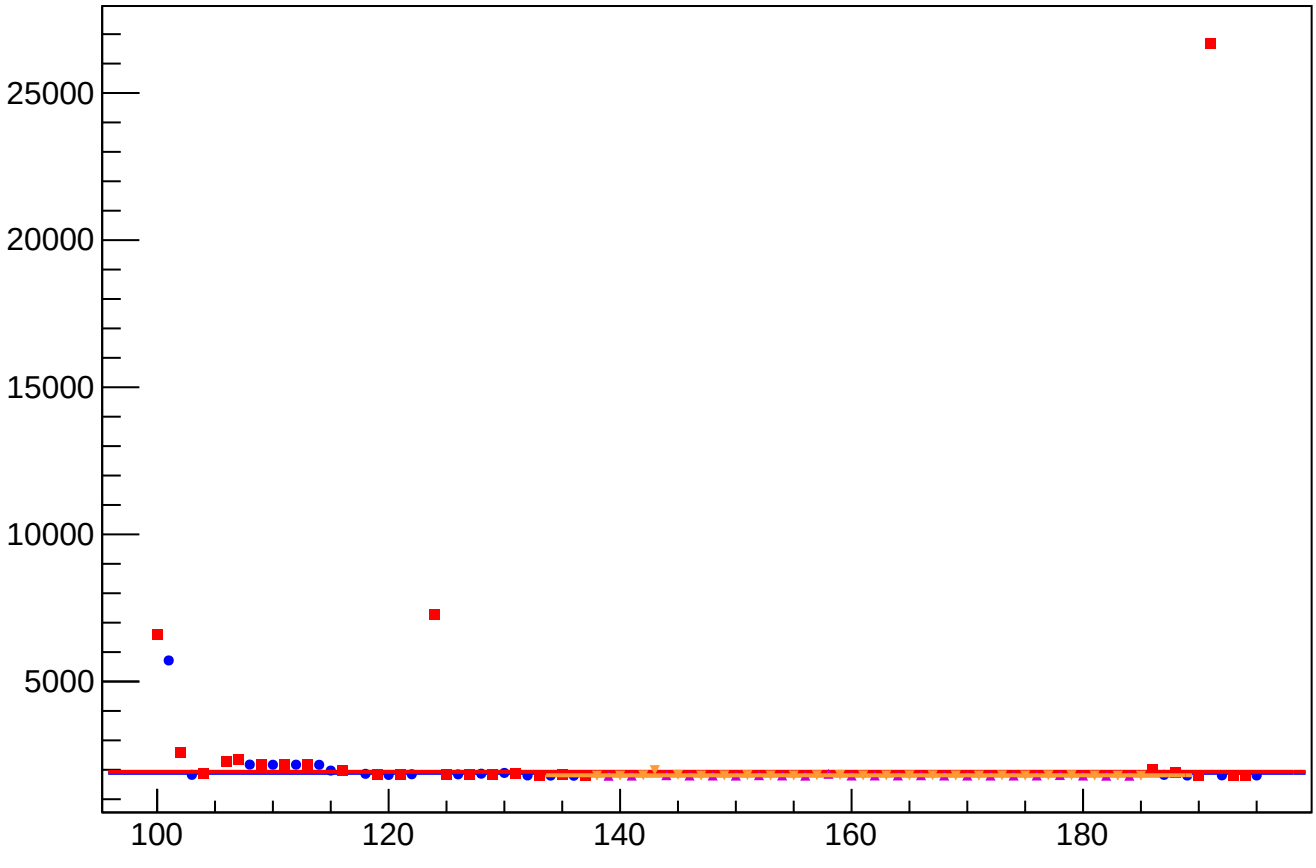
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -512.553+/-427.635 χ^2/NDF: 37.2/44

In: -427.483+/-348.542 χ^2/NDF:49.3/42

Out: -590.334+/-338.674 χ^2/NDF:42.9/49

All: -511.247+/-242.892 χ^2/NDF: 92.3/92



Right In: 1896.975+/-0.436 χ^2/NDF: 657206.1/19

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1931.774+/-0.420 χ^2/NDF: 720052.2/24

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

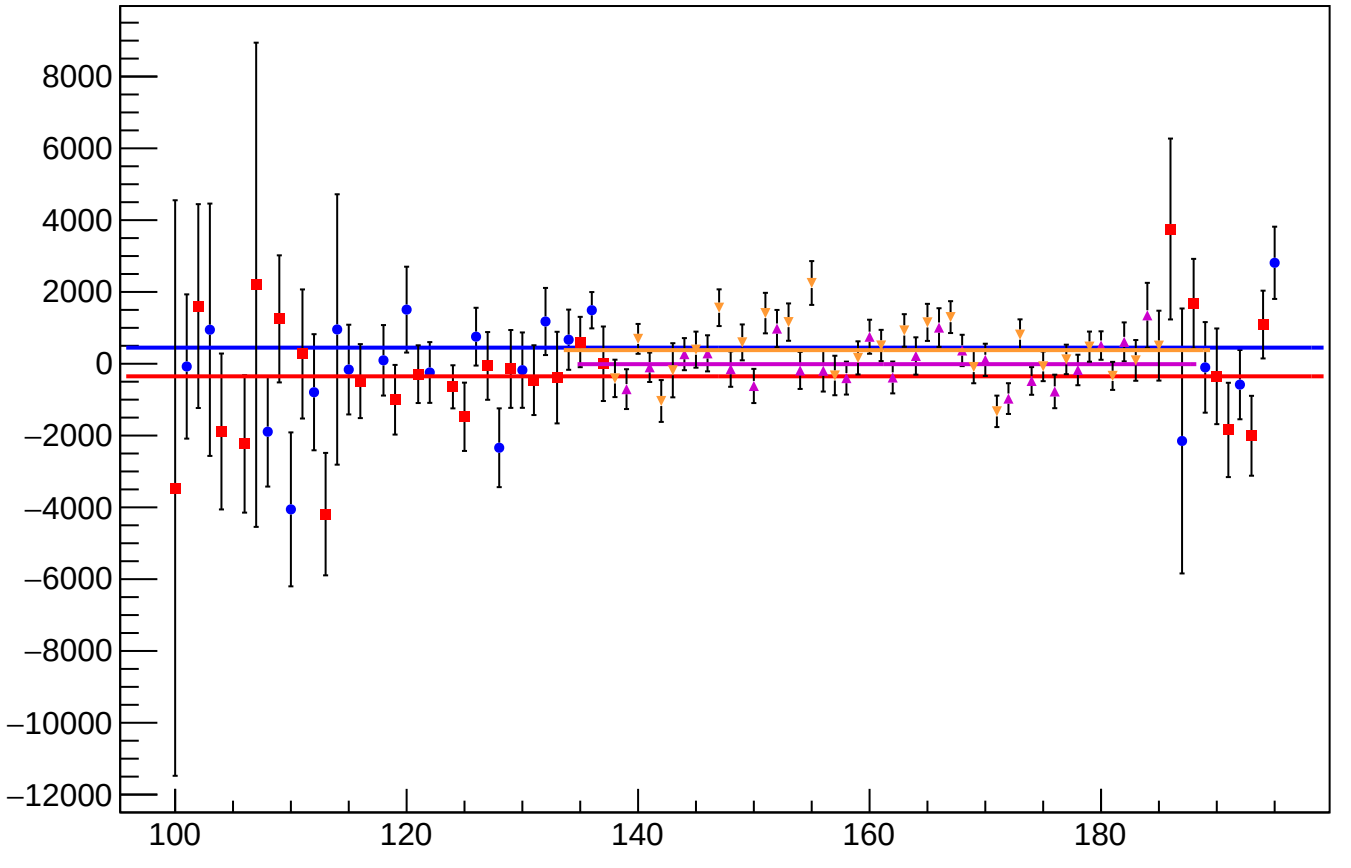
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1915.004+/-0.302 χ^2/NDF: 1380565.0/44

In: 1838.155+/-0.246 χ^2/NDF:685994.9/42

Out: 1852.564+/-0.239 χ^2/NDF:785818.0/49

All: 1845.566+/-0.172 χ^2/NDF: 1473571.1/92



Right In: 448.834+/-237.545 χ^2/NDF: 28.5/19

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -350.289+/-226.263 χ^2/NDF: 23.6/24

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

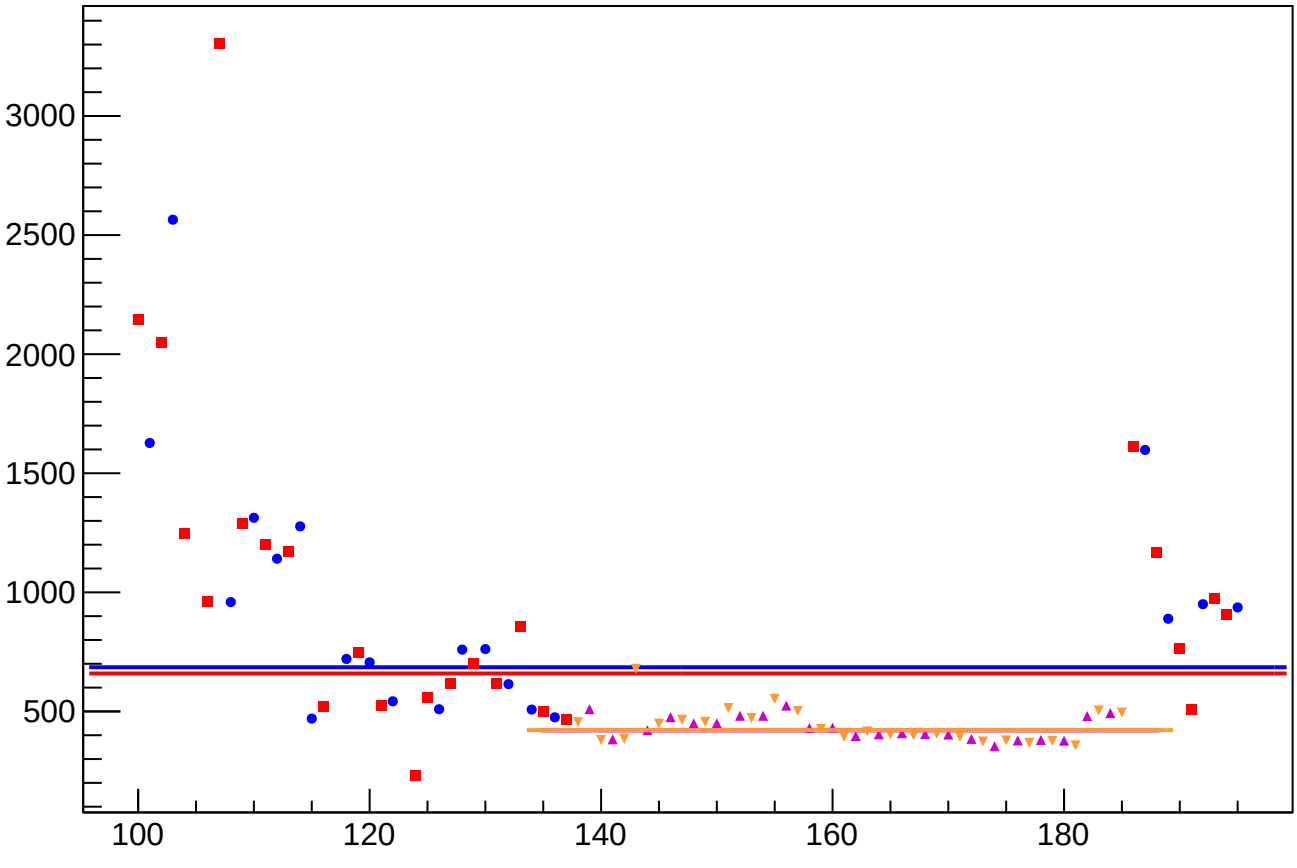
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 29.845+/-163.835 χ^2/NDF: 58.0/44

In: 56.561+/-91.362 χ^2/NDF:62.8/42

Out: 266.037+/-89.163 χ^2/NDF:94.7/49

All: 163.850+/-63.811 χ^2/NDF: 160.2/92



Right In: 685.353+/-0.168 χ^2/NDF: 2586743.2/19

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 659.163+/-0.160 χ^2/NDF: 4001351.8/24

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

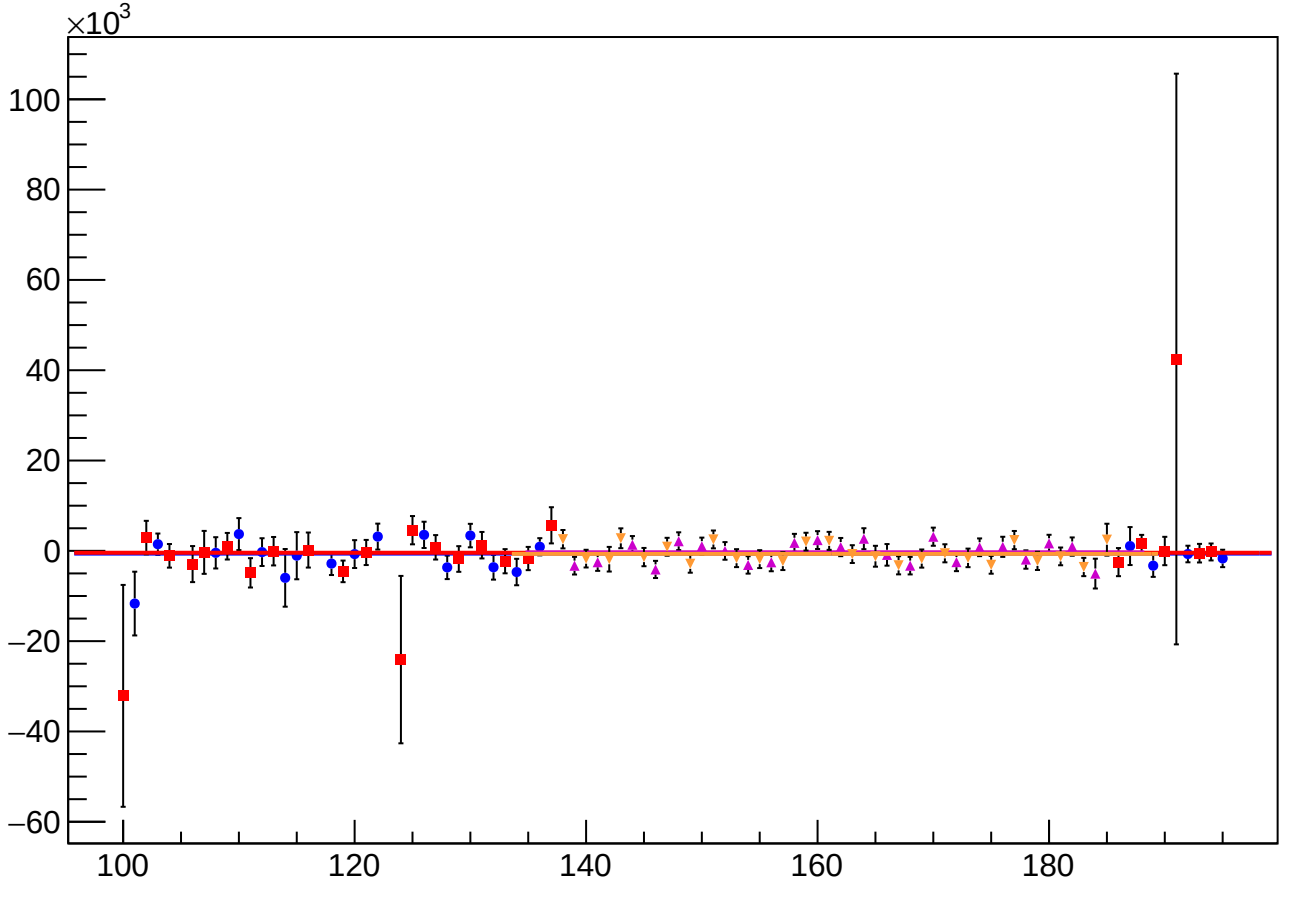
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 671.621+/-0.116 χ^2/NDF: 6600841.2/44

In: 459.438+/-0.065 χ^2/NDF:5122909.6/42

Out: 458.339+/-0.063 χ^2/NDF:6609555.0/49

All: 458.875+/-0.045 χ^2/NDF: 11732612.7/92



Right In: -606.921+/-616.011 χ^2/NDF: 19.1/19

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -424.773+/-594.119 χ^2/NDF: 18.1/24

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

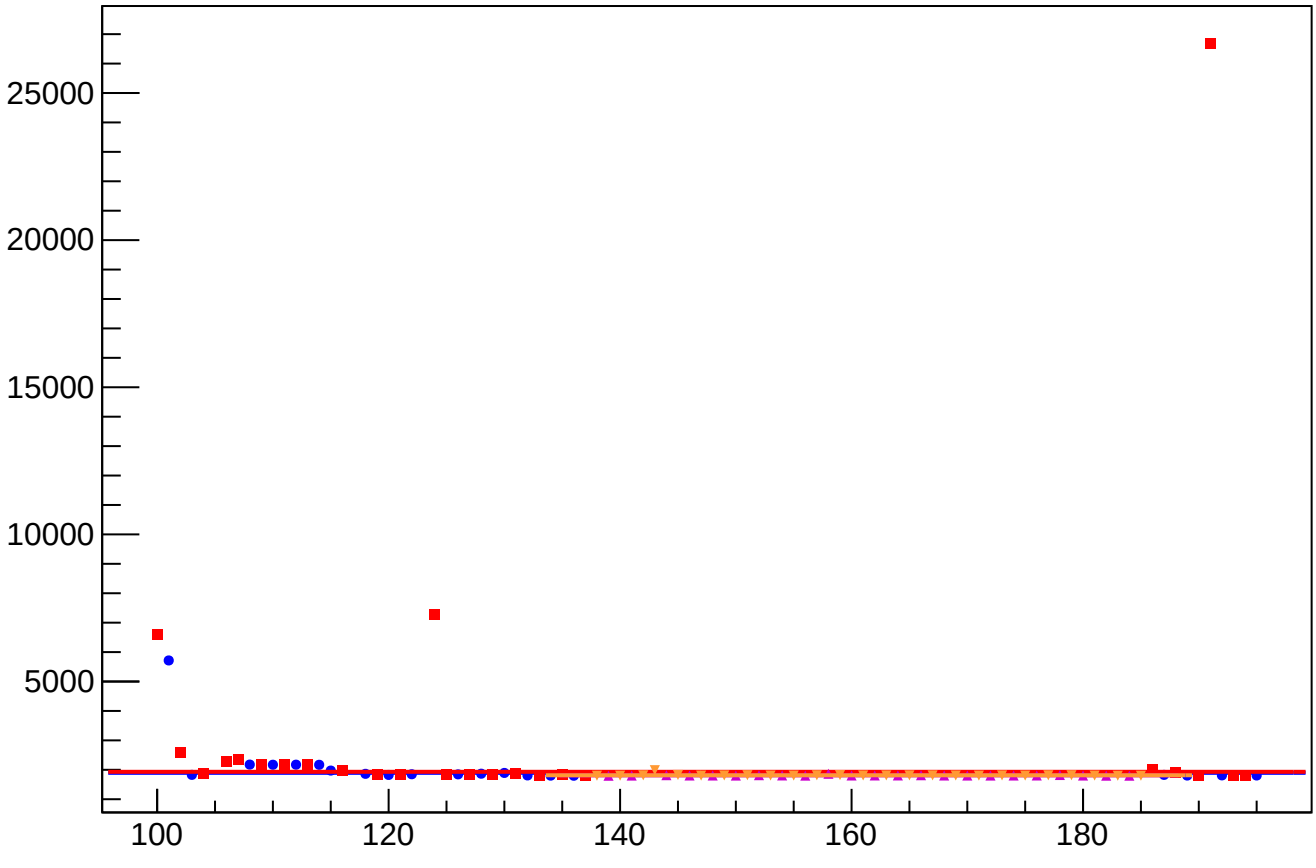
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -512.553+/-427.635 χ^2/NDF: 37.2/44

In: -427.483+/-348.542 χ^2/NDF:49.3/42

Out: -590.334+/-338.674 χ^2/NDF:42.9/49

All: -511.247+/-242.892 χ^2/NDF: 92.3/92



Right In: 1896.975+/-0.436 χ^2/NDF: 657206.1/19

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1931.774+/-0.420 χ^2/NDF: 720052.2/24

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

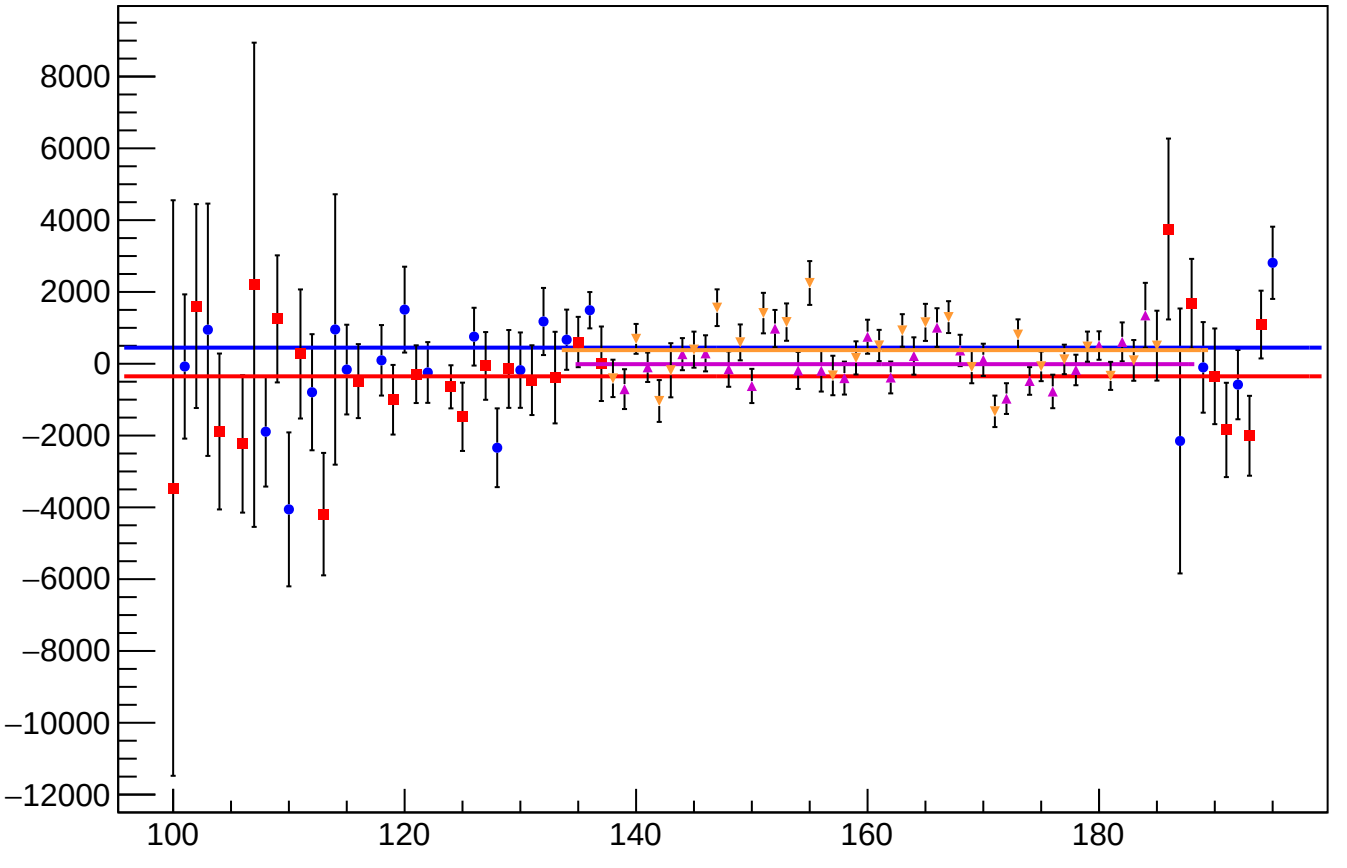
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1915.004+/-0.302 χ^2/NDF: 1380565.0/44

In: 1838.155+/-0.246 χ^2/NDF:685994.9/42

Out: 1852.564+/-0.239 χ^2/NDF:785818.0/49

All: 1845.566+/-0.172 χ^2/NDF: 1473571.1/92



Right In: 448.834+/-237.545 χ^2/NDF: 28.5/19

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -350.289+/-226.263 χ^2/NDF: 23.6/24

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

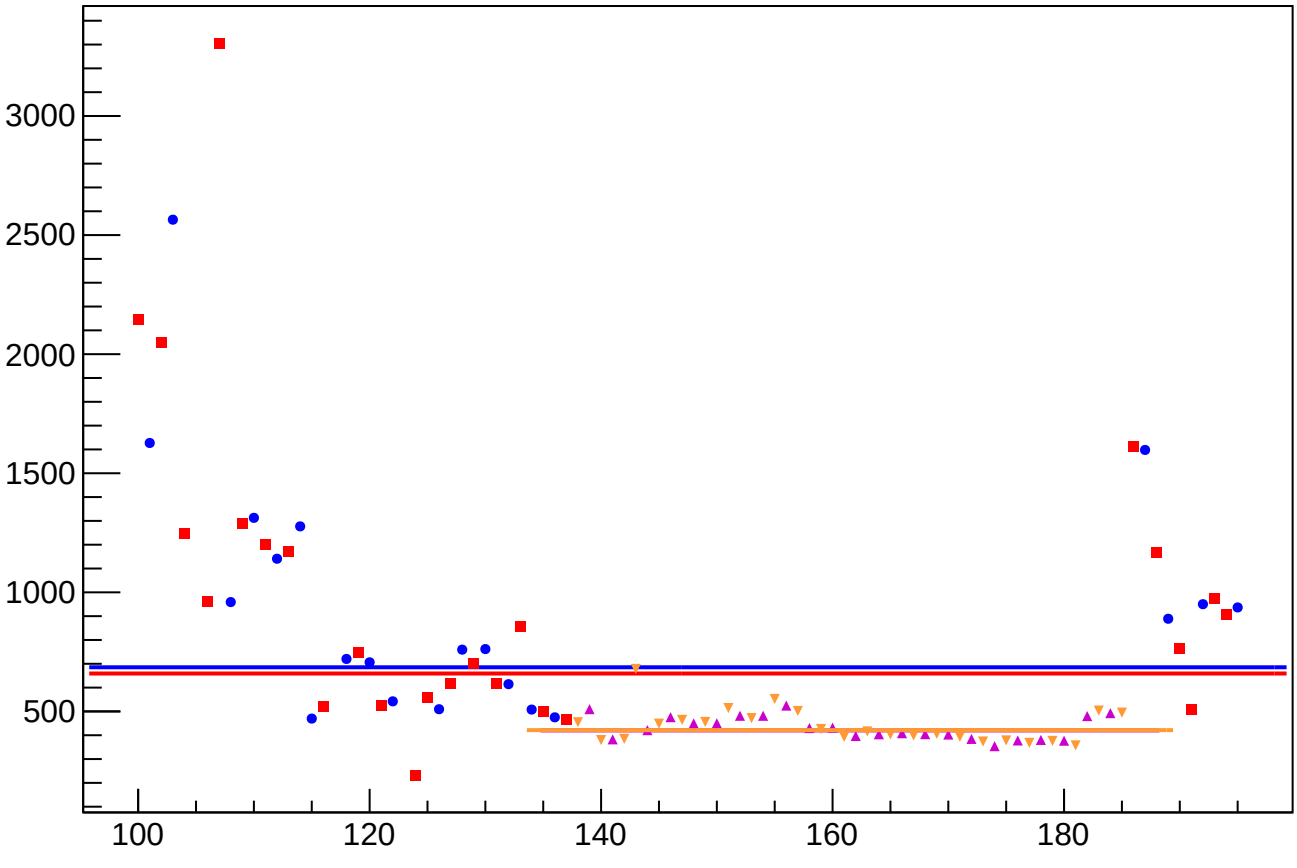
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 29.845+/-163.835 χ^2/NDF: 58.0/44

In: 56.561+/-91.362 χ^2/NDF:62.8/42

Out: 266.037+/-89.163 χ^2/NDF:94.7/49

All: 163.850+/-63.811 χ^2/NDF: 160.2/92



Right In: 685.353+/-0.168 χ^2/NDF: 2586743.2/19

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 659.163+/-0.160 χ^2/NDF: 4001351.8/24

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

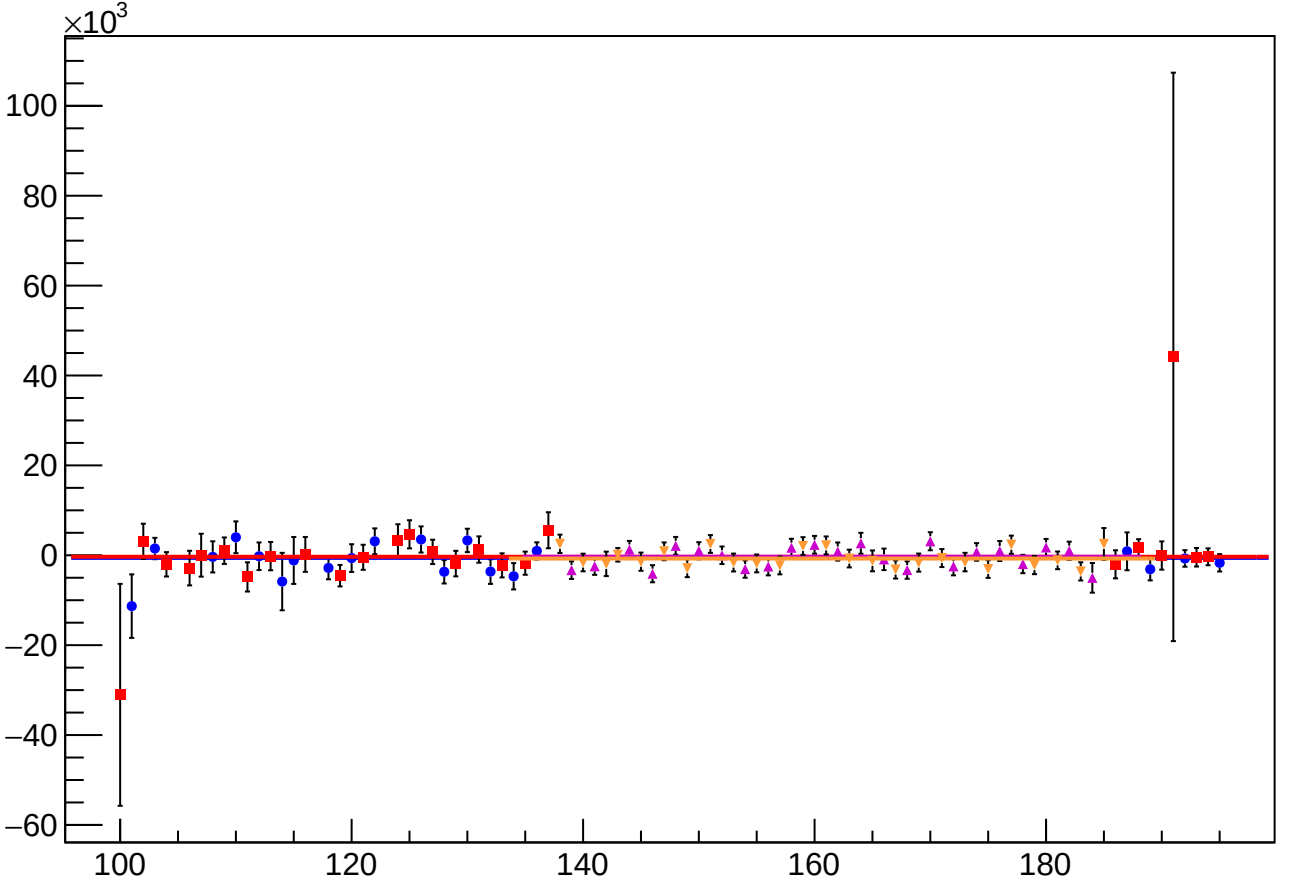
Right: 671.621+/-0.116 χ^2/NDF: 6600841.2/44

In: 459.438+/-0.065 χ^2/NDF:5122909.6/42

Out: 458.339+/-0.063 χ^2/NDF:6609555.0/49

All: 458.875+/-0.045 χ^2/NDF: 11732612.7/92

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -578.586+/-616.682 χ^2/NDF: 18.8/19

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -332.841+/-588.196 χ^2/NDF: 17.5/24

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

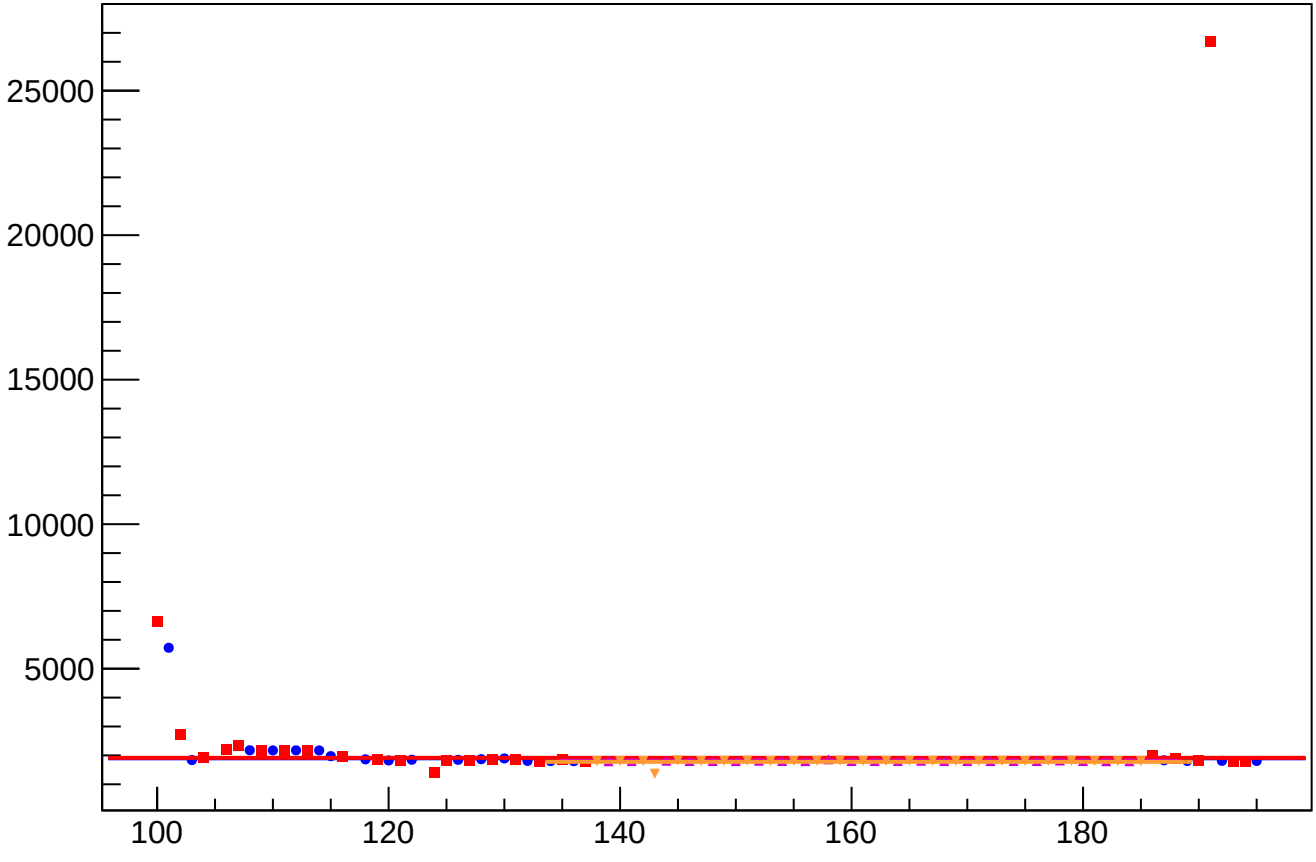
Right: -449.907+/-425.632 χ^2/NDF: 36.4/44

In: -417.135+/-348.746 χ^2/NDF:48.5/42

Out: -598.800+/-333.248 χ^2/NDF:40.0/49

All: -512.093+/-240.935 χ^2/NDF: 88.7/92

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1898.845+/-0.436 χ^2/NDF: 656956.5/19

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1915.577+/-0.416 χ^2/NDF: 606101.2/24

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

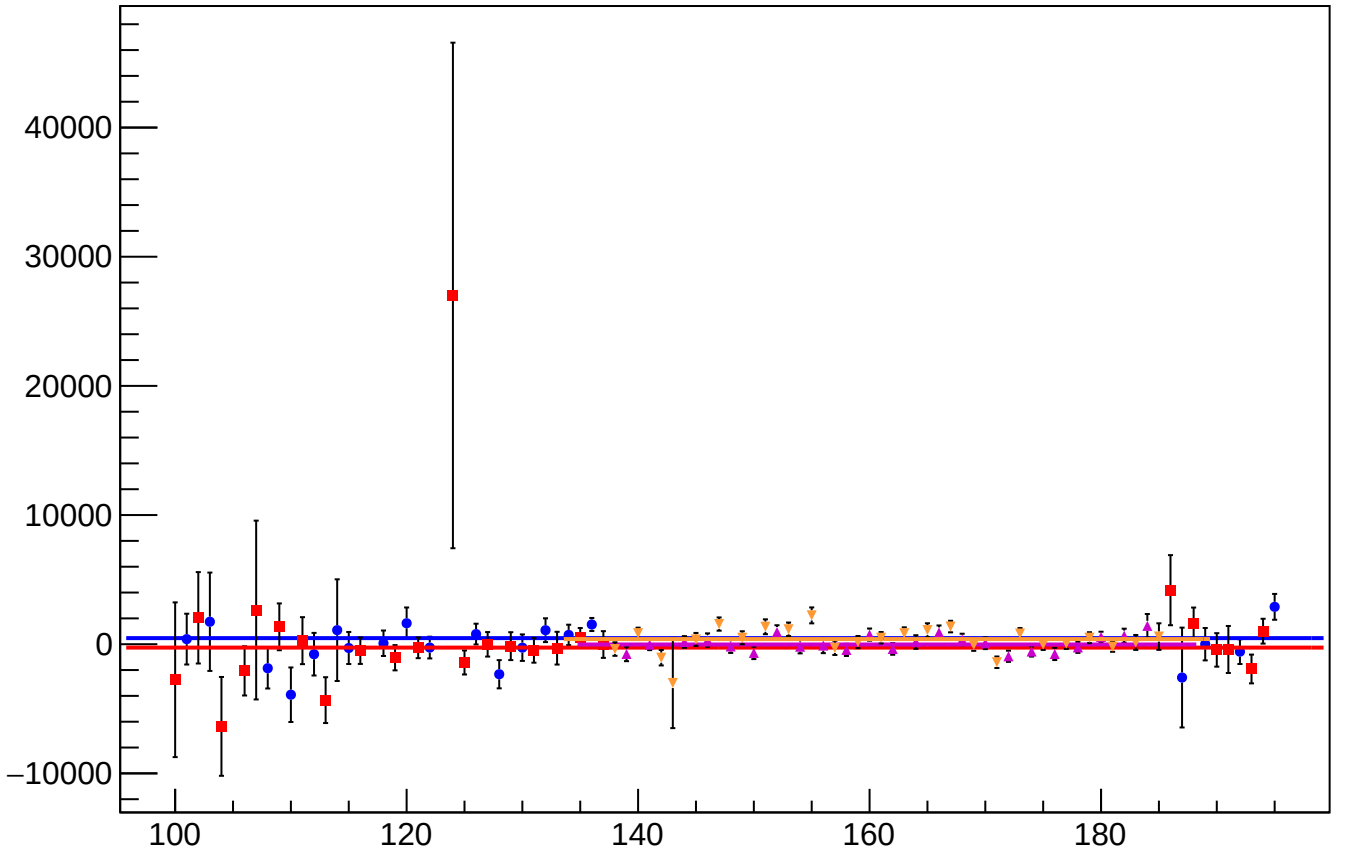
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1907.606+/-0.301 χ^2/NDF: 1263828.7/44

In: 1839.151+/-0.247 χ^2/NDF:686472.9/42

Out: 1821.292+/-0.236 χ^2/NDF:843077.4/49

All: 1829.816+/-0.170 χ^2/NDF: 1532291.6/92



Right In: 472.006+/-235.928 χ^2/NDF: 29.3/19

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -262.071+/-247.247 χ^2/NDF: 24.9/24

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

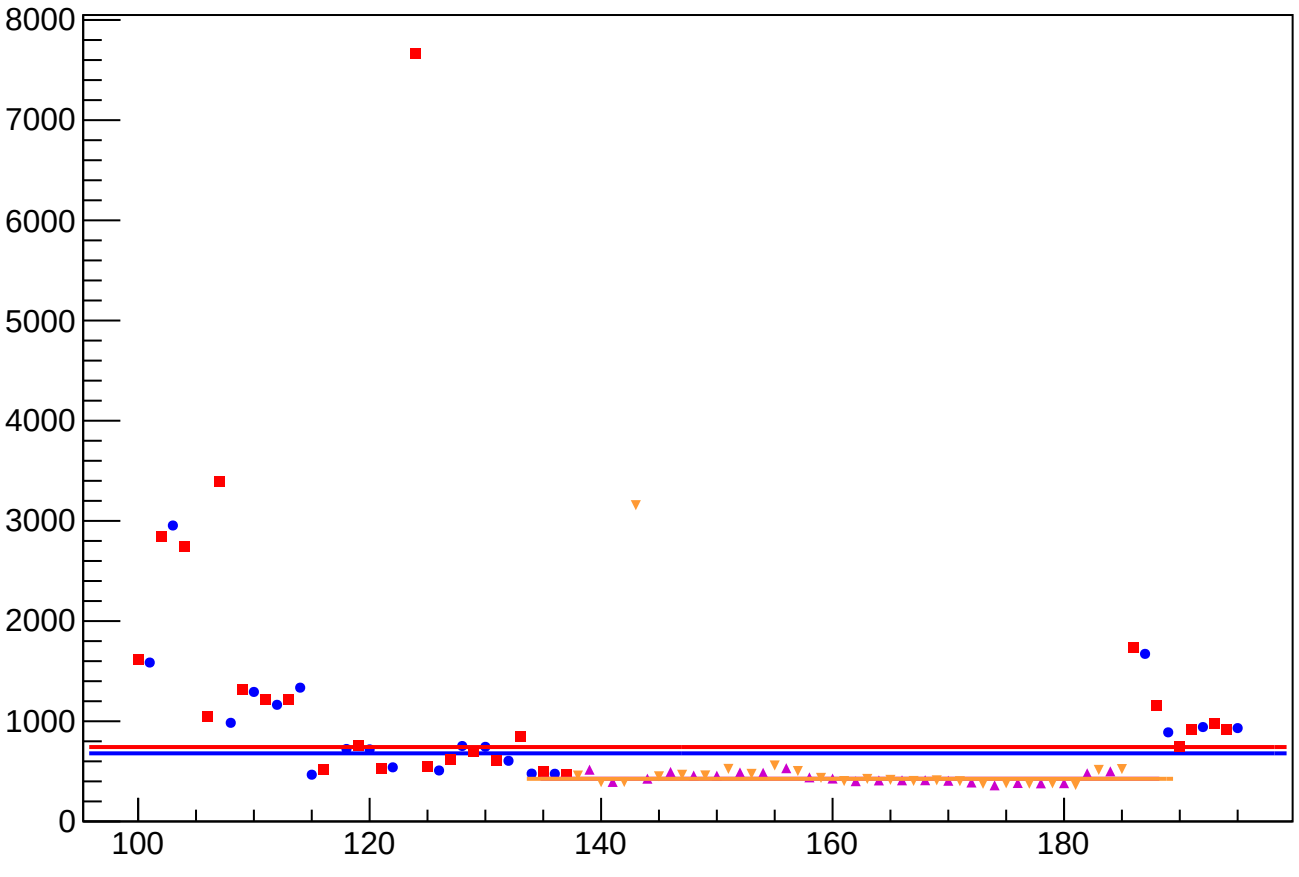
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 122.155+/-170.688 χ^2/NDF: 58.9/44

In: 54.035+/-92.277 χ^2/NDF:63.9/42

Out: 306.765+/-92.038 χ^2/NDF:91.6/49

All: 180.728+/-65.165 χ^2/NDF: 159.3/92



Right In: 679.822+/-0.167 χ^2/NDF: 2771761.2/19

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 742.694+/-0.175 χ^2/NDF: 3850440.0/24

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

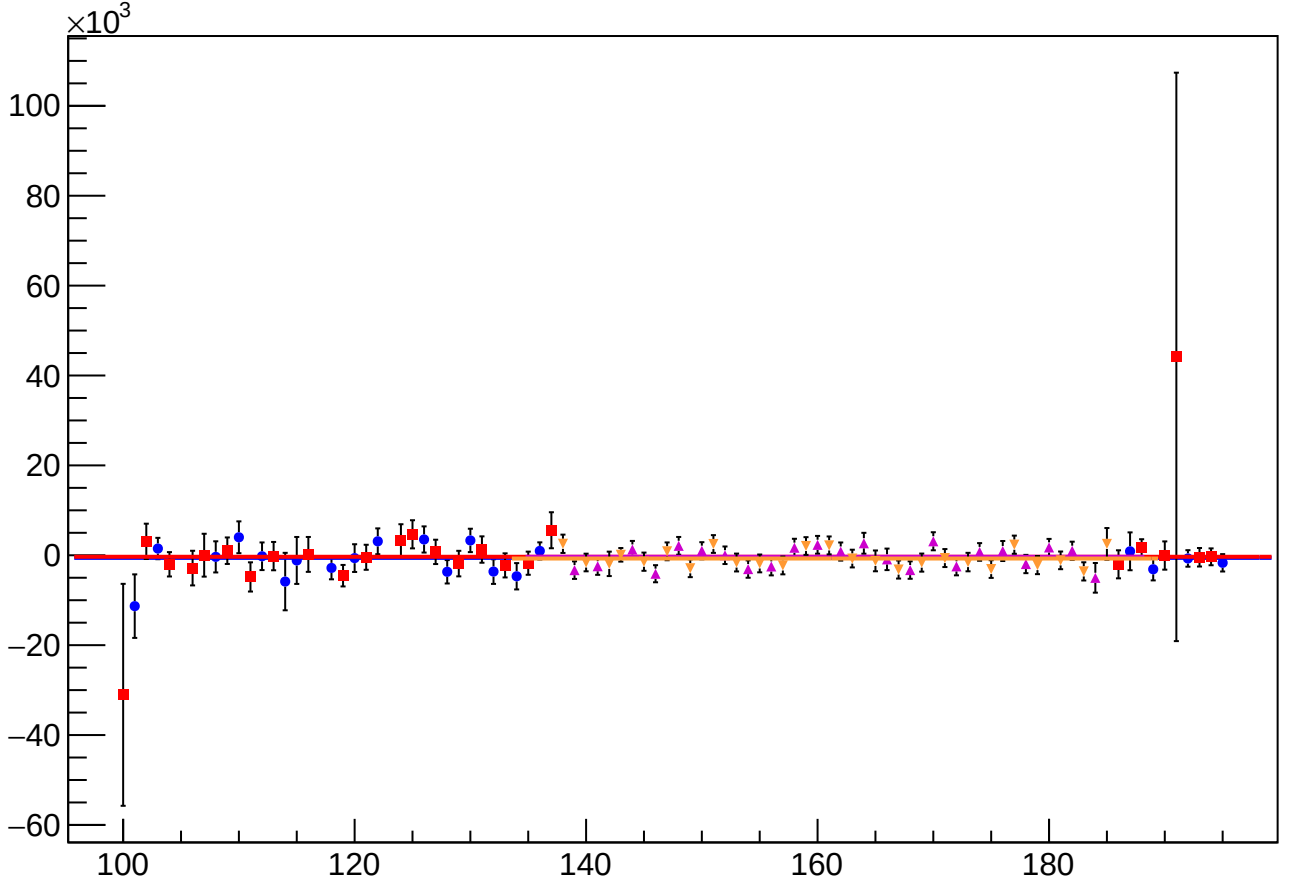
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 709.786+/-0.121 χ^2/NDF: 6689892.1/44

In: 464.951+/-0.065 χ^2/NDF:5145700.7/42

Out: 469.623+/-0.065 χ^2/NDF:8400622.0/49

All: 467.293+/-0.046 χ^2/NDF: 13548892.9/92



Right In: -578.586+/-616.682 χ^2/NDF: 18.8/19

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -332.840+/-588.196 χ^2/NDF: 17.5/24

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

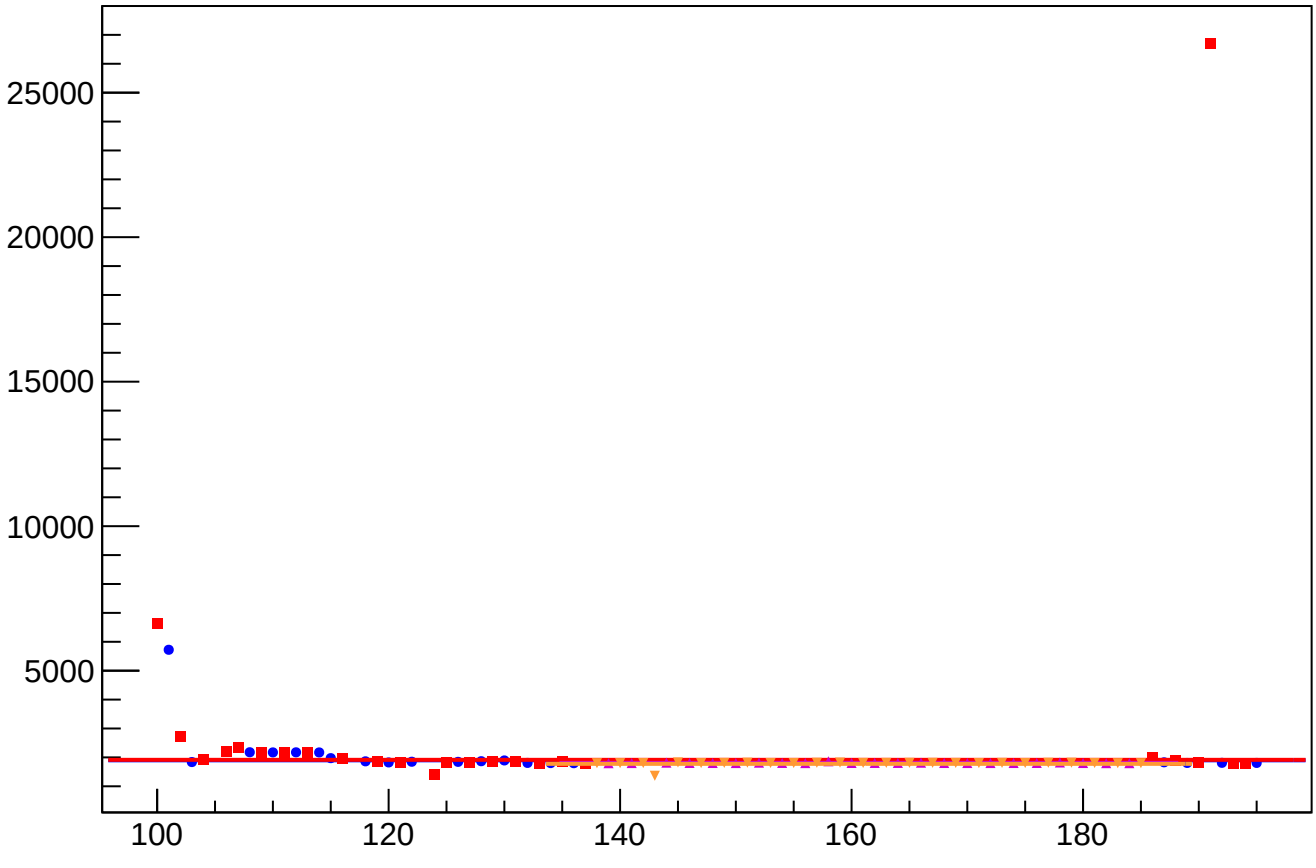
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -449.906+/-425.632 χ^2/NDF: 36.4/44

In: -417.135+/-348.746 χ^2/NDF:48.5/42

Out: -598.800+/-333.248 χ^2/NDF:40.0/49

All: -512.093+/-240.935 χ^2/NDF: 88.7/92



Right In: 1898.845+/-0.436 χ^2/NDF: 656956.6/19

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1915.577+/-0.416 χ^2/NDF: 606101.0/24

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

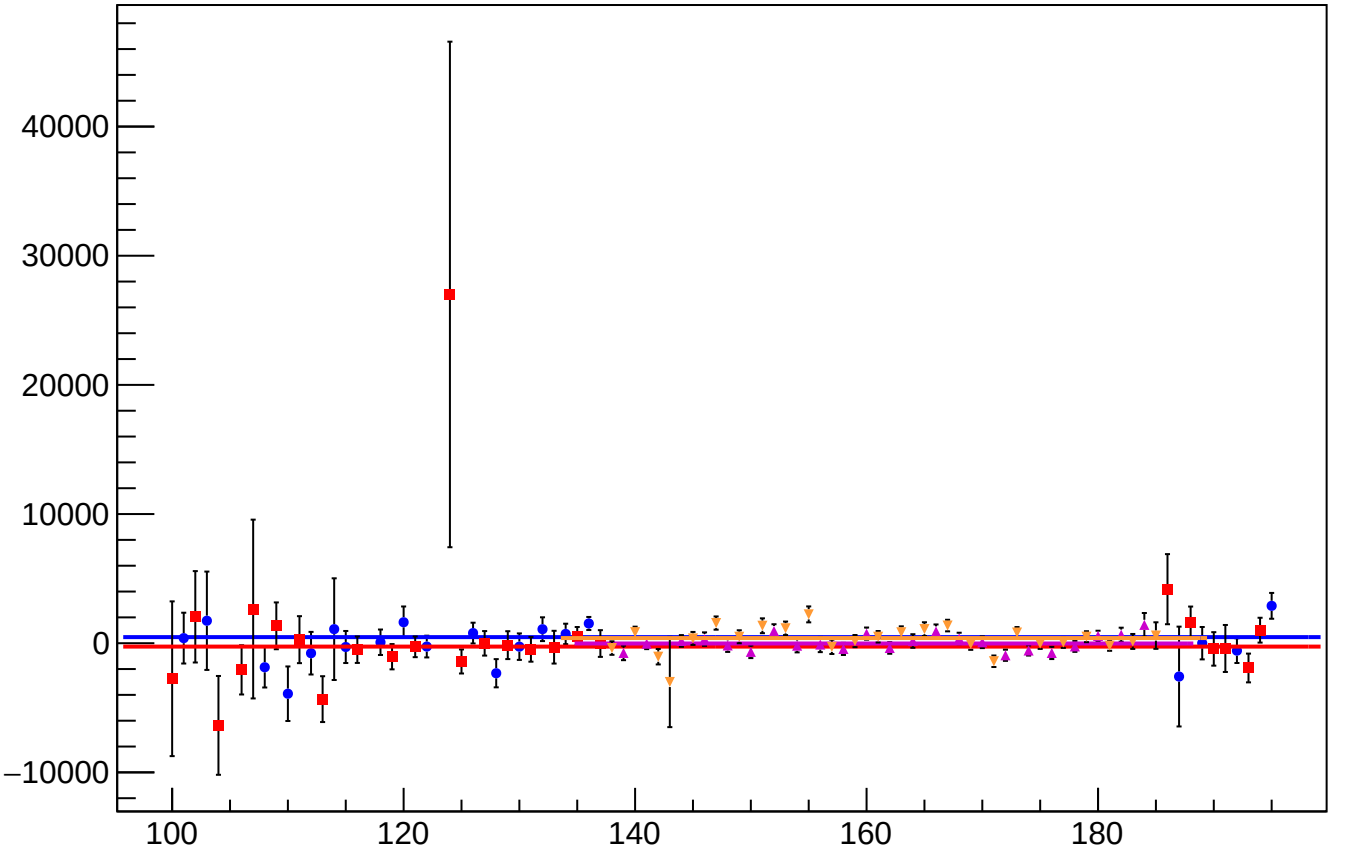
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1907.606+/-0.301 χ^2/NDF: 1263828.5/44

In: 1839.151+/-0.247 χ^2/NDF:686472.9/42

Out: 1821.292+/-0.236 χ^2/NDF:843077.2/49

All: 1829.816+/-0.170 χ^2/NDF: 1532291.3/92



Right In: 472.005+/-235.928 χ^2/NDF: 29.3/19

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -262.071+/-247.247 χ^2/NDF: 24.9/24

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

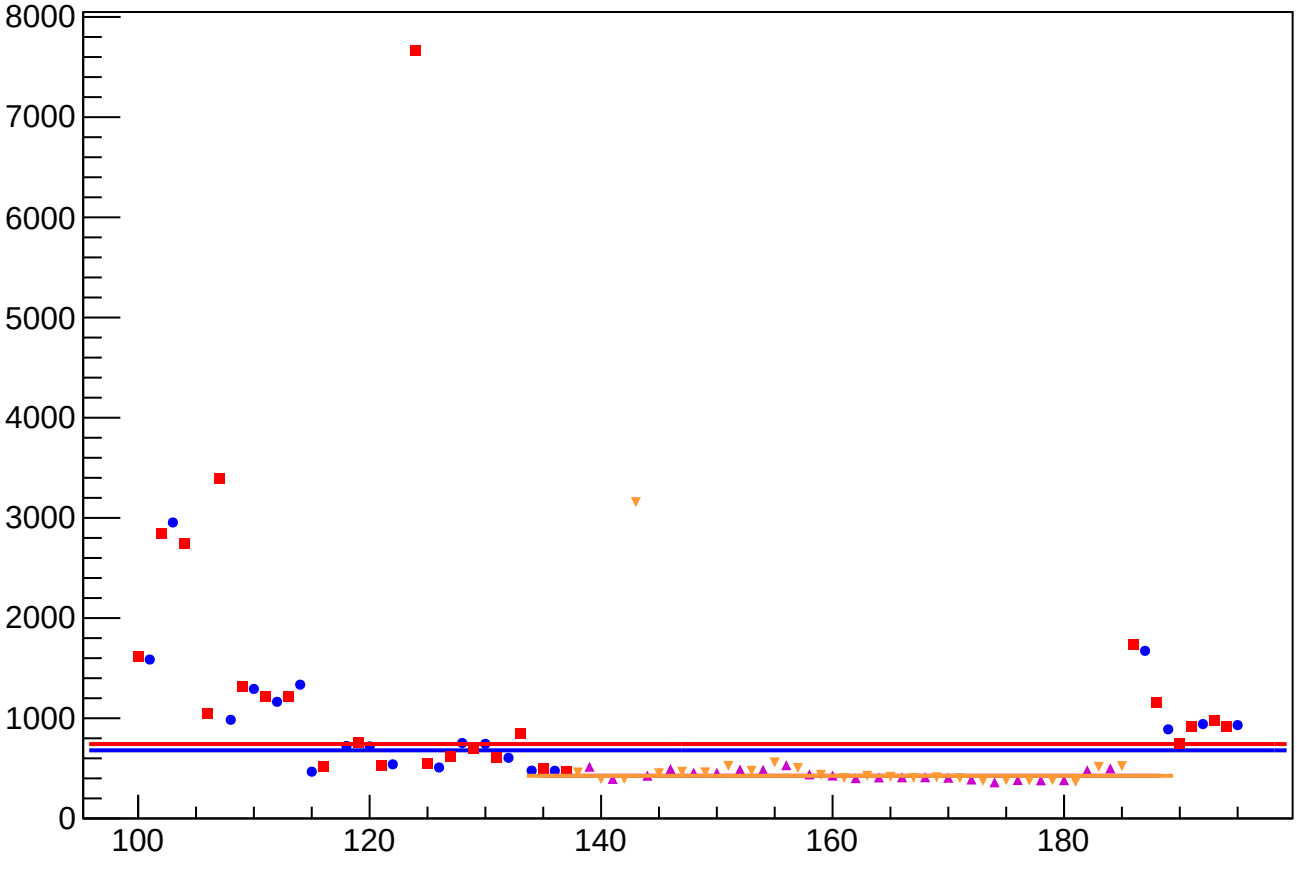
Right: 122.154+/-170.688 χ^2/NDF: 58.9/44

In: 54.035+/-92.277 χ^2/NDF:63.9/42

Out: 306.764+/-92.038 χ^2/NDF:91.6/49

All: 180.728+/-65.165 χ^2/NDF: 159.3/92

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 679.822+/-0.167 χ^2/NDF: 2771761.4/19

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 742.694+/-0.175 χ^2/NDF: 3850441.8/24

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

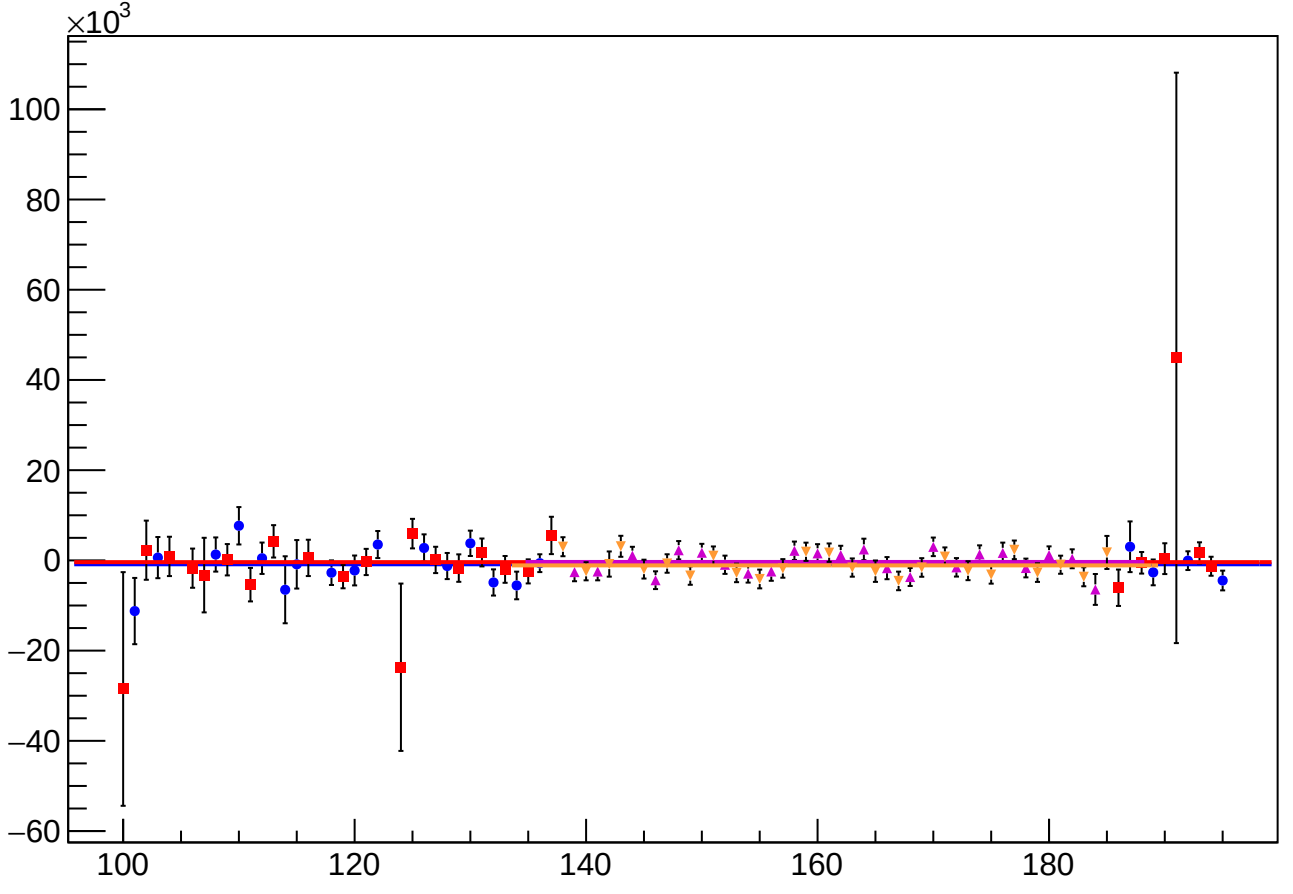
Right: 709.786+/-0.121 χ^2/NDF: 6689894.0/44

In: 464.951+/-0.065 χ^2/NDF:5145705.3/42

Out: 469.623+/-0.065 χ^2/NDF:8400628.8/49

All: 467.293+/-0.046 χ^2/NDF: 13548904.3/92

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -859.363+/-690.145 χ^2/NDF: 22.4/19

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -384.647+/-677.778 χ^2/NDF: 19.2/24

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

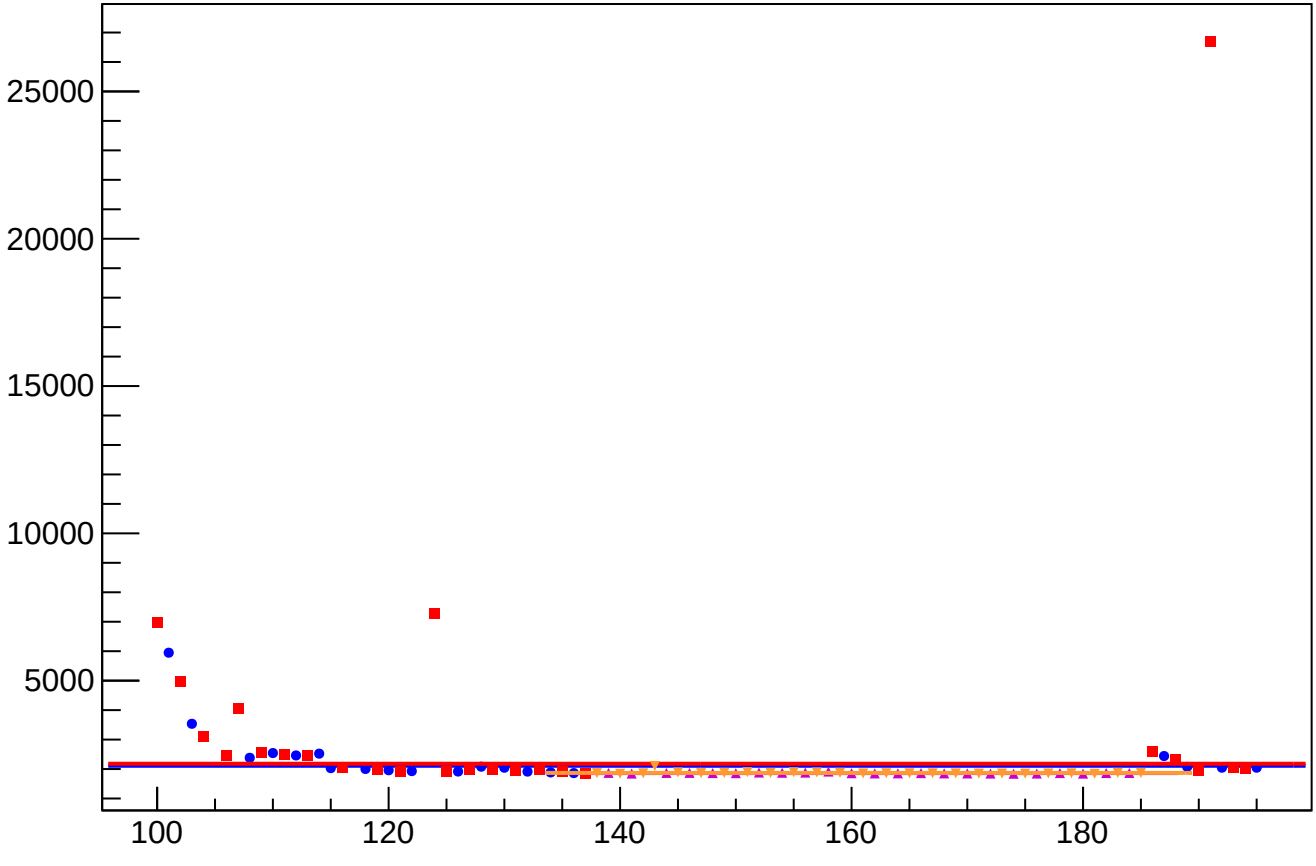
Right: -617.713+/-483.575 χ^2/NDF: 41.8/44

In: -492.606+/-367.968 χ^2/NDF:51.5/42

Out: -902.510+/-359.853 χ^2/NDF:48.0/49

All: -702.127+/-257.275 χ^2/NDF: 100.1/92

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2111.700+/-0.488 χ^2/NDF: 886811.4/19

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2179.899+/-0.479 χ^2/NDF: 1299916.5/24

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

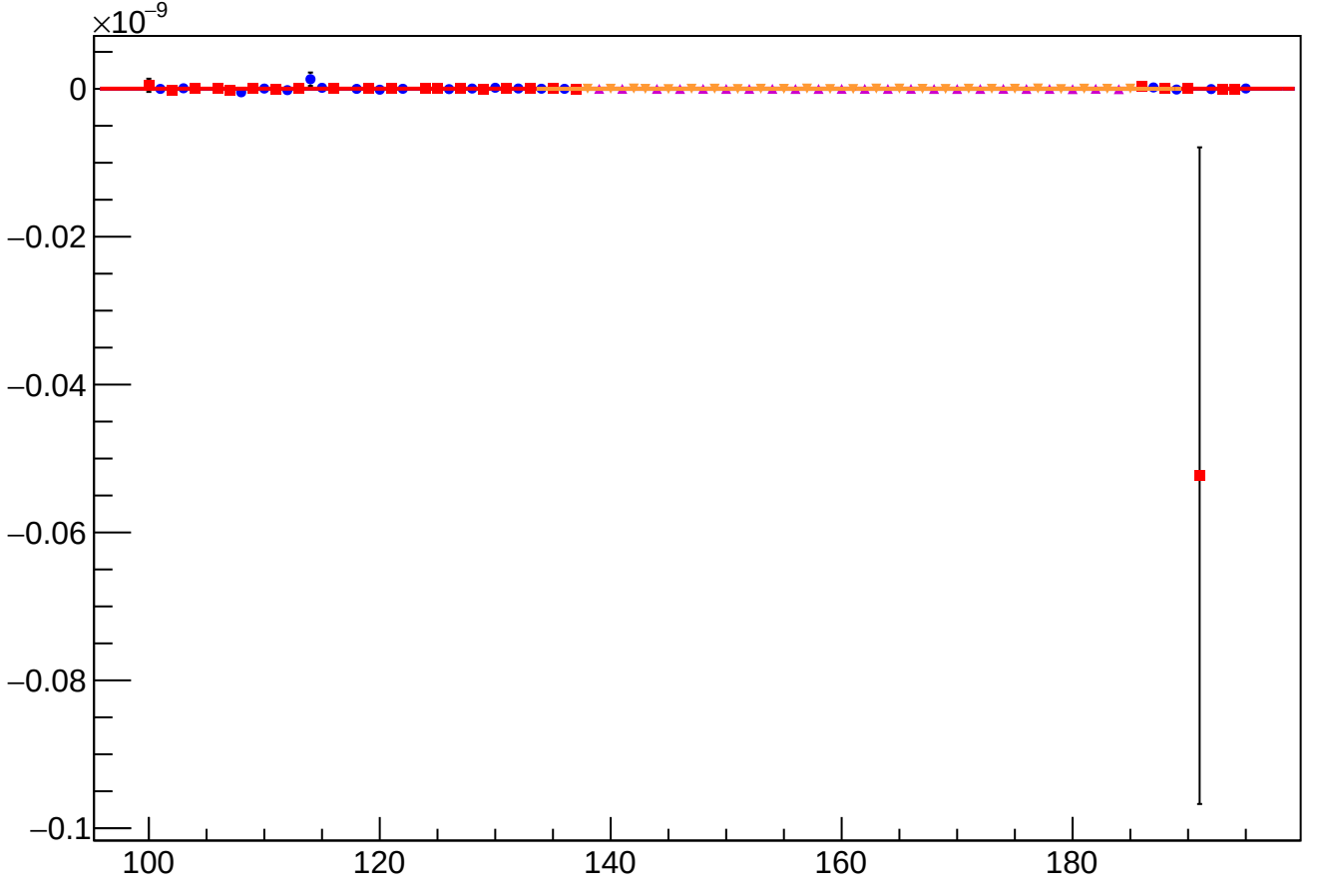
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2146.416+/-0.342 χ^2/NDF: 2196669.5/44

In: 1933.576+/-0.260 χ^2/NDF:1075669.2/42

Out: 1956.596+/-0.254 χ^2/NDF:1625542.1/49

All: 1945.343+/-0.182 χ^2/NDF: 2705212.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/24

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

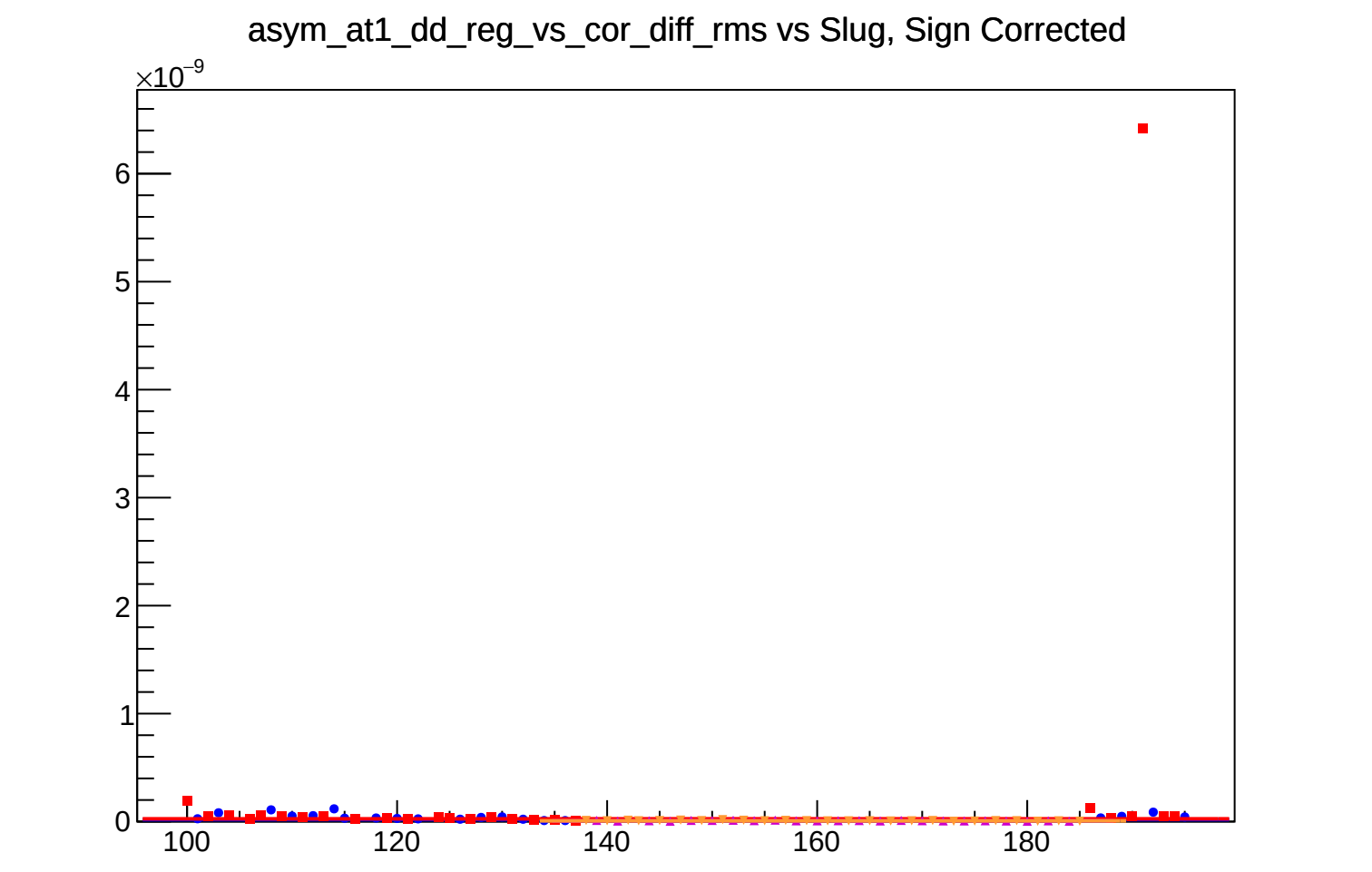
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 40.2/44

In: -0.000+/-0.000 χ^2/NDF:37.6/42

Out: 0.000+/-0.000 χ^2/NDF:63.1/49

All: -0.000+/-0.000 χ^2/NDF: 102.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 3288758.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2072516.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

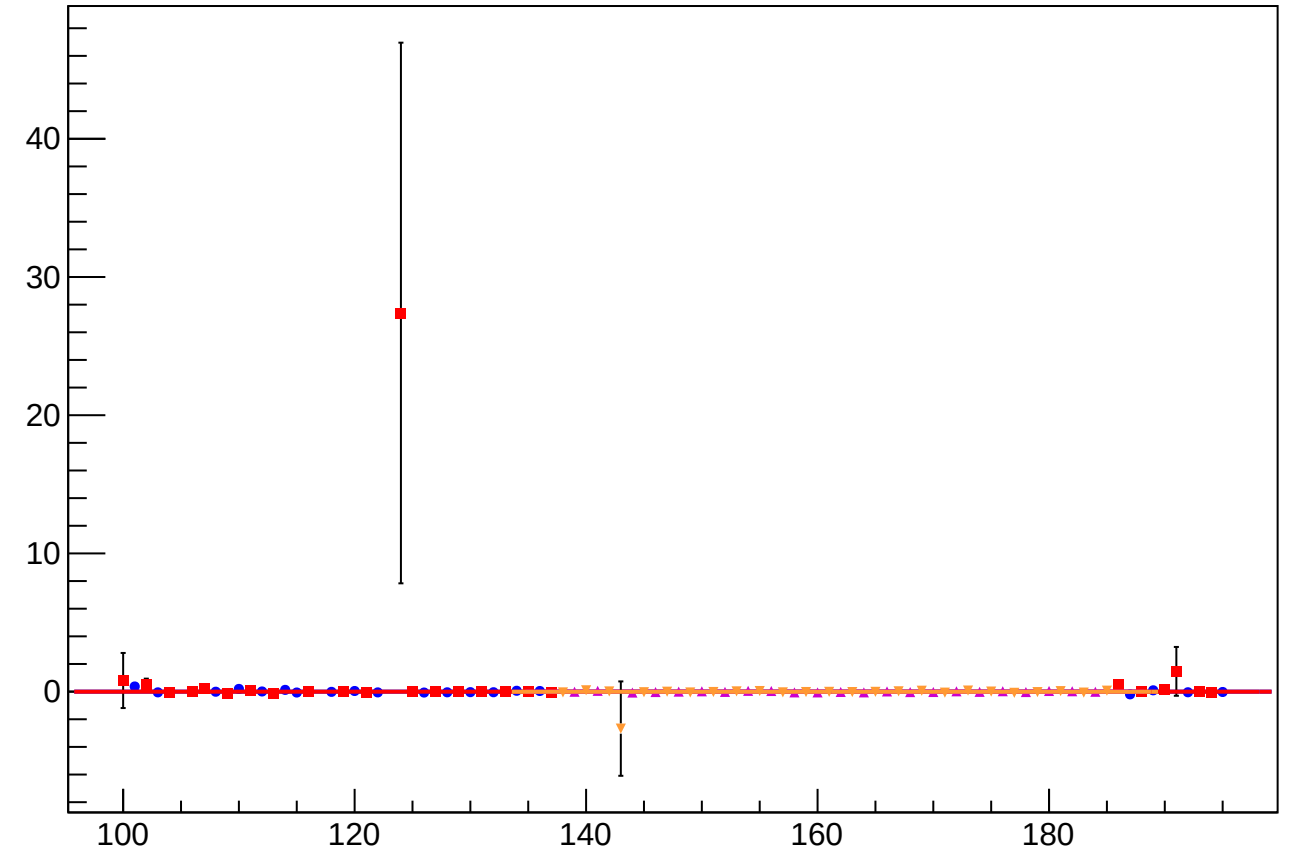
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 5705711.6/44

In: 0.000+/-0.000 χ^2/NDF:6440861.7/42

Out: 0.000+/-0.000 χ^2/NDF:7033660.4/49

All: 0.000+/-0.000 χ^2/NDF: 13474629.8/92



Right In: -0.001+/-0.014 χ^2/NDF: 24.1/19

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.004+/-0.013 χ^2/NDF: 24.7/24

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

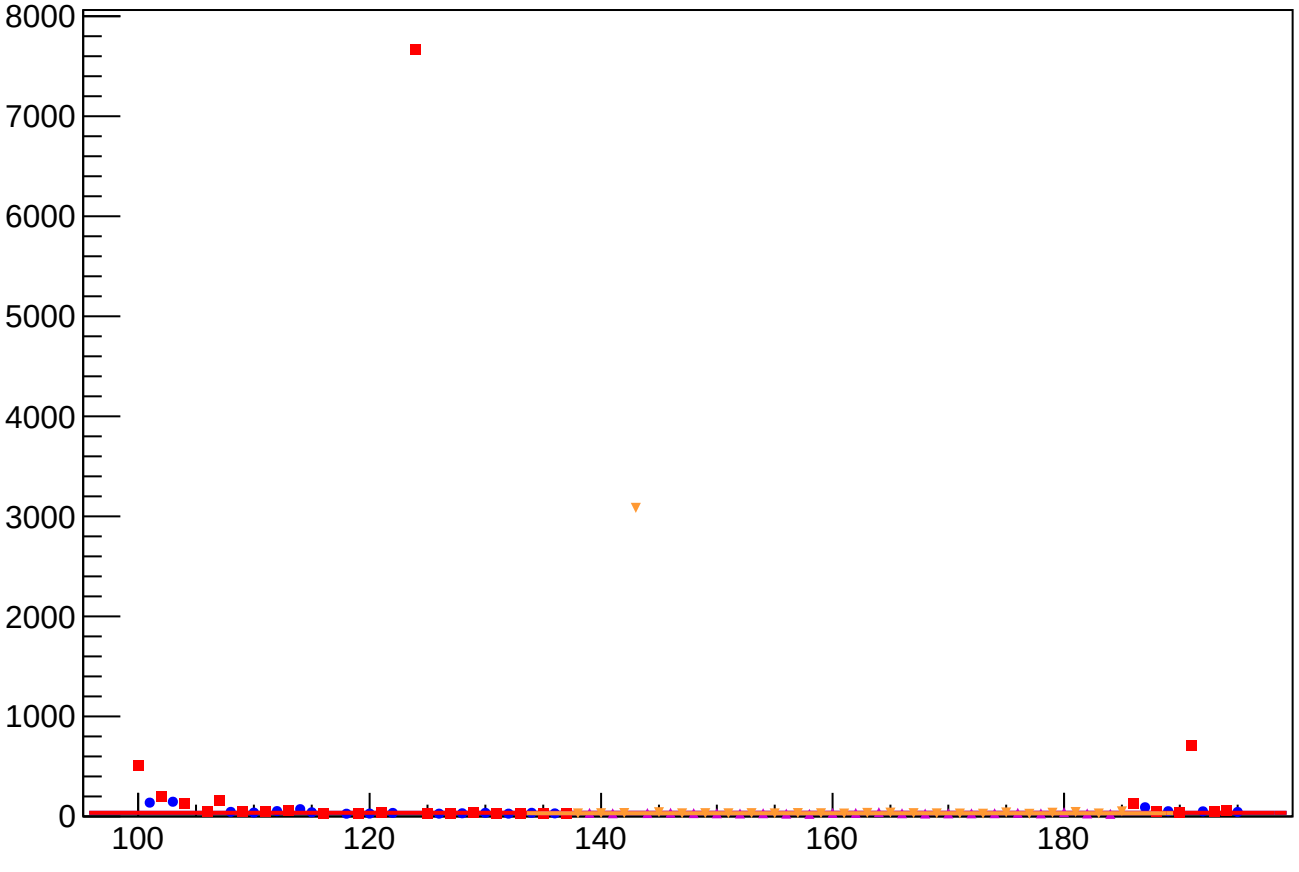
Right: -0.003+/-0.010 χ^2/NDF: 48.8/44

In: -0.003+/-0.007 χ^2/NDF:44.9/42

Out: -0.008+/-0.007 χ^2/NDF:64.4/49

All: -0.006+/-0.005 χ^2/NDF: 109.6/92

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.430+/-0.010 χ^2/NDF: 2157319.6/19

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 36.588+/-0.009 χ^2/NDF: 3320921.4/24

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

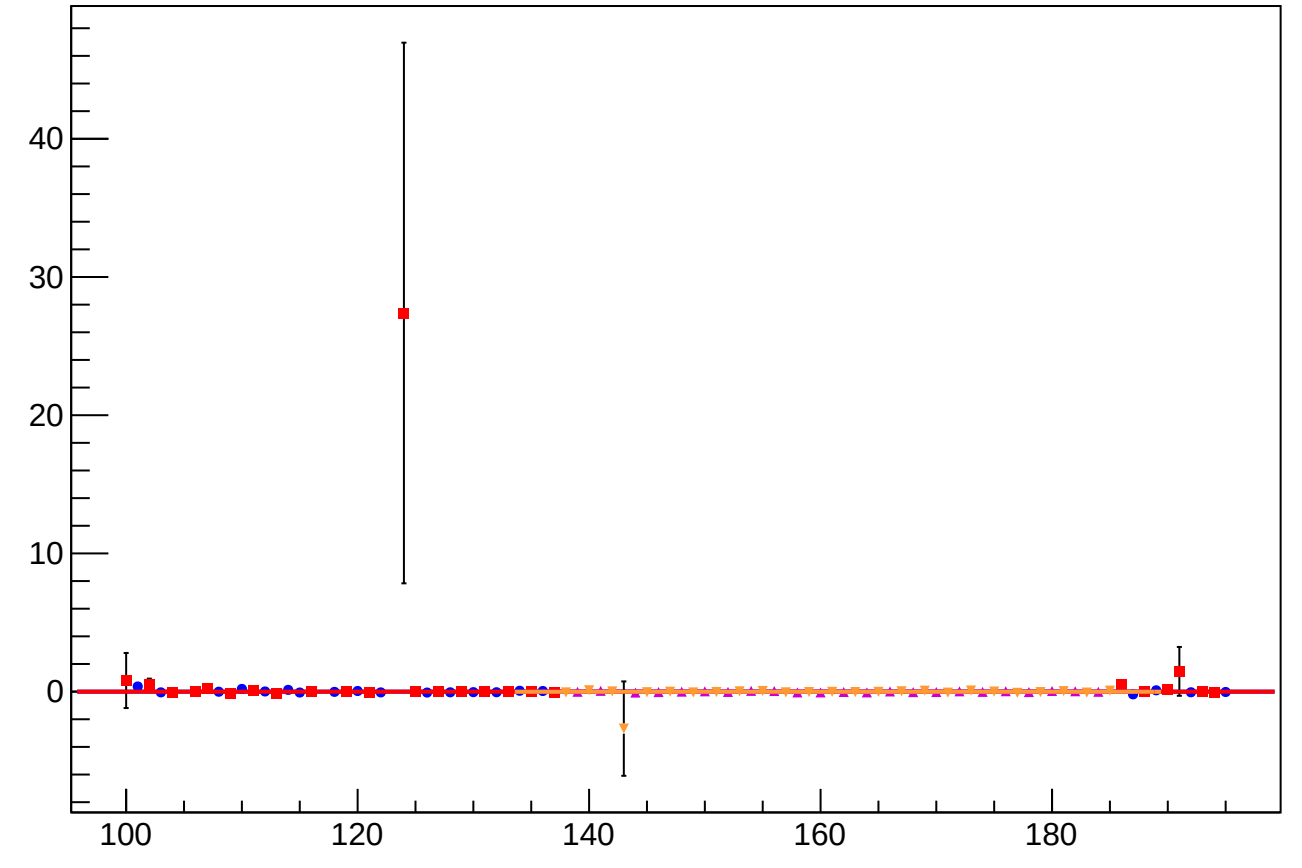
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 36.510+/-0.007 χ^2/NDF: 5478376.9/44

In: 33.507+/-0.005 χ^2/NDF:2710113.1/42

Out: 33.459+/-0.005 χ^2/NDF:5592187.1/49

All: 33.483+/-0.004 χ^2/NDF: 8302346.1/92



Right In: -0.001+/-0.014 χ^2/NDF: 24.1/19

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.004+/-0.013 χ^2/NDF: 24.7/24

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

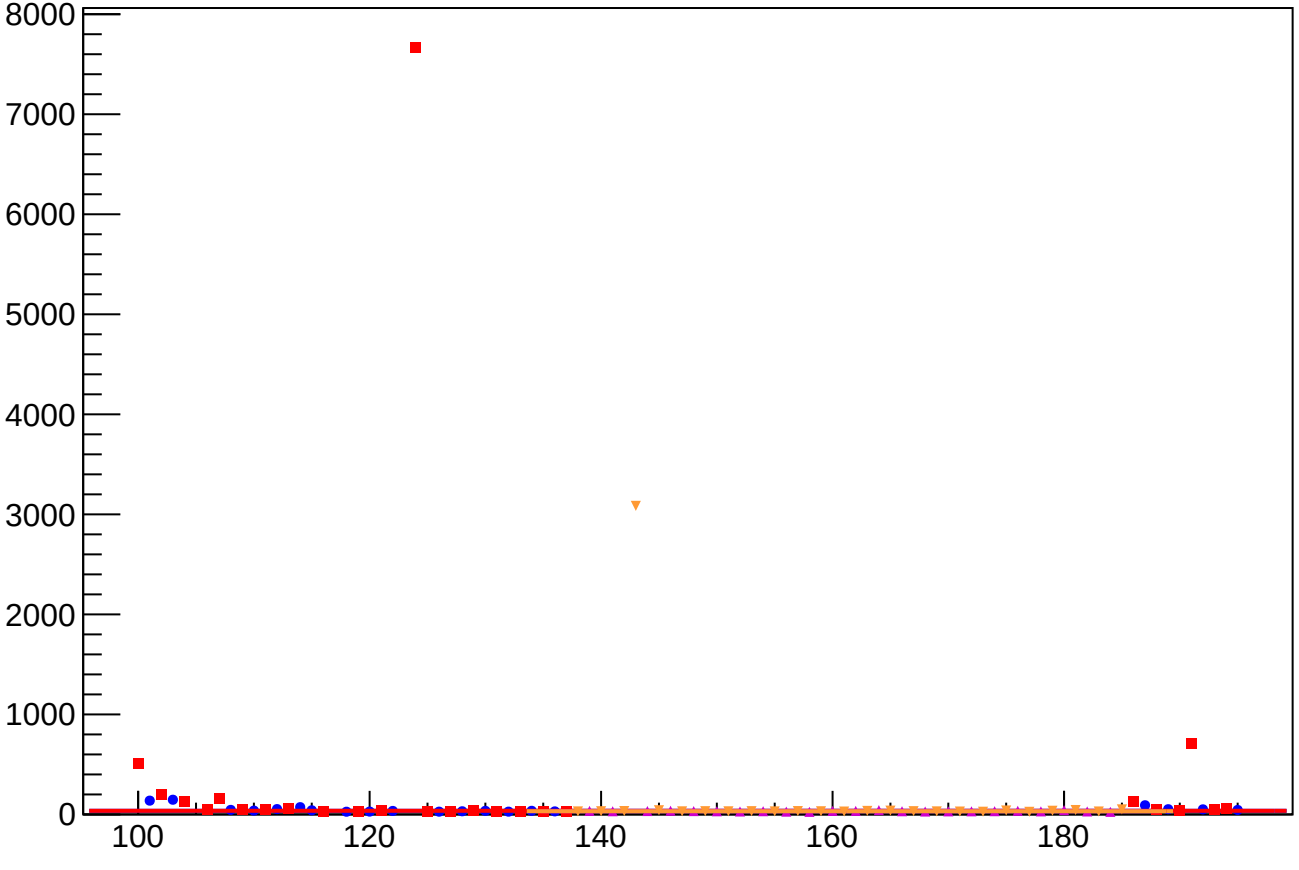
Right: -0.003+/-0.010 χ^2/NDF: 48.8/44

In: -0.003+/-0.007 χ^2/NDF:44.9/42

Out: -0.008+/-0.007 χ^2/NDF:64.4/49

All: -0.006+/-0.005 χ^2/NDF: 109.6/92

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.430+/-0.010 χ^2/NDF: 2157319.6/19

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 36.588+/-0.009 χ^2/NDF: 3320921.4/24

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

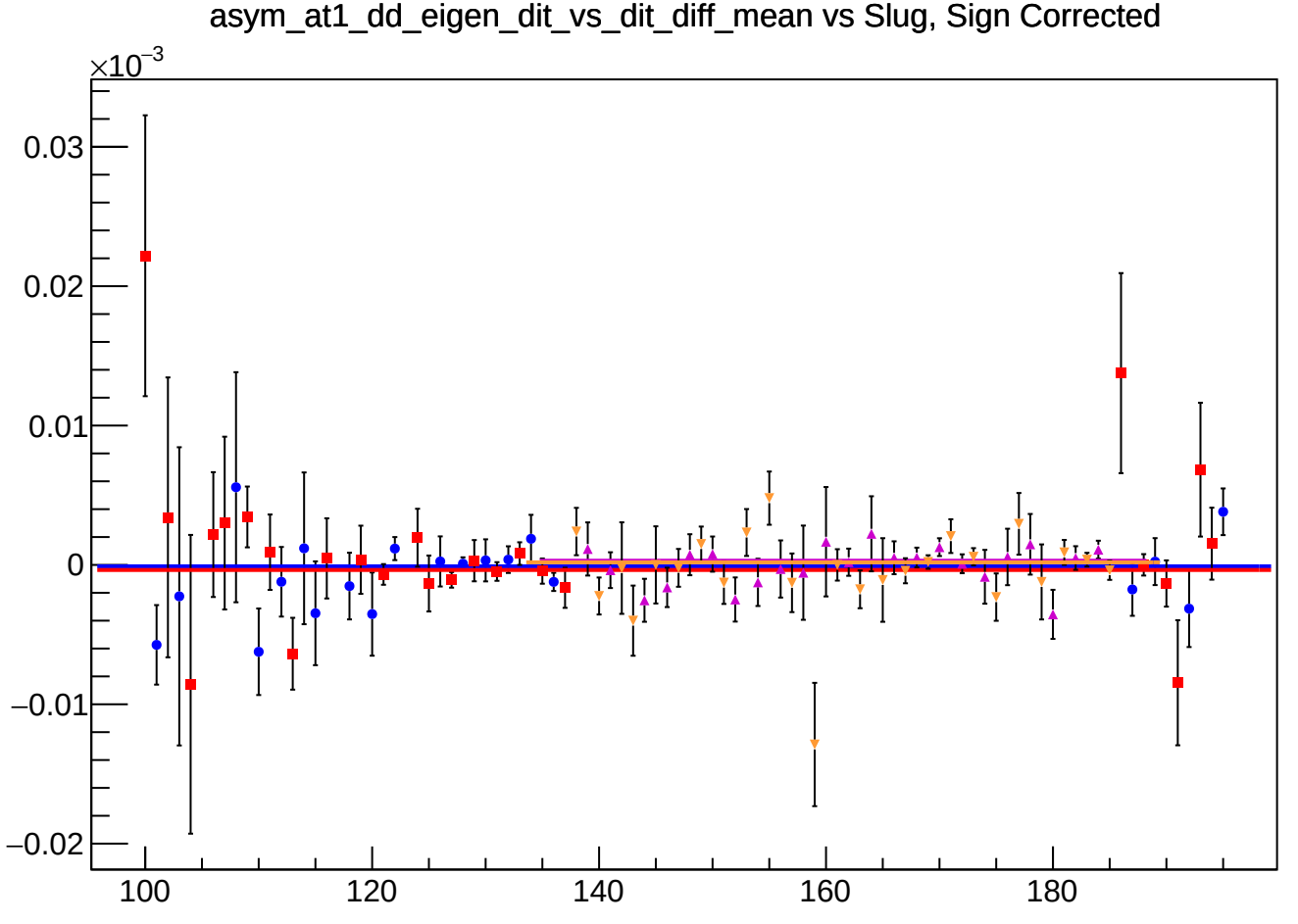
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 36.510+/-0.007 χ^2/NDF: 5478376.9/44

In: 33.507+/-0.005 χ^2/NDF:2710113.1/42

Out: 33.459+/-0.005 χ^2/NDF:5592187.1/49

All: 33.483+/-0.004 χ^2/NDF: 8302346.1/92



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/24

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

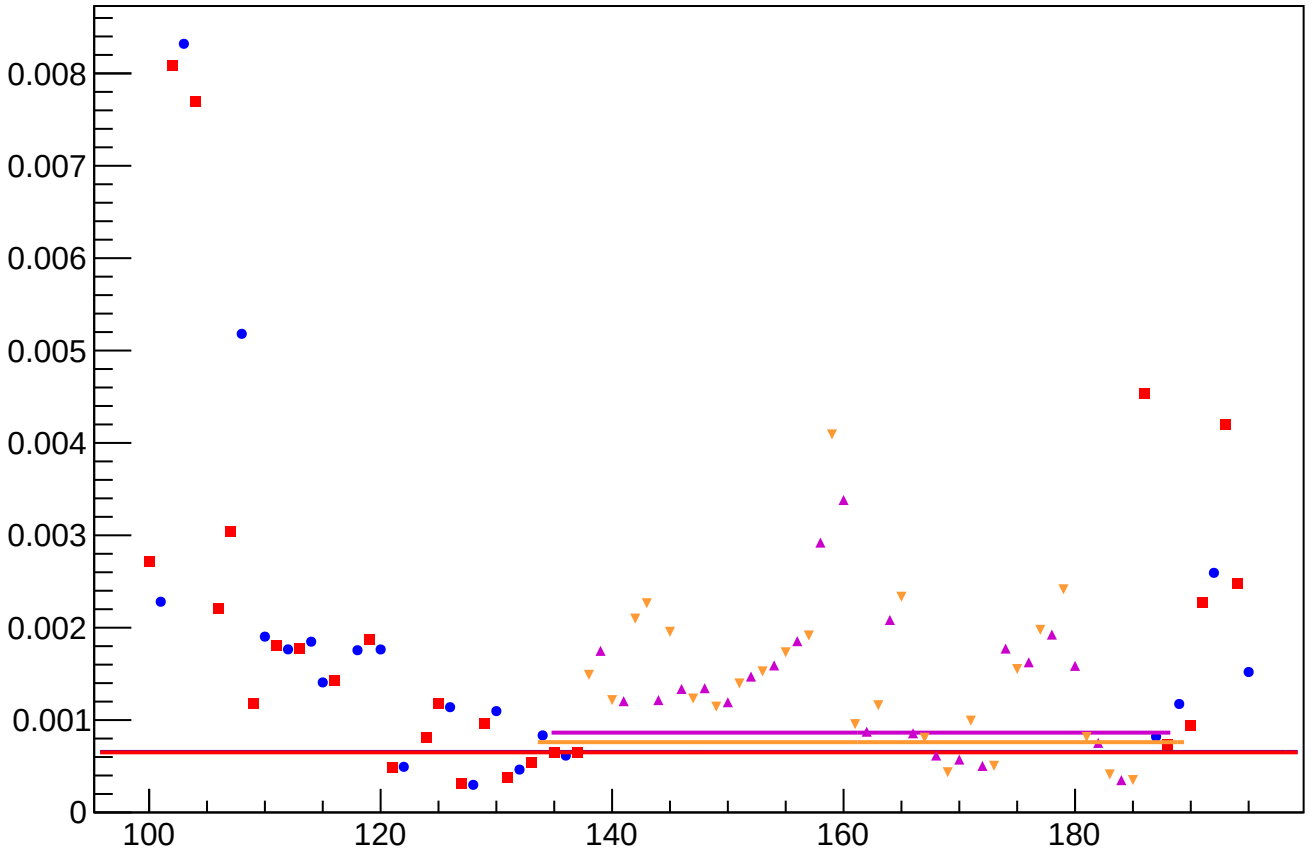
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 58.3/44

In: 0.000+/-0.000 χ^2/NDF:47.1/42

Out: -0.000+/-0.000 χ^2/NDF:72.3/49

All: 0.000+/-0.000 χ^2/NDF: 119.9/92



Right In: 0.001+/-0.000 χ^2/NDF: 7323785.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8571078.6/24

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

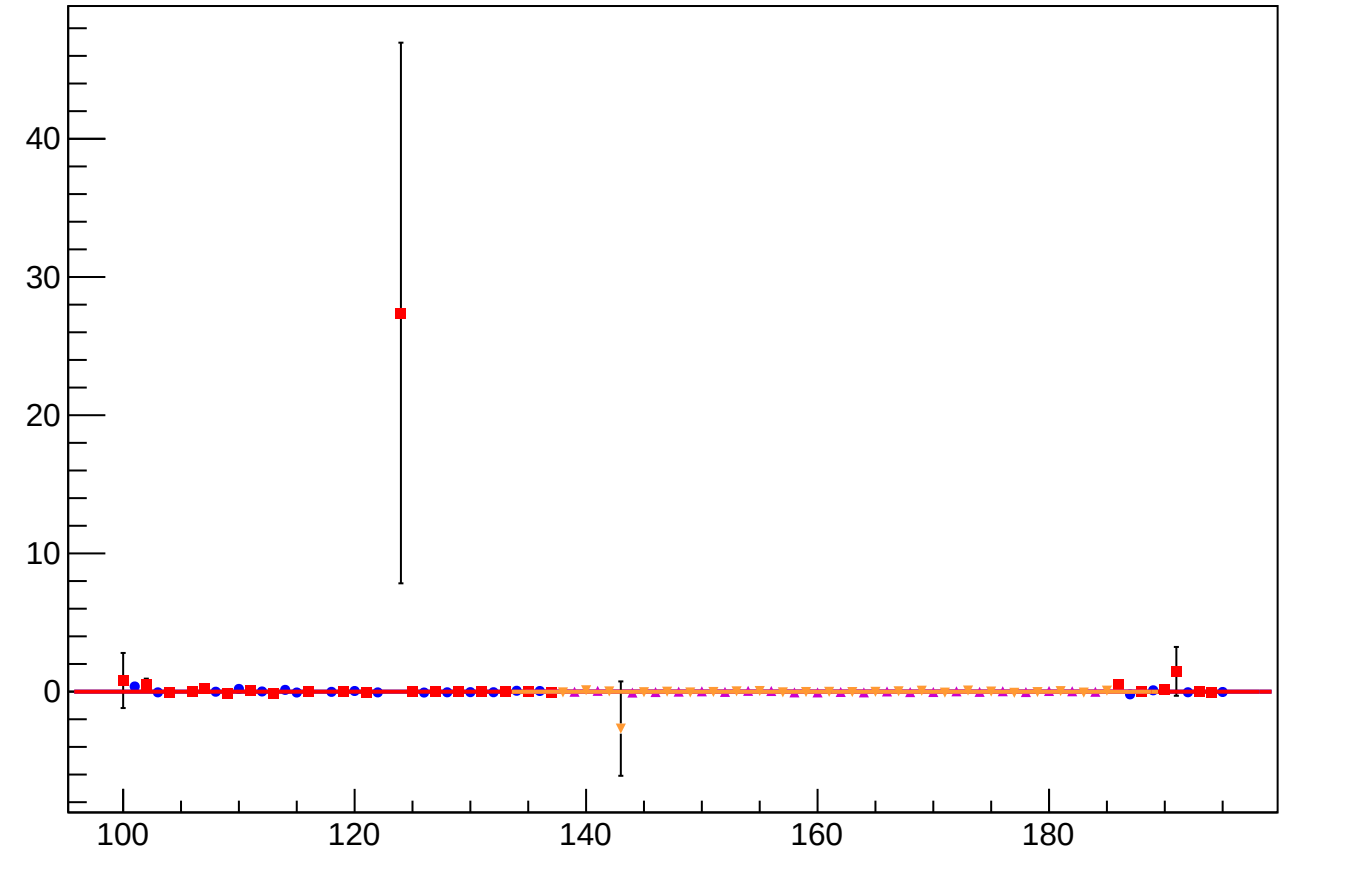
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.001+/-0.000 χ^2/NDF: 15895110.7/44

In: 0.001+/-0.000 χ^2/NDF:16405790.6/42

Out: 0.001+/-0.000 χ^2/NDF:19870439.9/49

All: 0.001+/-0.000 χ^2/NDF: 36390830.0/92



Right In: -0.001+/-0.014 χ^2/NDF: 24.1/19

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.004+/-0.013 χ^2/NDF: 24.7/24

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

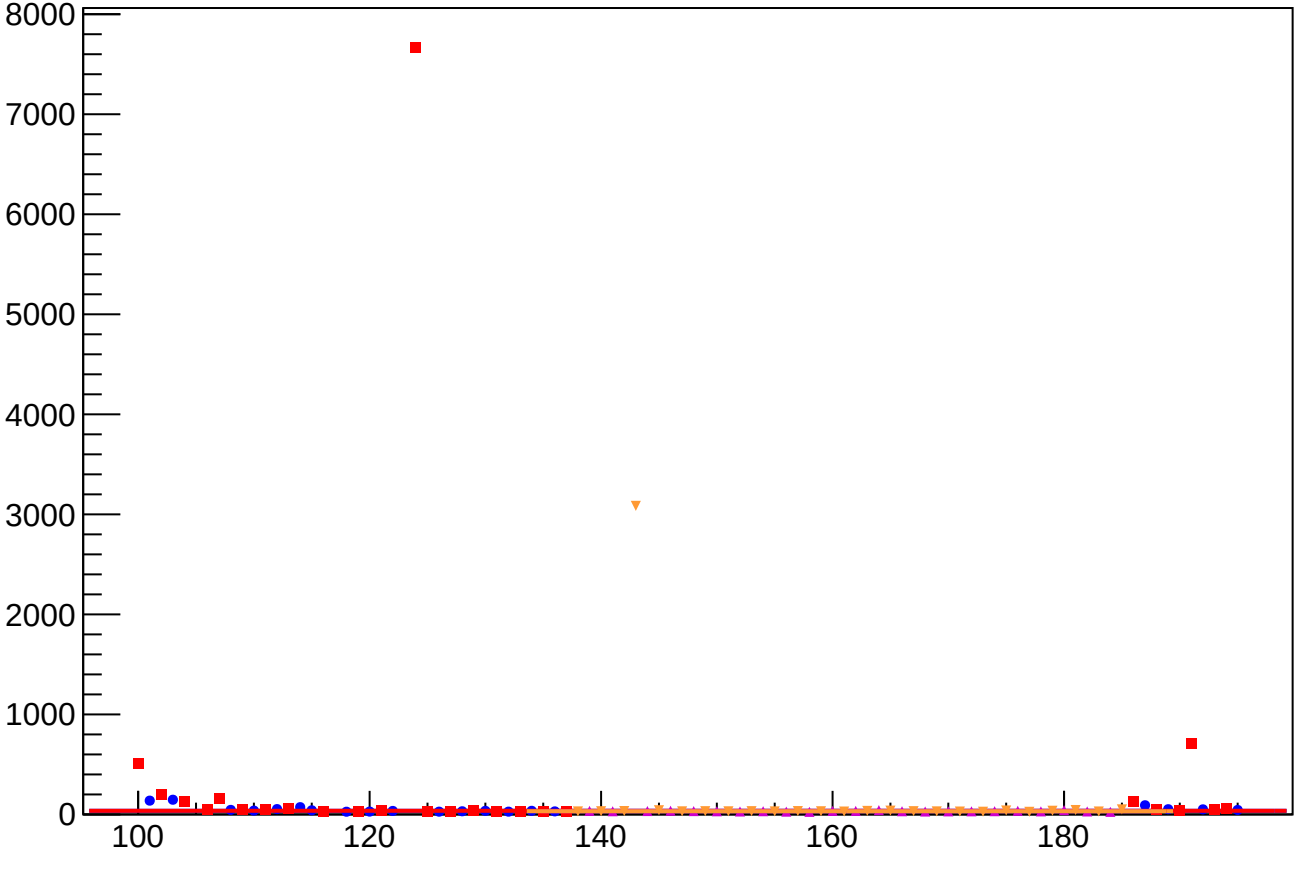
Right: -0.003+/-0.010 χ^2/NDF: 48.8/44

In: -0.003+/-0.007 χ^2/NDF:44.9/42

Out: -0.008+/-0.007 χ^2/NDF:64.4/49

All: -0.006+/-0.005 χ^2/NDF: 109.6/92

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.430+/-0.010 χ^2/NDF: 2157281.6/19

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 36.588+/-0.009 χ^2/NDF: 3320901.8/24

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

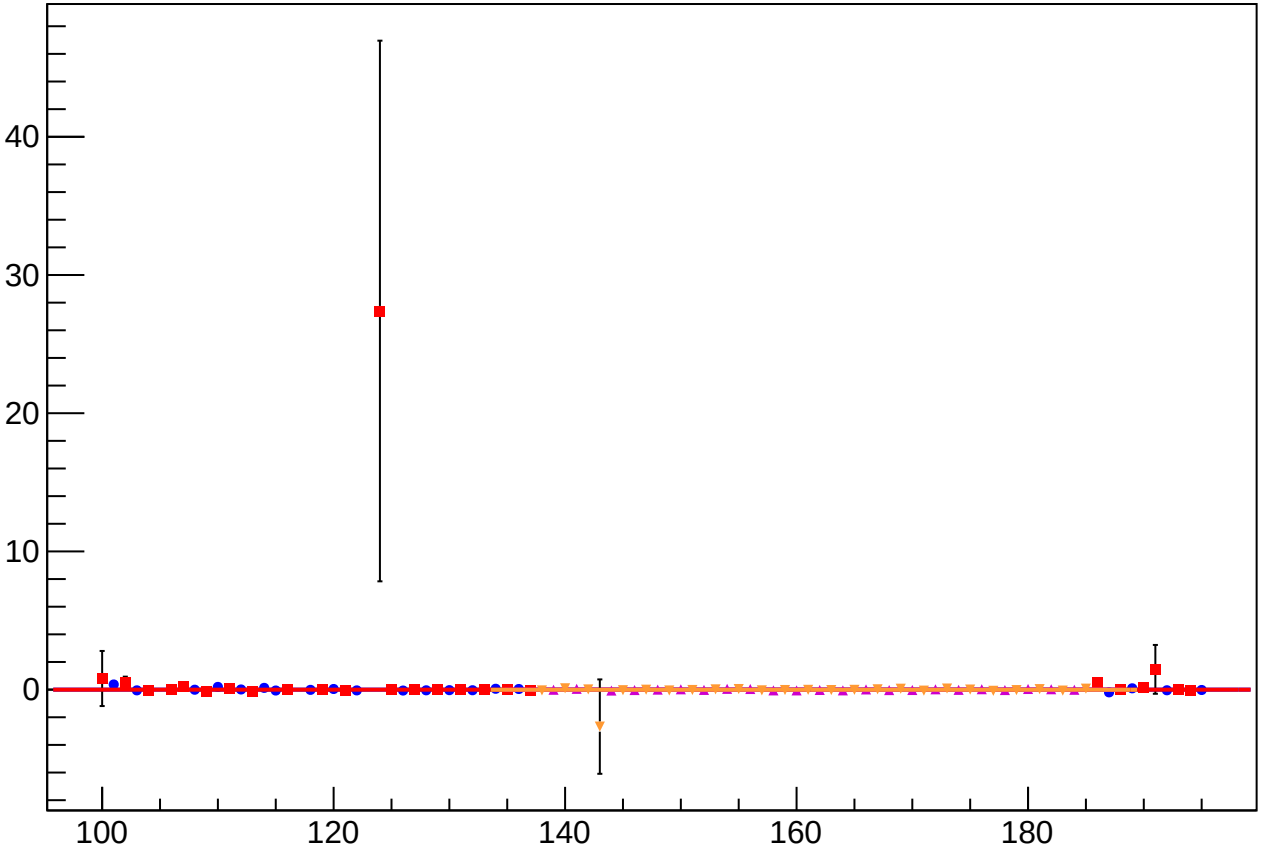
Right: 36.510+/-0.007 χ^2/NDF: 5478319.3/44

In: 33.507+/-0.005 χ^2/NDF:2709971.6/42

Out: 33.459+/-0.005 χ^2/NDF:5592207.4/49

All: 33.483+/-0.004 χ^2/NDF: 8302225.4/92

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.014 χ^2/NDF: 24.1/19

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.004+/-0.013 χ^2/NDF: 24.7/24

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

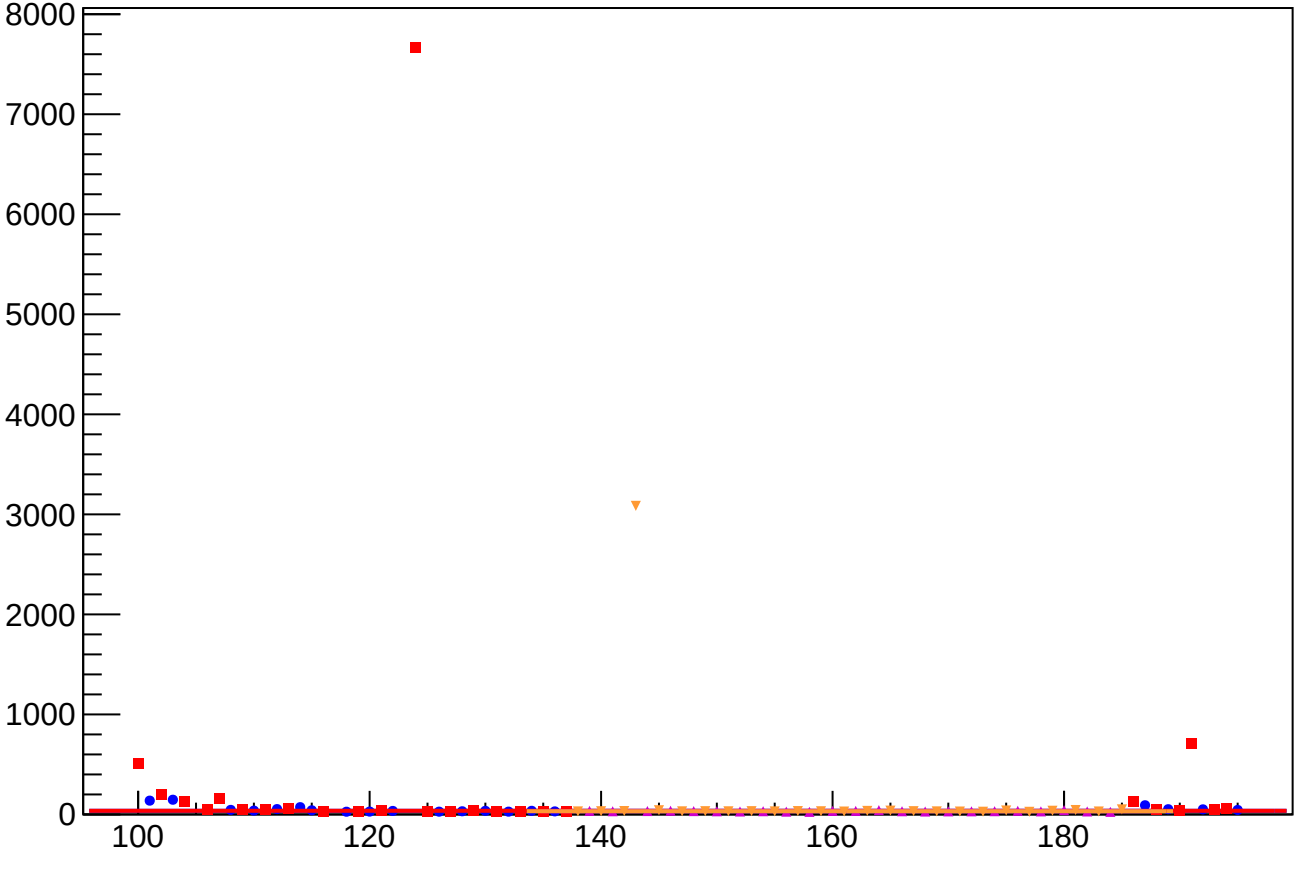
Right: -0.003+/-0.010 χ^2/NDF: 48.8/44

In: -0.003+/-0.007 χ^2/NDF:44.9/42

Out: -0.008+/-0.007 χ^2/NDF:64.4/49

All: -0.006+/-0.005 χ^2/NDF: 109.6/92

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.430+/-0.010 χ^2/NDF: 2157281.6/19

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 36.588+/-0.009 χ^2/NDF: 3320901.8/24

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

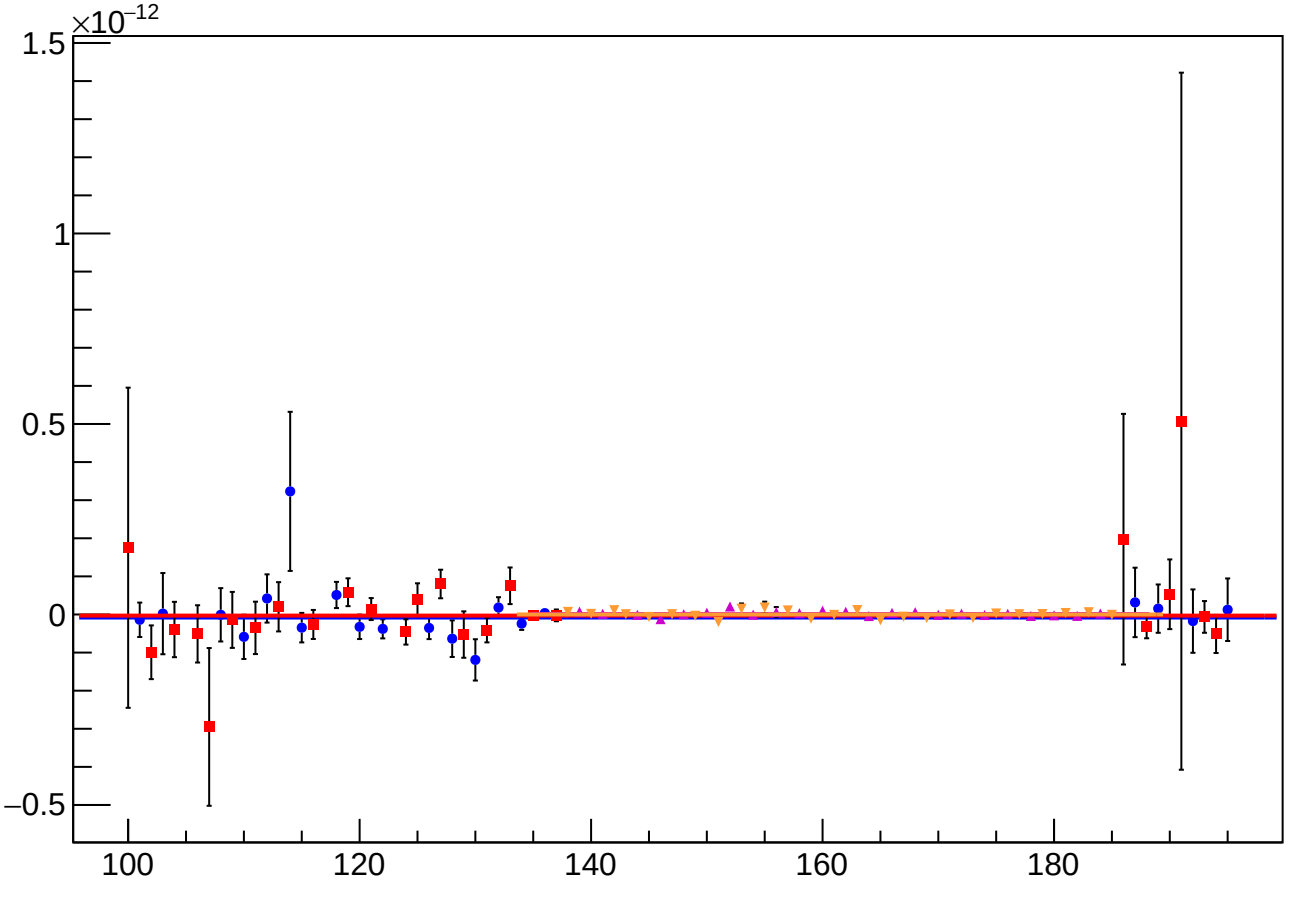
Right: 36.510+/-0.007 χ^2/NDF: 5478319.3/44

In: 33.507+/-0.005 χ^2/NDF:2709971.6/42

Out: 33.459+/-0.005 χ^2/NDF:5592207.4/49

All: 33.483+/-0.004 χ^2/NDF: 8302225.4/92

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/24

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

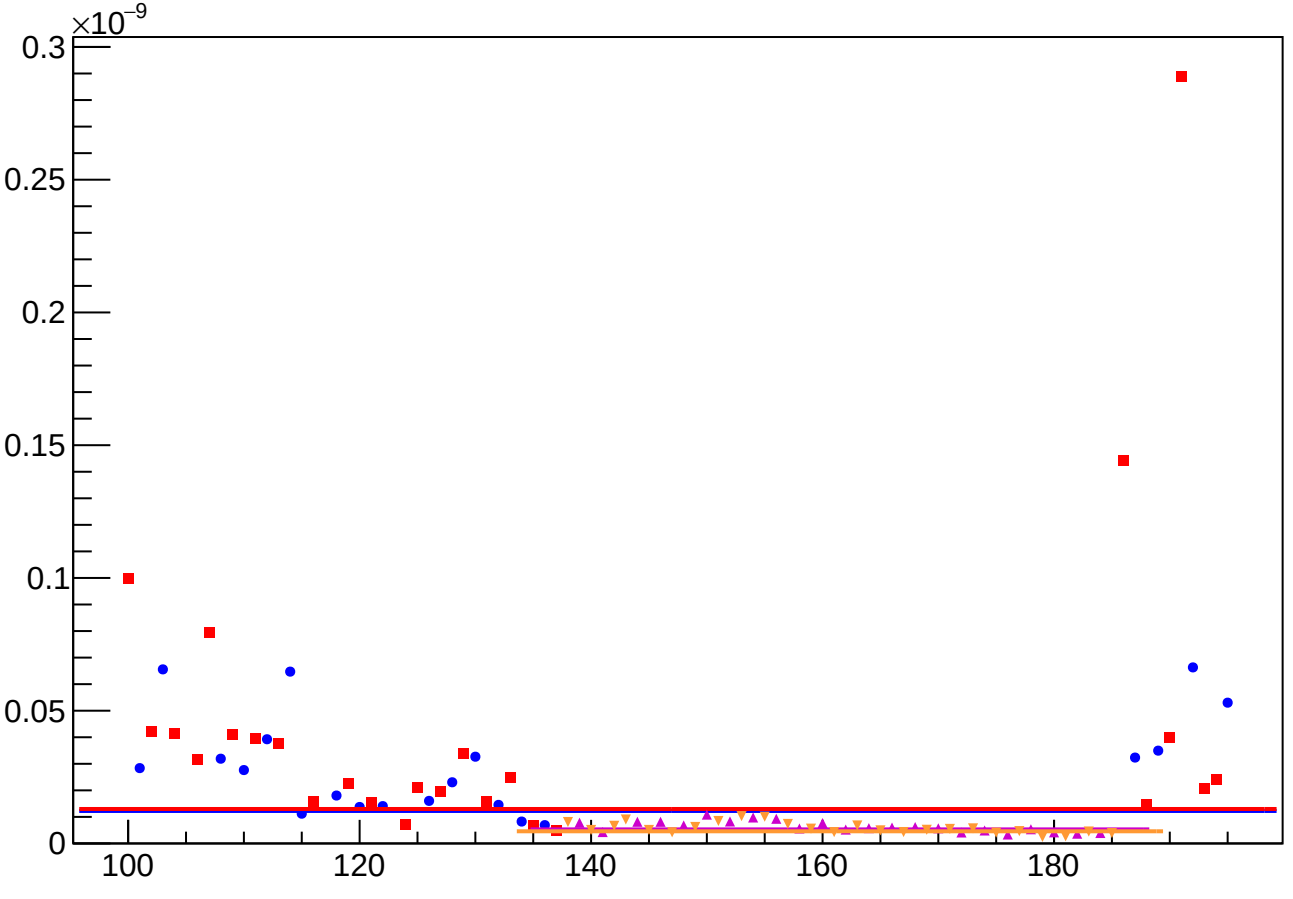
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 43.8/44

In: 0.000+/-0.000 χ^2/NDF:30.8/42

Out: -0.000+/-0.000 χ^2/NDF:45.2/49

All: 0.000+/-0.000 χ^2/NDF: 76.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 4545822.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4630234.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

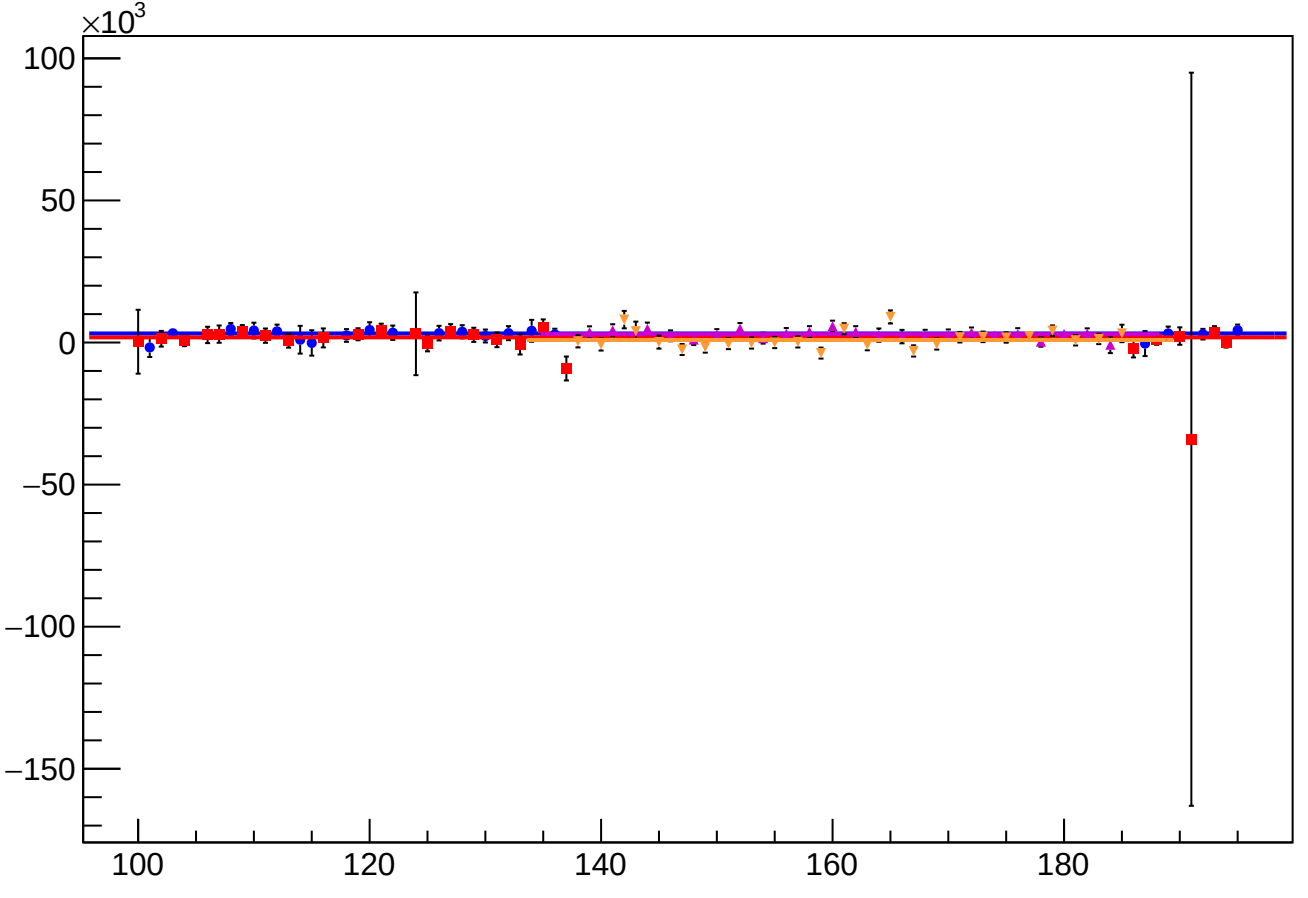
Right: 0.000+/-0.000 χ^2/NDF: 9188698.6/44

In: 0.000+/-0.000 χ^2/NDF:9044730.2/42

Out: 0.000+/-0.000 χ^2/NDF:10296753.1/49

All: 0.000+/-0.000 χ^2/NDF: 19616222.1/92

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3190.549+/-550.361 χ^2/NDF: 5.3/19

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1814.913+/-529.143 χ^2/NDF: 17.8/24

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

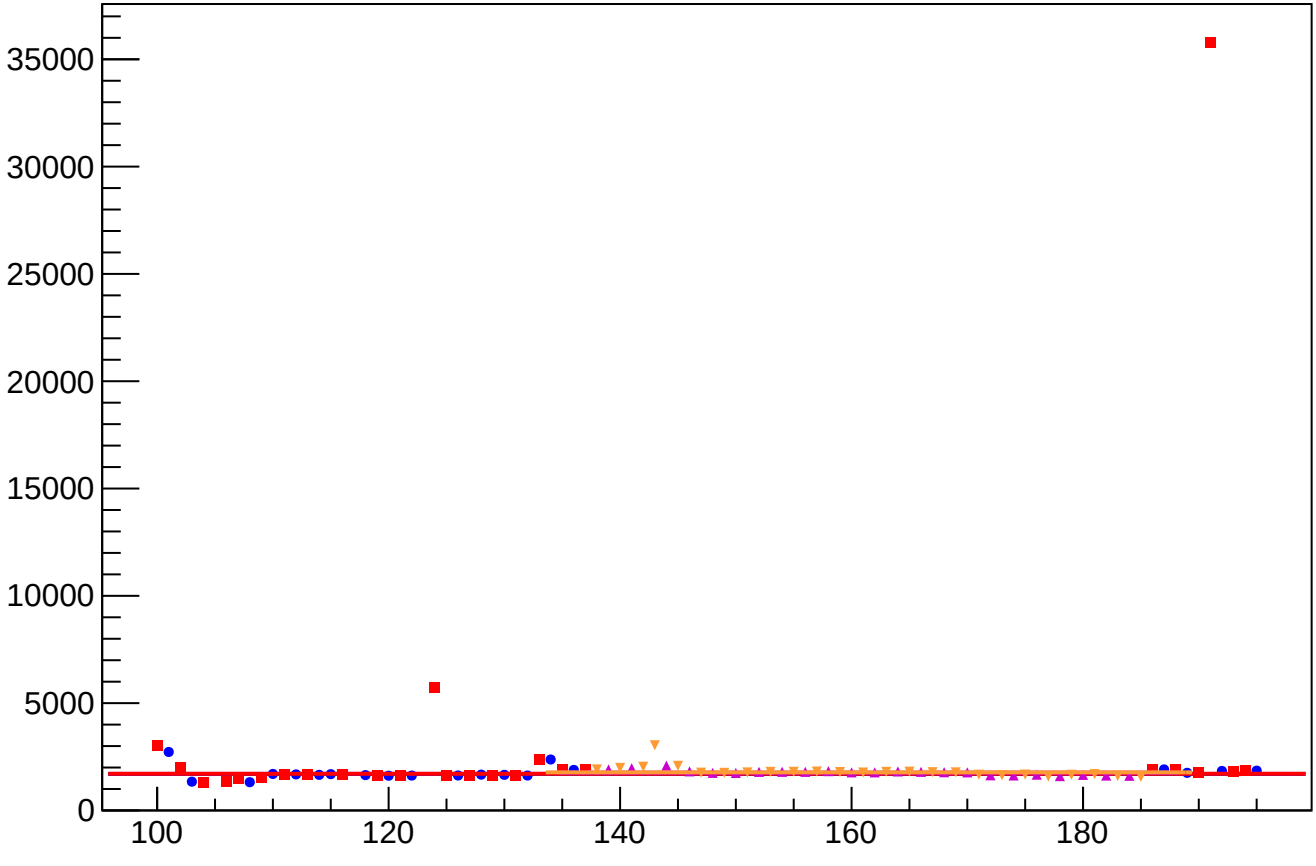
Right: 2475.703+/-381.441 χ^2/NDF: 26.4/44

In: 3032.107+/-329.857 χ^2/NDF:16.0/42

Out: 1237.868+/-321.879 χ^2/NDF:65.0/49

All: 2113.028+/-230.372 χ^2/NDF: 96.2/92

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1701.747+/-0.389 χ^2/NDF: 451676.6/19

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1708.529+/-0.374 χ^2/NDF: 645492.4/24

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

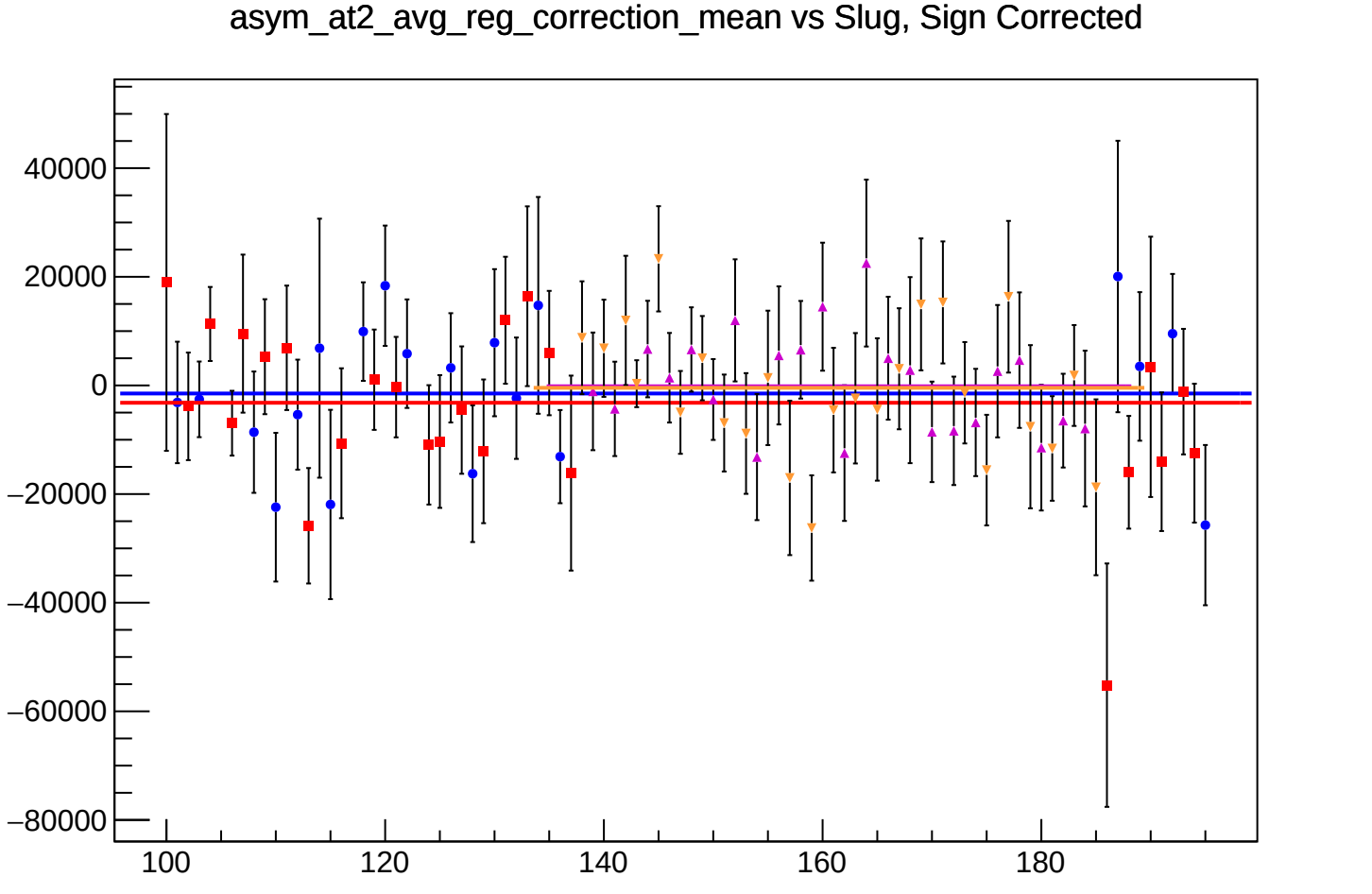
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1705.272+/-0.270 χ^2/NDF: 1097326.8/44

In: 1739.772+/-0.233 χ^2/NDF:612842.2/42

Out: 1750.234+/-0.228 χ^2/NDF:1112109.5/49

All: 1745.131+/-0.163 χ^2/NDF: 1725982.2/92



Right In: -1484.405+/-2559.482 χ^2/NDF: 18.9/19

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3190.386+/-2224.375 χ^2/NDF: 26.6/24

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

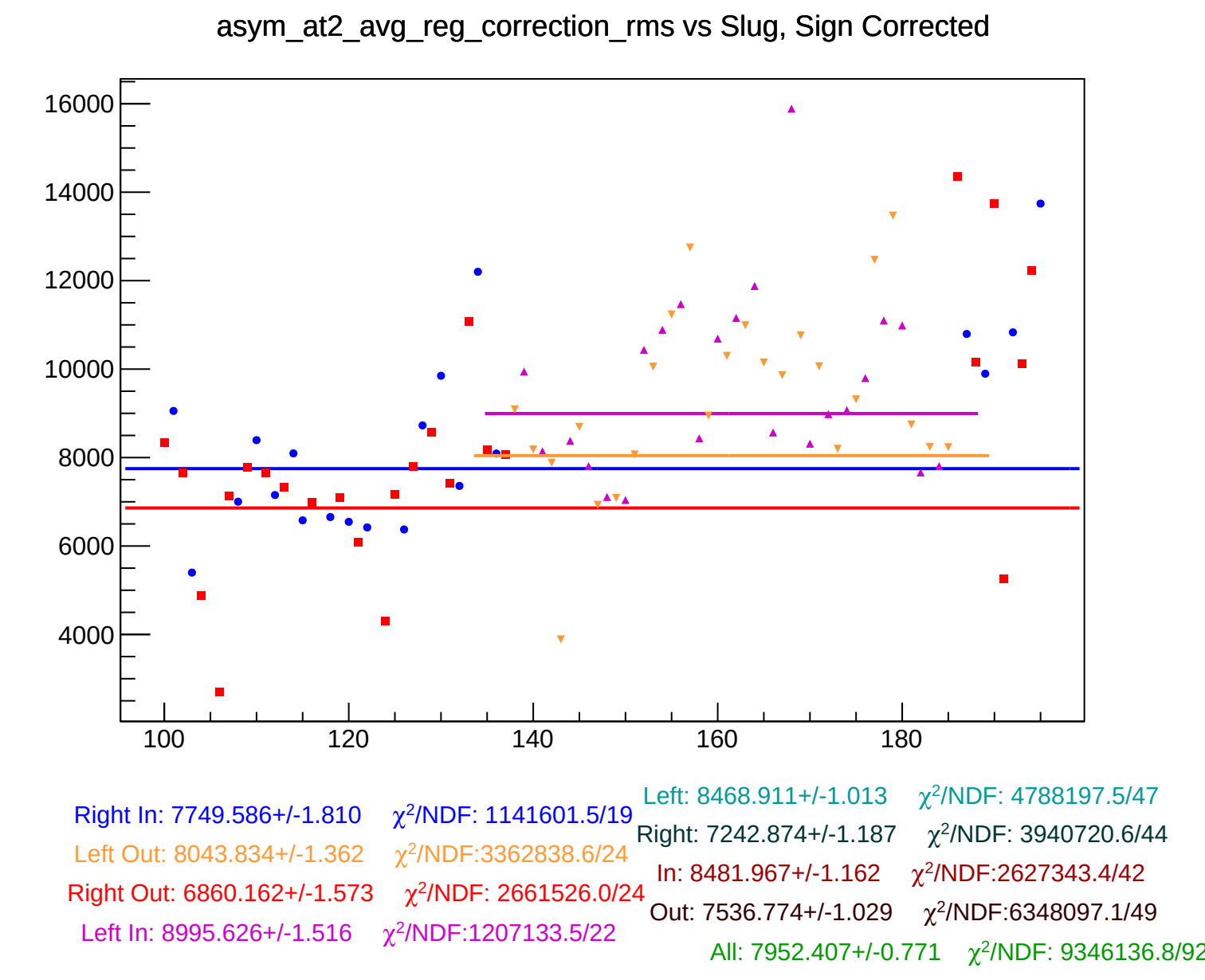
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

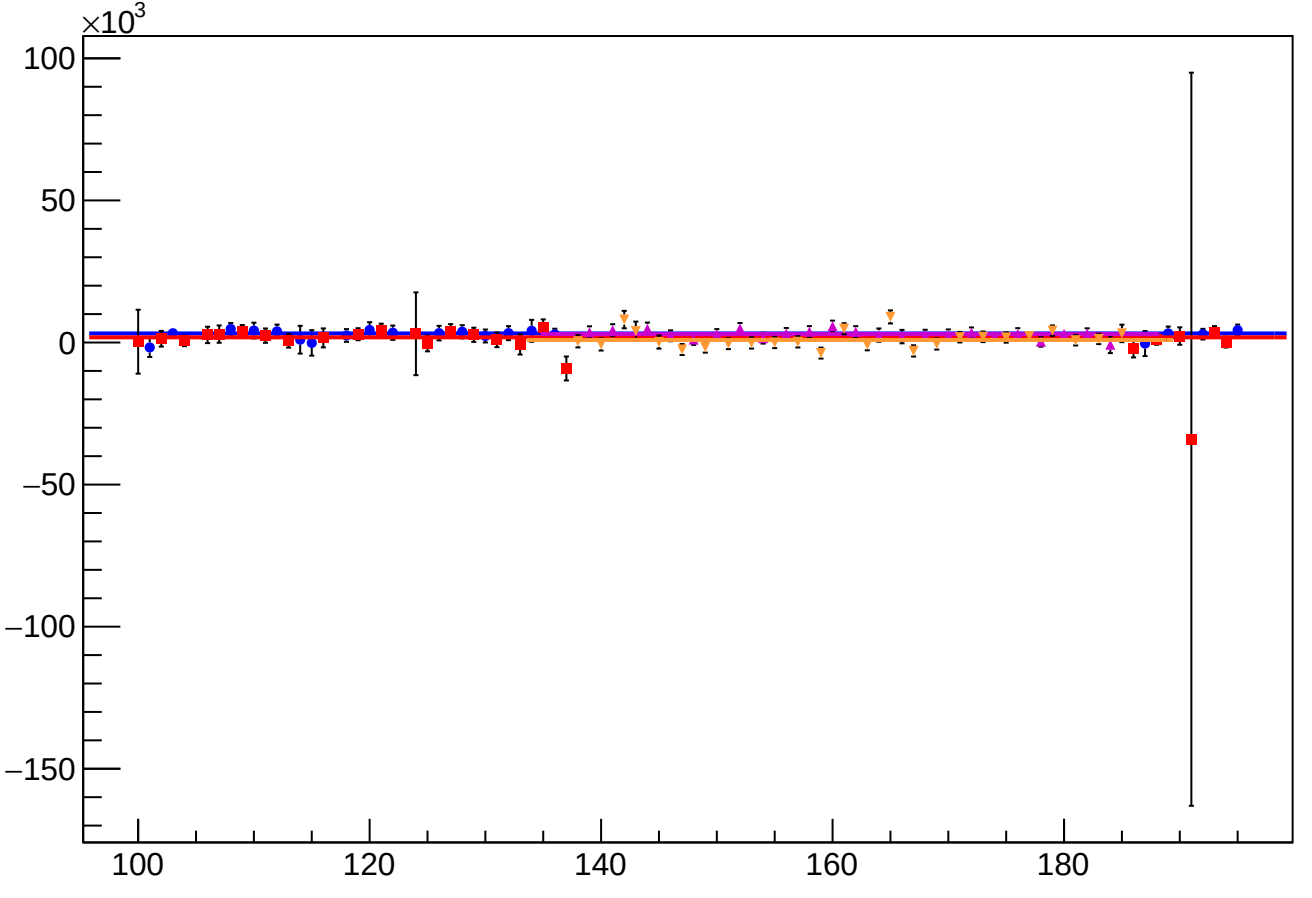
Right: -2456.315+/-1678.935 χ^2/NDF: 45.8/44

In: -703.183+/-1643.326 χ^2/NDF:32.9/42

Out: -1620.117+/-1455.867 χ^2/NDF:56.9/49

All: -1216.910+/-1089.729 χ^2/NDF: 90.0/92


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
Right In: 7749.586+/-1.810 χ²/NDF: 1141601.5/19
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 6860.162+/-1.573 χ²/NDF: 2661526.0/24
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 7242.874+/-1.187 χ²/NDF: 3940720.6/44
In: 8481.967+/-1.162 χ²/NDF:2627343.4/42
Out: 7536.774+/-1.029 χ²/NDF:6348097.1/49
All: 7952.407+/-0.771 χ²/NDF: 9346136.8/92



Right In: 3190.641+/-550.361 χ^2/NDF: 5.3/19

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1814.770+/-529.143 χ^2/NDF: 17.8/24

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

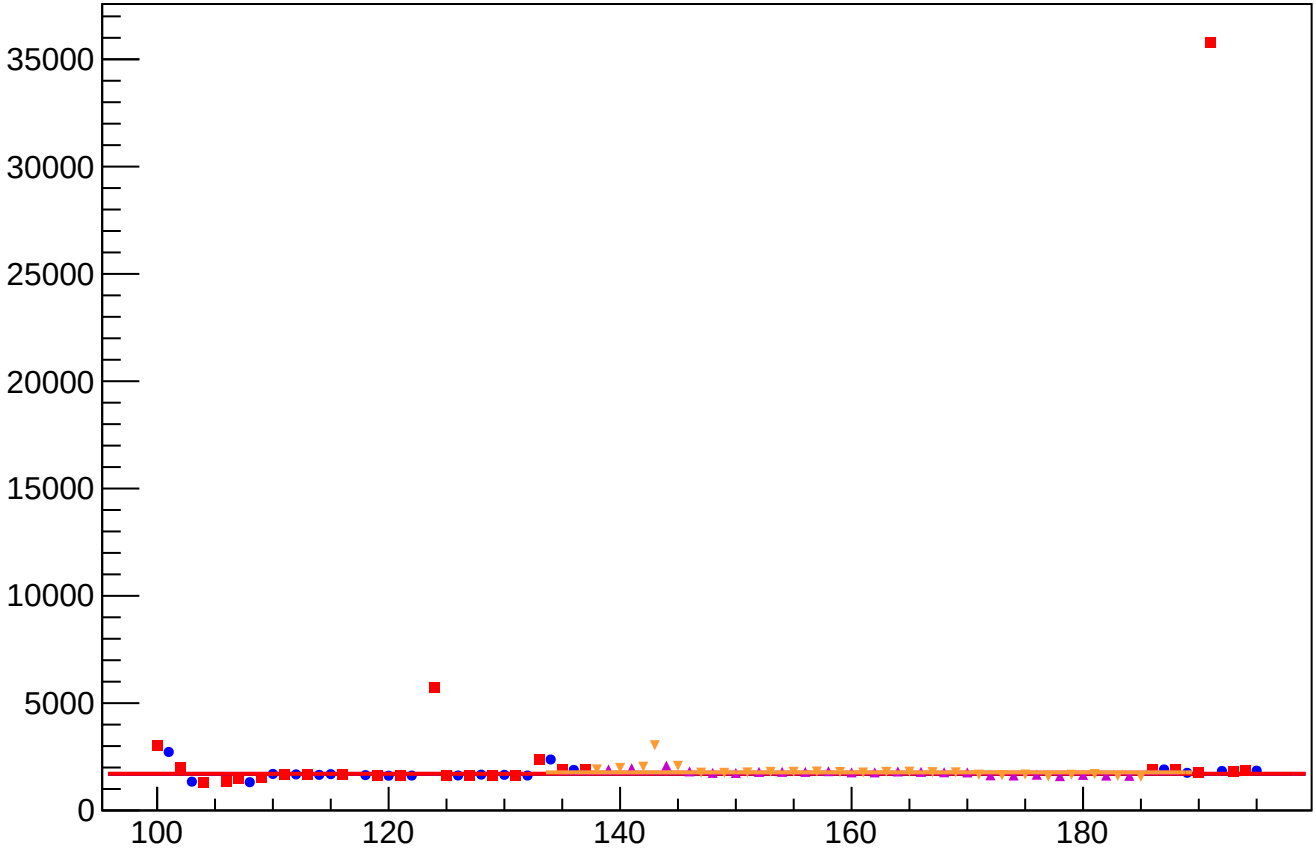
Right: 2475.673+/-381.441 χ^2/NDF: 26.4/44

In: 3032.068+/-329.857 χ^2/NDF:16.0/42

Out: 1237.766+/-321.879 χ^2/NDF:65.0/49

All: 2112.956+/-230.372 χ^2/NDF: 96.2/92

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1701.747+/-0.389 χ^2/NDF: 451677.0/19

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1708.529+/-0.374 χ^2/NDF: 645492.6/24

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

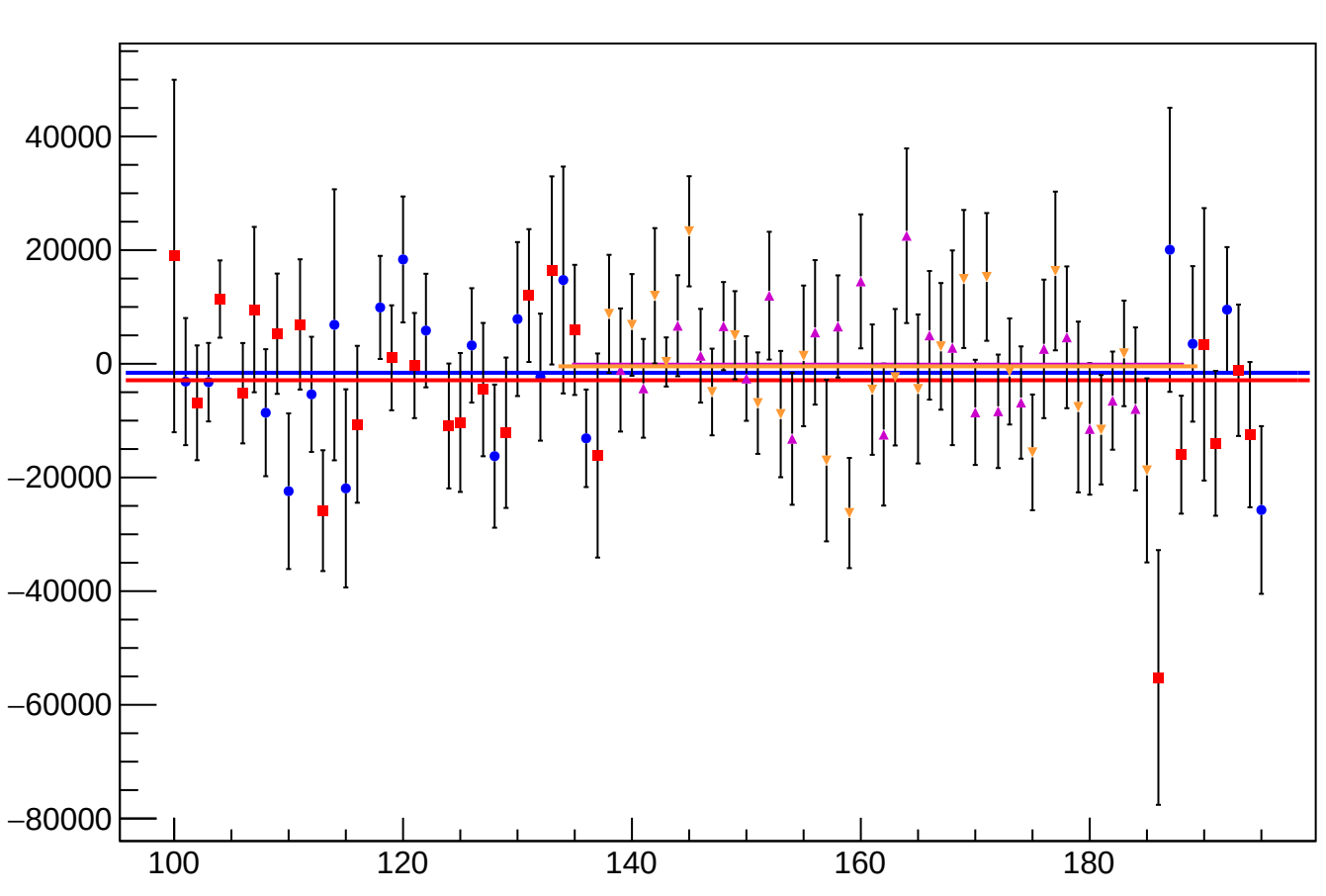
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1705.272+/-0.270 χ^2/NDF: 1097327.3/44

In: 1739.772+/-0.233 χ^2/NDF:612842.6/42

Out: 1750.234+/-0.228 χ^2/NDF:1112109.7/49

All: 1745.131+/-0.163 χ^2/NDF: 1725982.9/92



Right In: -1580.076+/-2556.507 χ^2/NDF: 19.0/19

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2898.129+/-2315.112 χ^2/NDF: 26.4/24

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

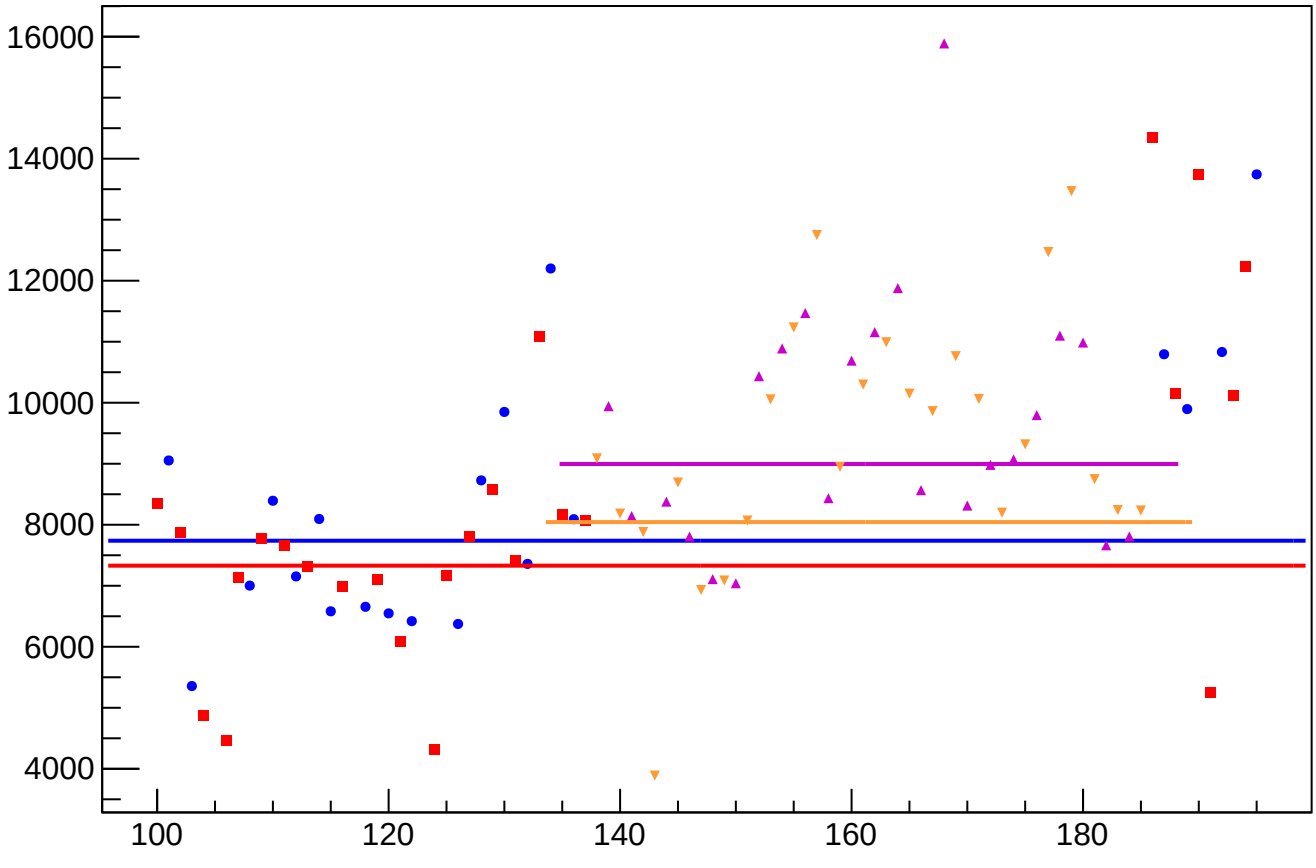
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -2304.254+/-1716.043 χ^2/NDF: 45.5/44

In: -743.407+/-1642.537 χ^2/NDF:32.9/42

Out: -1447.175+/-1480.438 χ^2/NDF:56.6/49

All: -1131.722+/-1099.683 χ^2/NDF: 89.6/92



Right In: 7738.309+/-1.808 χ^2/NDF: 1153872.4/19

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7329.422+/-1.637 χ^2/NDF: 1763375.0/24

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

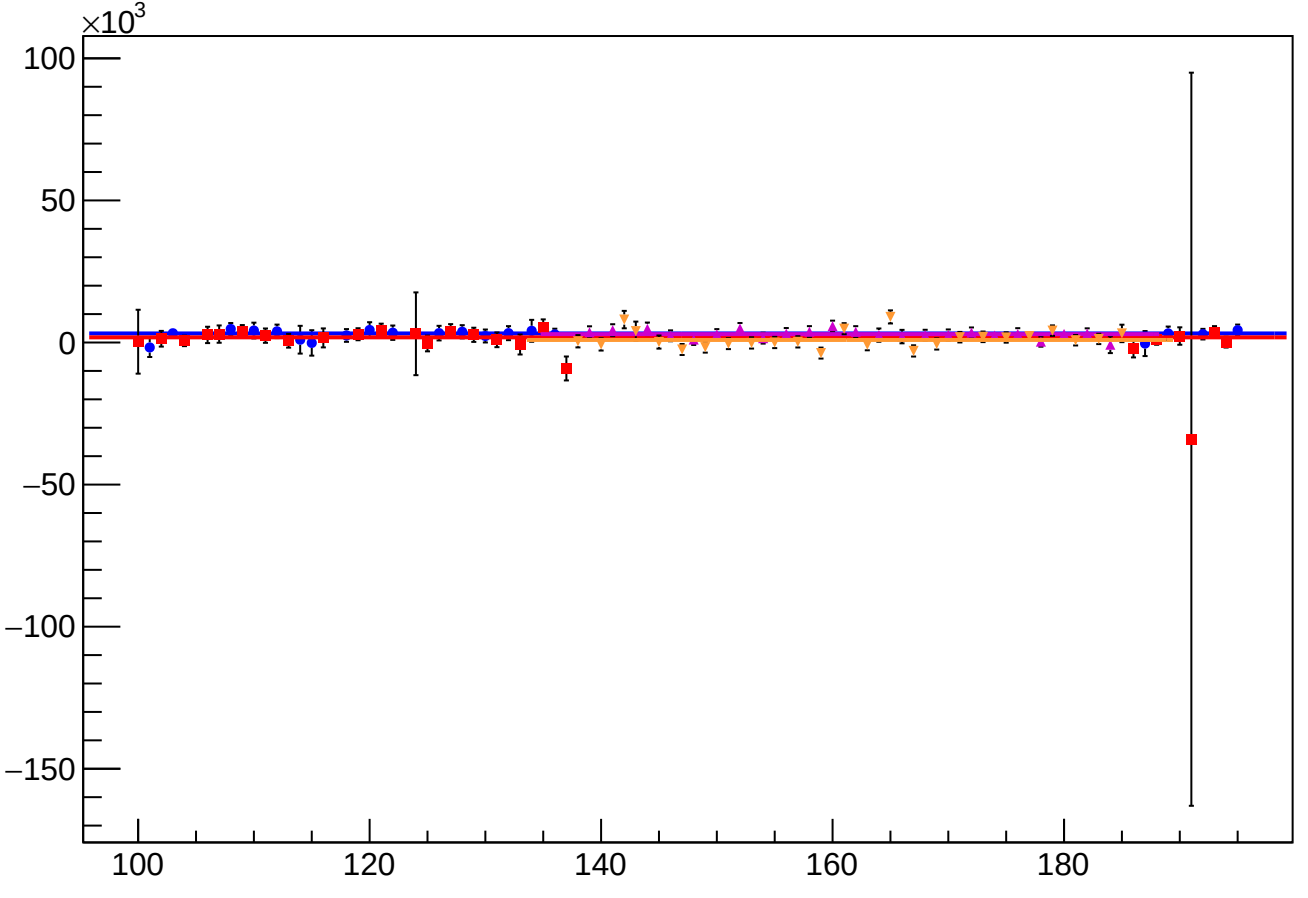
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 7513.654+/-1.213 χ^2/NDF: 2945357.0/44

In: 8476.604+/-1.161 χ^2/NDF:2645069.8/42

Out: 7751.682+/-1.047 χ^2/NDF:5238855.3/49

All: 8076.616+/-0.778 χ^2/NDF: 8098875.1/92



Right In: 3190.641+/-550.361 χ^2/NDF: 5.3/19

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1814.770+/-529.143 χ^2/NDF: 17.8/24

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

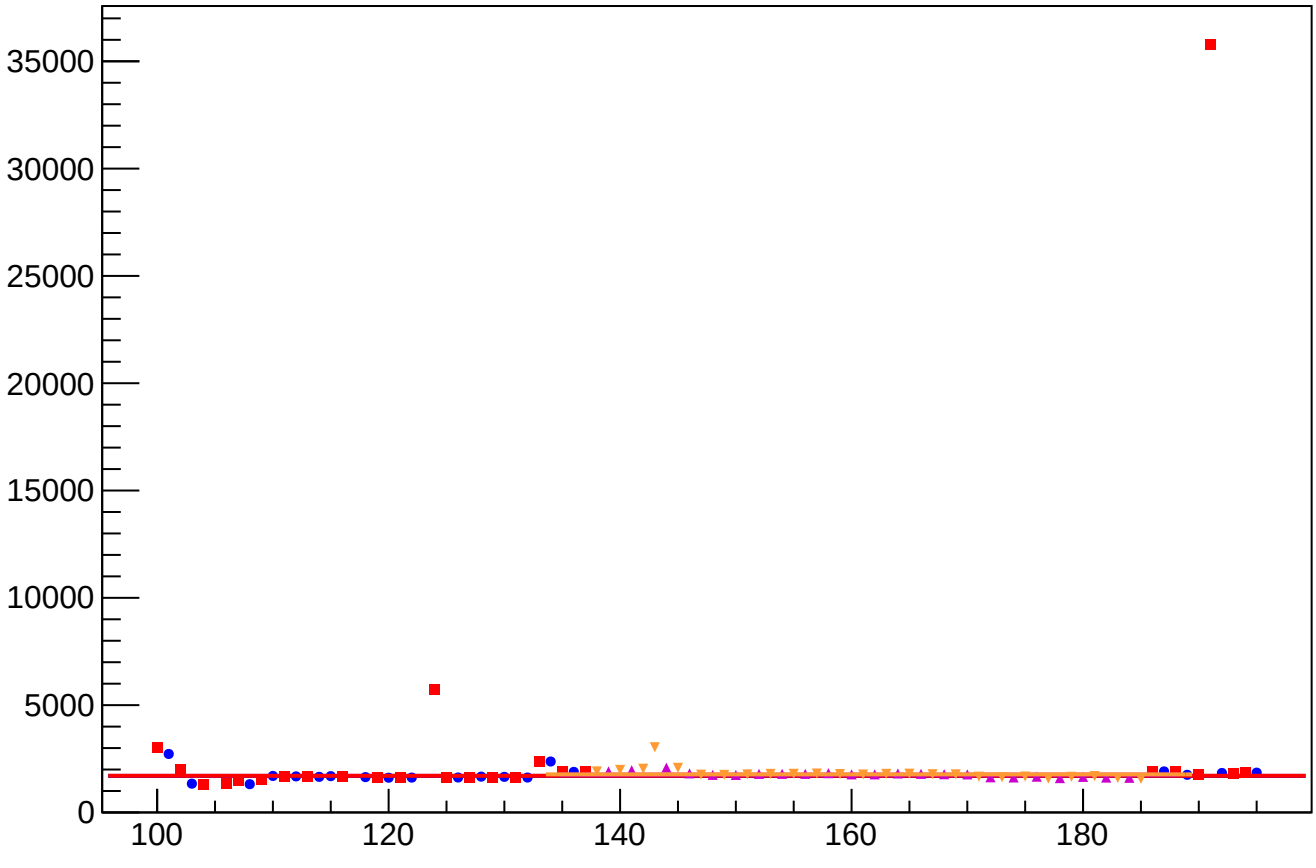
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2475.673+/-381.441 χ^2/NDF: 26.4/44

In: 3032.068+/-329.857 χ^2/NDF:16.0/42

Out: 1237.766+/-321.879 χ^2/NDF:65.0/49

All: 2112.956+/-230.372 χ^2/NDF: 96.2/92



Right In: 1701.747+/-0.389 χ^2/NDF: 451677.0/19

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1708.529+/-0.374 χ^2/NDF: 645492.6/24

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

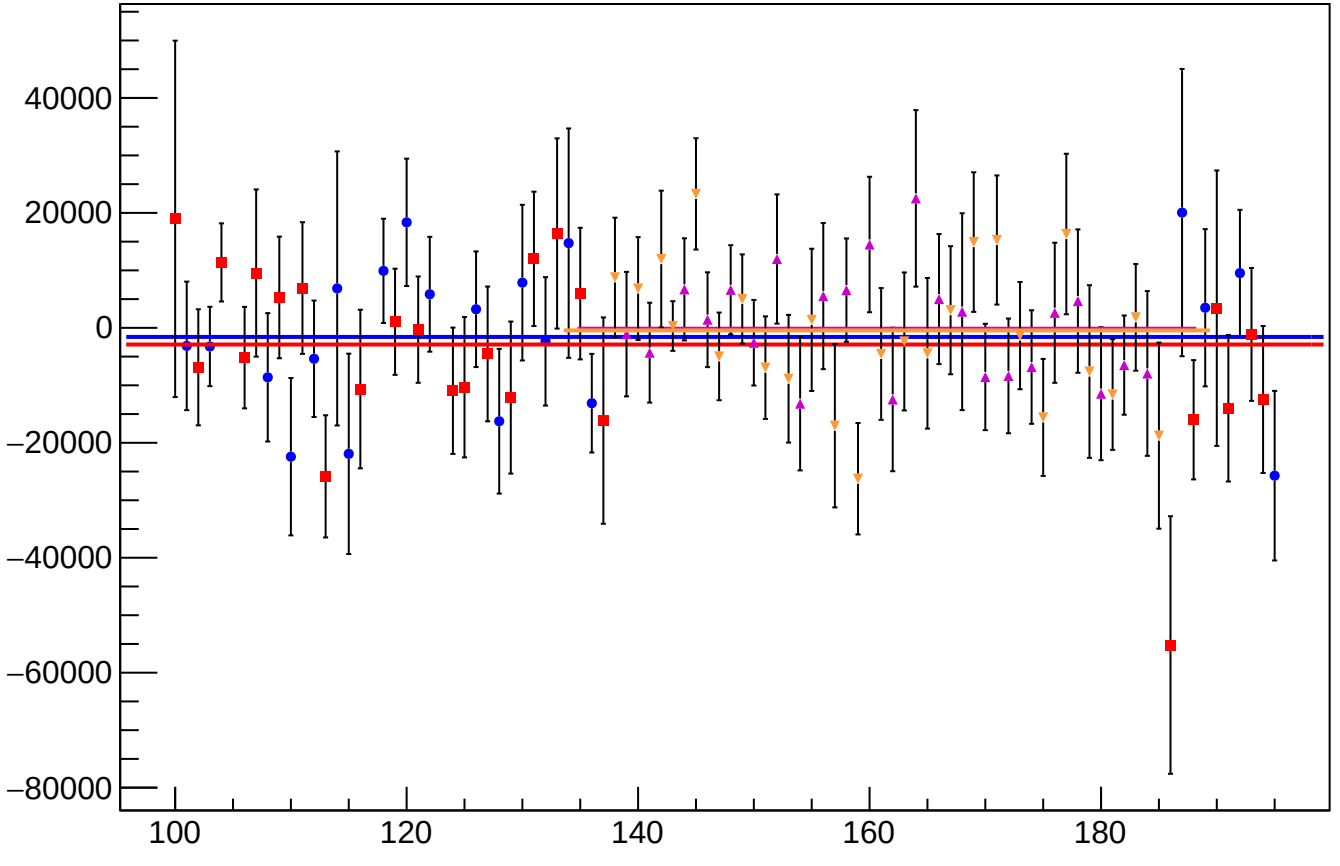
Right: 1705.272+/-0.270 χ^2/NDF: 1097327.3/44

In: 1739.772+/-0.233 χ^2/NDF:612842.6/42

Out: 1750.234+/-0.228 χ^2/NDF:1112109.7/49

All: 1745.131+/-0.163 χ^2/NDF: 1725982.9/92

asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1580.076+/-2556.507 χ^2/NDF: 19.0/19

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2898.129+/-2315.112 χ^2/NDF: 26.4/24

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

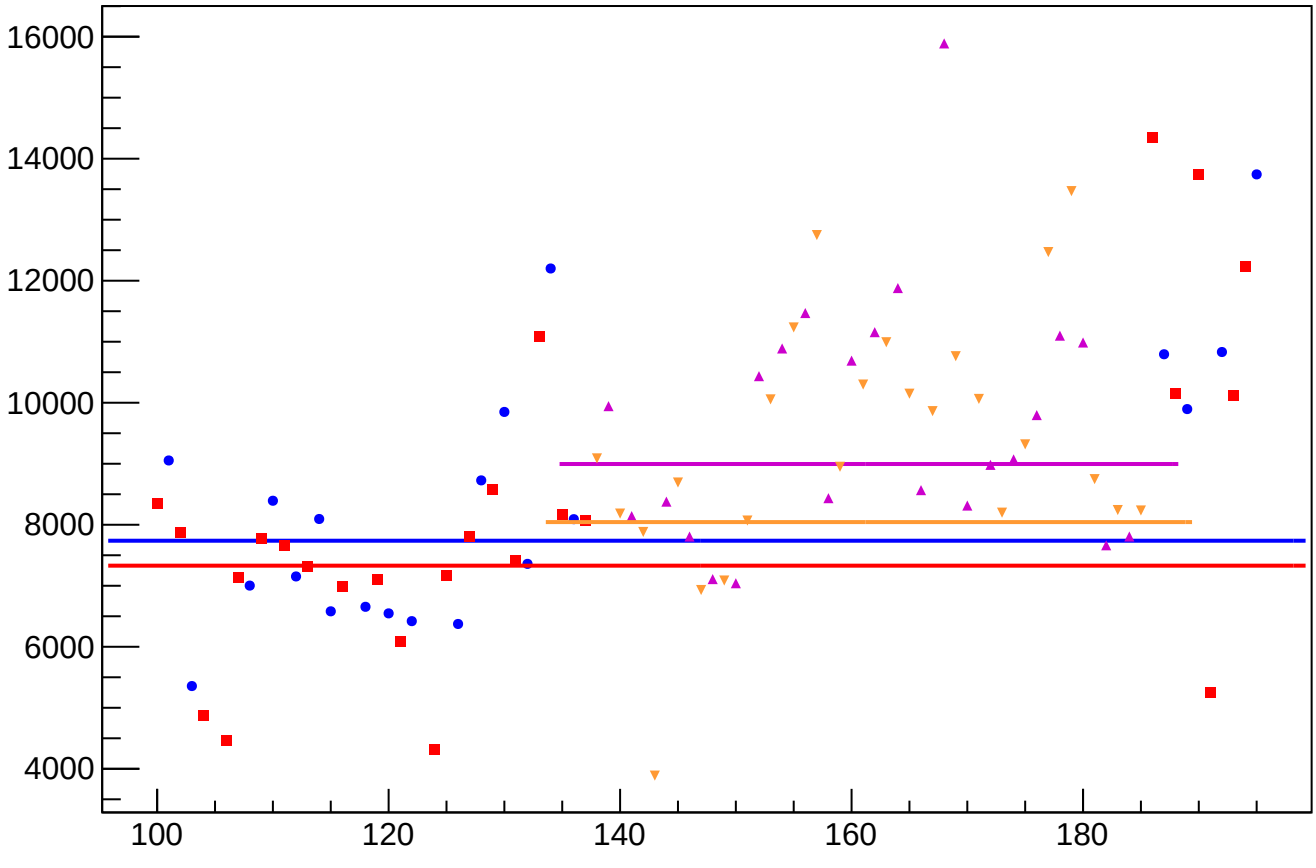
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -2304.254+/-1716.043 χ^2/NDF: 45.5/44

In: -743.407+/-1642.537 χ^2/NDF:32.9/42

Out: -1447.175+/-1480.438 χ^2/NDF:56.6/49

All: -1131.722+/-1099.683 χ^2/NDF: 89.6/92



Right In: 7738.309+/-1.808 χ^2/NDF: 1153872.4/19

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7329.422+/-1.637 χ^2/NDF: 1763375.0/24

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

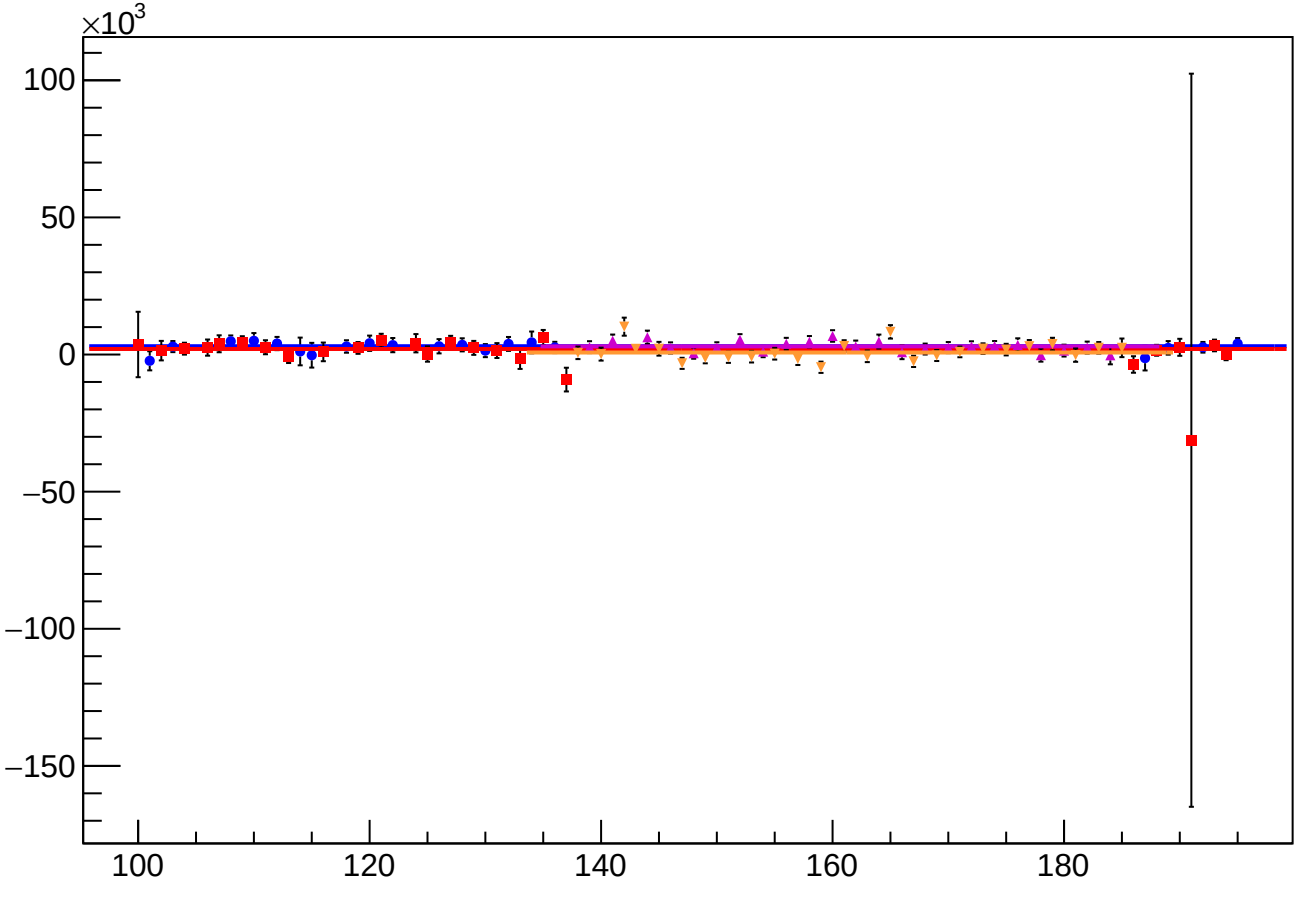
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 7513.654+/-1.213 χ^2/NDF: 2945357.0/44

In: 8476.604+/-1.161 χ^2/NDF:2645069.8/42

Out: 7751.682+/-1.047 χ^2/NDF:5238855.3/49

All: 8076.616+/-0.778 χ^2/NDF: 8098875.1/92



Right In: 3035.338+/-570.271 χ^2/NDF: 6.6/19

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2027.648+/-542.859 χ^2/NDF: 21.6/24

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

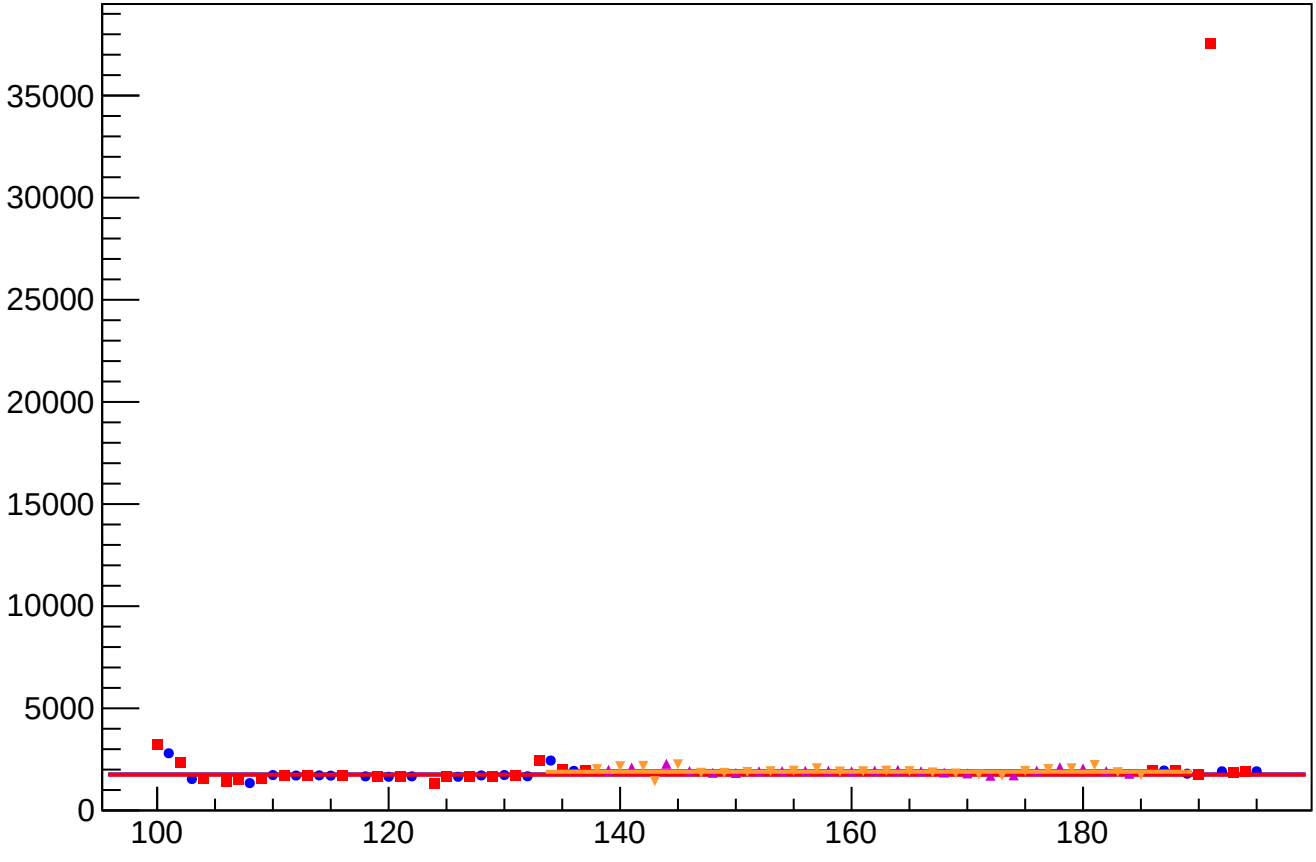
Right: 2506.692+/-393.193 χ^2/NDF: 29.8/44

In: 3000.777+/-353.424 χ^2/NDF:22.2/42

Out: 1239.914+/-338.449 χ^2/NDF:66.6/49

All: 2082.252+/-244.442 χ^2/NDF: 101.8/92

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1764.649+/-0.403 χ^2/NDF: 399702.5/19

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1751.427+/-0.384 χ^2/NDF: 497153.5/24

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

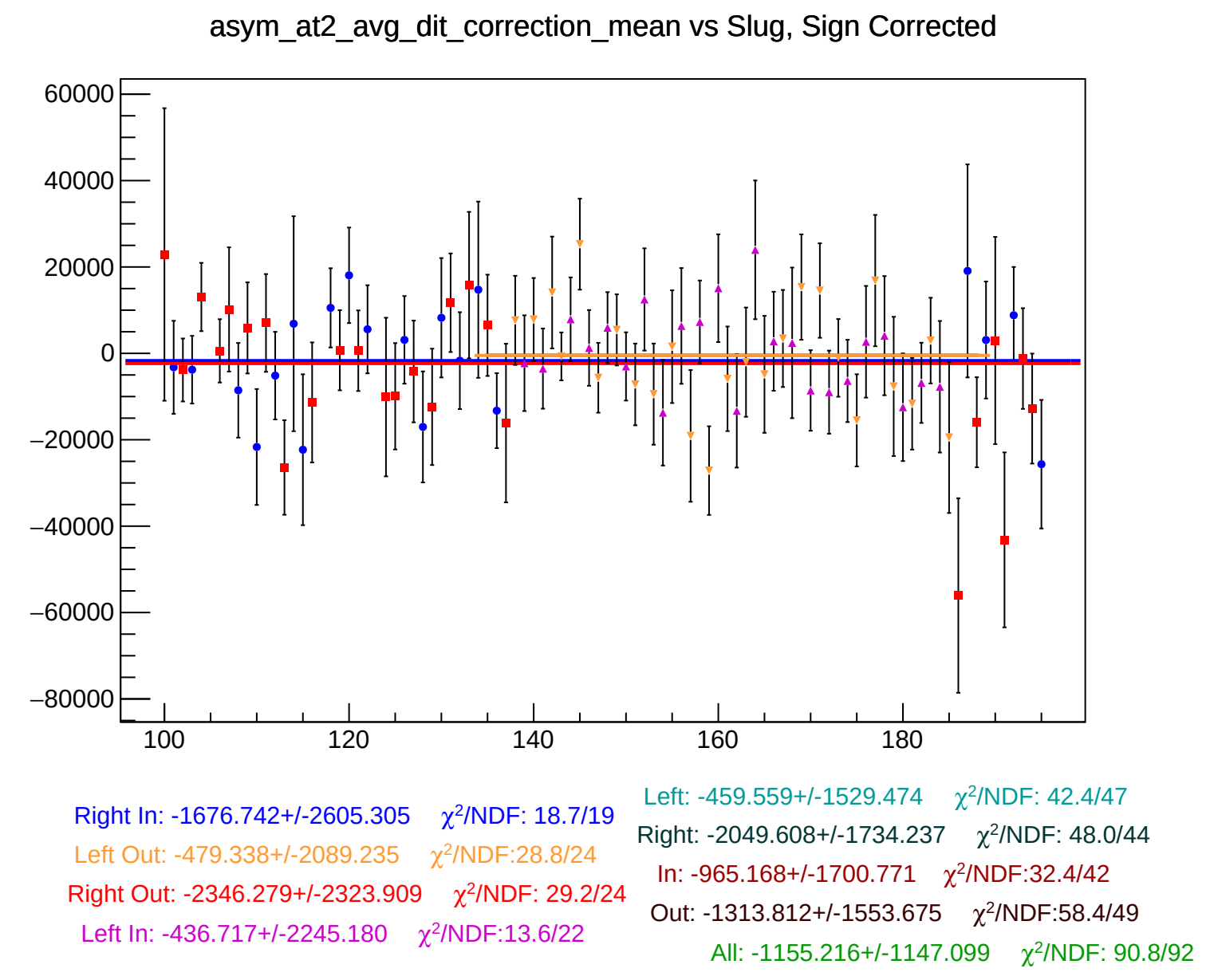
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1757.711+/-0.278 χ^2/NDF: 897420.1/44

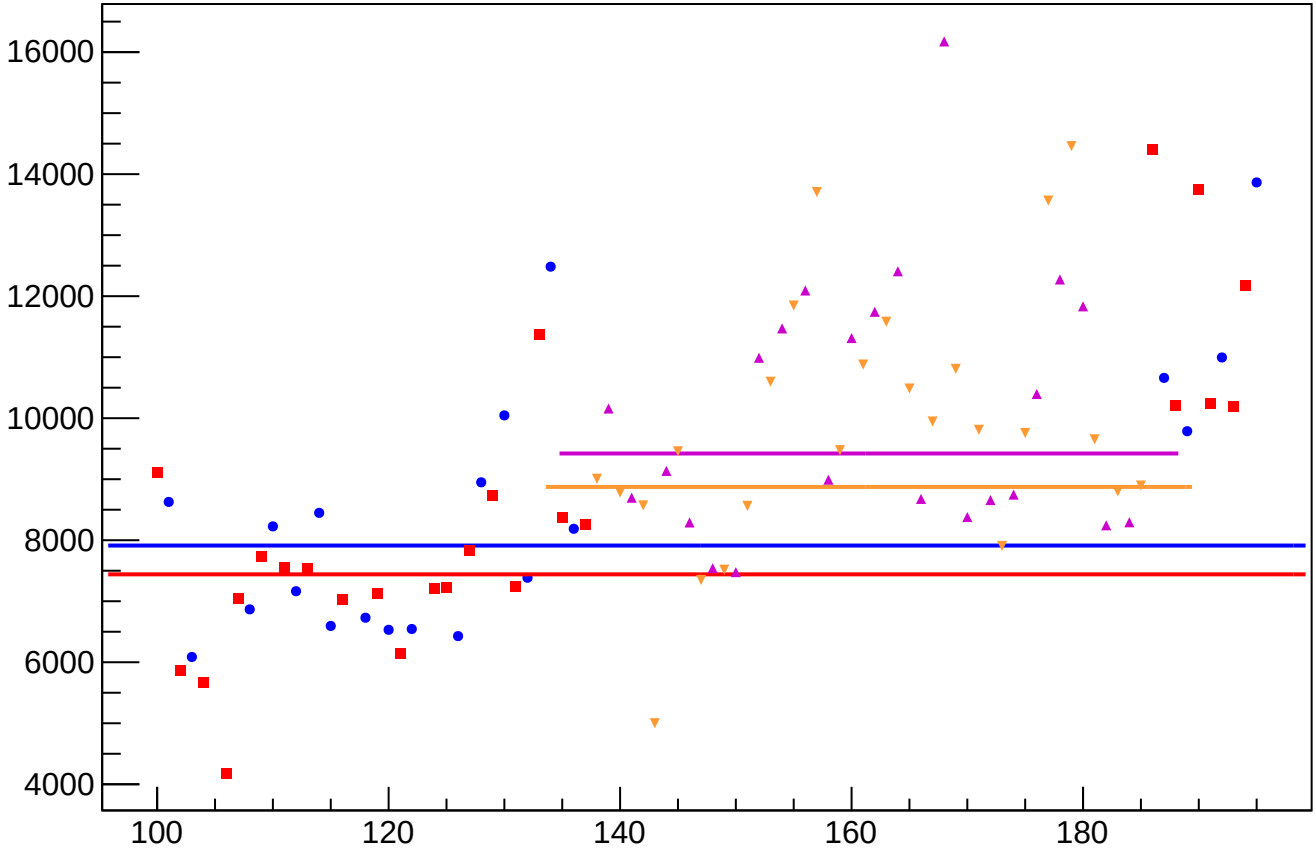
In: 1862.203+/-0.250 χ^2/NDF:645705.5/42

Out: 1838.982+/-0.239 χ^2/NDF:950911.0/49

All: 1850.089+/-0.173 χ^2/NDF: 1601120.8/92


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
Right In: -1676.742+/-2605.305 χ²/NDF: 18.7/19
Left Out: -479.338+/-2089.235 χ²/NDF:28.8/24
Right Out: -2346.279+/-2323.909 χ²/NDF: 29.2/24
Left In: -436.717+/-2245.180 χ²/NDF:13.6/22
Left: -459.559+/-1529.474 χ²/NDF: 42.4/47
Right: -2049.608+/-1734.237 χ²/NDF: 48.0/44
In: -965.168+/-1700.771 χ²/NDF:32.4/42
Out: -1313.812+/-1553.675 χ²/NDF:58.4/49
All: -1155.216+/-1147.099 χ²/NDF: 90.8/92

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 7912.767+/-1.842 χ^2/NDF: 1005848.3/19

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7440.746+/-1.643 χ^2/NDF: 1686446.1/24

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

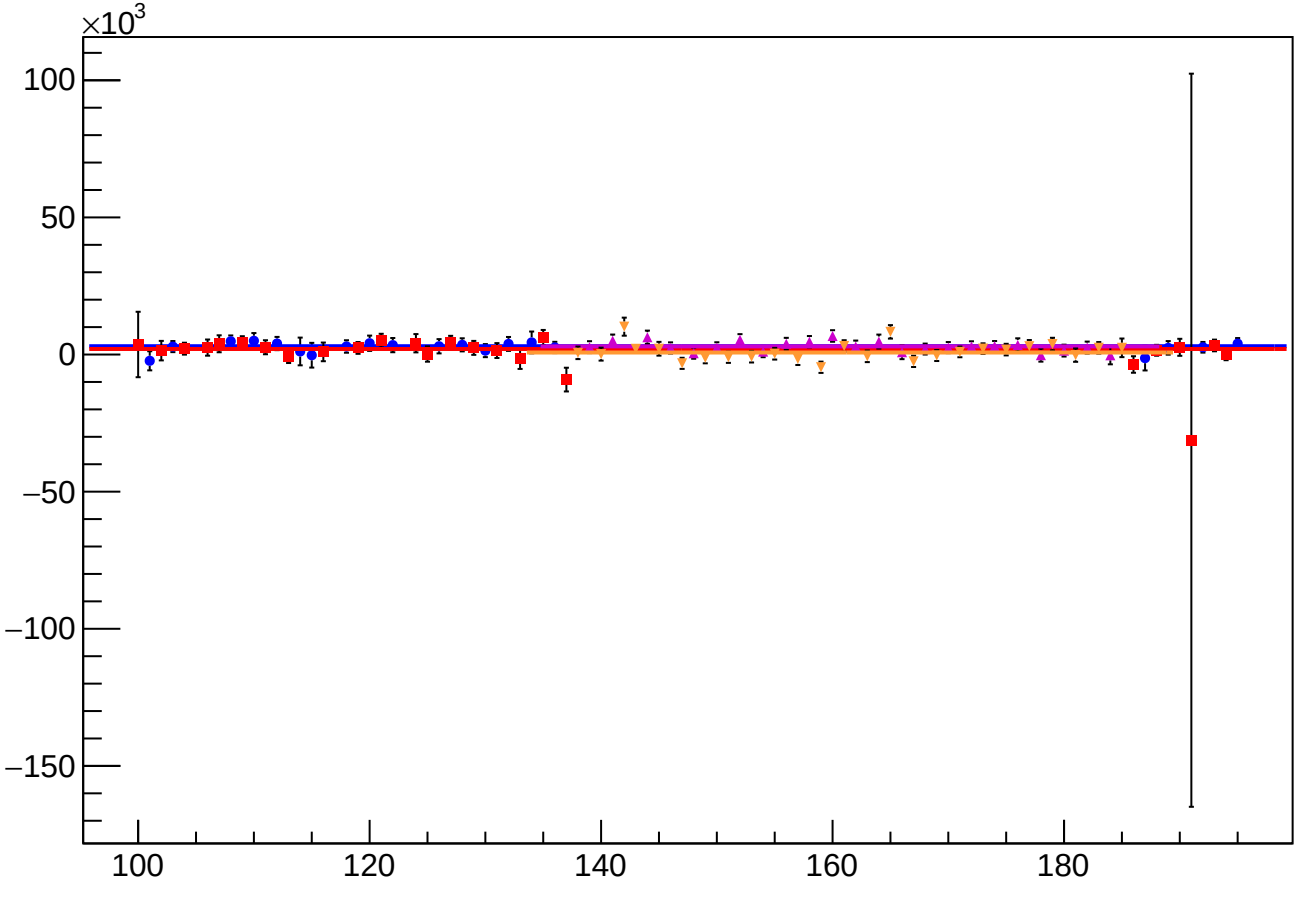
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 7649.898+/-1.226 χ^2/NDF: 2728855.1/44

In: 8778.655+/-1.203 χ^2/NDF:2595683.7/42

Out: 8233.148+/-1.099 χ^2/NDF:4310167.6/49

All: 8481.295+/-0.811 χ^2/NDF: 7018006.8/92



Right In: 3035.337+/-570.271 χ^2/NDF: 6.6/19

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2027.654+/-542.858 χ^2/NDF: 21.6/24

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

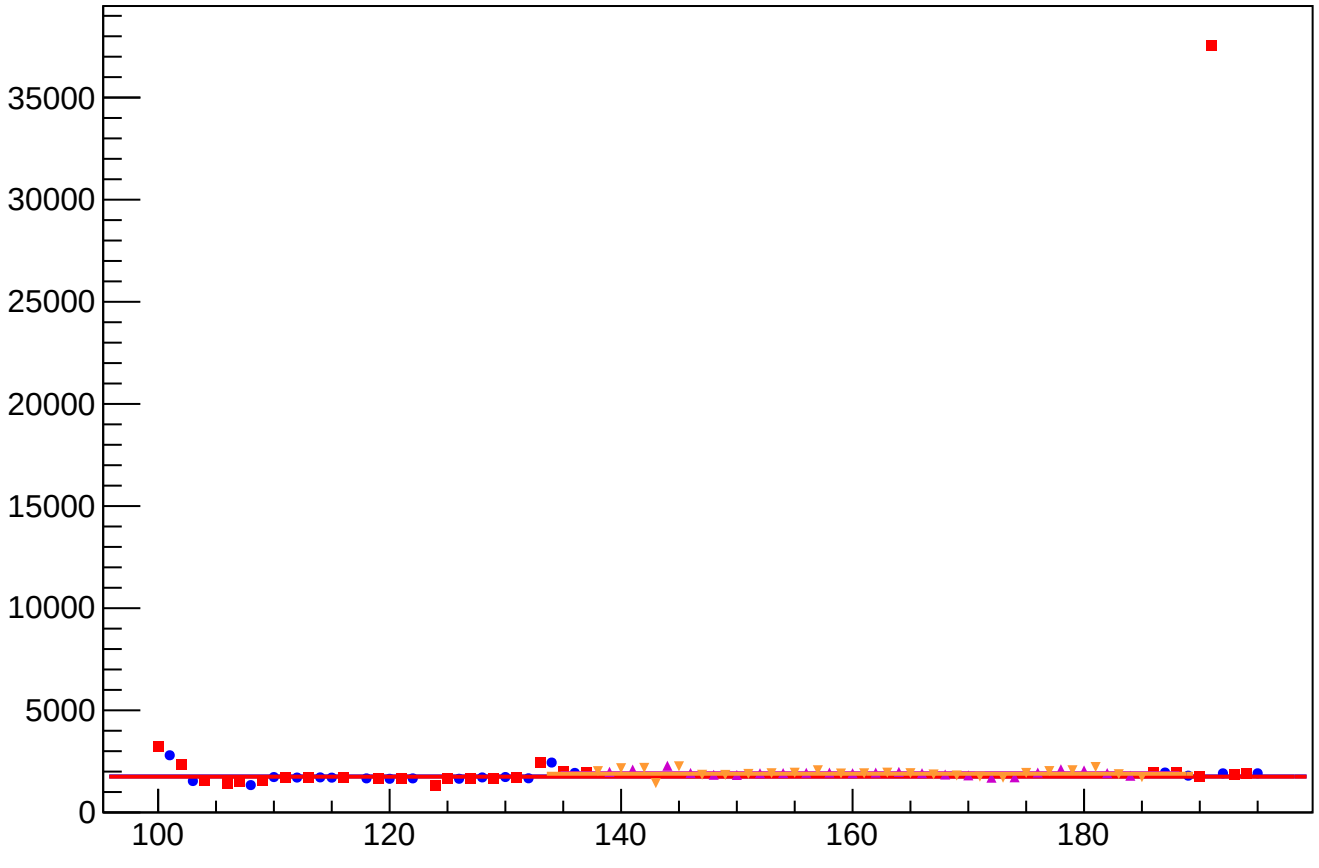
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2506.695+/-393.193 χ^2/NDF: 29.8/44

In: 3000.777+/-353.424 χ^2/NDF:22.2/42

Out: 1239.910+/-338.449 χ^2/NDF:66.6/49

All: 2082.250+/-244.442 χ^2/NDF: 101.8/92



Right In: 1764.648+/-0.403 χ^2/NDF: 399702.5/19

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1751.427+/-0.384 χ^2/NDF: 497154.0/24

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

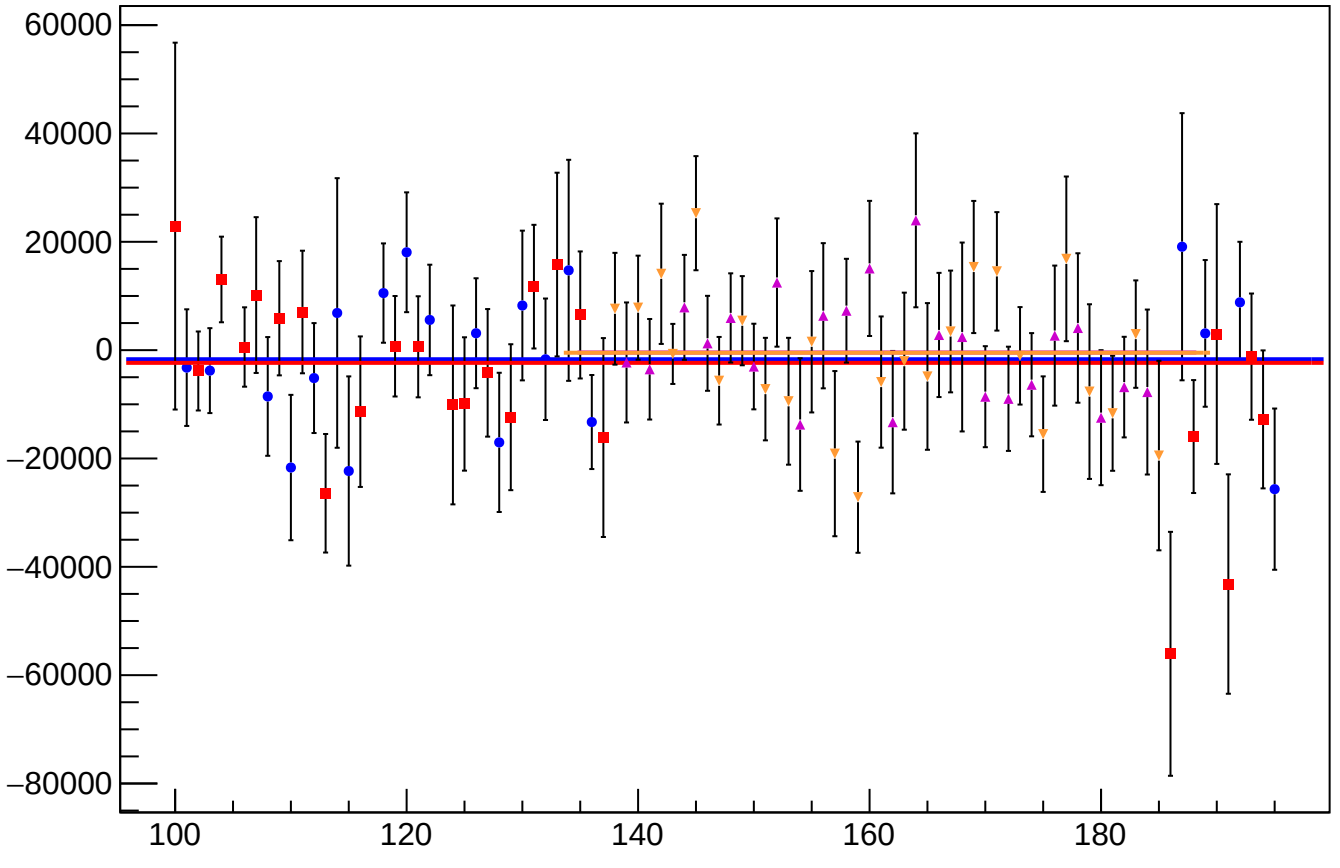
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1757.710+/-0.278 χ^2/NDF: 897420.6/44

In: 1862.205+/-0.250 χ^2/NDF:645717.5/42

Out: 1838.984+/-0.239 χ^2/NDF:950923.0/49

All: 1850.091+/-0.173 χ^2/NDF: 1601144.8/92



Right In: -1676.723+/-2605.300 χ^2/NDF: 18.7/19

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2346.264+/-2323.905 χ^2/NDF: 29.2/24

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

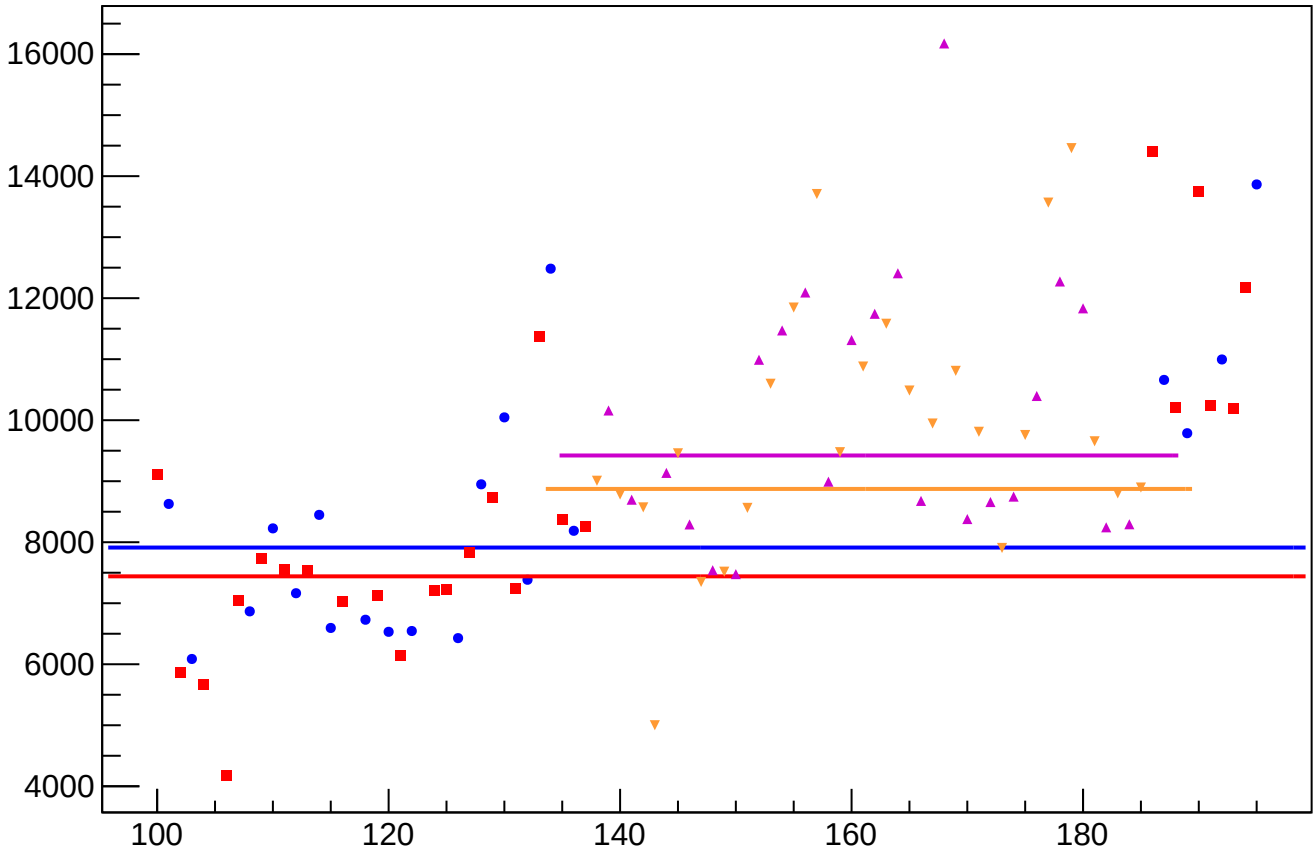
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -2049.591+/-1734.234 χ^2/NDF: 48.0/44

In: -965.164+/-1700.771 χ^2/NDF:32.4/42

Out: -1313.812+/-1553.675 χ^2/NDF:58.4/49

All: -1155.214+/-1147.099 χ^2/NDF: 90.8/92



Right In: 7912.751+/-1.842 χ^2/NDF: 1005859.7/19

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7440.732+/-1.643 χ^2/NDF: 1686453.5/24

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

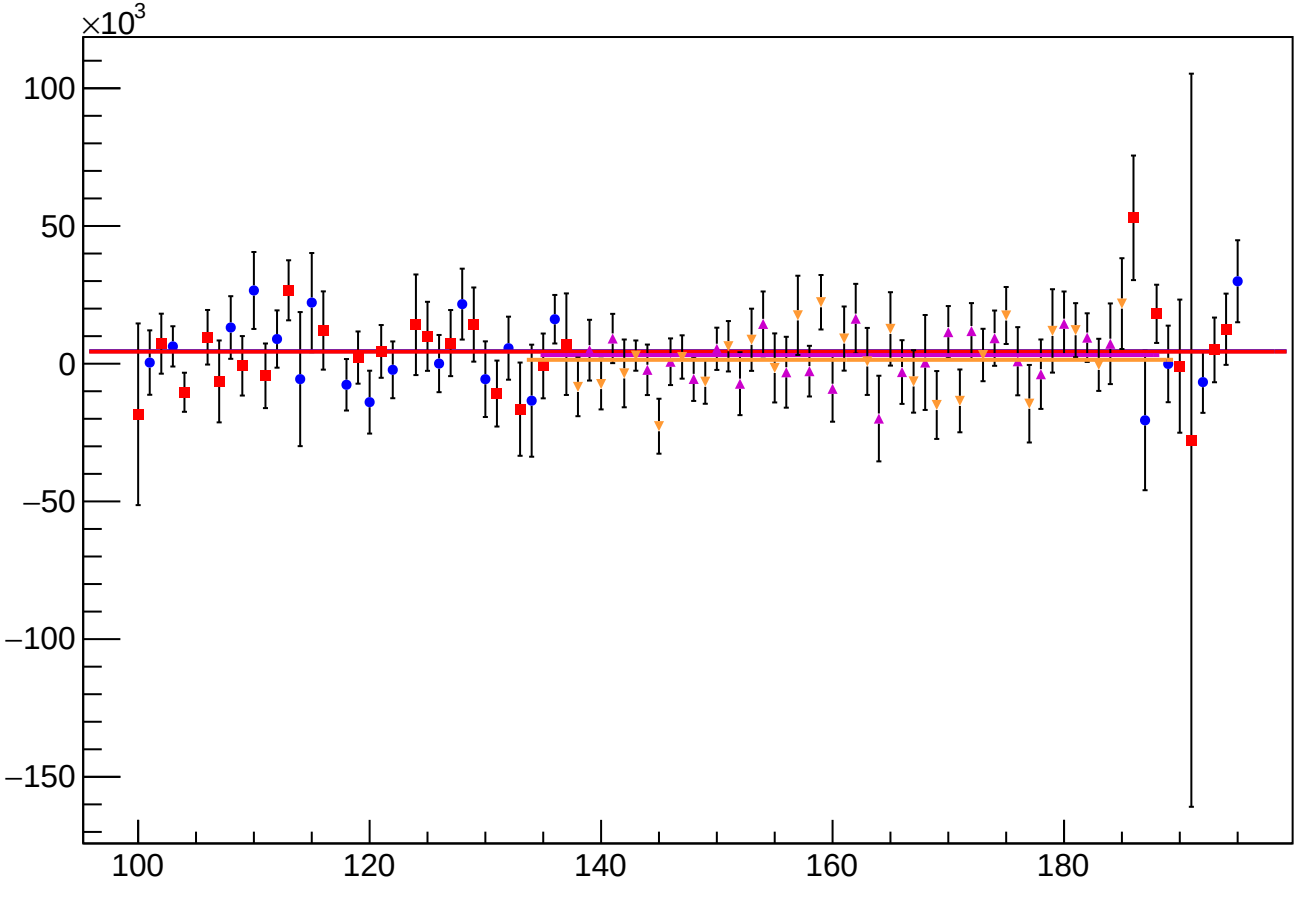
Right: 7649.883+/-1.226 χ^2/NDF: 2728873.7/44

In: 8778.654+/-1.203 χ^2/NDF:2595714.8/42

Out: 8233.147+/-1.099 χ^2/NDF:4310193.2/49

All: 8481.294+/-0.811 χ^2/NDF: 7018063.2/92

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4531.967+/-2633.193 χ^2/NDF: 19.3/19

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4385.440+/-2472.832 χ^2/NDF: 22.2/24

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

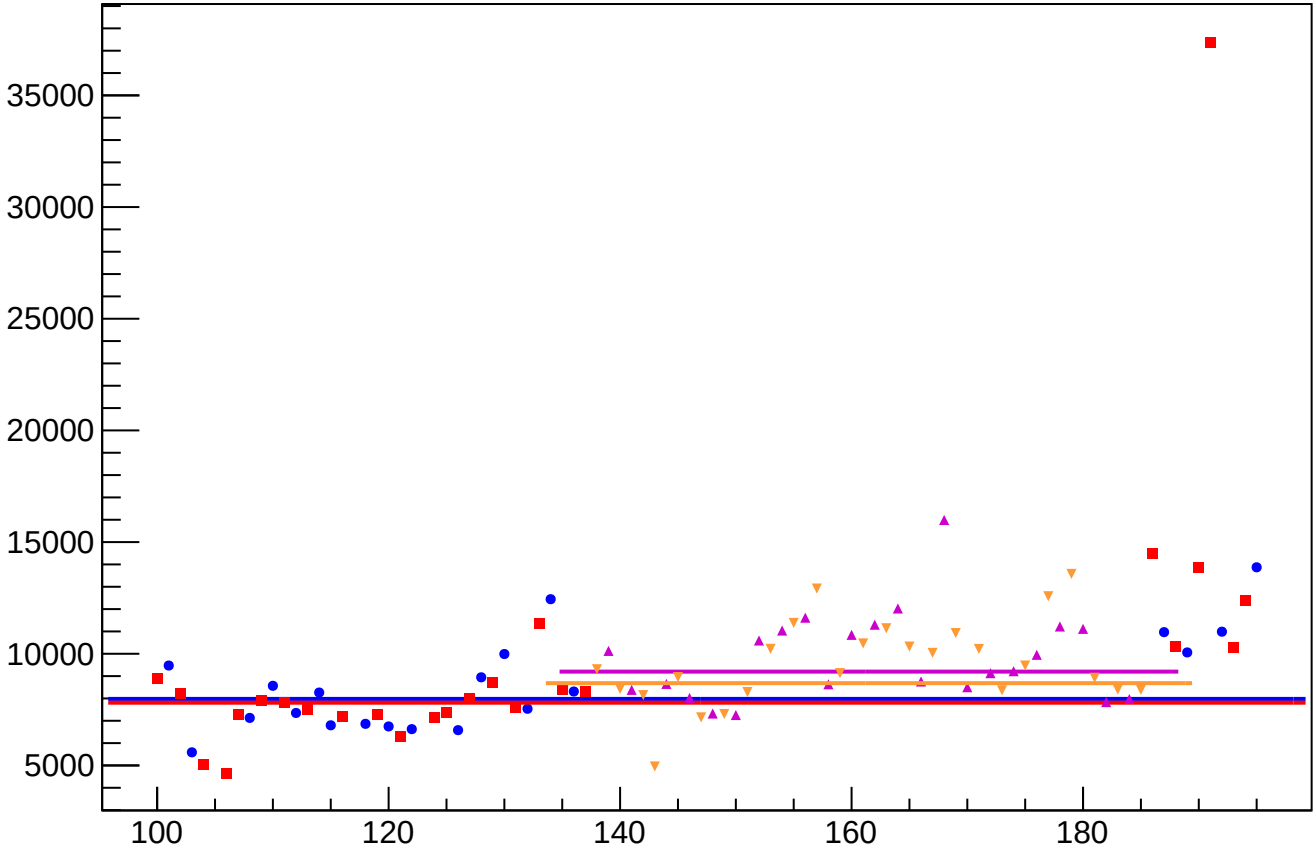
Right: 4454.106+/-1802.583 χ^2/NDF: 41.6/44

In: 3708.550+/-1683.521 χ^2/NDF:32.5/42

Out: 2613.875+/-1573.586 χ^2/NDF:50.5/49

All: 3124.307+/-1149.595 χ^2/NDF: 83.2/92

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7979.309+/-1.862 χ^2/NDF: 1087596.7/19

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7809.325+/-1.748 χ^2/NDF: 1540102.9/24

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

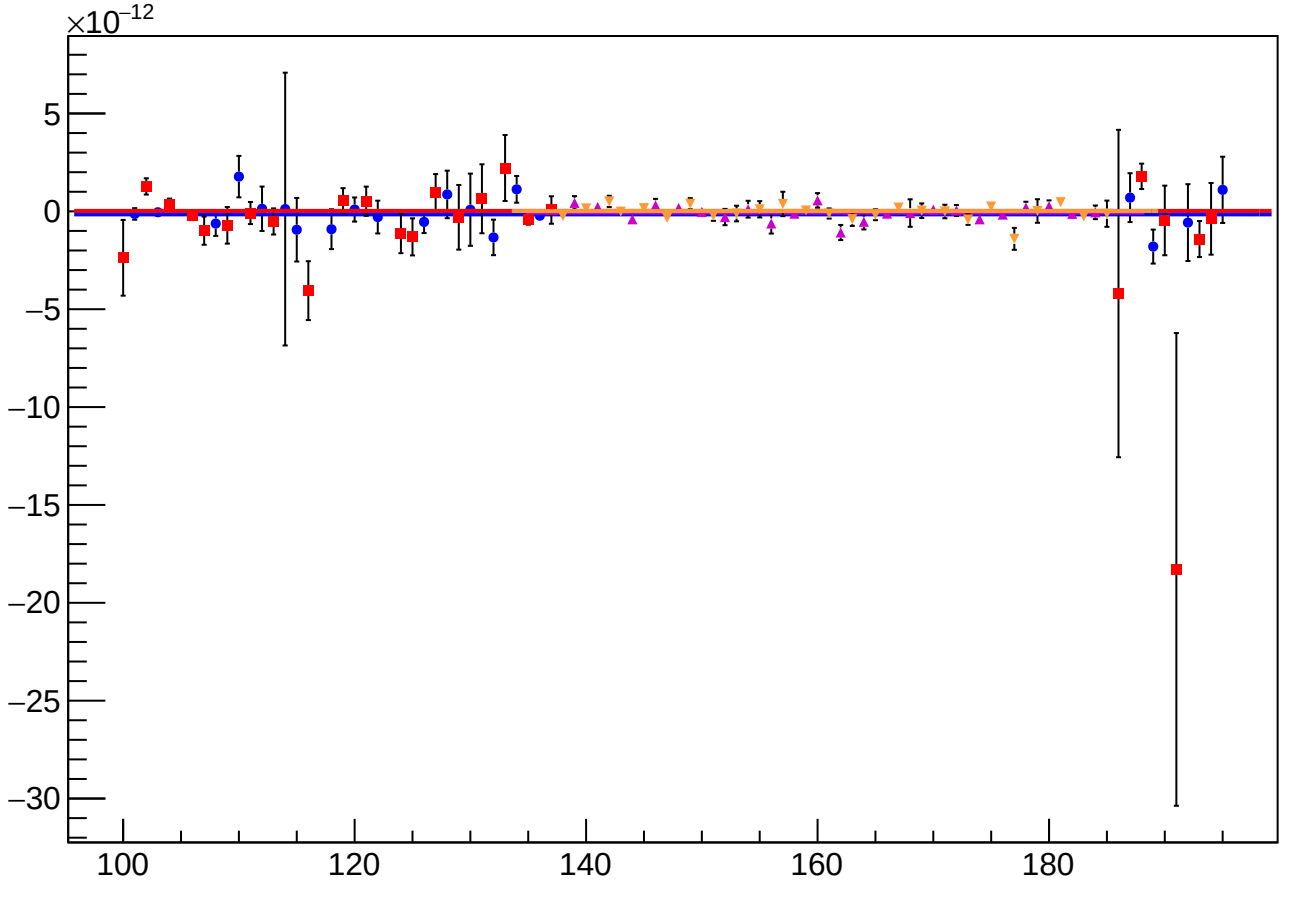
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 7888.979+/-1.275 χ^2/NDF: 2632128.7/44

In: 8701.493+/-1.190 χ^2/NDF:2471471.0/42

Out: 8330.105+/-1.113 χ^2/NDF:3740824.4/49

All: 8503.273+/-0.813 χ^2/NDF: 6264243.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/24

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

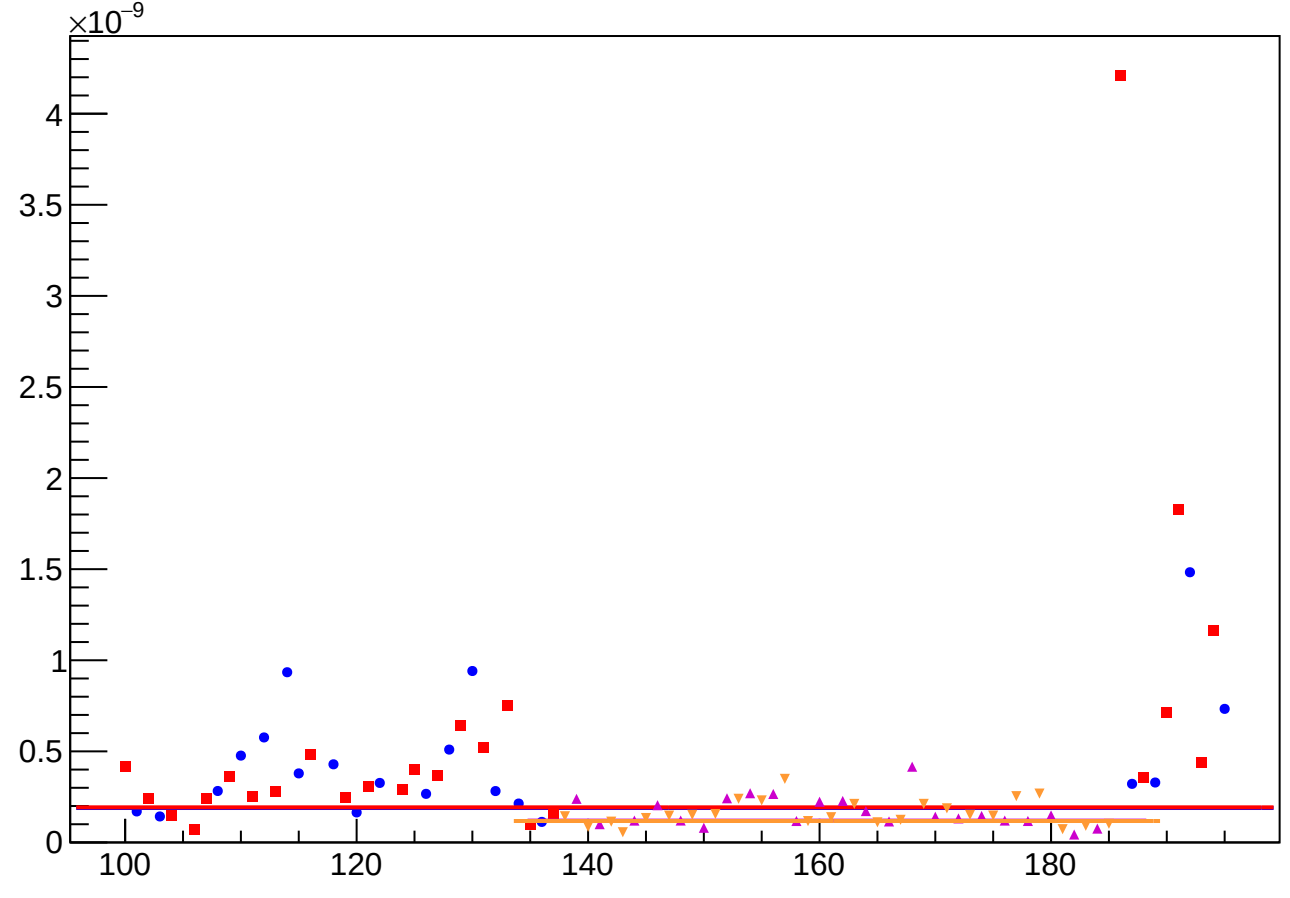
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 62.7/44

In: -0.000+/-0.000 χ^2/NDF:44.6/42

Out: 0.000+/-0.000 χ^2/NDF:74.2/49

All: -0.000+/-0.000 χ^2/NDF: 120.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 2699119.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3185257.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

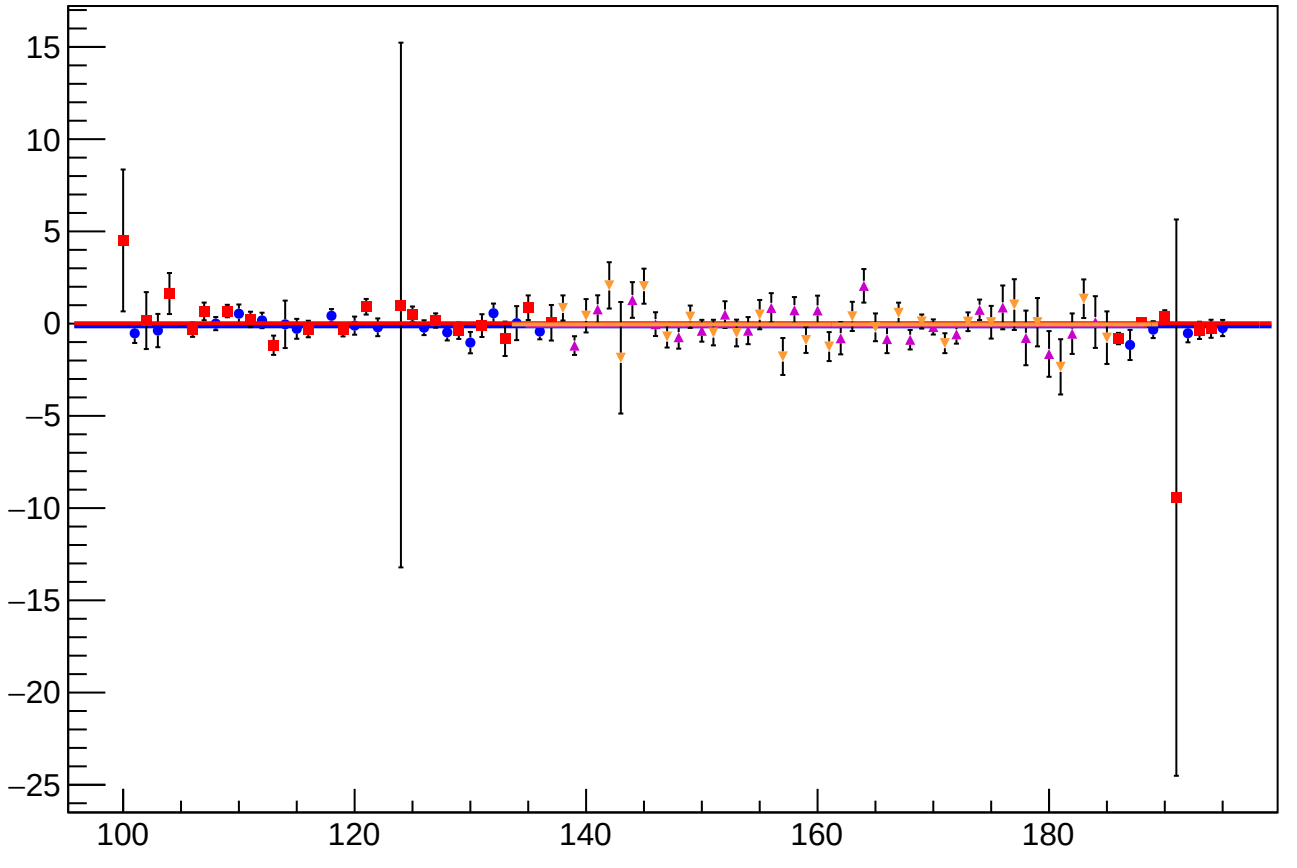
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 5885318.9/44

In: 0.000+/-0.000 χ^2/NDF:5938663.6/42

Out: 0.000+/-0.000 χ^2/NDF:6197709.2/49

All: 0.000+/-0.000 χ^2/NDF: 12139645.3/92



Right In: -0.145+/-0.110 χ^2/NDF: 13.4/19

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

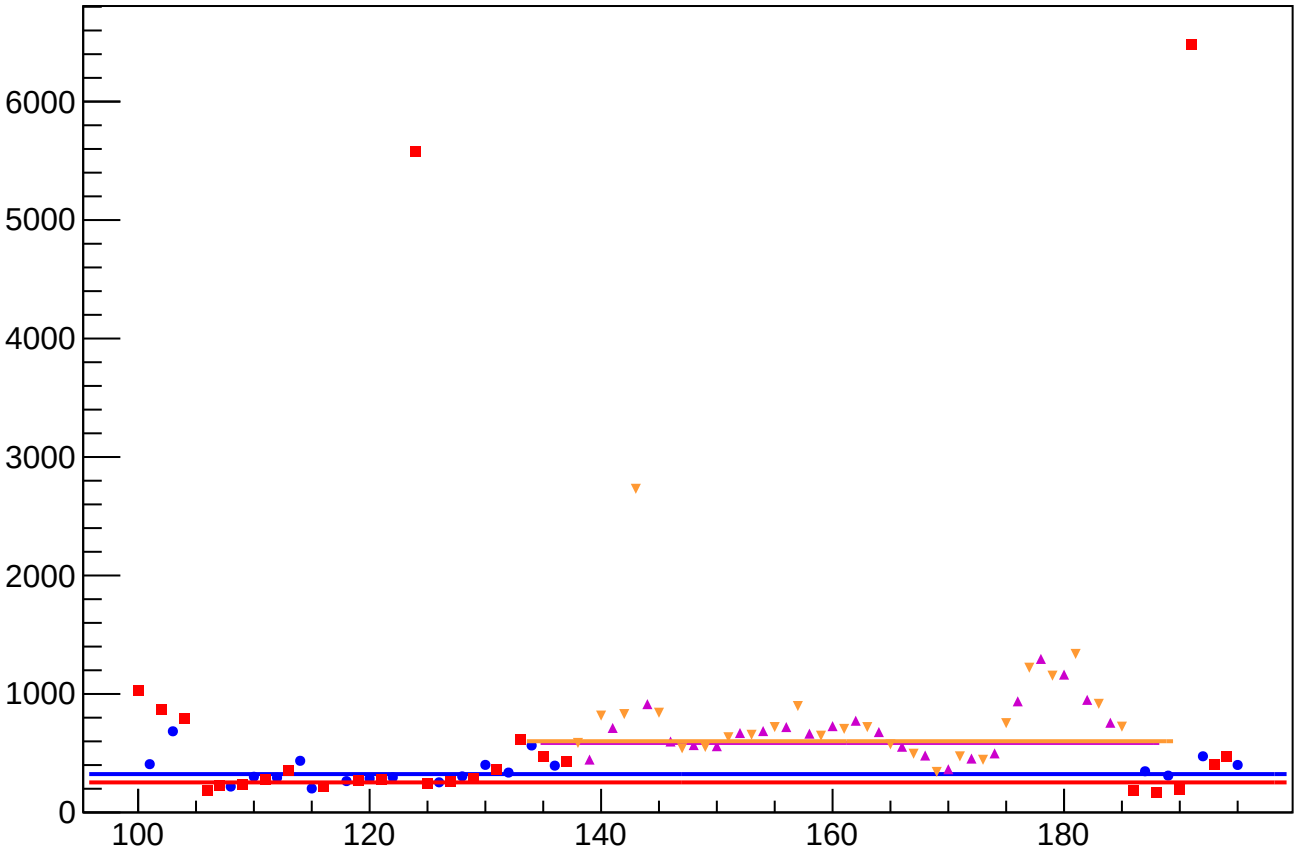
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.043+/-0.068 χ^2/NDF: 50.7/44

In: -0.139+/-0.088 χ^2/NDF:42.4/42

Out: 0.005+/-0.075 χ^2/NDF:66.2/49

All: -0.056+/-0.057 χ^2/NDF: 110.1/92



Right In: 323.806+/-0.078 χ^2/NDF: 1294111.5/19

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 253.629+/-0.062 χ^2/NDF: 3563438.6/24

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

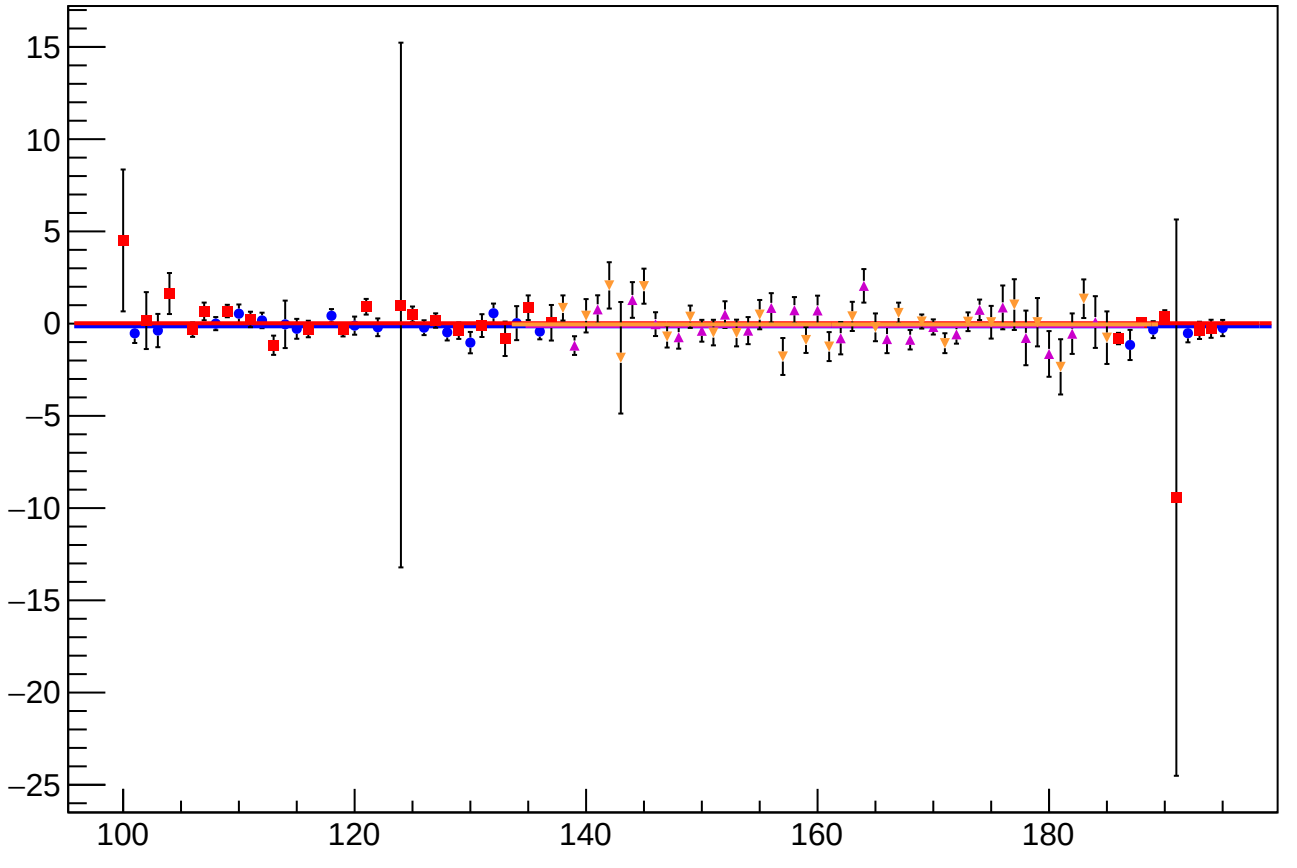
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 280.825+/-0.048 χ^2/NDF: 5357559.9/44

In: 419.535+/-0.062 χ^2/NDF:8402365.5/42

Out: 343.897+/-0.053 χ^2/NDF:16244000.1/49

All: 375.977+/-0.040 χ^2/NDF: 25505070.2/92



Right In: -0.145+/-0.110 χ^2/NDF: 13.4/19

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

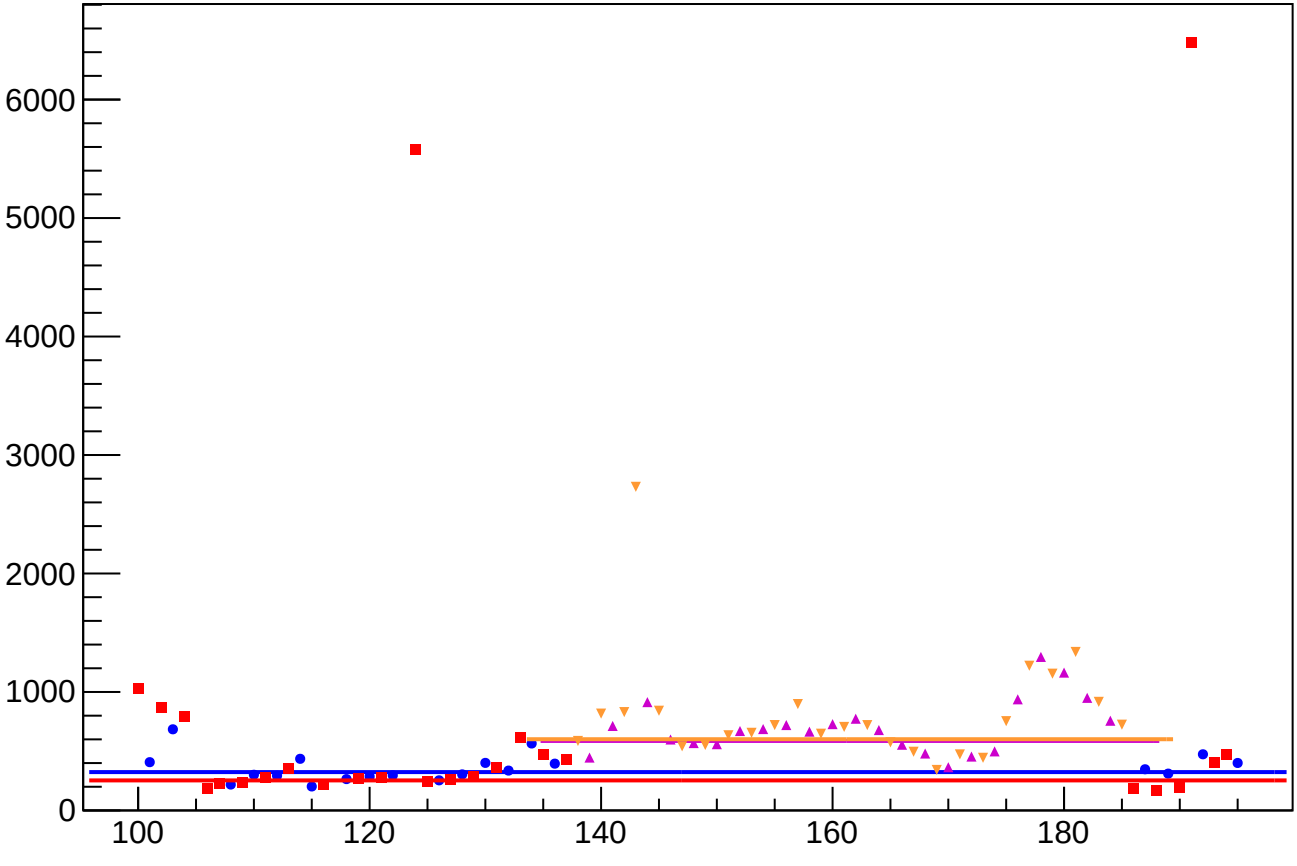
Right: -0.043+/-0.068 χ^2/NDF: 50.7/44

In: -0.139+/-0.088 χ^2/NDF:42.4/42

Out: 0.005+/-0.075 χ^2/NDF:66.2/49

All: -0.056+/-0.057 χ^2/NDF: 110.1/92

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 323.806+/-0.078 χ^2/NDF: 1294111.5/19

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 253.629+/-0.062 χ^2/NDF: 3563438.6/24

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

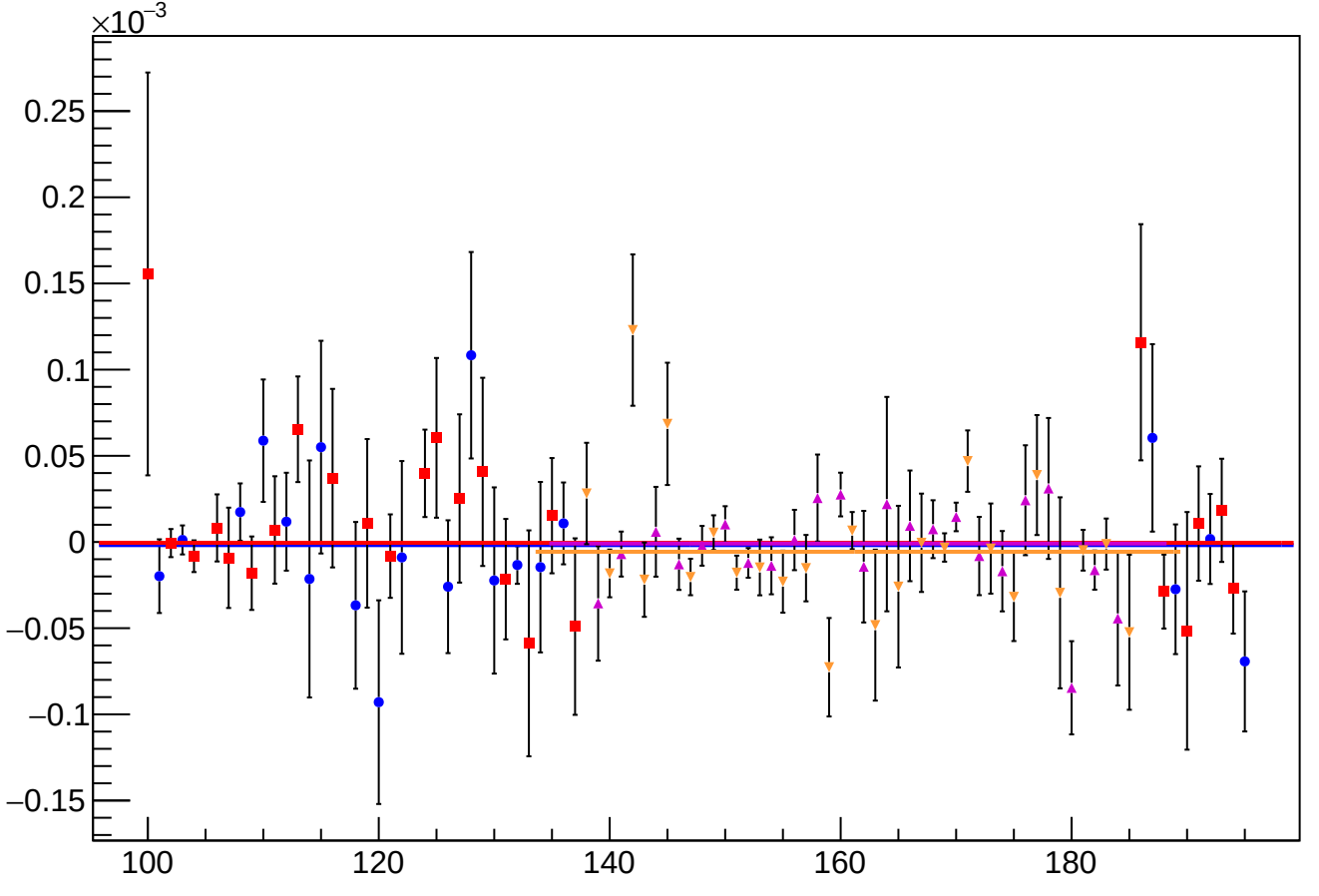
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 280.825+/-0.048 χ^2/NDF: 5357559.9/44

In: 419.535+/-0.062 χ^2/NDF:8402365.5/42

Out: 343.897+/-0.053 χ^2/NDF:16244000.1/49

All: 375.977+/-0.040 χ^2/NDF: 25505070.2/92



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/24

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

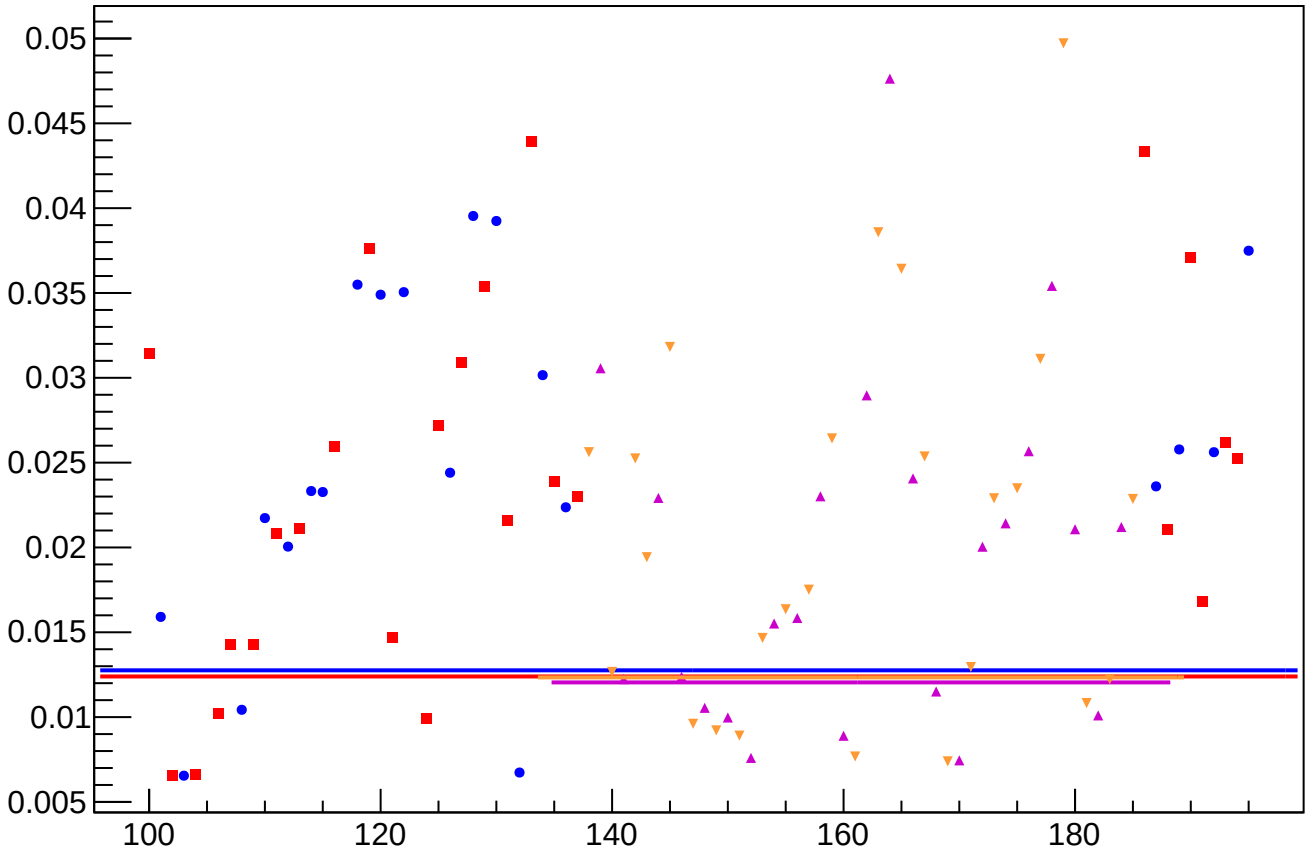
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 42.0/44

In: -0.000+/-0.000 χ^2/NDF:49.3/42

Out: -0.000+/-0.000 χ^2/NDF:66.4/49

All: -0.000+/-0.000 χ^2/NDF: 116.2/92



Right In: 0.013+/-0.000 χ^2/NDF: 6368760.6/19

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 6619826.5/24

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

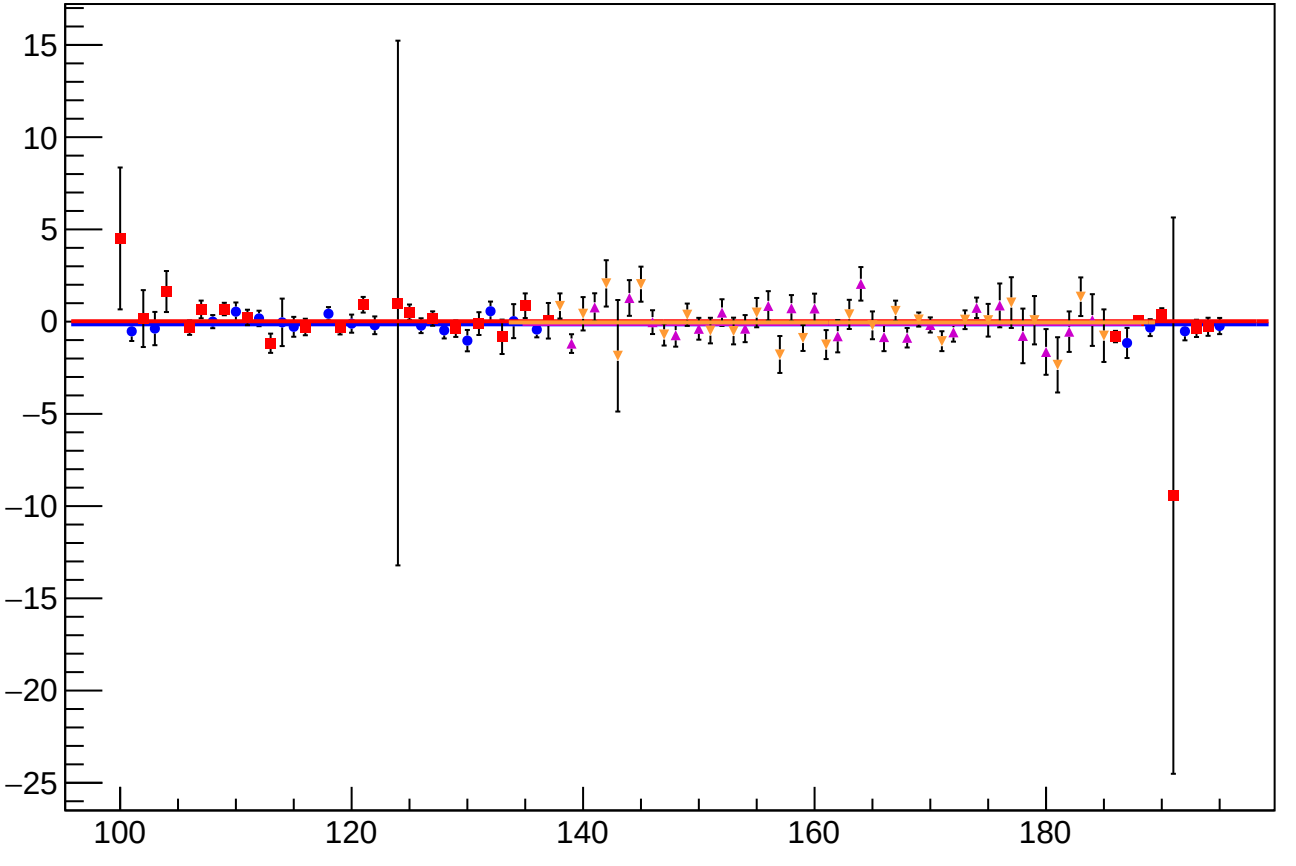
Right: 0.013+/-0.000 χ^2/NDF: 12994200.2/44

In: 0.012+/-0.000 χ^2/NDF:12775716.7/42

Out: 0.012+/-0.000 χ^2/NDF:14459149.8/49

All: 0.012+/-0.000 χ^2/NDF: 27236387.7/92

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.145+/-0.110 χ^2/NDF: 13.4/19

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

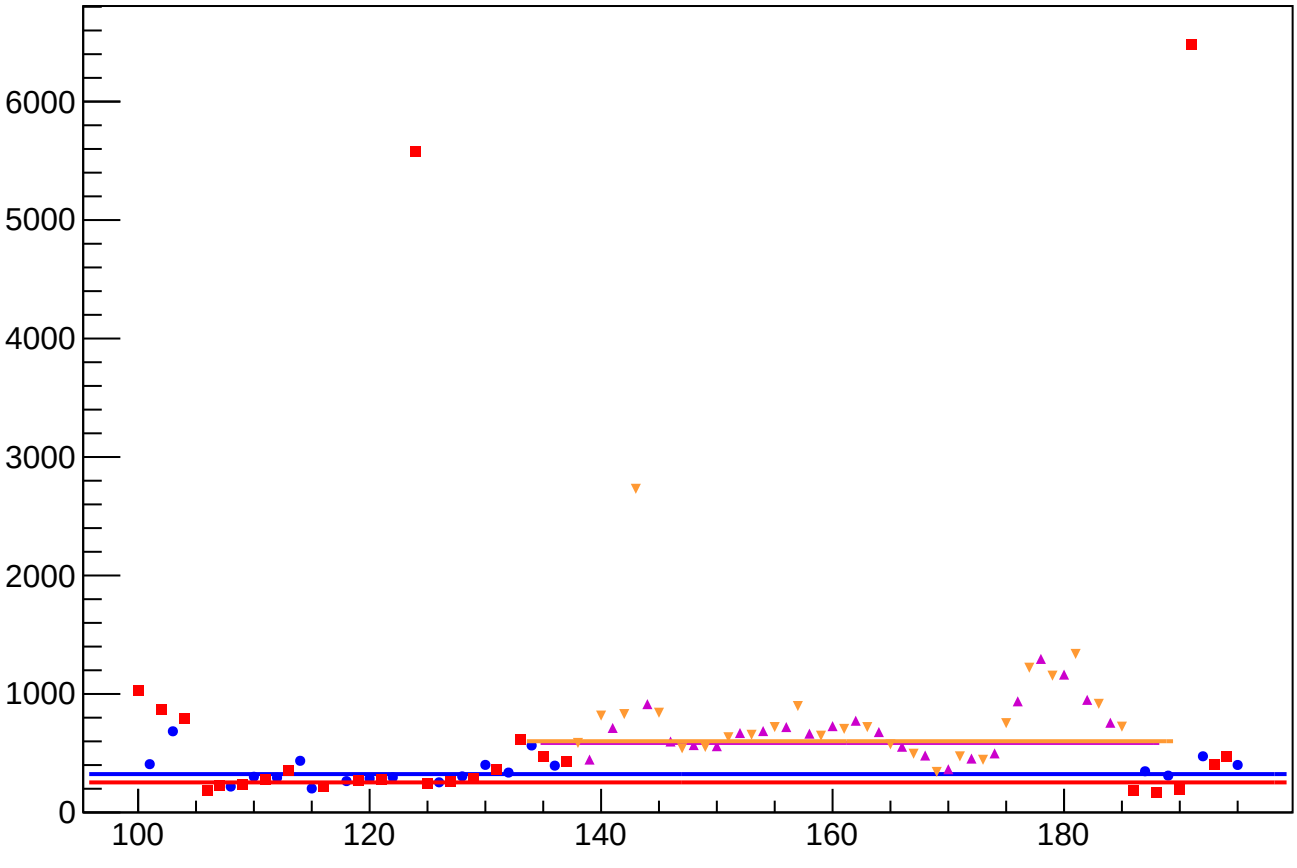
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.043+/-0.068 χ^2/NDF: 50.7/44

In: -0.139+/-0.088 χ^2/NDF:42.4/42

Out: 0.005+/-0.075 χ^2/NDF:66.2/49

All: -0.056+/-0.057 χ^2/NDF: 110.1/92



Right In: 323.804+/-0.078 χ^2/NDF: 1294073.6/19

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 253.623+/-0.062 χ^2/NDF: 3563632.3/24

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

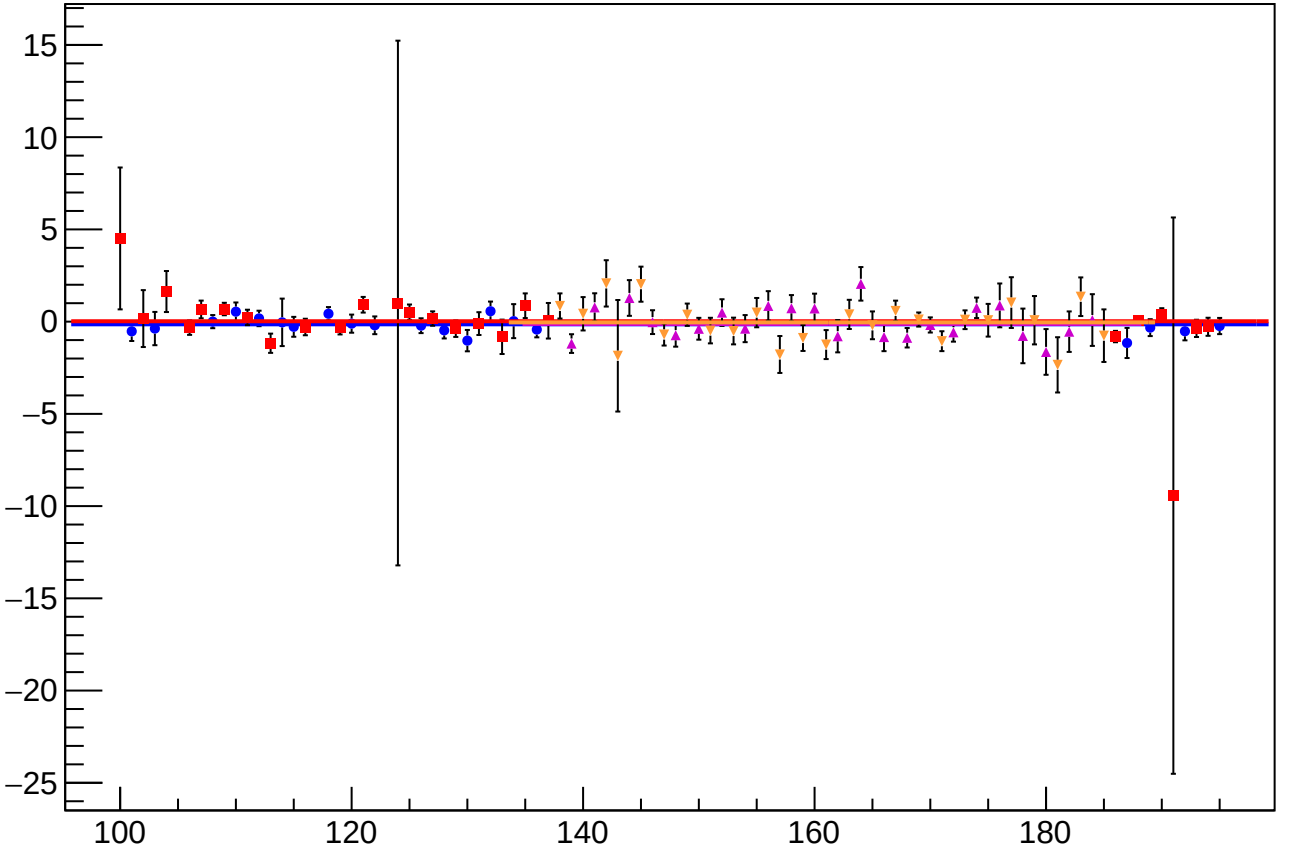
Right: 280.820+/-0.048 χ^2/NDF: 5357802.4/44

In: 419.533+/-0.062 χ^2/NDF:8402573.7/42

Out: 343.889+/-0.053 χ^2/NDF:16244784.6/49

All: 375.971+/-0.040 χ^2/NDF: 25506227.9/92

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.145+/-0.110 χ^2/NDF: 13.4/19

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

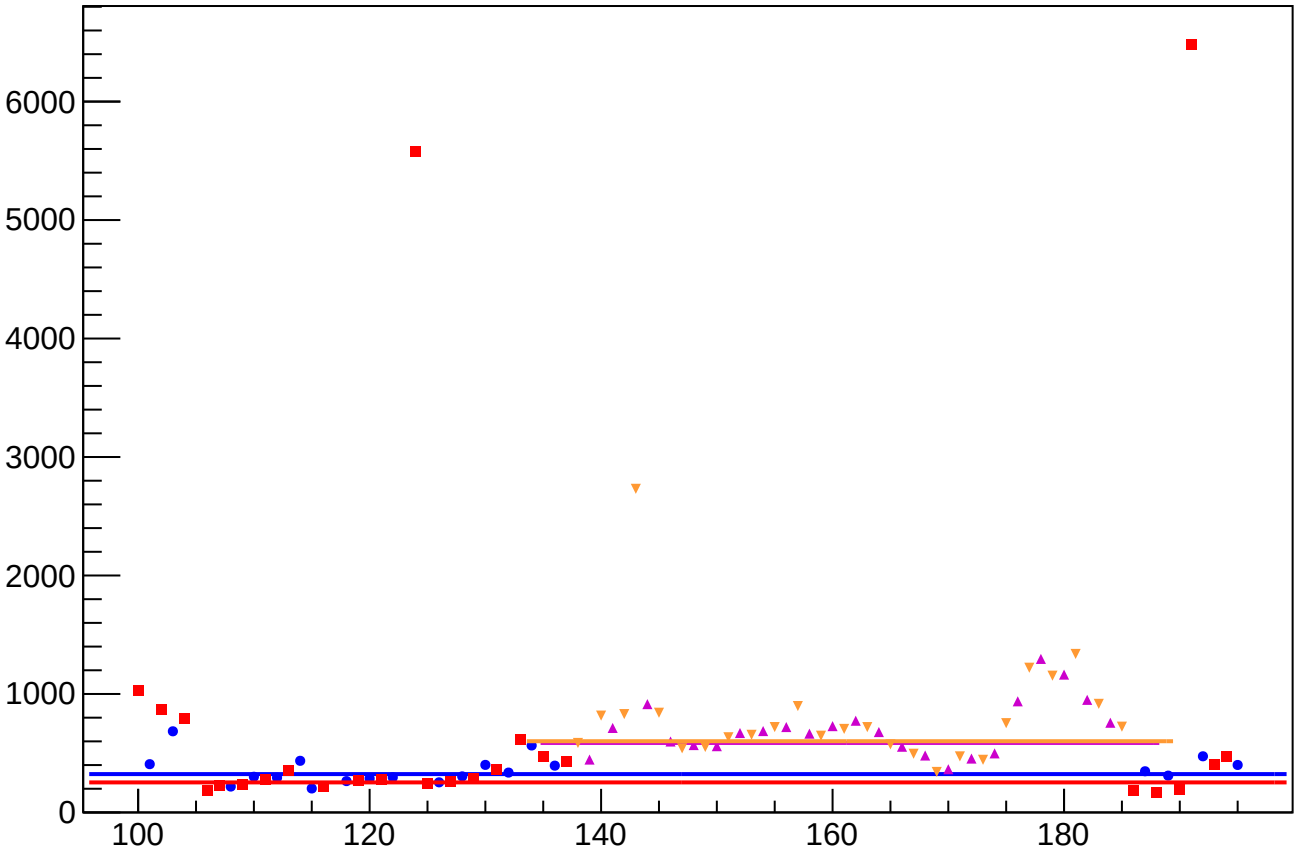
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.043+/-0.068 χ^2/NDF: 50.7/44

In: -0.139+/-0.088 χ^2/NDF:42.4/42

Out: 0.005+/-0.075 χ^2/NDF:66.2/49

All: -0.056+/-0.057 χ^2/NDF: 110.1/92



Right In: 323.804+/-0.078 χ^2/NDF: 1294073.6/19

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 253.623+/-0.062 χ^2/NDF: 3563632.3/24

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

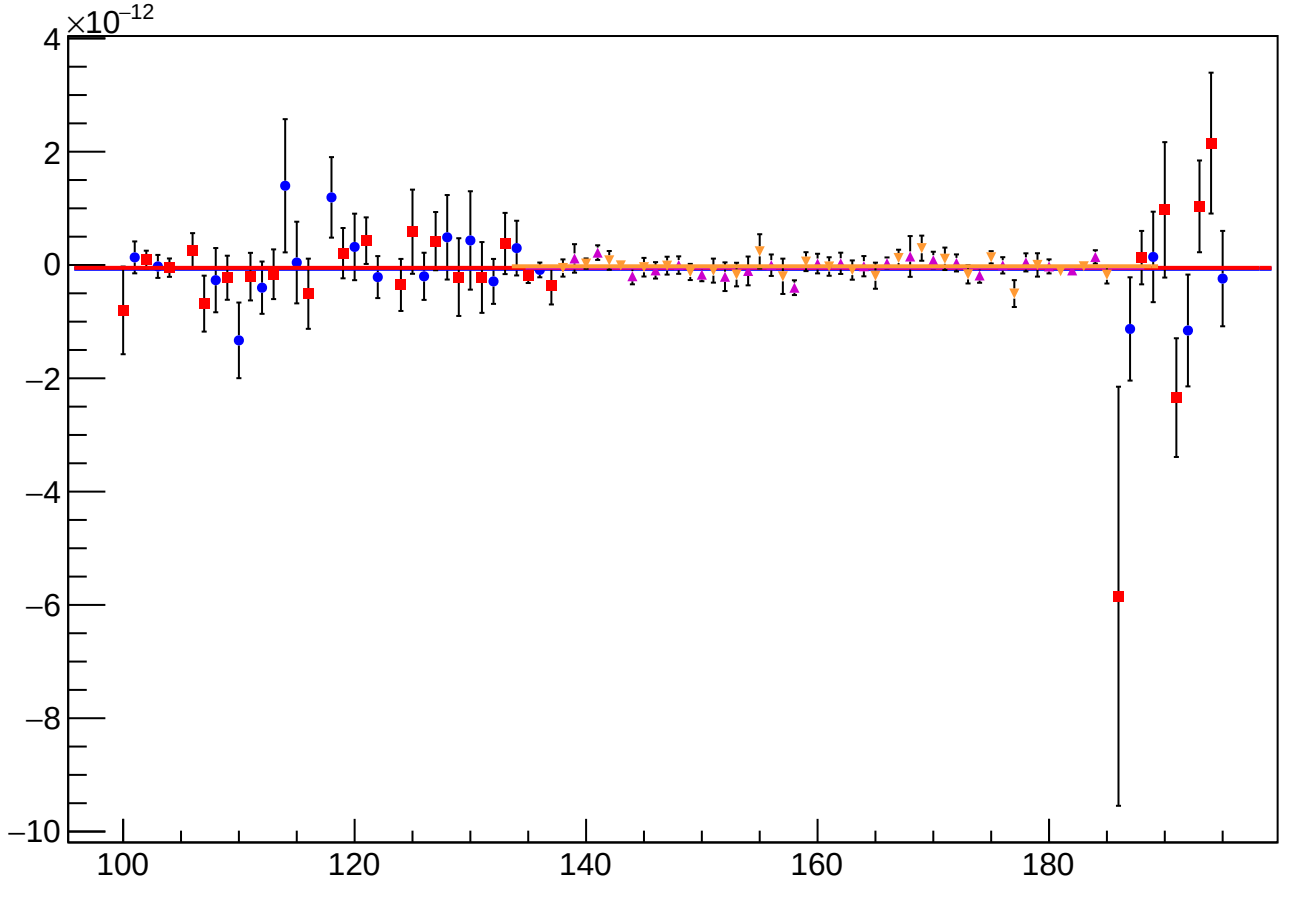
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 280.820+/-0.048 χ^2/NDF: 5357802.4/44

In: 419.533+/-0.062 χ^2/NDF:8402573.7/42

Out: 343.889+/-0.053 χ^2/NDF:16244784.6/49

All: 375.971+/-0.040 χ^2/NDF: 25506227.9/92



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/24

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

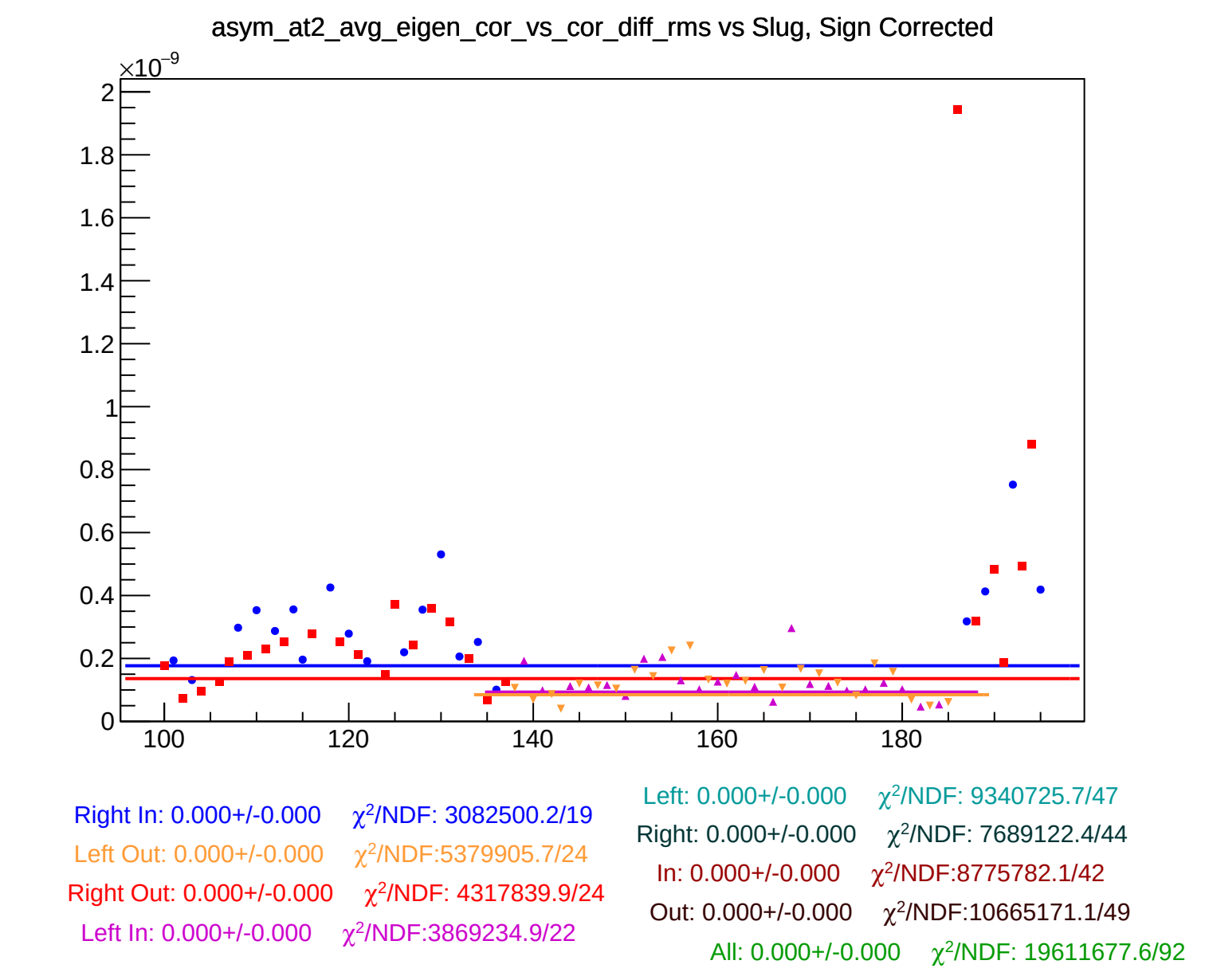
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

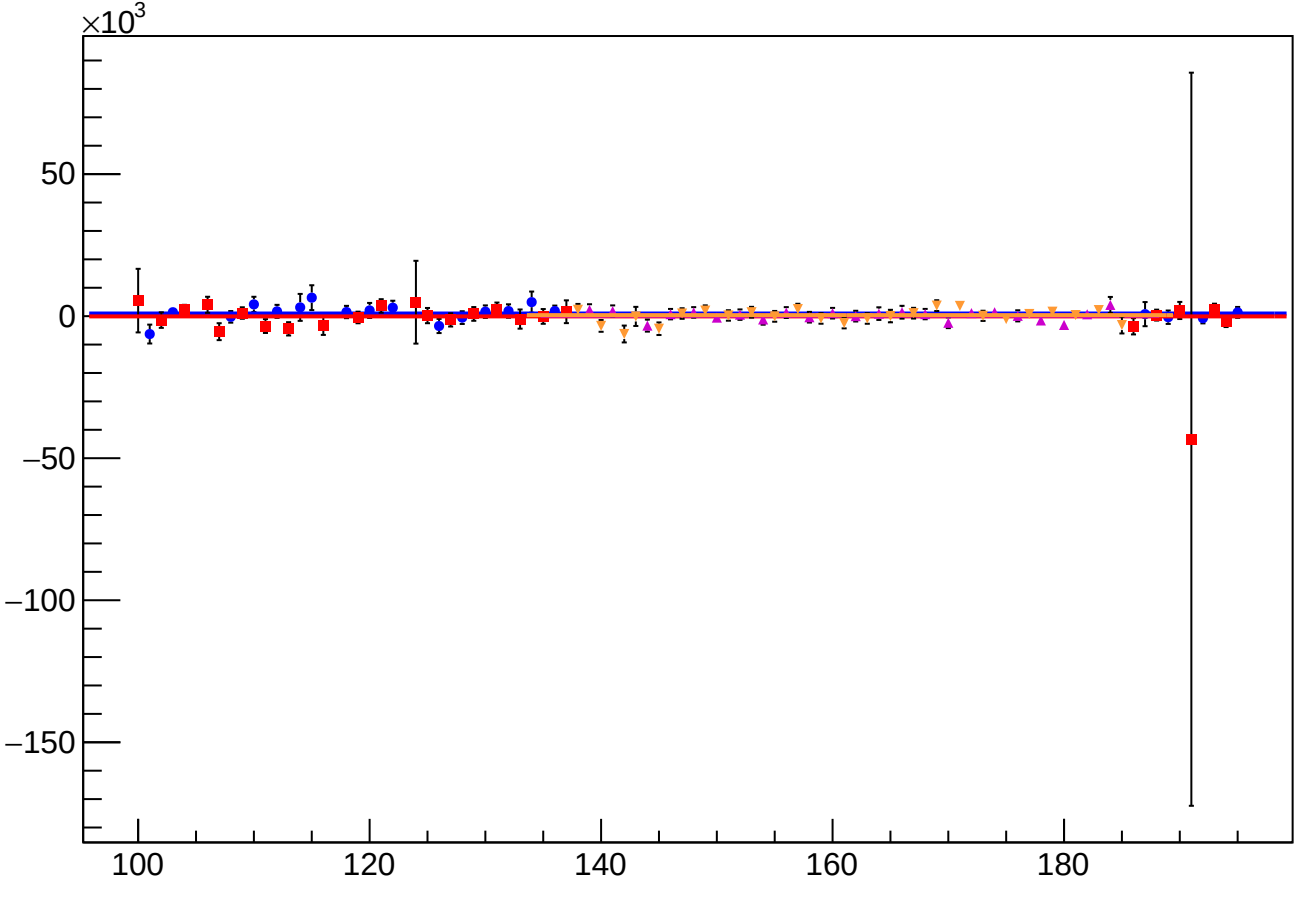
Right: -0.000+/-0.000 χ^2/NDF: 39.2/44

In: -0.000+/-0.000 χ^2/NDF:36.7/42

Out: -0.000+/-0.000 χ^2/NDF:41.0/49

All: -0.000+/-0.000 χ^2/NDF: 78.1/92


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
Right In: 0.000+/-0.000 χ²/NDF: 3082500.2/19
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4317839.9/24
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: 7689122.4/44
In: 0.000+/-0.000 χ²/NDF:8775782.1/42
Out: 0.000+/-0.000 χ²/NDF:10665171.1/49
All: 0.000+/-0.000 χ²/NDF: 19611677.6/92



Right In: 934.242+/-534.620 χ^2/NDF: 15.7/19

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -81.032+/-514.712 χ^2/NDF: 22.8/24

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

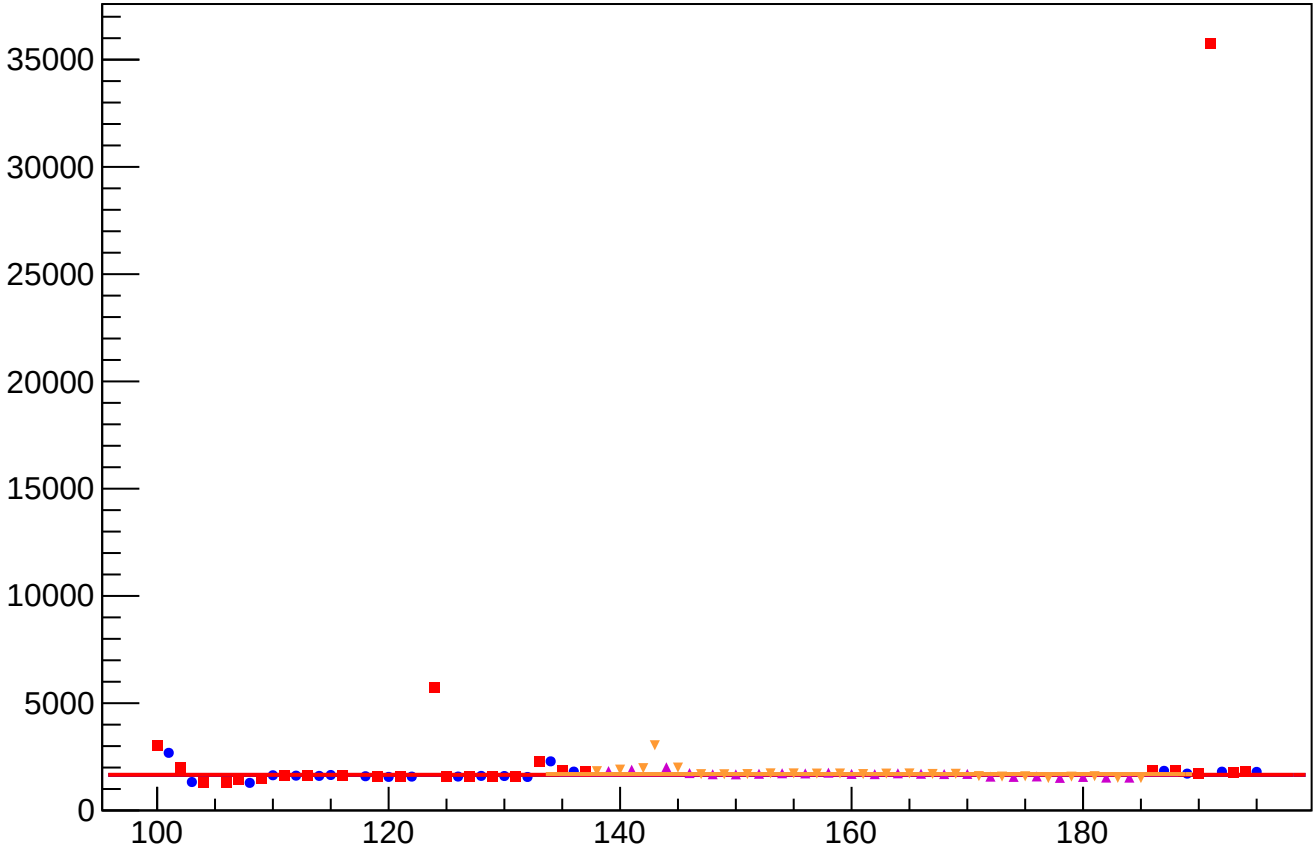
Right: 407.350+/-370.795 χ^2/NDF: 40.4/44

In: 430.812+/-317.307 χ^2/NDF:33.1/42

Out: 201.174+/-309.898 χ^2/NDF:52.9/49

All: 313.281+/-221.704 χ^2/NDF: 86.3/92

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1653.438+/-0.378 χ^2/NDF: 444236.8/19

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.1/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

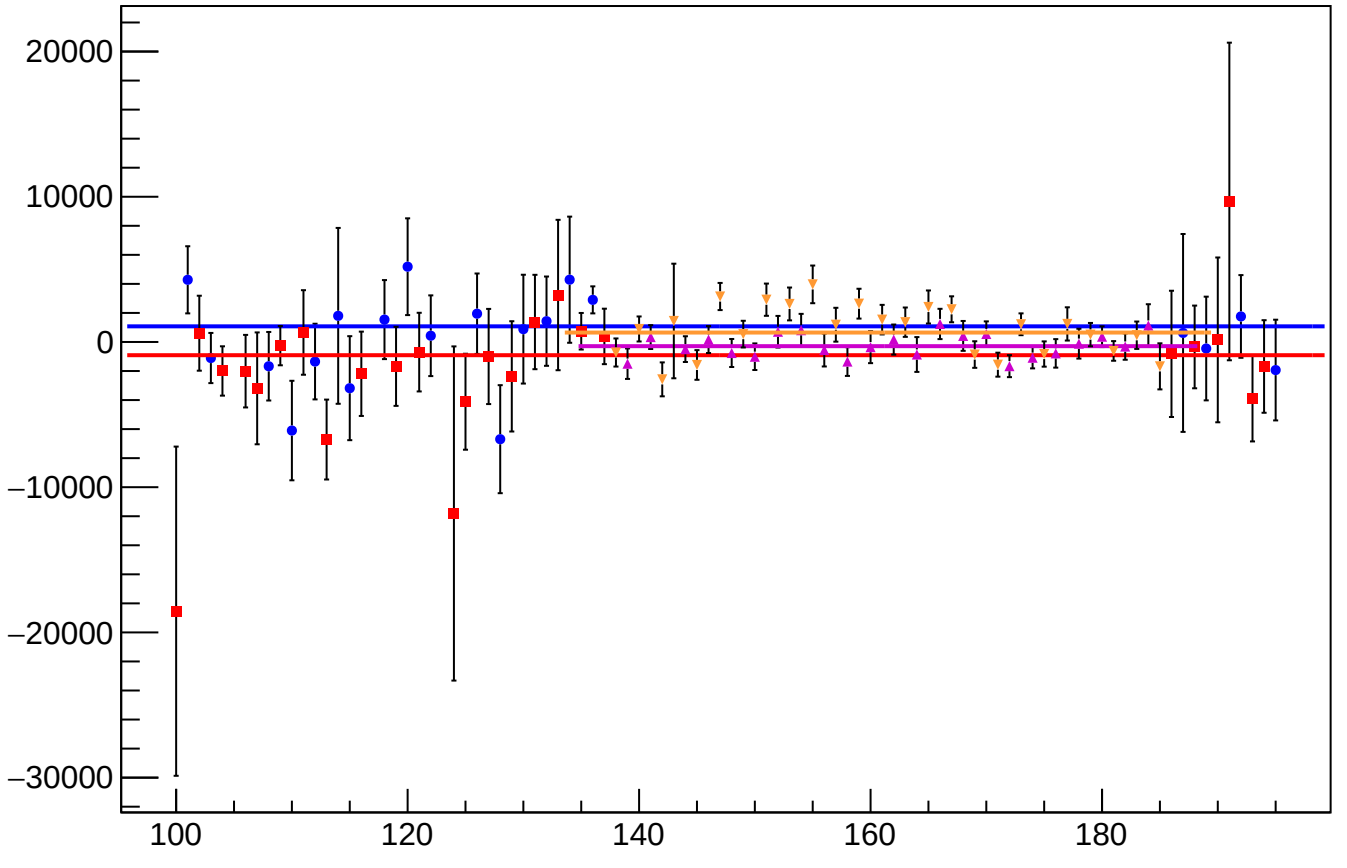
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1657.872+/-0.262 χ^2/NDF: 1090416.1/44

In: 1673.608+/-0.224 χ^2/NDF:613987.5/42

Out: 1684.622+/-0.219 χ^2/NDF:1147381.6/49

All: 1679.245+/-0.157 χ^2/NDF: 1762602.5/92



Right In: 1076.325+/-551.418 χ^2/NDF: 23.0/19

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -910.644+/-523.768 χ^2/NDF: 16.3/24

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

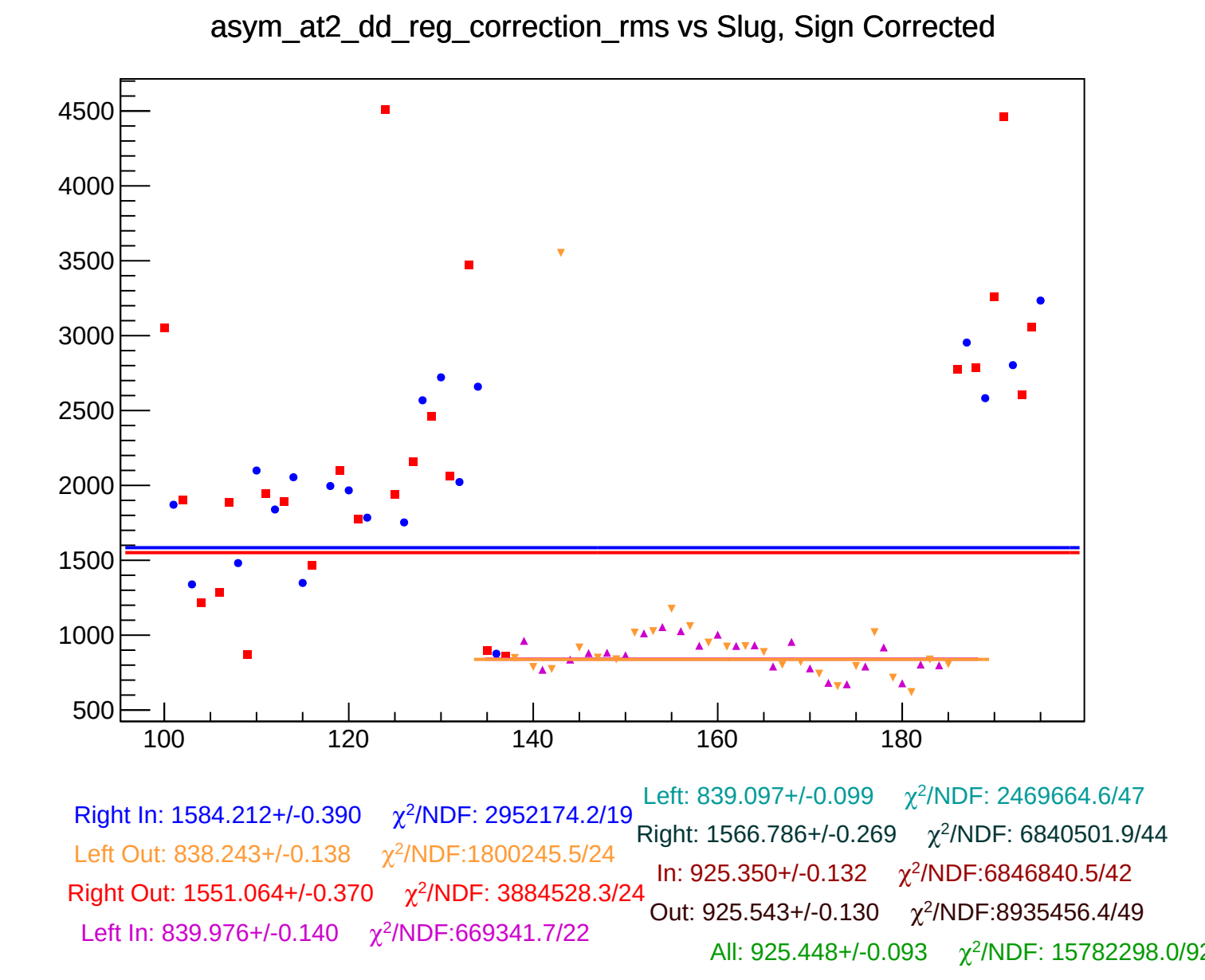
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 31.777+/-379.759 χ^2/NDF: 46.2/44

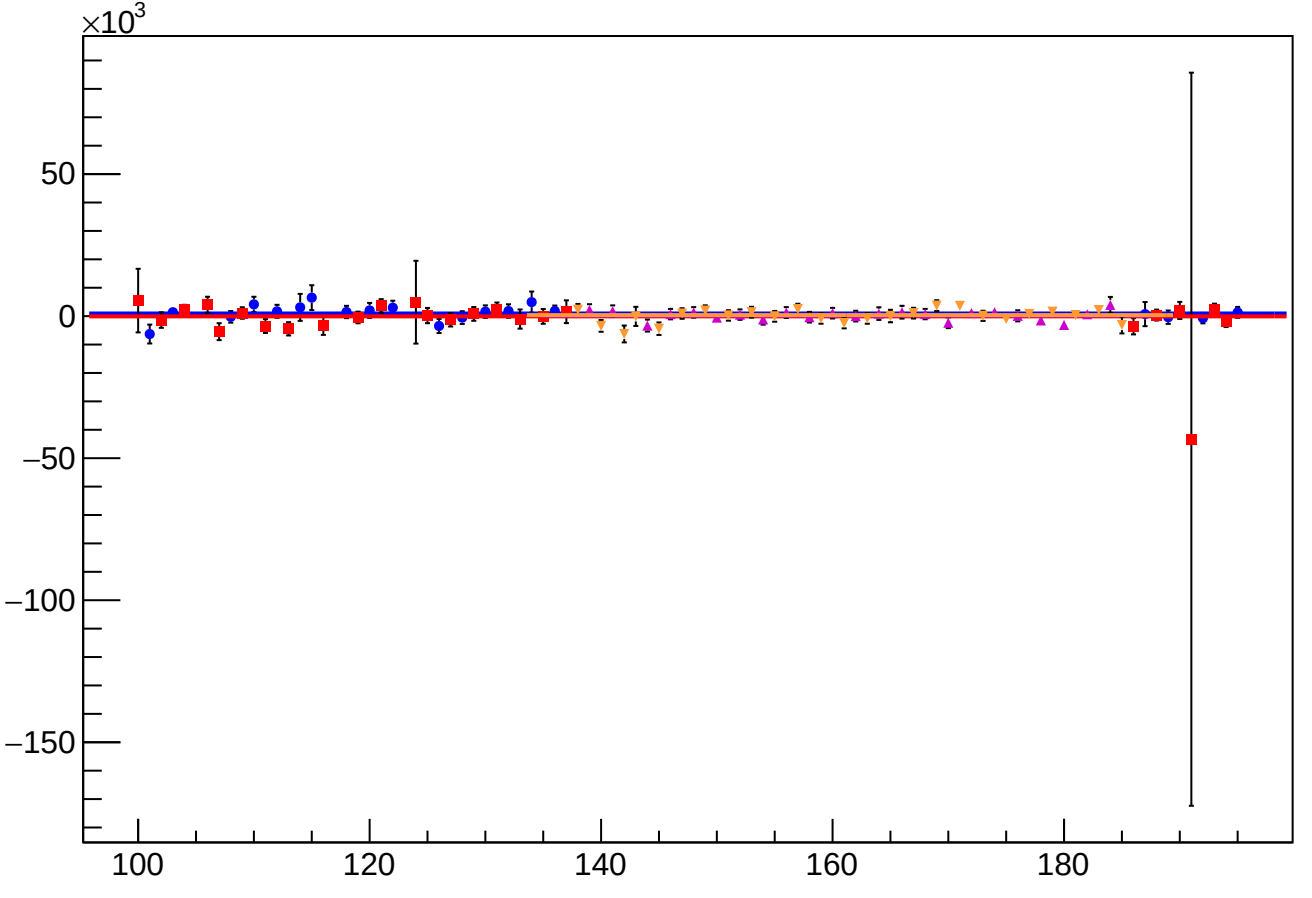
In: -132.038+/-186.762 χ^2/NDF:45.0/42

Out: 458.133+/-183.297 χ^2/NDF:89.6/49

All: 168.573+/-130.819 χ^2/NDF: 139.7/92


asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1584.212+/-0.390 χ²/NDF: 2952174.2/19
Left Out: 838.243+/-0.138 χ²/NDF:1800245.5/24
Right Out: 1551.064+/-0.370 χ²/NDF: 3884528.3/24
Left In: 839.976+/-0.140 χ²/NDF:669341.7/22
Left: 839.097+/-0.099 χ²/NDF: 2469664.6/47
Right: 1566.786+/-0.269 χ²/NDF: 6840501.9/44
In: 925.350+/-0.132 χ²/NDF:6846840.5/42
Out: 925.543+/-0.130 χ²/NDF:8935456.4/49
All: 925.448+/-0.093 χ²/NDF: 15782298.0/92

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 934.208+/-534.620 χ^2/NDF: 15.7/19

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -81.243+/-514.712 χ^2/NDF: 22.8/24

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

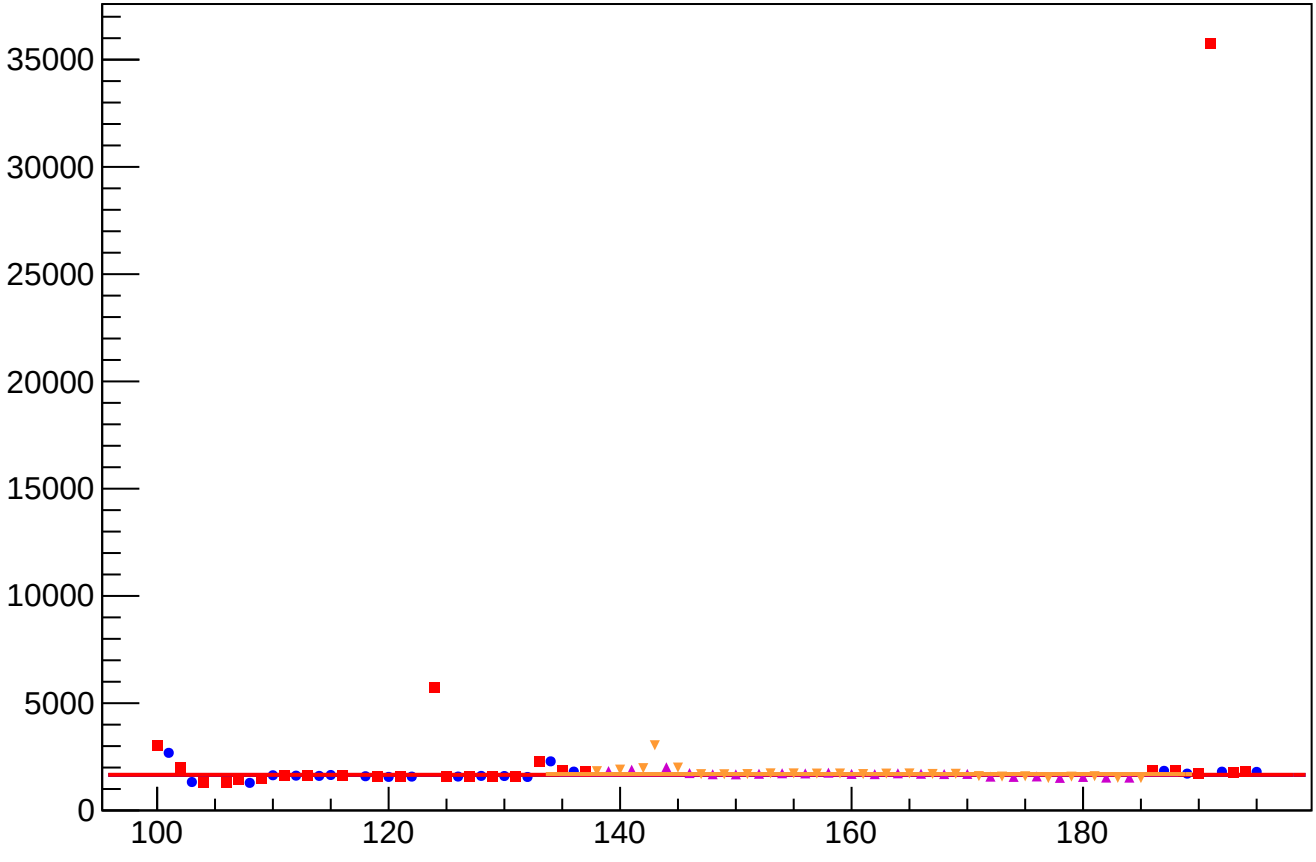
Right: 407.224+/-370.795 χ^2/NDF: 40.4/44

In: 430.740+/-317.307 χ^2/NDF:33.1/42

Out: 201.043+/-309.898 χ^2/NDF:52.9/49

All: 313.179+/-221.704 χ^2/NDF: 86.3/92

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1653.437+/-0.378 χ^2/NDF: 444237.1/19

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.2/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

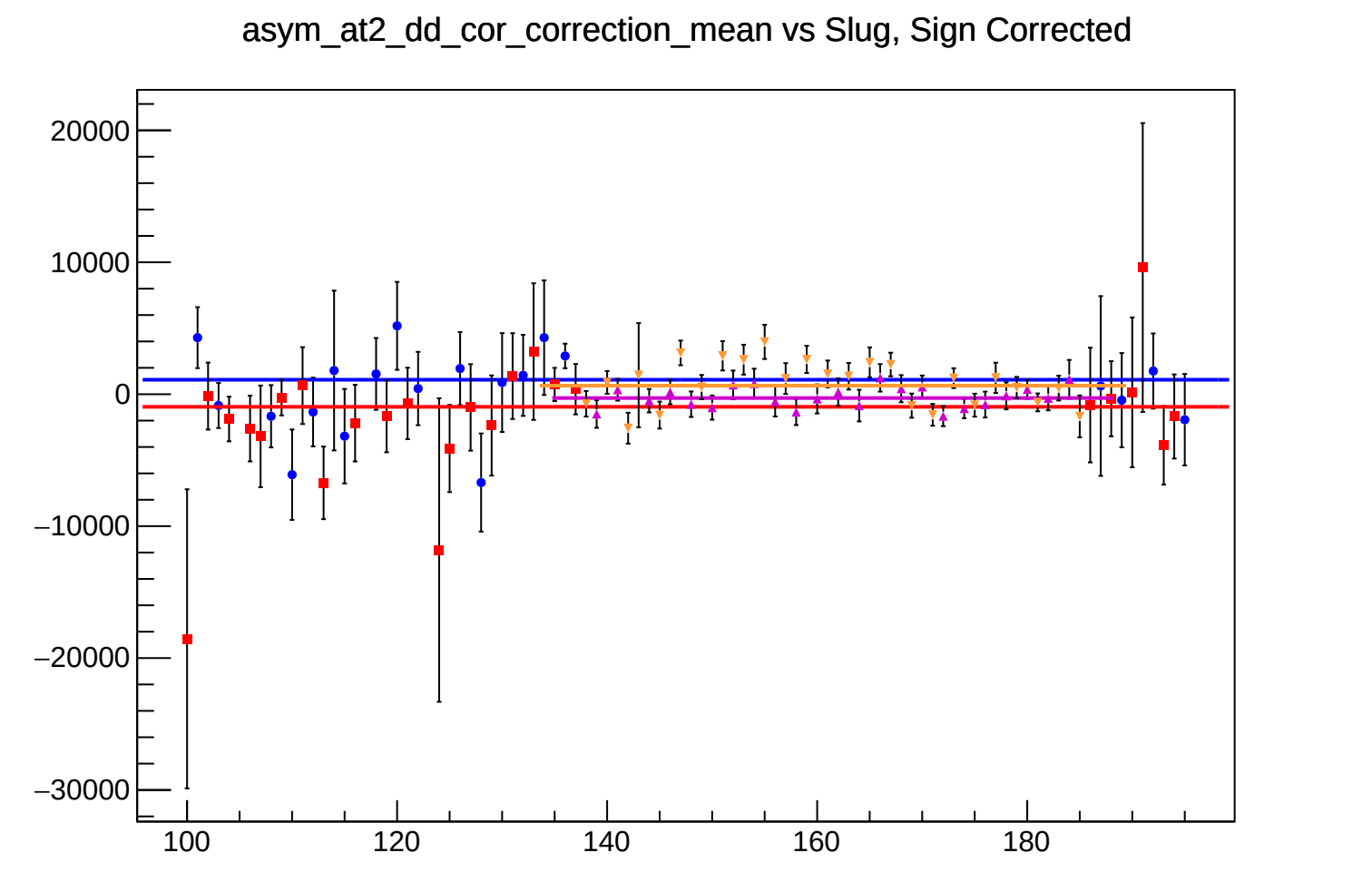
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1657.872+/-0.262 χ^2/NDF: 1090416.4/44

In: 1673.608+/-0.224 χ^2/NDF:613987.8/42

Out: 1684.622+/-0.219 χ^2/NDF:1147381.7/49

All: 1679.245+/-0.157 χ^2/NDF: 1762602.9/92



Right In: 1097.325+/-550.708 χ^2/NDF: 22.7/19

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -956.267+/-523.129 χ^2/NDF: 16.2/24

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

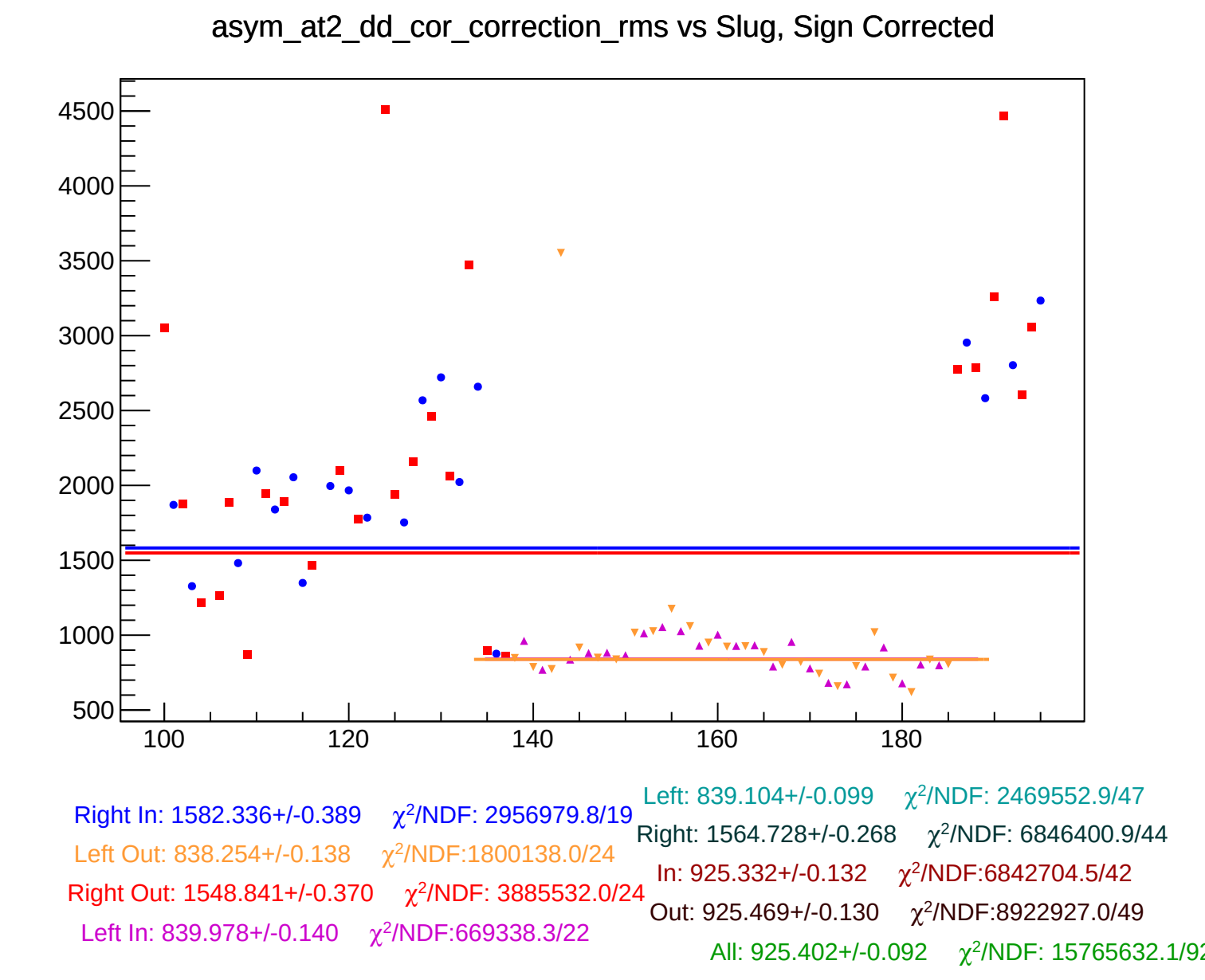
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

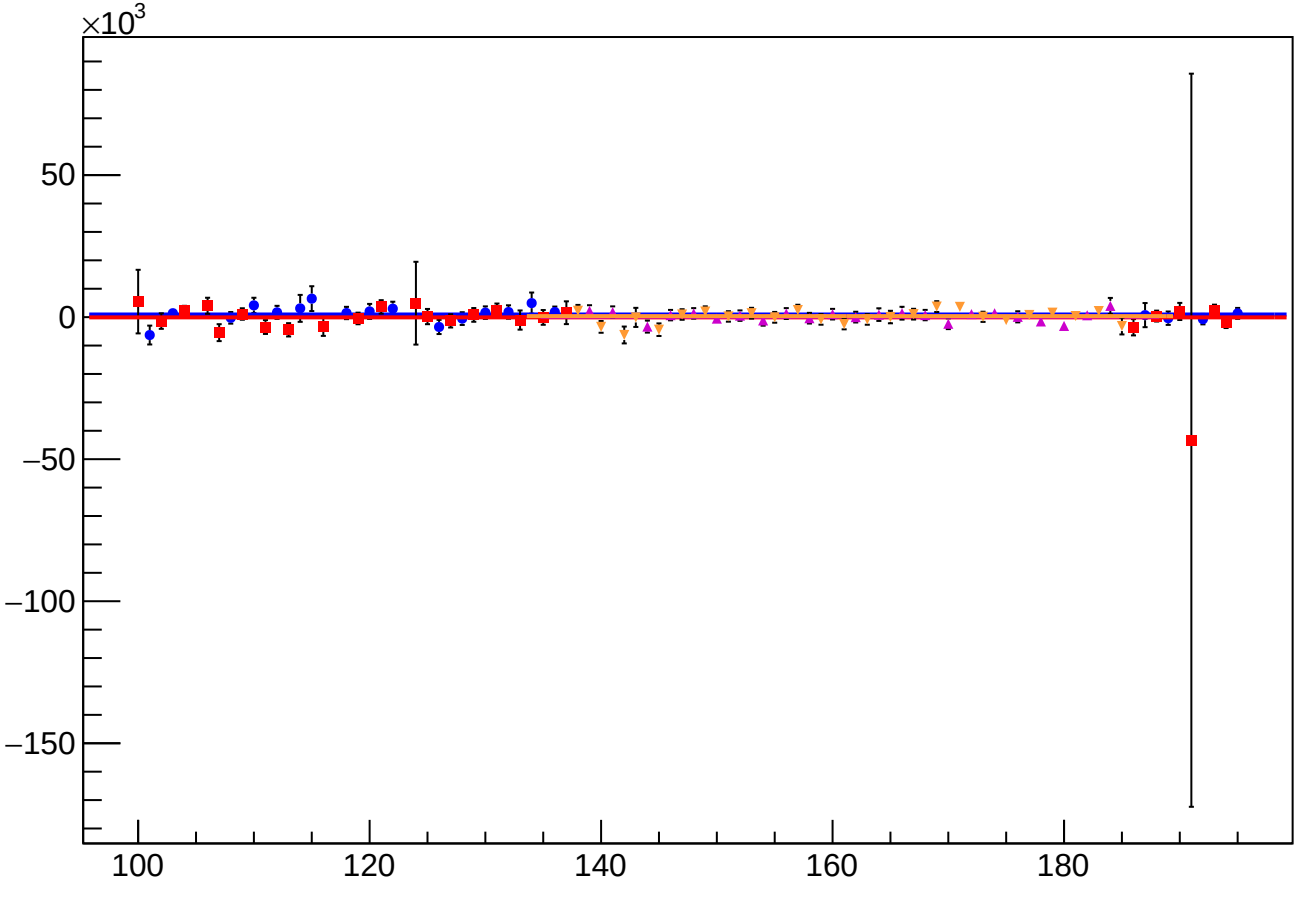
Right: 17.822+/-379.283 χ^2/NDF: 46.3/44

In: -129.253+/-186.735 χ^2/NDF:44.9/42

Out: 452.119+/-183.272 χ^2/NDF:90.0/49

All: 166.875+/-130.800 χ^2/NDF: 139.8/92


asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1582.336+/-0.389 χ²/NDF: 2956979.8/19
Left Out: 838.254+/-0.138 χ²/NDF:1800138.0/24
Right Out: 1548.841+/-0.370 χ²/NDF: 3885532.0/24
Left In: 839.978+/-0.140 χ²/NDF:669338.3/22
Left: 839.104+/-0.099 χ²/NDF: 2469552.9/47
Right: 1564.728+/-0.268 χ²/NDF: 6846400.9/44
In: 925.332+/-0.132 χ²/NDF:6842704.5/42
Out: 925.469+/-0.130 χ²/NDF:8922927.0/49
All: 925.402+/-0.092 χ²/NDF: 15765632.1/92



Right In: 934.208+/-534.620 χ^2/NDF: 15.7/19

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -81.243+/-514.712 χ^2/NDF: 22.8/24

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

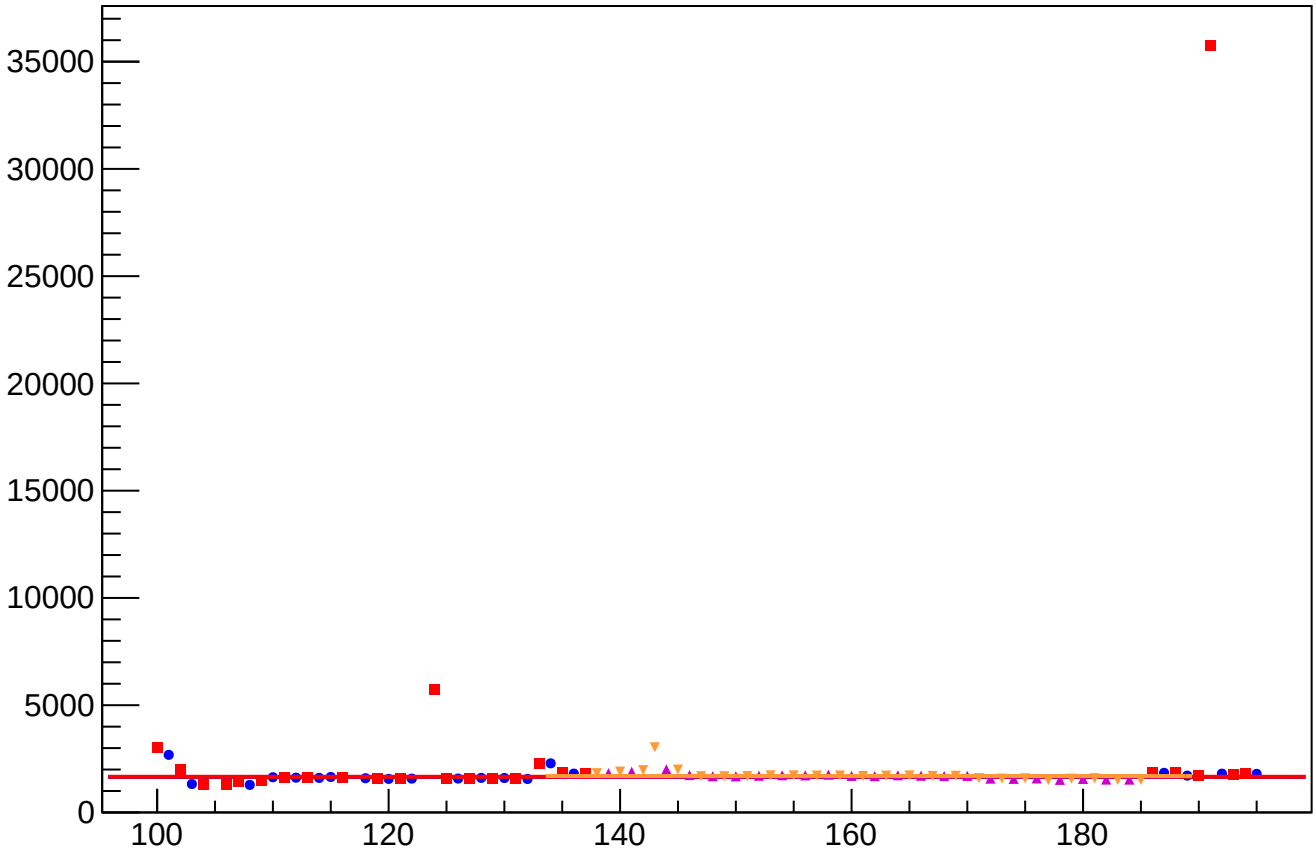
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 407.224+/-370.795 χ^2/NDF: 40.4/44

In: 430.740+/-317.307 χ^2/NDF:33.1/42

Out: 201.043+/-309.898 χ^2/NDF:52.9/49

All: 313.179+/-221.704 χ^2/NDF: 86.3/92



Right In: 1653.437+/-0.378 χ^2/NDF: 444237.1/19

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.2/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

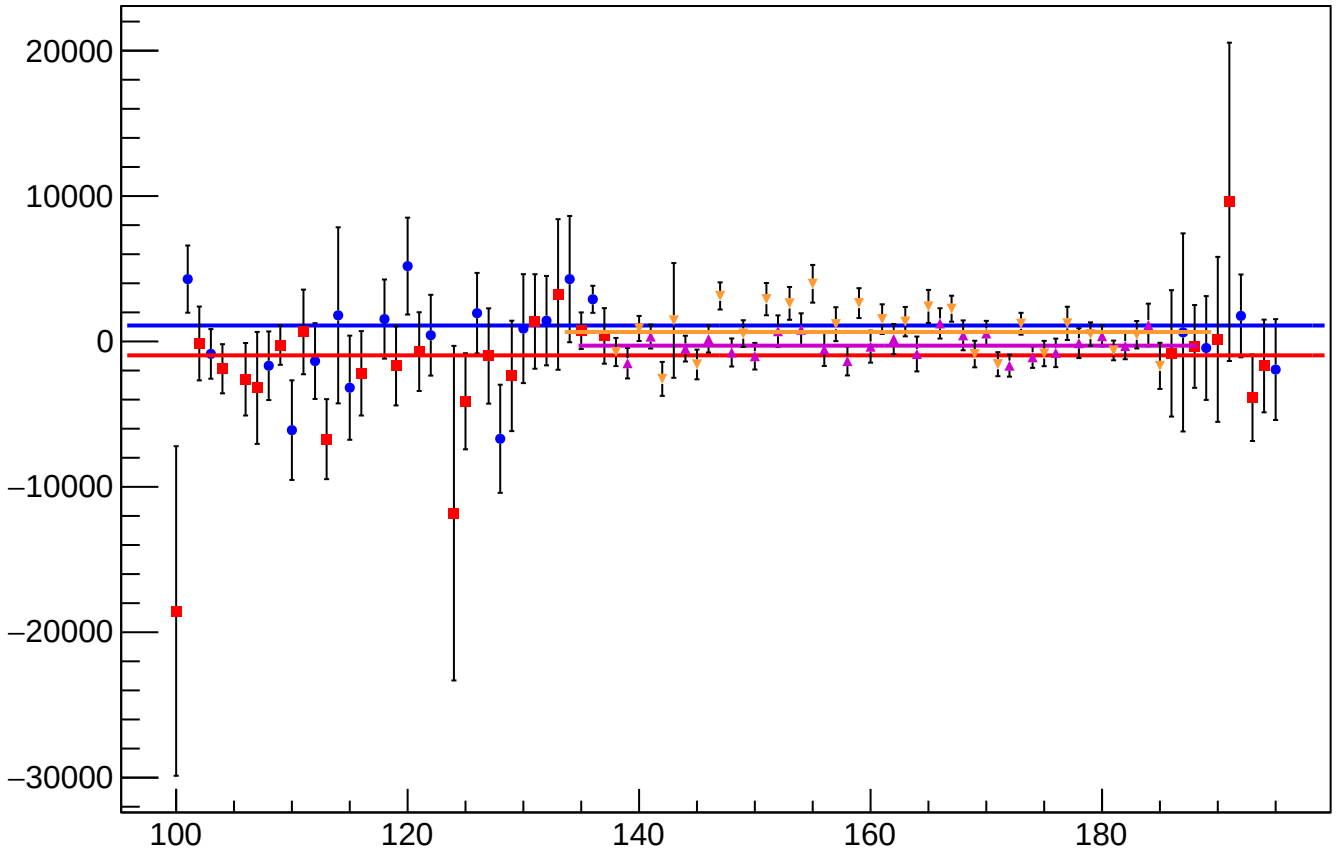
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1657.872+/-0.262 χ^2/NDF: 1090416.4/44

In: 1673.608+/-0.224 χ^2/NDF:613987.8/42

Out: 1684.622+/-0.219 χ^2/NDF:1147381.7/49

All: 1679.245+/-0.157 χ^2/NDF: 1762602.9/92



Right In: 1097.325+/-550.708 χ^2/NDF: 22.7/19

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -956.267+/-523.129 χ^2/NDF: 16.2/24

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

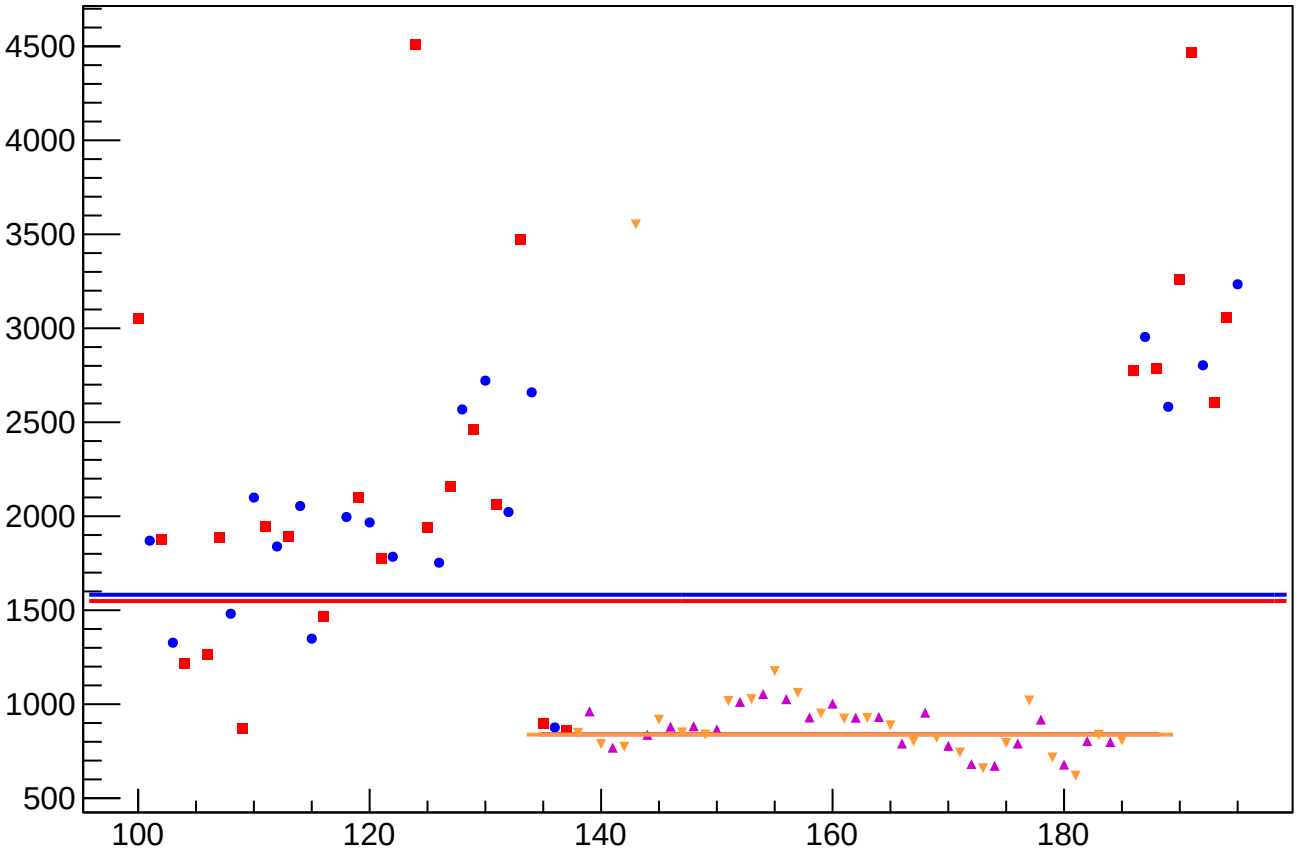
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 17.822+/-379.283 χ^2/NDF: 46.3/44

In: -129.253+/-186.735 χ^2/NDF:44.9/42

Out: 452.119+/-183.272 χ^2/NDF:90.0/49

All: 166.875+/-130.800 χ^2/NDF: 139.8/92



Right In: 1582.336+/-0.389 χ^2/NDF: 2956979.8/19

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1548.841+/-0.370 χ^2/NDF: 3885532.0/24

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

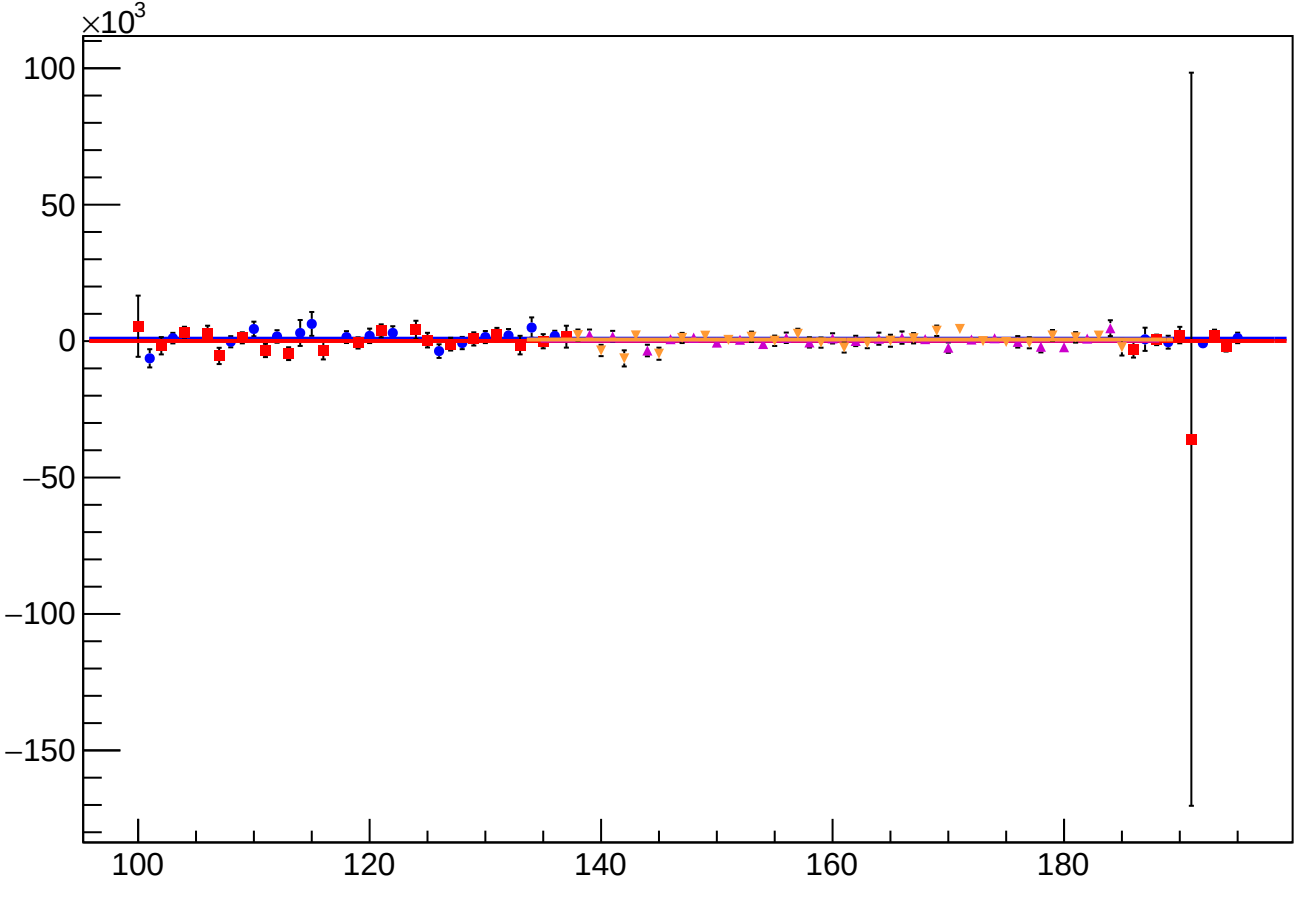
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1564.728+/-0.268 χ^2/NDF: 6846400.9/44

In: 925.332+/-0.132 χ^2/NDF:6842704.5/42

Out: 925.469+/-0.130 χ^2/NDF:8922927.0/49

All: 925.402+/-0.092 χ^2/NDF: 15765632.1/92



Right In: 880.421+/-540.357 χ^2/NDF: 16.3/19

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 50.408+/-514.802 χ^2/NDF: 24.7/24

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

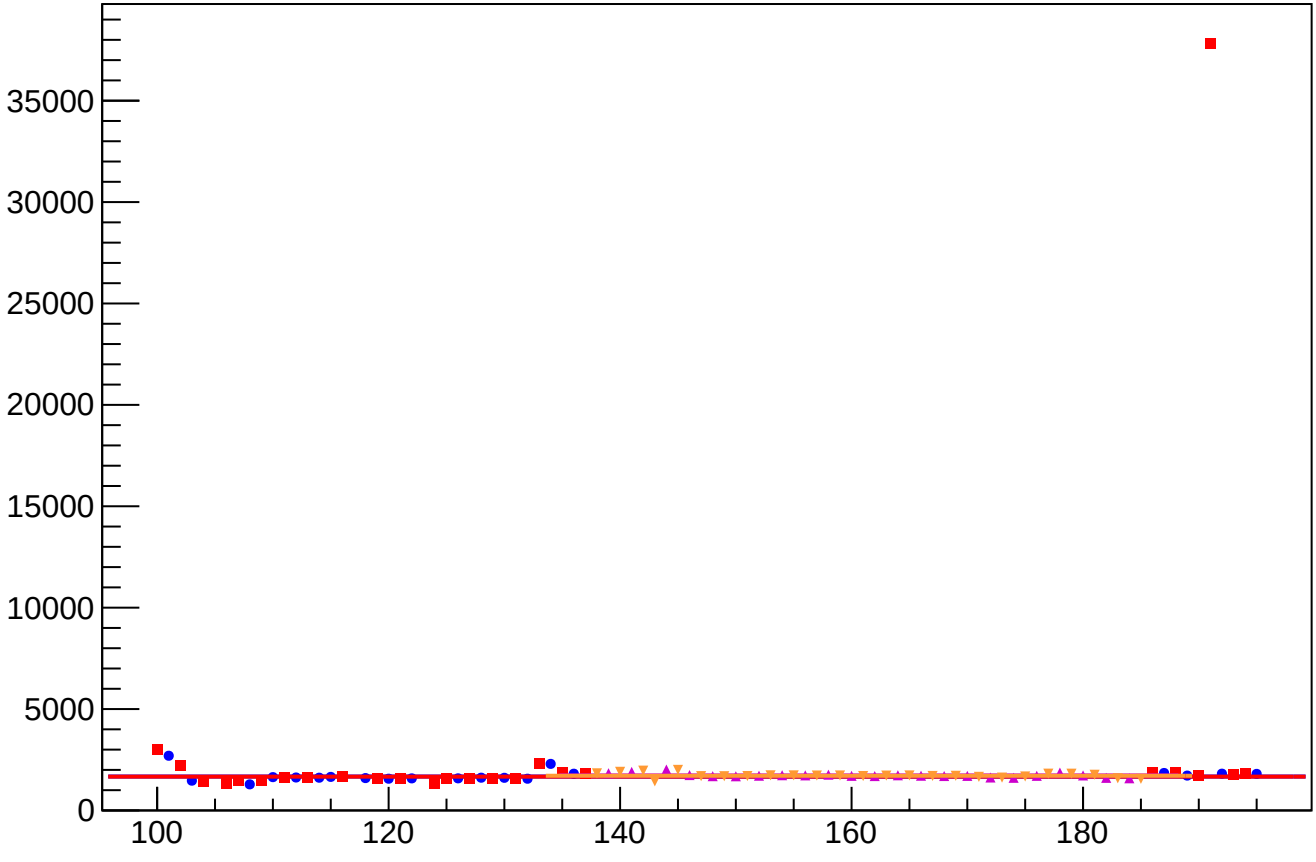
Right: 445.324+/-372.727 χ^2/NDF: 42.3/44

In: 434.959+/-323.612 χ^2/NDF:31.8/42

Out: 387.224+/-310.749 χ^2/NDF:57.3/49

All: 410.124+/-224.142 χ^2/NDF: 89.2/92

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1673.436+/-0.382 χ^2/NDF: 392898.4/19

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1667.520+/-0.364 χ^2/NDF: 505008.2/24

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

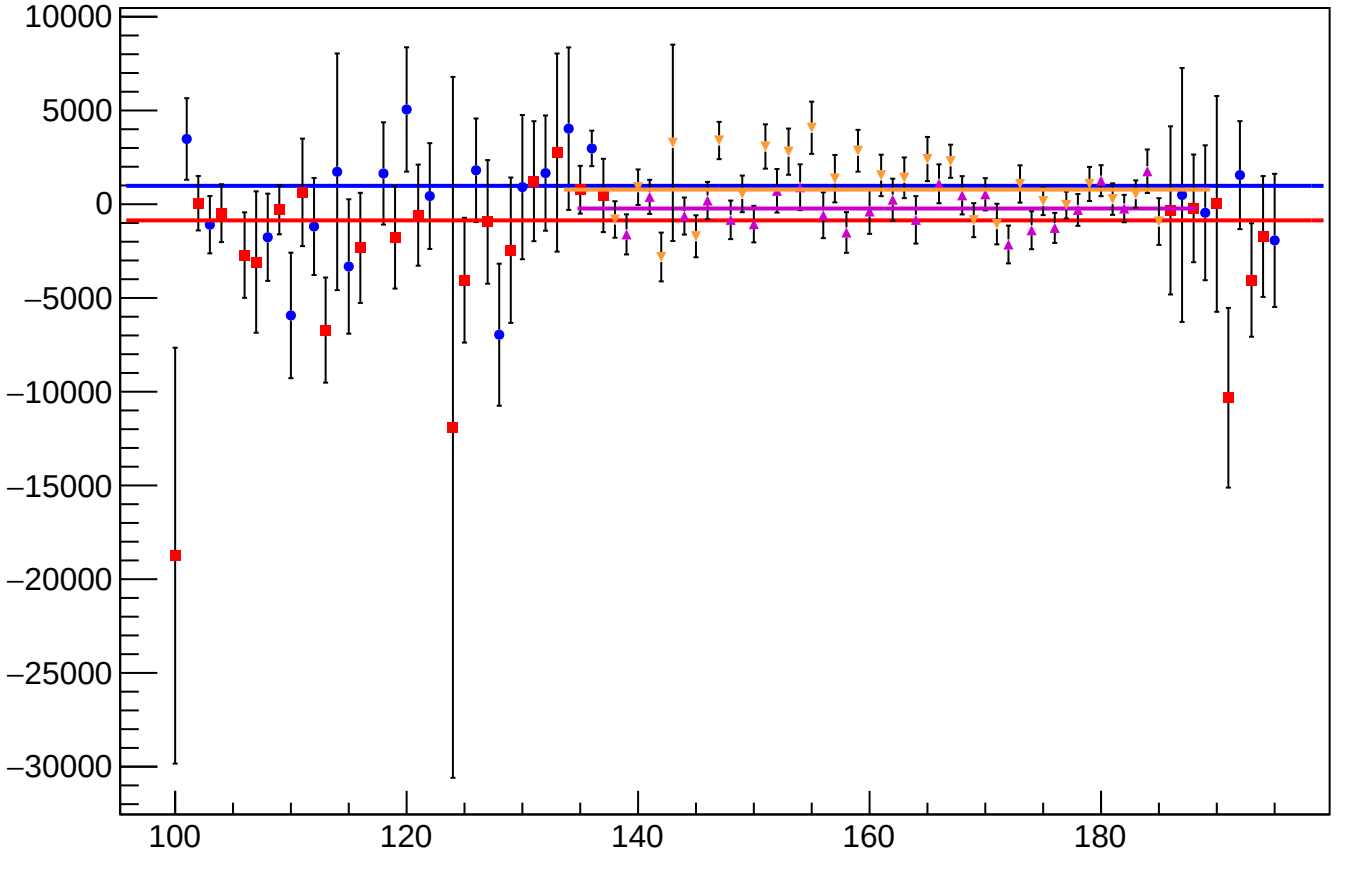
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1670.335+/-0.264 χ^2/NDF: 898032.2/44

In: 1708.373+/-0.229 χ^2/NDF:506162.2/42

Out: 1695.609+/-0.220 χ^2/NDF:682382.4/49

All: 1701.733+/-0.158 χ^2/NDF: 1190163.3/92



Right In: 980.905+/-545.580 χ^2/NDF: 22.9/19

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -862.641+/-493.890 χ^2/NDF: 18.9/24

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

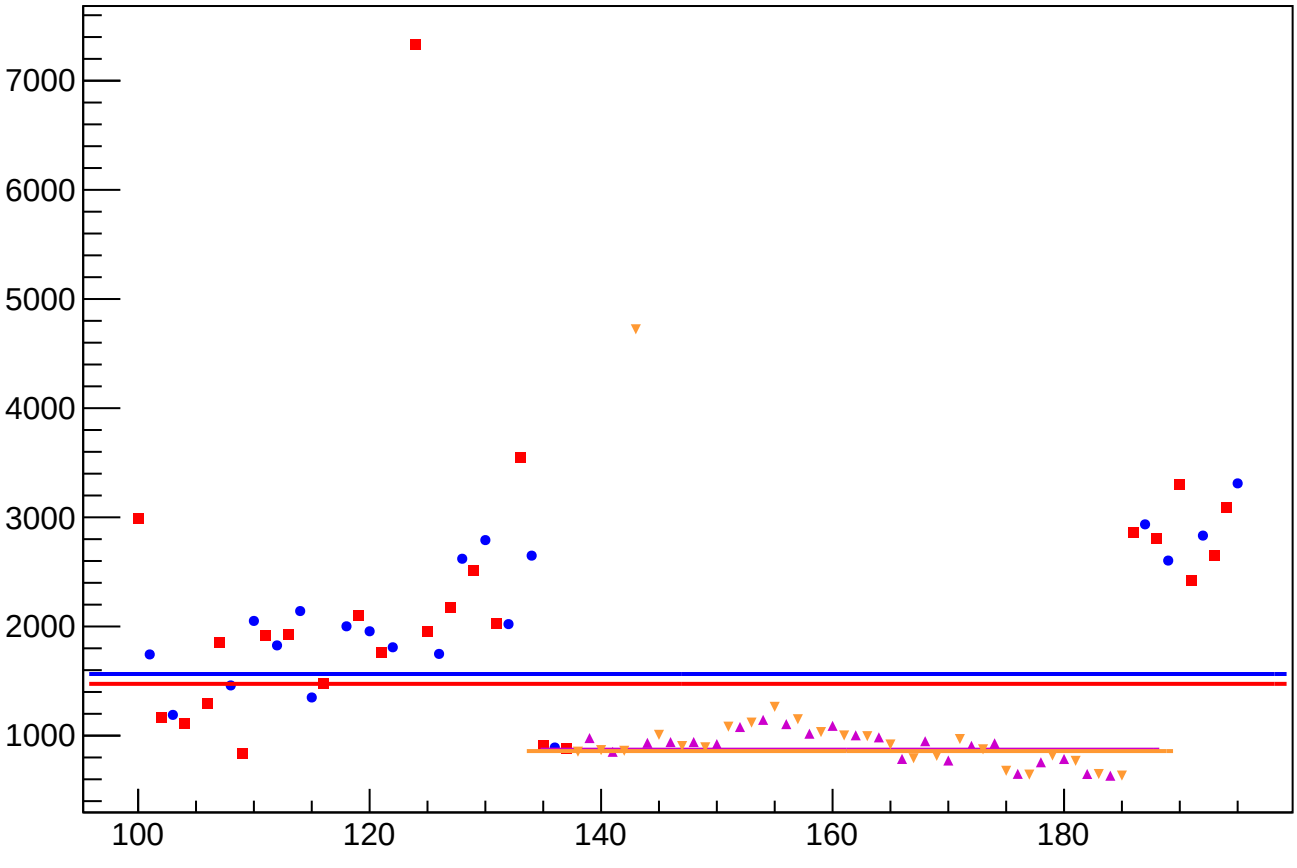
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: -32.315+/-366.147 χ^2/NDF: 48.1/44

In: -77.022+/-193.295 χ^2/NDF:49.8/42

Out: 544.435+/-186.682 χ^2/NDF:82.9/49

All: 244.520+/-134.281 χ^2/NDF: 138.1/92



Right In: 1564.710+/-0.386 χ^2/NDF: 2989459.4/19

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1474.373+/-0.349 χ^2/NDF: 4096593.2/24

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

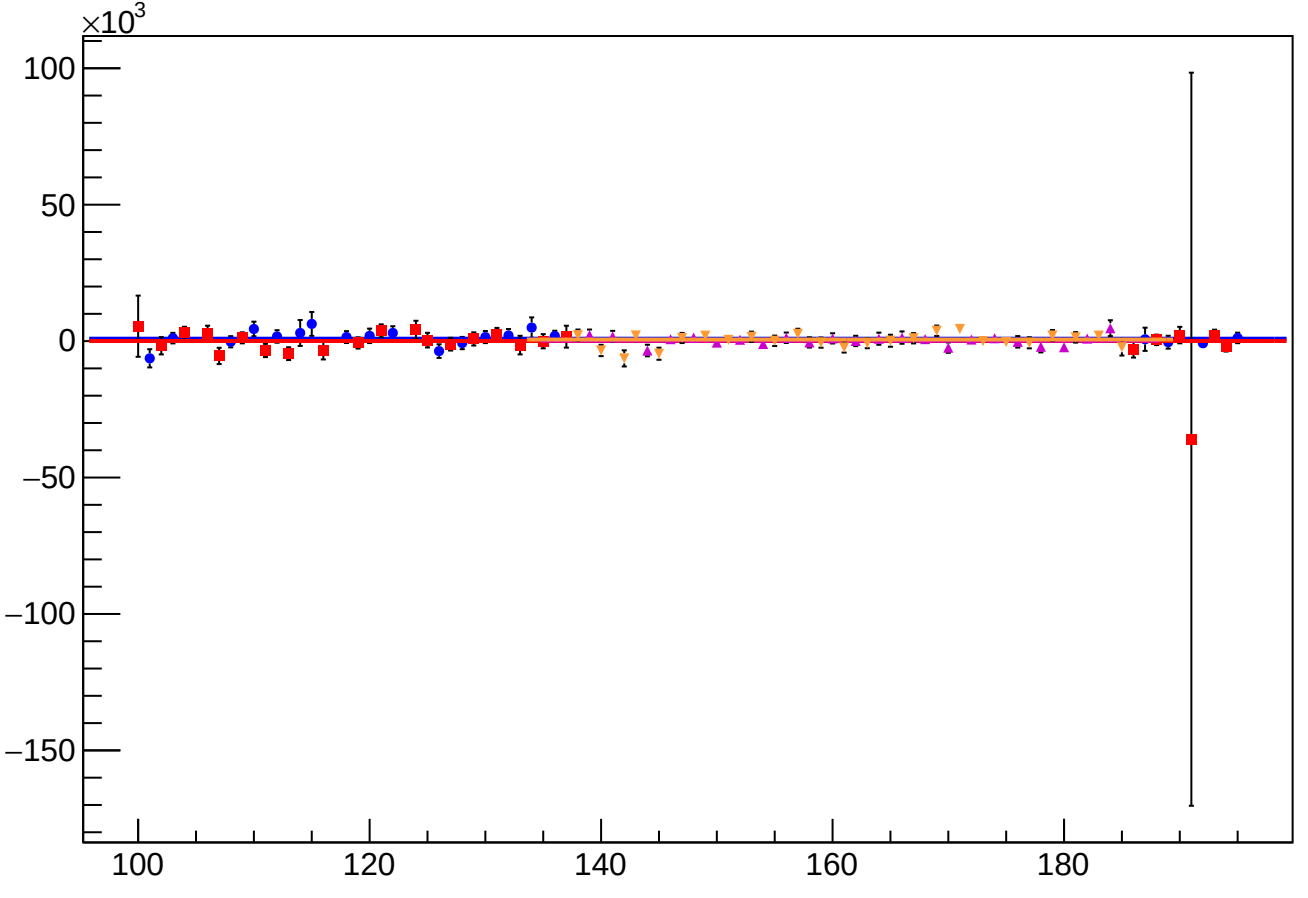
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1515.060+/-0.259 χ^2/NDF: 7116189.0/44

In: 958.538+/-0.137 χ^2/NDF:6792119.6/42

Out: 946.570+/-0.132 χ^2/NDF:9041182.4/49

All: 952.345+/-0.095 χ^2/NDF: 15837269.0/92



Right In: 880.422+/-540.357 χ^2/NDF: 16.3/19

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 50.411+/-514.802 χ^2/NDF: 24.7/24

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

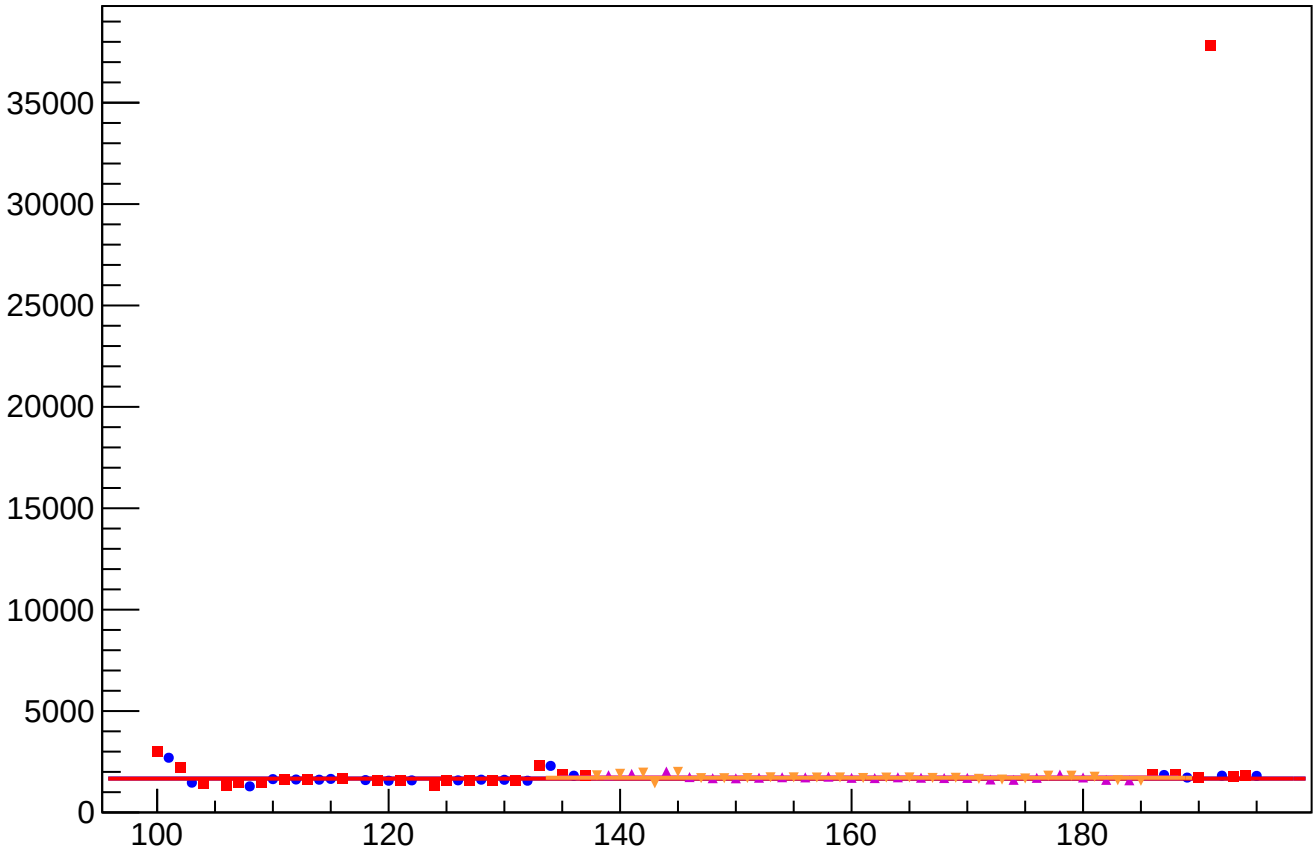
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 445.326+/-372.727 χ^2/NDF: 42.3/44

In: 434.960+/-323.612 χ^2/NDF:31.8/42

Out: 387.222+/-310.749 χ^2/NDF:57.3/49

All: 410.123+/-224.142 χ^2/NDF: 89.2/92



Right In: 1673.435+/-0.382 χ^2/NDF: 392898.2/19

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1667.520+/-0.364 χ^2/NDF: 505008.4/24

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

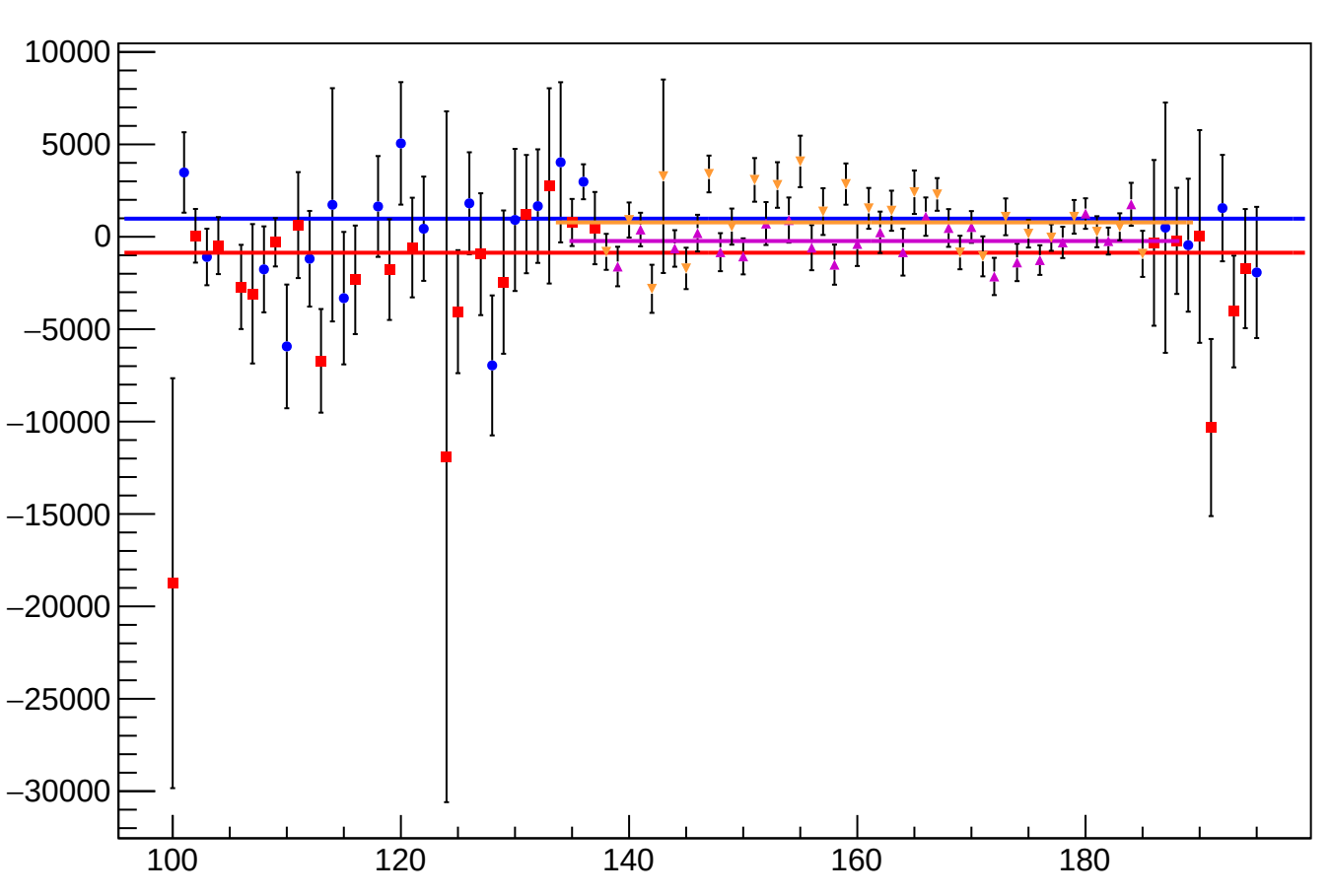
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1670.334+/-0.264 χ^2/NDF: 898032.3/44

In: 1708.373+/-0.229 χ^2/NDF:506161.8/42

Out: 1695.609+/-0.220 χ^2/NDF:682381.3/49

All: 1701.733+/-0.158 χ^2/NDF: 1190161.9/92



Right In: 980.894+/-545.583 χ^2/NDF: 22.9/19

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -862.656+/-493.893 χ^2/NDF: 18.9/24

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

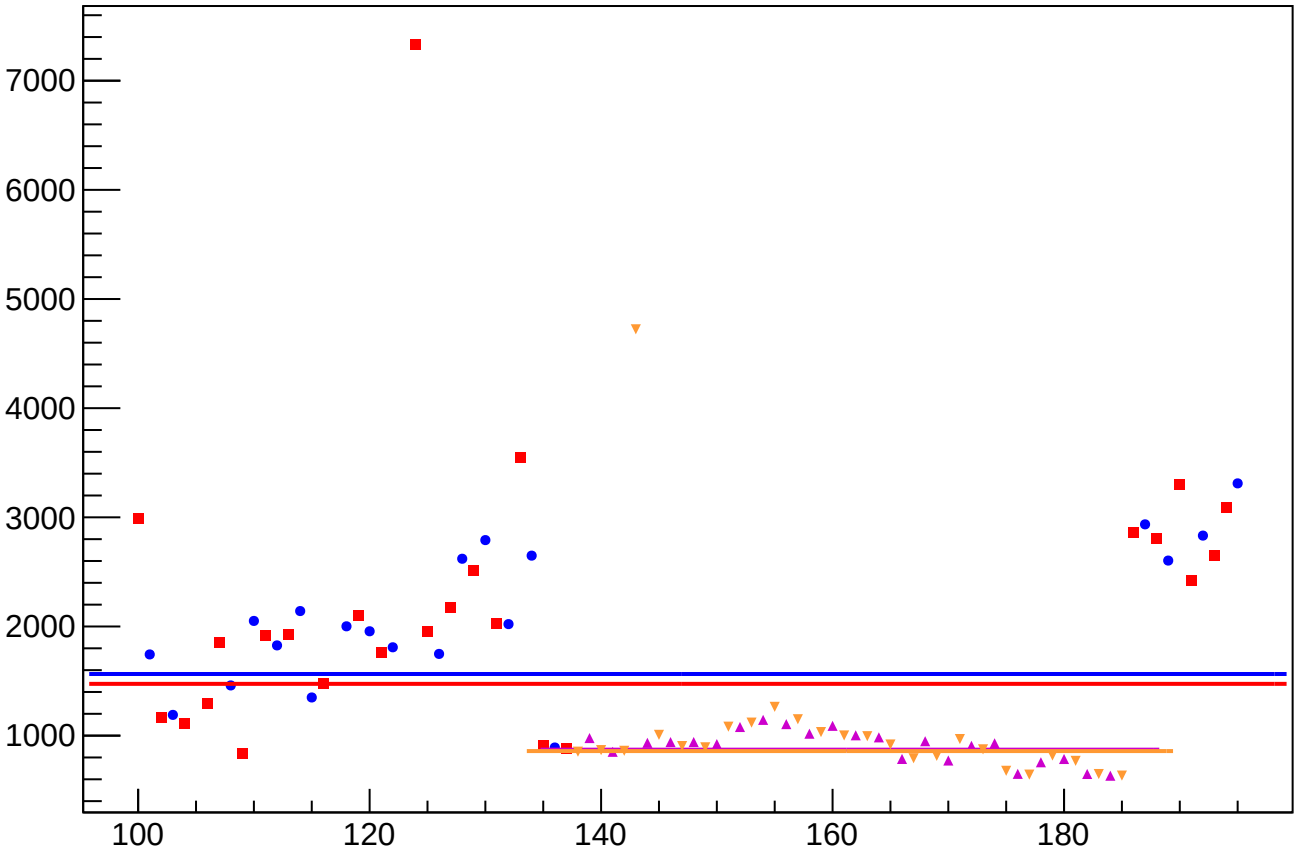
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: -32.328+/-366.149 χ^2/NDF: 48.1/44

In: -77.023+/-193.295 χ^2/NDF:49.8/42

Out: 544.438+/-186.682 χ^2/NDF:82.9/49

All: 244.520+/-134.281 χ^2/NDF: 138.1/92



Right In: 1564.725+/-0.386 χ^2/NDF: 2989336.7/19

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1474.387+/-0.349 χ^2/NDF: 4096482.5/24

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

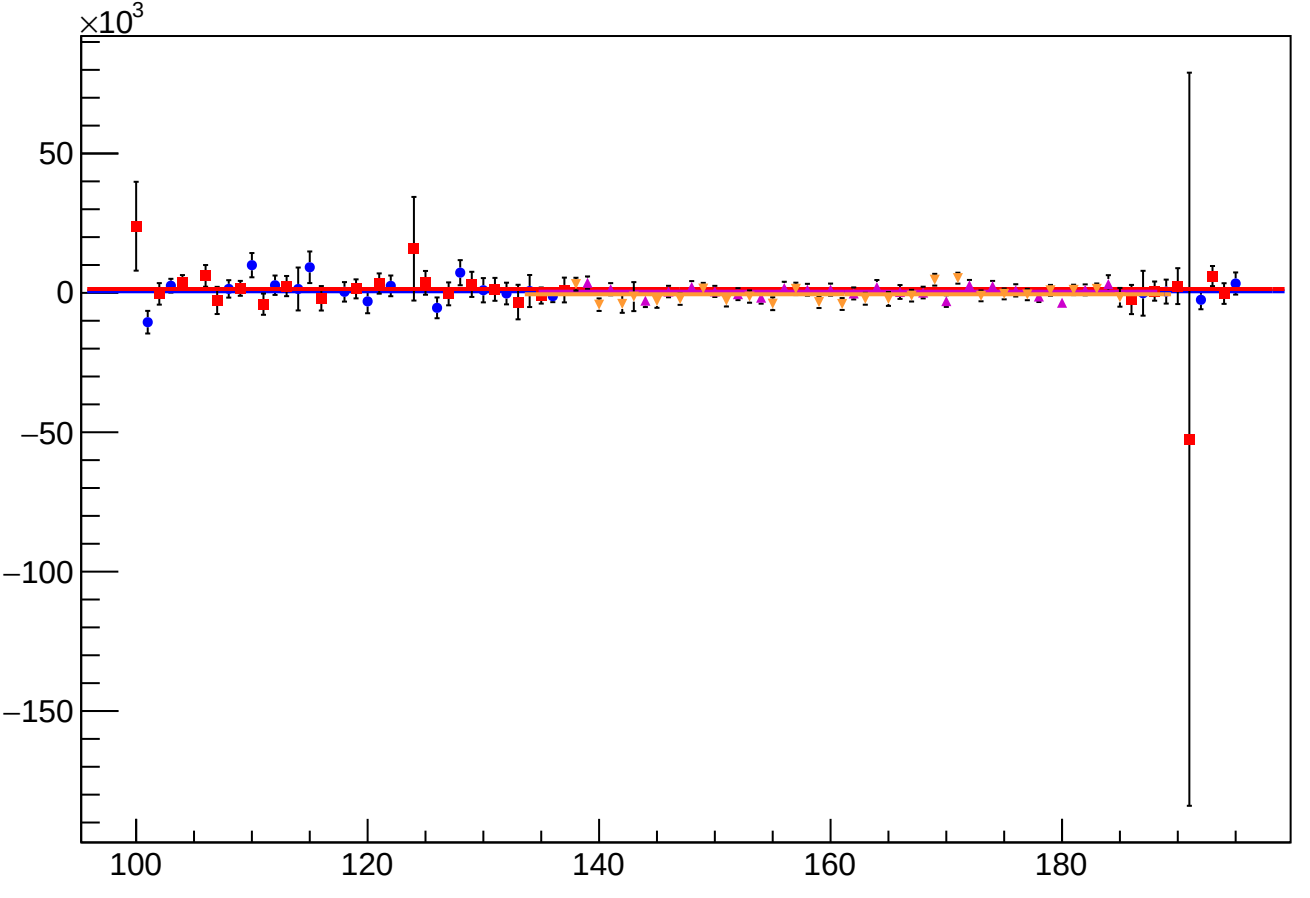
Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

Right: 1515.075+/-0.259 χ^2/NDF: 7115956.5/44

In: 958.538+/-0.137 χ^2/NDF:6792107.0/42

Out: 946.571+/-0.132 χ^2/NDF:9041152.2/49

All: 952.346+/-0.095 χ^2/NDF: 15837225.3/92



Right In: 570.860+/-836.638 χ^2/NDF: 23.3/19

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1387.853+/-801.787 χ^2/NDF: 13.4/24

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

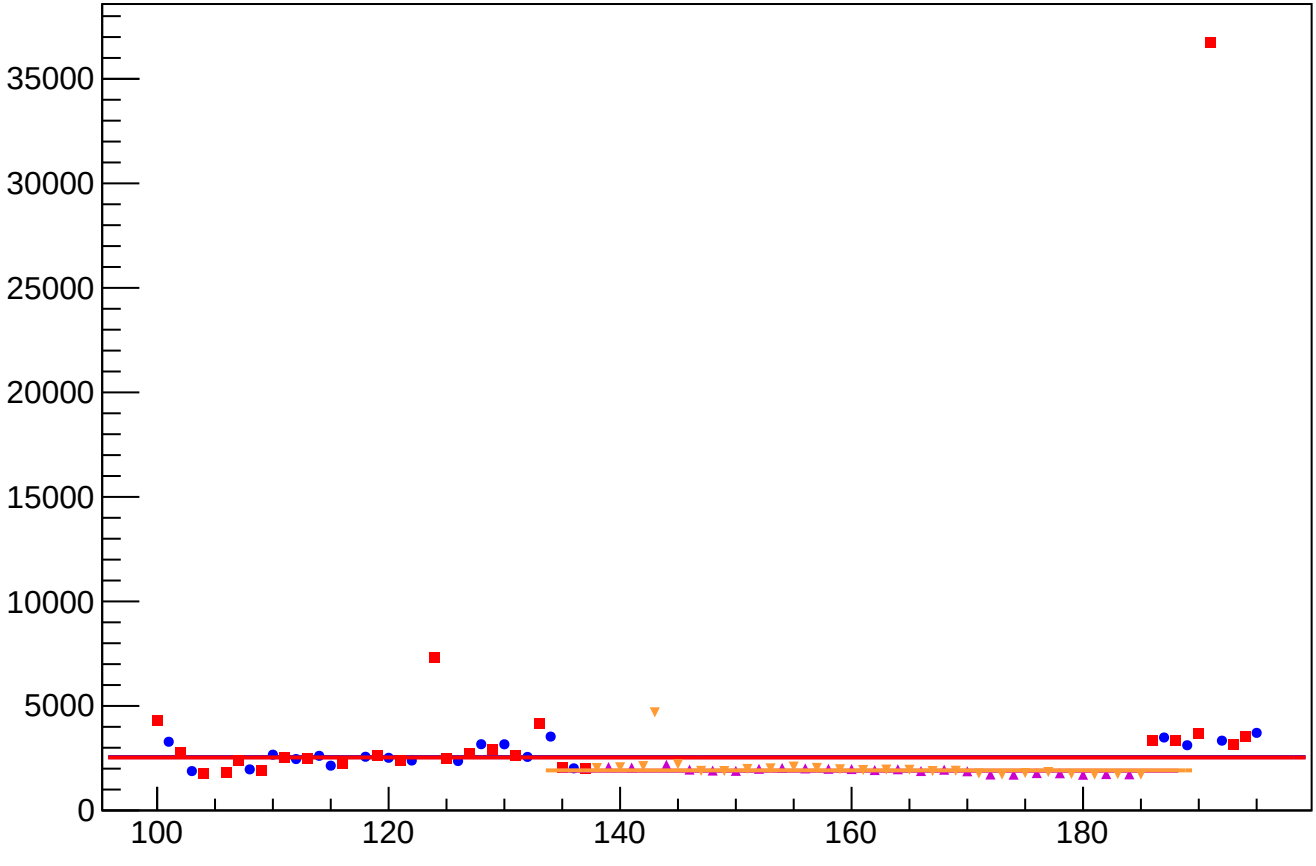
Right: 996.727+/-578.878 χ^2/NDF: 37.2/44

In: 446.452+/-392.588 χ^2/NDF:42.2/42

Out: -64.348+/-385.678 χ^2/NDF:53.6/49

All: 186.517+/-275.126 χ^2/NDF: 96.7/92

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2551.238+/-0.592 χ^2/NDF: 906718.2/19

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2535.187+/-0.567 χ^2/NDF: 1371002.5/24

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

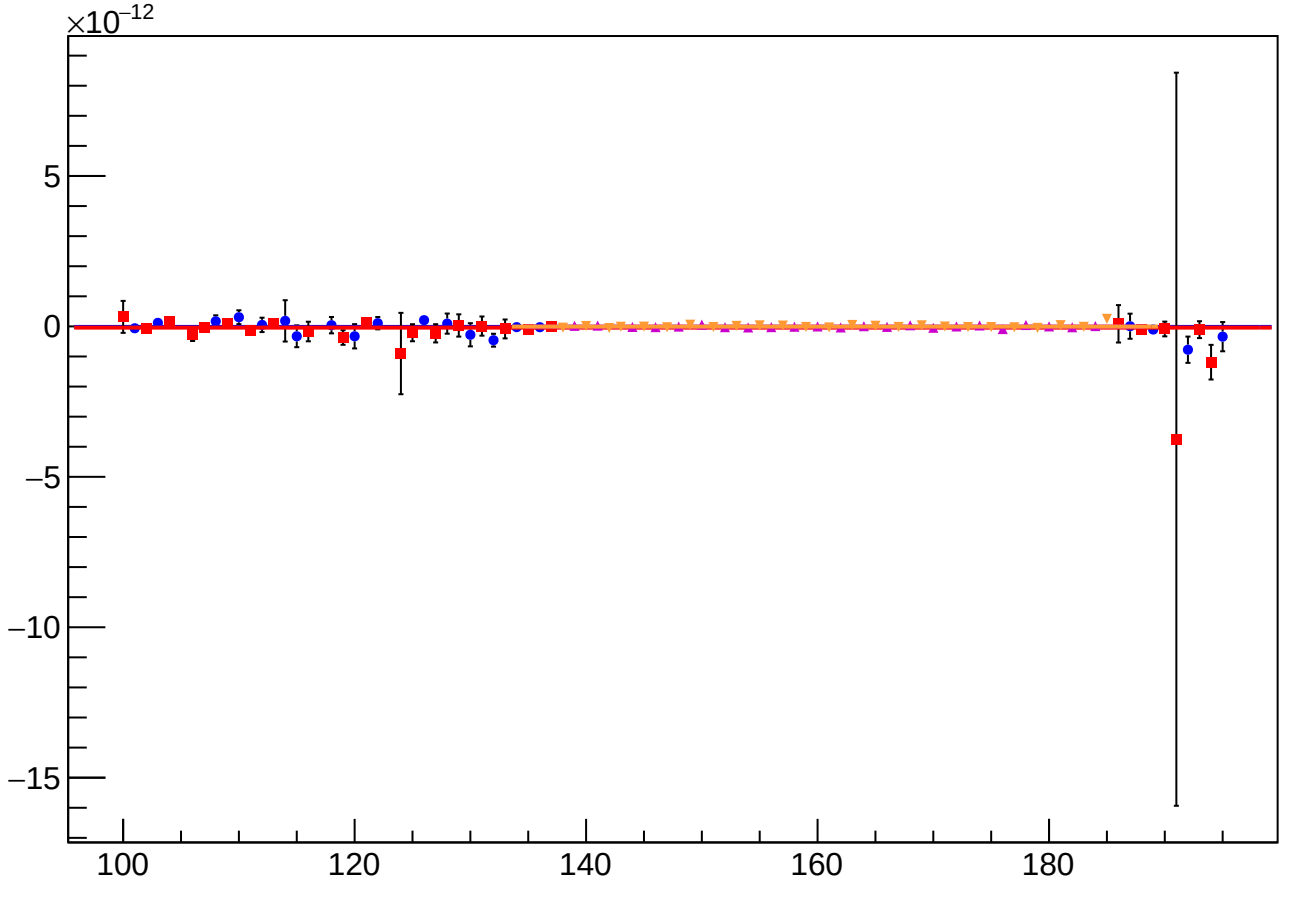
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2542.871+/-0.409 χ^2/NDF: 2278104.5/44

In: 2042.808+/-0.278 χ^2/NDF:2027267.5/42

Out: 2060.161+/-0.273 χ^2/NDF:3040755.8/49

All: 2051.639+/-0.195 χ^2/NDF: 5070011.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/24

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

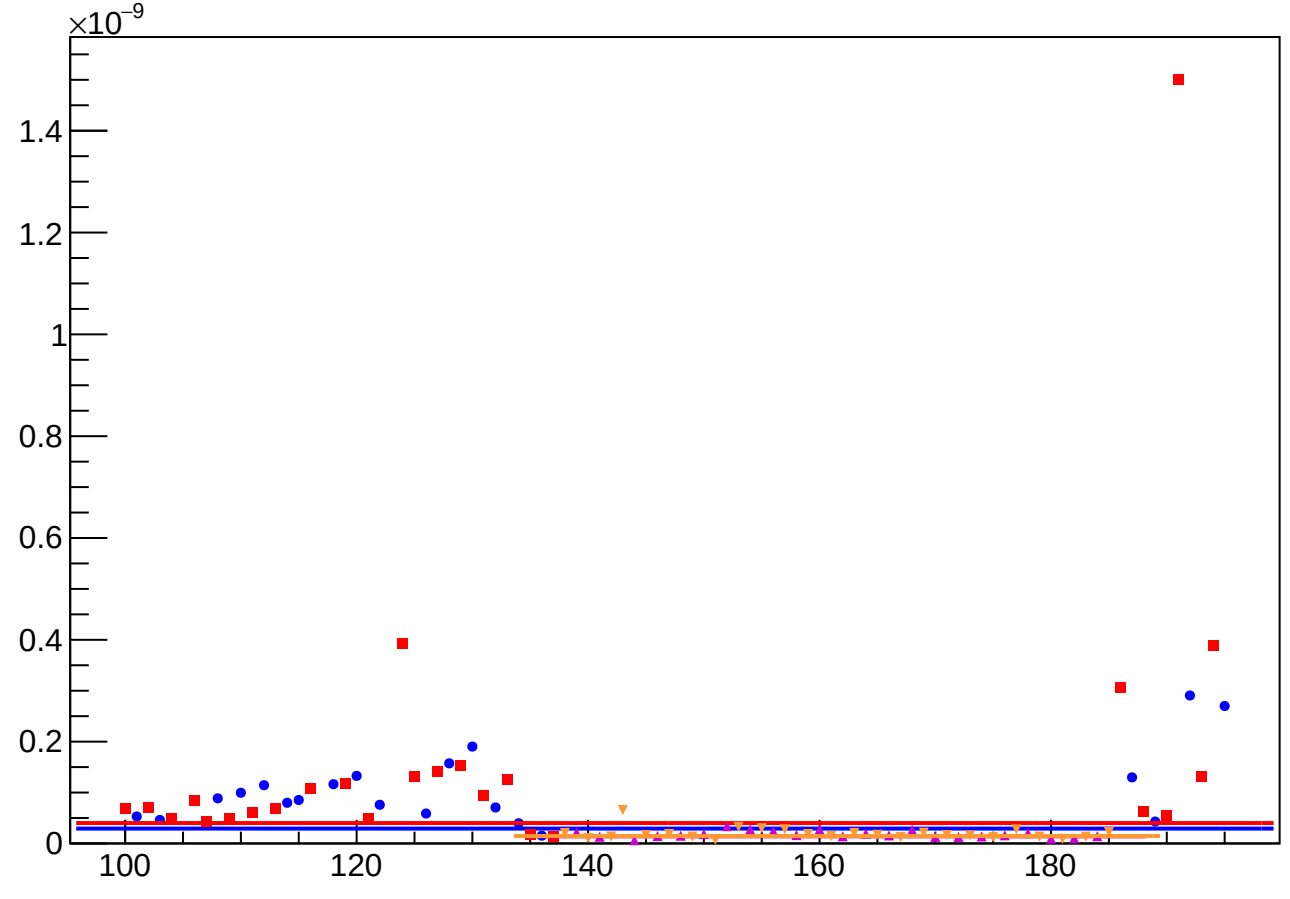
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 38.8/44

In: -0.000+/-0.000 χ^2/NDF:43.9/42

Out: -0.000+/-0.000 χ^2/NDF:49.8/49

All: -0.000+/-0.000 χ^2/NDF: 93.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 4083292.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3889191.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

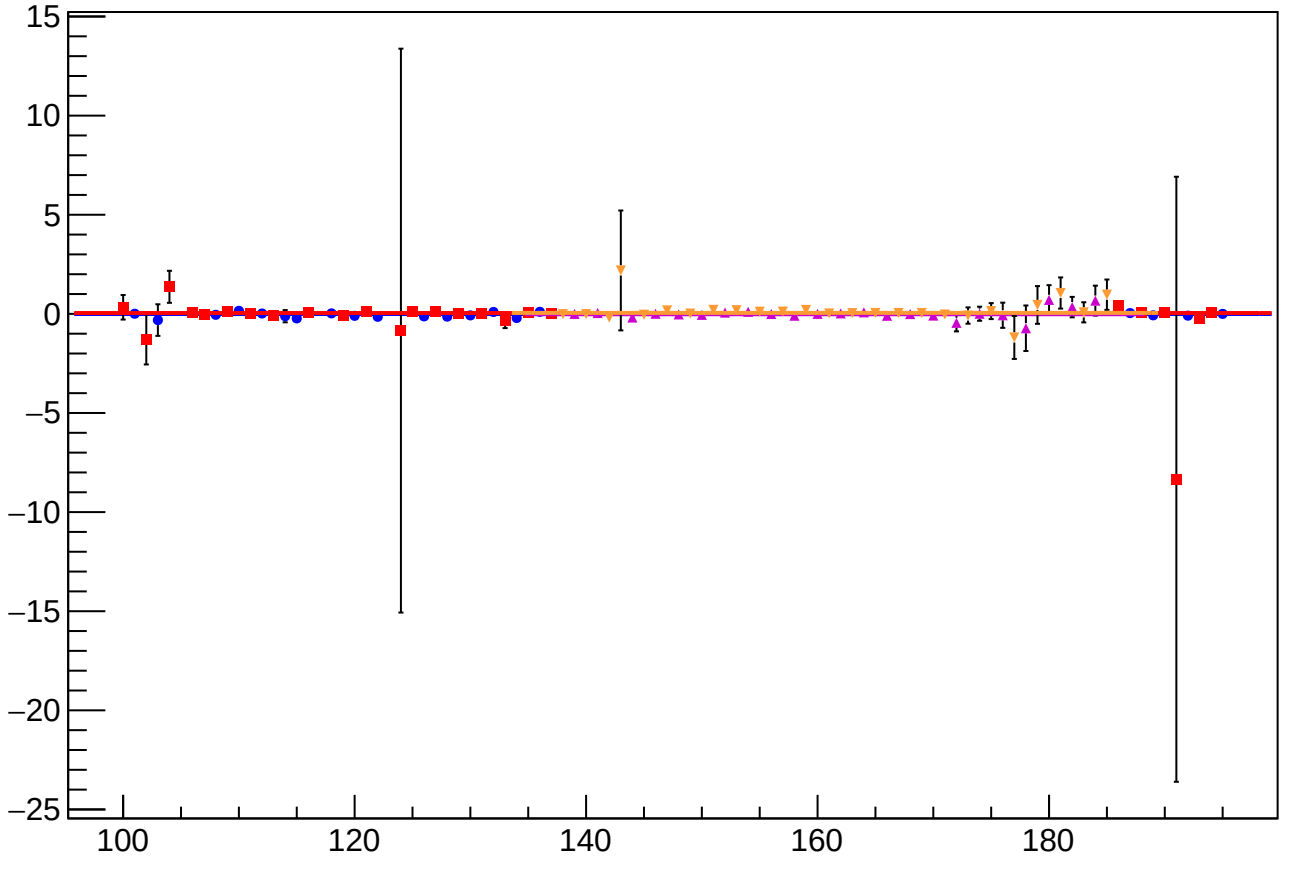
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8168335.4/44

In: 0.000+/-0.000 χ^2/NDF:6935827.0/42

Out: 0.000+/-0.000 χ^2/NDF:7468430.5/49

All: 0.000+/-0.000 χ^2/NDF: 14422372.3/92



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/19

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.042+/-0.021 χ^2/NDF: 22.2/24

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

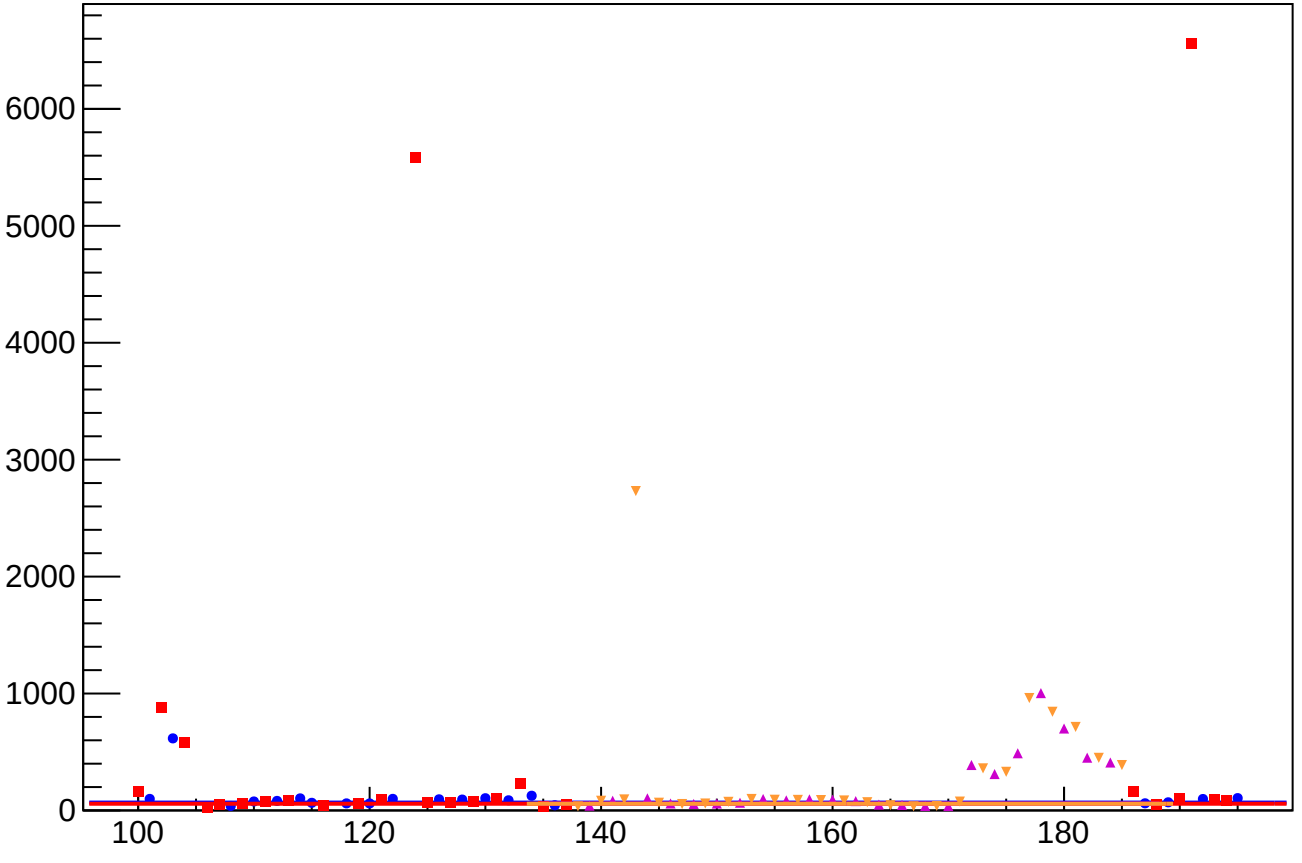
Right: 0.021+/-0.016 χ^2/NDF: 38.9/44

In: -0.015+/-0.014 χ^2/NDF:30.2/42

Out: 0.047+/-0.013 χ^2/NDF:46.8/49

All: 0.018+/-0.010 χ^2/NDF: 87.0/92

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.413+/-0.017 χ^2/NDF: 2864192.5/19

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 57.368+/-0.015 χ^2/NDF: 5180033.8/24

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

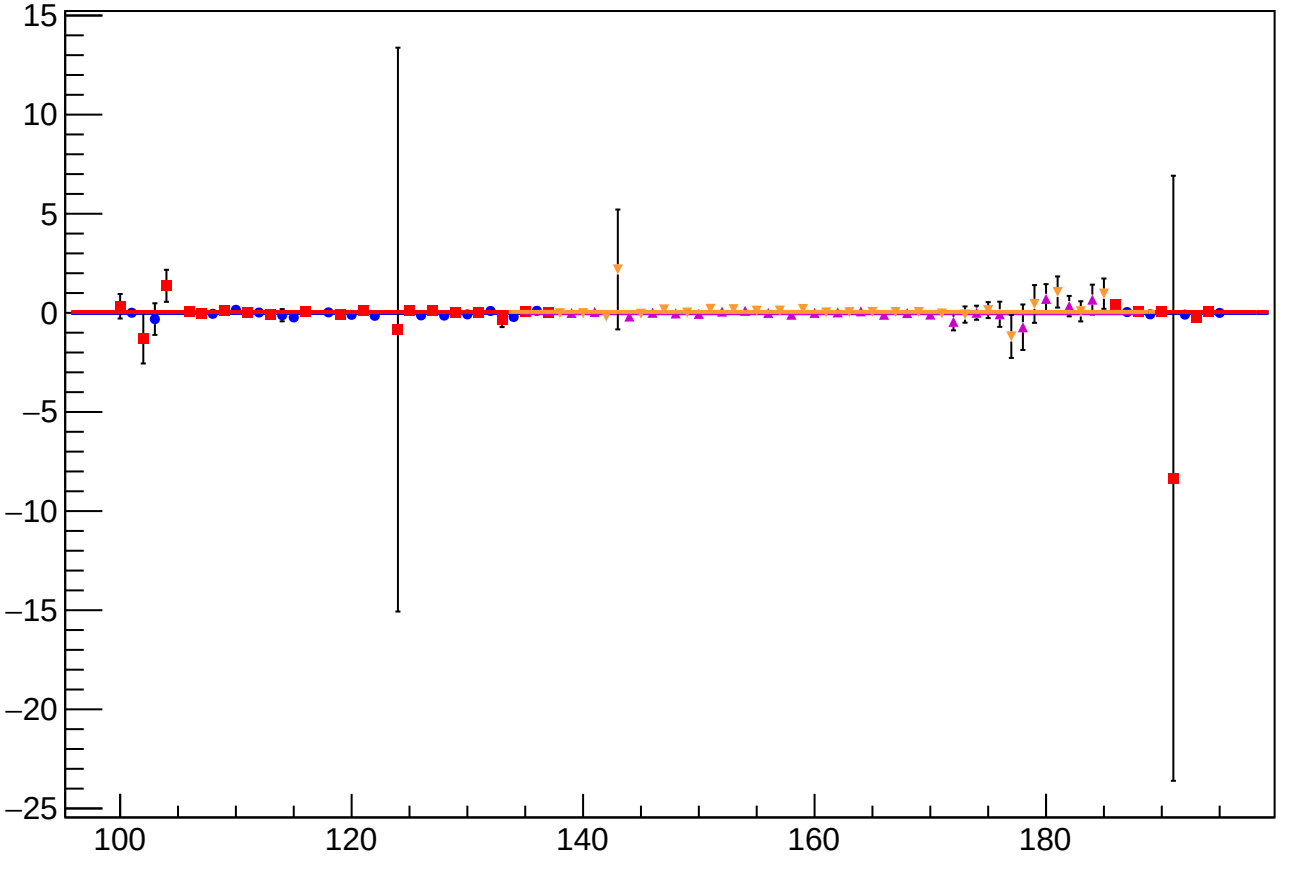
Right: 61.695+/-0.011 χ^2/NDF: 8234550.5/44

In: 61.469+/-0.010 χ^2/NDF:13285809.4/42

Out: 57.302+/-0.009 χ^2/NDF:17502084.9/49

All: 59.274+/-0.007 χ^2/NDF: 30880580.4/92

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/19

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.042+/-0.021 χ^2/NDF: 22.2/24

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

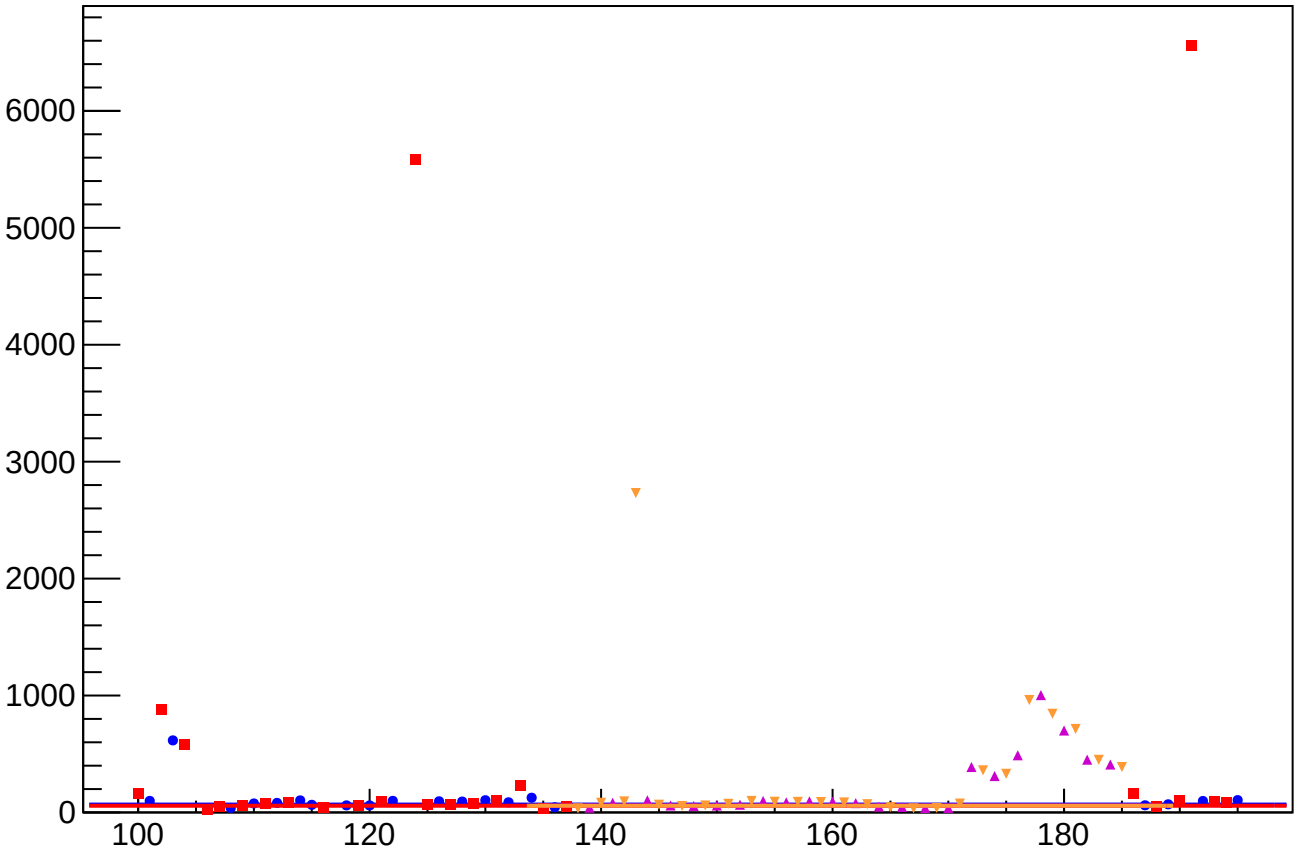
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.016 χ^2/NDF: 38.9/44

In: -0.015+/-0.014 χ^2/NDF:30.2/42

Out: 0.047+/-0.013 χ^2/NDF:46.8/49

All: 0.018+/-0.010 χ^2/NDF: 87.0/92



Right In: 67.413+/-0.017 χ^2/NDF: 2864192.5/19

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 57.368+/-0.015 χ^2/NDF: 5180033.8/24

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

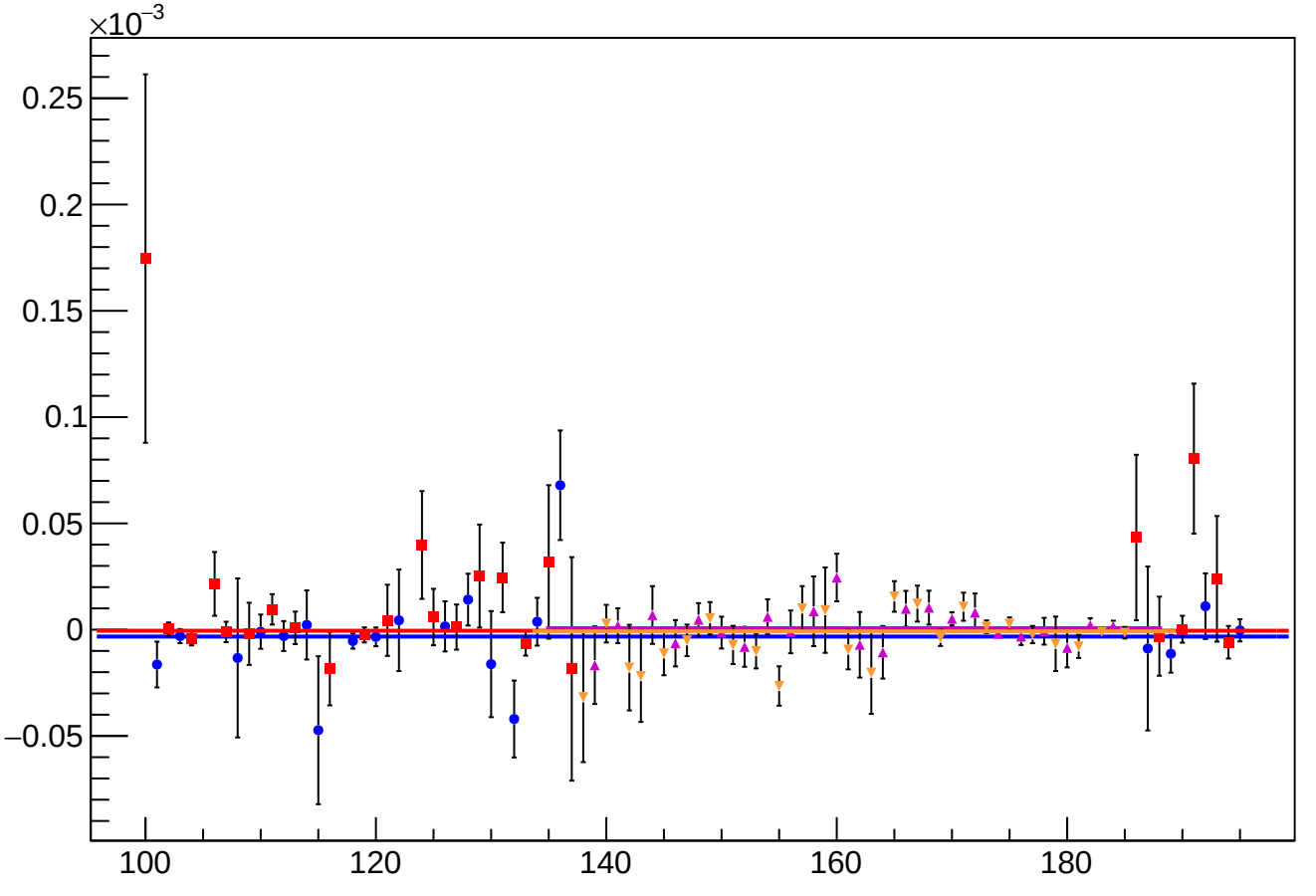
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 61.695+/-0.011 χ^2/NDF: 8234550.5/44

In: 61.469+/-0.010 χ^2/NDF:13285809.4/42

Out: 57.302+/-0.009 χ^2/NDF:17502084.9/49

All: 59.274+/-0.007 χ^2/NDF: 30880580.4/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/24

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

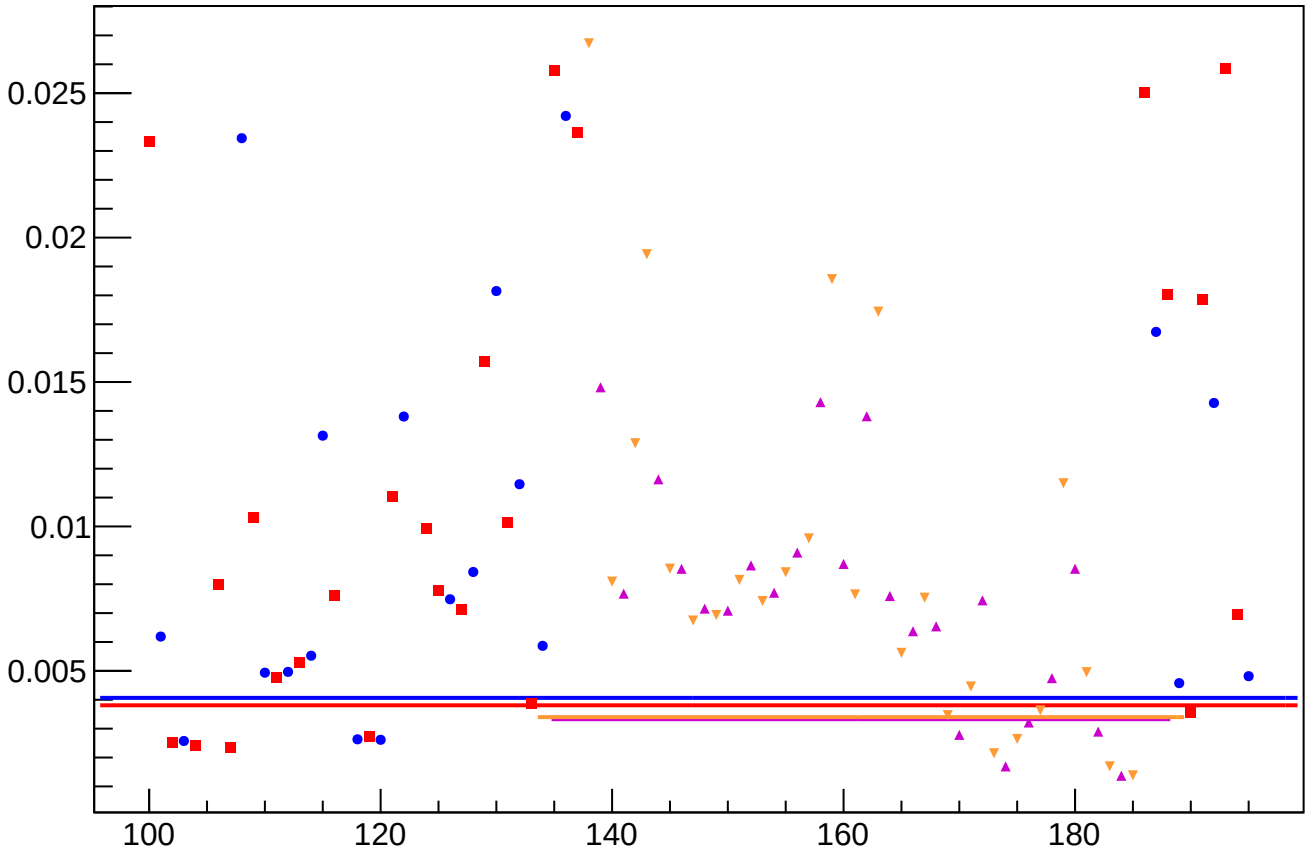
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 49.3/44

In: -0.000+/-0.000 χ^2/NDF:43.7/42

Out: -0.000+/-0.000 χ^2/NDF:59.7/49

All: -0.000+/-0.000 χ^2/NDF: 103.5/92



Right In: 0.004+/-0.000 χ^2/NDF: 5904965.7/19

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8121348.5/24

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

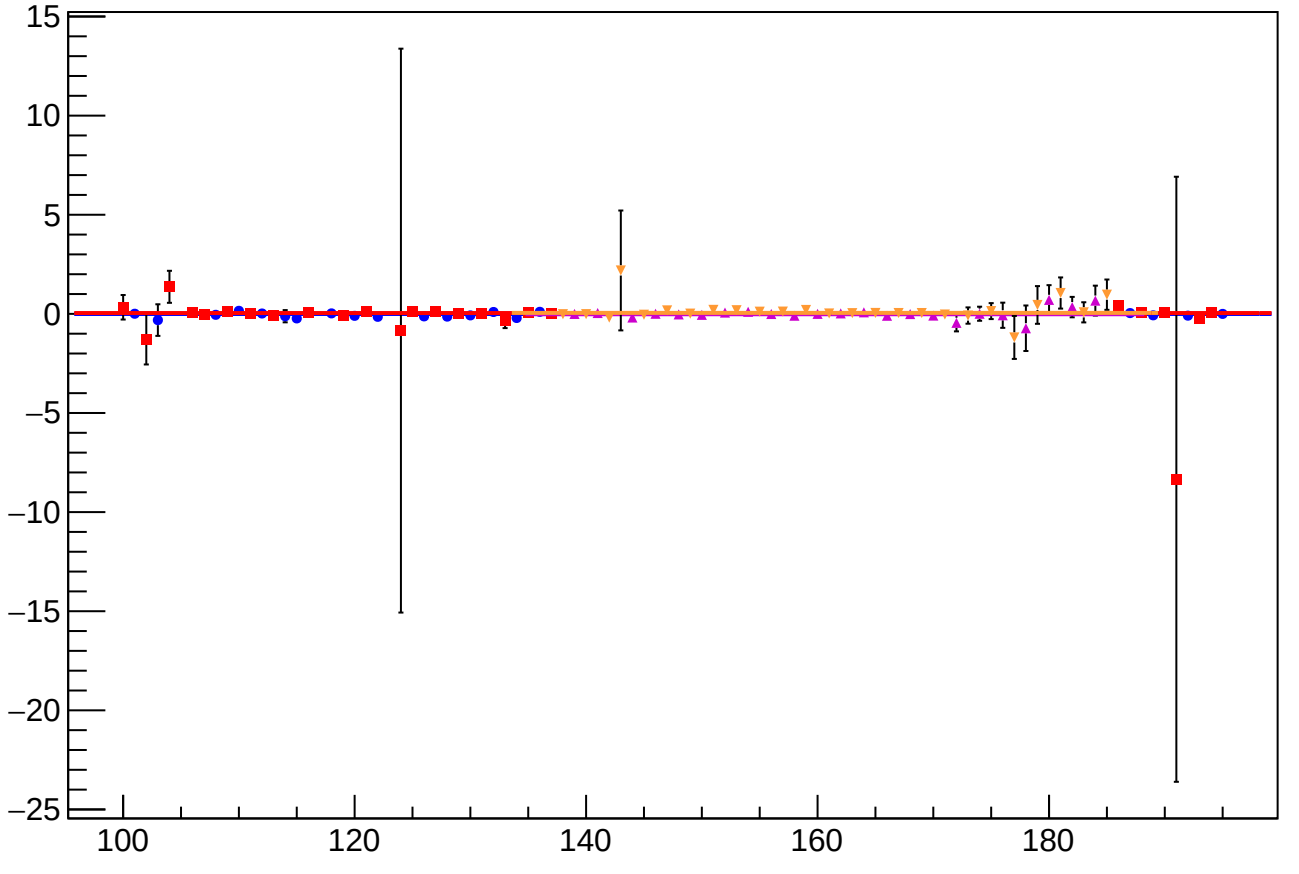
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 14052984.6/44

In: 0.004+/-0.000 χ^2/NDF:18749289.5/42

Out: 0.004+/-0.000 χ^2/NDF:22475707.5/49

All: 0.004+/-0.000 χ^2/NDF: 41224998.0/92



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/19

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.042+/-0.021 χ^2/NDF: 22.2/24

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

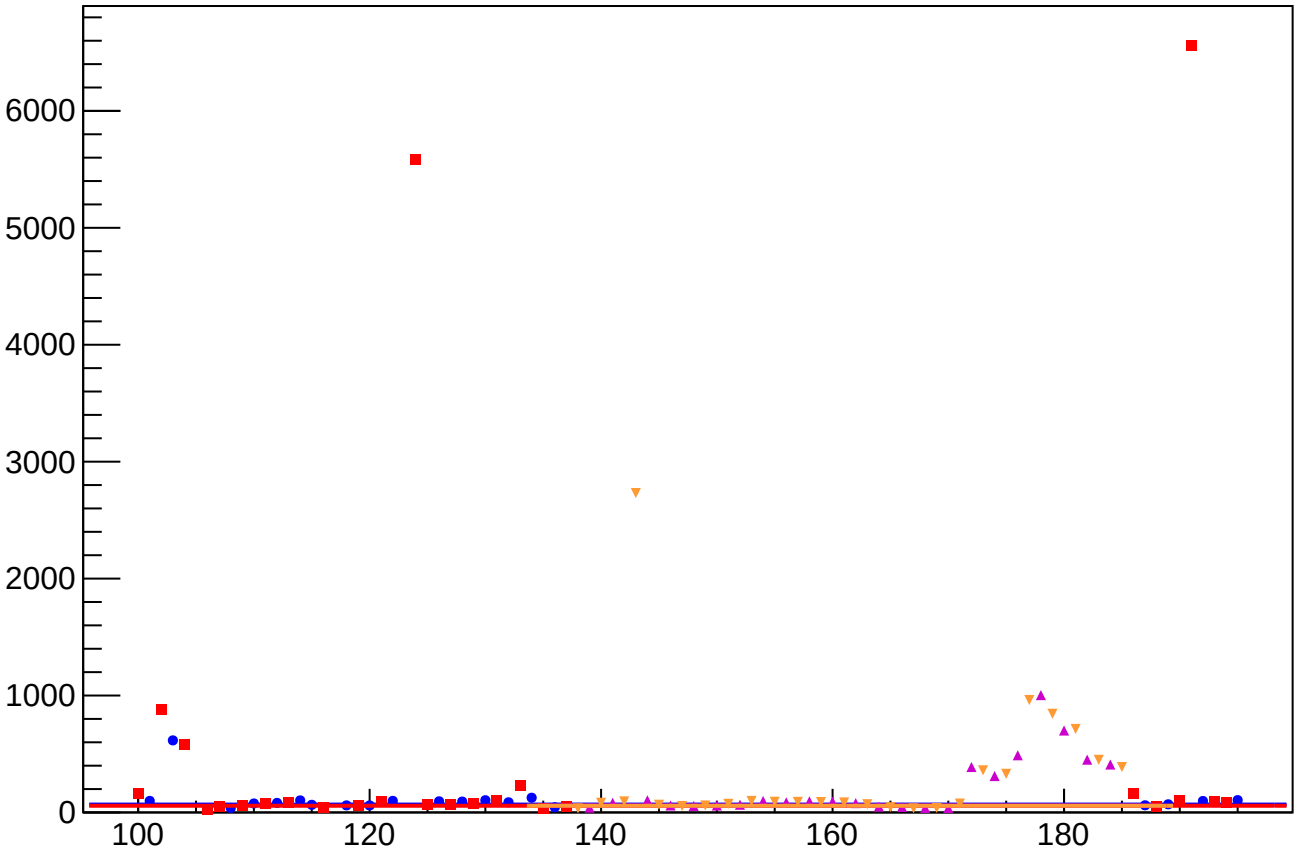
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.016 χ^2/NDF: 38.9/44

In: -0.015+/-0.014 χ^2/NDF:30.2/42

Out: 0.047+/-0.013 χ^2/NDF:46.8/49

All: 0.018+/-0.010 χ^2/NDF: 87.0/92



Right In: 67.420+/-0.017 χ^2/NDF: 2863025.2/19

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 57.363+/-0.015 χ^2/NDF: 5180693.5/24

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

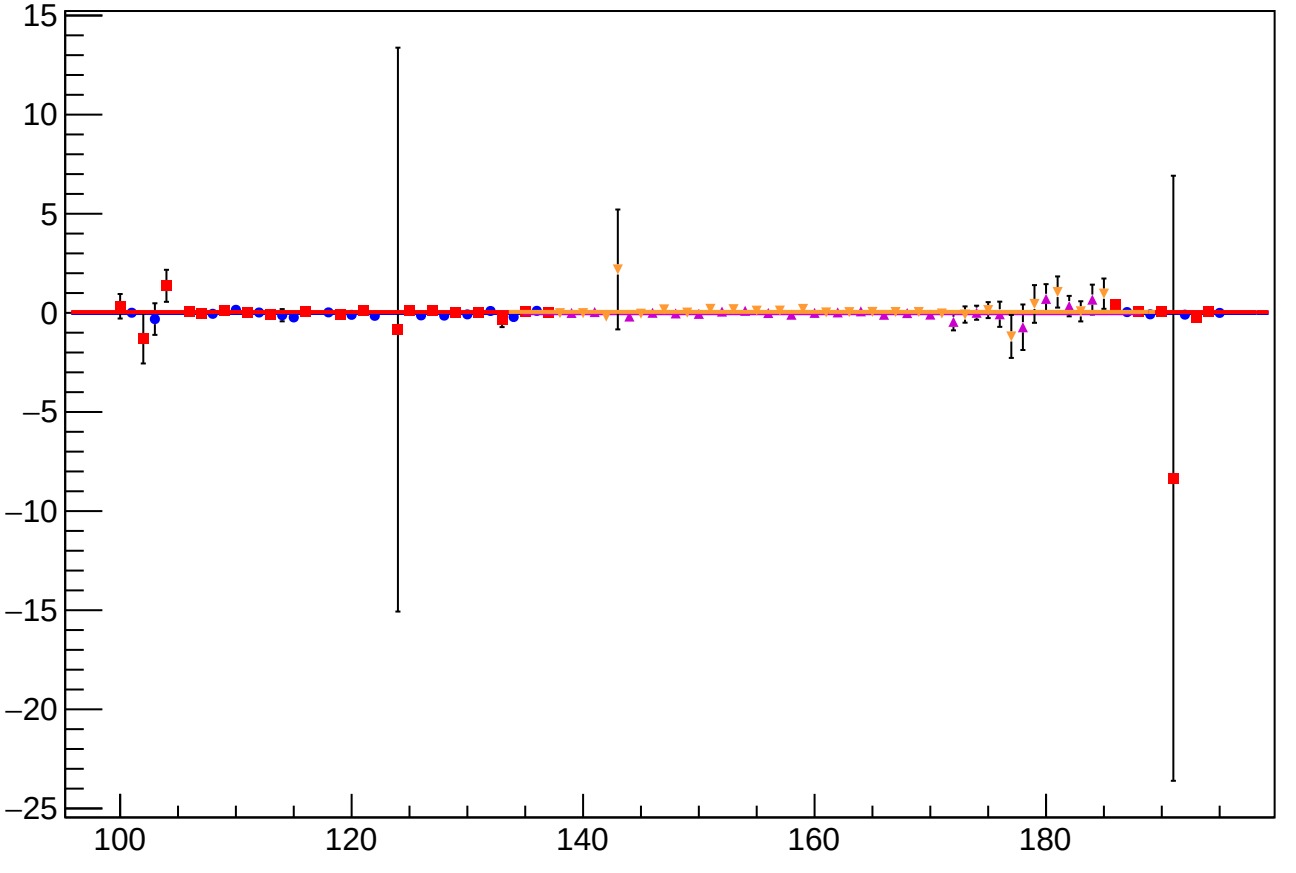
Right: 61.694+/-0.011 χ^2/NDF: 8234506.8/44

In: 61.473+/-0.010 χ^2/NDF:13284319.1/42

Out: 57.299+/-0.009 χ^2/NDF:17502486.1/49

All: 59.274+/-0.007 χ^2/NDF: 30879778.3/92

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/19

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.042+/-0.021 χ^2/NDF: 22.2/24

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

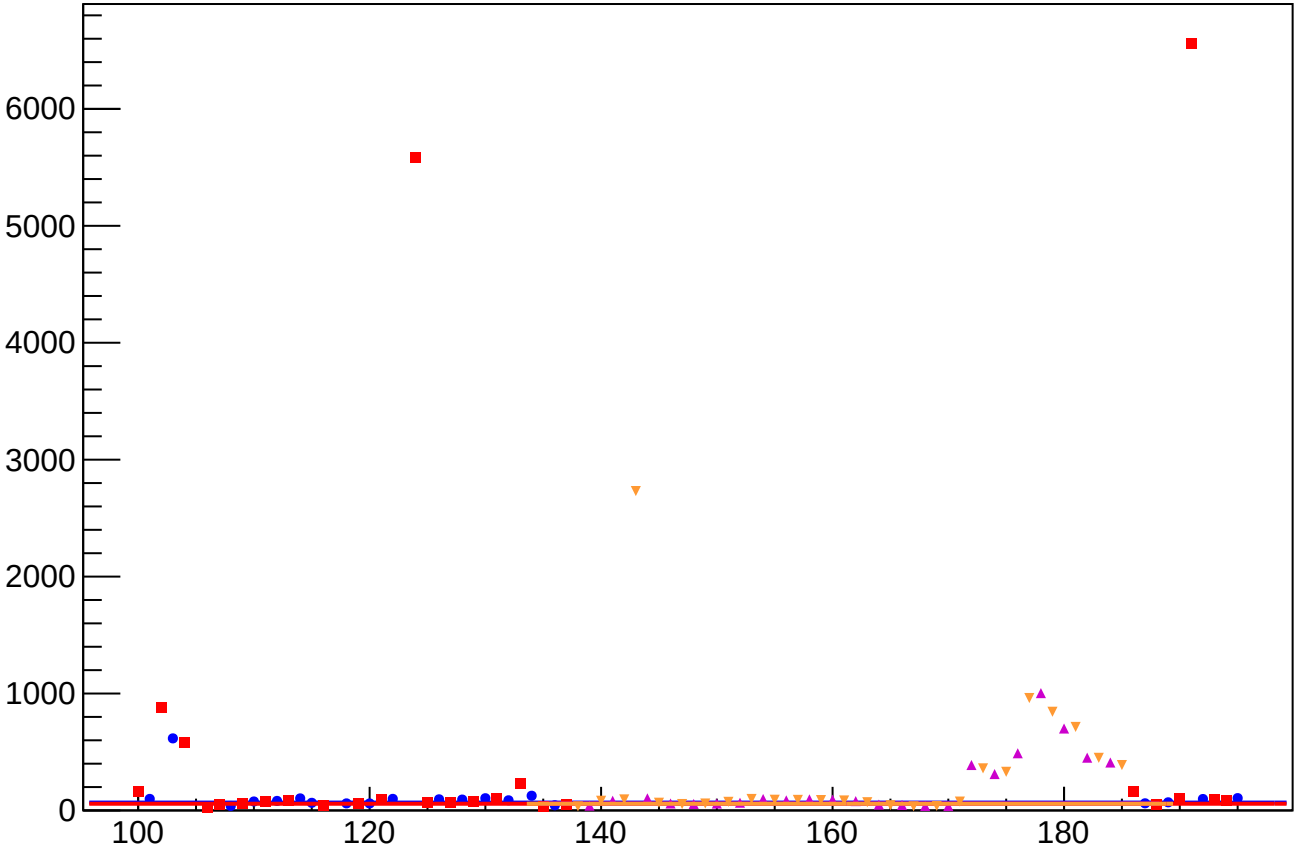
Right: 0.021+/-0.016 χ^2/NDF: 38.9/44

In: -0.015+/-0.014 χ^2/NDF:30.2/42

Out: 0.047+/-0.013 χ^2/NDF:46.8/49

All: 0.018+/-0.010 χ^2/NDF: 87.0/92

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.420+/-0.017 χ^2/NDF: 2863025.2/19

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 57.363+/-0.015 χ^2/NDF: 5180693.5/24

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

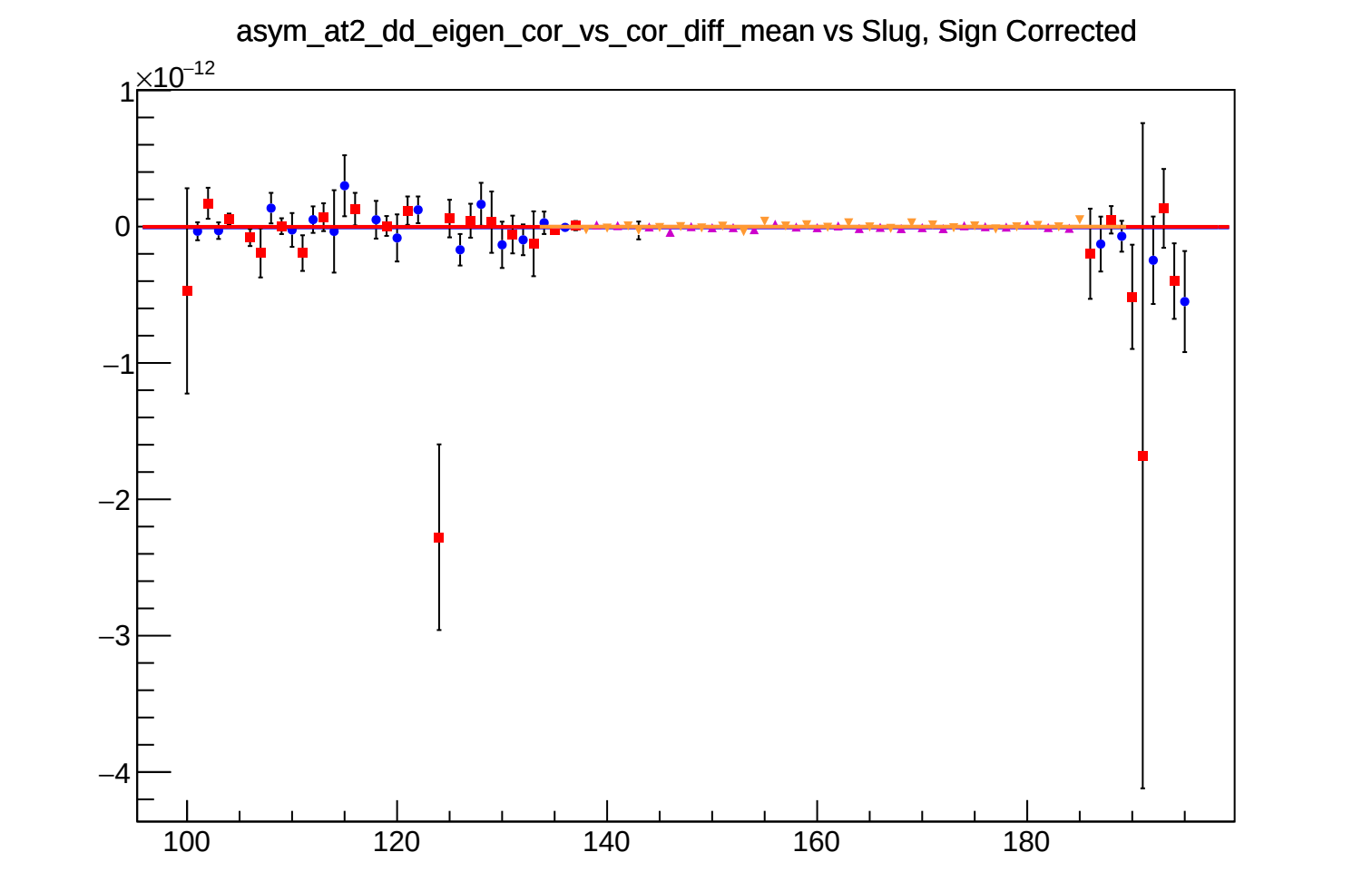
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 61.694+/-0.011 χ^2/NDF: 8234506.8/44

In: 61.473+/-0.010 χ^2/NDF:13284319.1/42

Out: 57.299+/-0.009 χ^2/NDF:17502486.1/49

All: 59.274+/-0.007 χ^2/NDF: 30879778.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 14.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

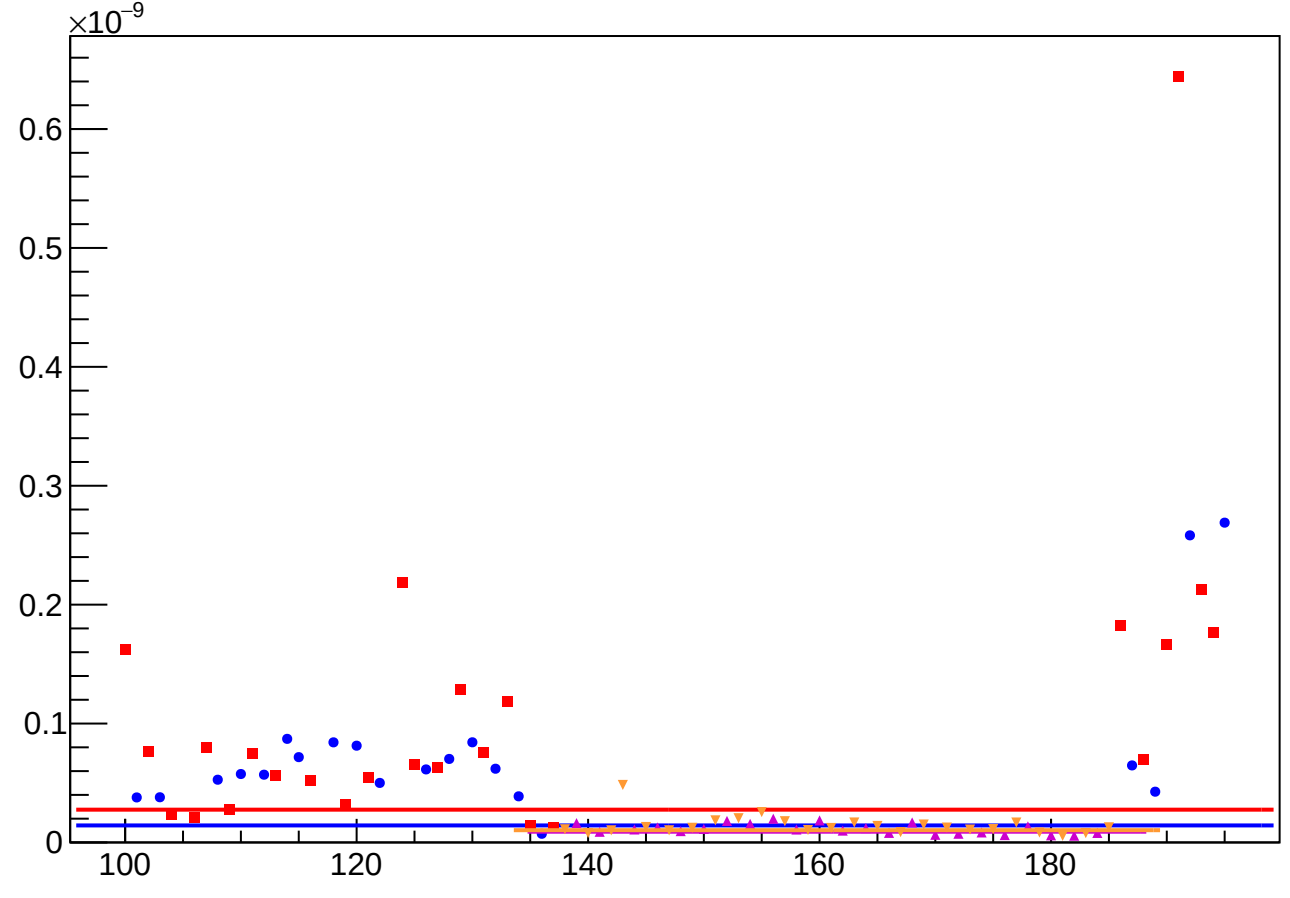
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 44.6/44

In: -0.000+/-0.000 χ^2/NDF:29.8/42

Out: -0.000+/-0.000 χ^2/NDF:49.1/49

All: -0.000+/-0.000 χ^2/NDF: 79.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 7358669.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6218820.6/24

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

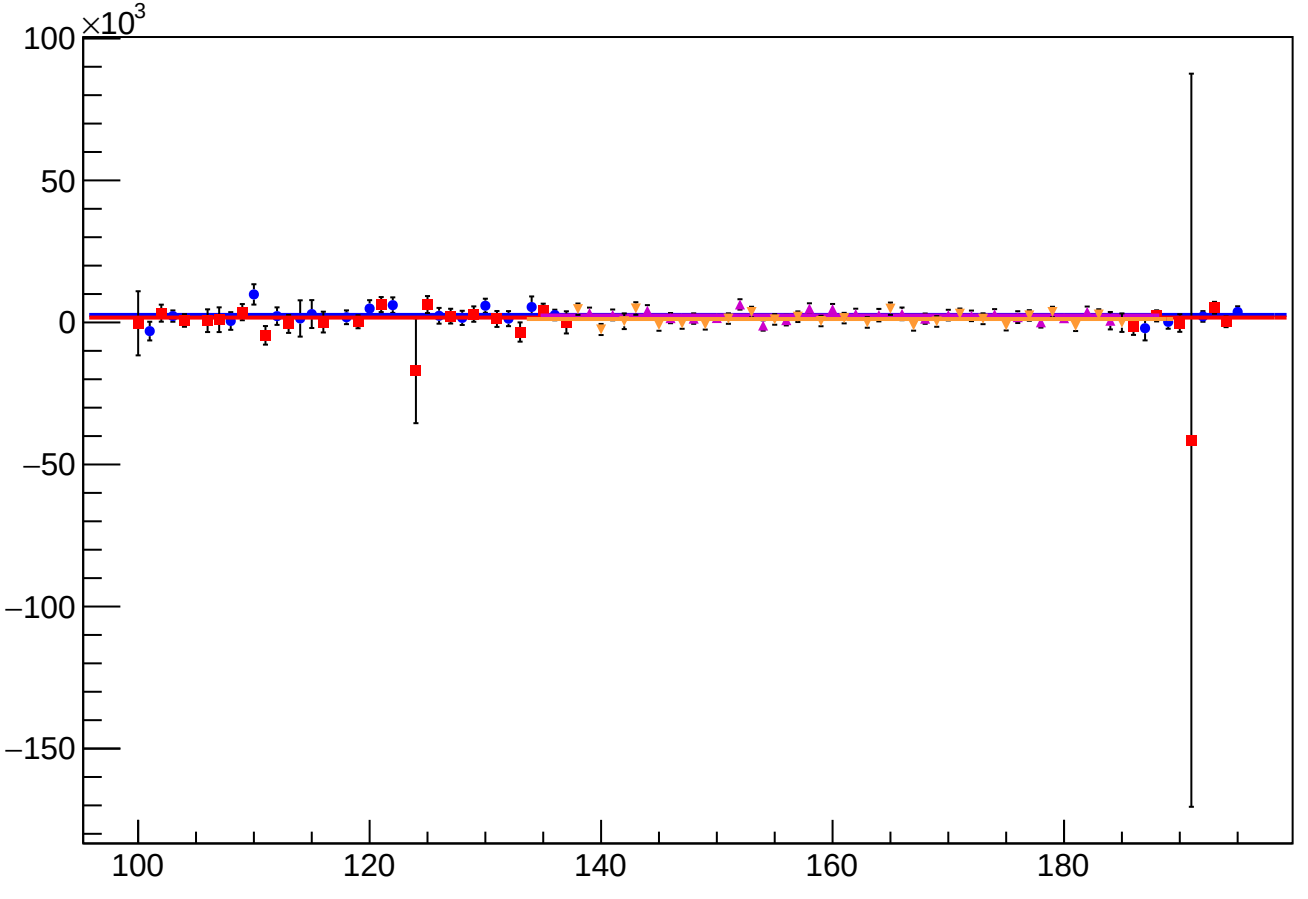
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14663296.5/44

In: 0.000+/-0.000 χ^2/NDF:10903188.7/42

Out: 0.000+/-0.000 χ^2/NDF:12469151.9/49

All: 0.000+/-0.000 χ^2/NDF: 23682101.4/92



Right In: 2648.008+/-594.316 χ^2/NDF: 15.1/19

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1711.362+/-579.544 χ^2/NDF: 20.7/24

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

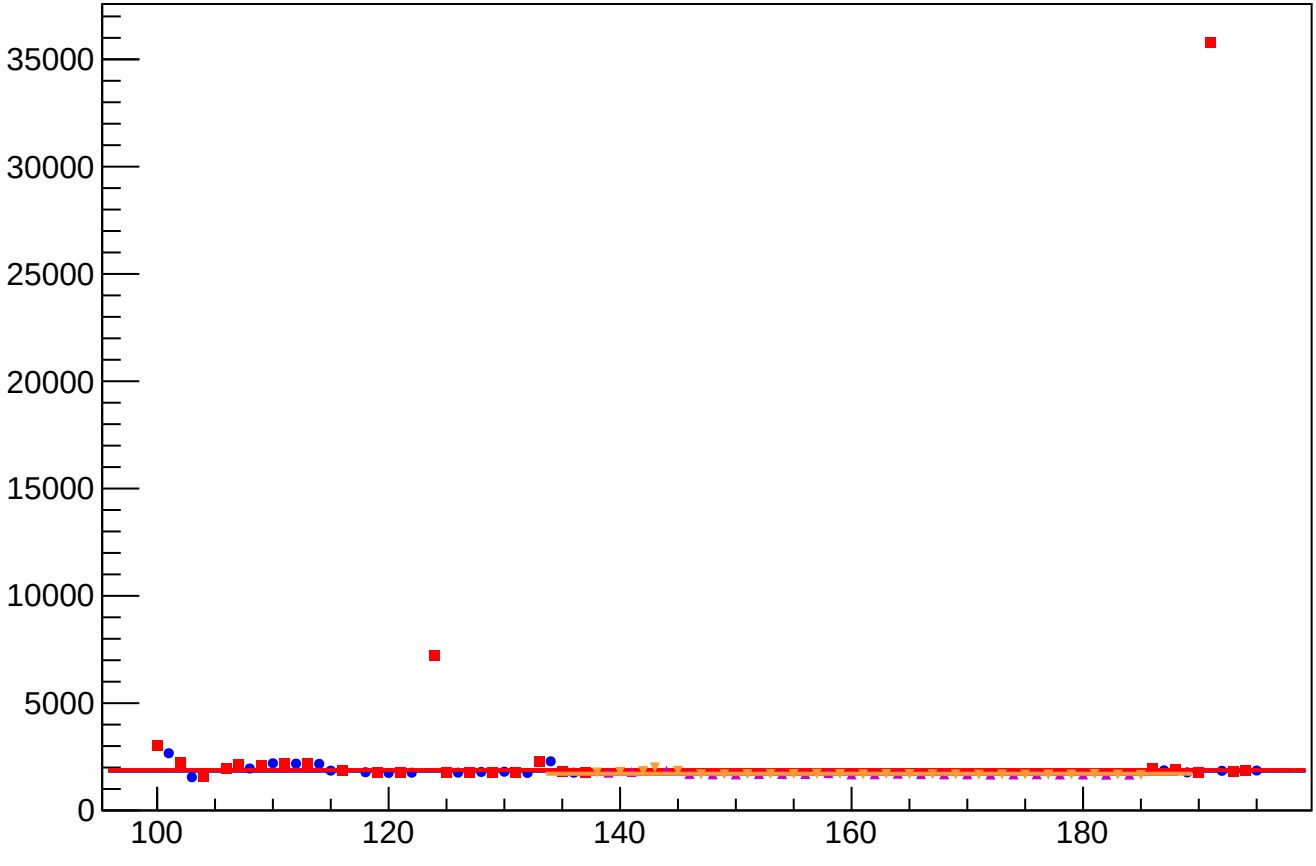
Right: 2167.901+/-414.924 χ^2/NDF: 37.1/44

In: 2503.710+/-330.678 χ^2/NDF:32.7/42

Out: 1360.560+/-323.066 χ^2/NDF:47.6/49

All: 1918.827+/-231.086 χ^2/NDF: 86.4/92

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1849.465+/-0.420 χ^2/NDF: 265508.7/19

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1883.341+/-0.409 χ^2/NDF: 516195.2/24

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

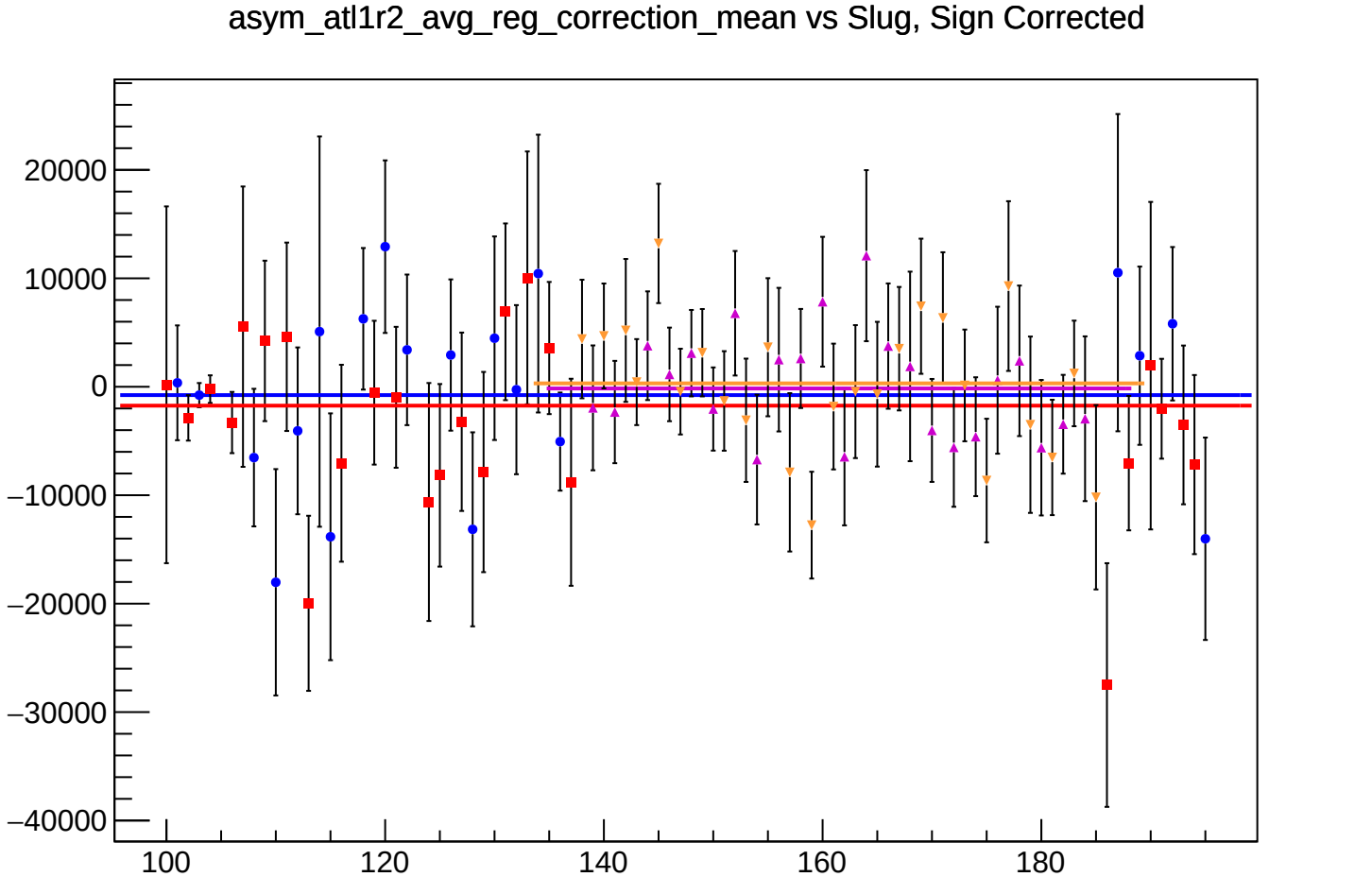
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1866.856+/-0.293 χ^2/NDF: 785039.6/44

In: 1749.012+/-0.234 χ^2/NDF:370835.8/42

Out: 1765.205+/-0.228 χ^2/NDF:697330.8/49

All: 1757.301+/-0.163 χ^2/NDF: 1070621.5/92



Right In: -768.353+/-940.955 χ^2/NDF: 17.5/19

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1741.057+/-873.417 χ^2/NDF: 20.7/24

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

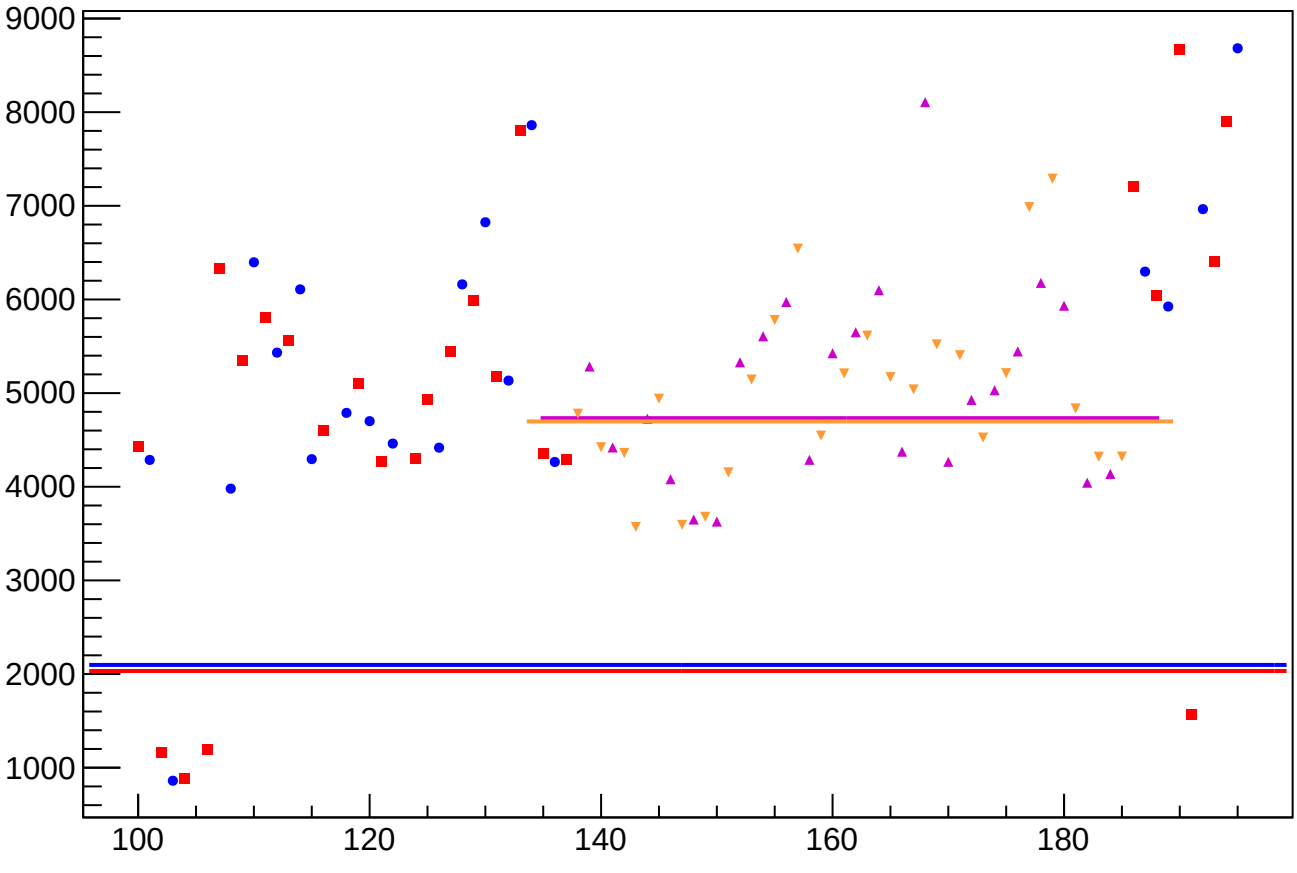
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1290.862+/-640.145 χ^2/NDF: 38.9/44

In: -518.011+/-722.677 χ^2/NDF:32.4/42

Out: -939.247+/-682.074 χ^2/NDF:49.9/49

All: -740.795+/-496.032 χ^2/NDF: 82.5/92



Right In: 2097.408+/-0.665 χ^2/NDF: 9505612.2/19

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2032.911+/-0.618 χ^2/NDF: 10000049.3/24

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

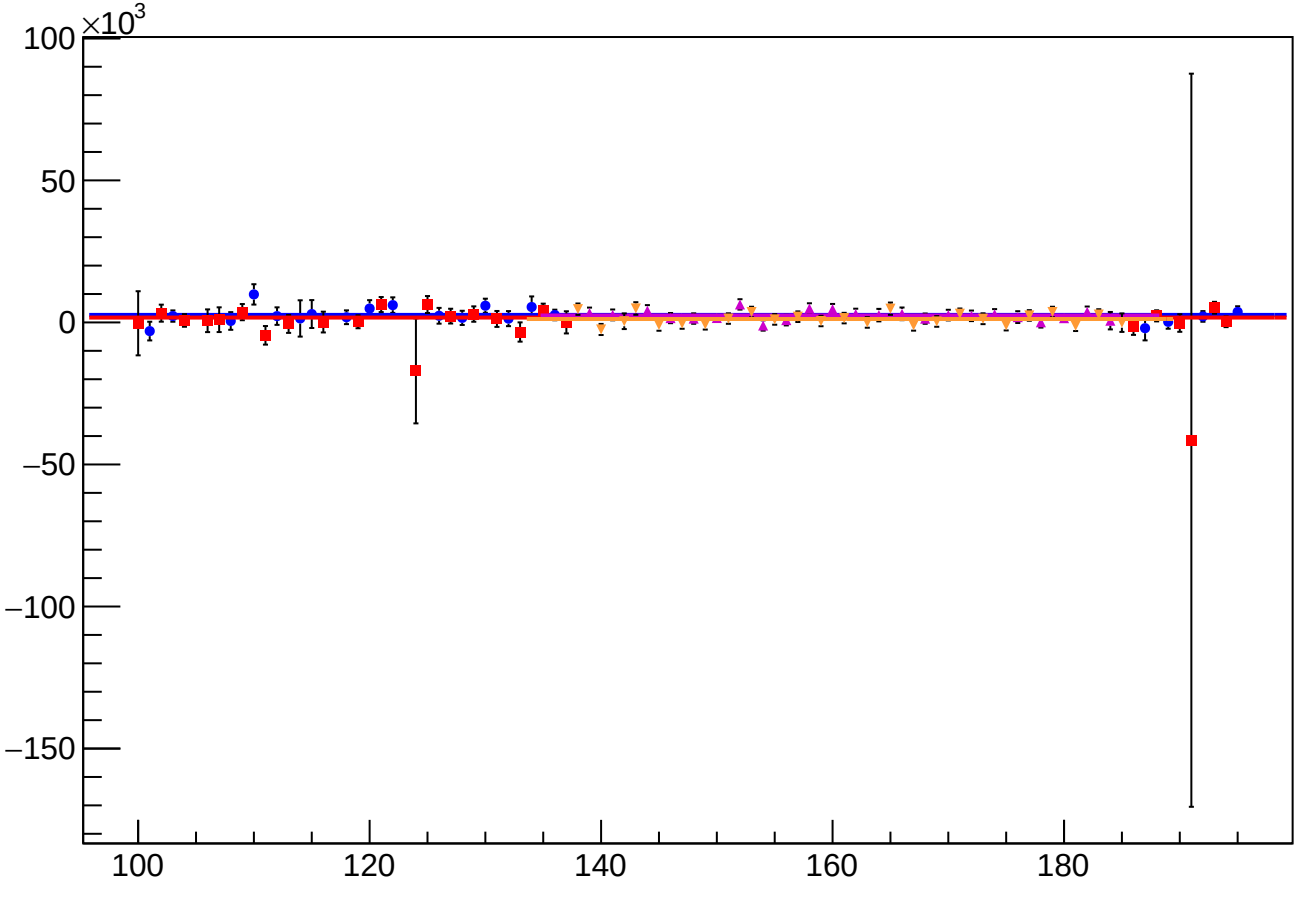
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2062.762+/-0.453 χ^2/NDF: 19510709.2/44

In: 3178.126+/-0.511 χ^2/NDF:17181027.1/42

Out: 3072.560+/-0.482 χ^2/NDF:18502555.0/49

All: 3122.294+/-0.351 χ^2/NDF: 35706153.1/9



Right In: 2648.117+/-594.316 χ^2/NDF: 15.1/19

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1710.452+/-579.545 χ^2/NDF: 20.8/24

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

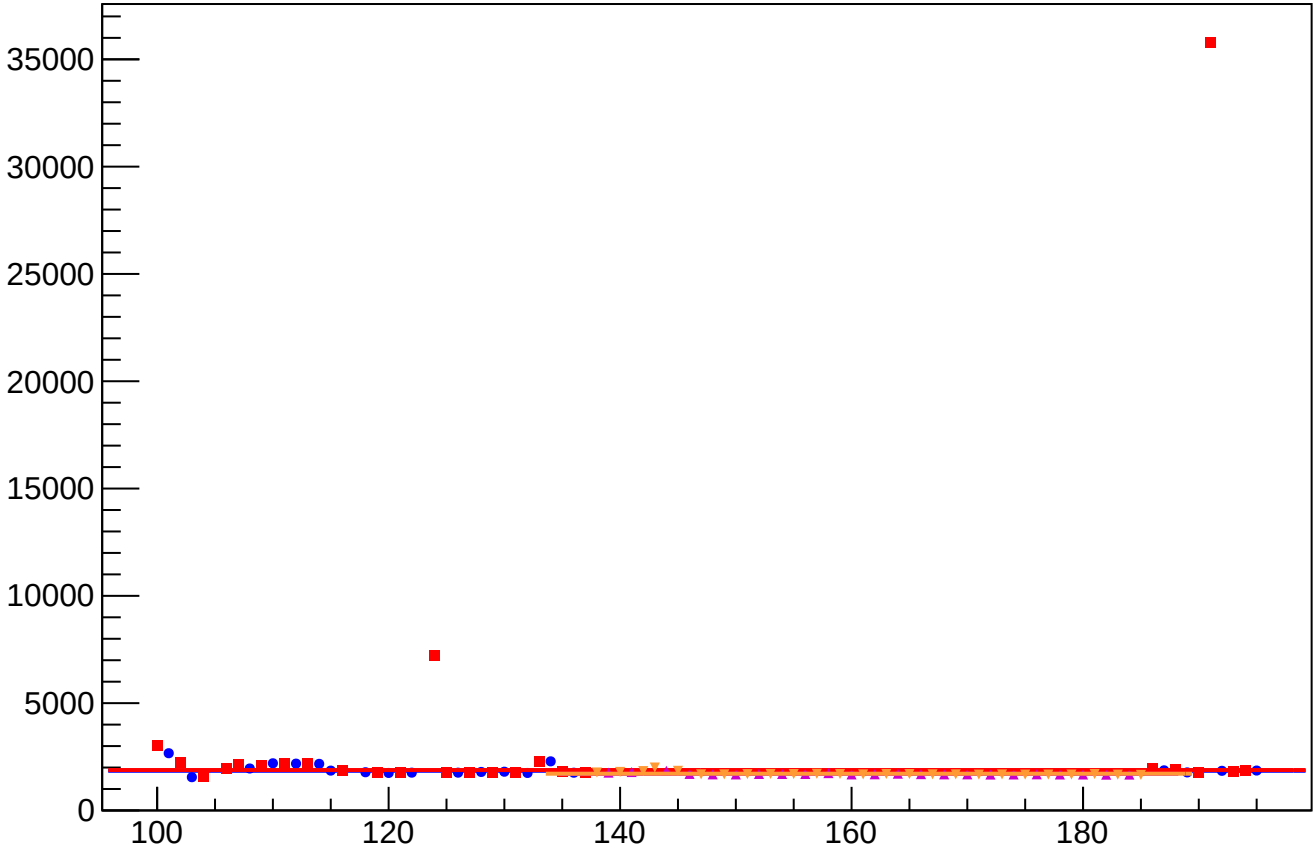
Right: 2167.487+/-414.924 χ^2/NDF: 37.2/44

In: 2503.697+/-330.678 χ^2/NDF:32.7/42

Out: 1360.210+/-323.066 χ^2/NDF:47.6/49

All: 1918.641+/-231.086 χ^2/NDF: 86.4/92

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1849.465+/-0.420 χ^2/NDF: 265508.5/19

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1883.647+/-0.409 χ^2/NDF: 516466.9/24

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

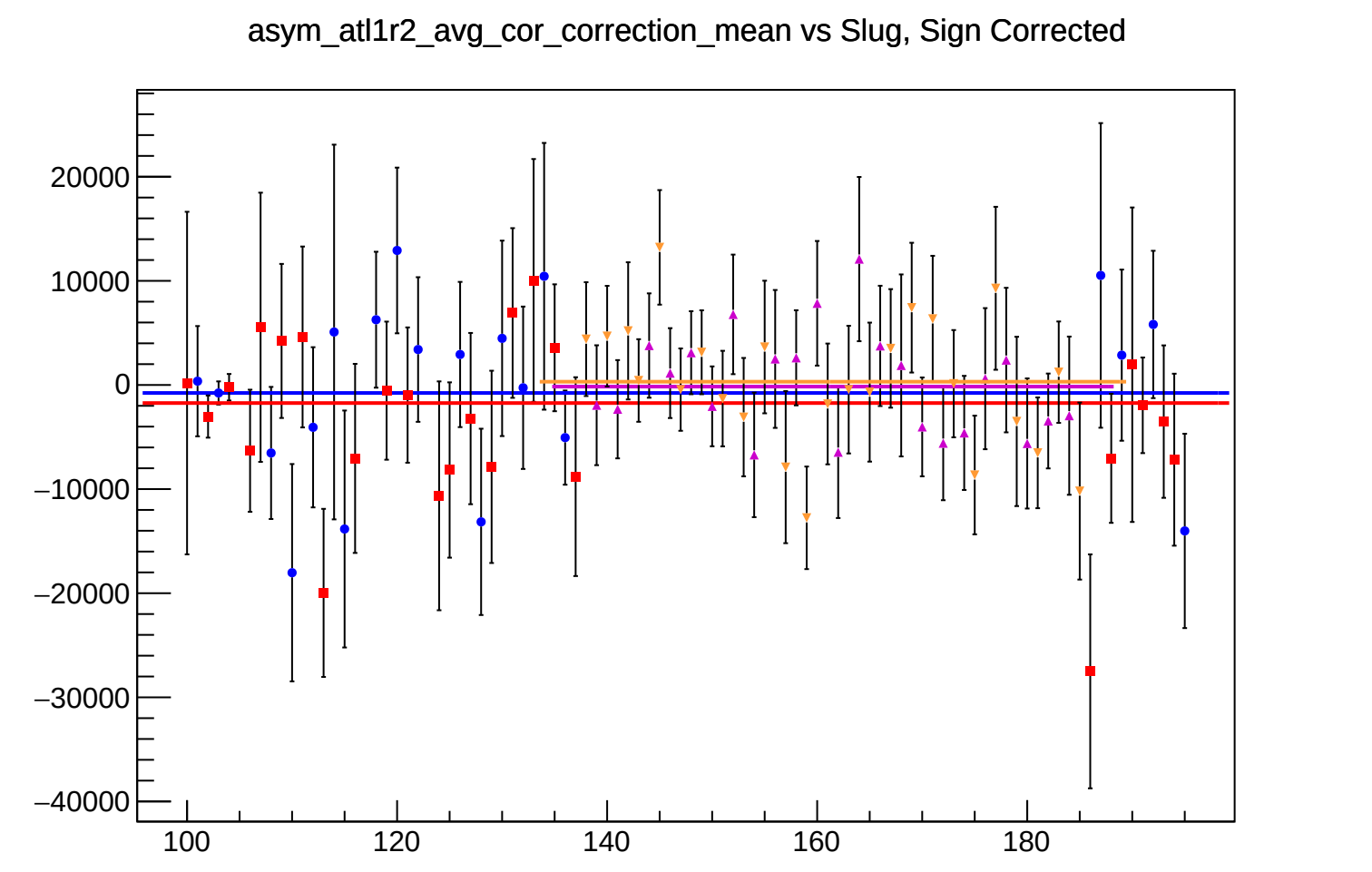
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1867.010+/-0.293 χ^2/NDF: 785371.2/44

In: 1749.012+/-0.234 χ^2/NDF:370835.7/42

Out: 1765.289+/-0.228 χ^2/NDF:698009.2/49

All: 1757.344+/-0.163 χ^2/NDF: 1071325.2/92



Right In: -767.896+/-940.905 χ^2/NDF: 17.5/19

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1735.547+/-901.148 χ^2/NDF: 21.2/24

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

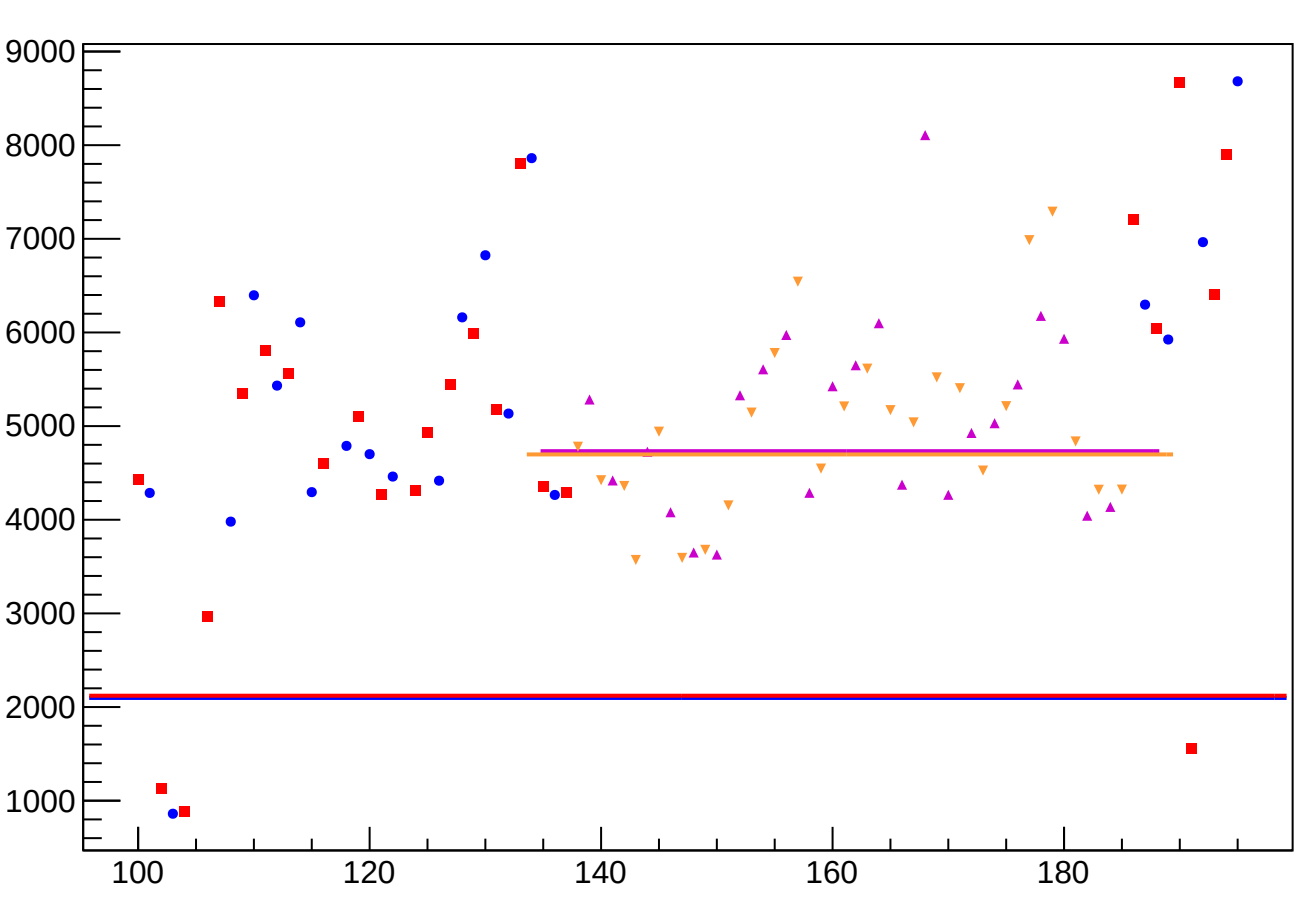
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1272.597+/-650.809 χ^2/NDF: 39.3/44

In: -517.761+/-722.654 χ^2/NDF:32.4/42

Out: -905.187+/-695.037 χ^2/NDF:50.3/49

All: -719.018+/-500.944 χ^2/NDF: 82.9/92



Right In: 2097.238+/-0.665 χ^2/NDF: 9506198.0/19

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2120.996+/-0.637 χ^2/NDF: 9913466.0/24

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

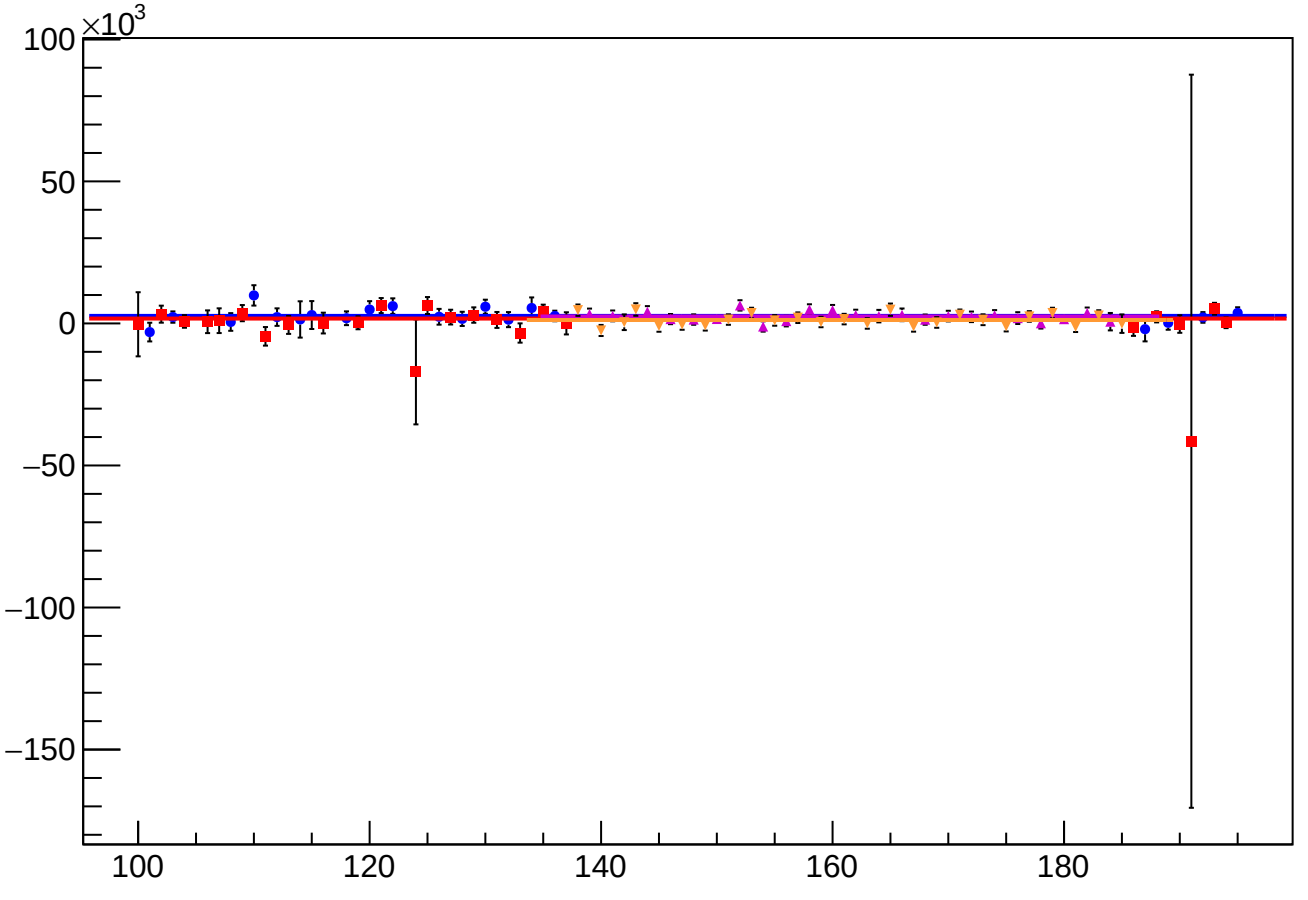
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2109.629+/-0.460 χ^2/NDF: 19420329.2/44

In: 3177.957+/-0.511 χ^2/NDF:17182729.7/42

Out: 3164.854+/-0.491 χ^2/NDF:17777009.6/49

All: 3171.150+/-0.354 χ^2/NDF: 34960080.9/9



Right In: 2648.117+/-594.316 χ^2/NDF: 15.1/19

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1710.452+/-579.545 χ^2/NDF: 20.8/24

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

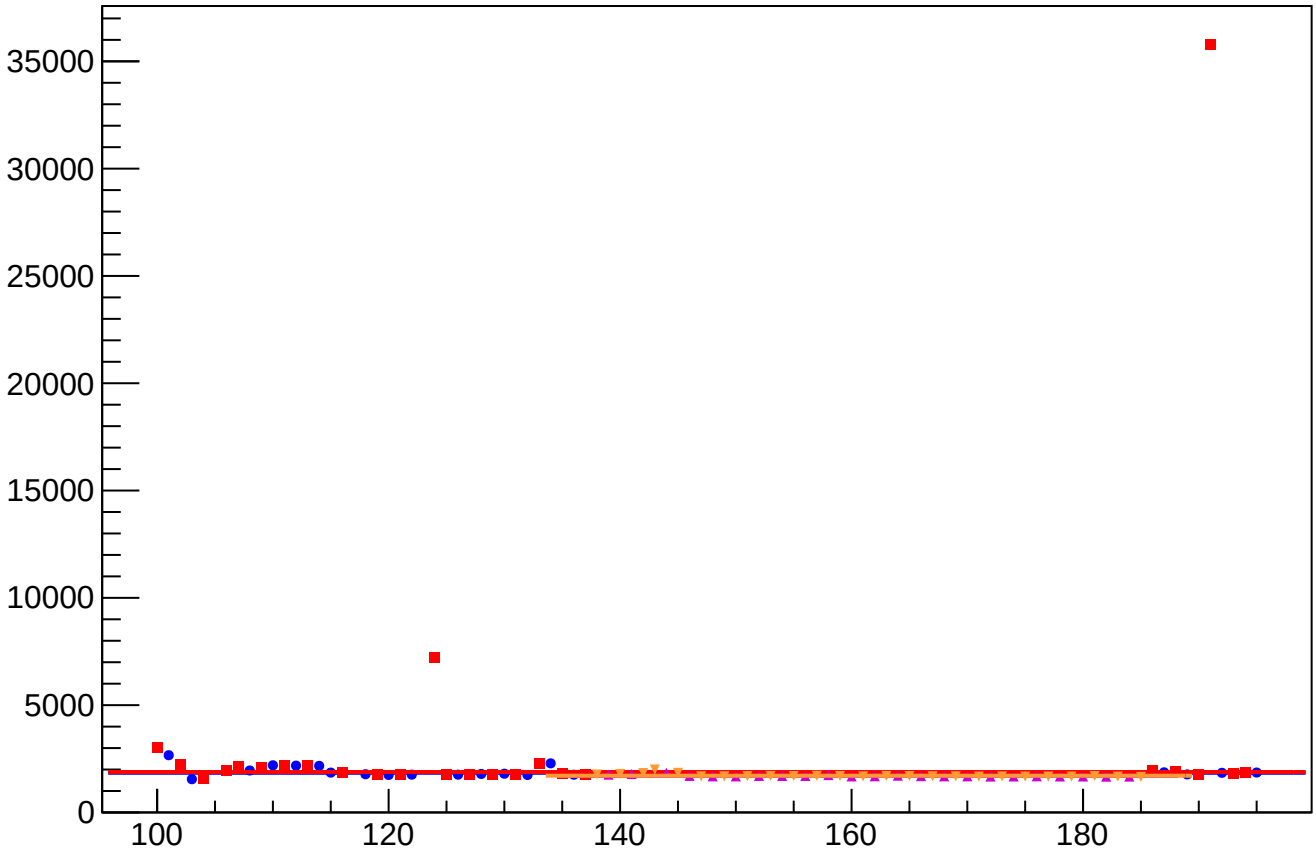
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2167.487+/-414.924 χ^2/NDF: 37.2/44

In: 2503.697+/-330.678 χ^2/NDF:32.7/42

Out: 1360.210+/-323.066 χ^2/NDF:47.6/49

All: 1918.641+/-231.086 χ^2/NDF: 86.4/92



Right In: 1849.465+/-0.420 χ^2/NDF: 265508.5/19

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1883.647+/-0.409 χ^2/NDF: 516466.9/24

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

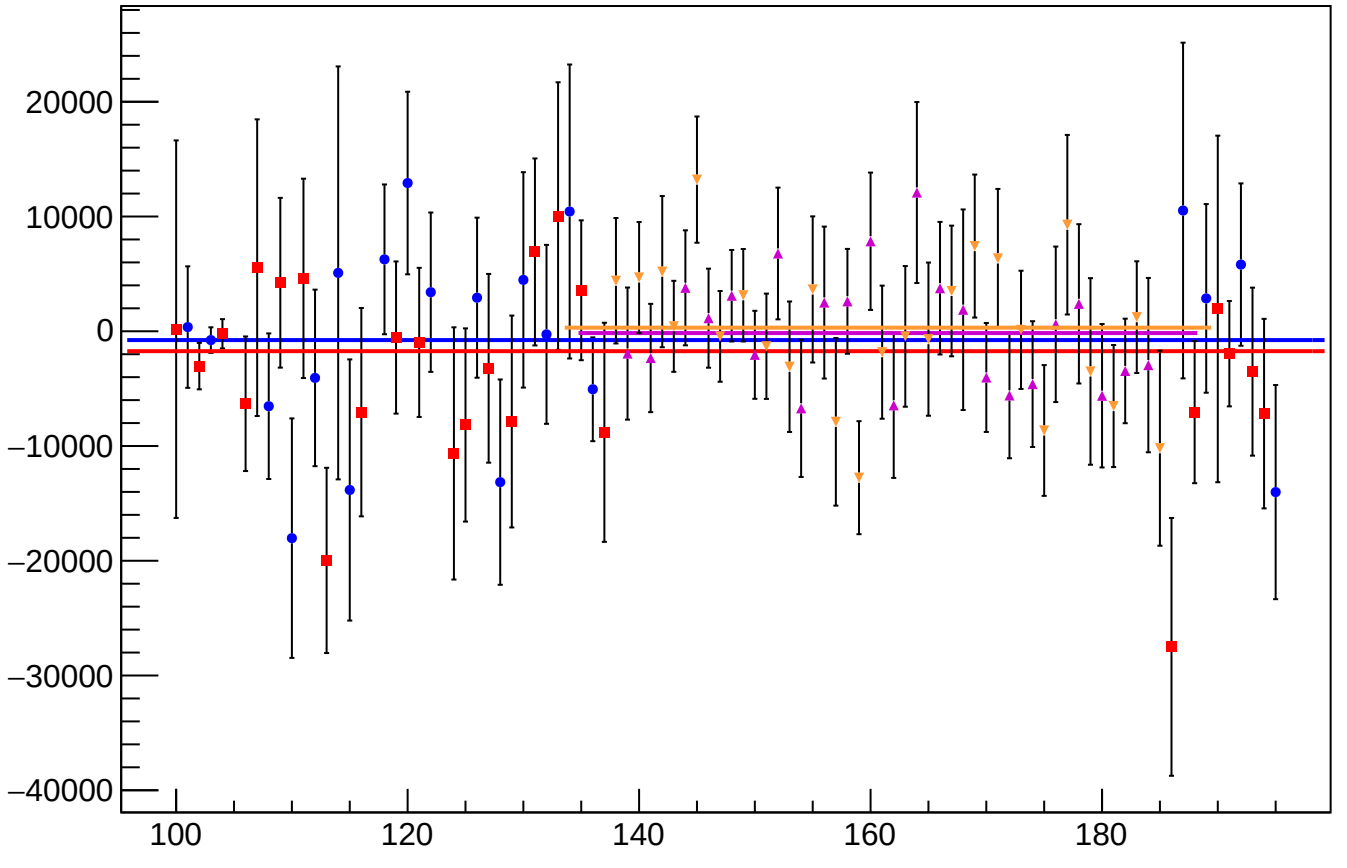
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1867.010+/-0.293 χ^2/NDF: 785371.2/44

In: 1749.012+/-0.234 χ^2/NDF:370835.7/42

Out: 1765.289+/-0.228 χ^2/NDF:698009.2/49

All: 1757.344+/-0.163 χ^2/NDF: 1071325.2/92



Right In: -767.896+/-940.905 χ^2/NDF: 17.5/19

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1735.547+/-901.148 χ^2/NDF: 21.2/24

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

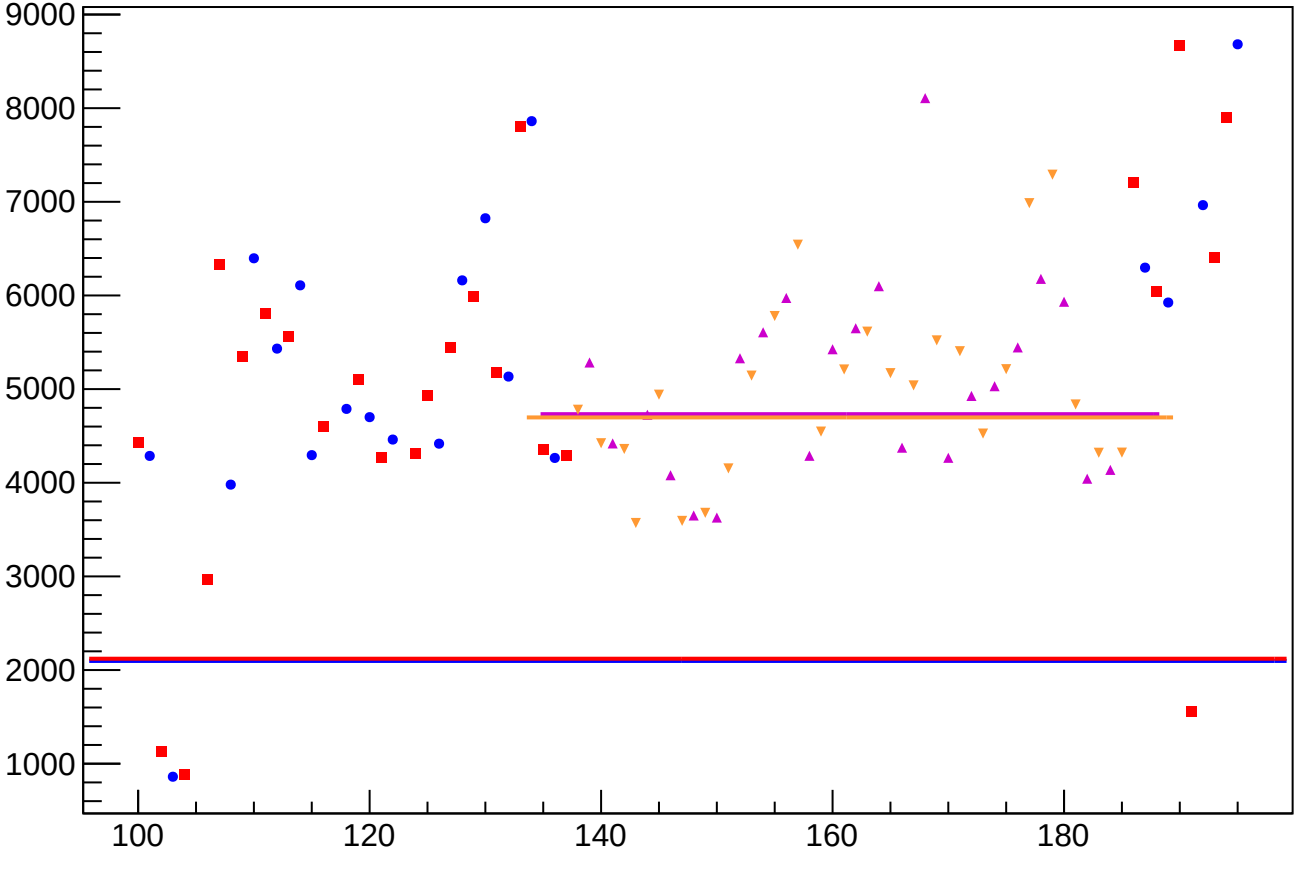
Right: -1272.597+/-650.809 χ^2/NDF: 39.3/44

In: -517.761+/-722.654 χ^2/NDF:32.4/42

Out: -905.187+/-695.037 χ^2/NDF:50.3/49

All: -719.018+/-500.944 χ^2/NDF: 82.9/92

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2097.238+/-0.665 χ^2/NDF: 9506198.0/19

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2120.996+/-0.637 χ^2/NDF: 9913466.0/24

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

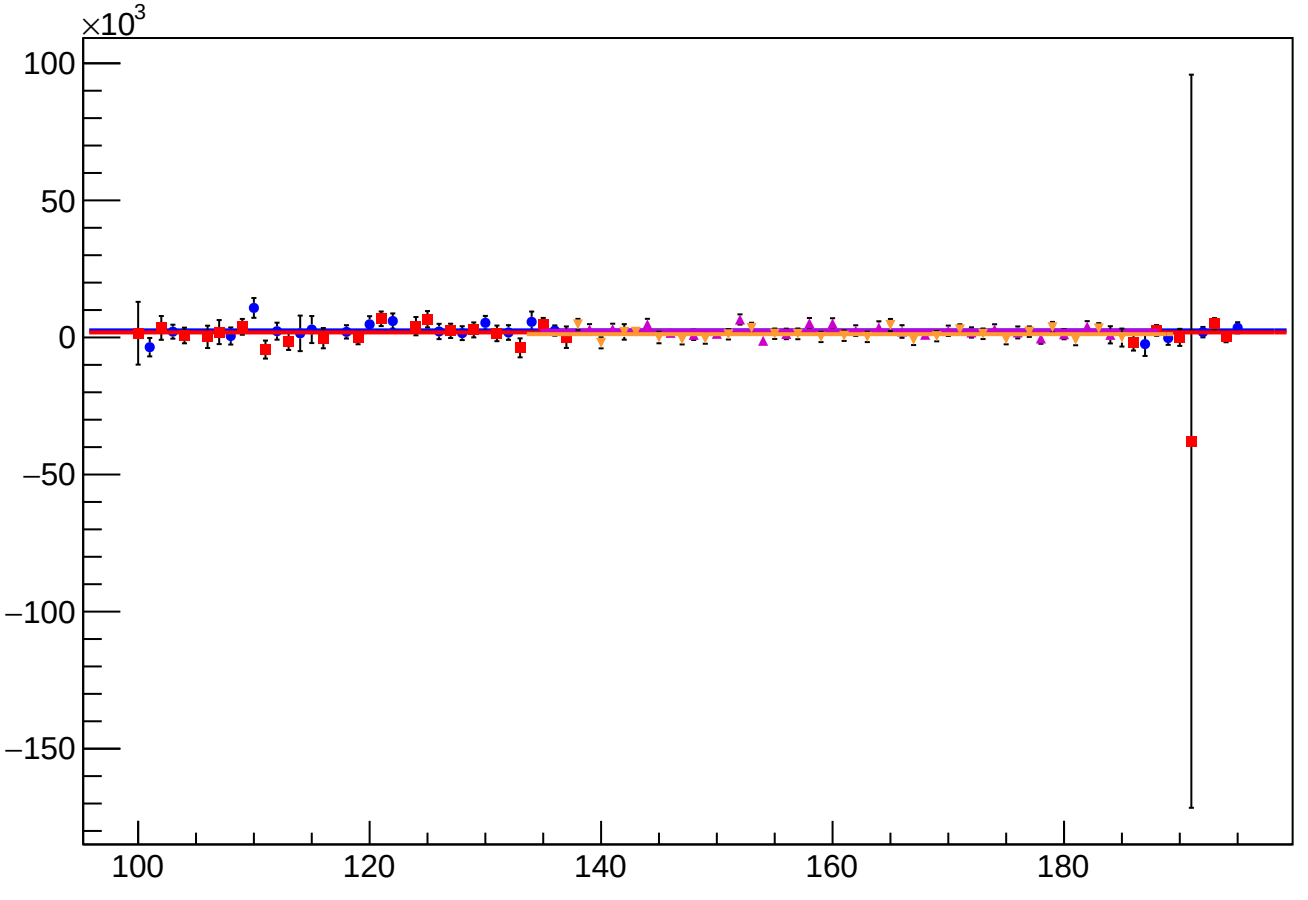
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2109.629+/-0.460 χ^2/NDF: 19420329.2/44

In: 3177.957+/-0.511 χ^2/NDF:17182729.7/42

Out: 3164.854+/-0.491 χ^2/NDF:17777009.6/49

All: 3171.150+/-0.354 χ^2/NDF: 34960080.9/9



Right In: 2585.458+/-611.261 χ^2/NDF: 16.2/19

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1831.830+/-589.205 χ^2/NDF: 22.2/24

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

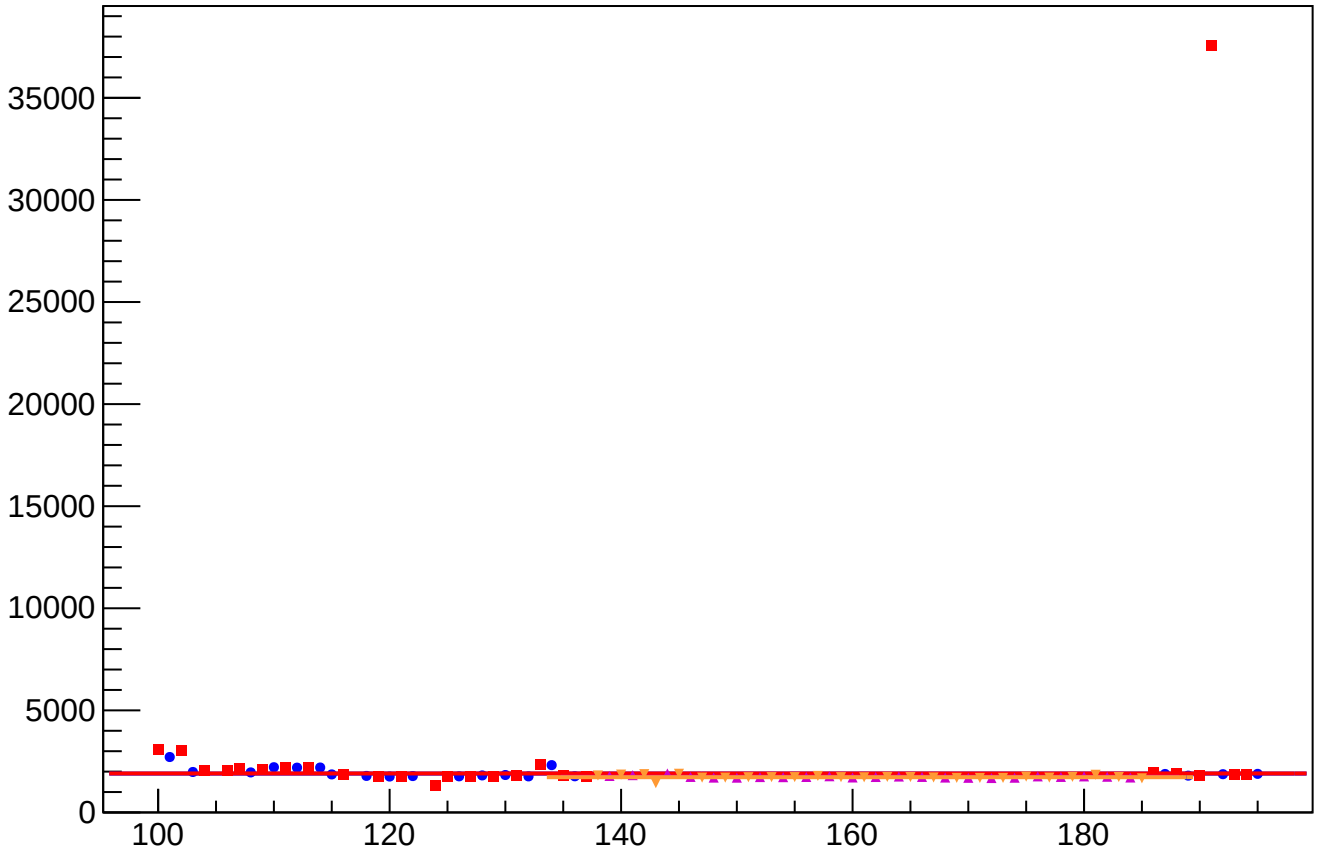
Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

Right: 2194.802+/-424.214 χ^2/NDF: 39.2/44

In: 2483.421+/-339.092 χ^2/NDF:36.8/42

Out: 1392.705+/-326.935 χ^2/NDF:42.5/49

All: 1918.160+/-235.358 χ^2/NDF: 84.7/92



Right In: 1903.502+/-0.432 χ^2/NDF: 220332.3/19

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1910.218+/-0.416 χ^2/NDF: 497901.1/24

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

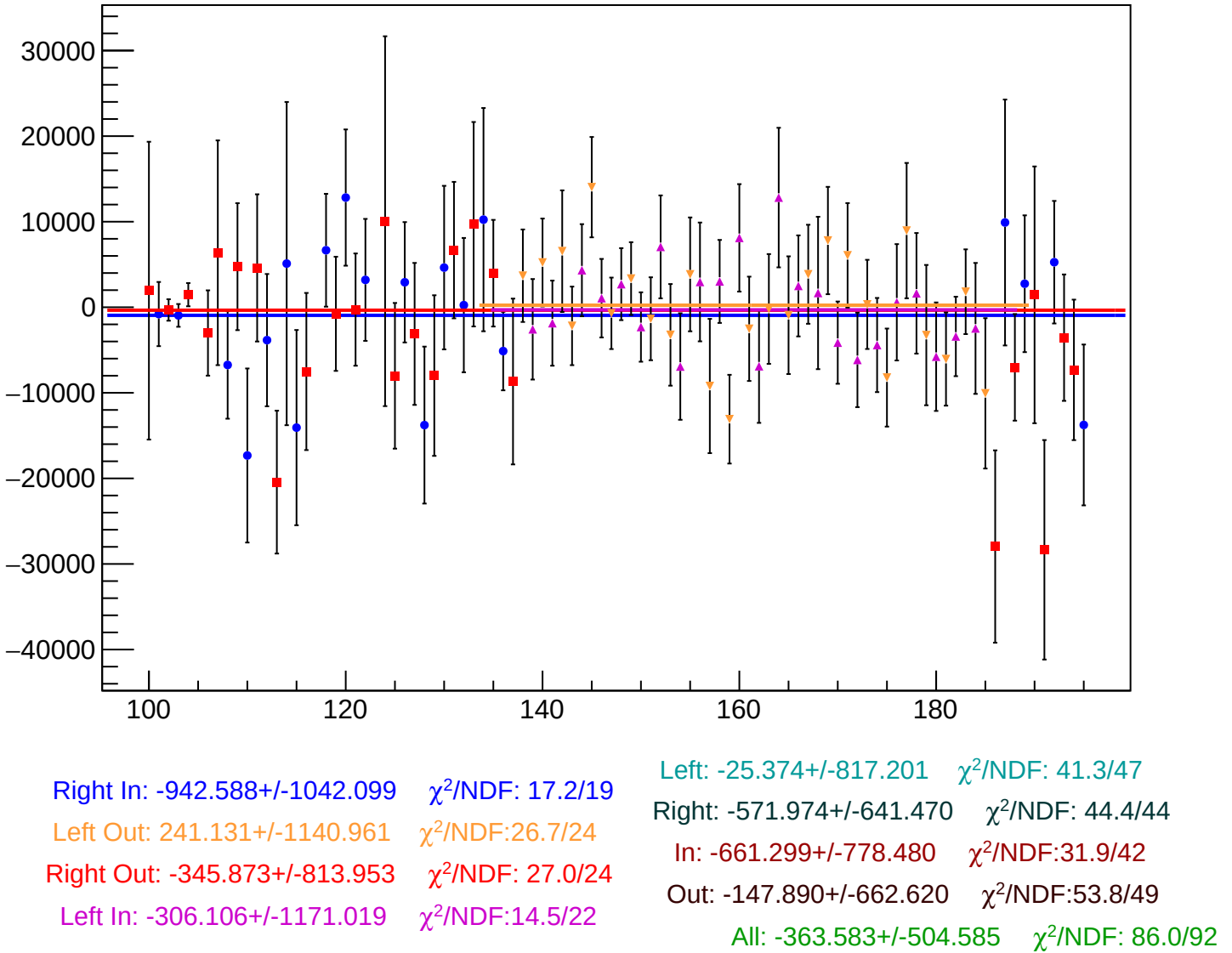
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

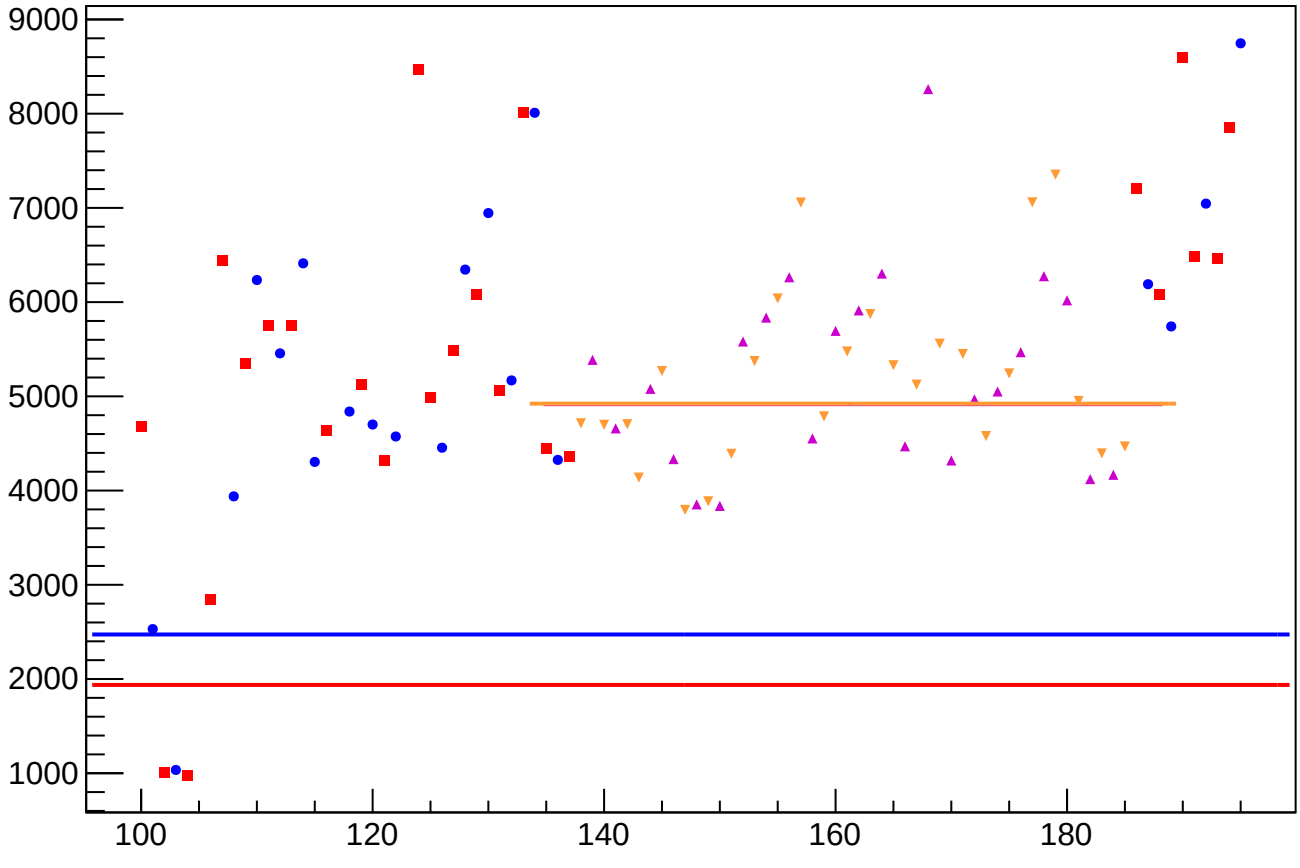
Right: 1906.985+/-0.300 χ^2/NDF: 718358.6/44

In: 1793.523+/-0.240 χ^2/NDF:340655.4/42

Out: 1783.615+/-0.231 χ^2/NDF:741777.5/49

All: 1788.388+/-0.166 χ^2/NDF: 1083317.9/92


asym_atl1r2_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -942.588+/-1042.099 χ²/NDF: 17.2/19
Left Out: 241.131+/-1140.961 χ²/NDF:26.7/24
Right Out: -345.873+/-813.953 χ²/NDF: 27.0/24
Left In: -306.106+/-1171.019 χ²/NDF:14.5/22
Left: -25.374+/-817.201 χ²/NDF: 41.3/47
Right: -571.974+/-641.470 χ²/NDF: 44.4/44
In: -661.299+/-778.480 χ²/NDF:31.9/42
Out: -147.890+/-662.620 χ²/NDF:53.8/49
All: -363.583+/-504.585 χ²/NDF: 86.0/92



Right In: 2472.682+/-0.737 χ^2/NDF: 7795033.2/19

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1937.146+/-0.576 χ^2/NDF: 10813099.0/24

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

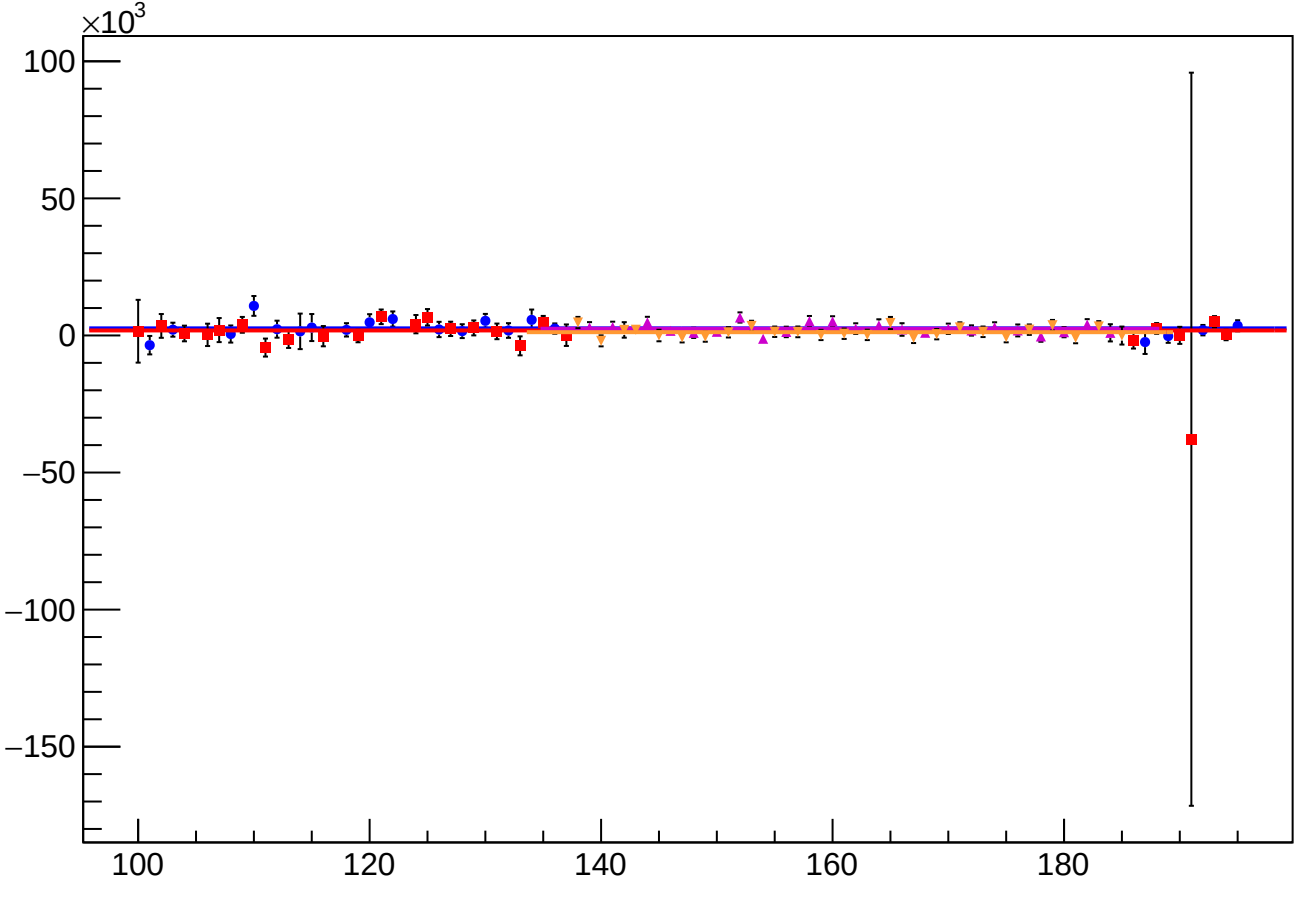
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2140.066+/-0.454 χ^2/NDF: 18936185.1/44

In: 3552.918+/-0.550 χ^2/NDF:13819433.0/42

Out: 2944.000+/-0.469 χ^2/NDF:20937045.5/49

All: 3199.819+/-0.357 χ^2/NDF: 35466041.4/9



Right In: 2585.457+/-611.261 χ^2/NDF: 16.2/19

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1831.833+/-589.205 χ^2/NDF: 22.2/24

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

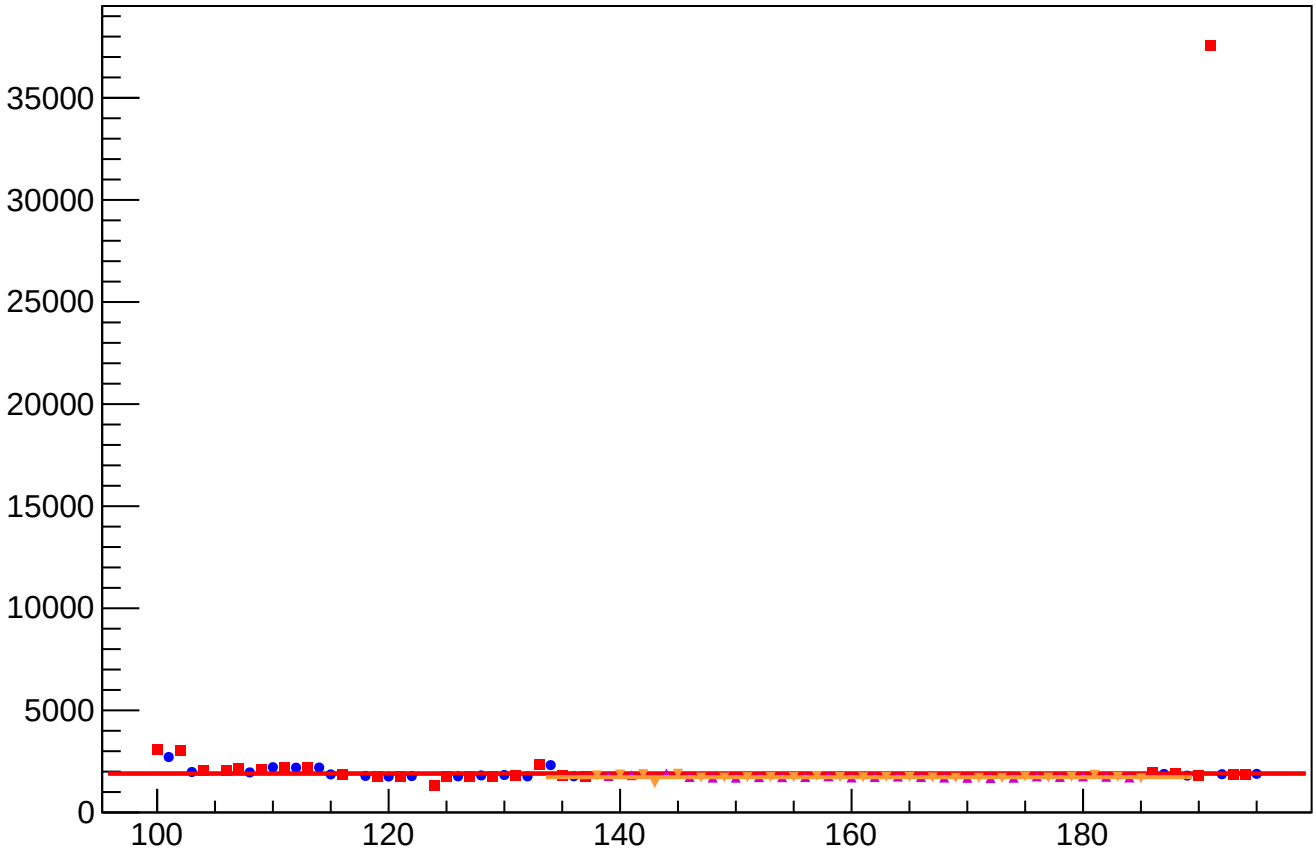
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2194.803+/-424.214 χ^2/NDF: 39.2/44

In: 2483.421+/-339.092 χ^2/NDF:36.8/42

Out: 1392.702+/-326.935 χ^2/NDF:42.5/49

All: 1918.159+/-235.358 χ^2/NDF: 84.7/92



Right In: 1903.502+/-0.432 χ^2/NDF: 220332.5/19

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1910.217+/-0.416 χ^2/NDF: 497900.0/24

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

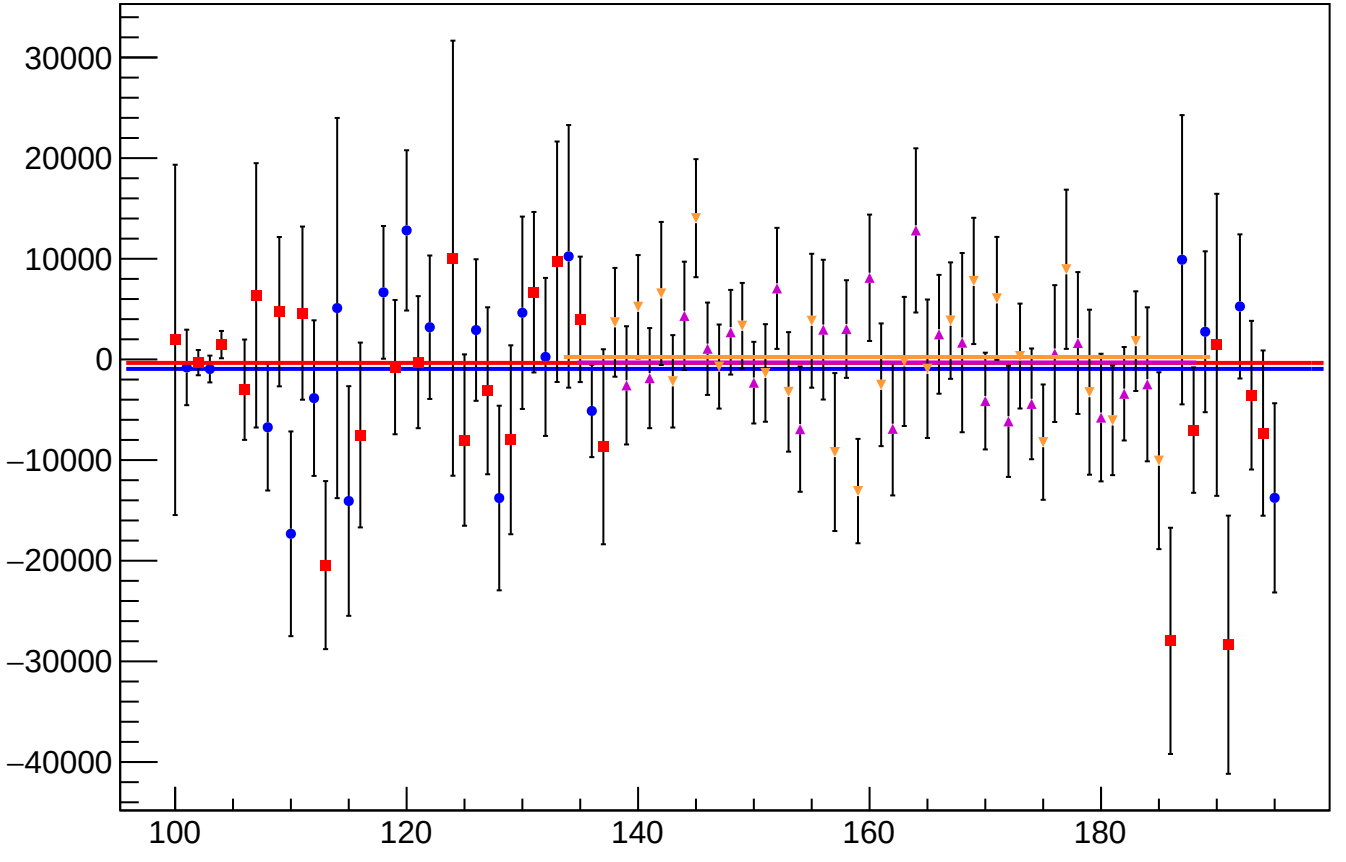
Right: 1906.985+/-0.300 χ^2/NDF: 718357.7/44

In: 1793.523+/-0.240 χ^2/NDF:340653.9/42

Out: 1783.616+/-0.231 χ^2/NDF:741773.8/49

All: 1788.388+/-0.166 χ^2/NDF: 1083312.7/92

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -942.585+/-1042.098 χ^2/NDF: 17.2/19

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -345.878+/-813.952 χ^2/NDF: 27.0/24

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

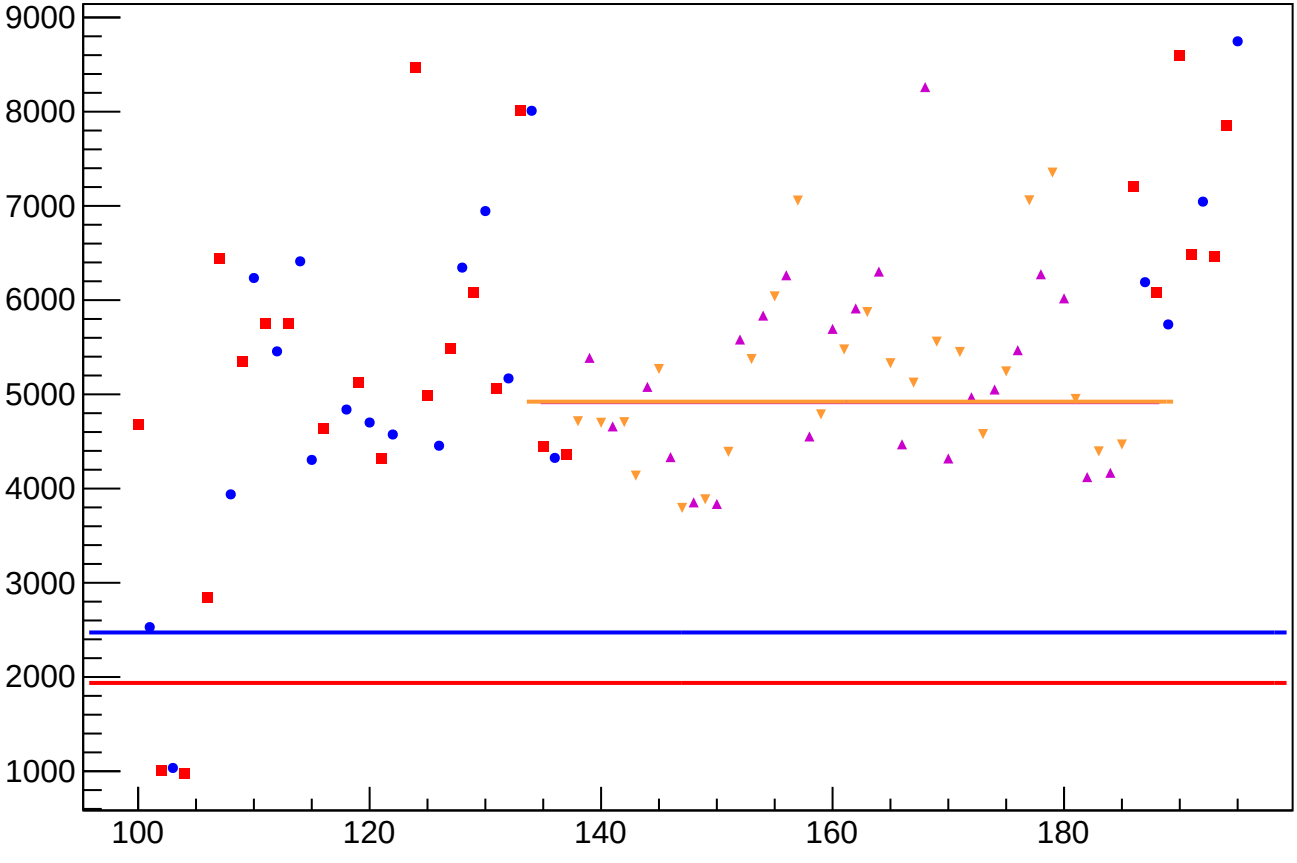
Right: -571.976+/-641.470 χ^2/NDF: 44.4/44

In: -661.299+/-778.481 χ^2/NDF:31.9/42

Out: -147.894+/-662.620 χ^2/NDF:53.8/49

All: -363.585+/-504.585 χ^2/NDF: 86.0/92

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2472.681+/-0.737 χ^2/NDF: 7795029.8/19

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1937.146+/-0.576 χ^2/NDF: 10813091.7/24

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

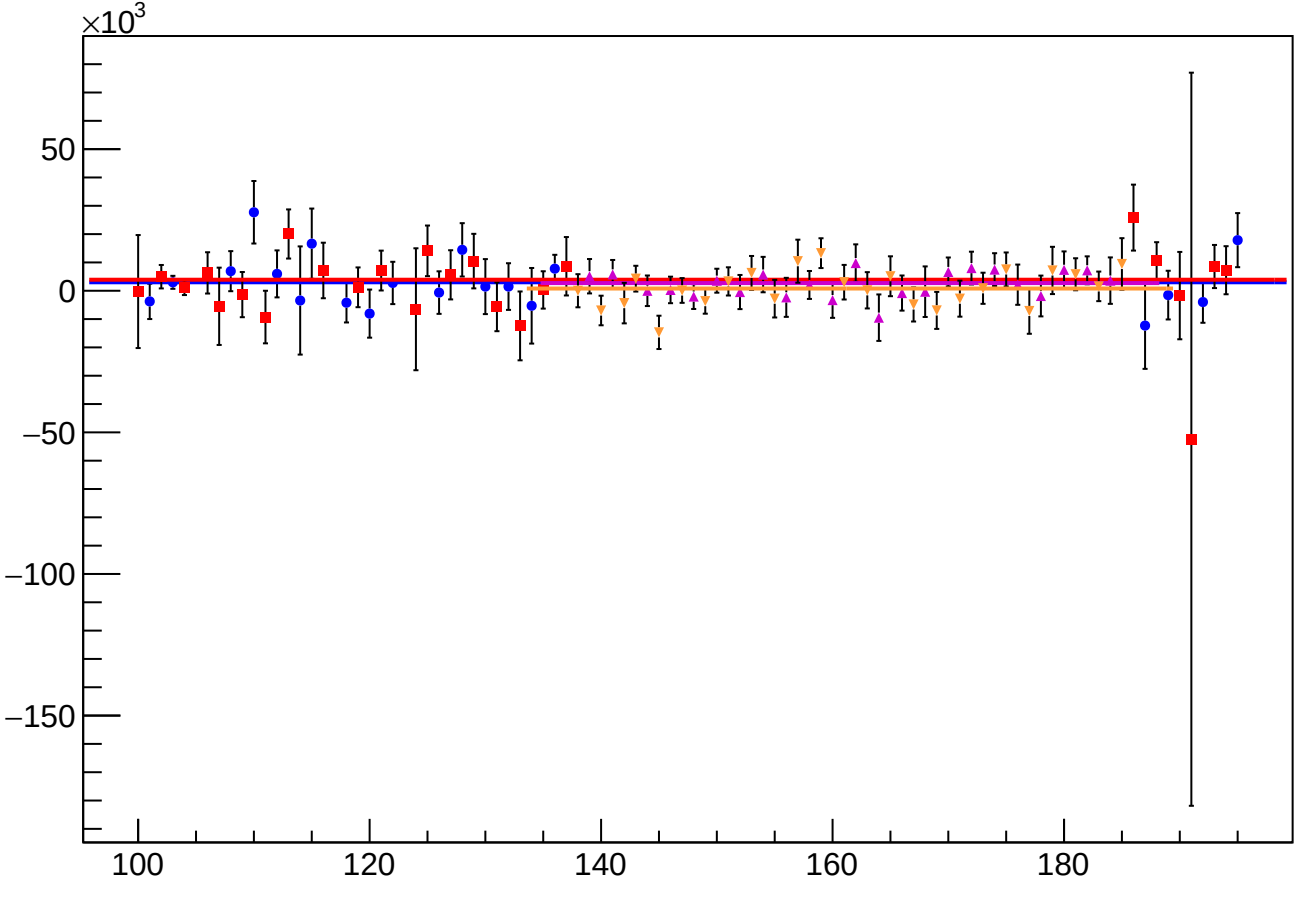
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2140.065+/-0.454 χ^2/NDF: 18936174.0/44

In: 3552.918+/-0.550 χ^2/NDF:13819462.4/42

Out: 2944.000+/-0.469 χ^2/NDF:20937075.7/49

All: 3199.818+/-0.357 χ^2/NDF: 35466102.0/9



Right In: 2993.294+/-1459.436 χ^2/NDF: 18.4/19

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3896.334+/-1441.255 χ^2/NDF: 19.3/24

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

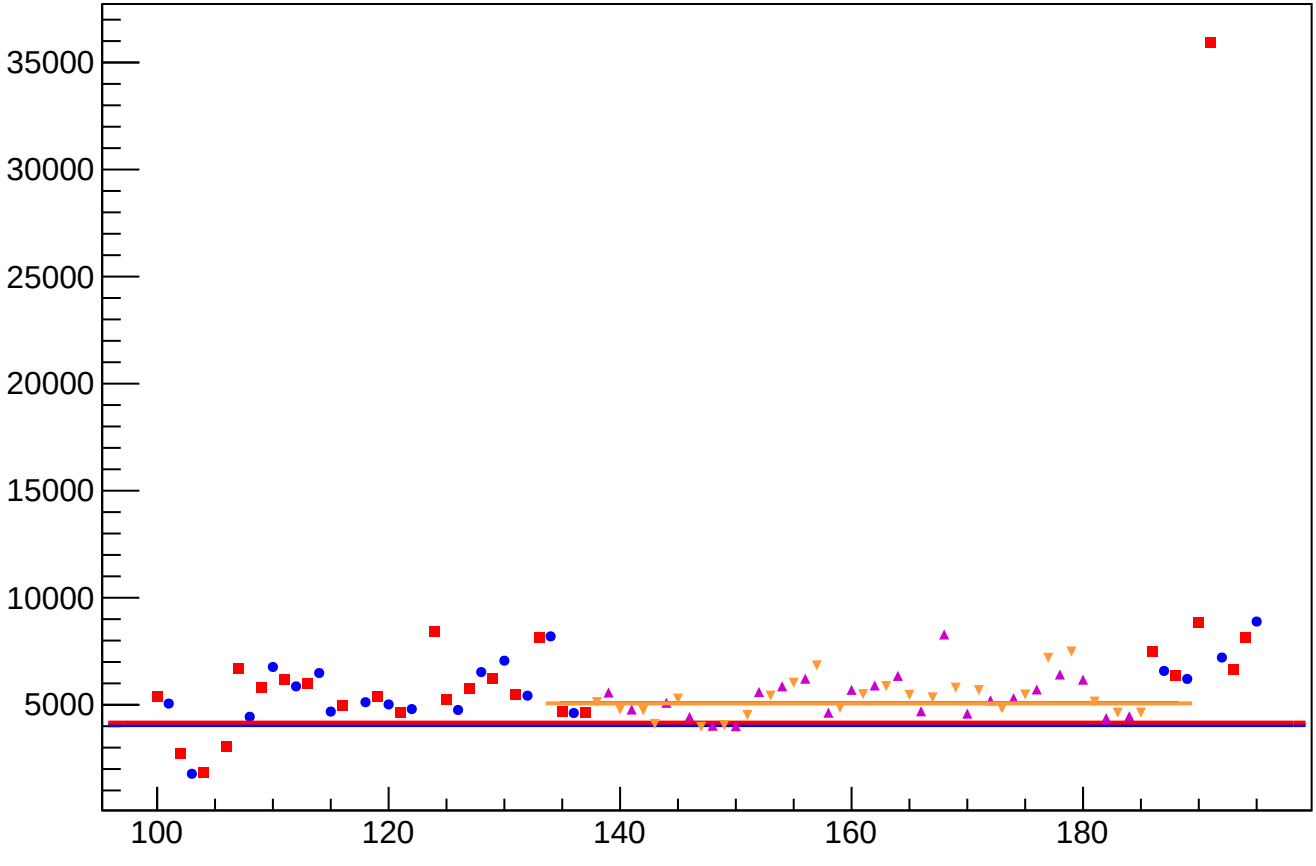
Right: 3450.474+/-1025.489 χ^2/NDF: 37.9/44

In: 2822.330+/-929.790 χ^2/NDF:30.4/42

Out: 2025.199+/-909.286 χ^2/NDF:49.7/49

All: 2414.878+/-650.090 χ^2/NDF: 80.4/92

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4052.683+/-1.032 χ^2/NDF: 4059847.5/19

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4168.297+/-1.010 χ^2/NDF: 4215810.8/24

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

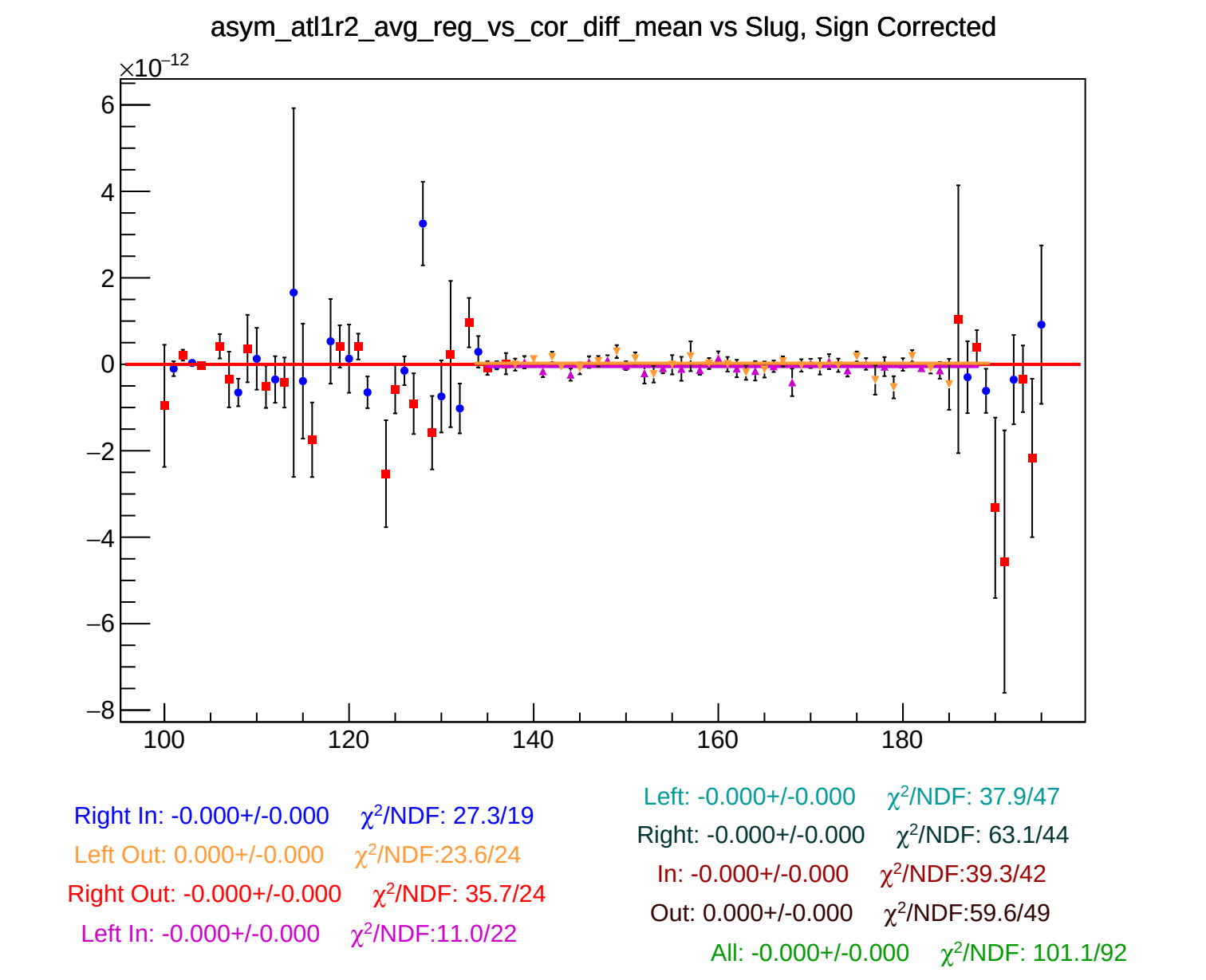
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

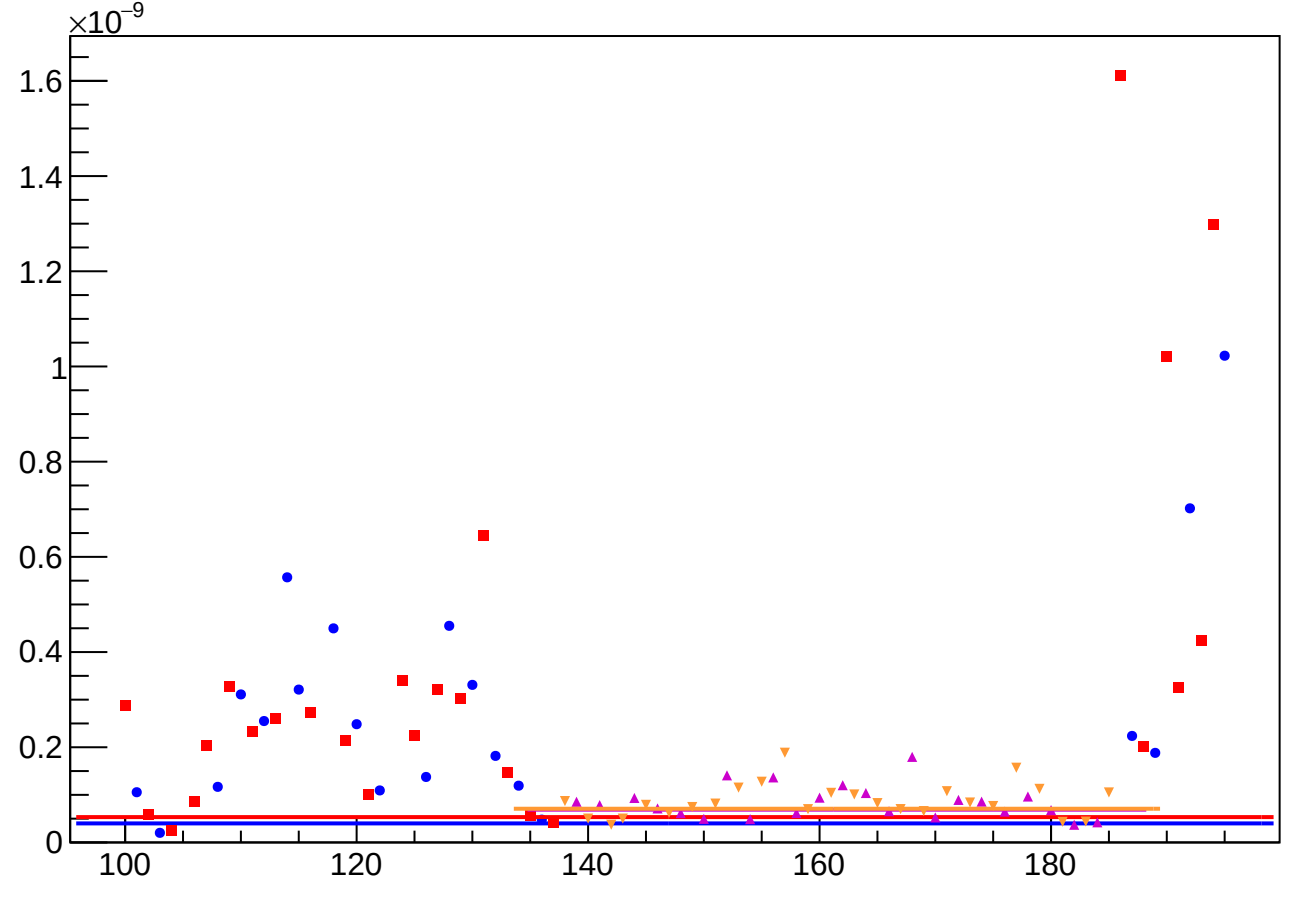
Right: 4111.715+/-0.722 χ^2/NDF: 8282066.9/44

In: 4662.861+/-0.657 χ^2/NDF:5649526.3/42

Out: 4706.084+/-0.641 χ^2/NDF:5644018.2/49

All: 4685.030+/-0.459 χ^2/NDF: 11295761.3/9


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
Right In: -0.000+/-0.000 χ²/NDF: 27.3/19
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.7/24
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: 63.1/44
In: -0.000+/-0.000 χ²/NDF:39.3/42
Out: 0.000+/-0.000 χ²/NDF:59.6/49
All: -0.000+/-0.000 χ²/NDF: 101.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 4811350.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542894.7/24

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

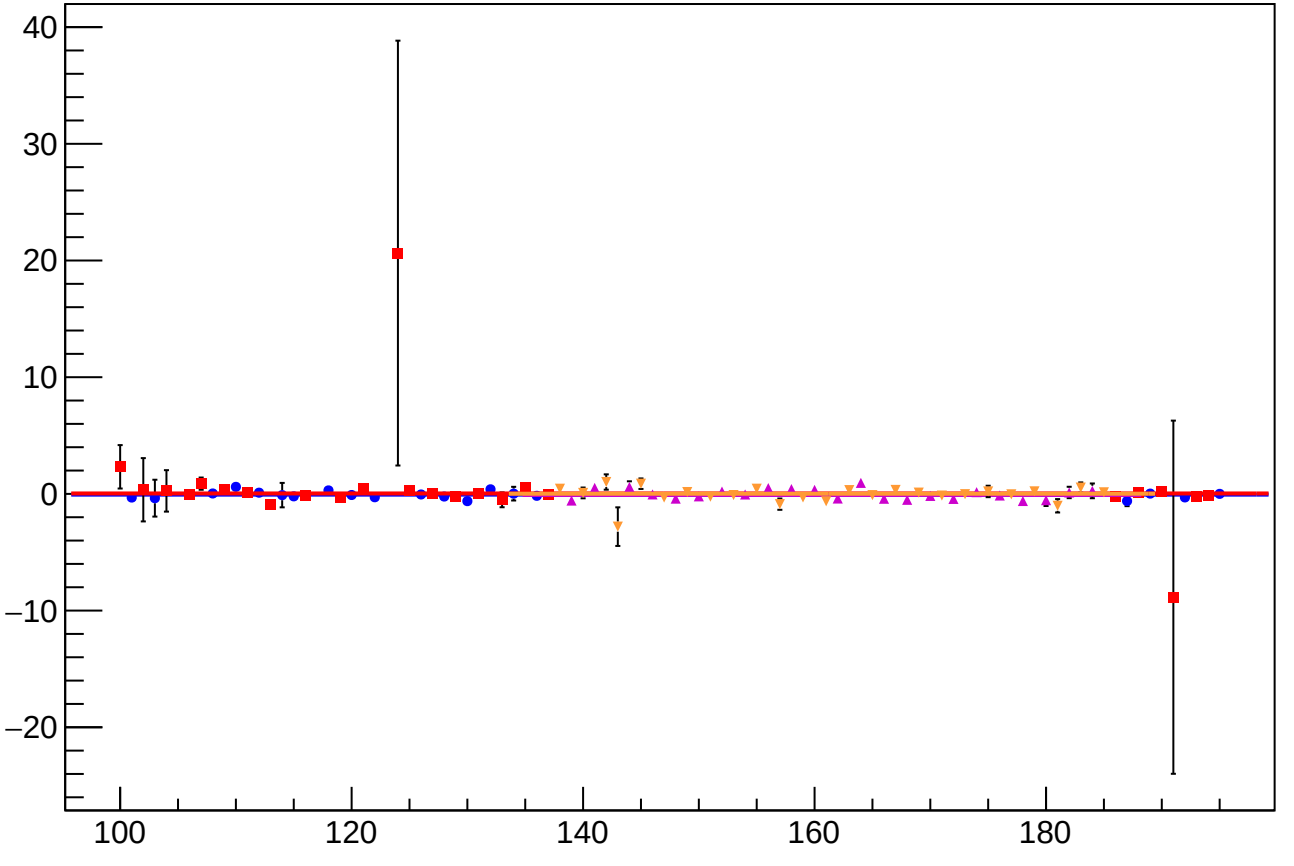
Right: 0.000+/-0.000 χ^2/NDF: 10461173.1/44

In: 0.000+/-0.000 χ^2/NDF:7009974.7/42

Out: 0.000+/-0.000 χ^2/NDF:7251736.3/49

All: 0.000+/-0.000 χ^2/NDF: 14384232.8/92

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.064+/-0.069 χ^2/NDF: 14.2/19

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

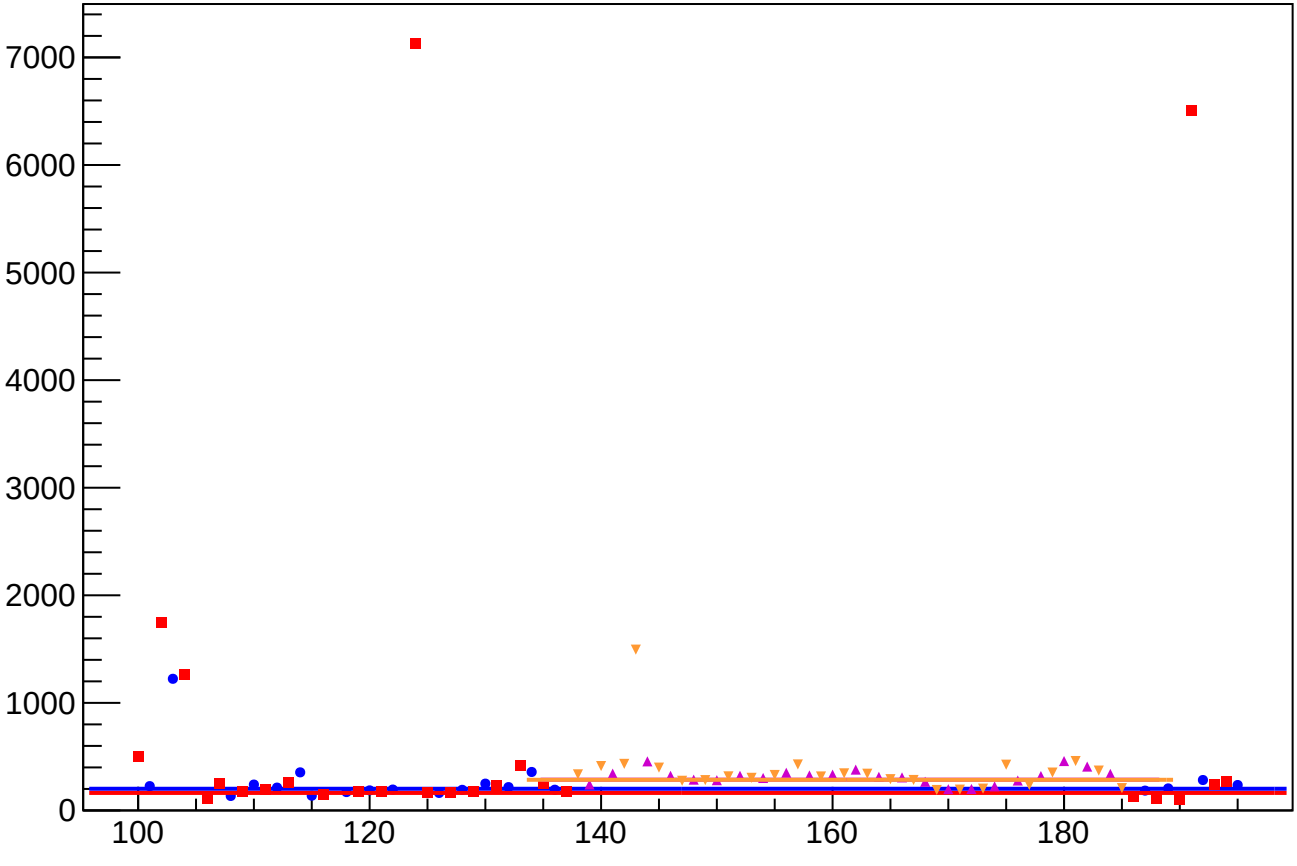
Right: -0.003+/-0.044 χ^2/NDF: 42.3/44

In: -0.077+/-0.049 χ^2/NDF:45.1/42

Out: 0.028+/-0.044 χ^2/NDF:55.2/49

All: -0.018+/-0.033 χ^2/NDF: 102.9/92

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 201.648+/-0.049 χ^2/NDF: 1623081.6/19

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 162.838+/-0.040 χ^2/NDF: 4099548.6/24

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

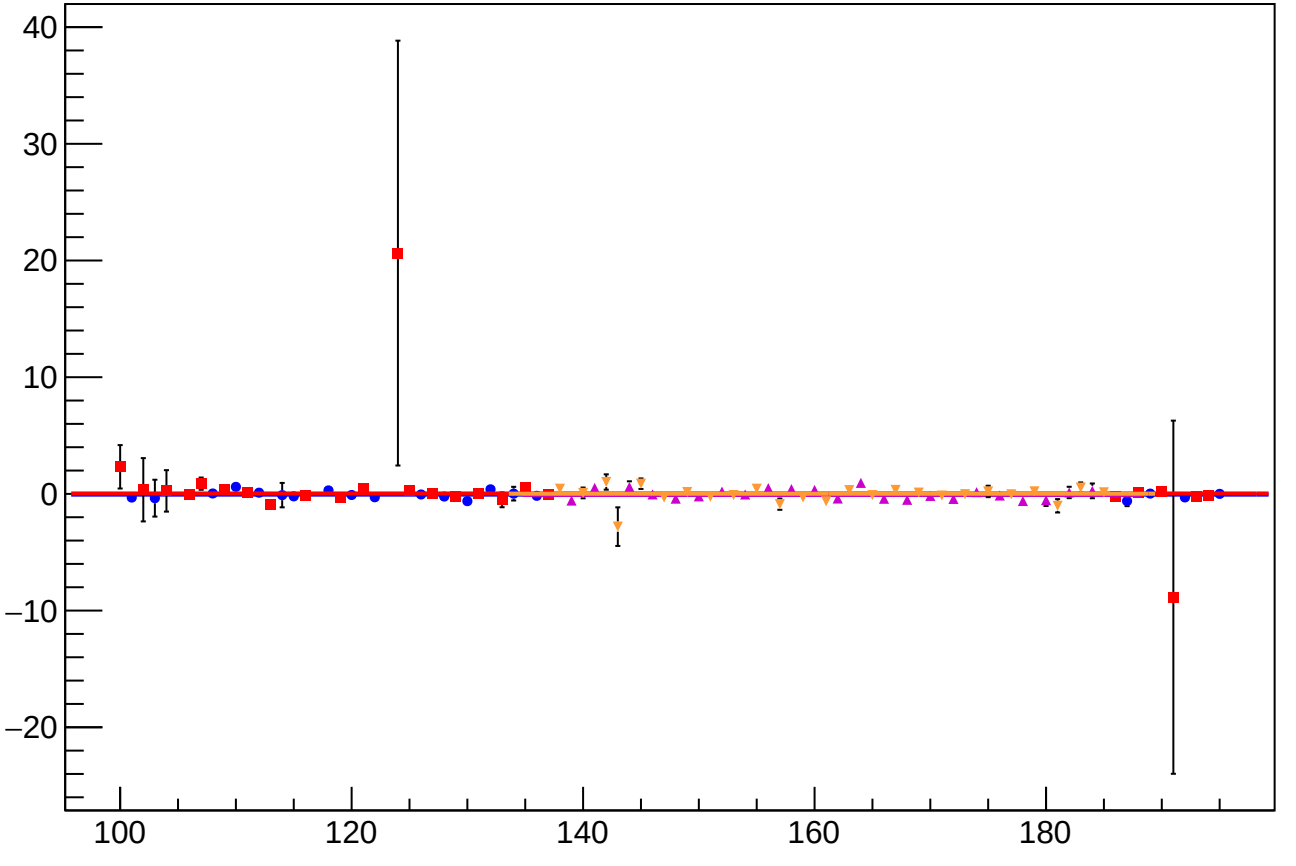
Right: 178.448+/-0.031 χ^2/NDF: 6095534.3/44

In: 243.201+/-0.035 χ^2/NDF:4817171.0/42

Out: 211.710+/-0.031 χ^2/NDF:11182653.1/49

All: 225.676+/-0.023 χ^2/NDF: 16450998.7/92

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.064+/-0.069 χ^2/NDF: 14.2/19

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

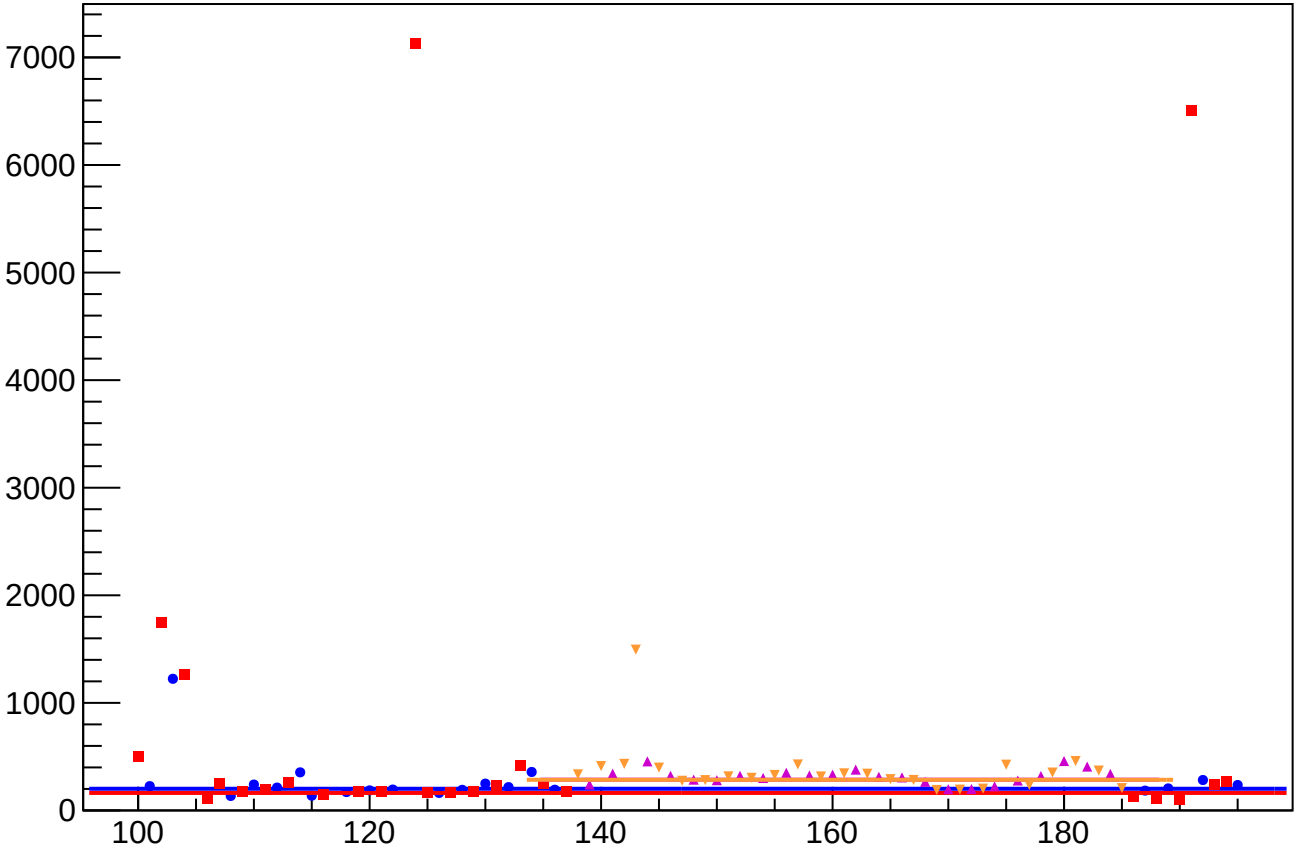
Right: -0.003+/-0.044 χ^2/NDF: 42.3/44

In: -0.077+/-0.049 χ^2/NDF:45.1/42

Out: 0.028+/-0.044 χ^2/NDF:55.2/49

All: -0.018+/-0.033 χ^2/NDF: 102.9/92

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 201.648+/-0.049 χ^2/NDF: 1623081.6/19

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 162.838+/-0.040 χ^2/NDF: 4099548.6/24

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

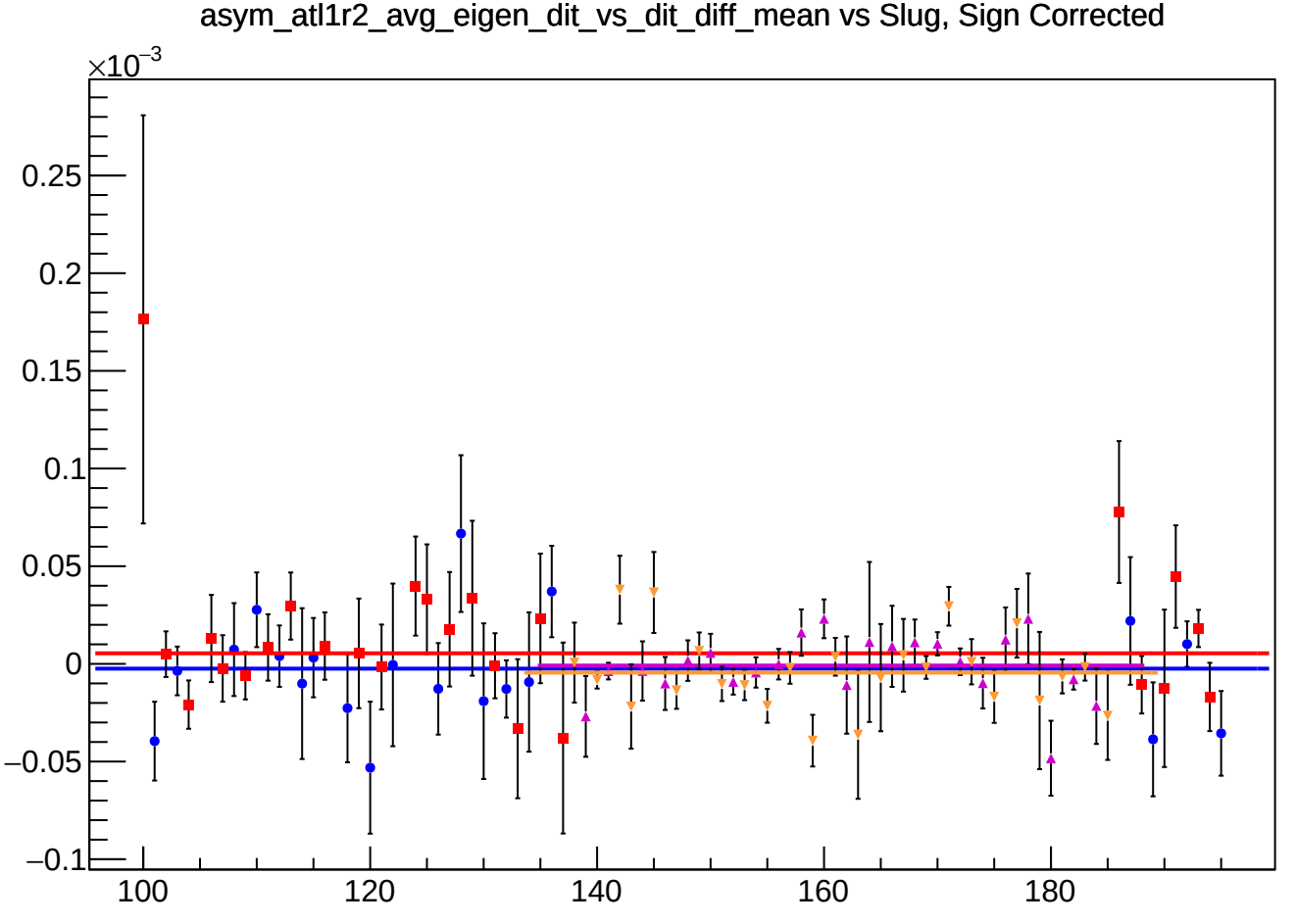
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 178.448+/-0.031 χ^2/NDF: 6095534.3/44

In: 243.201+/-0.035 χ^2/NDF:4817171.0/42

Out: 211.710+/-0.031 χ^2/NDF:11182653.1/49

All: 225.676+/-0.023 χ^2/NDF: 16450998.7/92



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/24

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

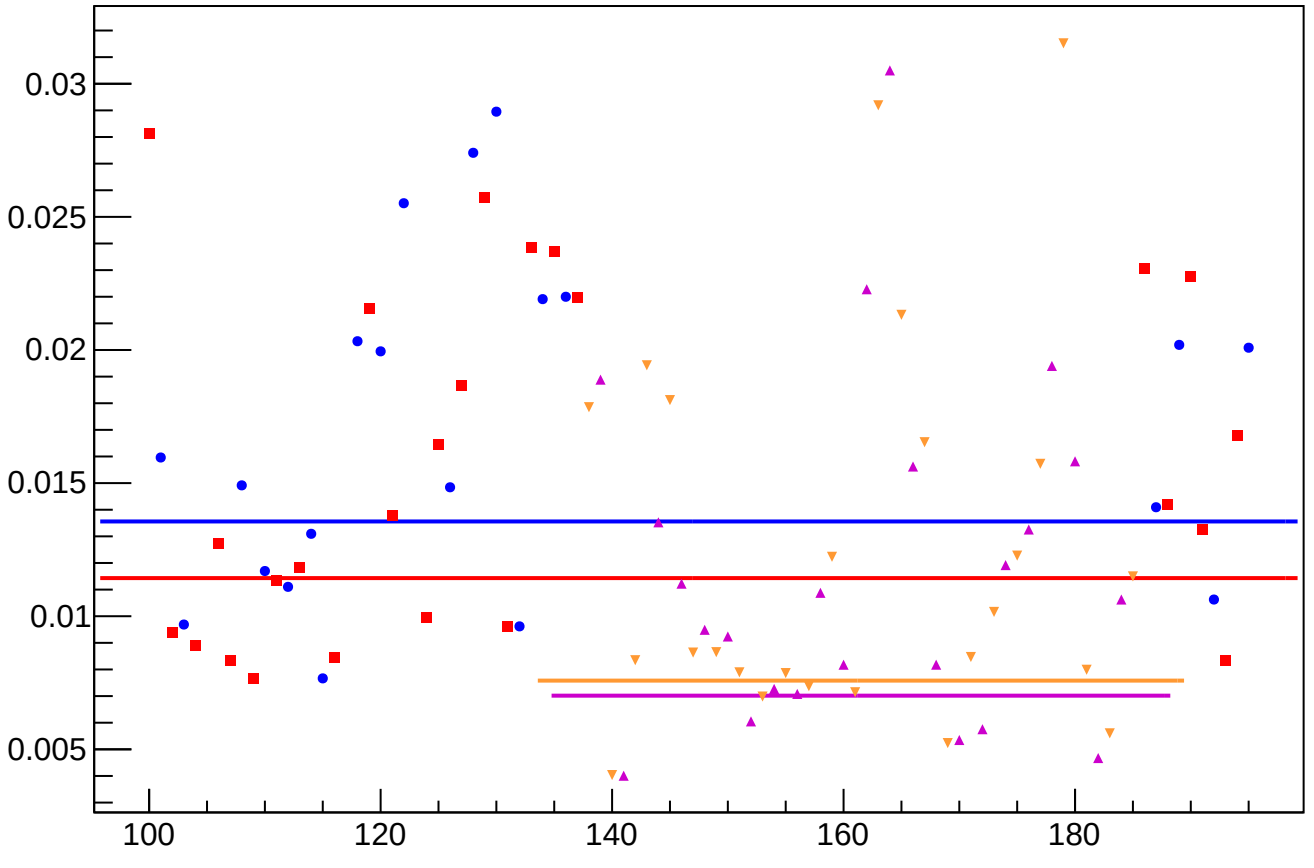
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 50.6/44

In: -0.000+/-0.000 χ^2/NDF:50.5/42

Out: -0.000+/-0.000 χ^2/NDF:76.9/49

All: -0.000+/-0.000 χ^2/NDF: 127.6/92



Right In: 0.014+/-0.000 χ^2/NDF: 2289567.4/19

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2736380.1/24

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

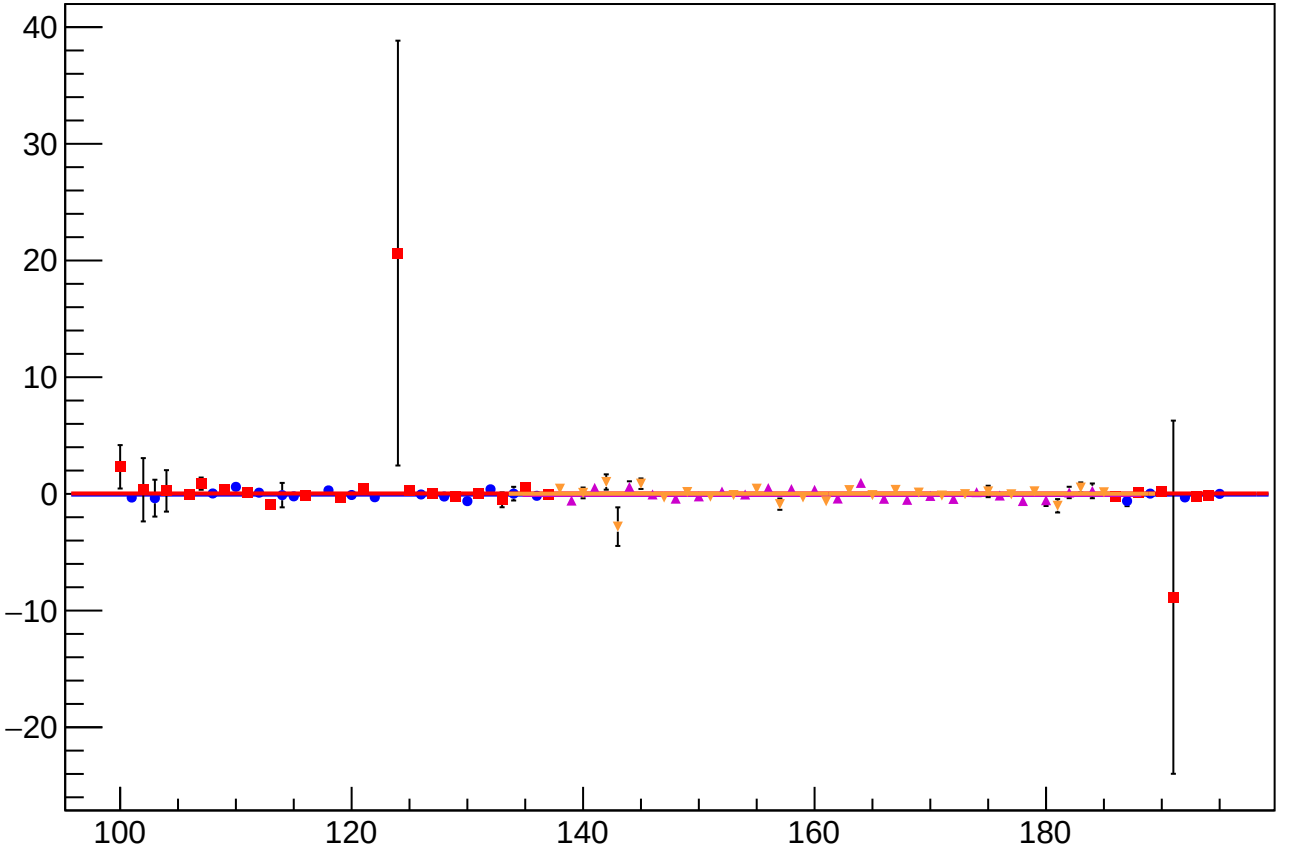
Right: 0.012+/-0.000 χ^2/NDF: 5277302.6/44

In: 0.008+/-0.000 χ^2/NDF:12355984.9/42

Out: 0.008+/-0.000 χ^2/NDF:11754009.0/49

All: 0.008+/-0.000 χ^2/NDF: 24185258.2/92

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.064+/-0.069 χ^2/NDF: 14.2/19

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

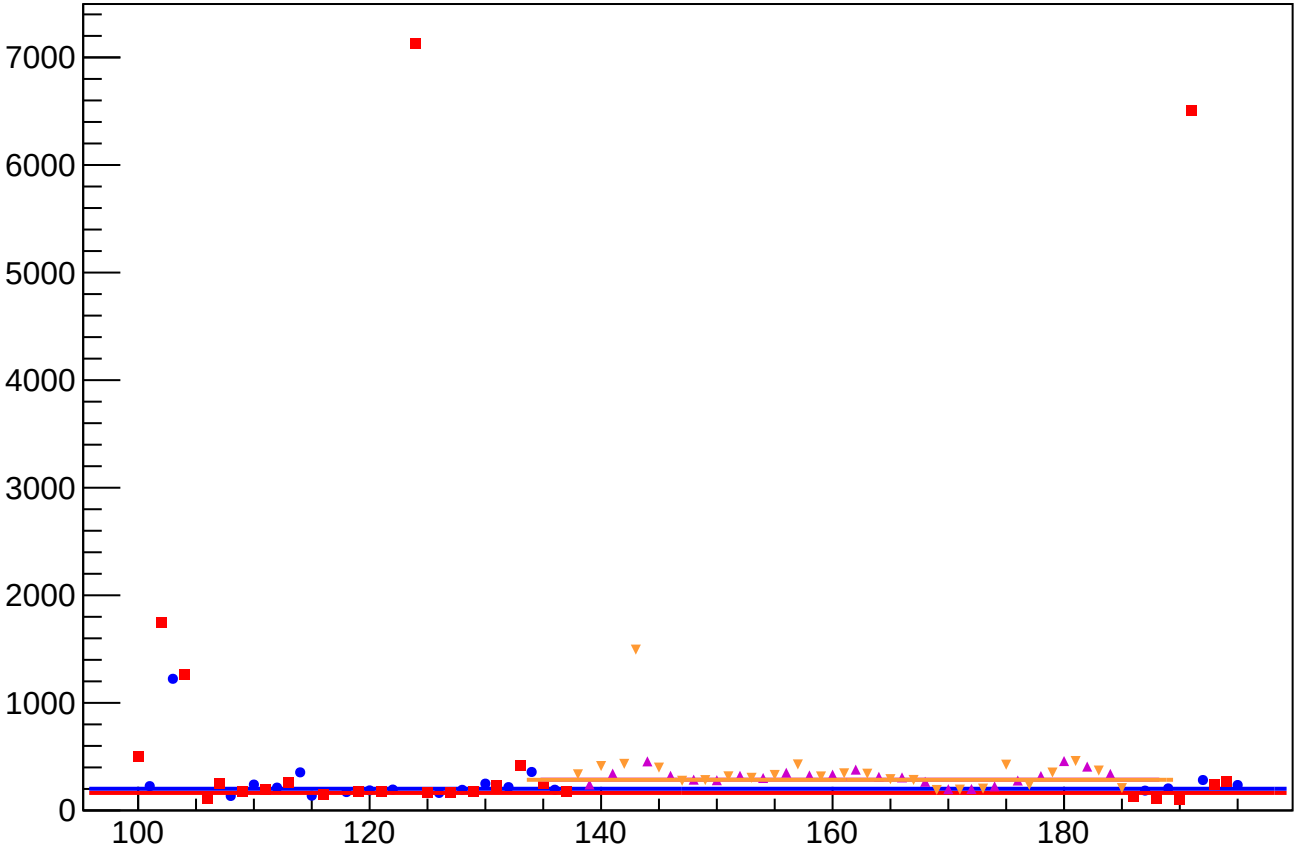
Right: -0.003+/-0.044 χ^2/NDF: 42.3/44

In: -0.077+/-0.049 χ^2/NDF:45.1/42

Out: 0.028+/-0.044 χ^2/NDF:55.2/49

All: -0.018+/-0.033 χ^2/NDF: 102.9/92

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 201.647+/-0.049 χ^2/NDF: 1623076.7/19

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 162.836+/-0.040 χ^2/NDF: 4099646.6/24

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

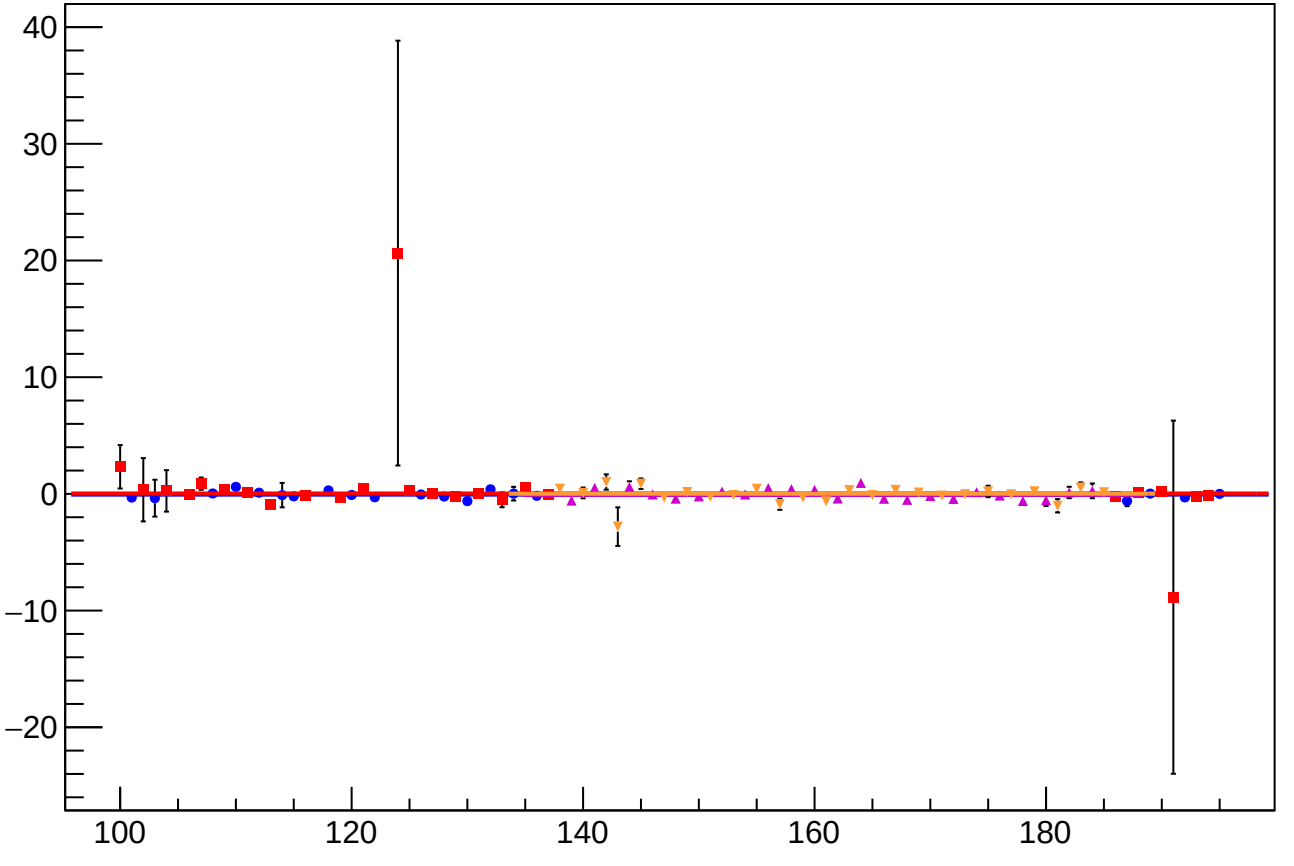
Right: 178.446+/-0.031 χ^2/NDF: 6095662.3/44

In: 243.201+/-0.035 χ^2/NDF:4817335.9/42

Out: 211.708+/-0.031 χ^2/NDF:11183114.8/49

All: 225.675+/-0.023 χ^2/NDF: 16451678.6/92

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.064+/-0.069 χ^2/NDF: 14.2/19

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

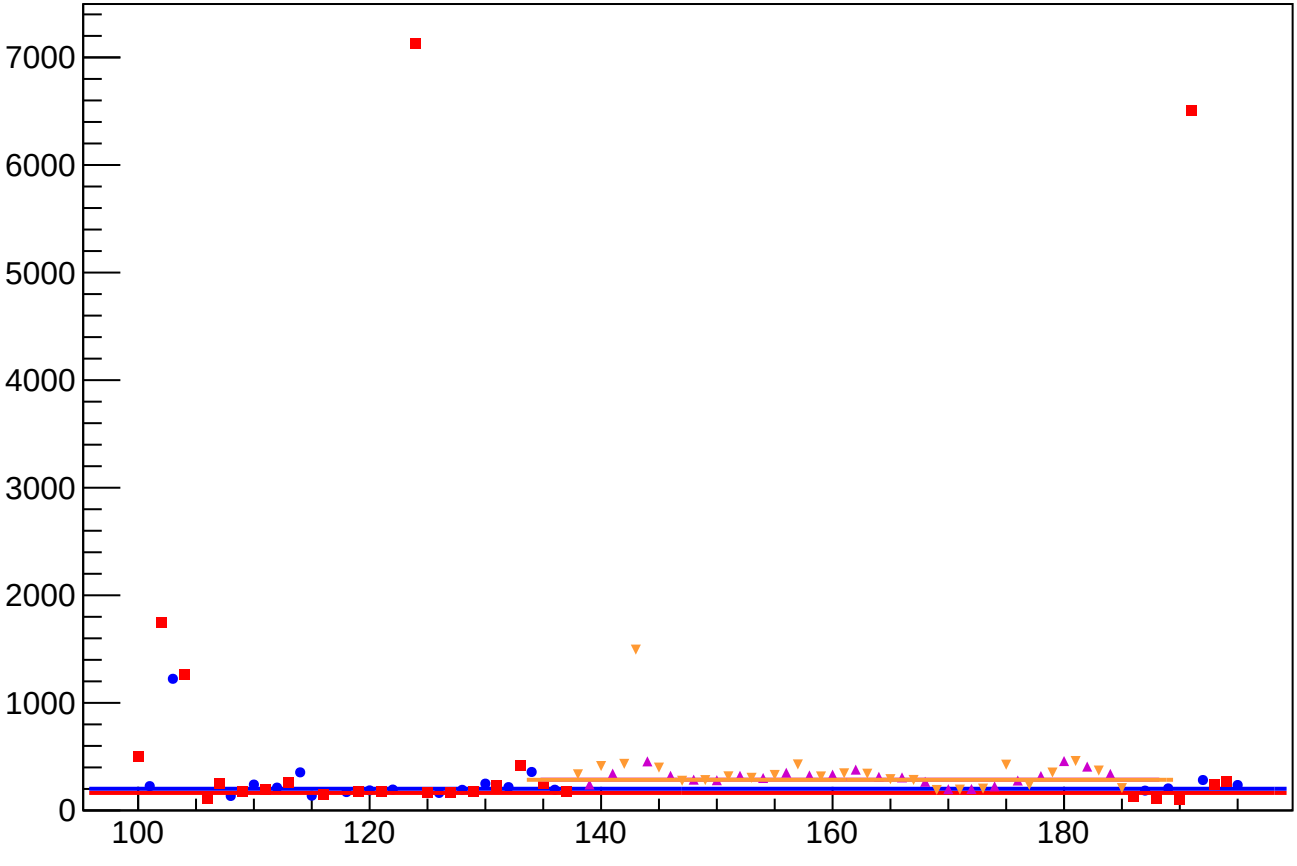
Right: -0.003+/-0.044 χ^2/NDF: 42.3/44

In: -0.077+/-0.049 χ^2/NDF:45.1/42

Out: 0.028+/-0.044 χ^2/NDF:55.2/49

All: -0.018+/-0.033 χ^2/NDF: 102.9/92

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 201.647+/-0.049 χ^2/NDF: 1623076.7/19

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 162.836+/-0.040 χ^2/NDF: 4099646.6/24

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

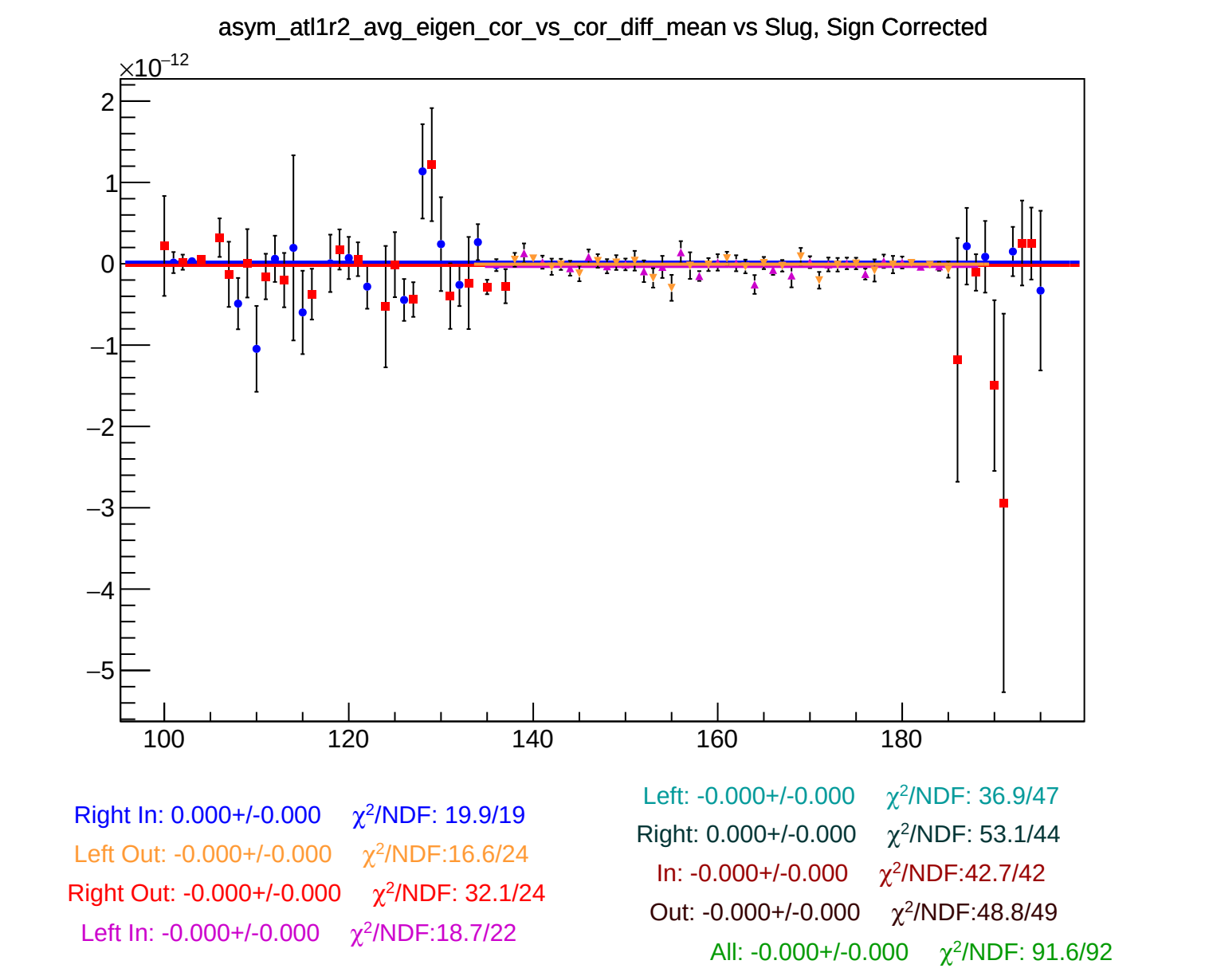
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

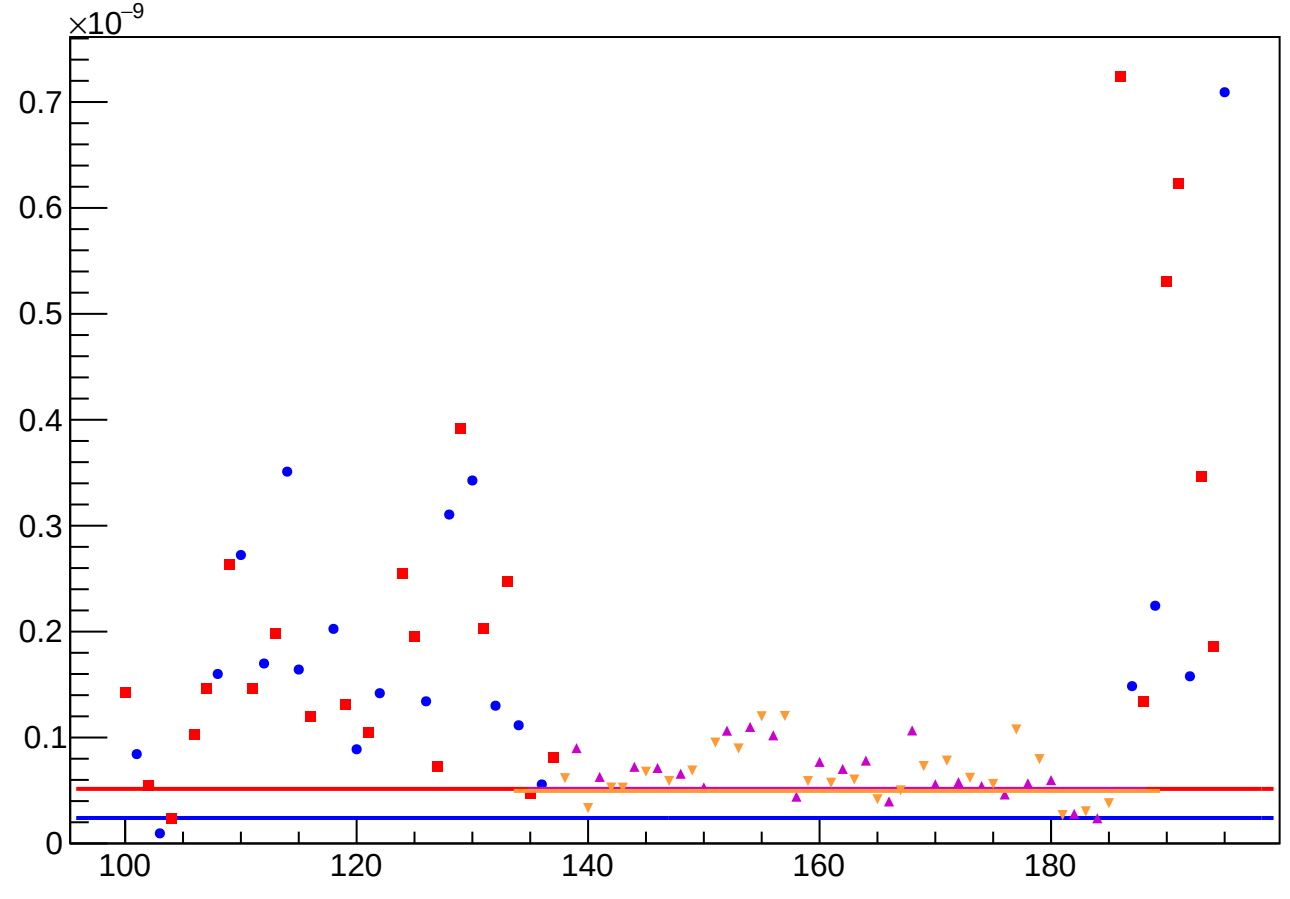
Right: 178.446+/-0.031 χ^2/NDF: 6095662.3/44

In: 243.201+/-0.035 χ^2/NDF:4817335.9/42

Out: 211.708+/-0.031 χ^2/NDF:11183114.8/49

All: 225.675+/-0.023 χ^2/NDF: 16451678.6/92


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 19.9/19
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 32.1/24
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 53.1/44
In: -0.000+/-0.000 χ²/NDF:42.7/42
Out: -0.000+/-0.000 χ²/NDF:48.8/49
All: -0.000+/-0.000 χ²/NDF: 91.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 8340025.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6302397.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

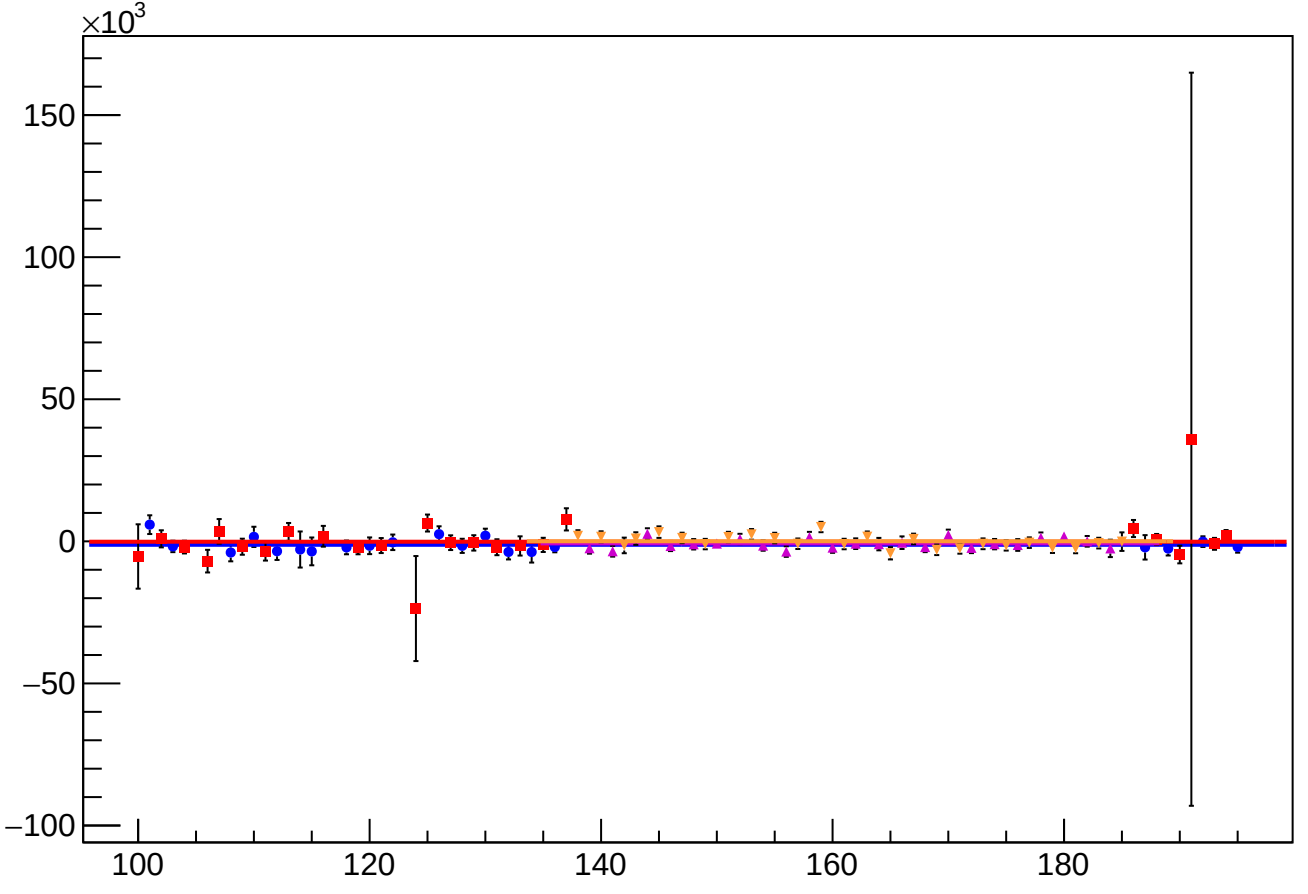
Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15746268.4/44

In: 0.000+/-0.000 χ^2/NDF:14240572.7/42

Out: 0.000+/-0.000 χ^2/NDF:10191206.8/49

All: 0.000+/-0.000 χ^2/NDF: 24881528.6/92



Right In: -1211.307+/-593.487 χ^2/NDF: 13.1/19

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -131.232+/-579.240 χ^2/NDF: 26.4/24

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

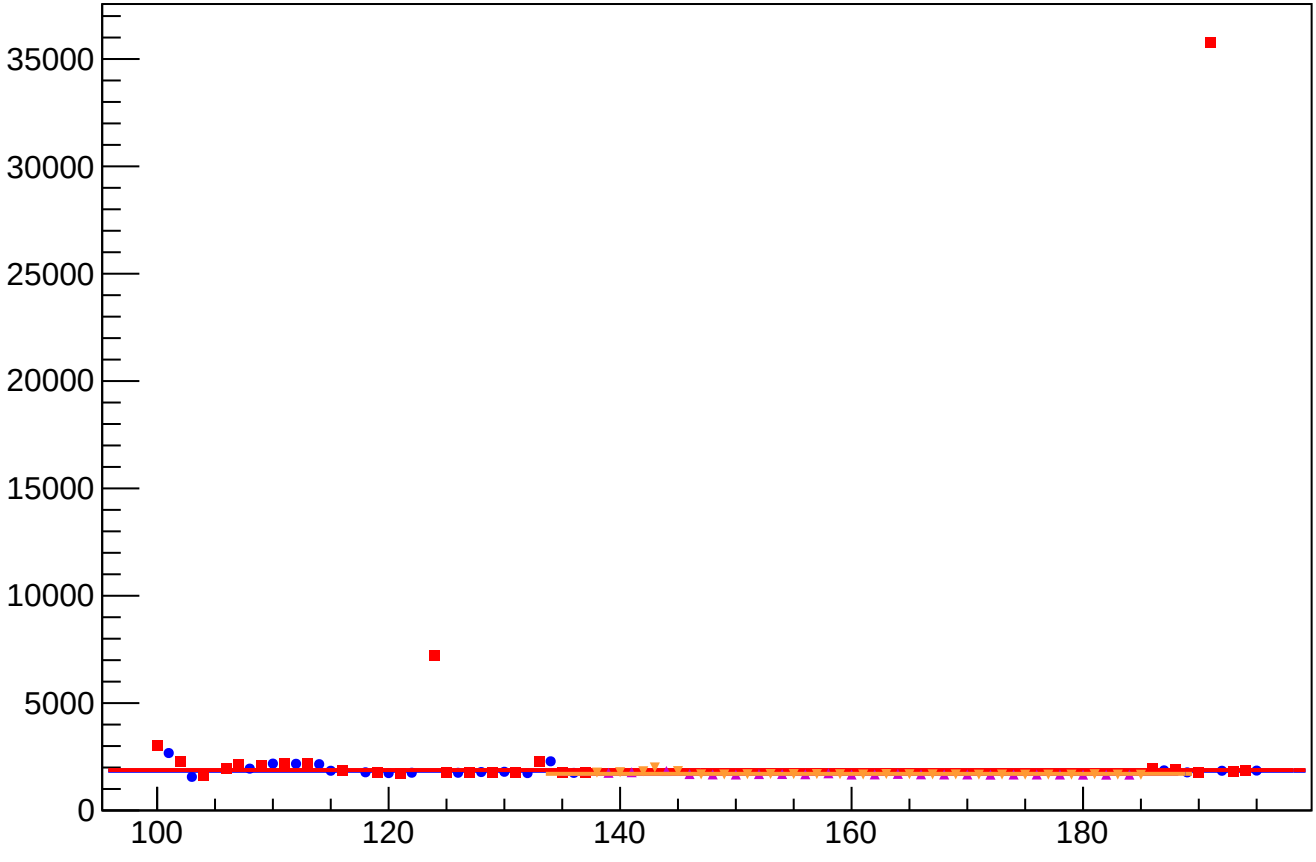
Right: -658.150+/-414.530 χ^2/NDF: 41.2/44

In: -871.247+/-329.663 χ^2/NDF:32.7/42

Out: -24.645+/-322.208 χ^2/NDF:55.9/49

All: -438.266+/-230.426 χ^2/NDF: 91.9/92

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1847.106+/-0.420 χ^2/NDF: 261952.0/19

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1882.796+/-0.409 χ^2/NDF: 510205.4/24

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

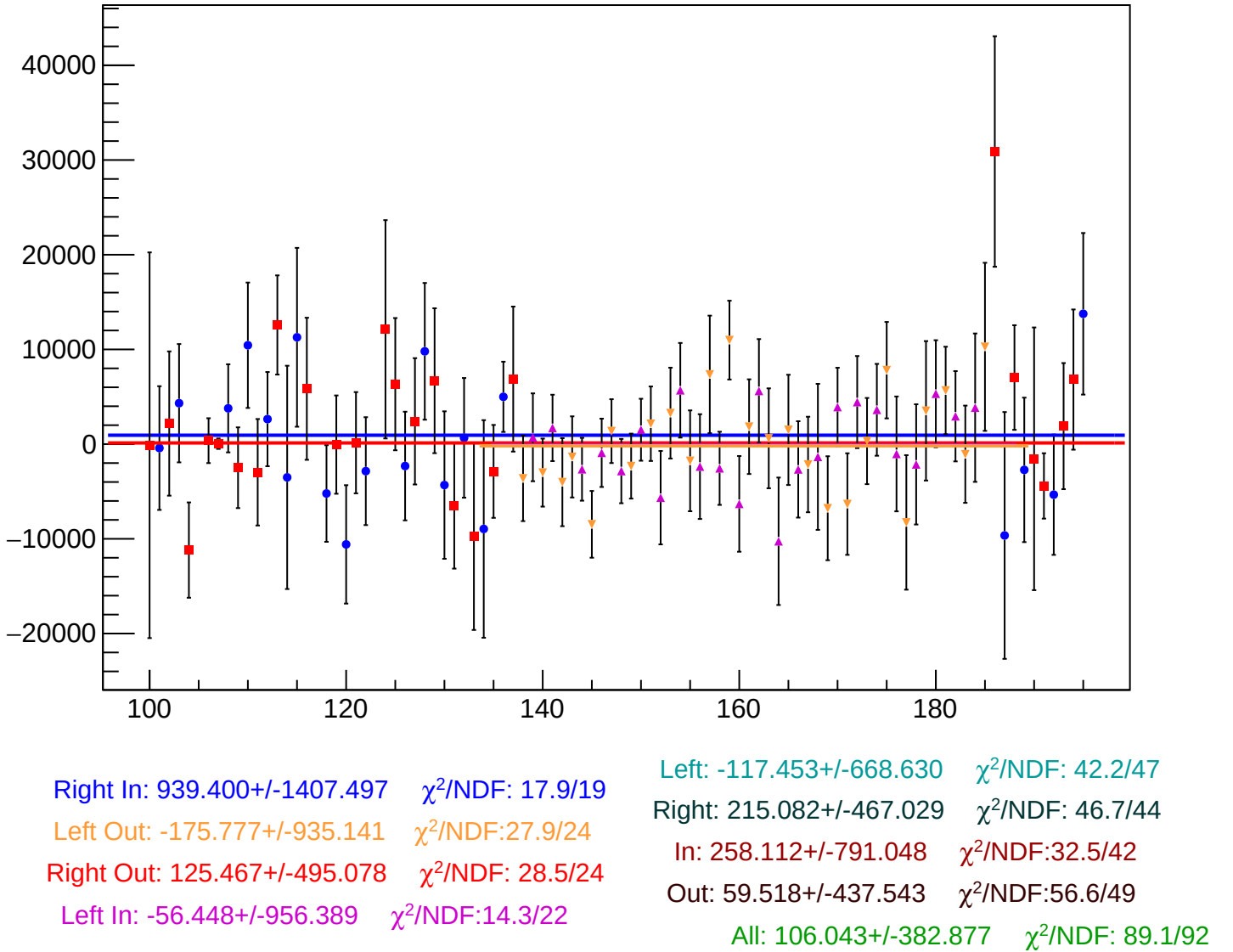
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

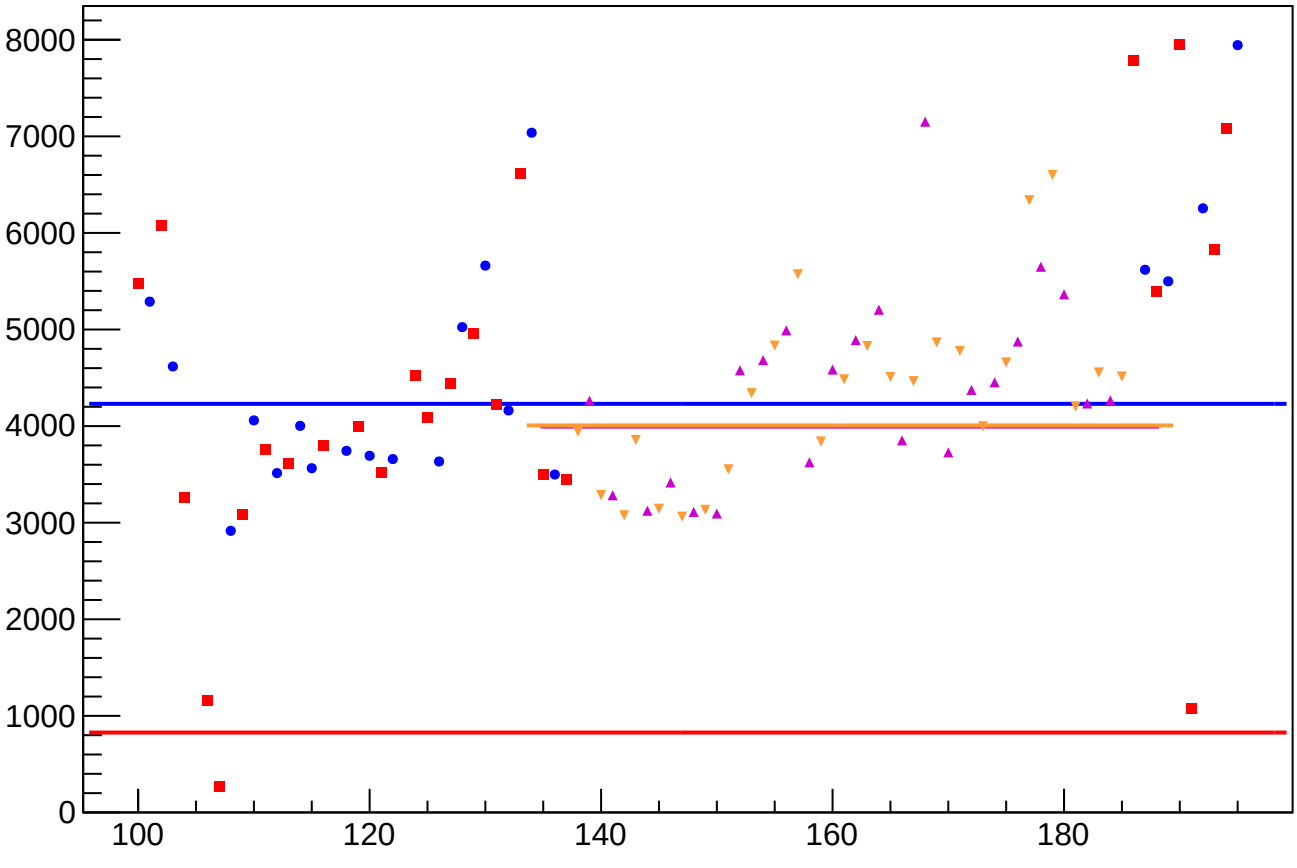
Right: 1865.412+/-0.293 χ^2/NDF: 775867.2/44

In: 1743.670+/-0.233 χ^2/NDF:370958.1/42

Out: 1760.571+/-0.228 χ^2/NDF:699612.2/49

All: 1752.318+/-0.163 χ^2/NDF: 1073260.0/92


asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 939.400+/-1407.497 χ²/NDF: 17.9/19
Left Out: -175.777+/-935.141 χ²/NDF:27.9/24
Right Out: 125.467+/-495.078 χ²/NDF: 28.5/24
Left In: -56.448+/-956.389 χ²/NDF:14.3/22
Left: -117.453+/-668.630 χ²/NDF: 42.2/47
Right: 215.082+/-467.029 χ²/NDF: 46.7/44
In: 258.112+/-791.048 χ²/NDF:32.5/42
Out: 59.518+/-437.543 χ²/NDF:56.6/49
All: 106.043+/-382.877 χ²/NDF: 89.1/92



Right In: 4230.650+/-0.995 χ^2/NDF: 1297728.1/19

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 827.427+/-0.350 χ^2/NDF: 15847718.3/24

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

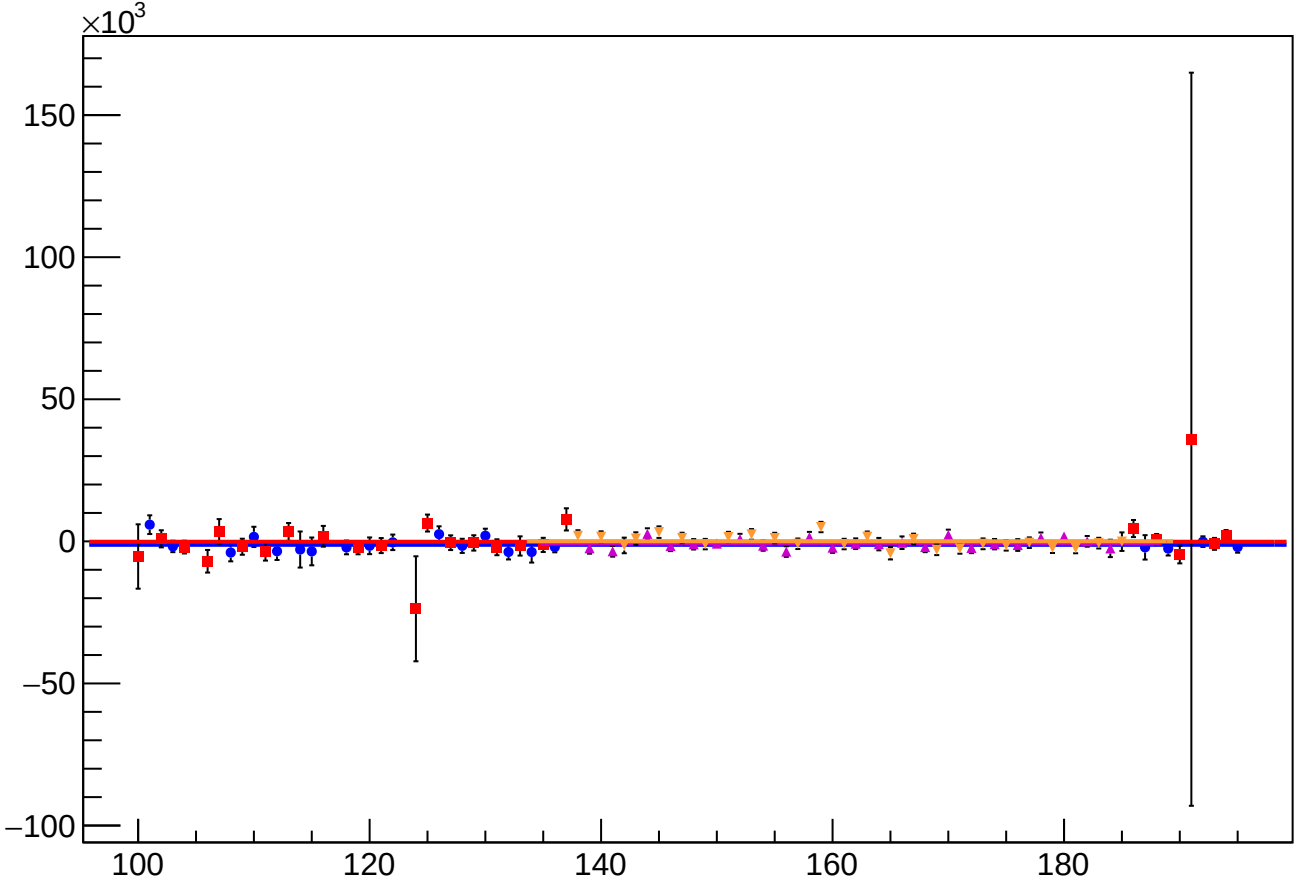
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1202.126+/-0.330 χ^2/NDF: 27550789.0/44

In: 4069.417+/-0.559 χ^2/NDF:2874205.6/42

Out: 1523.502+/-0.309 χ^2/NDF:35410974.7/49

All: 2119.928+/-0.271 χ^2/NDF: 54148309.4/9



Right In: -1211.031+/-593.487 χ^2/NDF: 13.1/19

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -131.489+/-579.241 χ^2/NDF: 26.4/24

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

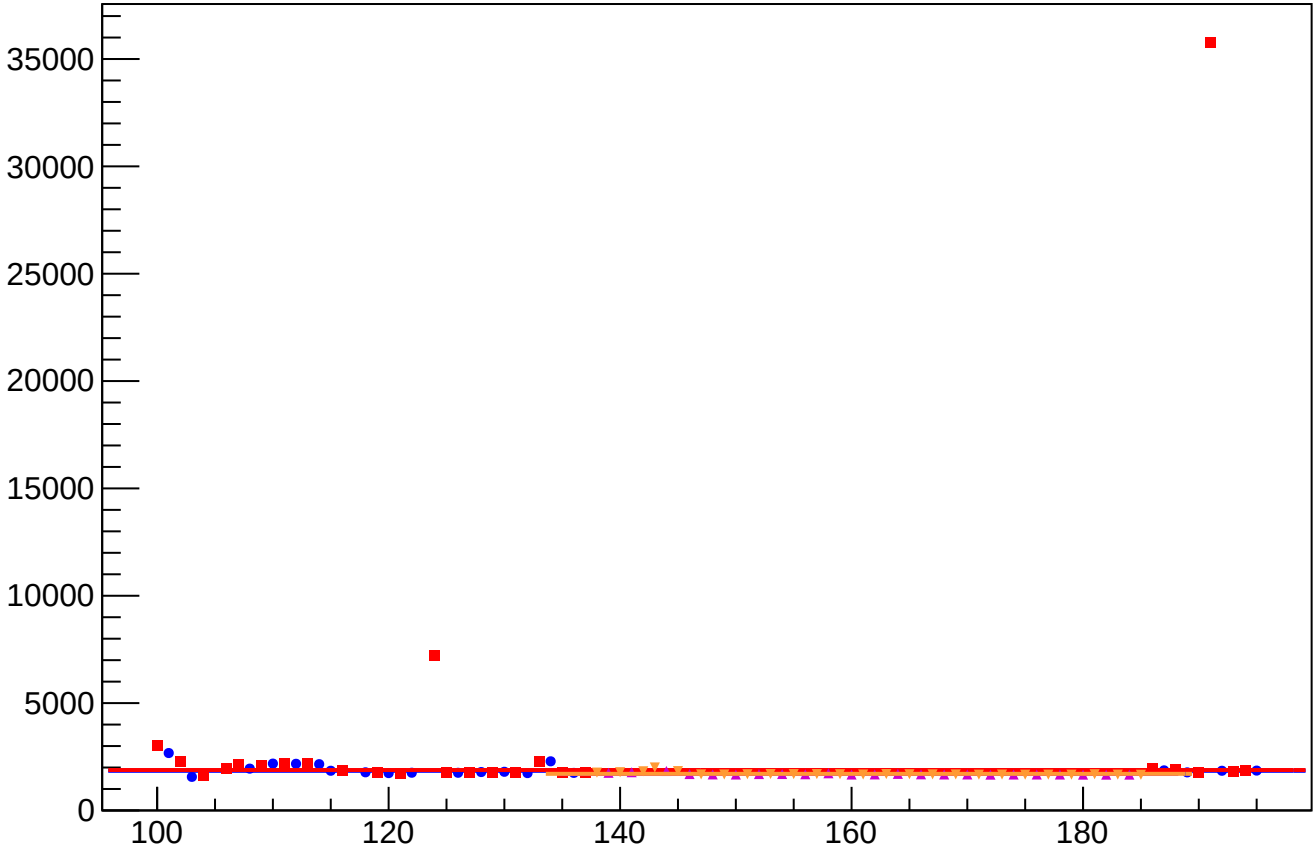
Right: -658.148+/-414.530 χ^2/NDF: 41.2/44

In: -871.076+/-329.663 χ^2/NDF:32.7/42

Out: -24.674+/-322.209 χ^2/NDF:55.9/49

All: -438.198+/-230.426 χ^2/NDF: 92.0/92

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1847.106+/-0.420 χ^2/NDF: 261951.1/19

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1883.103+/-0.409 χ^2/NDF: 510450.2/24

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

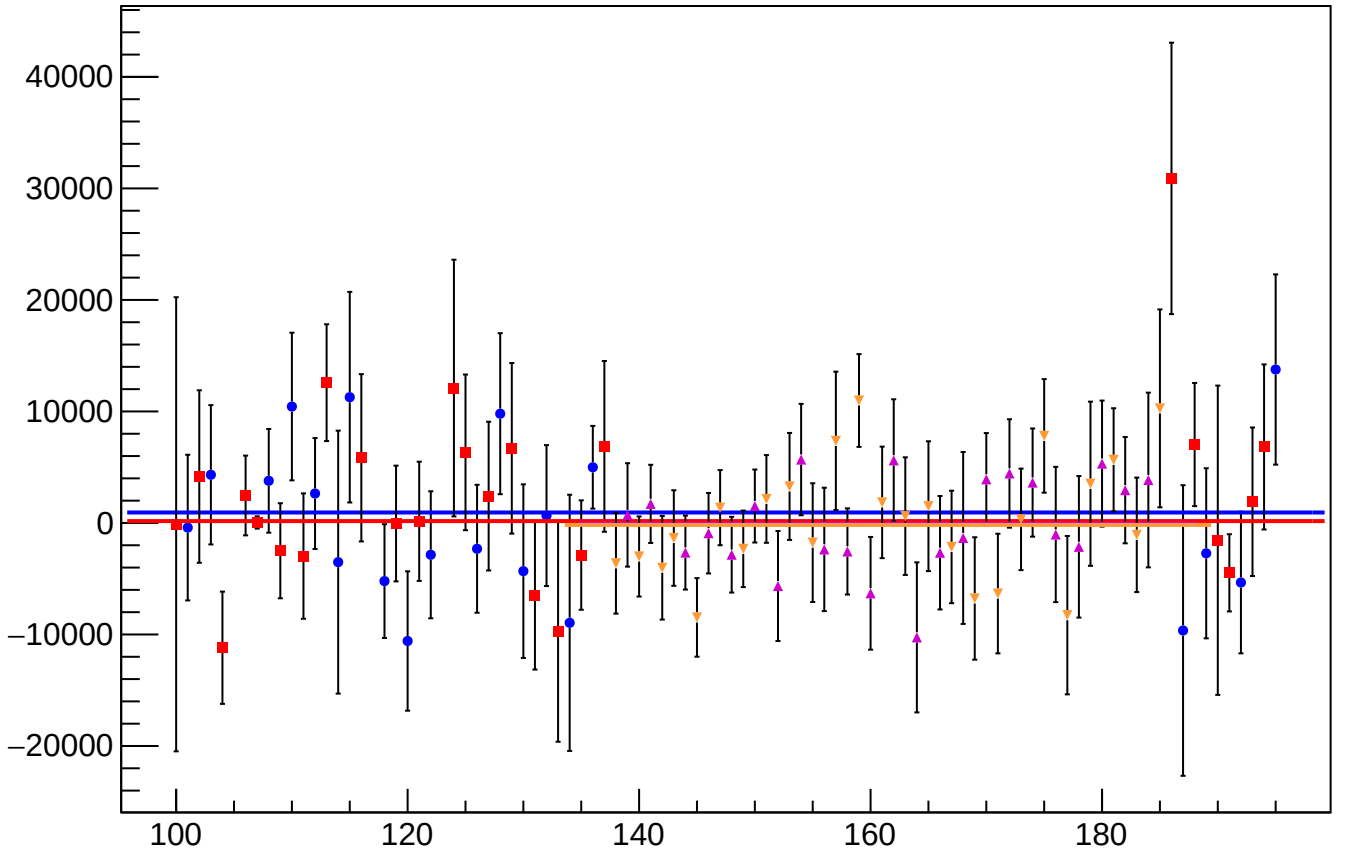
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1865.567+/-0.293 χ^2/NDF: 776174.6/44

In: 1743.670+/-0.233 χ^2/NDF:370957.6/42

Out: 1760.655+/-0.228 χ^2/NDF:700278.5/49

All: 1752.360+/-0.163 χ^2/NDF: 1073952.4/92



Right In: 939.379+/-1407.502 χ^2/NDF: 17.9/19

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 167.596+/-501.294 χ^2/NDF: 29.2/24

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

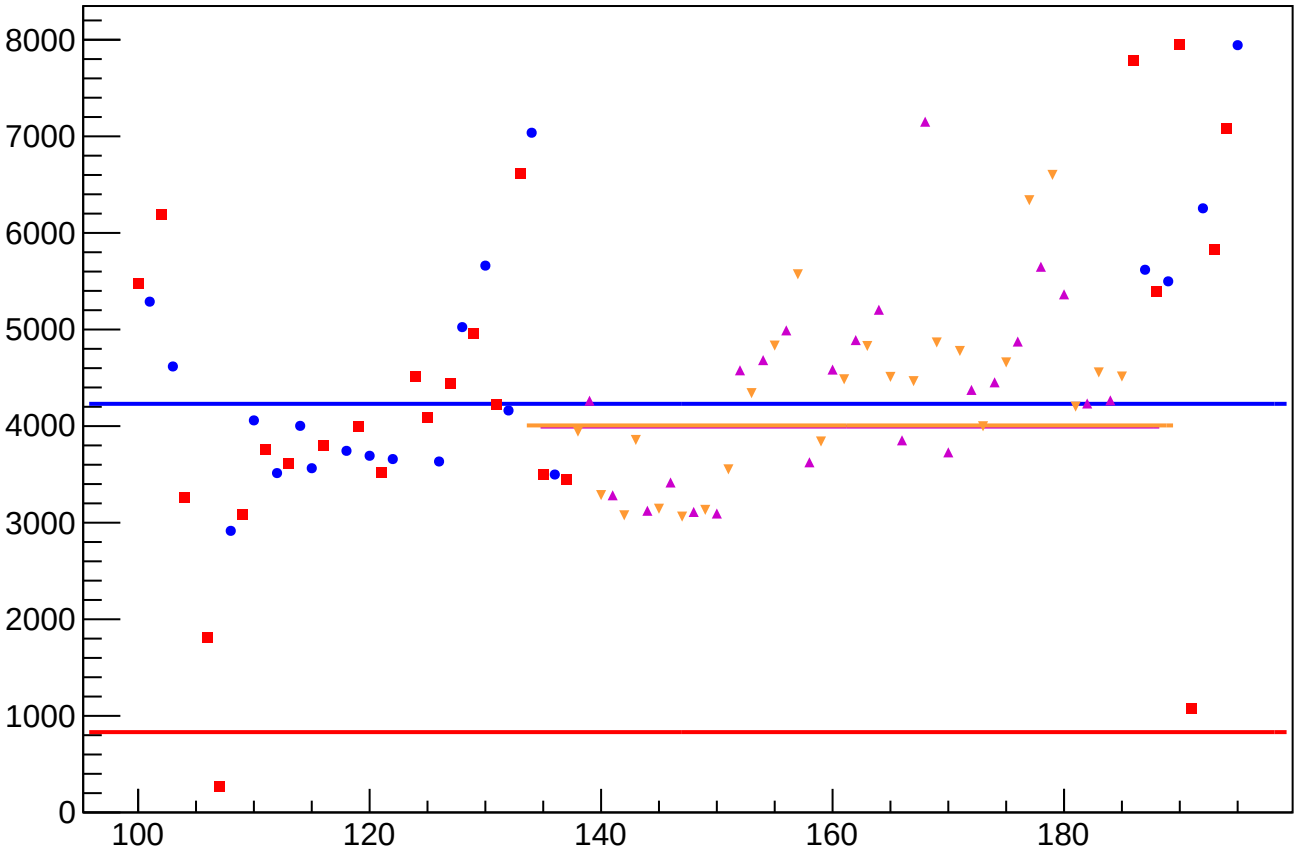
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 254.476+/-472.236 χ^2/NDF: 47.3/44

In: 258.153+/-791.049 χ^2/NDF:32.5/42

Out: 90.954+/-441.816 χ^2/NDF:57.2/49

All: 130.709+/-385.731 χ^2/NDF: 89.8/92



Right In: 4230.660+/-0.995 χ^2/NDF: 1297748.8/19

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 831.762+/-0.354 χ^2/NDF: 15971096.8/24

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

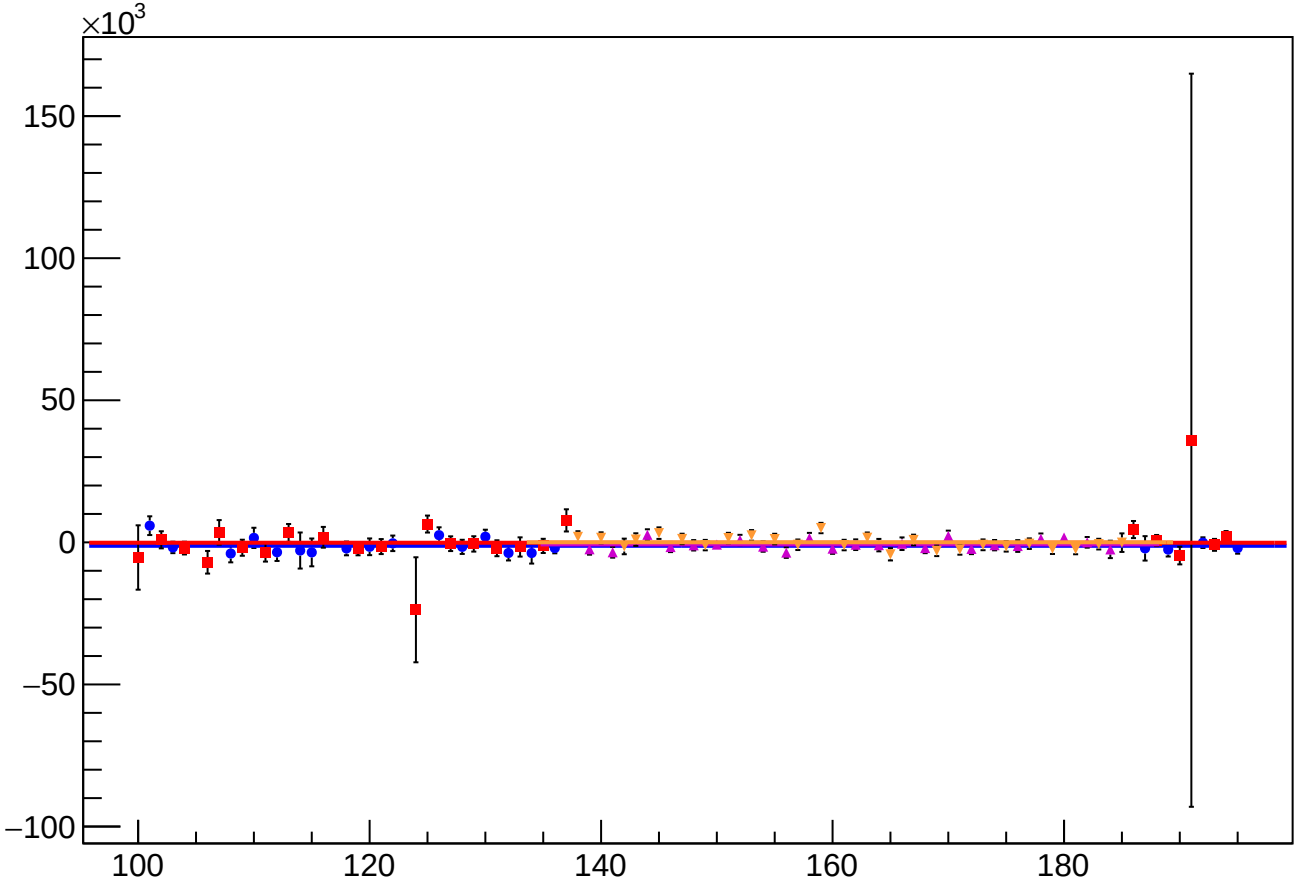
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1214.375+/-0.334 χ^2/NDF: 27618897.9/44

In: 4069.419+/-0.559 χ^2/NDF:2874212.9/42

Out: 1540.532+/-0.312 χ^2/NDF:35386030.2/49

All: 2141.832+/-0.273 χ^2/NDF: 53840218.8/9



Right In: -1211.031+/-593.487 χ^2/NDF: 13.1/19

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -131.489+/-579.241 χ^2/NDF: 26.4/24

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

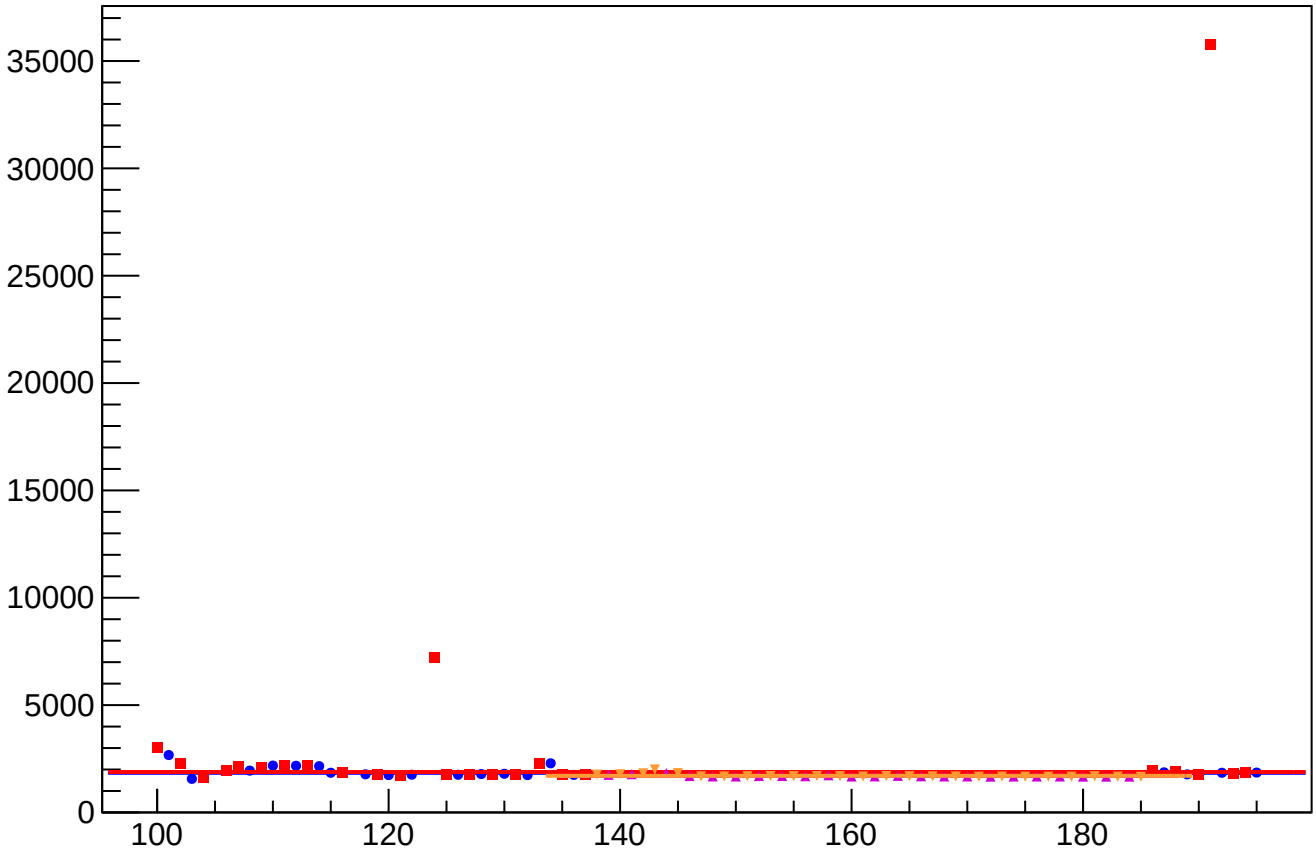
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -658.148+/-414.530 χ^2/NDF: 41.2/44

In: -871.076+/-329.663 χ^2/NDF:32.7/42

Out: -24.674+/-322.209 χ^2/NDF:55.9/49

All: -438.198+/-230.426 χ^2/NDF: 92.0/92



Right In: 1847.106+/-0.420 χ^2/NDF: 261951.1/19

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1883.103+/-0.409 χ^2/NDF: 510450.2/24

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

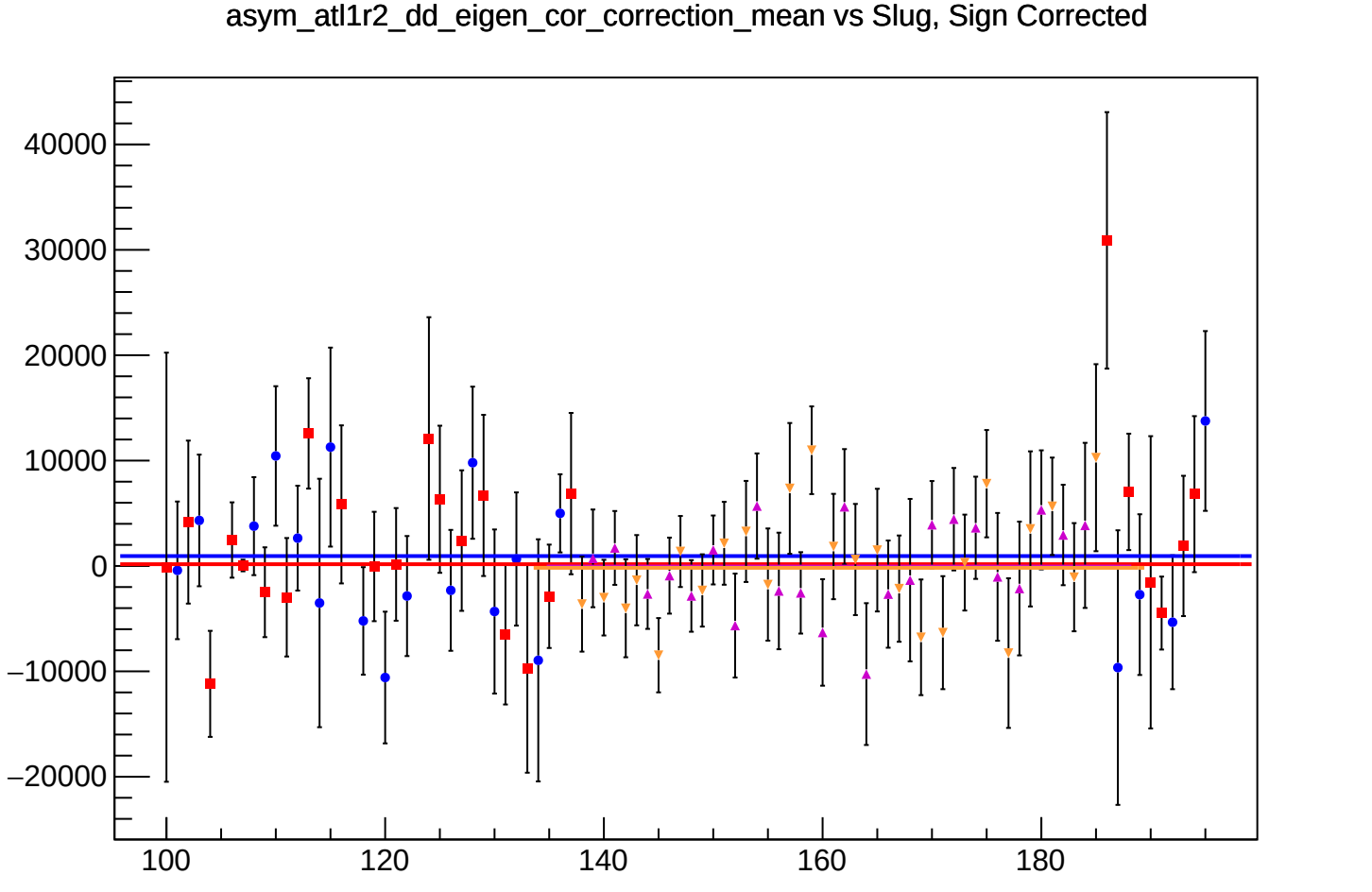
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

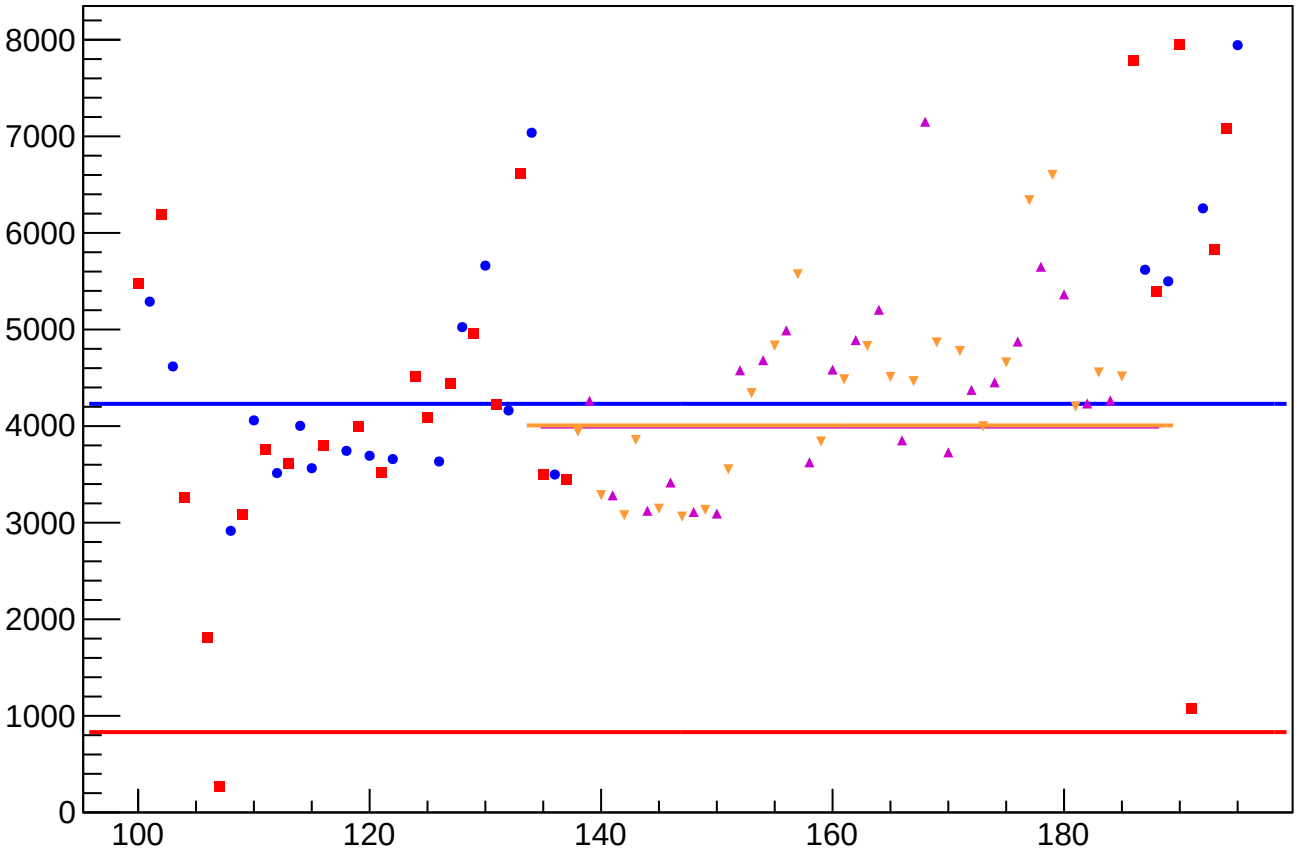
Right: 1865.567+/-0.293 χ^2/NDF: 776174.6/44

In: 1743.670+/-0.233 χ^2/NDF:370957.6/42

Out: 1760.655+/-0.228 χ^2/NDF:700278.5/49

All: 1752.360+/-0.163 χ^2/NDF: 1073952.4/92


asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 939.379+/-1407.502 χ²/NDF: 17.9/19
Left Out: -175.755+/-935.140 χ²/NDF:27.9/24
Right Out: 167.596+/-501.294 χ²/NDF: 29.2/24
Left In: -56.377+/-956.388 χ²/NDF:14.3/22
Left: -117.407+/-668.630 χ²/NDF: 42.2/47
Right: 254.476+/-472.236 χ²/NDF: 47.3/44
In: 258.153+/-791.049 χ²/NDF:32.5/42
Out: 90.954+/-441.816 χ²/NDF:57.2/49
All: 130.709+/-385.731 χ²/NDF: 89.8/92



Right In: 4230.660+/-0.995 χ^2/NDF: 1297748.8/19

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 831.762+/-0.354 χ^2/NDF: 15971096.8/24

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

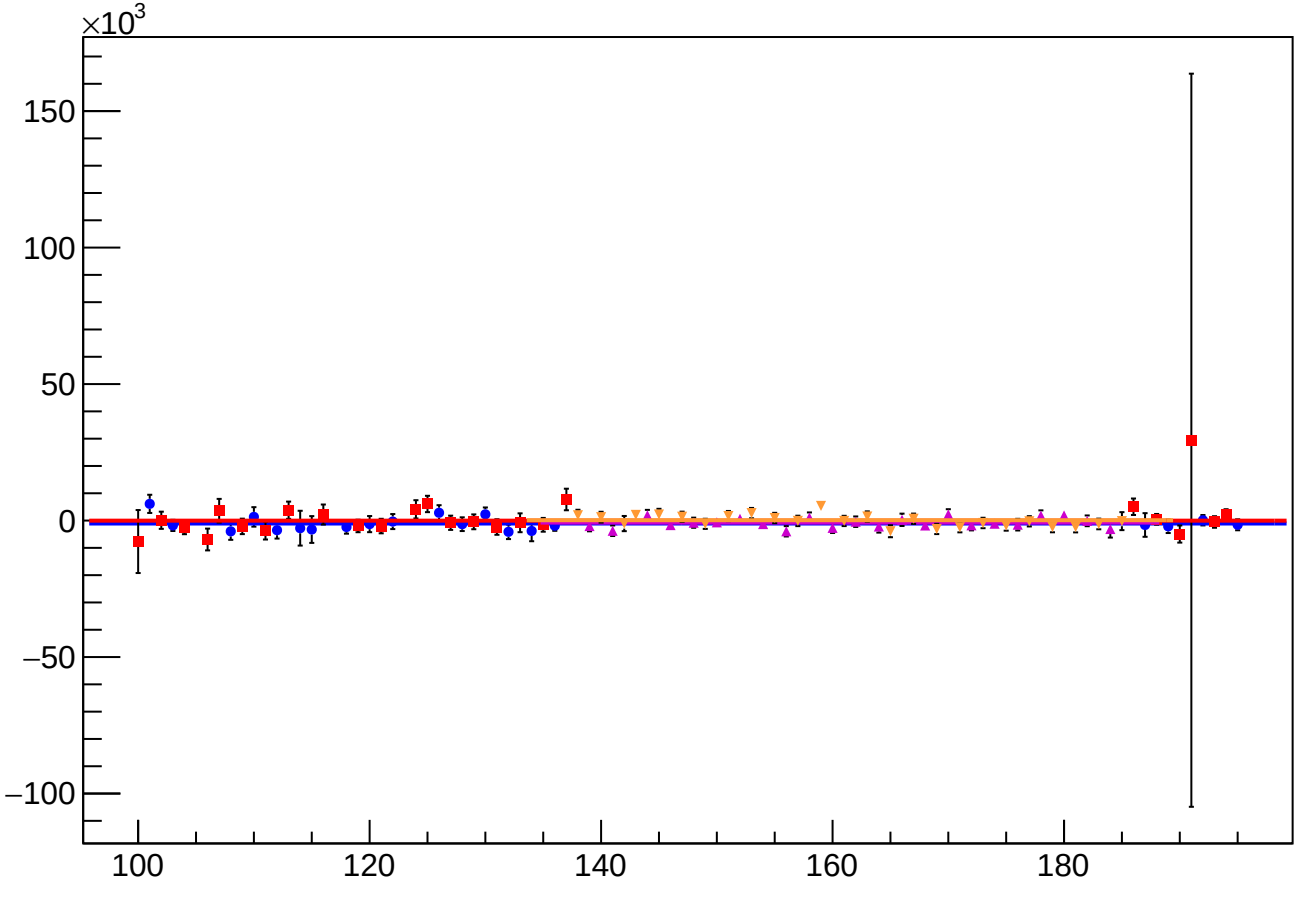
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1214.375+/-0.334 χ^2/NDF: 27618897.9/44

In: 4069.419+/-0.559 χ^2/NDF:2874212.9/42

Out: 1540.532+/-0.312 χ^2/NDF:35386030.2/49

All: 2141.832+/-0.273 χ^2/NDF: 53840218.8/9



Right In: -1080.851+/-599.000 χ^2/NDF: 13.8/19

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -33.772+/-577.252 χ^2/NDF: 27.8/24

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

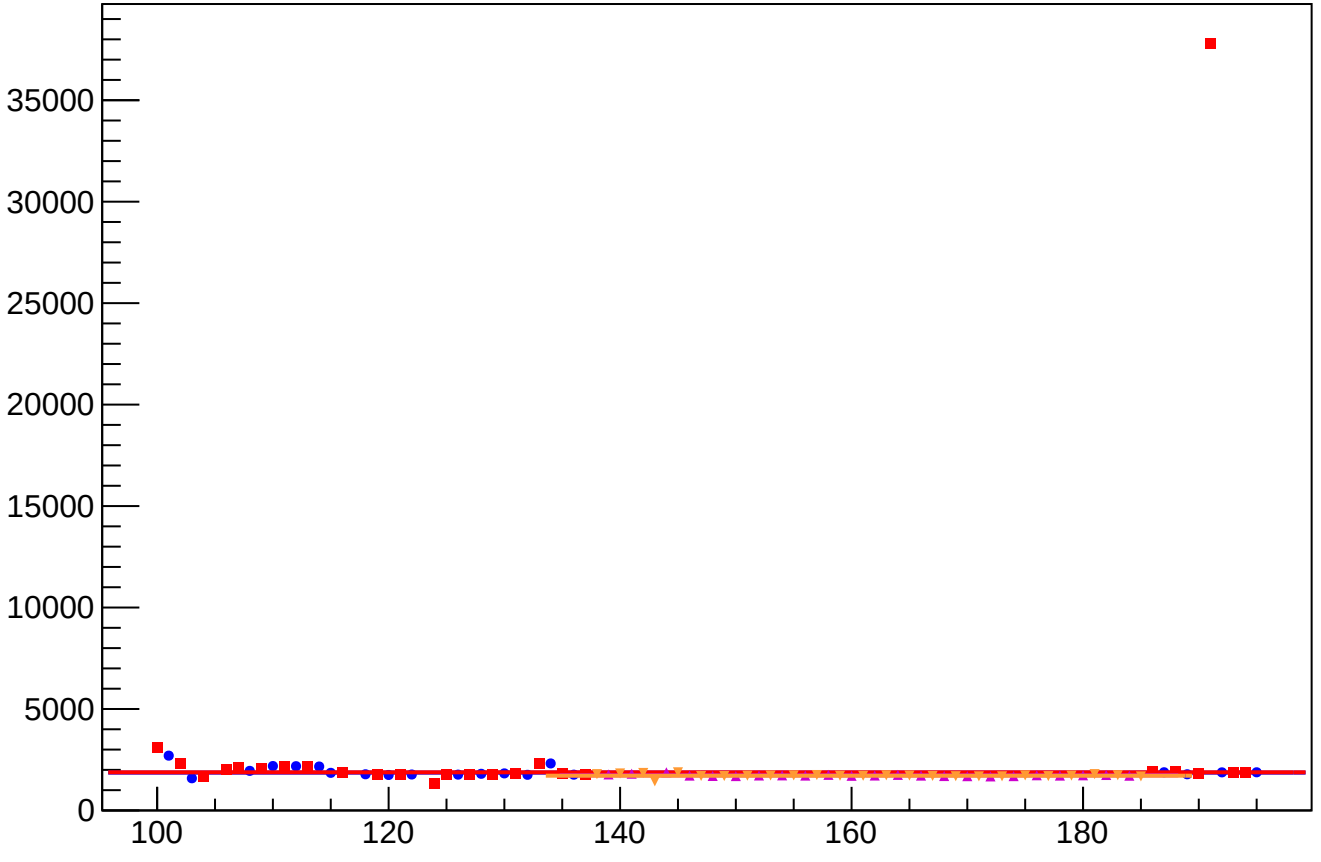
Right: -537.959+/-415.655 χ^2/NDF: 43.3/44

In: -847.448+/-335.031 χ^2/NDF:33.0/42

Out: 71.871+/-322.850 χ^2/NDF:57.6/49

All: -370.774+/-232.476 χ^2/NDF: 94.5/92

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1864.125+/-0.424 χ^2/NDF: 258739.7/19

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1879.709+/-0.408 χ^2/NDF: 407979.9/24

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

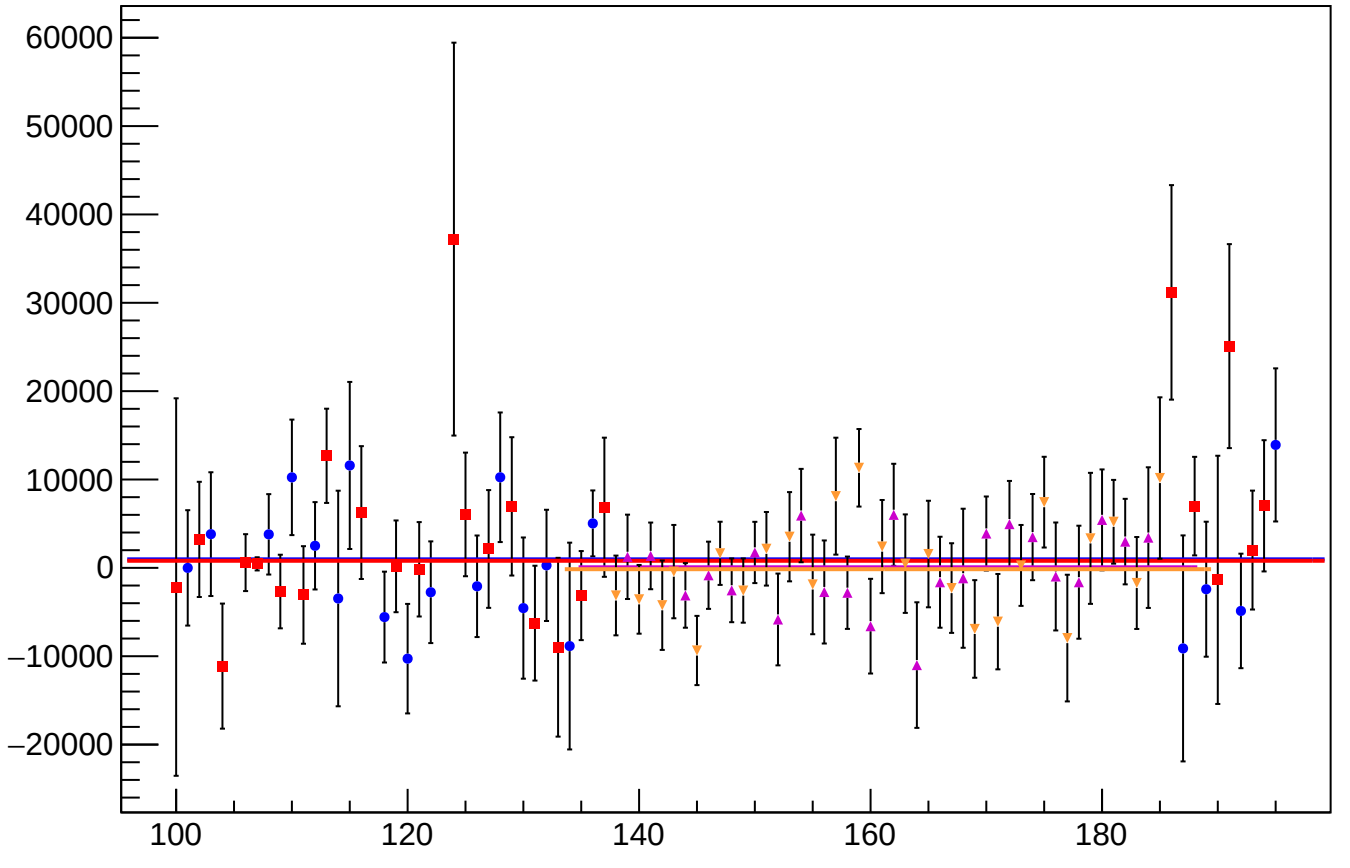
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1872.210+/-0.294 χ^2/NDF: 667421.9/44

In: 1772.194+/-0.237 χ^2/NDF:350371.1/42

Out: 1764.713+/-0.228 χ^2/NDF:618050.0/49

All: 1768.315+/-0.164 χ^2/NDF: 968938.2/92



Right In: 964.171+/-1417.515 χ^2/NDF: 17.5/19

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 803.295+/-645.794 χ^2/NDF: 29.8/24

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

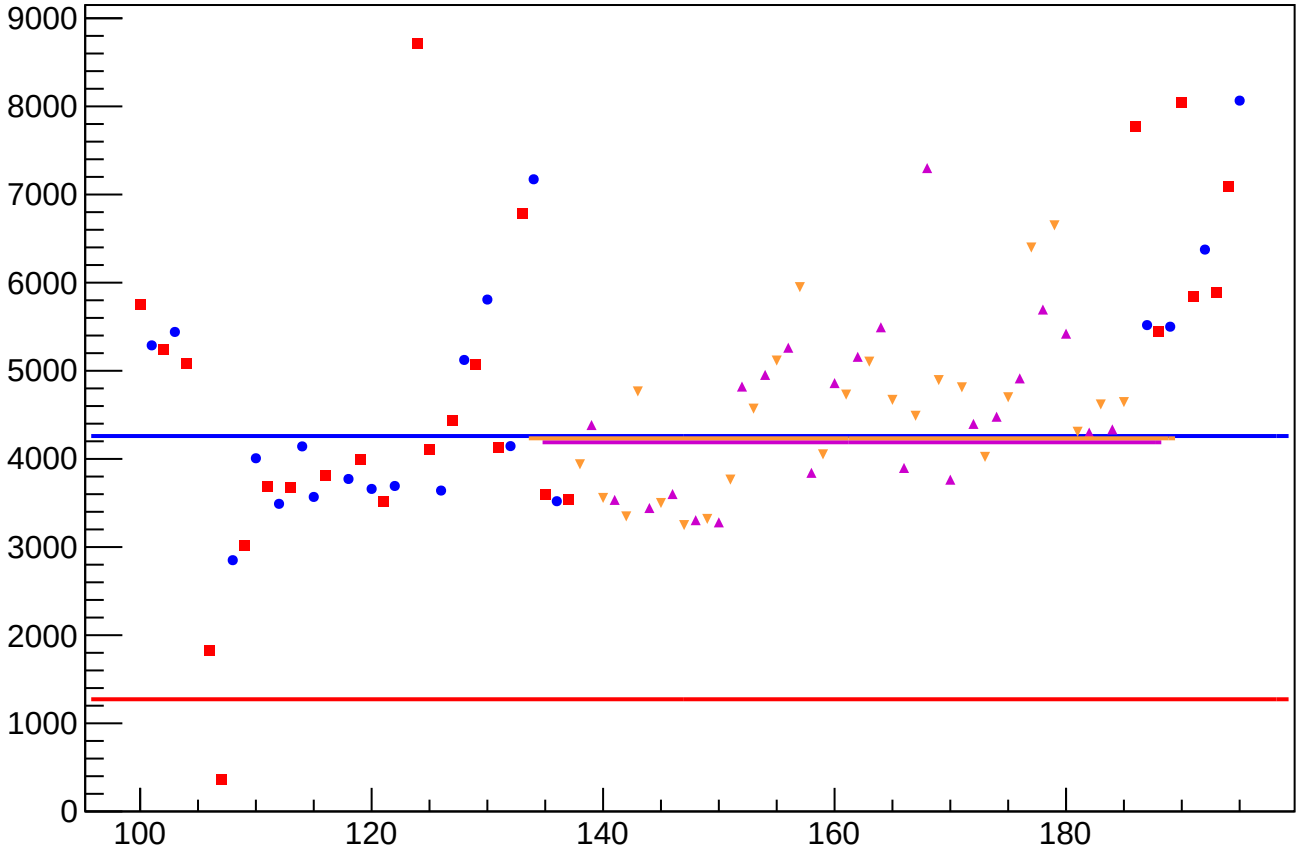
Right: 830.946+/-587.679 χ^2/NDF: 47.4/44

In: 363.948+/-817.188 χ^2/NDF:31.8/42

Out: 516.653+/-540.066 χ^2/NDF:57.4/49

All: 470.232+/-450.561 χ^2/NDF: 89.2/92

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4259.721+/-1.002 χ^2/NDF: 1416783.1/19

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1272.921+/-0.457 χ^2/NDF: 14376024.5/24

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

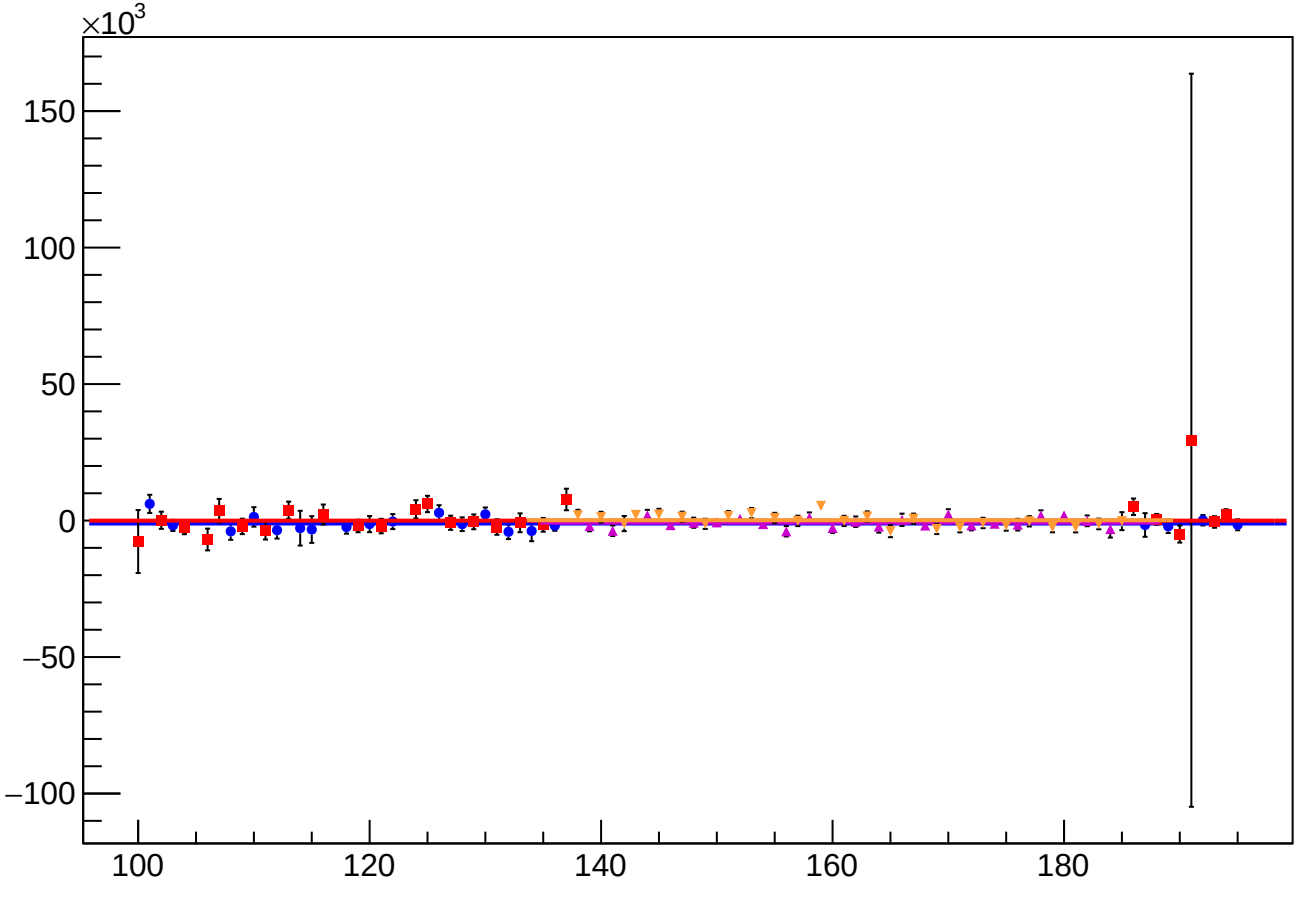
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1786.293+/-0.416 χ^2/NDF: 23146074.2/44

In: 4212.420+/-0.578 χ^2/NDF:2764720.7/42

Out: 2163.087+/-0.382 χ^2/NDF:28300876.5/49

All: 2786.069+/-0.319 χ^2/NDF: 39819951.8/9



Right In: -1080.853+/-599.000 χ^2/NDF: 13.8/19

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -33.776+/-577.252 χ^2/NDF: 27.8/24

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

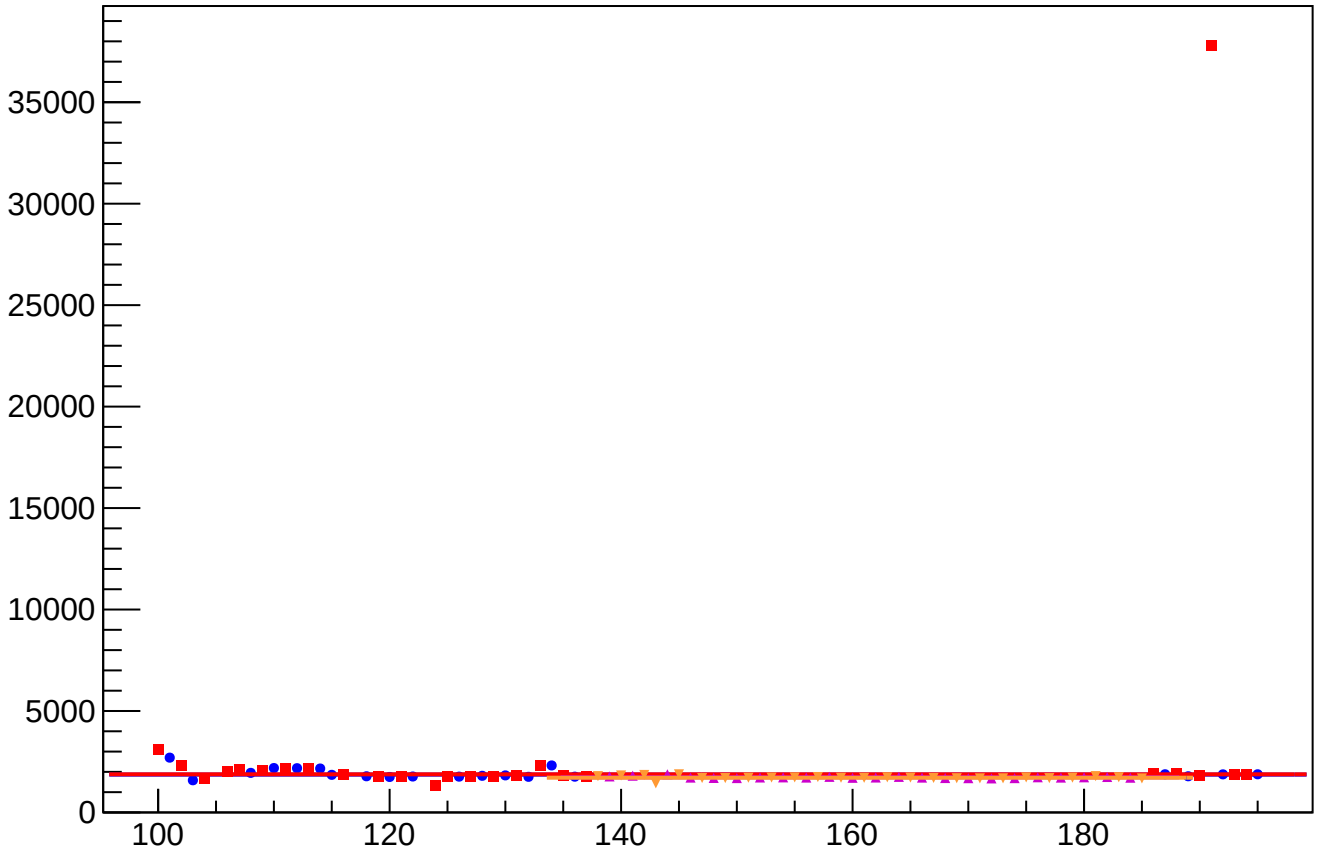
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -537.962+/-415.655 χ^2/NDF: 43.3/44

In: -847.448+/-335.031 χ^2/NDF:33.0/42

Out: 71.872+/-322.850 χ^2/NDF:57.6/49

All: -370.773+/-232.476 χ^2/NDF: 94.5/92



Right In: 1864.125+/-0.424 χ^2/NDF: 258739.6/19

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1879.709+/-0.408 χ^2/NDF: 407980.3/24

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

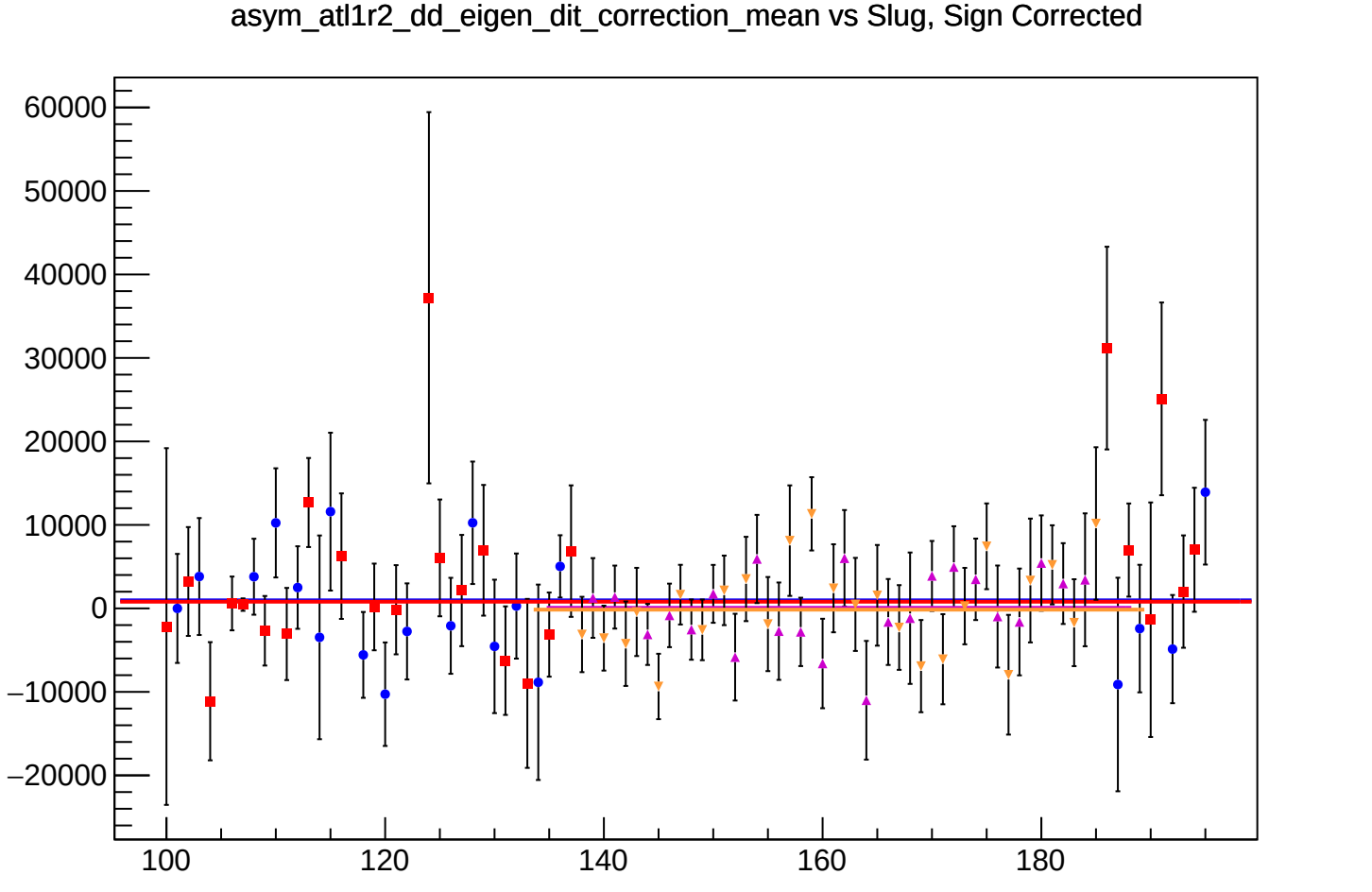
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

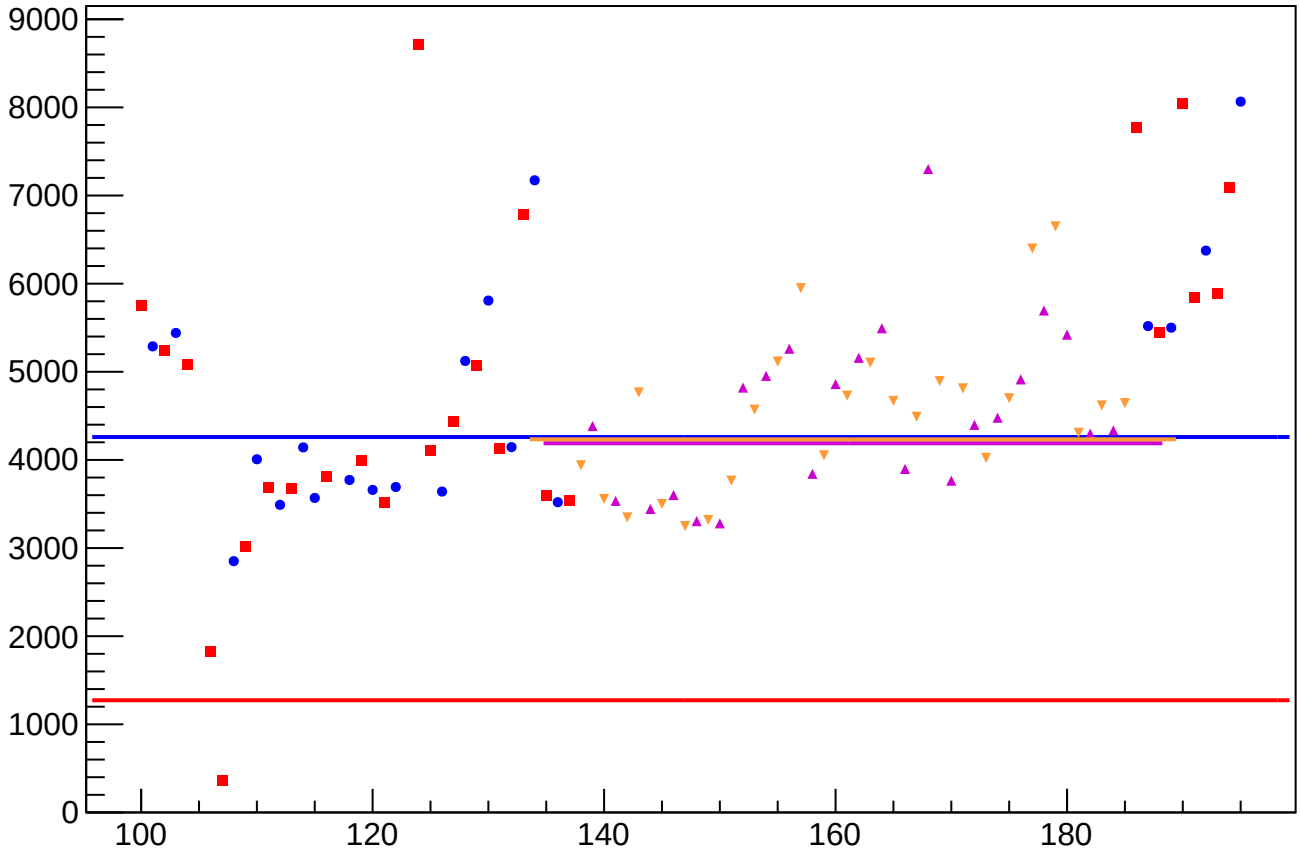
Right: 1872.210+/-0.294 χ^2/NDF: 667422.2/44

In: 1772.194+/-0.237 χ^2/NDF:350370.3/42

Out: 1764.714+/-0.228 χ^2/NDF:618048.5/49

All: 1768.315+/-0.164 χ^2/NDF: 968935.8/92


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 964.153+/-1417.513 χ²/NDF: 17.5/19
Left Out: -150.169+/-984.986 χ²/NDF:26.9/24
Right Out: 803.312+/-645.804 χ²/NDF: 29.8/24
Left In: 65.171+/-1000.108 χ²/NDF:14.0/22
Left: -44.139+/-701.775 χ²/NDF: 40.9/47
Right: 830.958+/-587.687 χ²/NDF: 47.4/44
In: 363.944+/-817.189 χ²/NDF:31.8/42
Out: 516.659+/-540.072 χ²/NDF:57.4/49
All: 470.234+/-450.565 χ²/NDF: 89.2/92



Right In: 4259.715+/-1.002 χ^2/NDF: 1416786.7/19

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1272.957+/-0.457 χ^2/NDF: 14375833.6/24

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

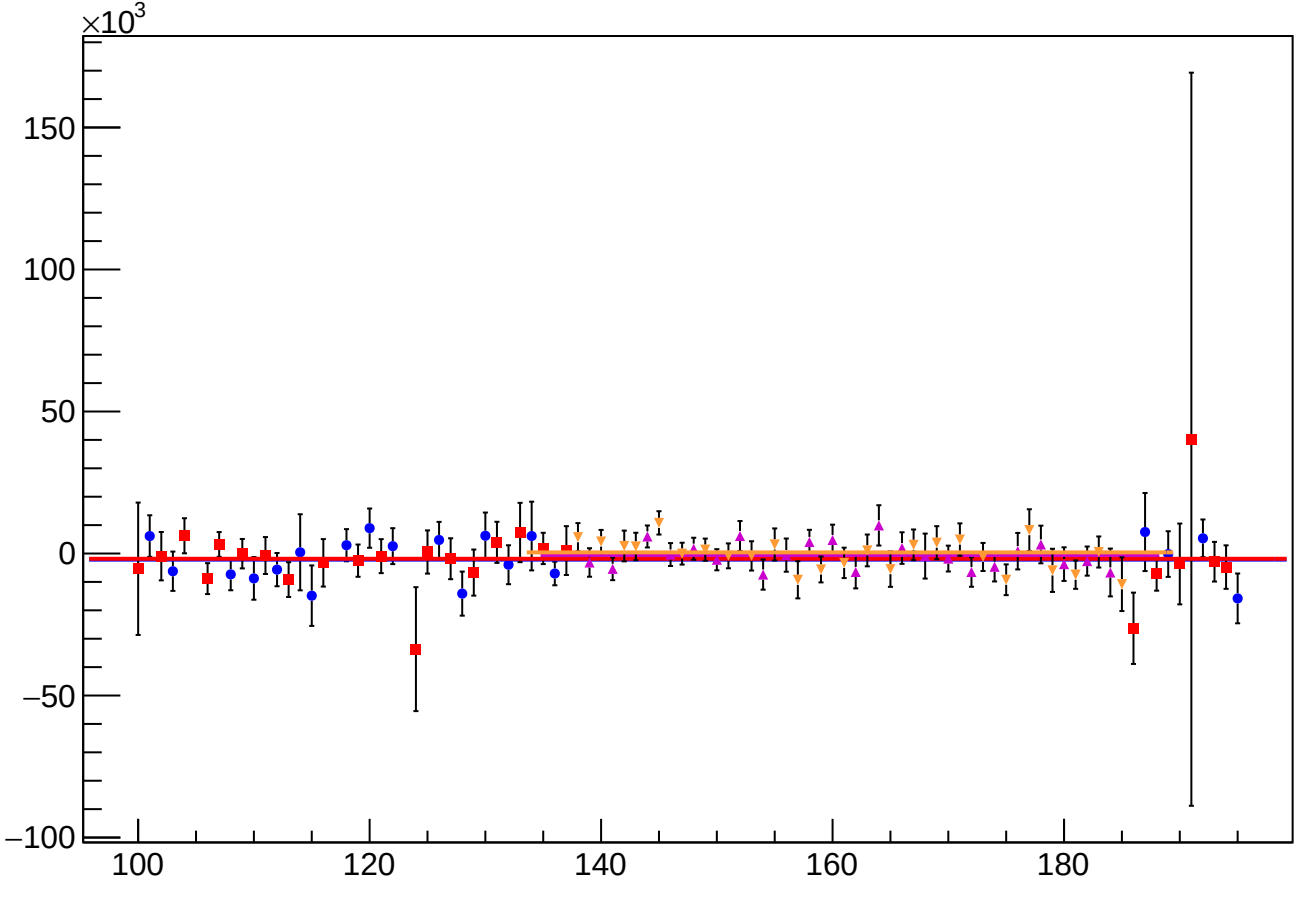
Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

Right: 1786.336+/-0.416 χ^2/NDF: 23145657.3/44

In: 4212.422+/-0.578 χ^2/NDF:2764728.2/42

Out: 2163.132+/-0.382 χ^2/NDF:28300287.3/49

All: 2786.110+/-0.319 χ^2/NDF: 39818938.2/9



Right In: -2142.979+/-1563.911 χ^2/NDF: 19.8/19

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1852.107+/-1420.299 χ^2/NDF: 15.9/24

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

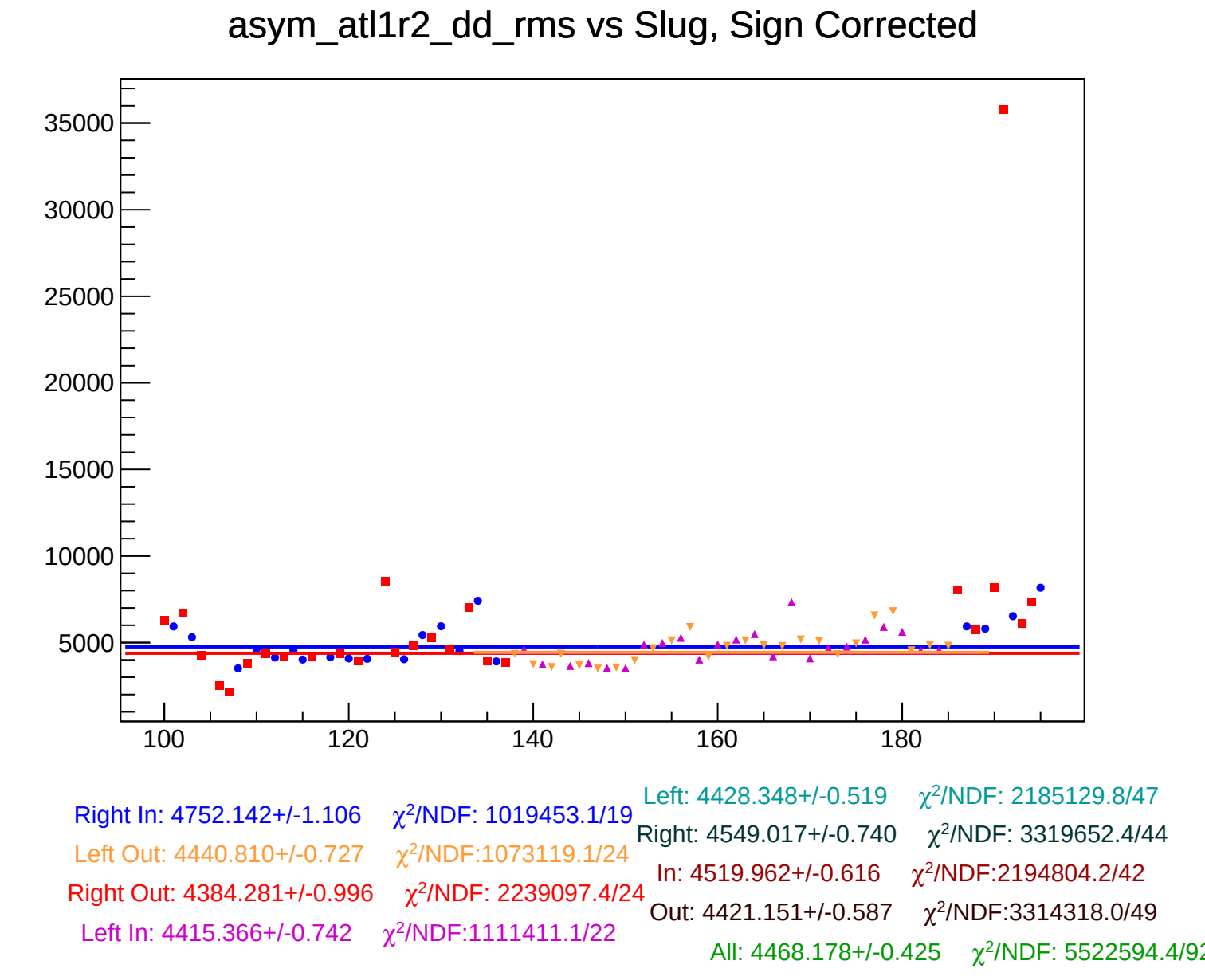
Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

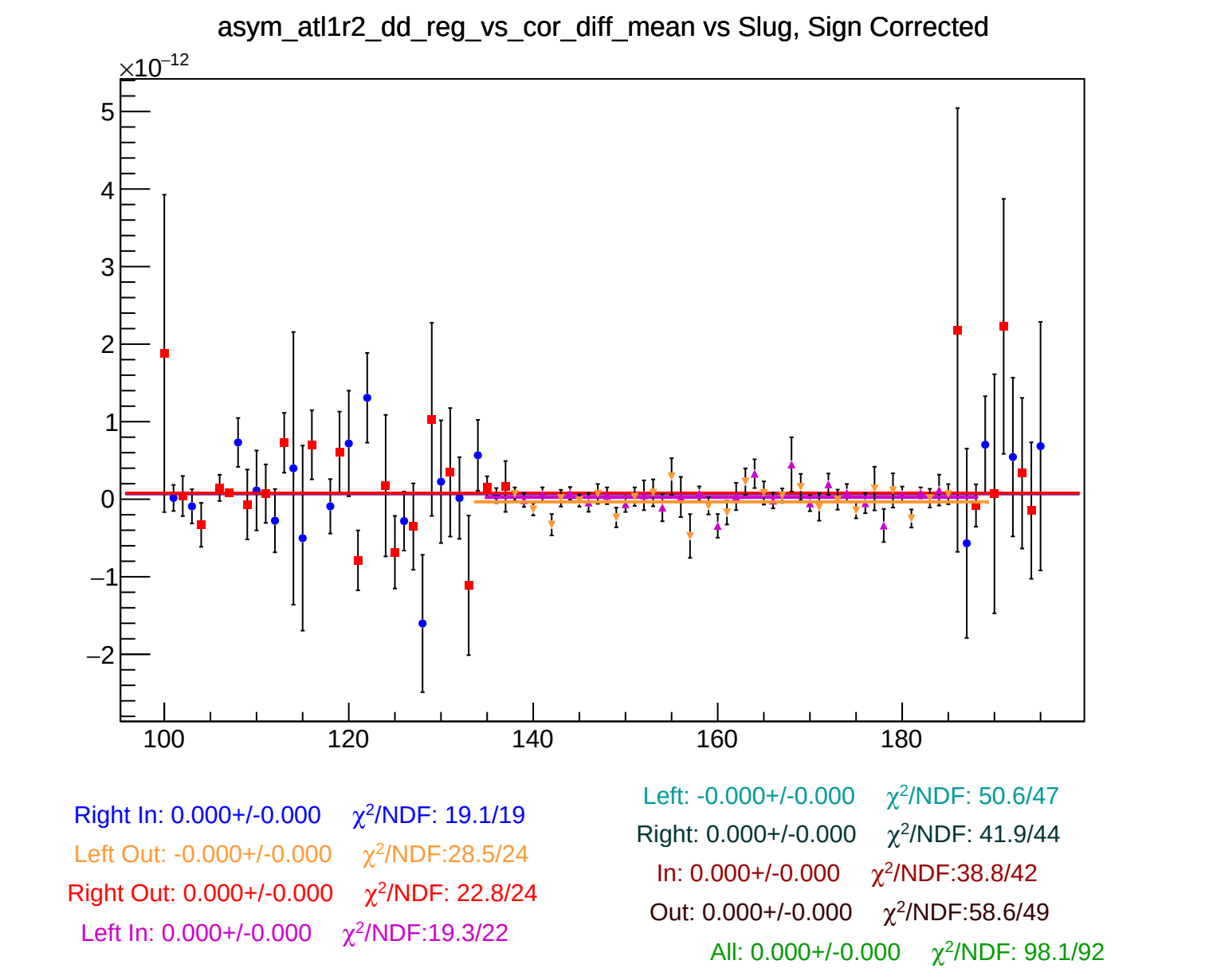
Right: -1983.578+/-1051.417 χ^2/NDF: 35.7/44

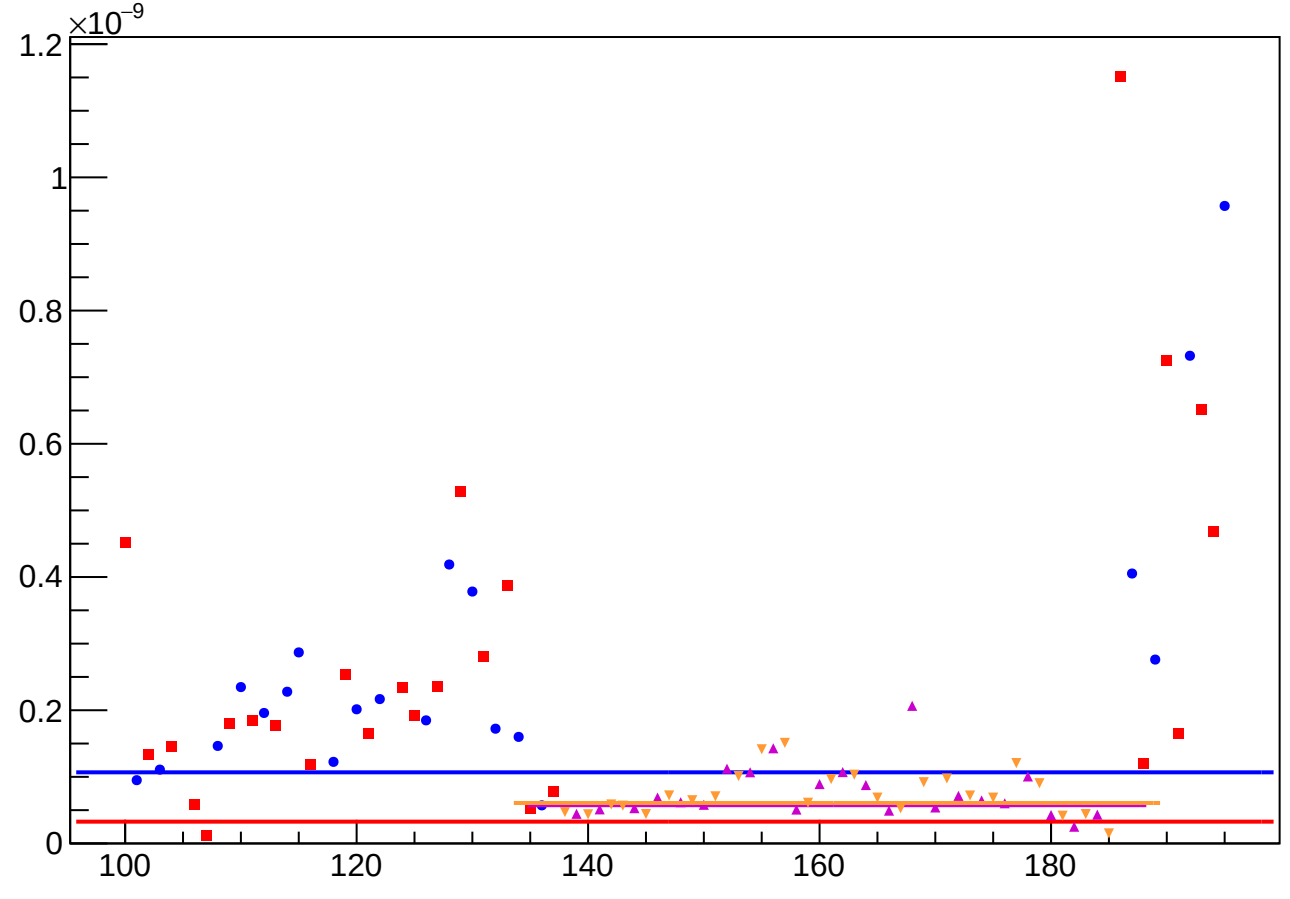
In: -1012.345+/-871.564 χ^2/NDF:37.9/42

Out: -375.742+/-832.987 χ^2/NDF:42.3/49

All: -679.643+/-602.187 χ^2/NDF: 80.5/92


asym_atl1r2_dd_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 4752.142+/-1.106 χ²/NDF: 1019453.1/19
Left Out: 4440.810+/-0.727 χ²/NDF:1073119.1/24
Right Out: 4384.281+/-0.996 χ²/NDF: 2239097.4/24
Left In: 4415.366+/-0.742 χ²/NDF:1111411.1/22
Left: 4428.348+/-0.519 χ²/NDF: 2185129.8/47
Right: 4549.017+/-0.740 χ²/NDF: 3319652.4/44
In: 4519.962+/-0.616 χ²/NDF:2194804.2/42
Out: 4421.151+/-0.587 χ²/NDF:3314318.0/49
All: 4468.178+/-0.425 χ²/NDF: 5522594.4/92


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 19.1/19
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.8/24
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: -0.000+/-0.000 χ²/NDF: 50.6/47
Right: 0.000+/-0.000 χ²/NDF: 41.9/44
In: 0.000+/-0.000 χ²/NDF:38.8/42
Out: 0.000+/-0.000 χ²/NDF:58.6/49
All: 0.000+/-0.000 χ²/NDF: 98.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 3161697.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6608202.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

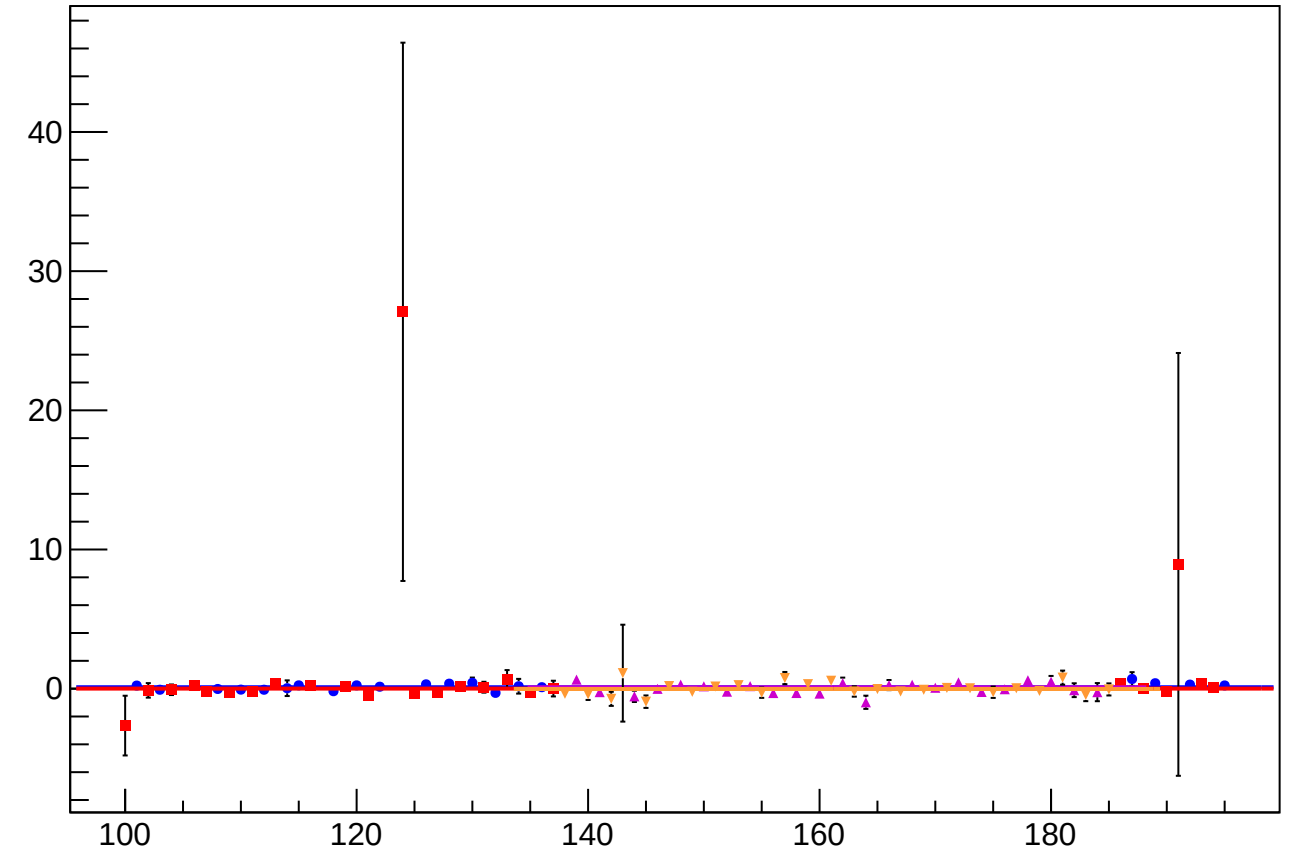
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11718986.3/44

In: 0.000+/-0.000 χ^2/NDF:5986983.1/42

Out: 0.000+/-0.000 χ^2/NDF:9259529.3/49

All: 0.000+/-0.000 χ^2/NDF: 15586252.0/92



Right In: 0.103+/-0.060 χ^2/NDF: 12.1/19

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.051 χ^2/NDF: 26.4/24

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

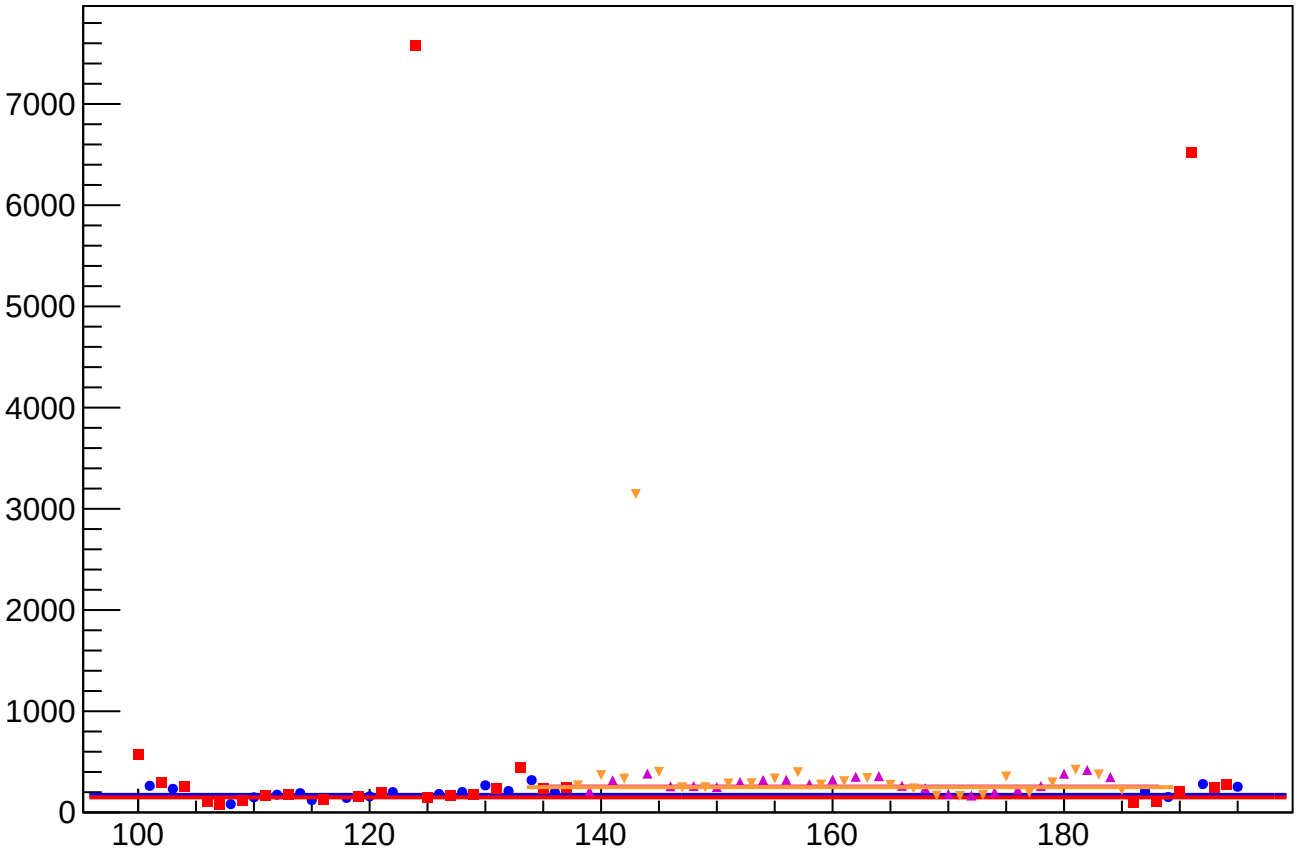
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.046+/-0.039 χ^2/NDF: 40.0/44

In: 0.099+/-0.044 χ^2/NDF:43.6/42

Out: -0.007+/-0.039 χ^2/NDF:50.1/49

All: 0.041+/-0.029 χ^2/NDF: 97.0/92



Right In: 173.503+/-0.043 χ^2/NDF: 1967406.2/19

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 149.006+/-0.036 χ^2/NDF: 3358412.7/24

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

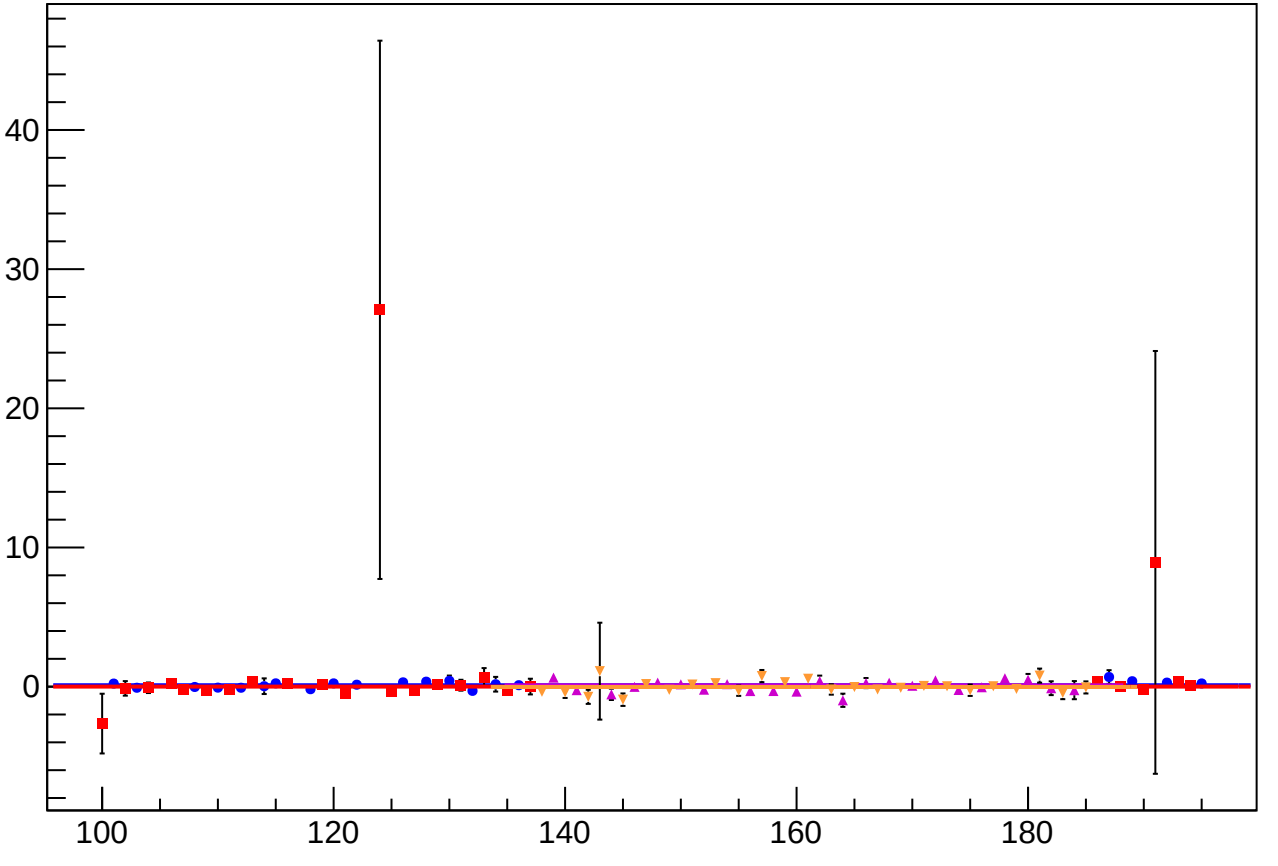
Right: 159.346+/-0.028 χ^2/NDF: 5517555.3/44

In: 212.507+/-0.031 χ^2/NDF:5842689.3/42

Out: 190.385+/-0.028 χ^2/NDF:10751526.0/49

All: 200.373+/-0.021 χ^2/NDF: 16877867.1/92

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.103+/-0.060 χ^2/NDF: 12.1/19

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.051 χ^2/NDF: 26.4/24

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

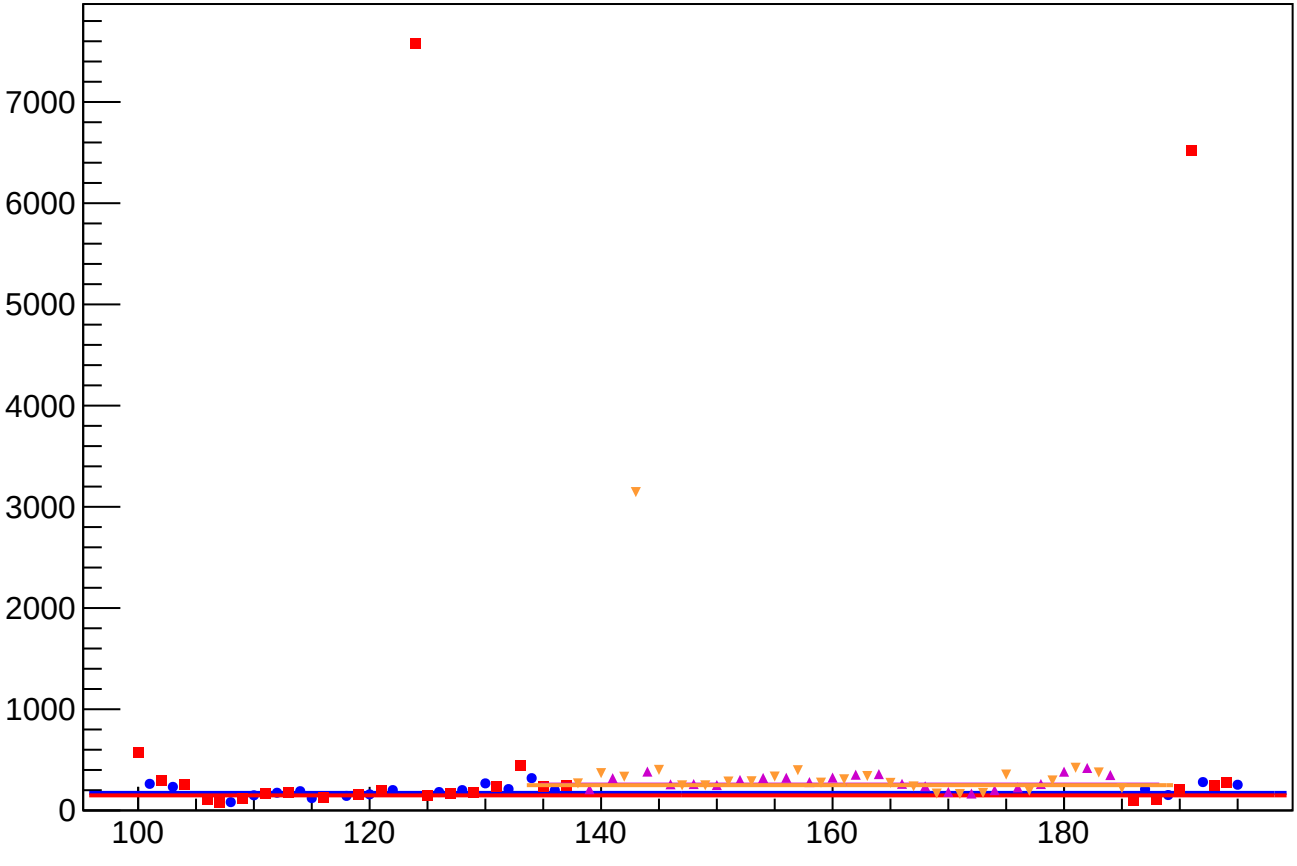
Right: 0.046+/-0.039 χ^2/NDF: 40.0/44

In: 0.099+/-0.044 χ^2/NDF:43.6/42

Out: -0.007+/-0.039 χ^2/NDF:50.1/49

All: 0.041+/-0.029 χ^2/NDF: 97.0/92

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 173.503+/-0.043 χ^2/NDF: 1967406.2/19

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 149.006+/-0.036 χ^2/NDF: 3358412.7/24

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

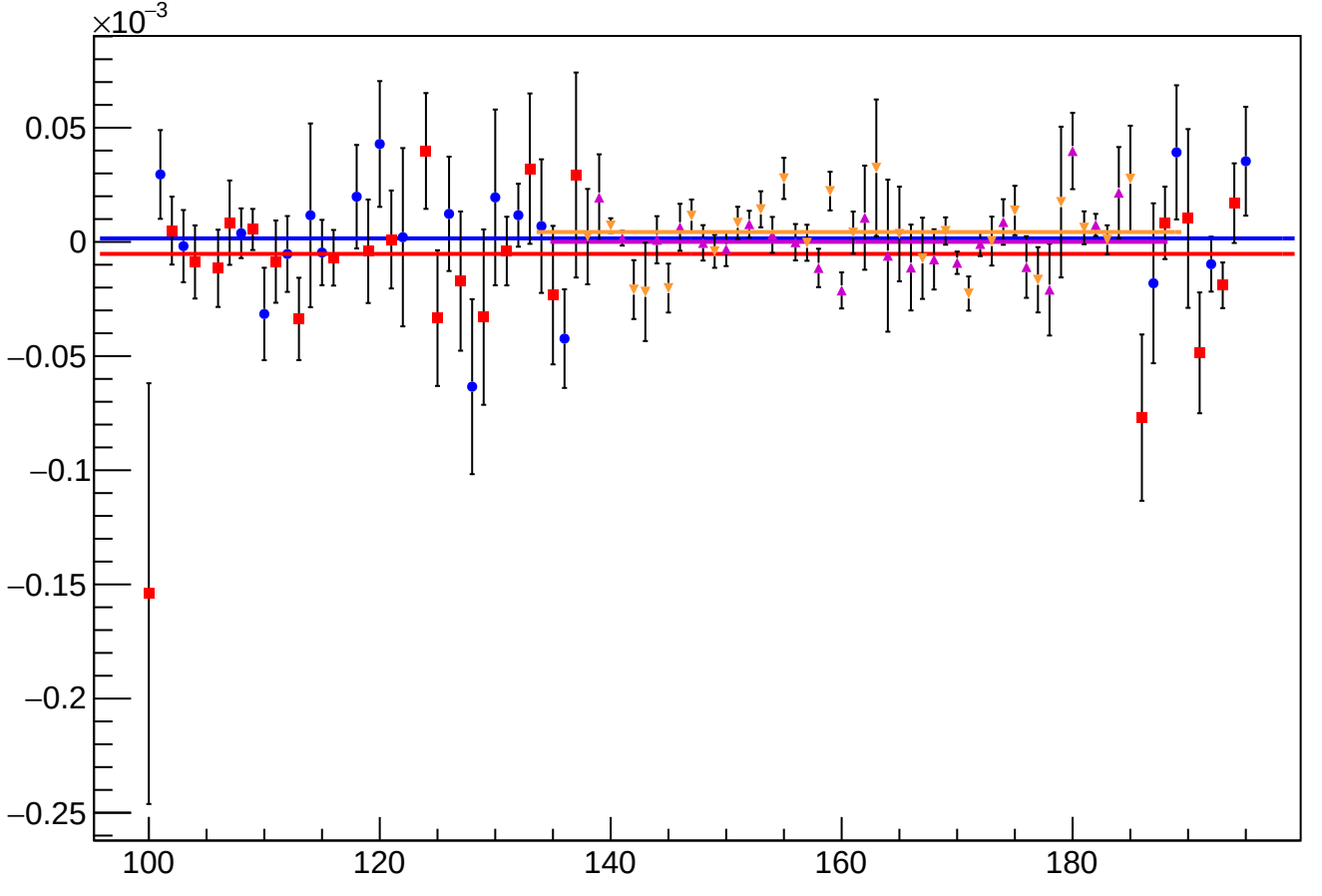
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 159.346+/-0.028 χ^2/NDF: 5517555.3/44

In: 212.507+/-0.031 χ^2/NDF:5842689.3/42

Out: 190.385+/-0.028 χ^2/NDF:10751526.0/49

All: 200.373+/-0.021 χ^2/NDF: 16877867.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

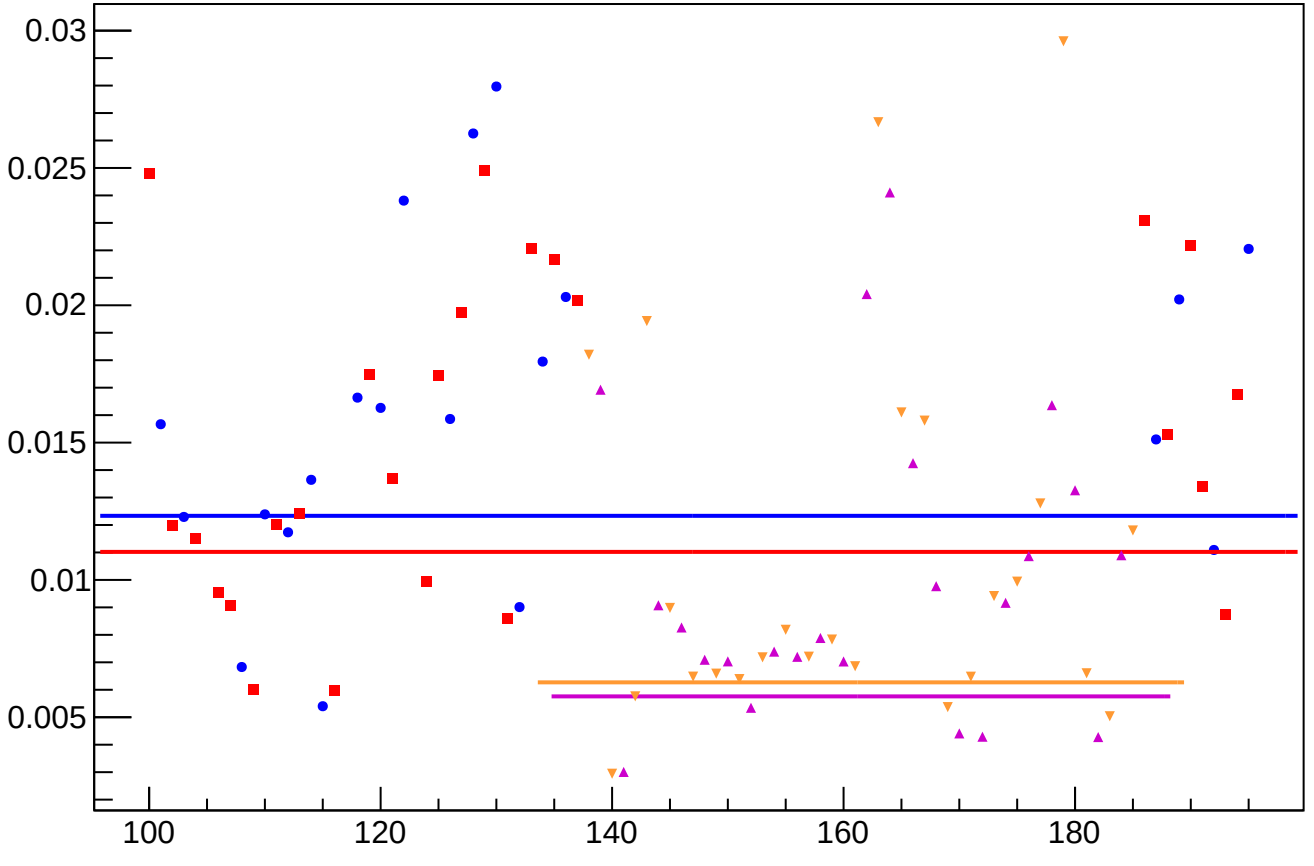
Right: -0.000+/-0.000 χ^2/NDF: 48.2/44

In: 0.000+/-0.000 χ^2/NDF:50.1/42

Out: 0.000+/-0.000 χ^2/NDF:77.6/49

All: 0.000+/-0.000 χ^2/NDF: 129.1/92

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2936716.4/19

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 3256043.7/24

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

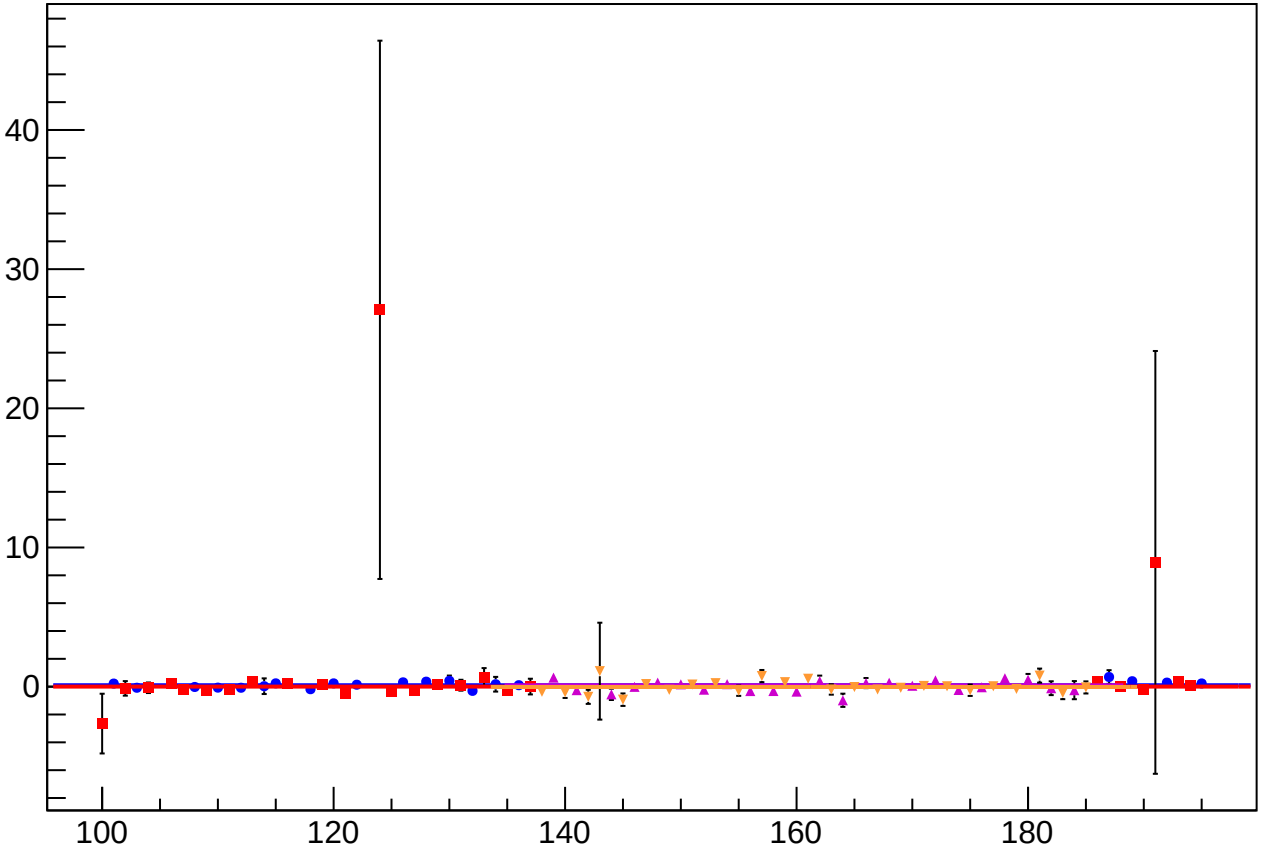
Right: 0.012+/-0.000 χ^2/NDF: 6299990.5/44

In: 0.007+/-0.000 χ^2/NDF:14046311.0/42

Out: 0.007+/-0.000 χ^2/NDF:13999546.4/49

All: 0.007+/-0.000 χ^2/NDF: 28185389.2/92

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.103+/-0.060 χ^2/NDF: 12.1/19

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.051 χ^2/NDF: 26.4/24

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

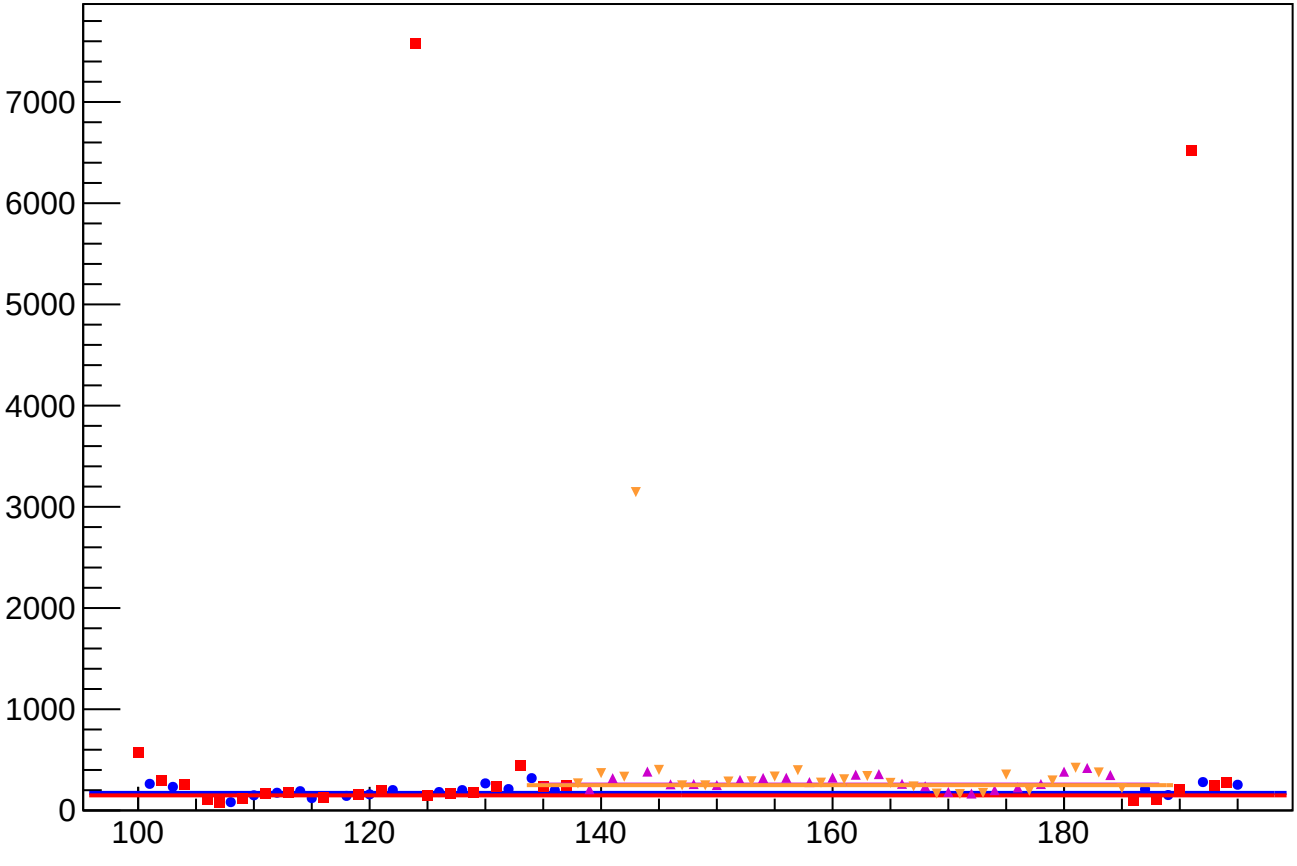
Right: 0.046+/-0.039 χ^2/NDF: 40.0/44

In: 0.099+/-0.044 χ^2/NDF:43.6/42

Out: -0.007+/-0.039 χ^2/NDF:50.1/49

All: 0.041+/-0.029 χ^2/NDF: 97.0/92

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 173.501+/-0.043 χ^2/NDF: 1967403.4/19

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 149.008+/-0.036 χ^2/NDF: 3358293.2/24

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

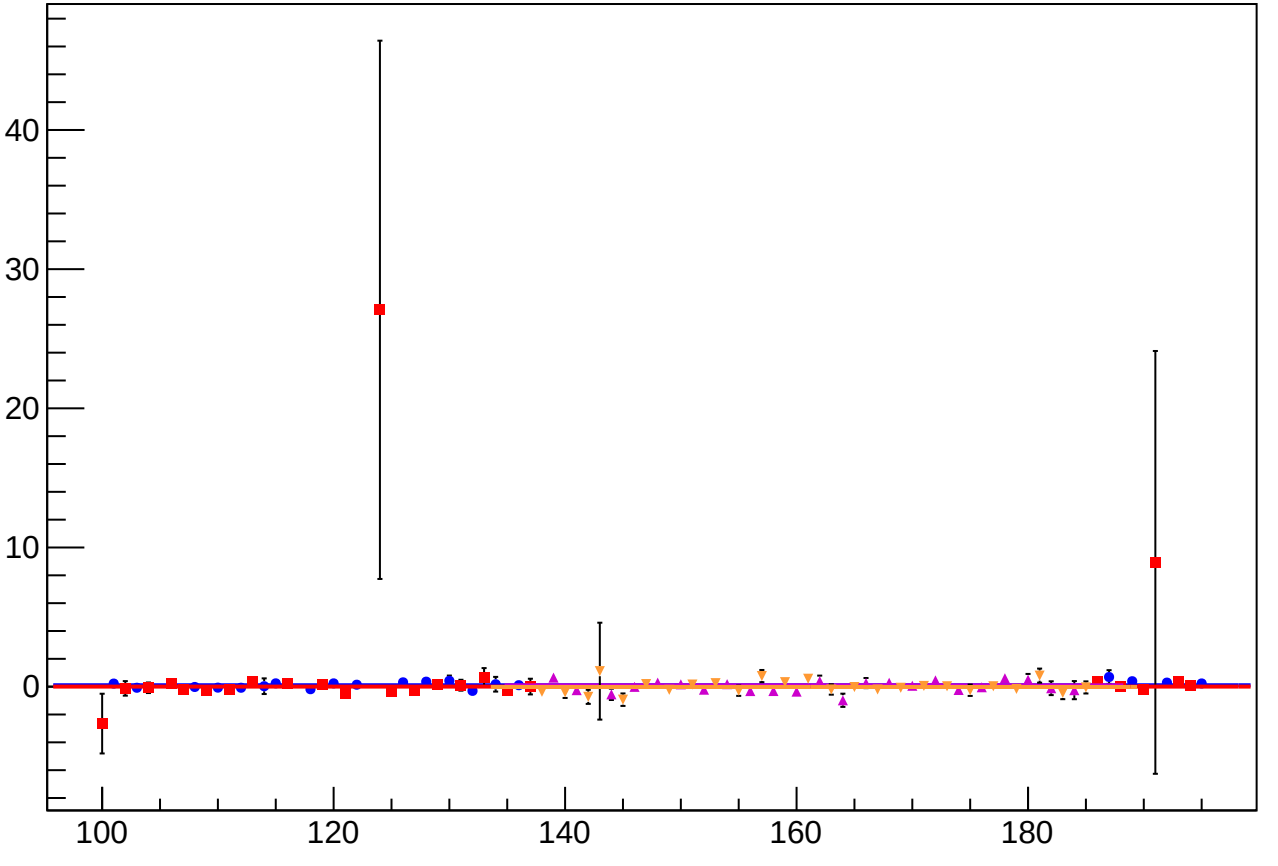
Right: 159.346+/-0.028 χ^2/NDF: 5517366.8/44

In: 212.506+/-0.031 χ^2/NDF:5842912.2/42

Out: 190.387+/-0.028 χ^2/NDF:10751409.0/49

All: 200.374+/-0.021 χ^2/NDF: 16877895.8/92

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.103+/-0.060 χ^2/NDF: 12.1/19

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.051 χ^2/NDF: 26.4/24

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

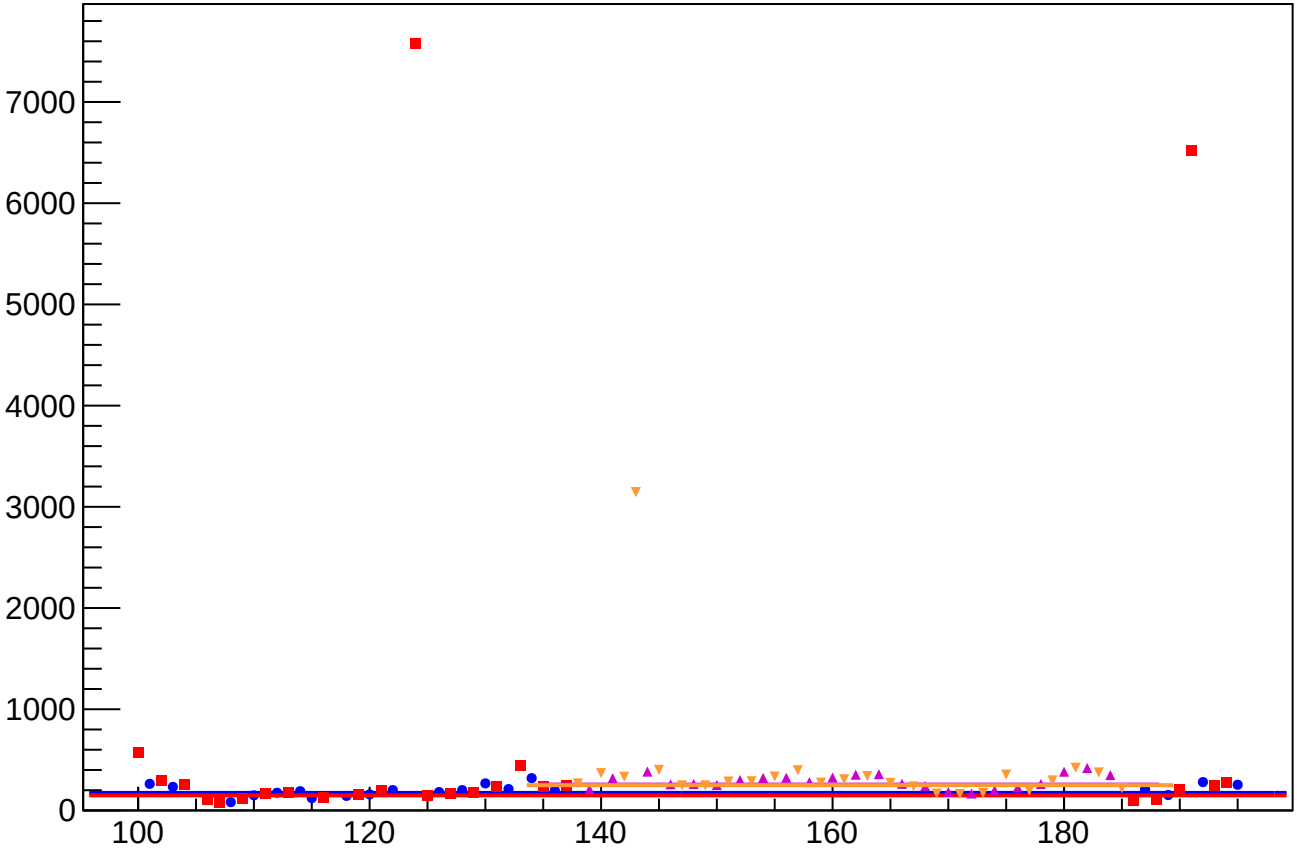
Right: 0.046+/-0.039 χ^2/NDF: 40.0/44

In: 0.099+/-0.044 χ^2/NDF:43.6/42

Out: -0.007+/-0.039 χ^2/NDF:50.1/49

All: 0.041+/-0.029 χ^2/NDF: 97.0/92

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 173.501+/-0.043 χ^2/NDF: 1967403.4/19

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 149.008+/-0.036 χ^2/NDF: 3358293.2/24

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

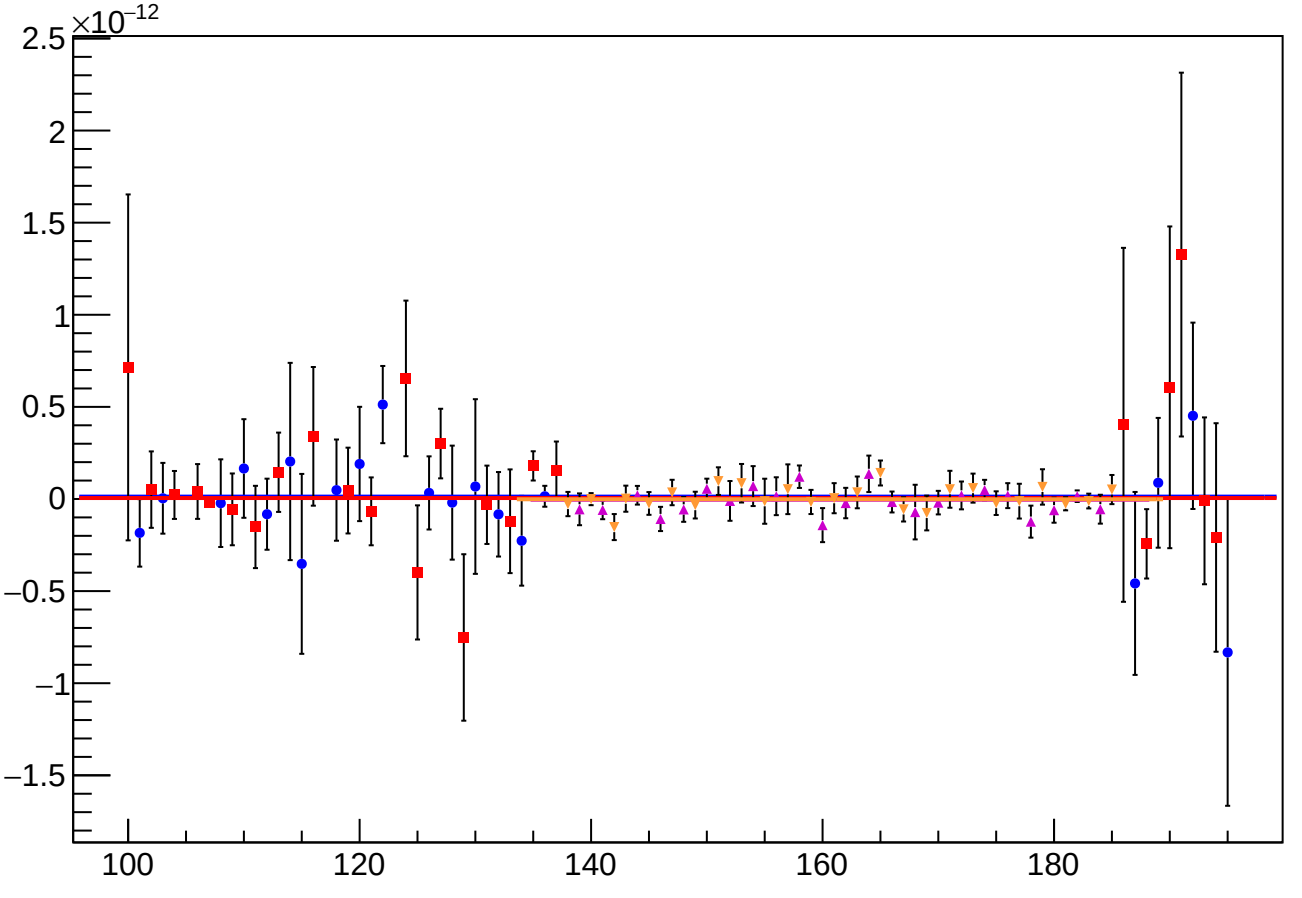
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 159.346+/-0.028 χ^2/NDF: 5517366.8/44

In: 212.506+/-0.031 χ^2/NDF:5842912.2/42

Out: 190.387+/-0.028 χ^2/NDF:10751409.0/49

All: 200.374+/-0.021 χ^2/NDF: 16877895.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 12.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/24

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

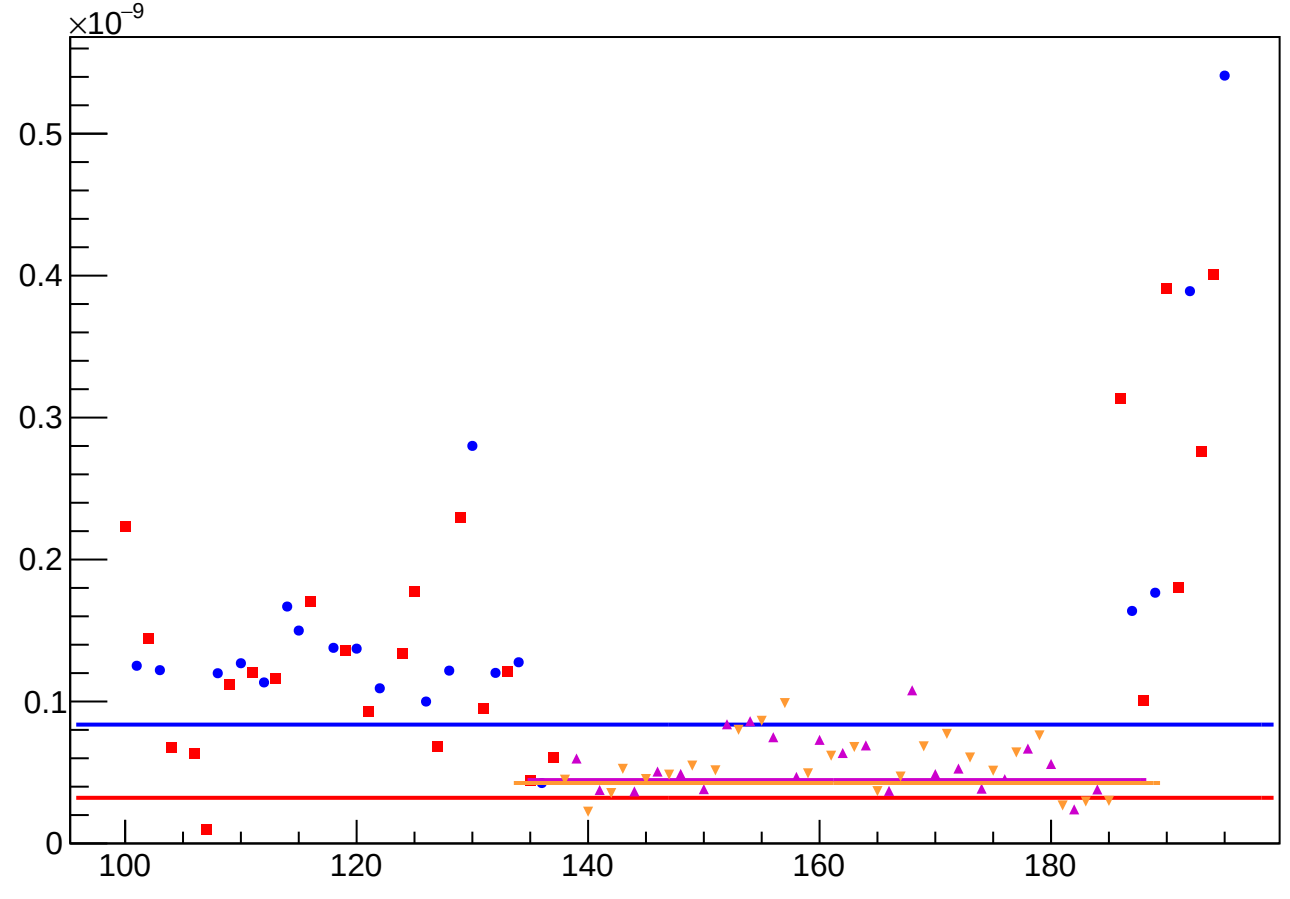
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 35.1/44

In: -0.000+/-0.000 χ^2/NDF:32.4/42

Out: 0.000+/-0.000 χ^2/NDF:39.1/49

All: -0.000+/-0.000 χ^2/NDF: 71.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 3656495.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7618957.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

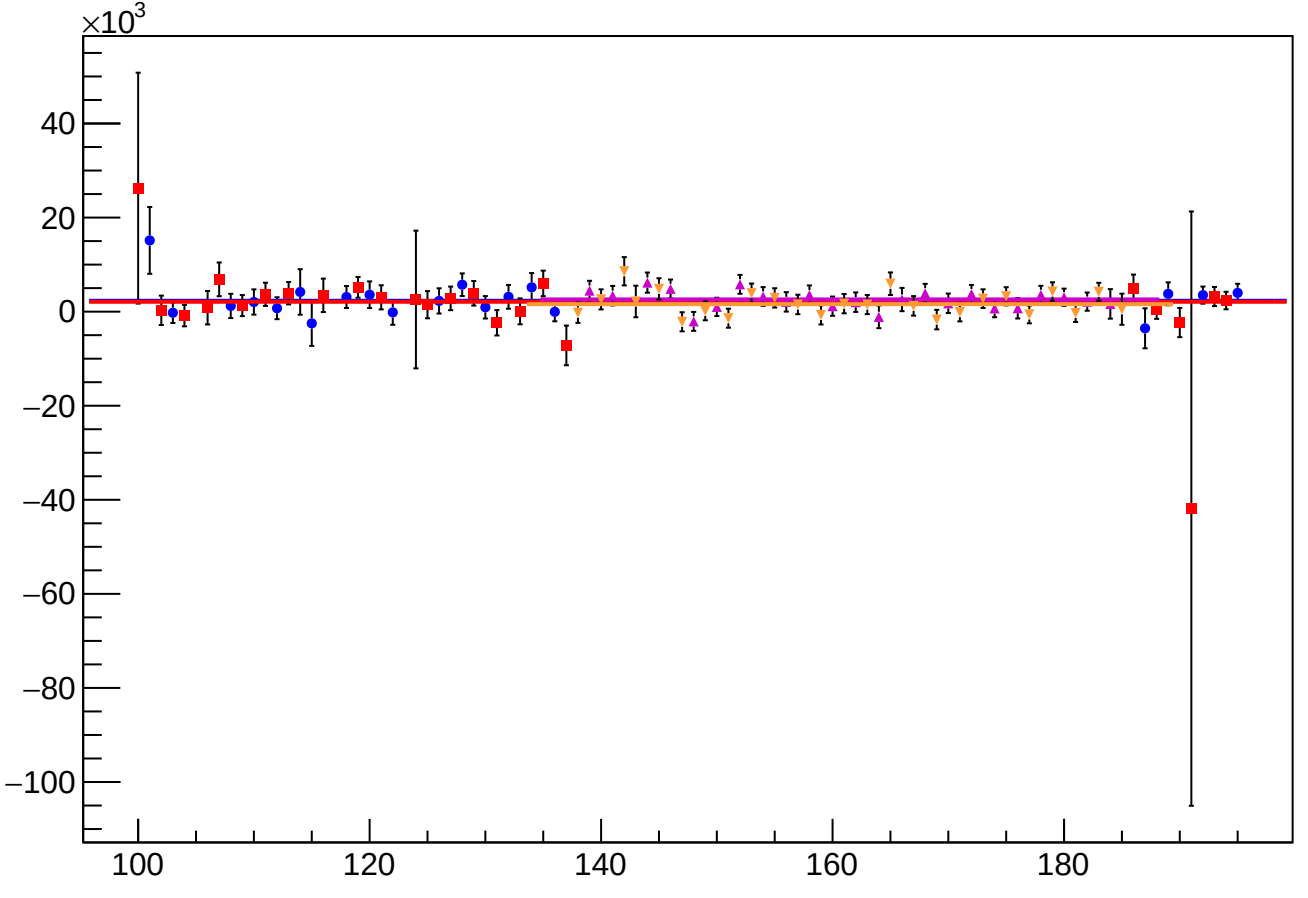
Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13629959.4/44

In: 0.000+/-0.000 χ^2/NDF:8112436.4/42

Out: 0.000+/-0.000 χ^2/NDF:11586896.6/49

All: 0.000+/-0.000 χ^2/NDF: 20174271.8/92



Right In: 2308.509+/-573.644 χ^2/NDF: 15.8/19

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2104.930+/-547.965 χ^2/NDF: 23.4/24

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

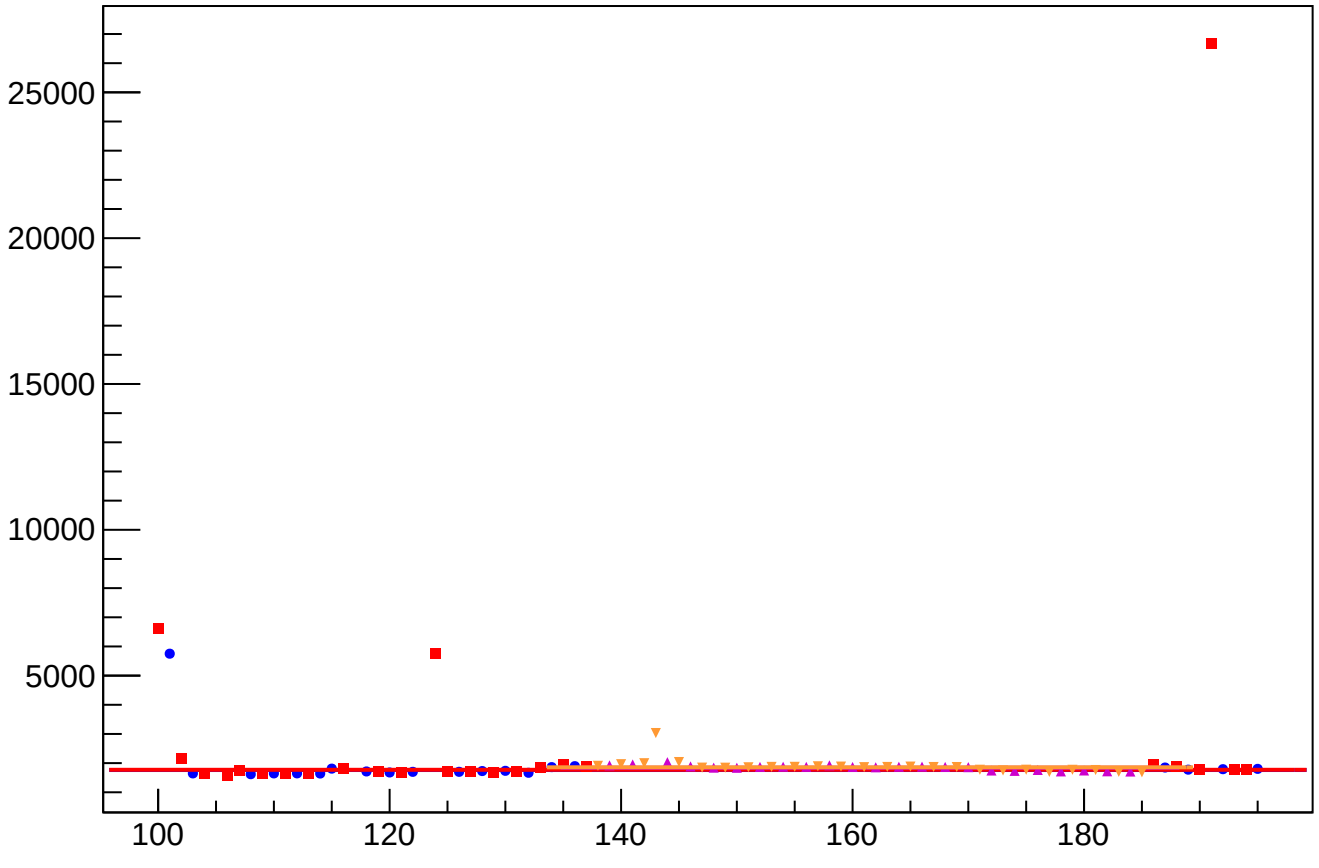
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2202.061+/-396.237 χ^2/NDF: 39.3/44

In: 2493.598+/-344.217 χ^2/NDF:36.1/42

Out: 1783.985+/-334.988 χ^2/NDF:55.2/49

All: 2129.151+/-240.069 χ^2/NDF: 93.5/92



Right In: 1763.286+/-0.406 χ^2/NDF: 673467.9/19

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1770.732+/-0.385 χ^2/NDF: 638480.9/24

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

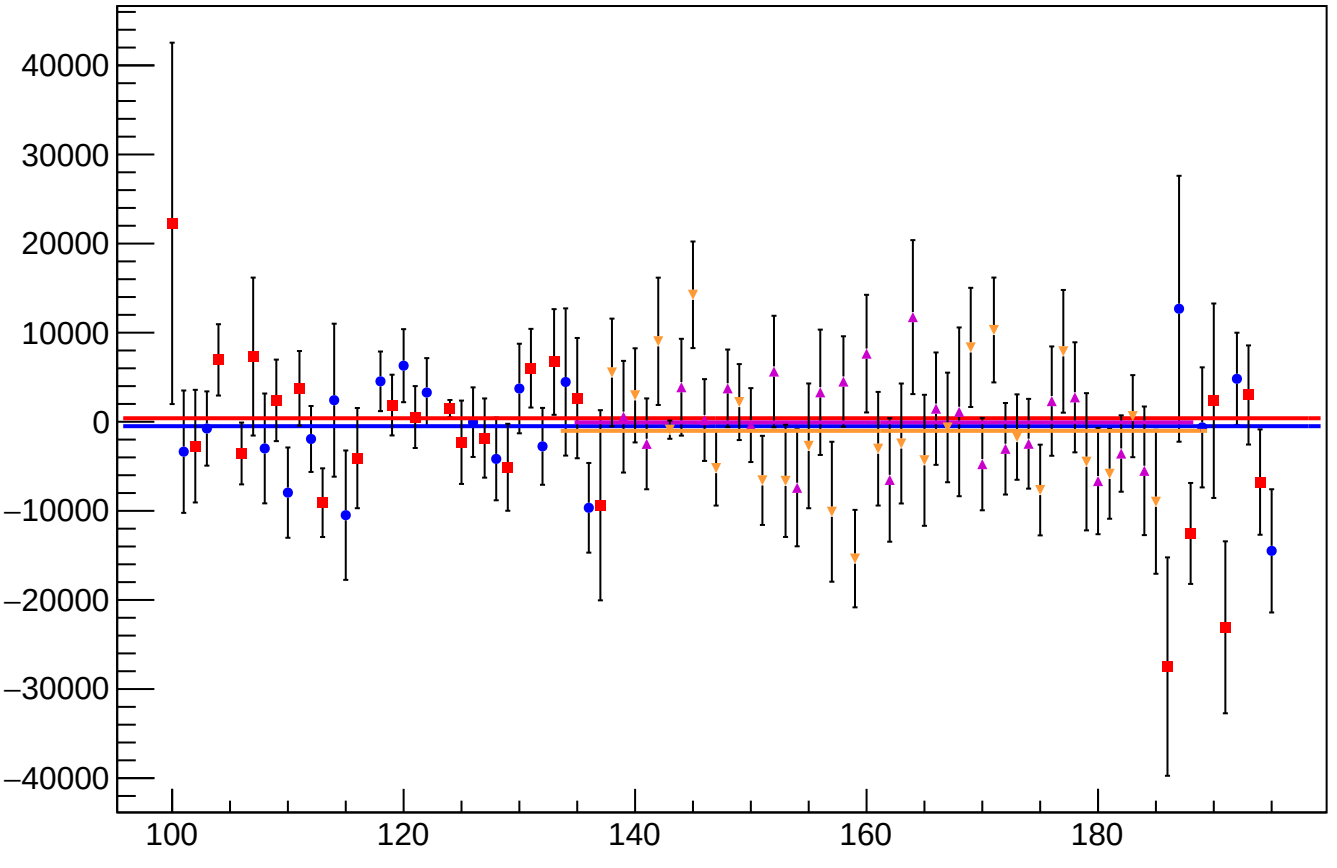
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1767.199+/-0.279 χ^2/NDF: 1312125.9/44

In: 1813.006+/-0.243 χ^2/NDF:767931.9/42

Out: 1823.652+/-0.236 χ^2/NDF:992959.8/49

All: 1818.484+/-0.170 χ^2/NDF: 1761876.2/92



Right In: -496.560+/-1111.288 χ^2/NDF: 21.9/19

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 394.977+/-704.212 χ^2/NDF: 38.6/24

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

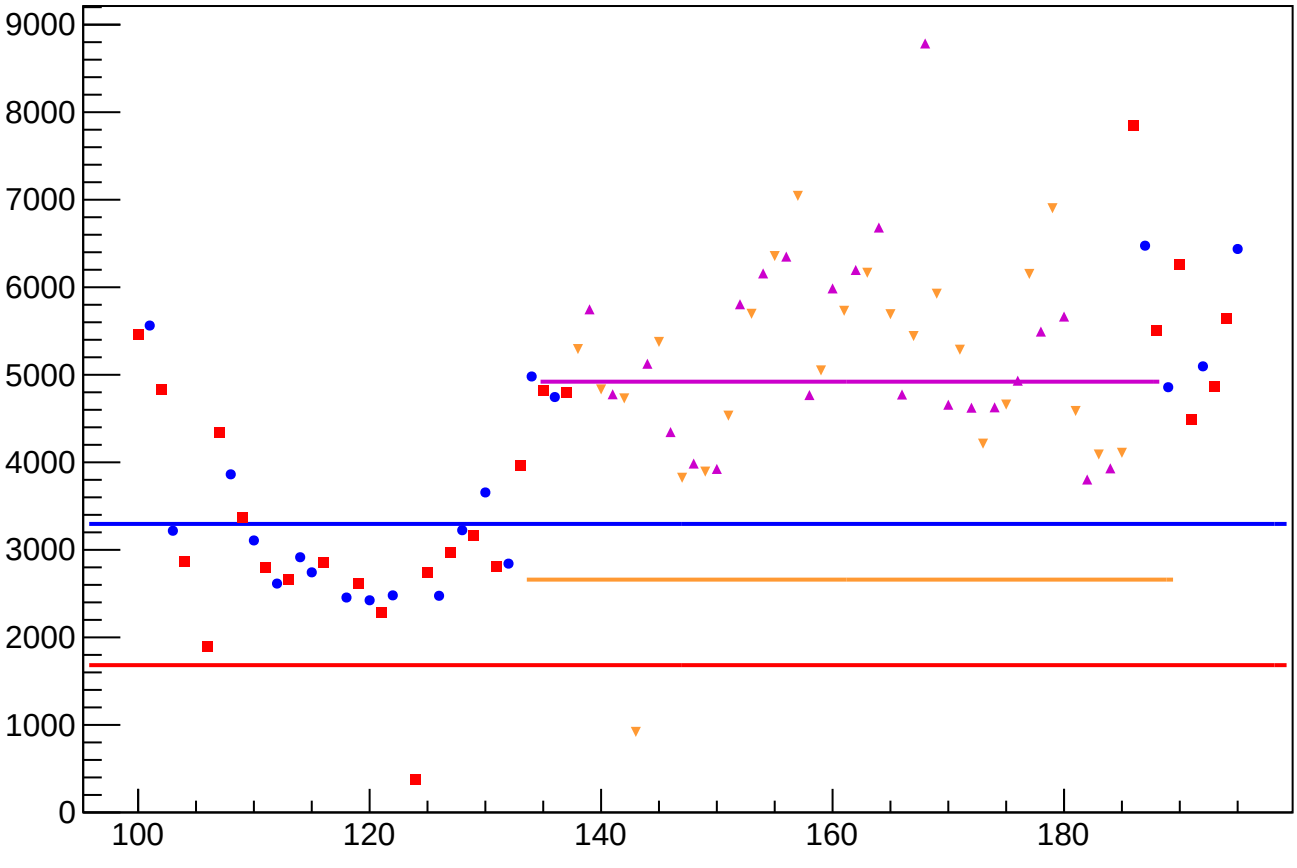
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 139.542+/-594.836 χ^2/NDF: 60.9/44

In: -291.265+/-806.874 χ^2/NDF:35.0/42

Out: -247.322+/-520.215 χ^2/NDF:74.1/49

All: -260.225+/-437.221 χ^2/NDF: 109.1/92



Right In: 3296.340+/-0.786 χ^2/NDF: 1851106.6/19

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1682.872+/-0.498 χ^2/NDF: 10487336.8/24

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

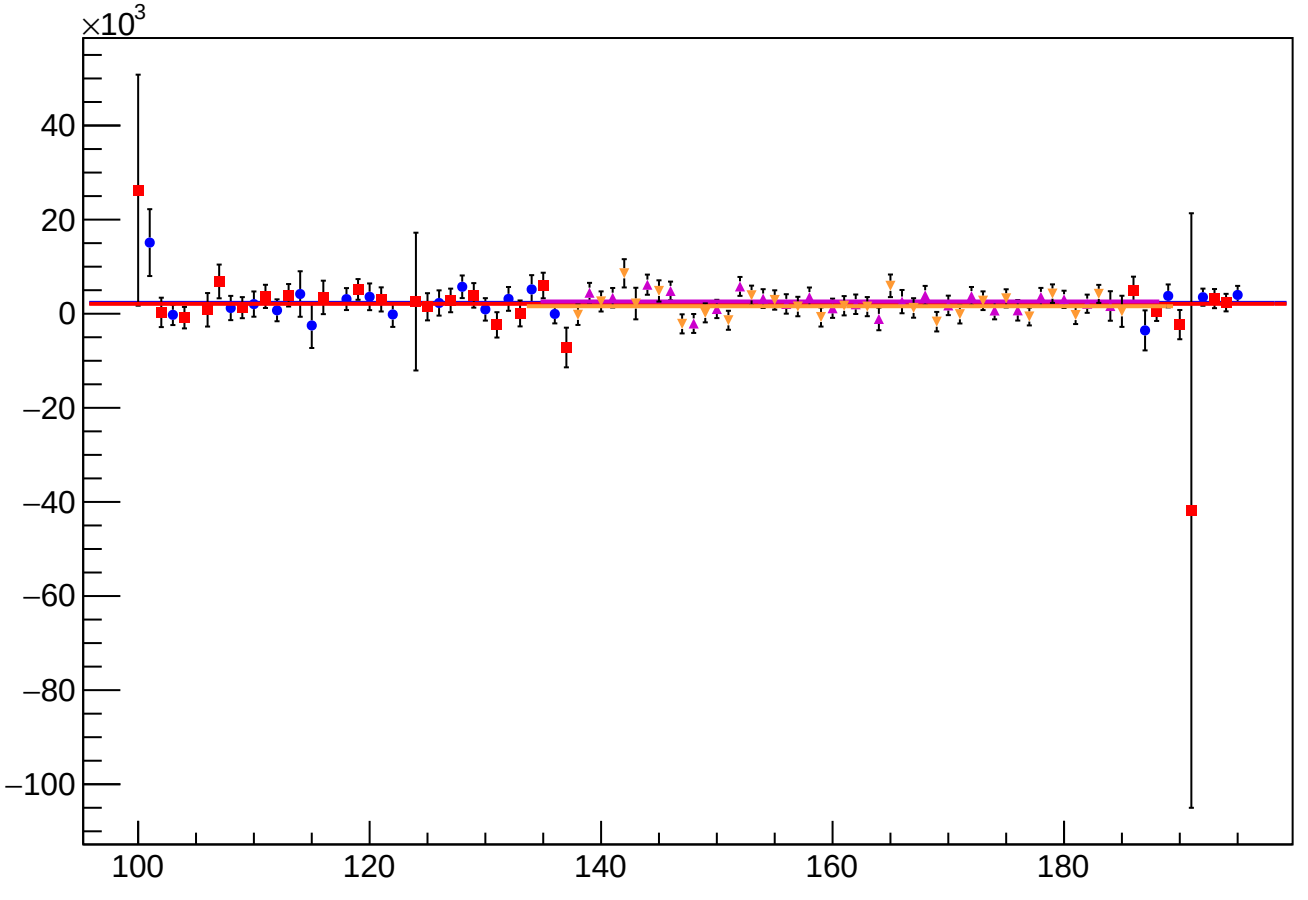
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2145.147+/-0.421 χ^2/NDF: 15346490.6/44

In: 4064.665+/-0.571 χ^2/NDF:5124174.4/42

Out: 2126.780+/-0.368 χ^2/NDF:26772742.8/49

All: 2695.788+/-0.309 χ^2/NDF: 40046045.1/9



Right In: 2308.280+/-573.644 χ^2/NDF: 15.8/19

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2104.959+/-547.965 χ^2/NDF: 23.4/24

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

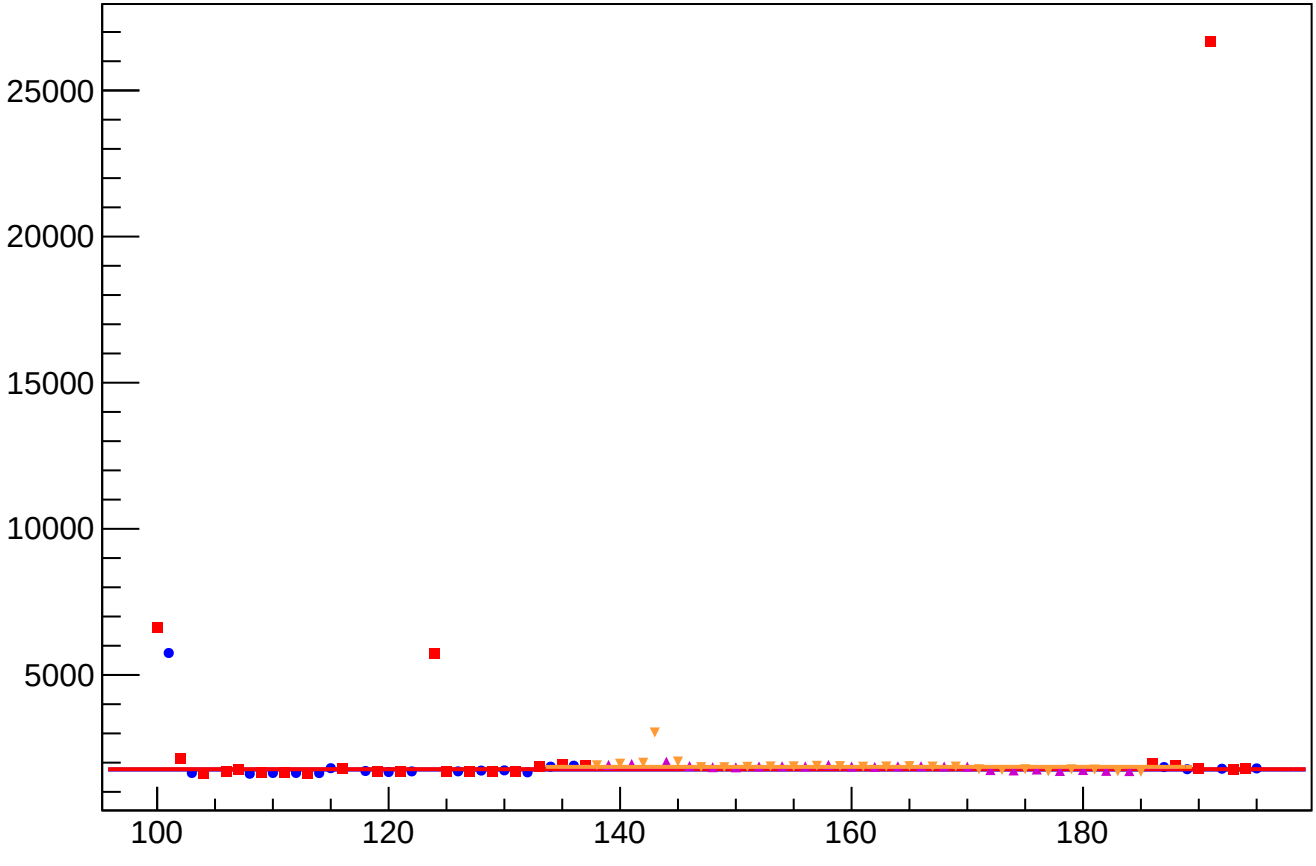
Right: 2201.967+/-396.237 χ^2/NDF: 39.3/44

In: 2493.562+/-344.217 χ^2/NDF:36.1/42

Out: 1783.976+/-334.988 χ^2/NDF:55.2/49

All: 2129.128+/-240.069 χ^2/NDF: 93.5/92

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1763.286+/-0.406 χ^2/NDF: 673468.2/19

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.588+/-0.386 χ^2/NDF: 629897.6/24

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

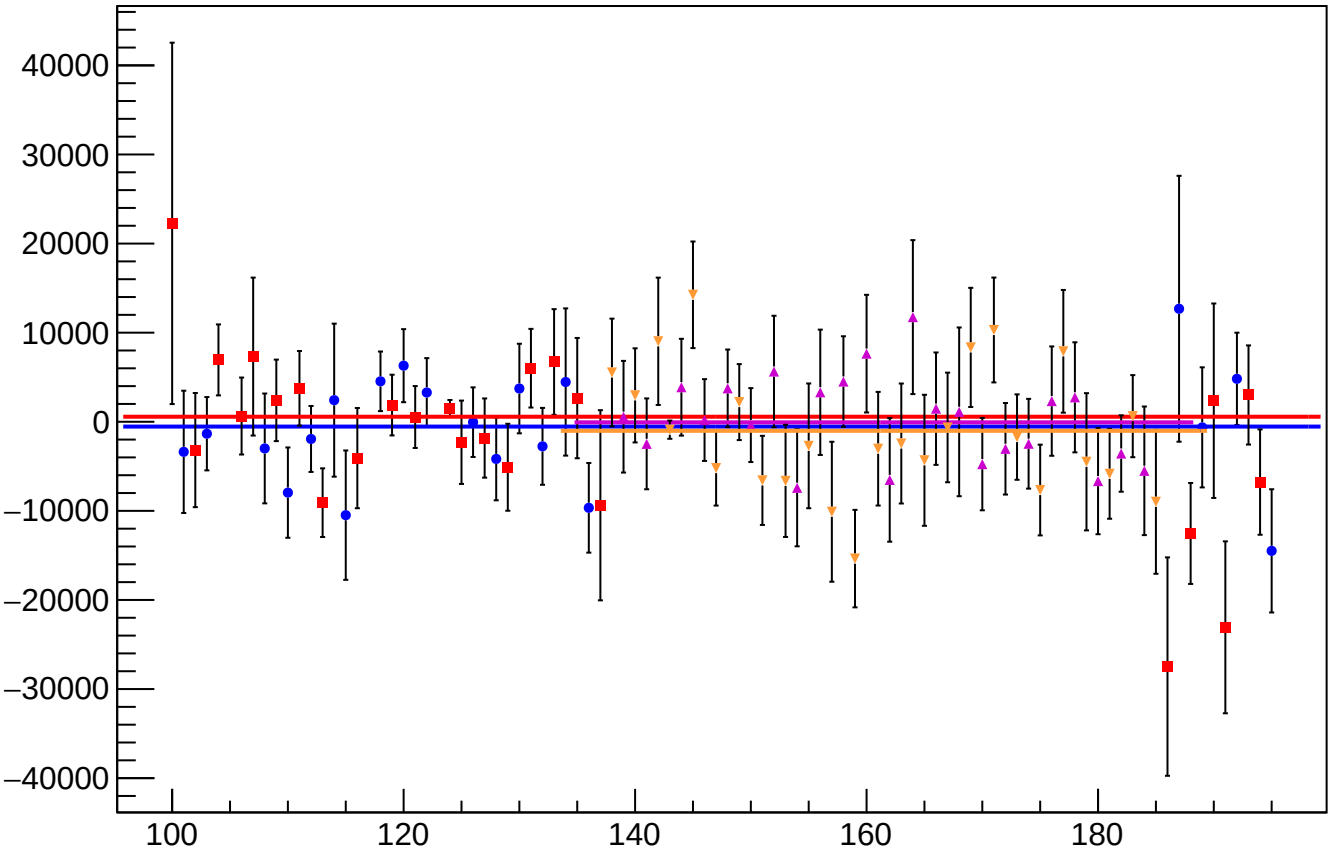
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1769.735+/-0.280 χ^2/NDF: 1303847.9/44

In: 1813.006+/-0.243 χ^2/NDF:767932.3/42

Out: 1825.574+/-0.237 χ^2/NDF:980931.3/49

All: 1819.467+/-0.170 χ^2/NDF: 1750234.3/92



Right In: -540.019+/-1110.264 χ^2/NDF: 21.9/19

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 565.039+/-709.435 χ^2/NDF: 37.3/24

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

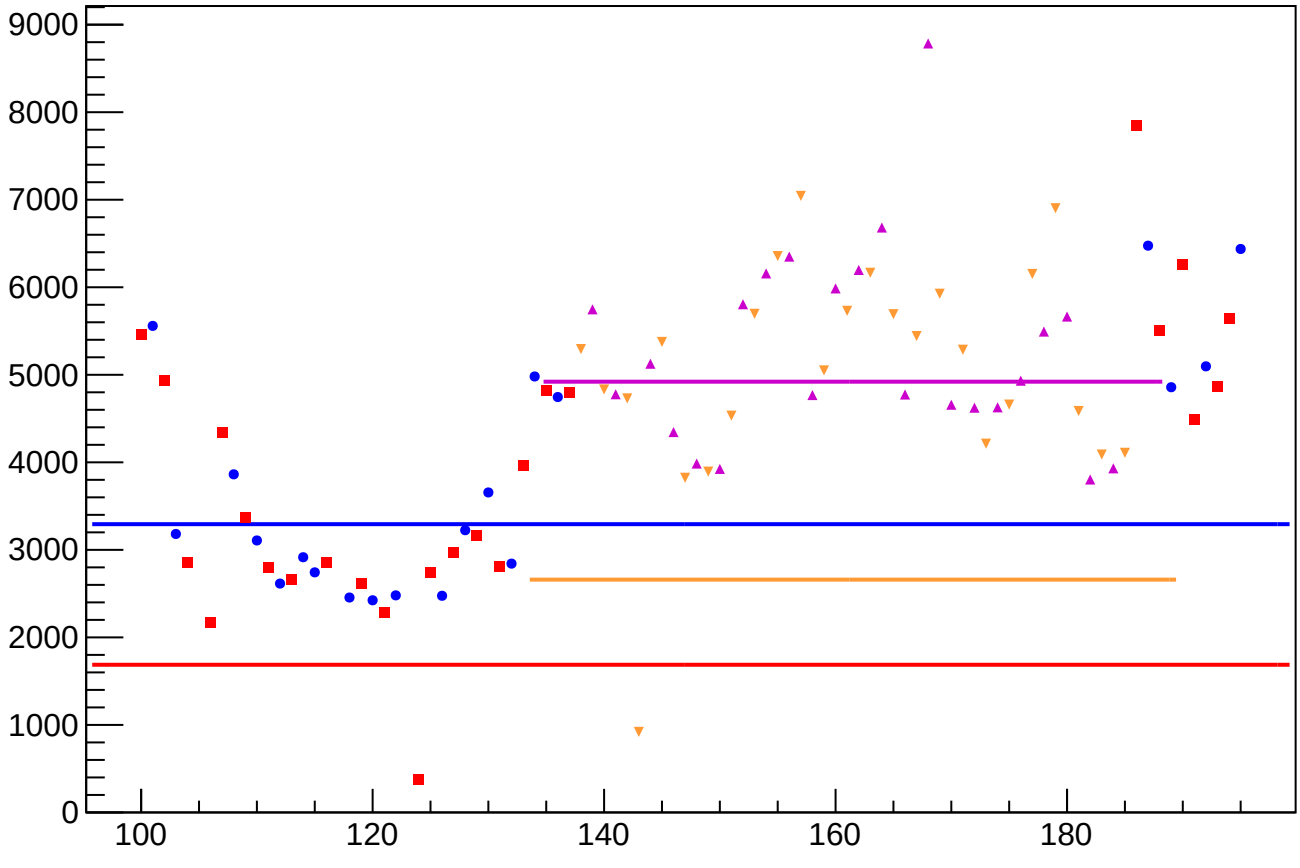
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 244.659+/-597.814 χ^2/NDF: 59.9/44

In: -314.356+/-806.481 χ^2/NDF:35.0/42

Out: -160.275+/-522.304 χ^2/NDF:73.3/49

All: -205.805+/-438.396 χ^2/NDF: 108.4/92



Right In: 3293.507+/-0.785 χ^2/NDF: 1851495.6/19

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1687.301+/-0.502 χ^2/NDF: 10521096.7/24

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

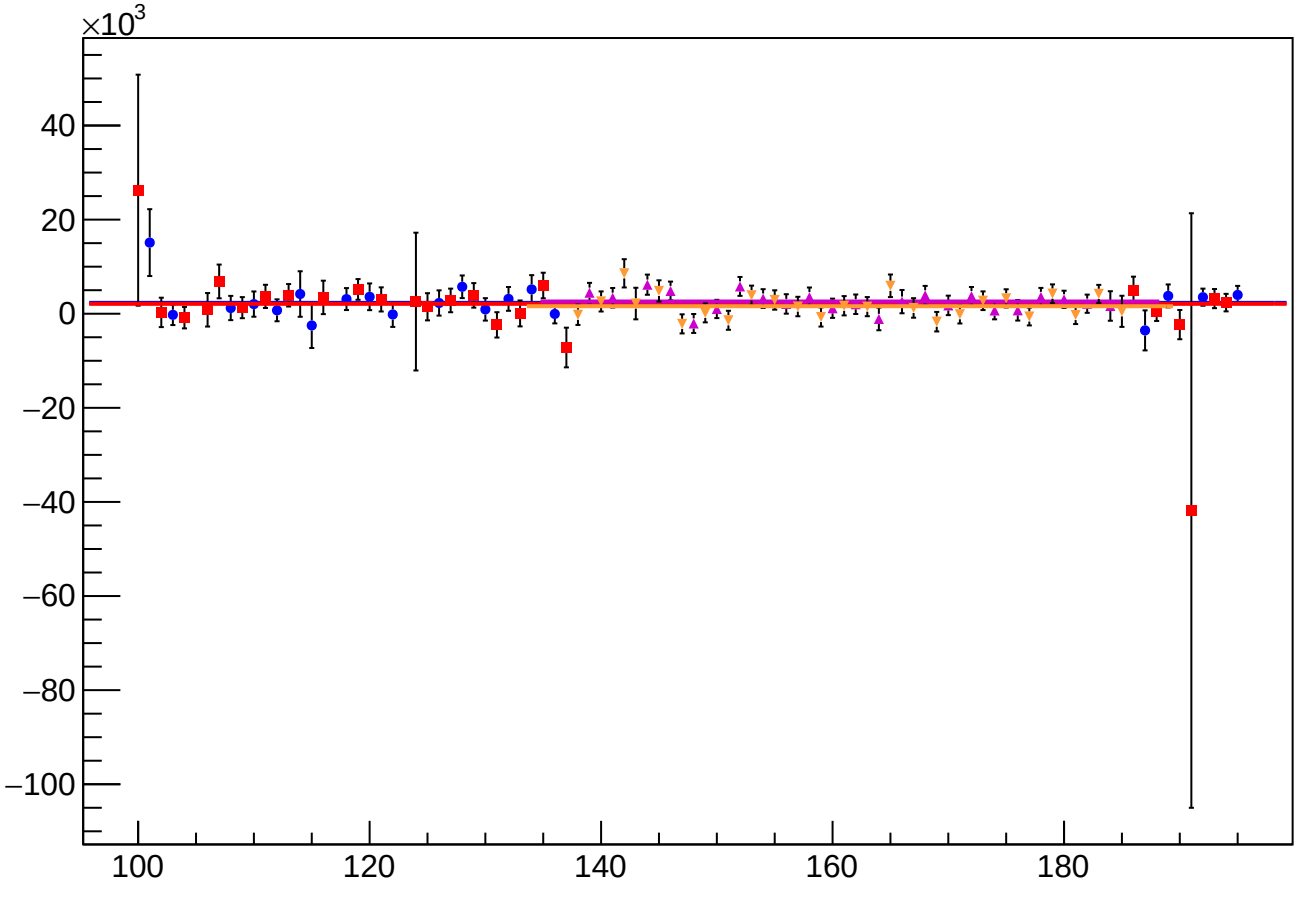
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2152.974+/-0.423 χ^2/NDF: 15344851.8/44

In: 4062.422+/-0.570 χ^2/NDF:5133389.4/42

Out: 2132.728+/-0.369 χ^2/NDF:26779450.1/49

All: 2702.936+/-0.310 χ^2/NDF: 39979706.4/9



Right In: 2308.280+/-573.644 χ^2/NDF: 15.8/19

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2104.959+/-547.965 χ^2/NDF: 23.4/24

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

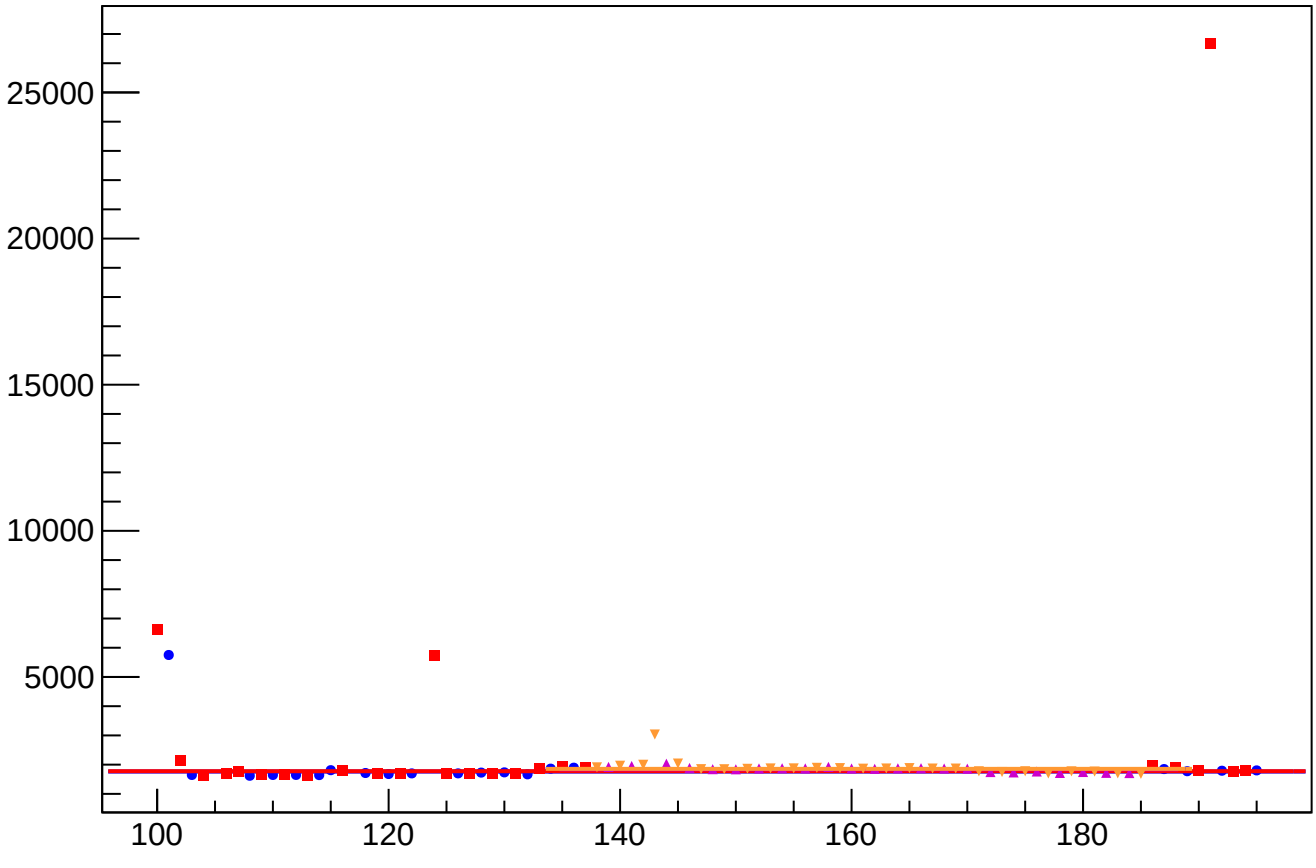
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2201.967+/-396.237 χ^2/NDF: 39.3/44

In: 2493.562+/-344.217 χ^2/NDF:36.1/42

Out: 1783.976+/-334.988 χ^2/NDF:55.2/49

All: 2129.128+/-240.069 χ^2/NDF: 93.5/92



Right In: 1763.286+/-0.406 χ^2/NDF: 673468.2/19

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.588+/-0.386 χ^2/NDF: 629897.6/24

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

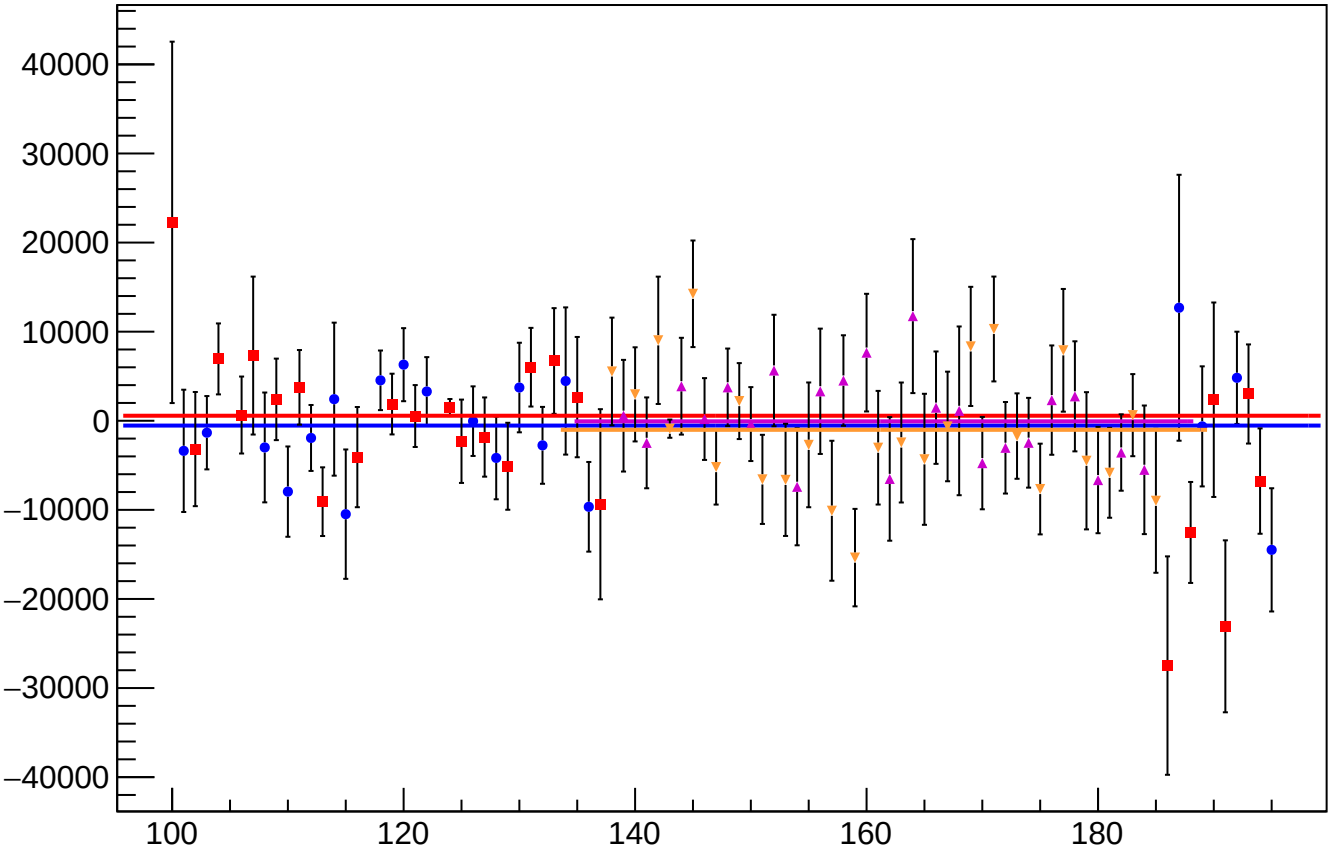
Right: 1769.735+/-0.280 χ^2/NDF: 1303847.9/44

In: 1813.006+/-0.243 χ^2/NDF:767932.3/42

Out: 1825.574+/-0.237 χ^2/NDF:980931.3/49

All: 1819.467+/-0.170 χ^2/NDF: 1750234.3/92

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -540.019+/-1110.264 χ^2/NDF: 21.9/19

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 565.039+/-709.435 χ^2/NDF: 37.3/24

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

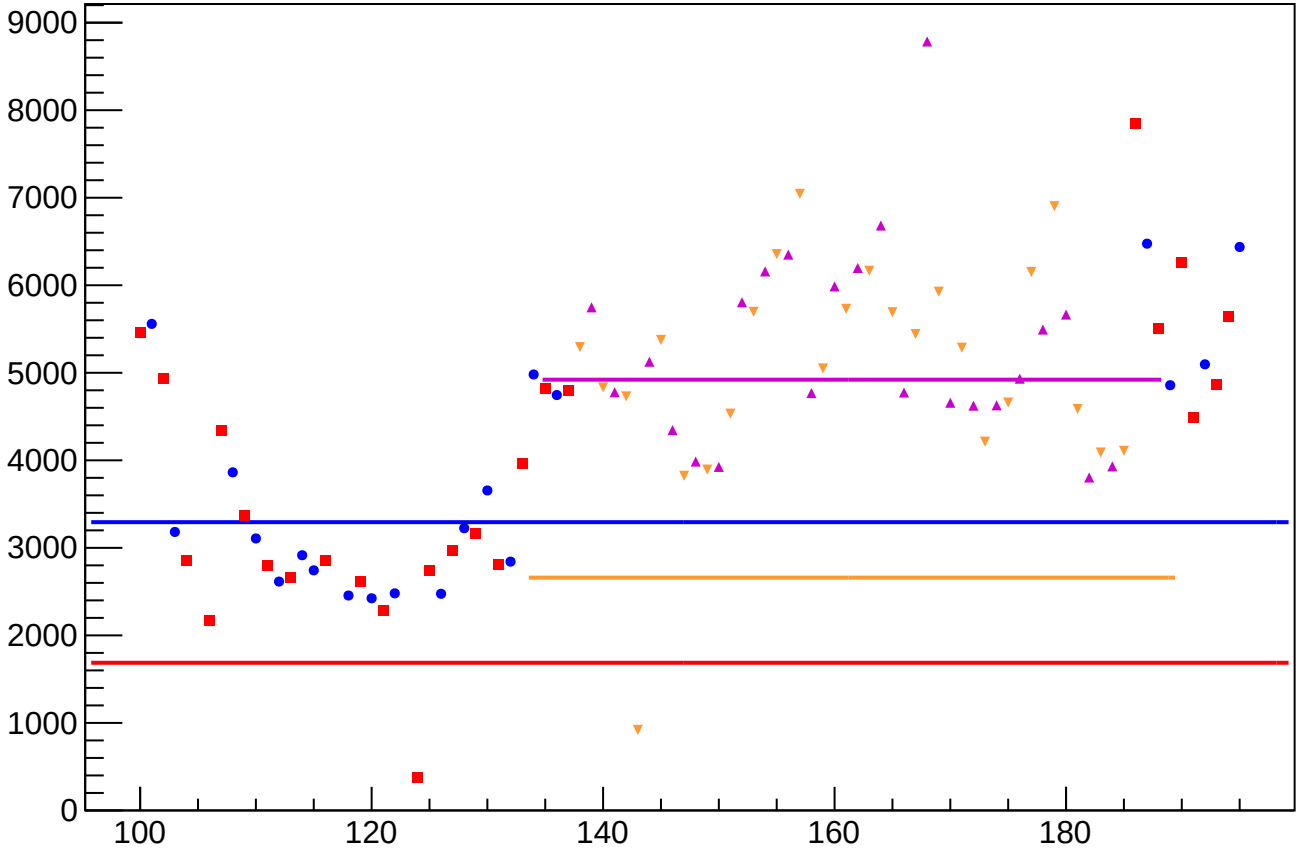
Right: 244.659+/-597.814 χ^2/NDF: 59.9/44

In: -314.356+/-806.481 χ^2/NDF:35.0/42

Out: -160.275+/-522.304 χ^2/NDF:73.3/49

All: -205.805+/-438.396 χ^2/NDF: 108.4/92

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3293.507+/-0.785 χ^2/NDF: 1851495.6/19

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1687.301+/-0.502 χ^2/NDF: 10521096.7/24

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

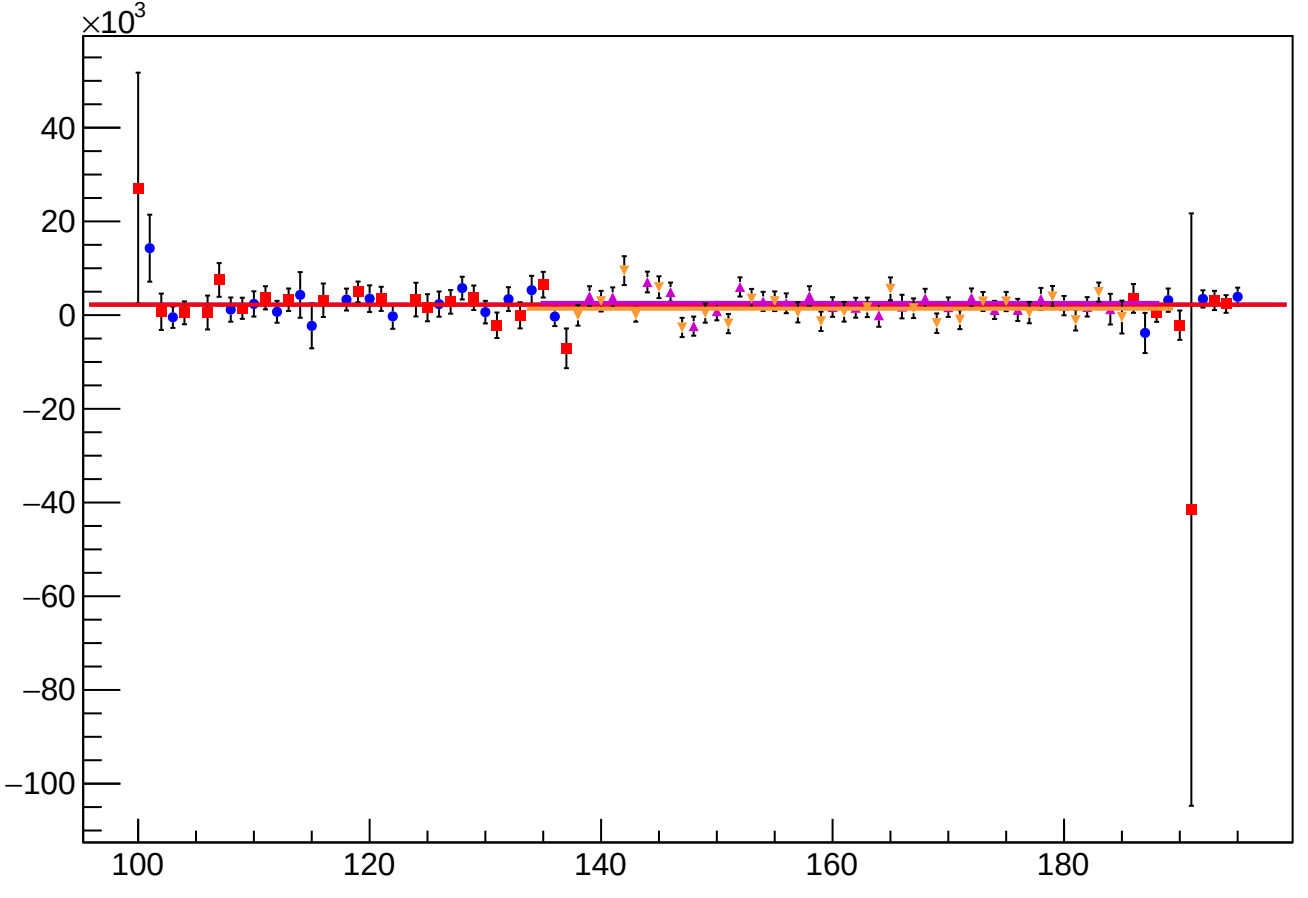
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2152.974+/-0.423 χ^2/NDF: 15344851.8/44

In: 4062.422+/-0.570 χ^2/NDF:5133389.4/42

Out: 2132.728+/-0.369 χ^2/NDF:26779450.1/49

All: 2702.936+/-0.310 χ^2/NDF: 39979706.4/9



Right In: 2254.005+/-579.827 χ^2/NDF: 15.9/19

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2223.860+/-550.046 χ^2/NDF: 21.2/24

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

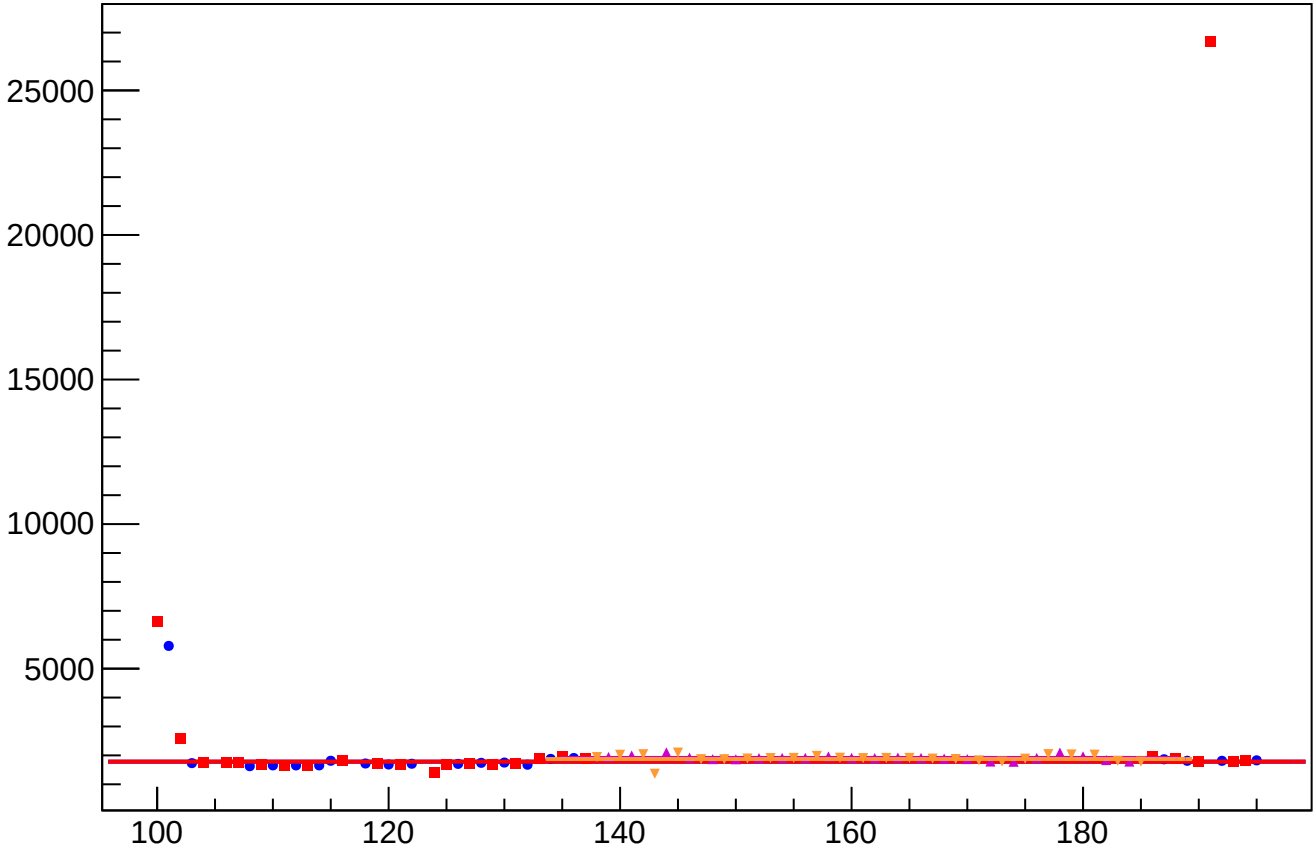
Right: 2238.138+/-399.055 χ^2/NDF: 37.1/44

In: 2472.896+/-353.885 χ^2/NDF:36.1/42

Out: 1687.576+/-337.459 χ^2/NDF:58.8/49

All: 2061.587+/-244.220 χ^2/NDF: 97.6/92

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.292+/-0.410 χ^2/NDF: 670905.0/19

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1783.592+/-0.388 χ^2/NDF: 552470.3/24

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

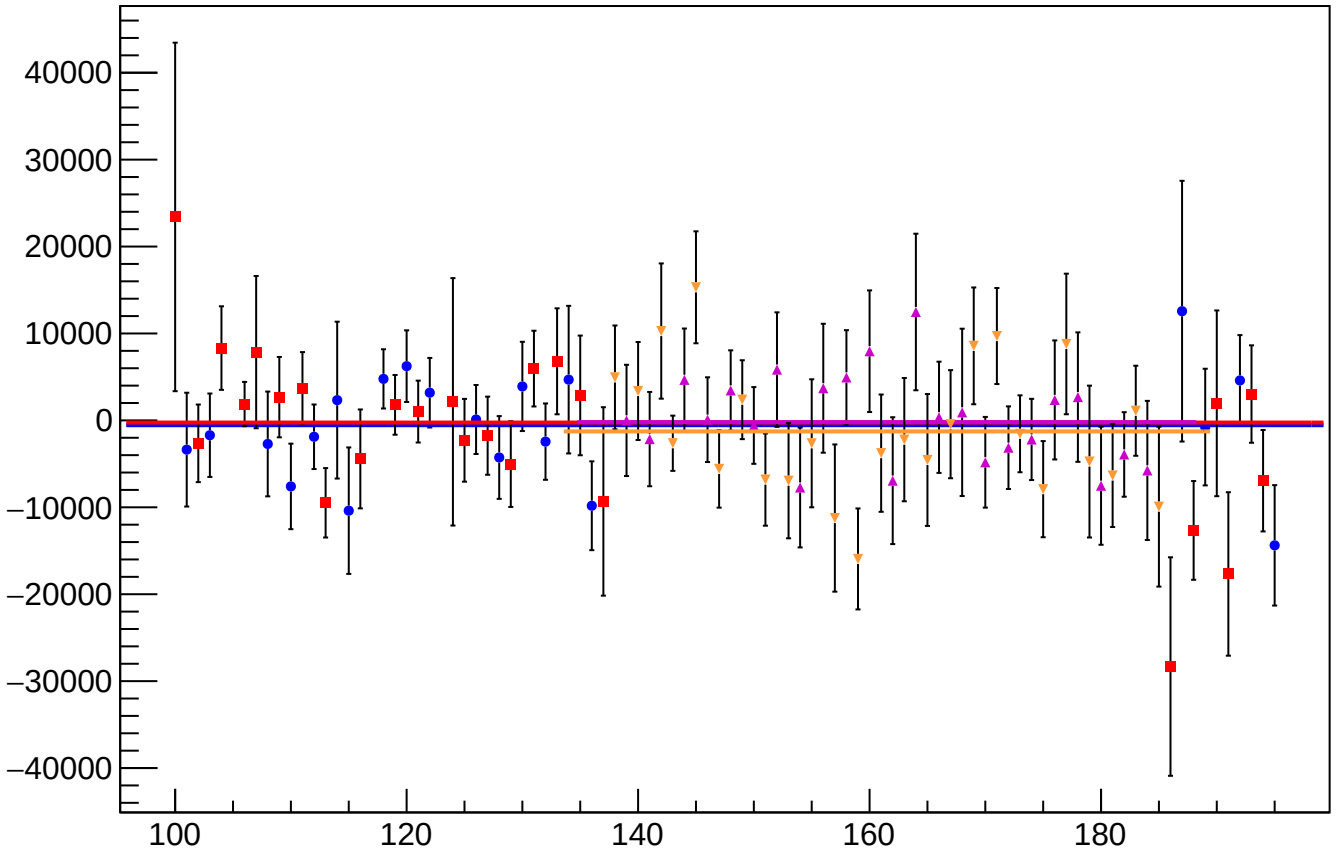
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1782.977+/-0.282 χ^2/NDF: 1223380.5/44

In: 1863.322+/-0.250 χ^2/NDF:792290.4/42

Out: 1839.380+/-0.238 χ^2/NDF:895364.9/49

All: 1850.774+/-0.173 χ^2/NDF: 1692453.2/92



Right In: -553.269+/-1131.965 χ^2/NDF: 21.5/19

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -248.548+/-1003.559 χ^2/NDF: 34.5/24

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

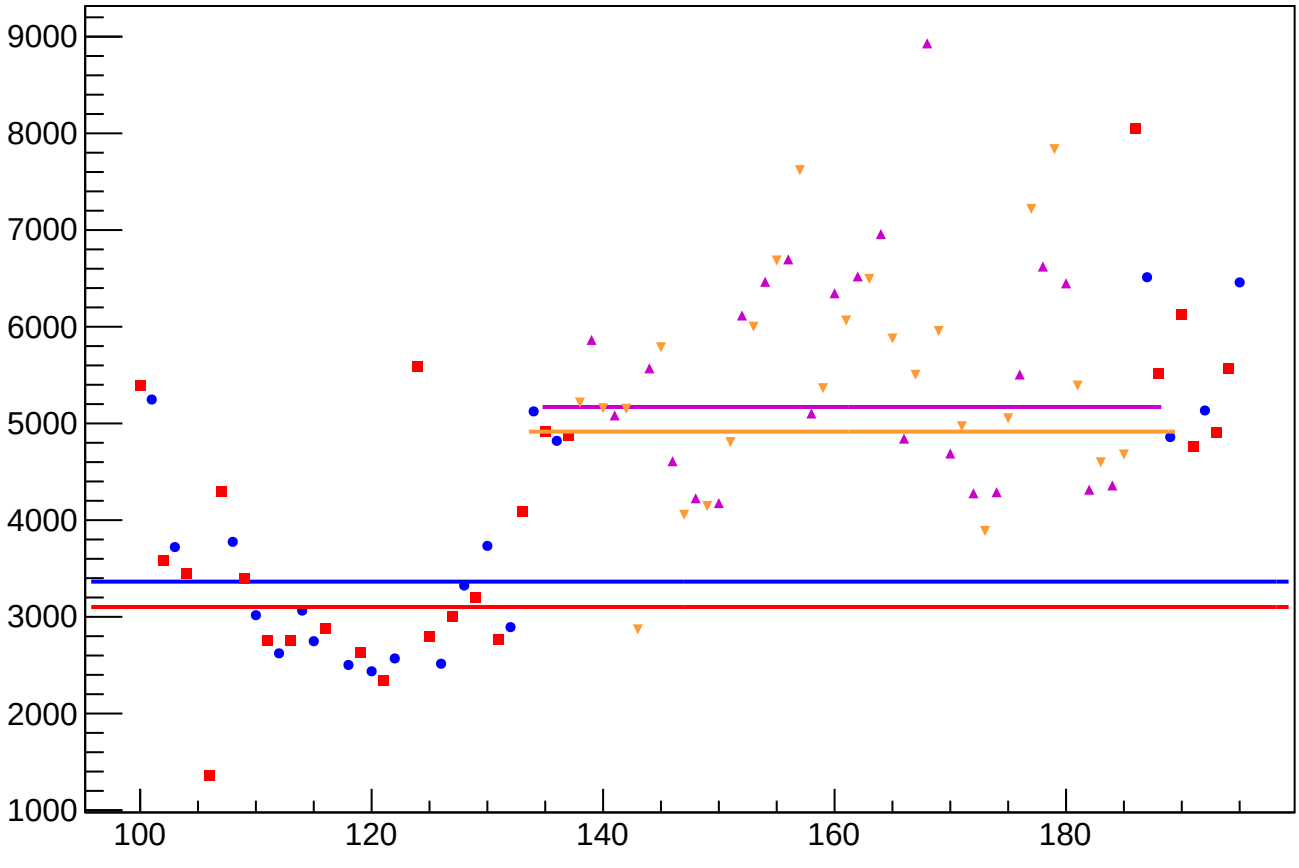
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -382.652+/-750.936 χ^2/NDF: 56.0/44

In: -390.510+/-834.330 χ^2/NDF:34.2/42

Out: -687.368+/-757.866 χ^2/NDF:68.4/49

All: -553.162+/-560.982 χ^2/NDF: 102.7/92



Right In: 3364.023+/-0.800 χ^2/NDF: 1789873.4/19

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3101.400+/-0.710 χ^2/NDF: 2988104.6/24

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

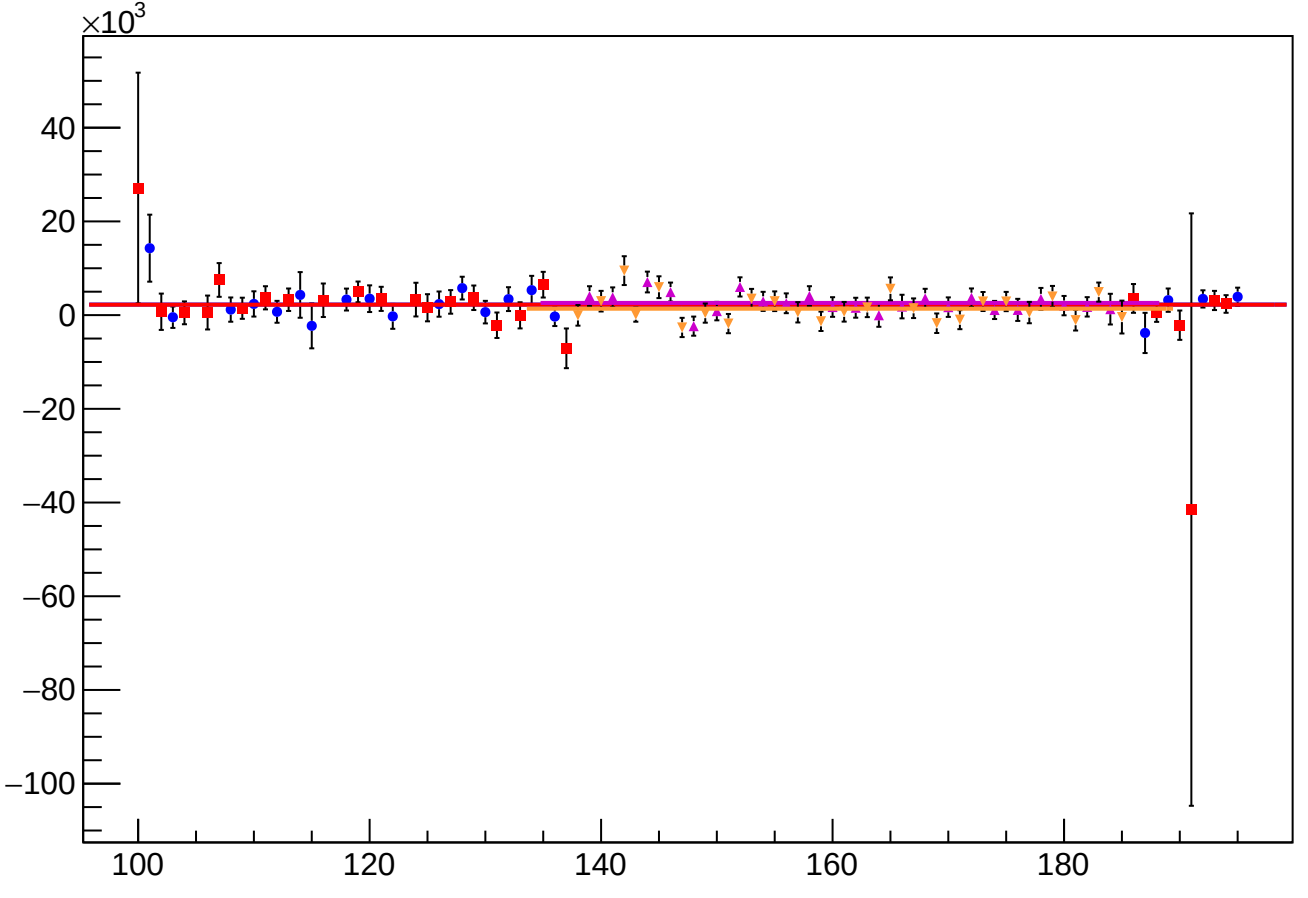
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3216.977+/-0.531 χ^2/NDF: 4838254.9/44

In: 4188.893+/-0.590 χ^2/NDF:5463827.4/42

Out: 3880.818+/-0.536 χ^2/NDF:7961801.5/49

All: 4020.095+/-0.397 χ^2/NDF: 13575039.0/9



Right In: 2254.003+/-579.827 χ^2/NDF: 15.9/19

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2223.859+/-550.046 χ^2/NDF: 21.2/24

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

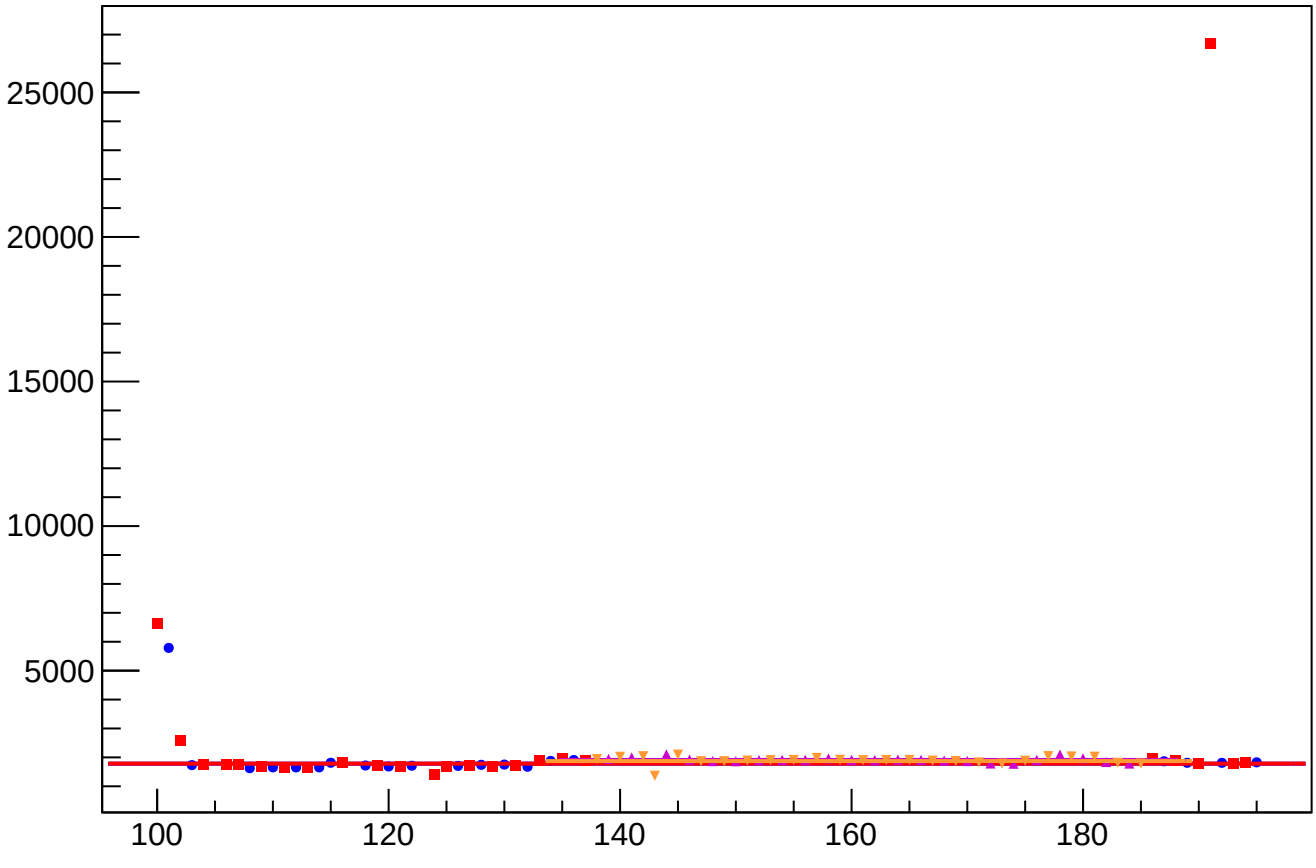
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2238.137+/-399.055 χ^2/NDF: 37.1/44

In: 2472.894+/-353.886 χ^2/NDF:36.1/42

Out: 1687.574+/-337.459 χ^2/NDF:58.8/49

All: 2061.585+/-244.220 χ^2/NDF: 97.6/92



Right In: 1782.292+/-0.410 χ^2/NDF: 670905.0/19

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1783.592+/-0.388 χ^2/NDF: 552470.2/24

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

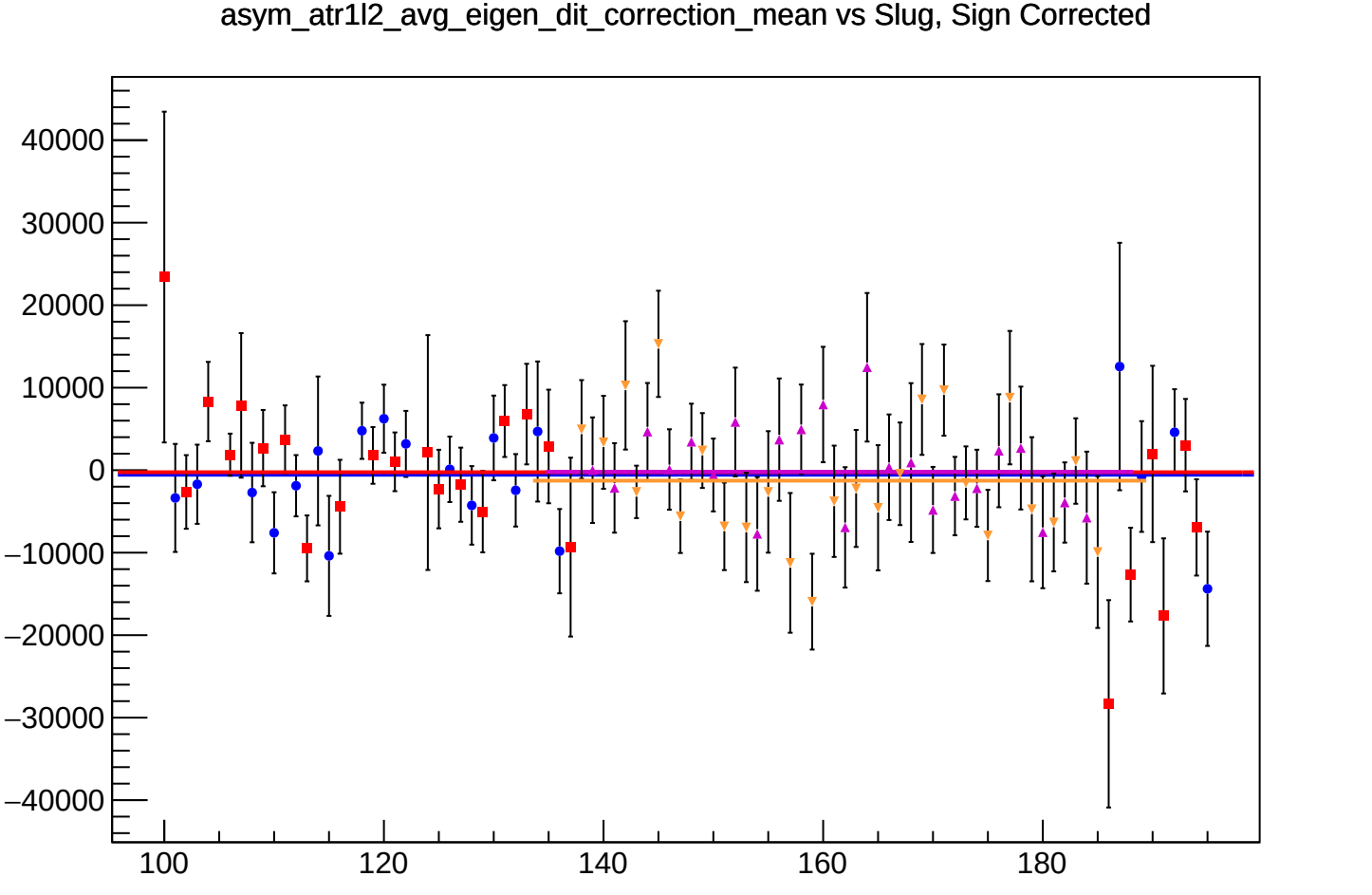
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1782.977+/-0.282 χ^2/NDF: 1223380.5/44

In: 1863.322+/-0.250 χ^2/NDF:792293.7/42

Out: 1839.380+/-0.238 χ^2/NDF:895369.1/49

All: 1850.774+/-0.173 χ^2/NDF: 1692460.7/92



Right In: -553.263+/-1131.962 χ^2/NDF: 21.5/19

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -248.540+/-1003.556 χ^2/NDF: 34.5/24

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

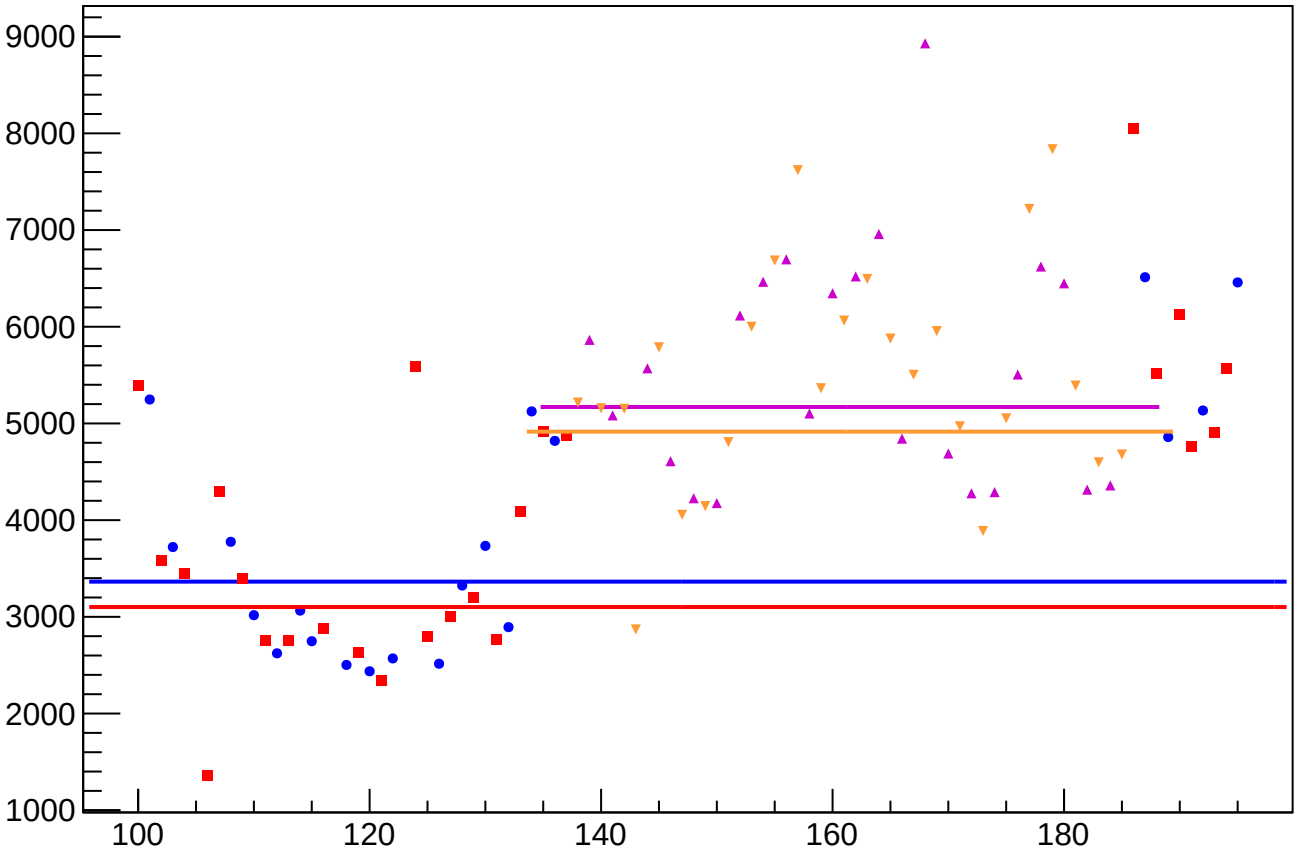
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -382.645+/-750.934 χ^2/NDF: 56.0/44

In: -390.508+/-834.329 χ^2/NDF:34.2/42

Out: -687.364+/-757.866 χ^2/NDF:68.4/49

All: -553.159+/-560.981 χ^2/NDF: 102.7/92



Right In: 3364.012+/-0.800 χ^2/NDF: 1789897.0/19

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3101.386+/-0.710 χ^2/NDF: 2988144.5/24

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

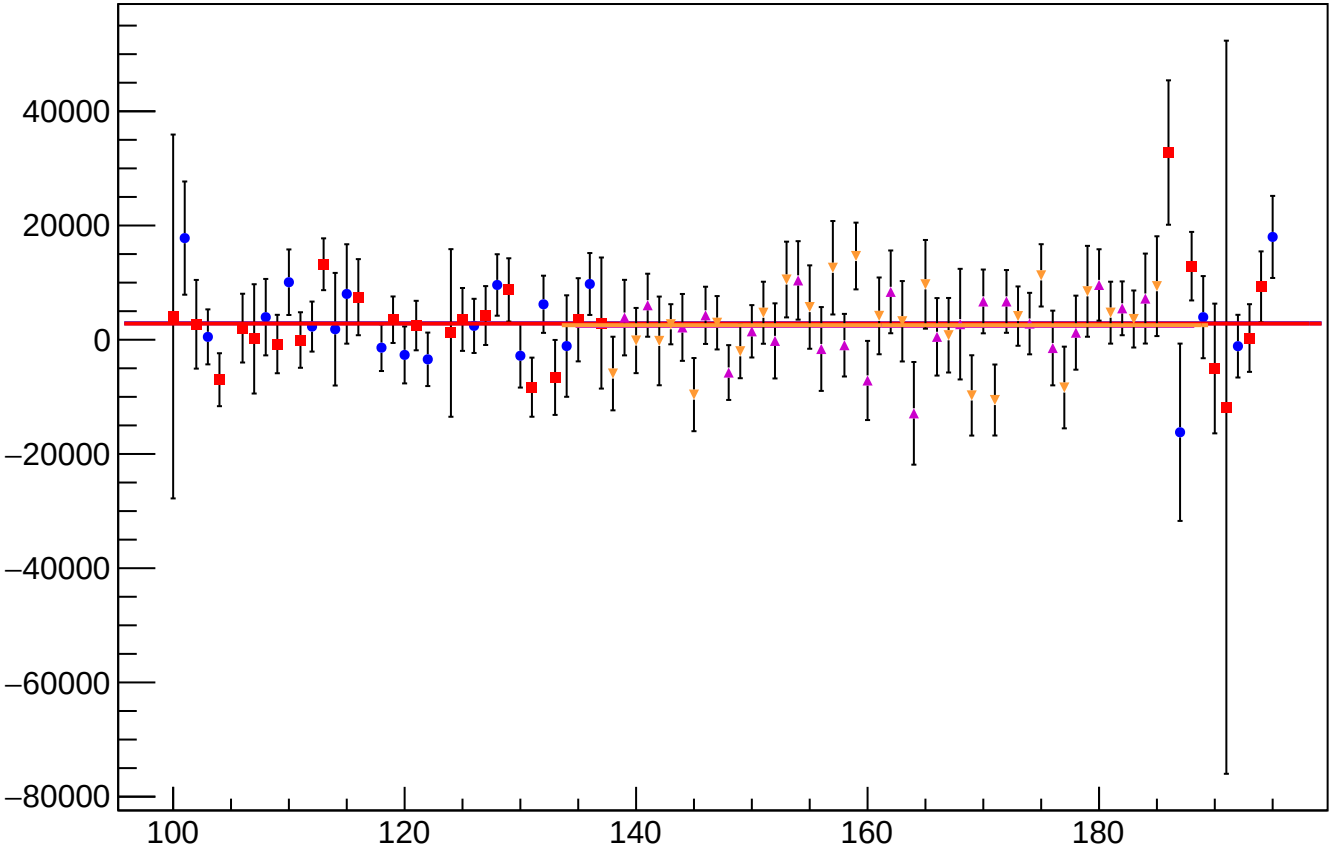
Right: 3216.965+/-0.531 χ^2/NDF: 4838319.7/44

In: 4188.887+/-0.590 χ^2/NDF:5463903.3/42

Out: 3880.809+/-0.536 χ^2/NDF:7961912.9/49

All: 4020.087+/-0.397 χ^2/NDF: 13575229.1/9

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2878.753+/-1289.680 χ^2/NDF: 20.0/19

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 2828.287+/-1231.633 χ^2/NDF: 29.3/24

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

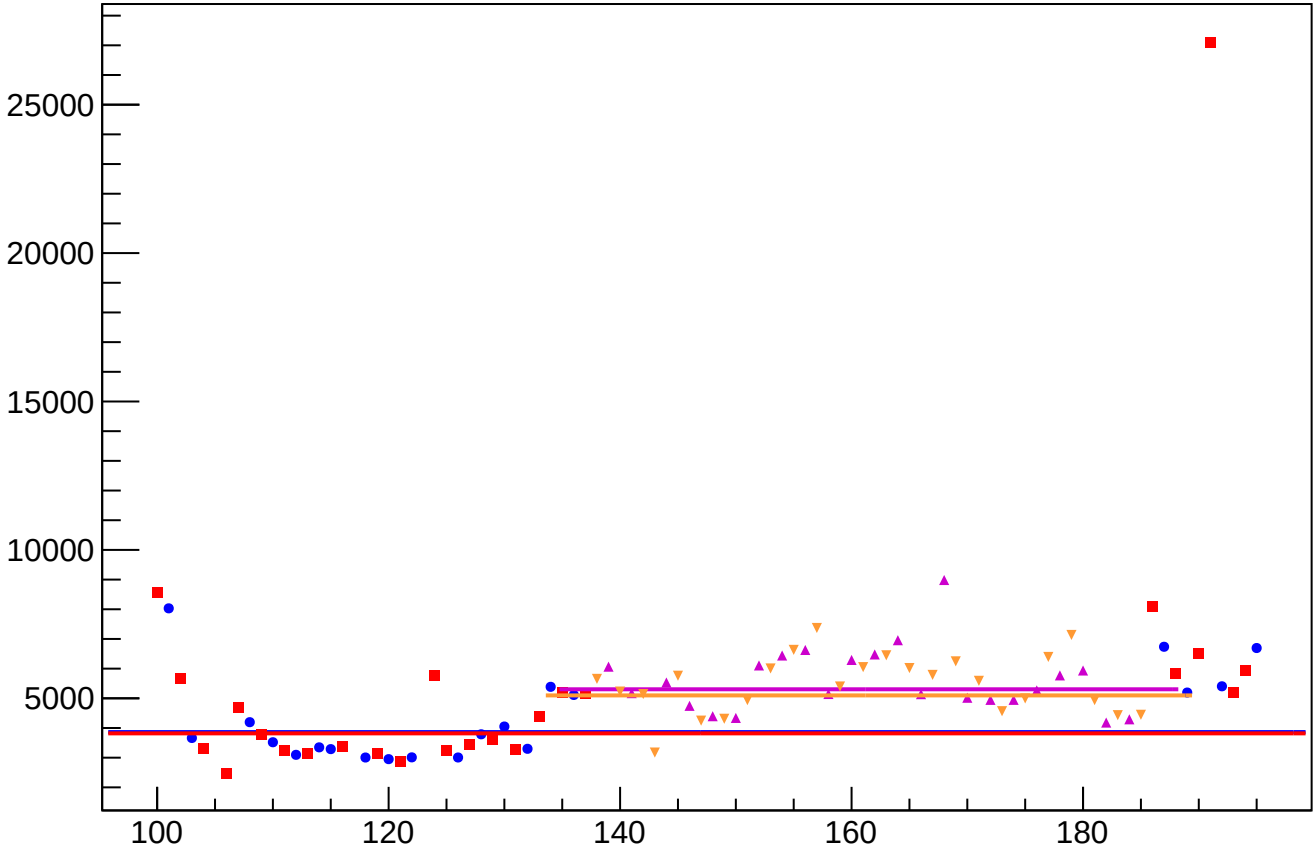
Right: 2852.359+/-890.710 χ^2/NDF: 49.3/44

In: 2645.518+/-901.138 χ^2/NDF:35.0/42

Out: 2682.571+/-854.929 χ^2/NDF:58.4/49

All: 2665.019+/-620.219 χ^2/NDF: 93.5/92

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3862.154+/-0.912 χ^2/NDF: 1529816.0/19

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3818.974+/-0.860 χ^2/NDF: 1982816.7/24

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

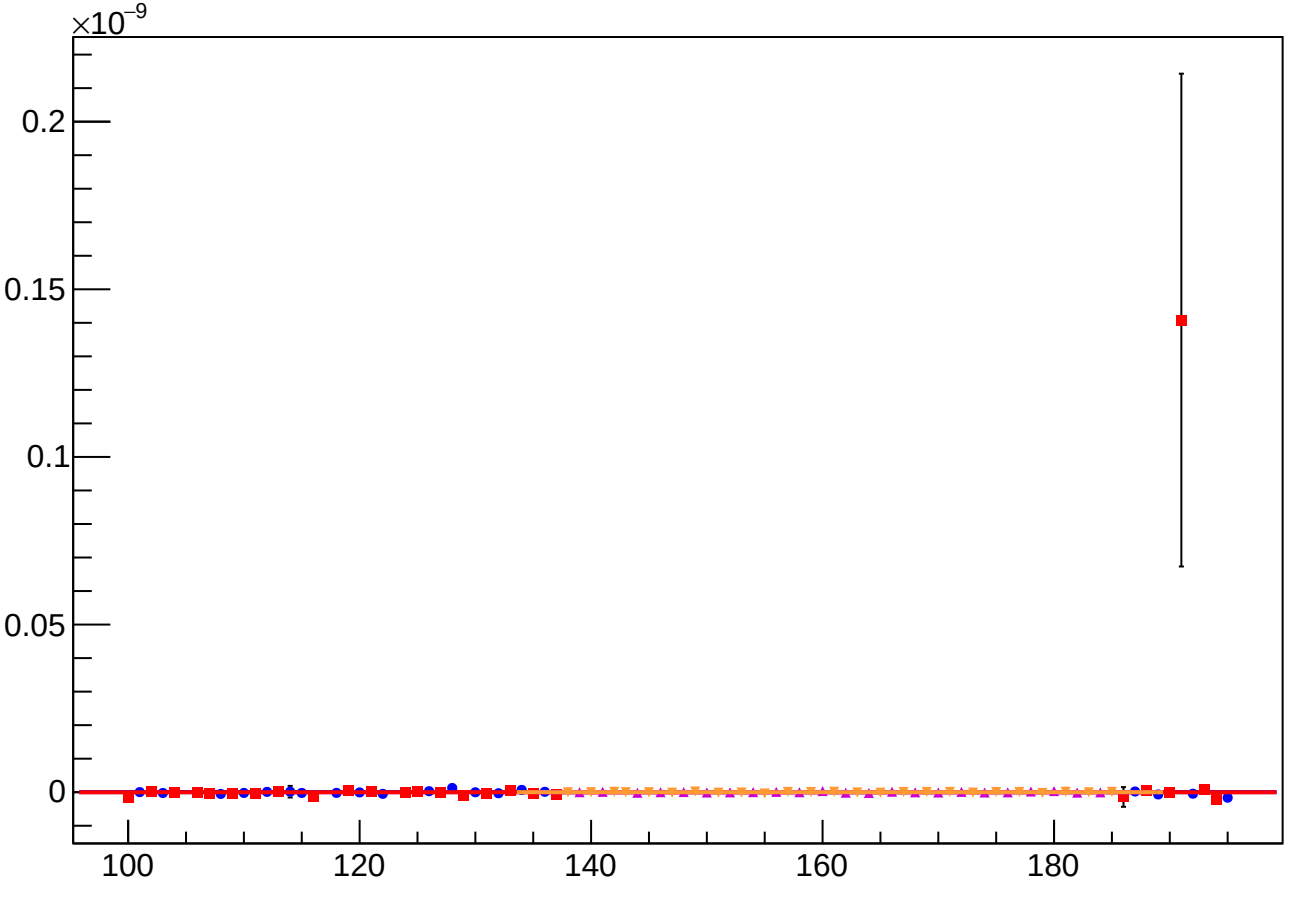
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

Right: 3839.289+/-0.626 χ^2/NDF: 3513819.9/44

In: 4600.144+/-0.637 χ^2/NDF:3827430.6/42

Out: 4473.353+/-0.601 χ^2/NDF:4659990.5/49

All: 4533.013+/-0.437 χ^2/NDF: 8508384.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/24

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

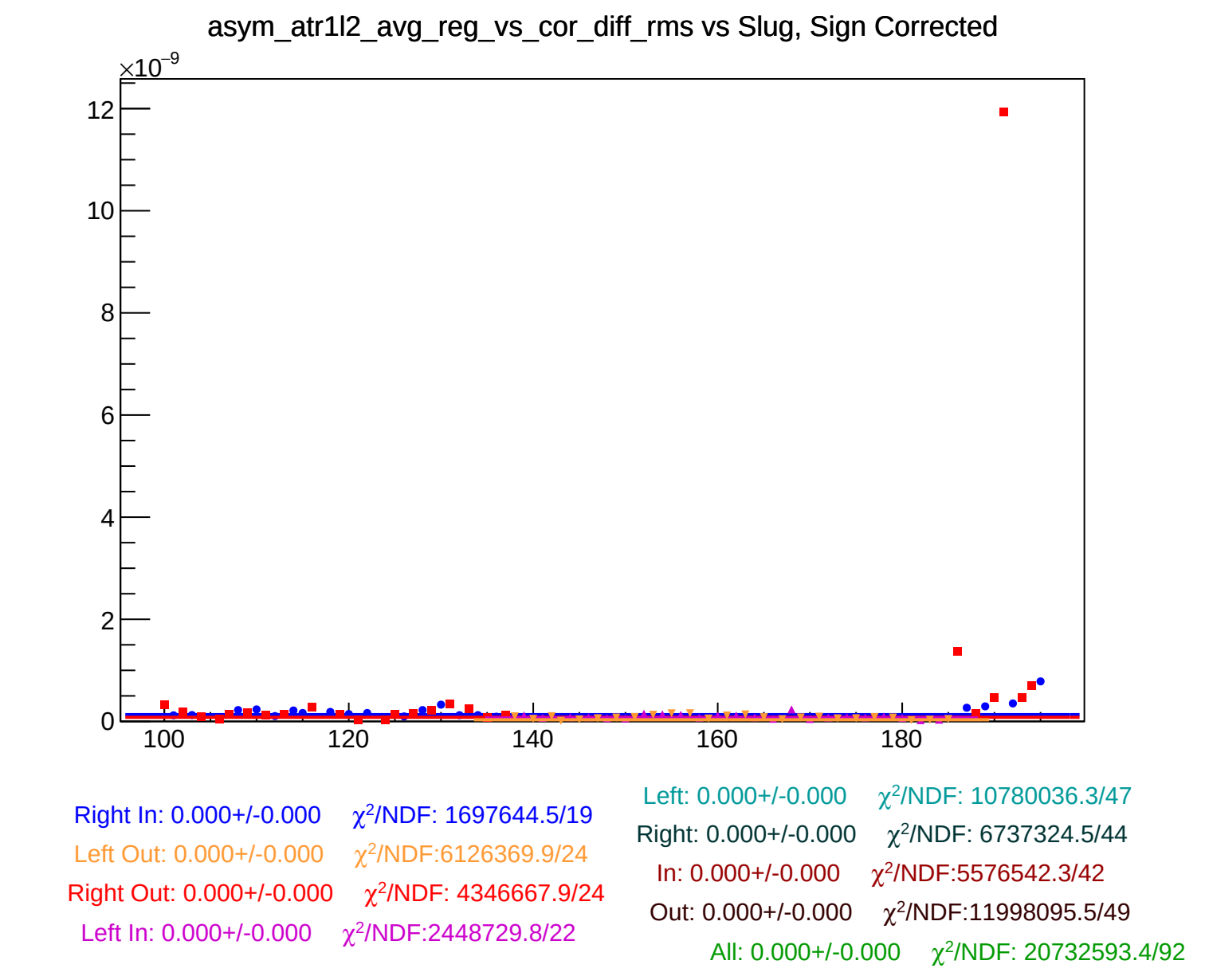
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

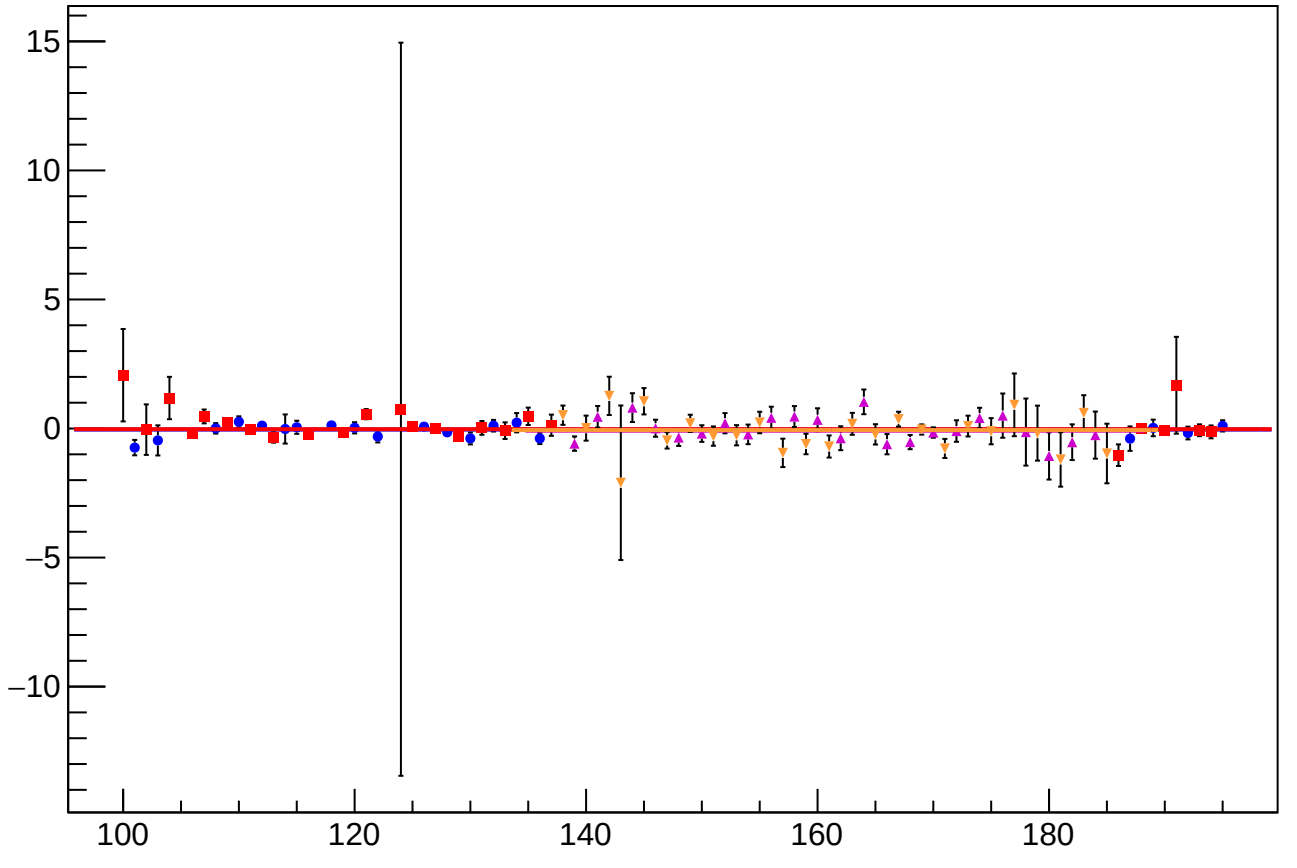
Right: -0.000+/-0.000 χ^2/NDF: 56.9/44

In: 0.000+/-0.000 χ^2/NDF:44.7/42

Out: 0.000+/-0.000 χ^2/NDF:50.4/49

All: 0.000+/-0.000 χ^2/NDF: 95.1/92


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1697644.5/19
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4346667.9/24
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 6737324.5/44
In: 0.000+/-0.000 χ²/NDF:5576542.3/42
Out: 0.000+/-0.000 χ²/NDF:11998095.5/49
All: 0.000+/-0.000 χ²/NDF: 20732593.4/92



Right In: -0.040+/-0.052 χ^2/NDF: 19.2/19

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.044 χ^2/NDF: 35.9/24

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

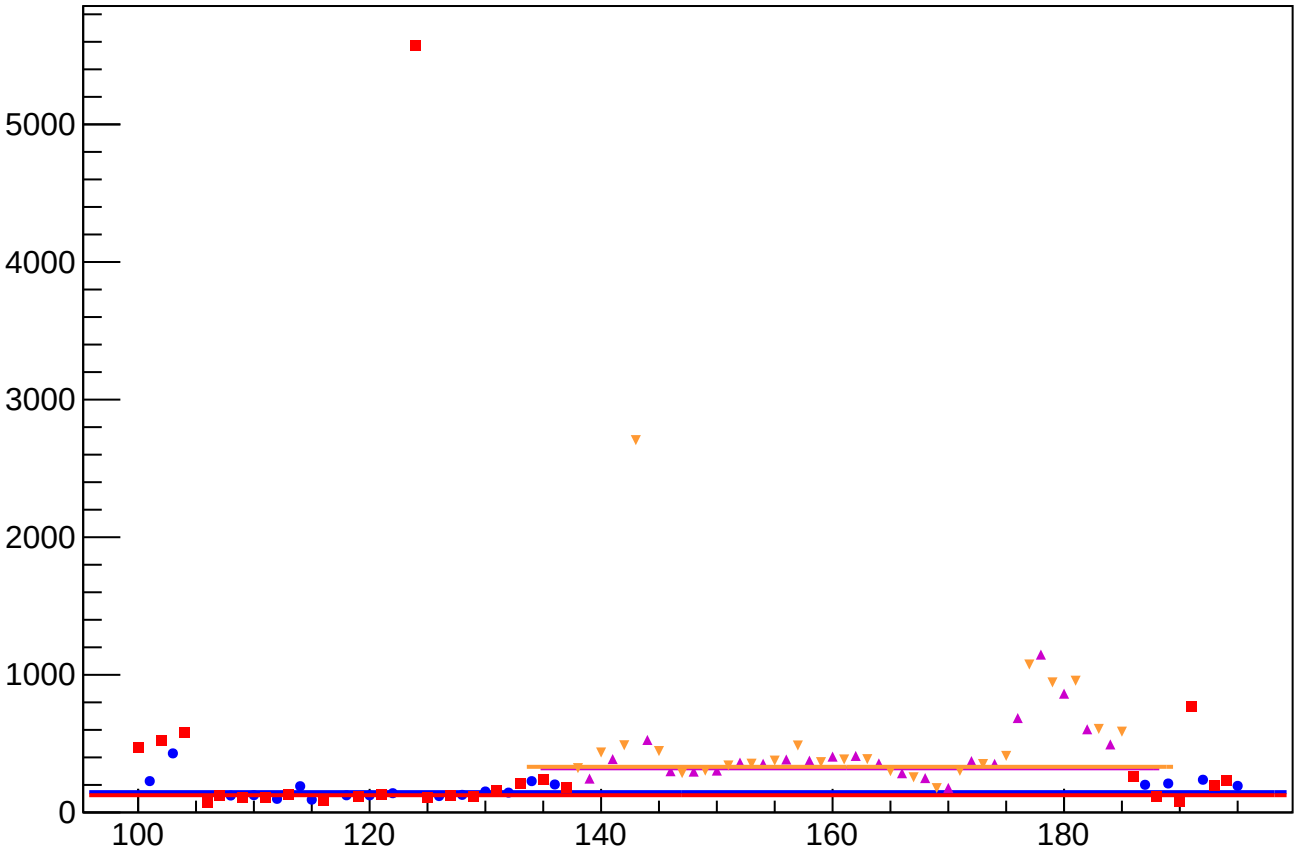
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.032+/-0.033 χ^2/NDF: 55.2/44

In: -0.053+/-0.044 χ^2/NDF:46.5/42

Out: -0.034+/-0.039 χ^2/NDF:66.8/49

All: -0.042+/-0.029 χ^2/NDF: 113.4/92



Right In: 147.612+/-0.037 χ^2/NDF: 1789680.9/19

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 125.362+/-0.031 χ^2/NDF: 3360924.2/24

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

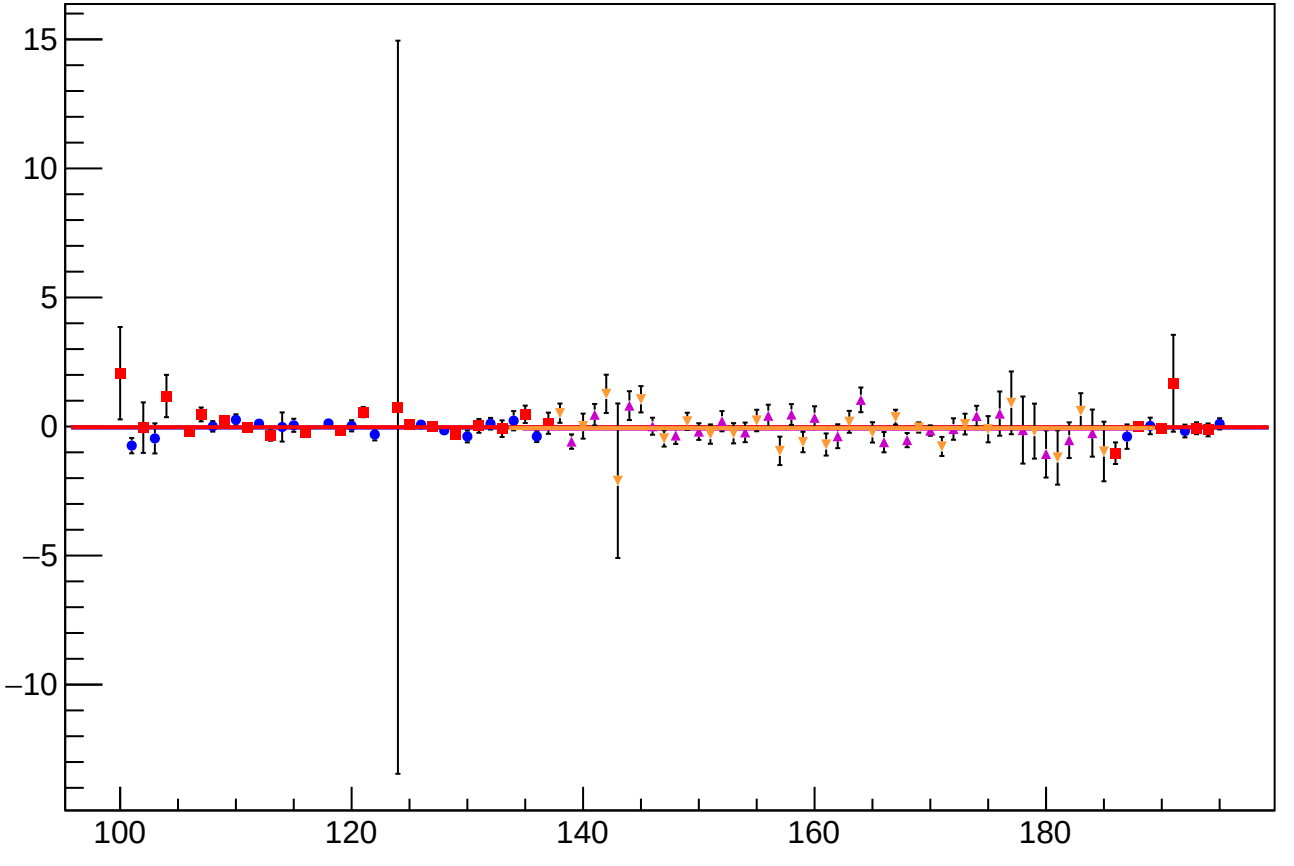
Right: 134.619+/-0.024 χ^2/NDF: 5365950.1/44

In: 197.758+/-0.031 χ^2/NDF:12505363.6/42

Out: 169.616+/-0.027 χ^2/NDF:18743332.6/49

All: 182.018+/-0.020 χ^2/NDF: 31713233.8/92

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.052 χ^2/NDF: 19.2/19

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.044 χ^2/NDF: 35.9/24

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

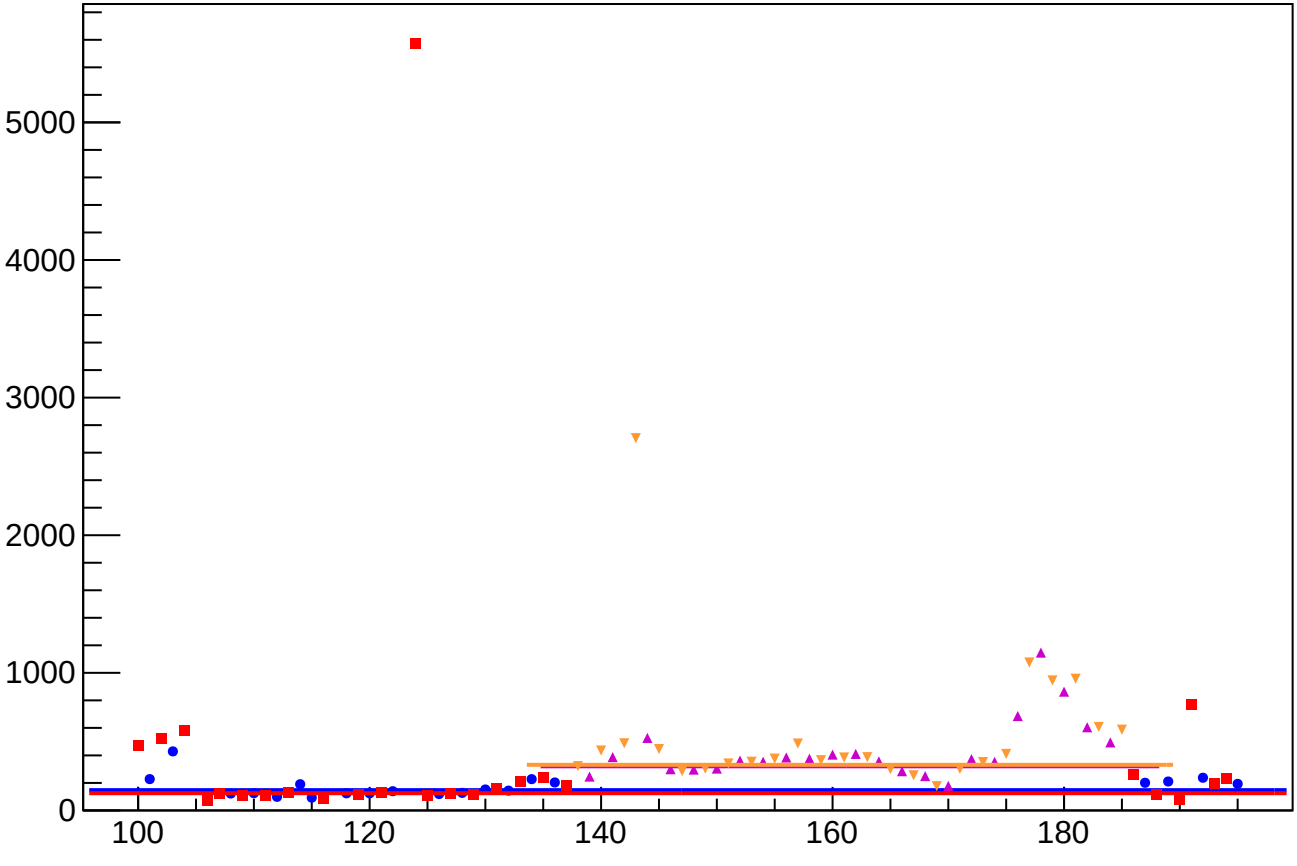
Right: -0.032+/-0.033 χ^2/NDF: 55.2/44

In: -0.053+/-0.044 χ^2/NDF:46.5/42

Out: -0.034+/-0.039 χ^2/NDF:66.8/49

All: -0.042+/-0.029 χ^2/NDF: 113.4/92

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.612+/-0.037 χ^2/NDF: 1789680.9/19

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 125.362+/-0.031 χ^2/NDF: 3360924.2/24

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

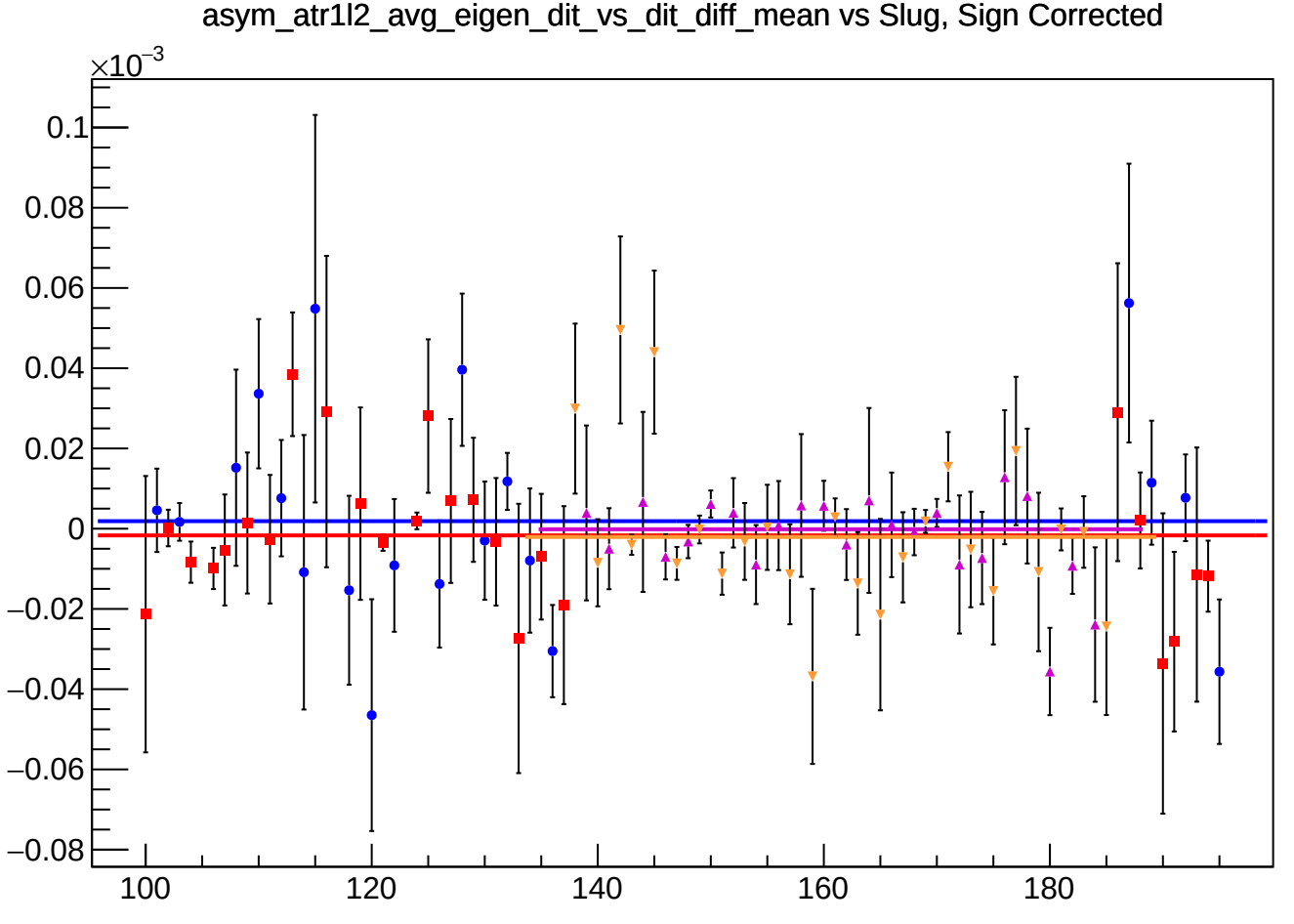
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 134.619+/-0.024 χ^2/NDF: 5365950.1/44

In: 197.758+/-0.031 χ^2/NDF:12505363.6/42

Out: 169.616+/-0.027 χ^2/NDF:18743332.6/49

All: 182.018+/-0.020 χ^2/NDF: 31713233.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 31.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/24

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

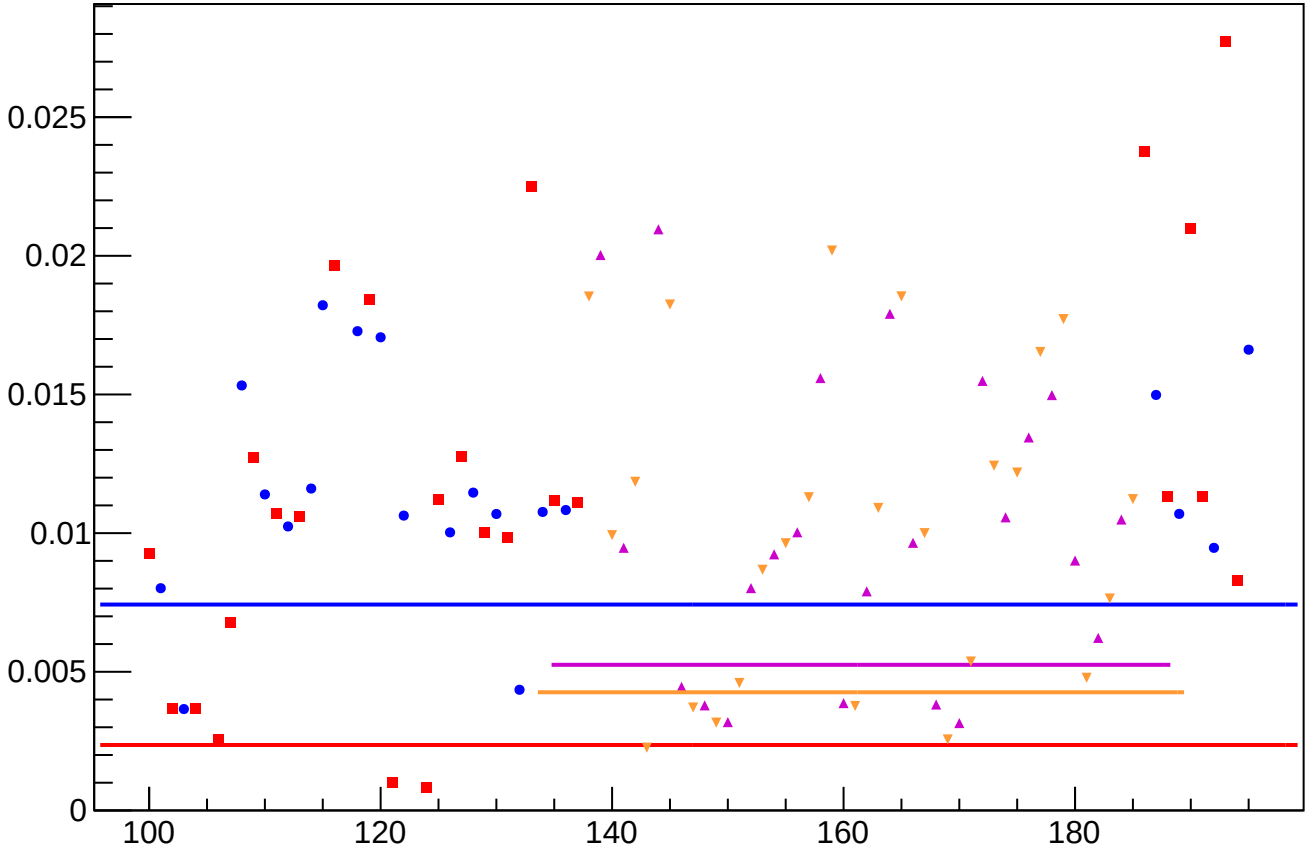
Right: -0.000+/-0.000 χ^2/NDF: 57.2/44

In: 0.000+/-0.000 χ^2/NDF:56.5/42

Out: -0.000+/-0.000 χ^2/NDF:59.5/49

All: -0.000+/-0.000 χ^2/NDF: 117.9/92

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4082730.9/19

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 13930362.5/24

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

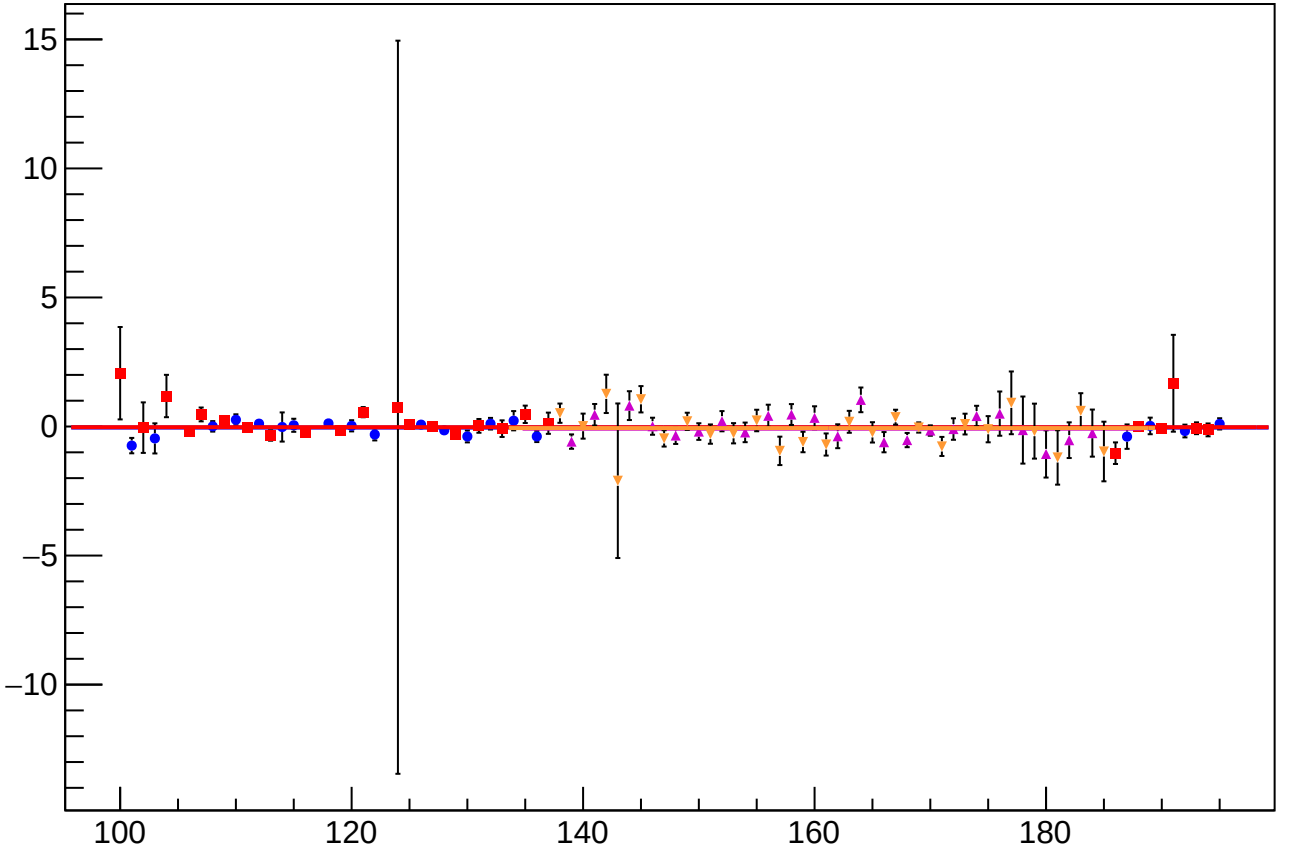
Right: 0.003+/-0.000 χ^2/NDF: 23589666.9/44

In: 0.006+/-0.000 χ^2/NDF:14560373.9/42

Out: 0.003+/-0.000 χ^2/NDF:29252010.9/49

All: 0.004+/-0.000 χ^2/NDF: 48543584.0/92

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.052 χ^2/NDF: 19.2/19

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.044 χ^2/NDF: 35.9/24

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

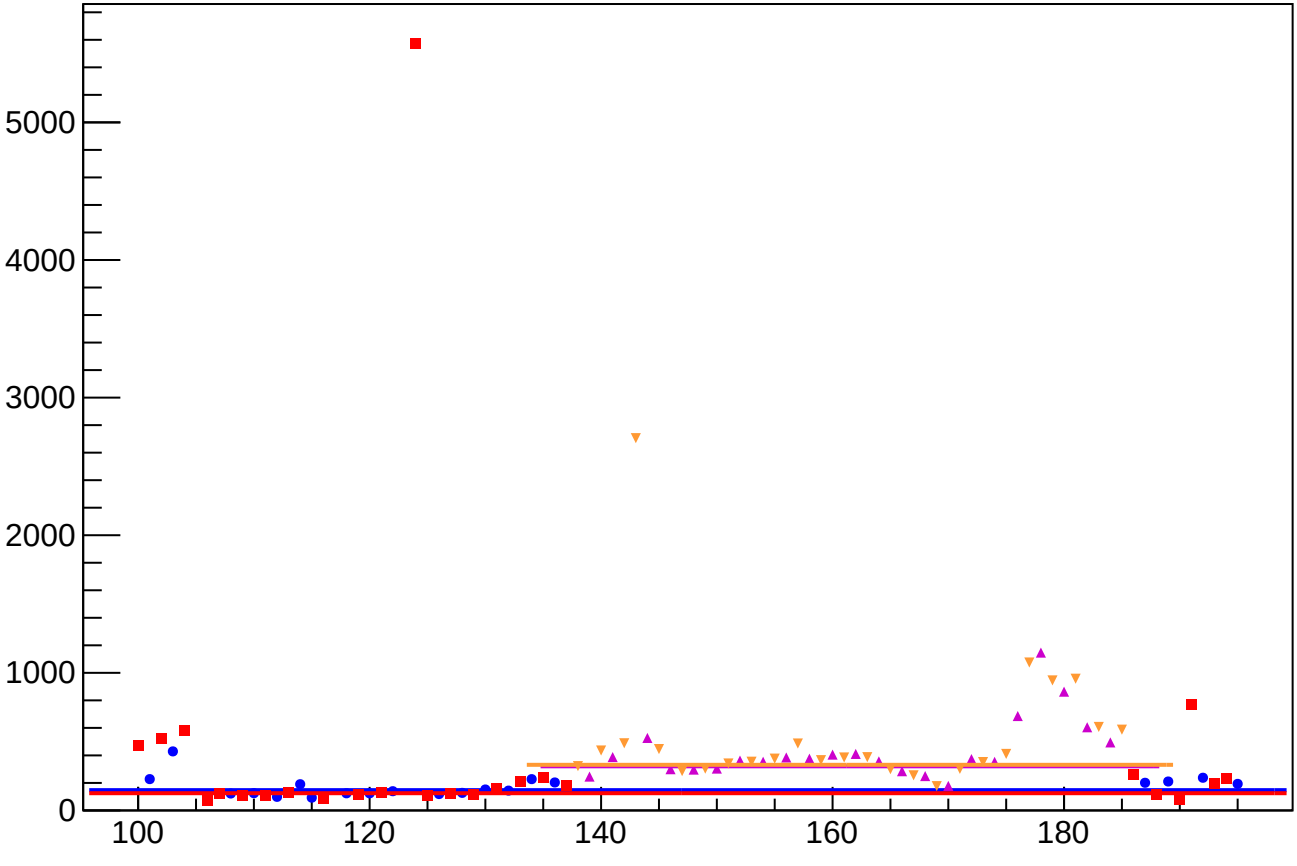
Right: -0.032+/-0.033 χ^2/NDF: 55.2/44

In: -0.053+/-0.044 χ^2/NDF:46.5/42

Out: -0.034+/-0.039 χ^2/NDF:66.8/49

All: -0.042+/-0.029 χ^2/NDF: 113.4/92

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.613+/-0.037 χ^2/NDF: 1789595.1/19

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 125.361+/-0.031 χ^2/NDF: 3360864.3/24

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

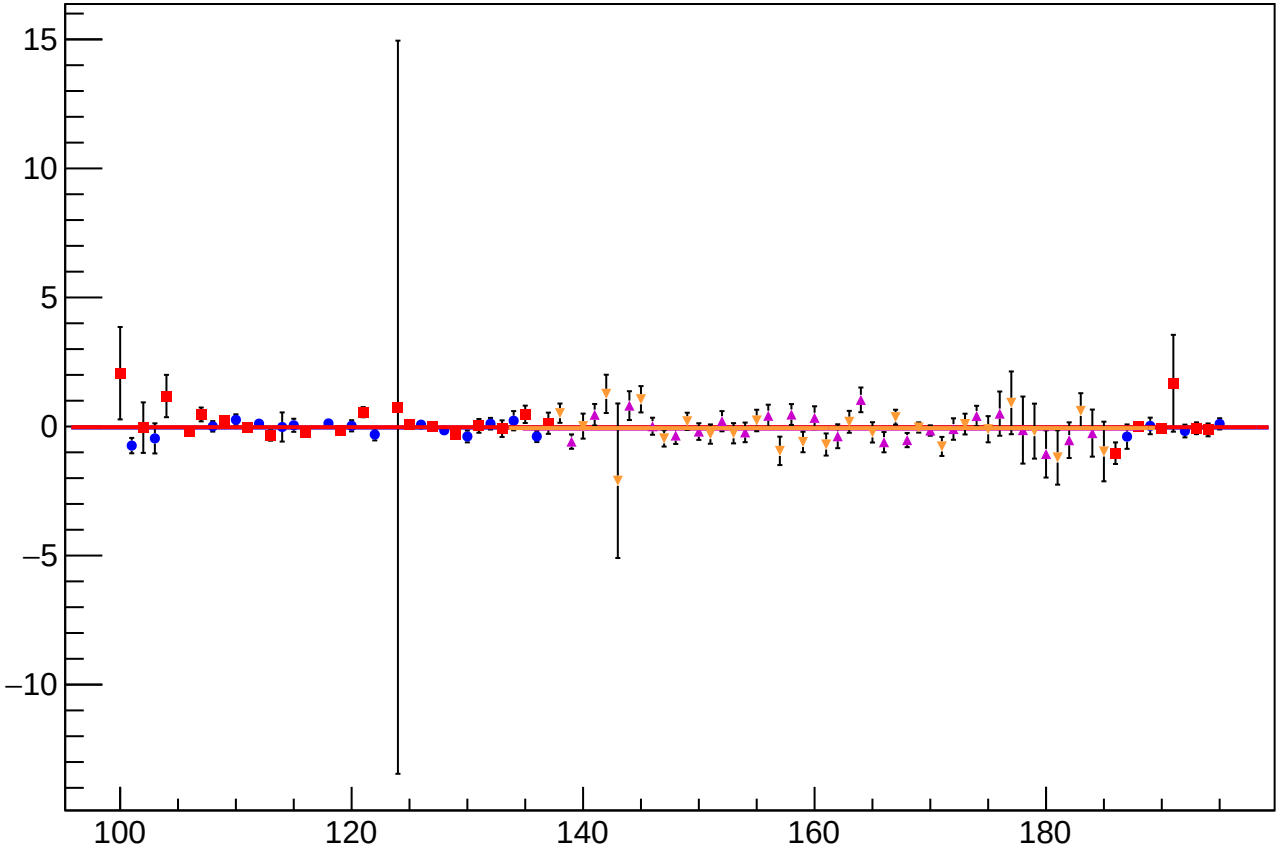
Right: 134.619+/-0.024 χ^2/NDF: 5365830.7/44

In: 197.759+/-0.031 χ^2/NDF:12505328.6/42

Out: 169.615+/-0.027 χ^2/NDF:18743468.9/49

All: 182.018+/-0.020 χ^2/NDF: 31713388.5/92

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.052 χ^2/NDF: 19.2/19

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.044 χ^2/NDF: 35.9/24

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

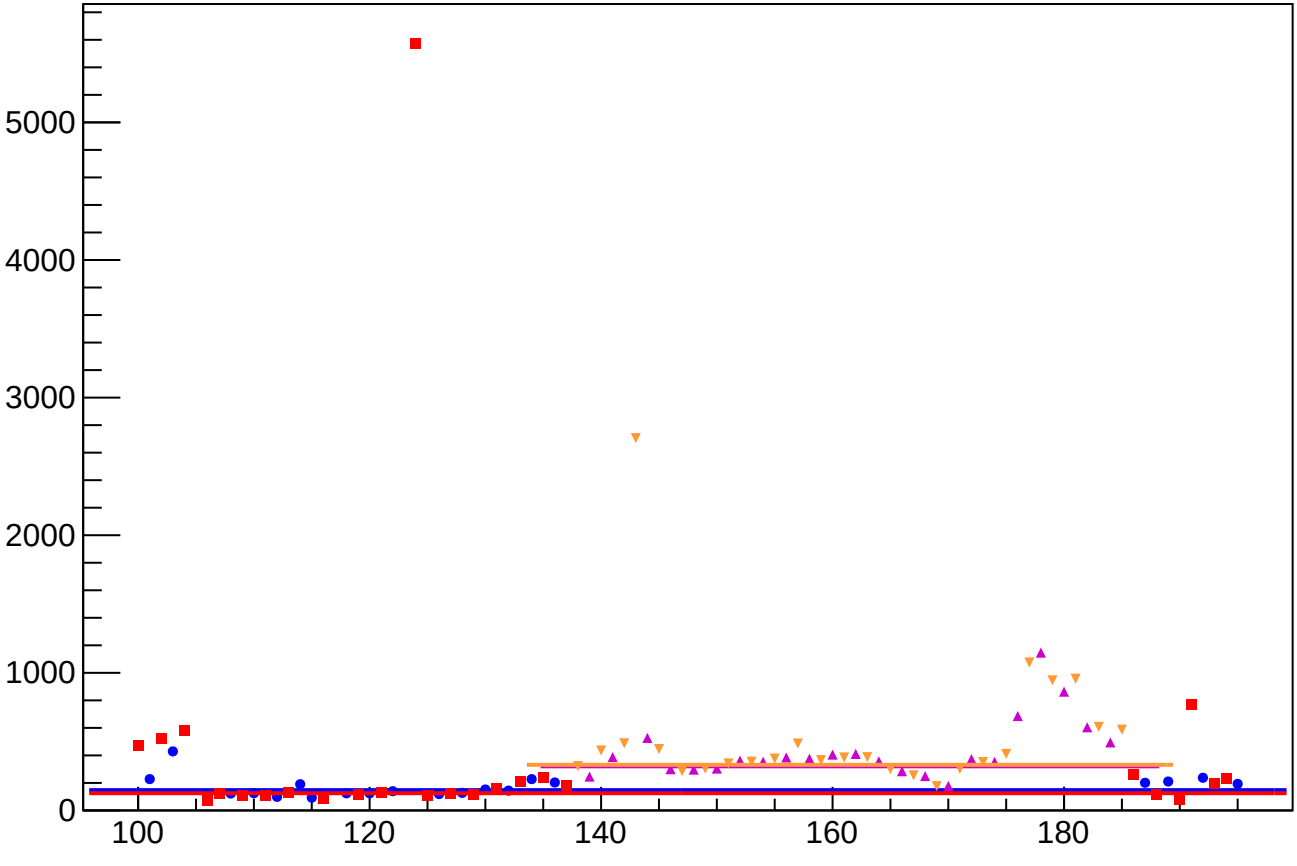
Right: -0.032+/-0.033 χ^2/NDF: 55.2/44

In: -0.053+/-0.044 χ^2/NDF:46.5/42

Out: -0.034+/-0.039 χ^2/NDF:66.8/49

All: -0.042+/-0.029 χ^2/NDF: 113.4/92

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.613+/-0.037 χ^2/NDF: 1789595.1/19

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 125.361+/-0.031 χ^2/NDF: 3360864.3/24

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

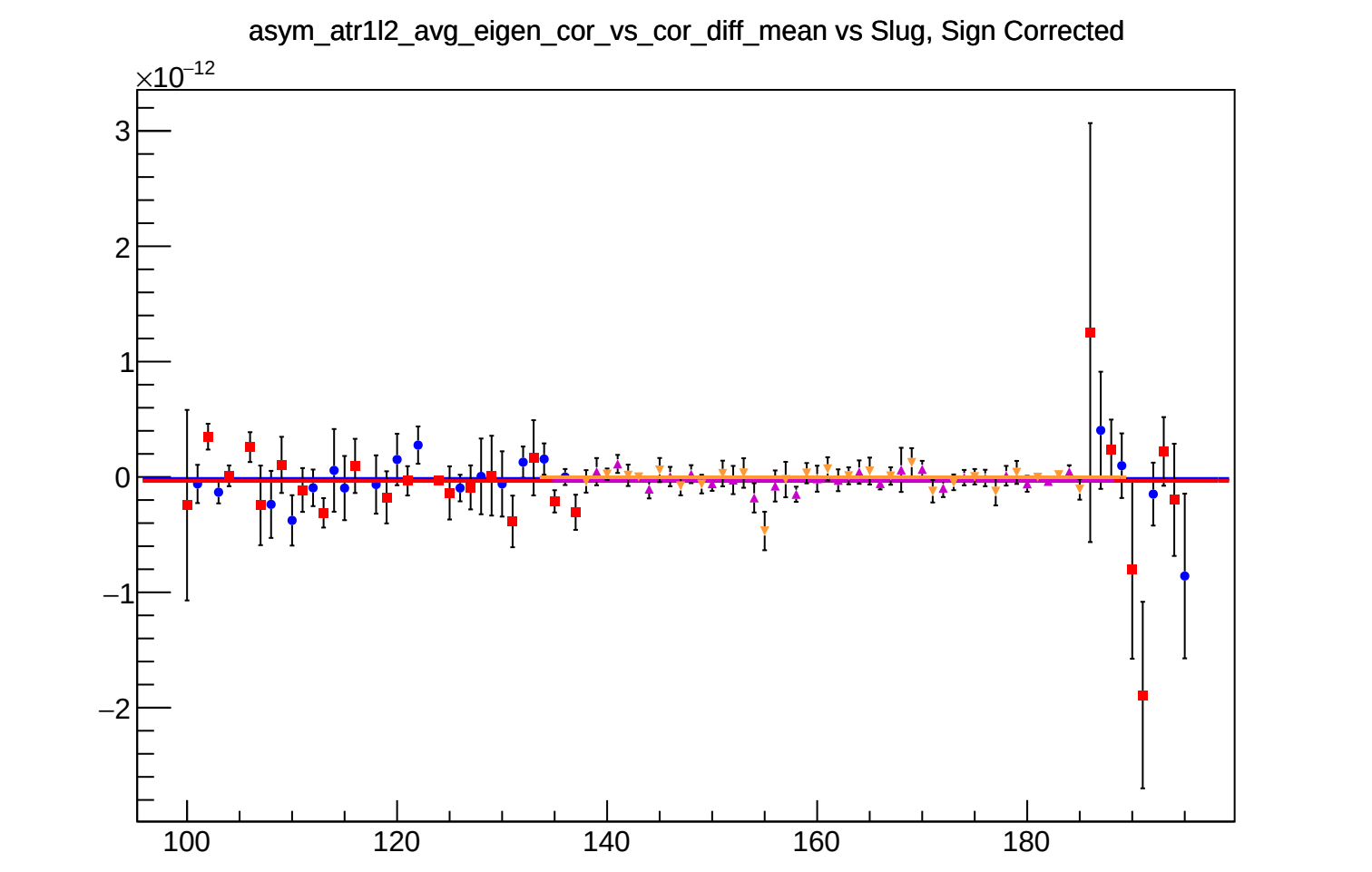
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 134.619+/-0.024 χ^2/NDF: 5365830.7/44

In: 197.759+/-0.031 χ^2/NDF:12505328.6/42

Out: 169.615+/-0.027 χ^2/NDF:18743468.9/49

All: 182.018+/-0.020 χ^2/NDF: 31713388.5/92



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.9/24

Left In: -0.000+/-0.000 χ^2/NDF:16.1/22

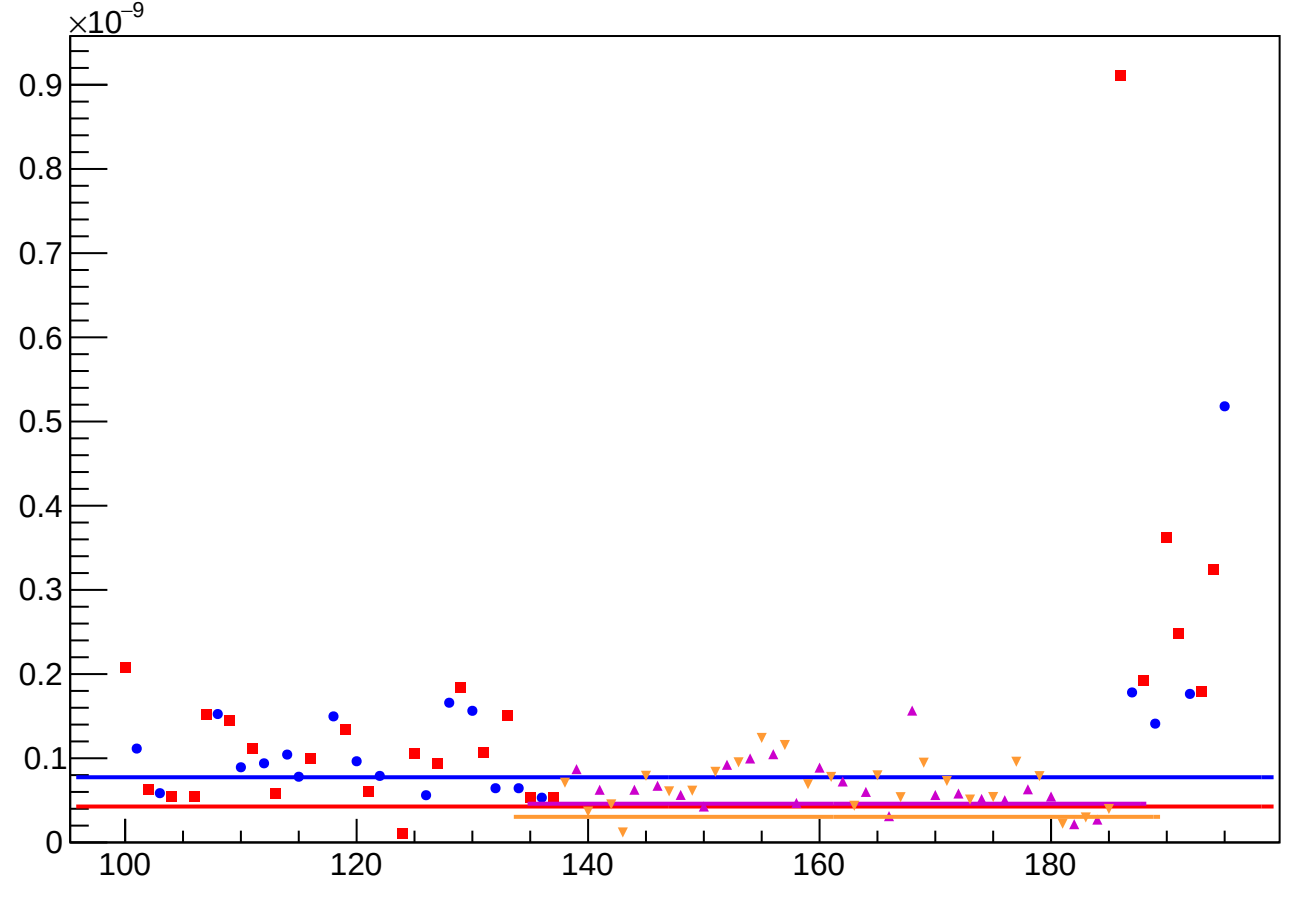
Left: -0.000+/-0.000 χ^2/NDF: 34.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.9/44

In: -0.000+/-0.000 χ^2/NDF:31.0/42

Out: -0.000+/-0.000 χ^2/NDF:60.2/49

All: -0.000+/-0.000 χ^2/NDF: 92.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 2367694.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7016350.7/24

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

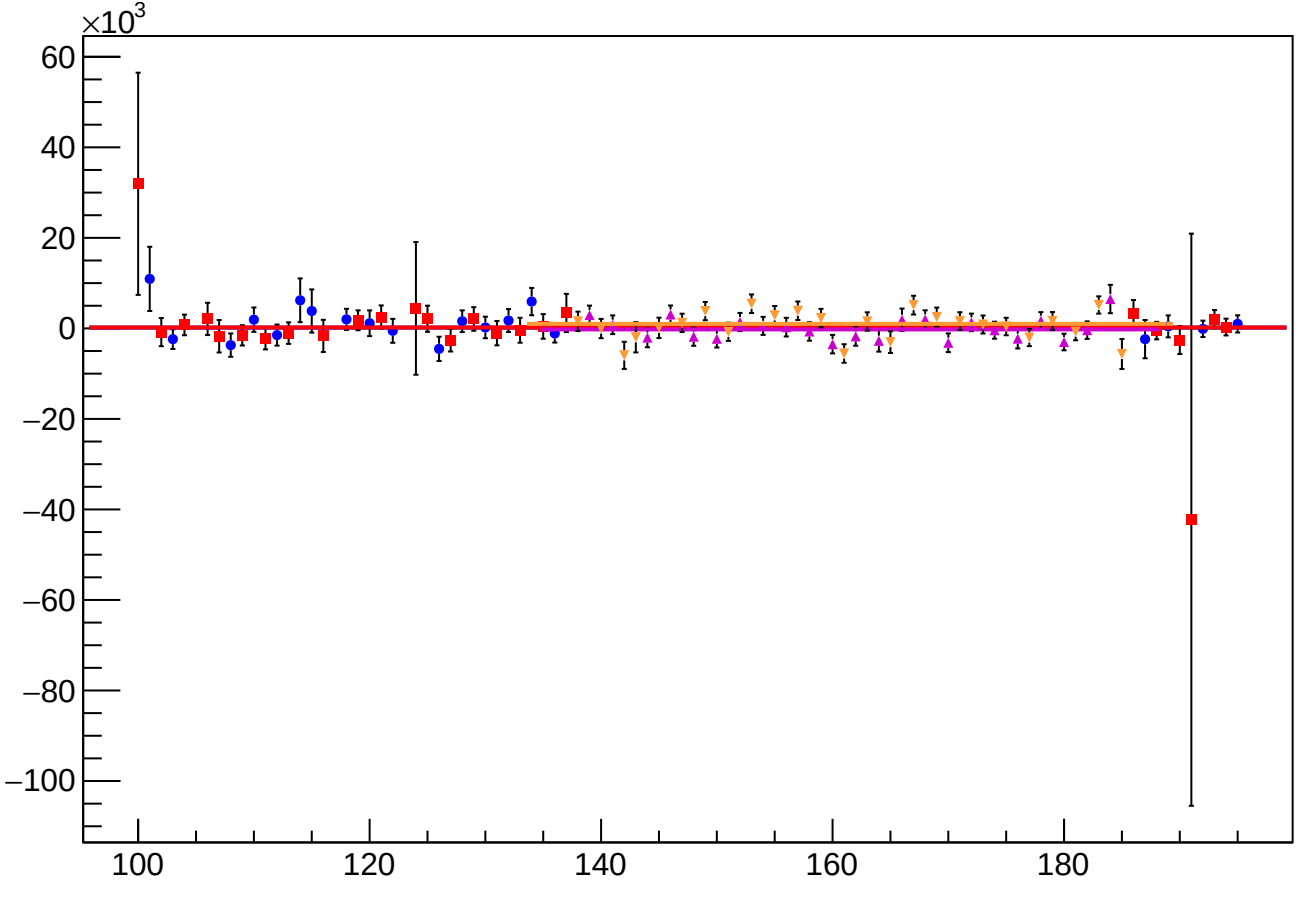
Right: 0.000+/-0.000 χ^2/NDF: 10618122.7/44

In: 0.000+/-0.000 χ^2/NDF:8553352.6/42

Out: 0.000+/-0.000 χ^2/NDF:17935711.9/49

All: 0.000+/-0.000 χ^2/NDF: 28806033.8/92

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 171.827+/-572.302 χ^2/NDF: 18.2/19

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 195.047+/-546.793 χ^2/NDF: 12.2/24

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

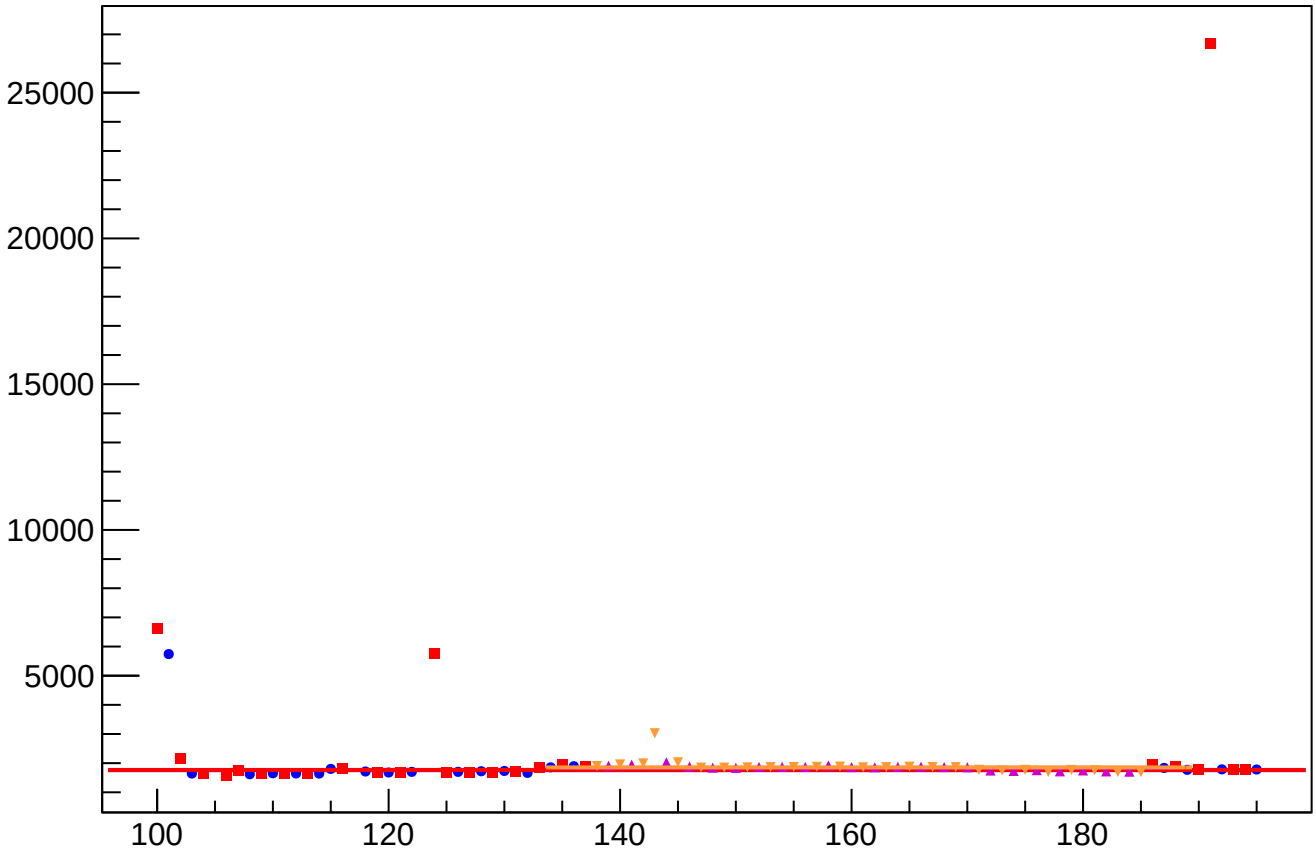
Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

Right: 183.966+/-395.352 χ^2/NDF: 30.5/44

In: -84.704+/-343.623 χ^2/NDF:44.9/42

Out: 701.608+/-334.365 χ^2/NDF:60.9/49

All: 319.186+/-239.638 χ^2/NDF: 108.6/92



Right In: 1759.258+/-0.405 χ^2/NDF: 671455.0/19

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.097+/-0.385 χ^2/NDF: 637755.8/24

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

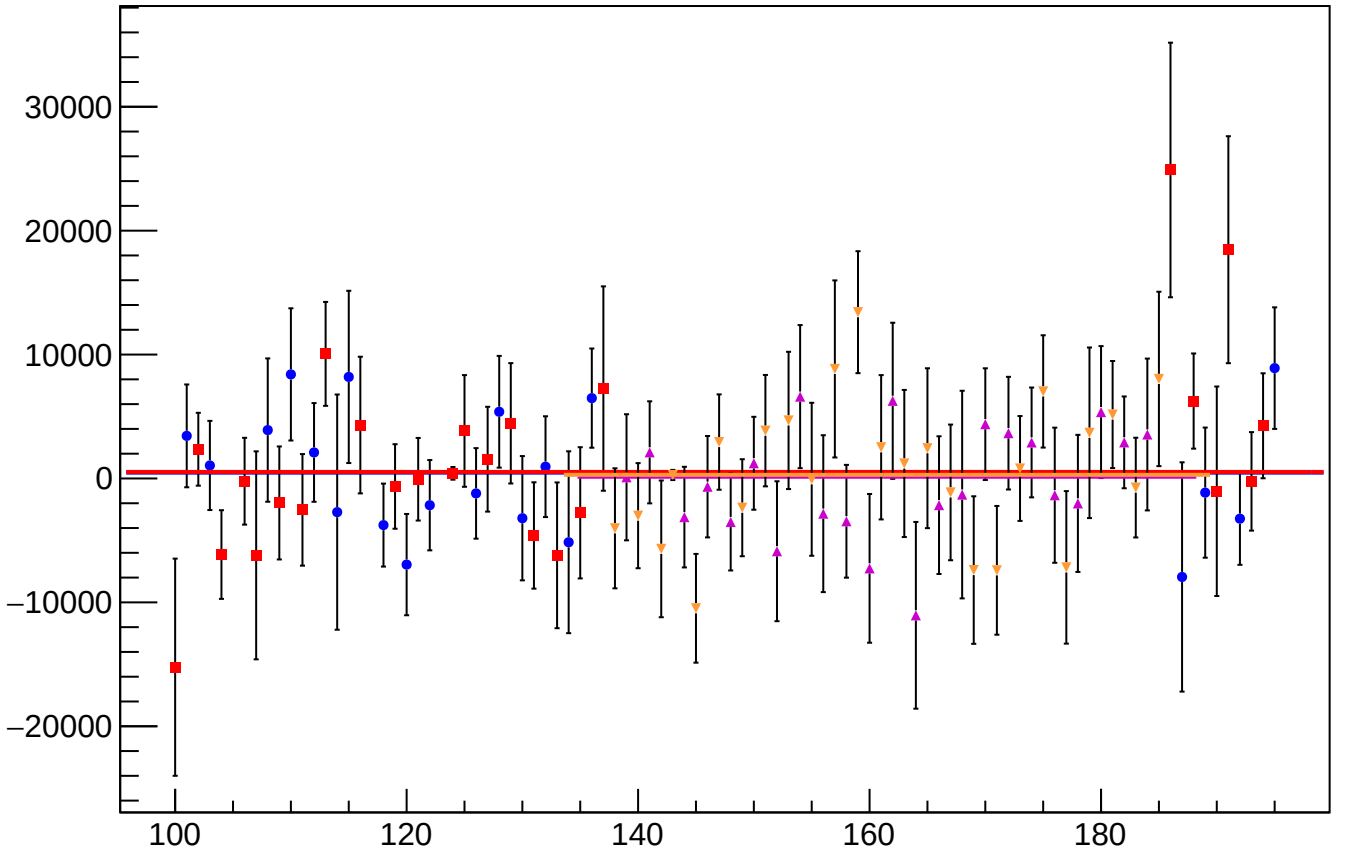
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.376+/-0.279 χ^2/NDF: 1309408.0/44

In: 1809.951+/-0.243 χ^2/NDF:764470.8/42

Out: 1820.380+/-0.236 χ^2/NDF:989561.4/49

All: 1815.318+/-0.169 χ^2/NDF: 1754980.4/92



Right In: 472.143+/-1006.946 χ^2/NDF: 19.7/19

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 528.905+/-447.638 χ^2/NDF: 31.9/24

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

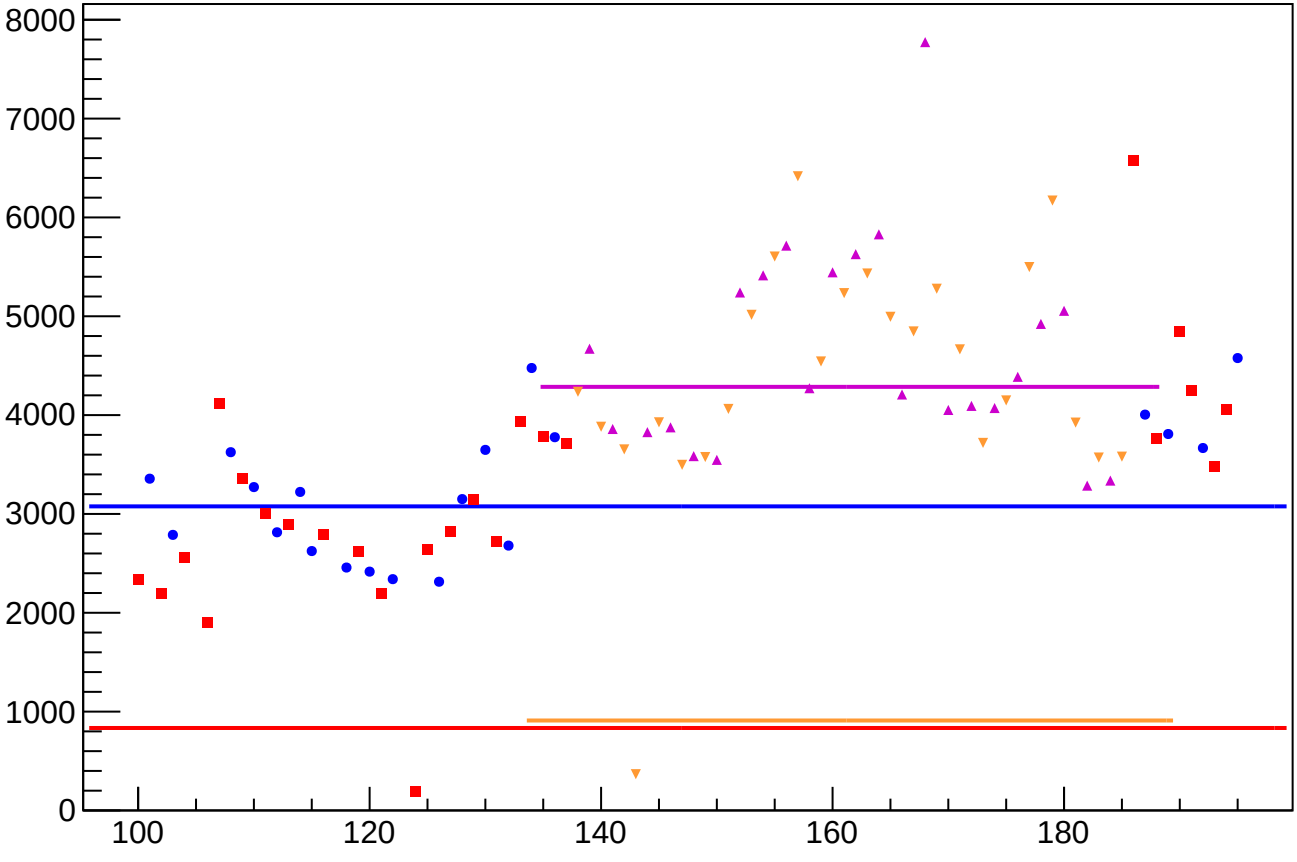
Right: 519.538+/-409.041 χ^2/NDF: 51.6/44

In: 307.877+/-717.607 χ^2/NDF:33.6/42

Out: 392.595+/-289.659 χ^2/NDF:62.1/49

All: 380.726+/-268.603 χ^2/NDF: 95.8/92

asym_atr1l2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3076.583+/-0.712 χ^2/NDF: 825212.1/19

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 834.394+/-0.317 χ^2/NDF: 14908213.9/24

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

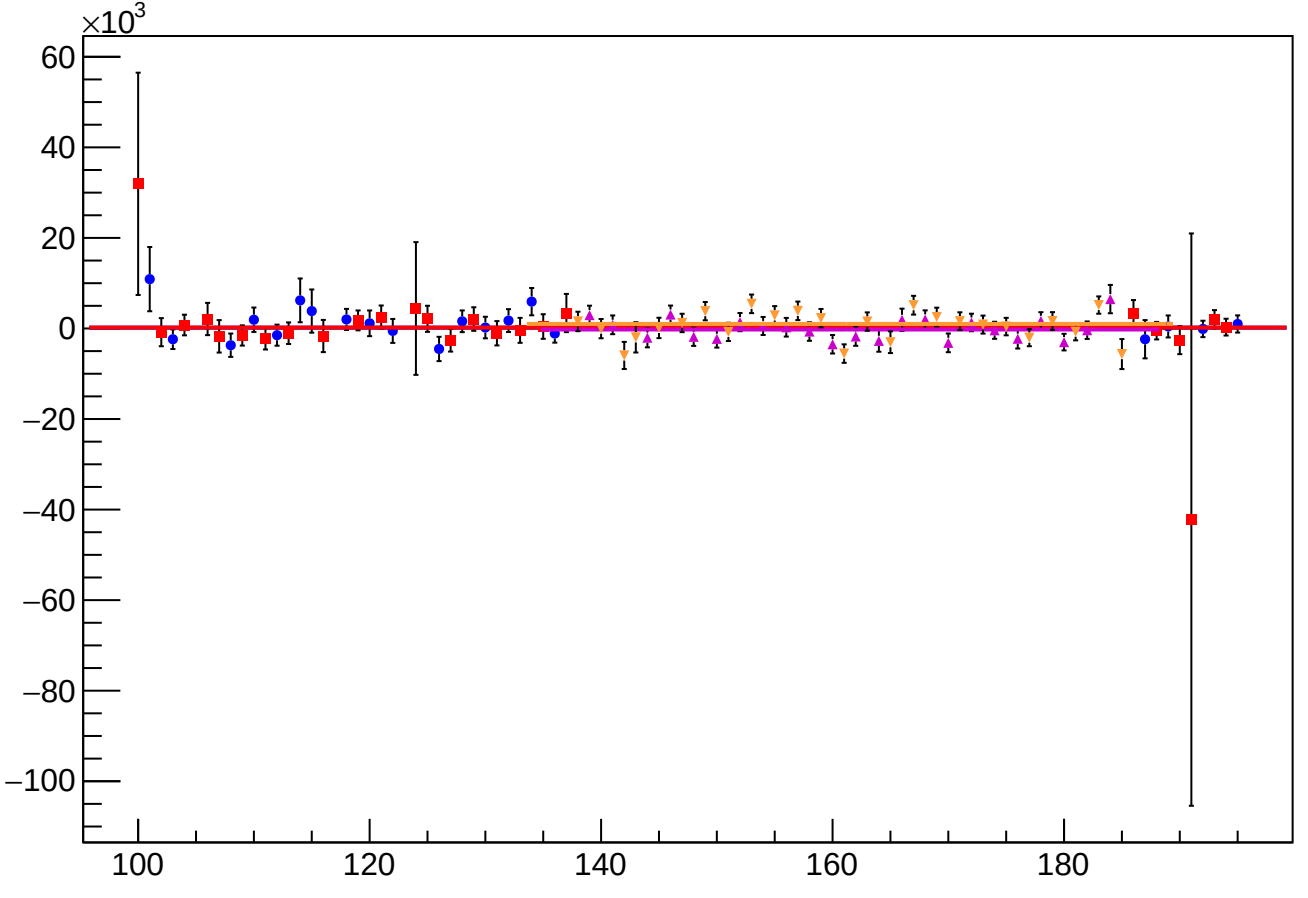
Right: 1204.386+/-0.289 χ^2/NDF: 24013634.2/44

In: 3671.681+/-0.507 χ^2/NDF:3572626.2/42

Out: 878.421+/-0.205 χ^2/NDF:41715621.0/49

All: 1269.766+/-0.190 χ^2/NDF: 71345321.0/9

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 171.534+/-572.302 χ^2/NDF: 18.2/19

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 195.072+/-546.793 χ^2/NDF: 12.2/24

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

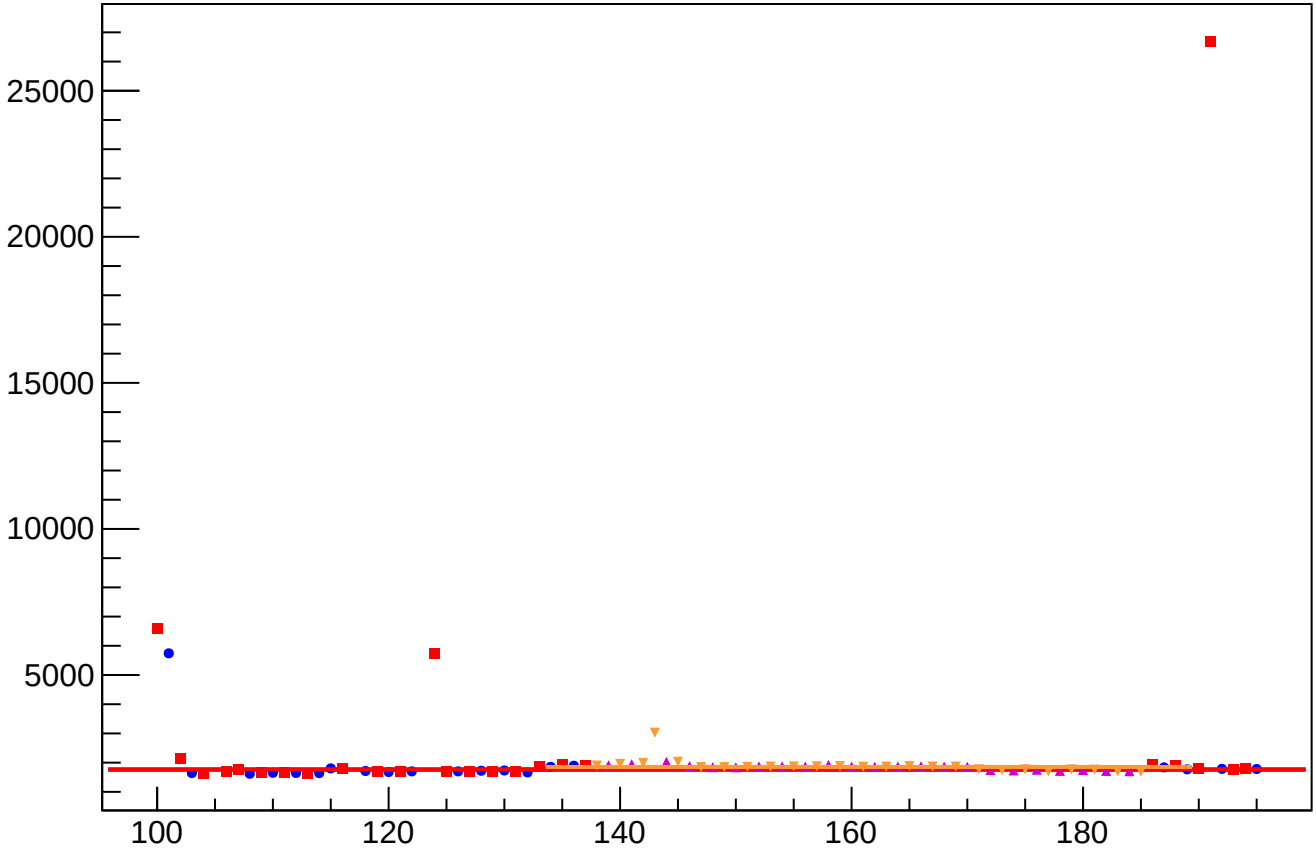
Right: 183.839+/-395.352 χ^2/NDF: 30.4/44

In: -84.756+/-343.623 χ^2/NDF:44.9/42

Out: 701.591+/-334.365 χ^2/NDF:60.9/49

All: 319.153+/-239.638 χ^2/NDF: 108.6/92

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1759.258+/-0.405 χ^2/NDF: 671455.2/19

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1771.915+/-0.386 χ^2/NDF: 629470.5/24

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

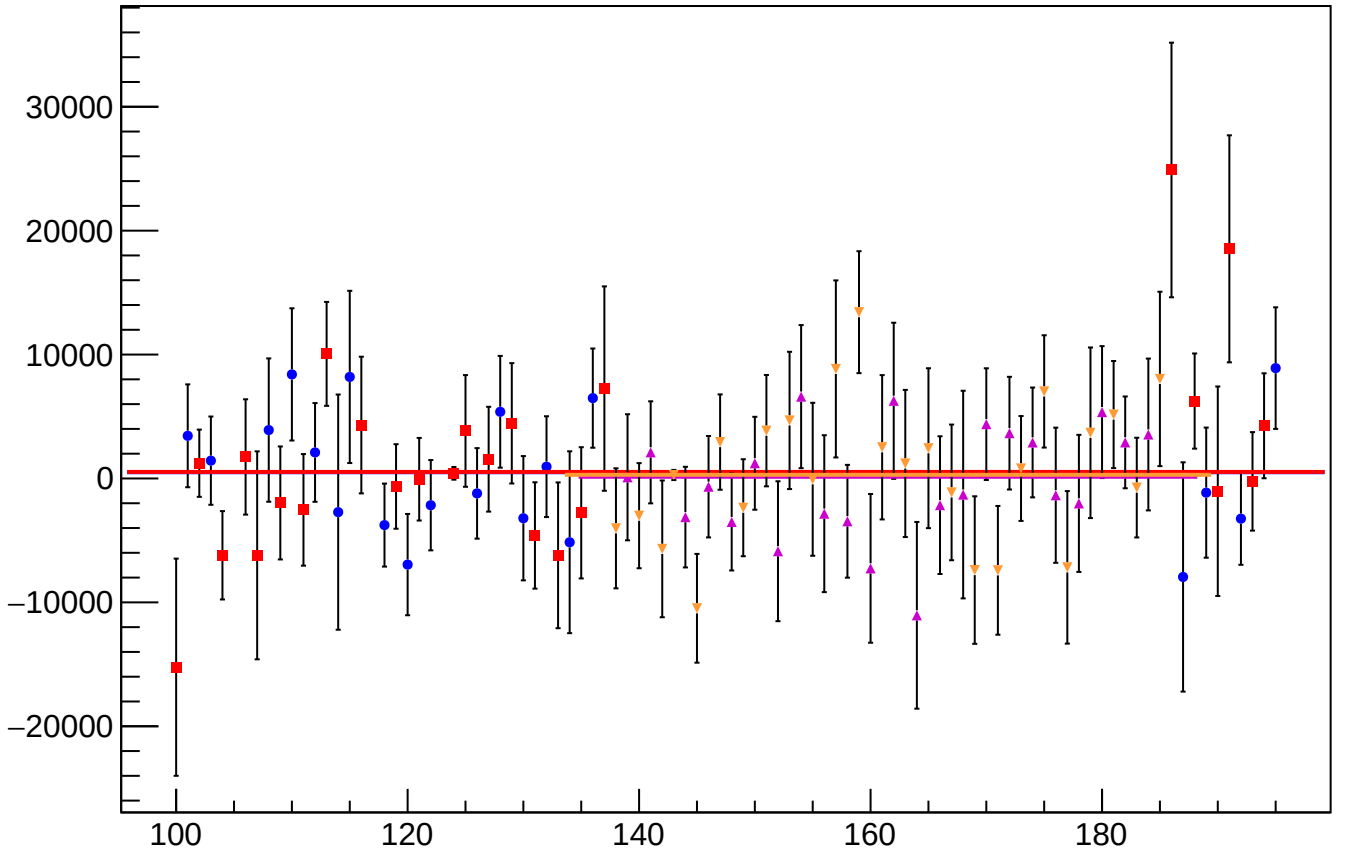
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.891+/-0.279 χ^2/NDF: 1301438.4/44

In: 1809.951+/-0.243 χ^2/NDF:764471.2/42

Out: 1822.289+/-0.236 χ^2/NDF:977818.0/49

All: 1816.294+/-0.169 χ^2/NDF: 1743614.9/92



Right In: 503.979+/-1006.152 χ^2/NDF: 19.7/19

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 527.537+/-448.492 χ^2/NDF: 31.8/24

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

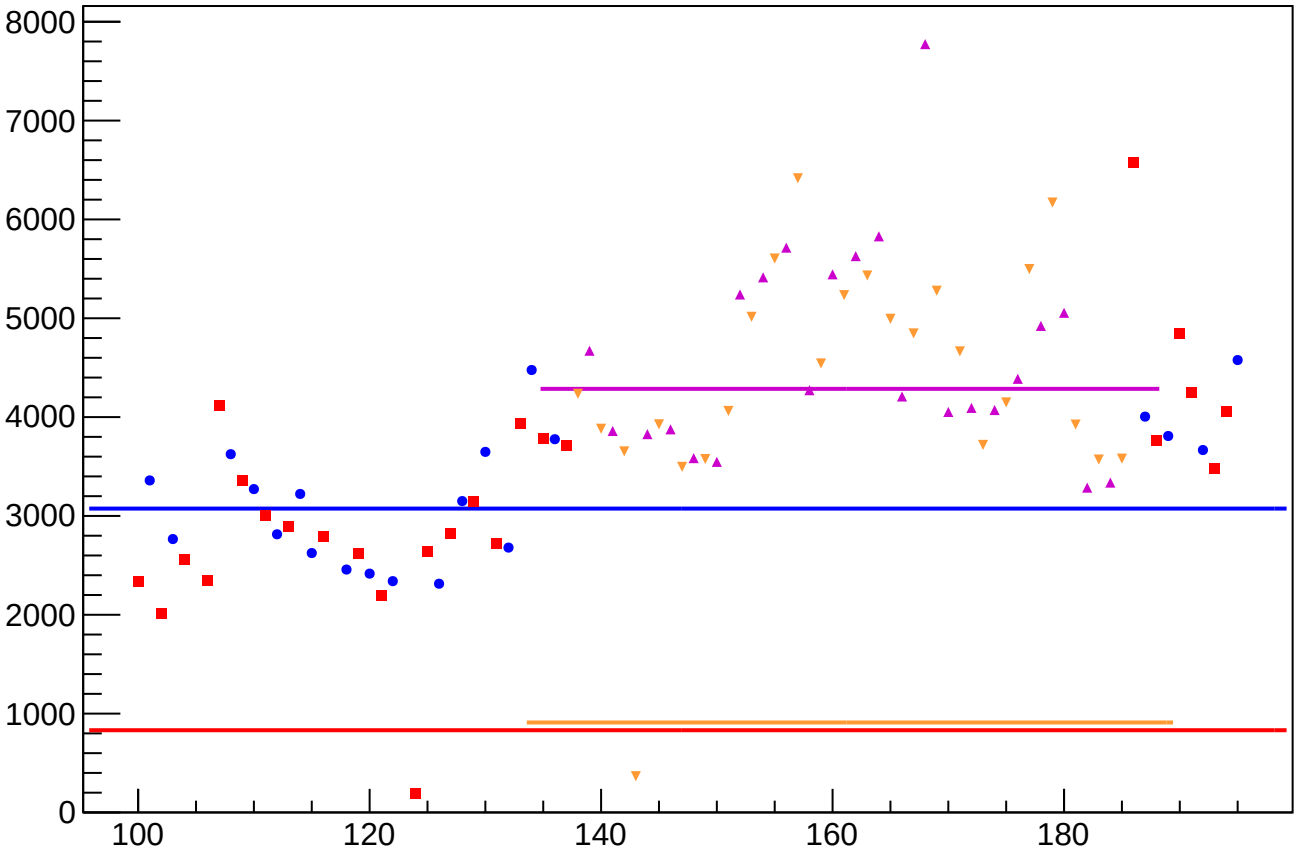
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 523.632+/-409.638 χ^2/NDF: 51.5/44

In: 324.151+/-717.319 χ^2/NDF:33.7/42

Out: 392.340+/-289.903 χ^2/NDF:61.9/49

All: 382.766+/-268.782 χ^2/NDF: 95.7/92



Right In: 3074.471+/-0.711 χ^2/NDF: 827714.5/19

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 832.025+/-0.317 χ^2/NDF: 14872841.4/24

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

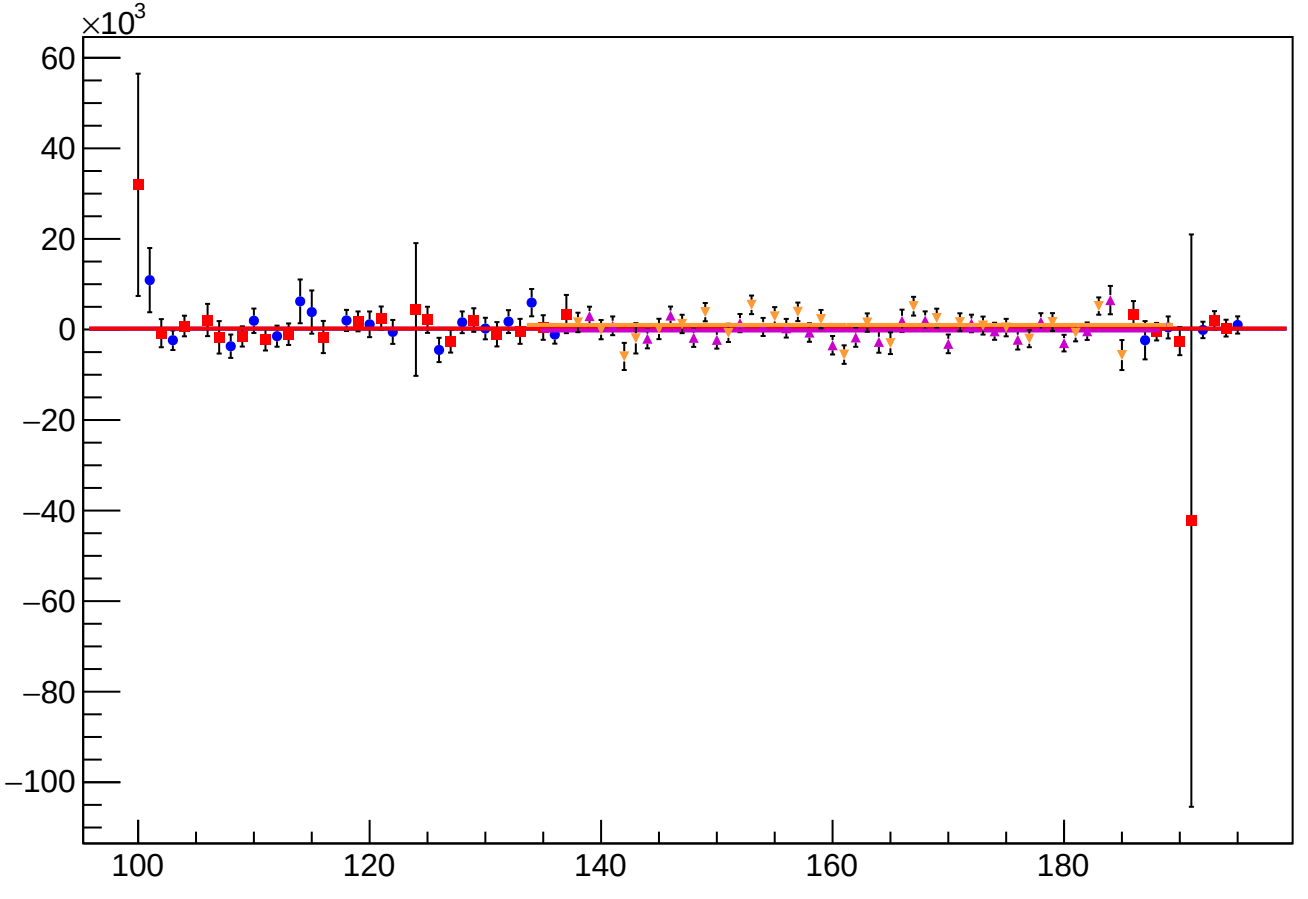
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1203.728+/-0.290 χ^2/NDF: 23988350.2/44

In: 3670.128+/-0.507 χ^2/NDF:3581188.0/42

Out: 877.568+/-0.205 χ^2/NDF:41681234.8/49

All: 1269.652+/-0.190 χ^2/NDF: 71318279.0/9



Right In: 171.534+/-572.302 χ^2/NDF: 18.2/19

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 195.072+/-546.793 χ^2/NDF: 12.2/24

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

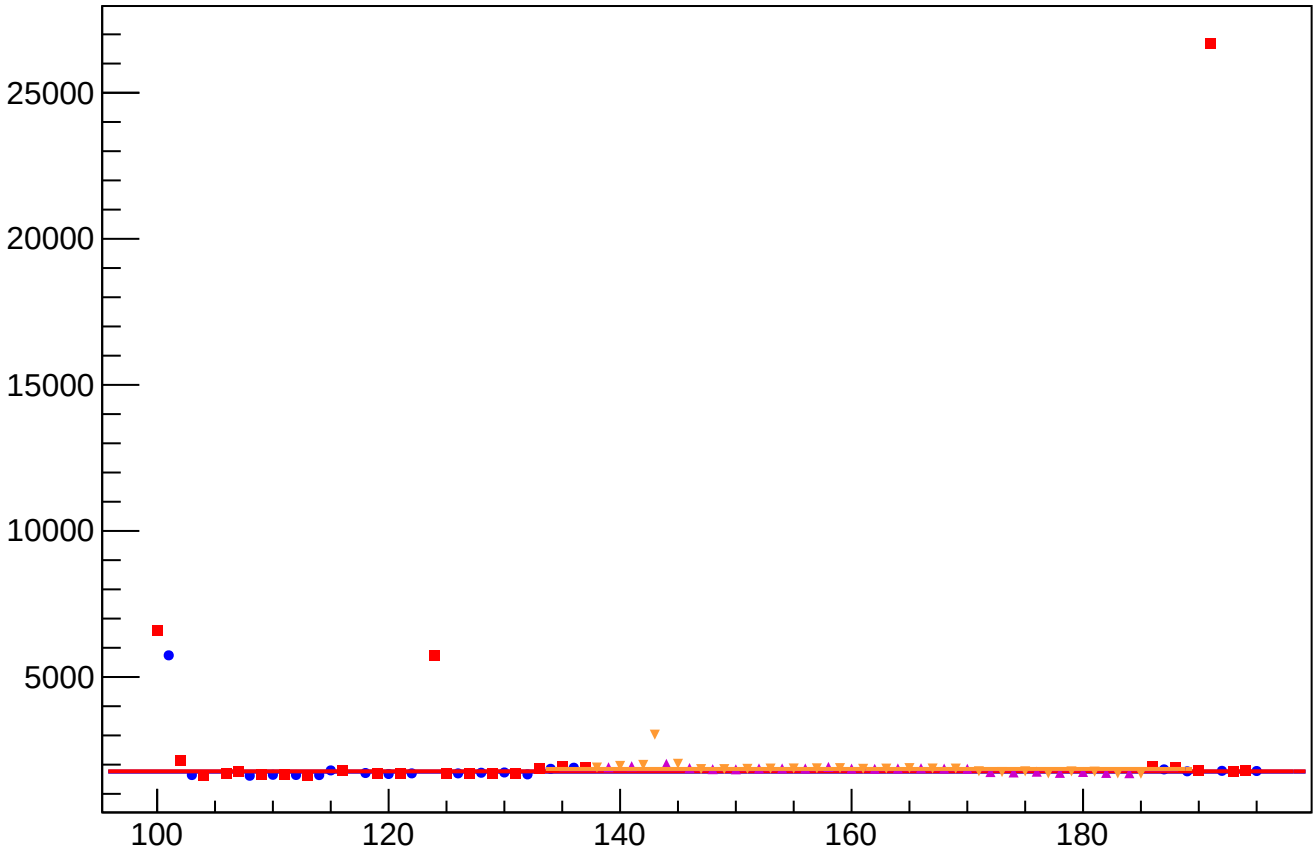
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 183.839+/-395.352 χ^2/NDF: 30.4/44

In: -84.756+/-343.623 χ^2/NDF:44.9/42

Out: 701.591+/-334.365 χ^2/NDF:60.9/49

All: 319.153+/-239.638 χ^2/NDF: 108.6/92



Right In: 1759.258+/-0.405 χ^2/NDF: 671455.2/19

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1771.915+/-0.386 χ^2/NDF: 629470.5/24

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

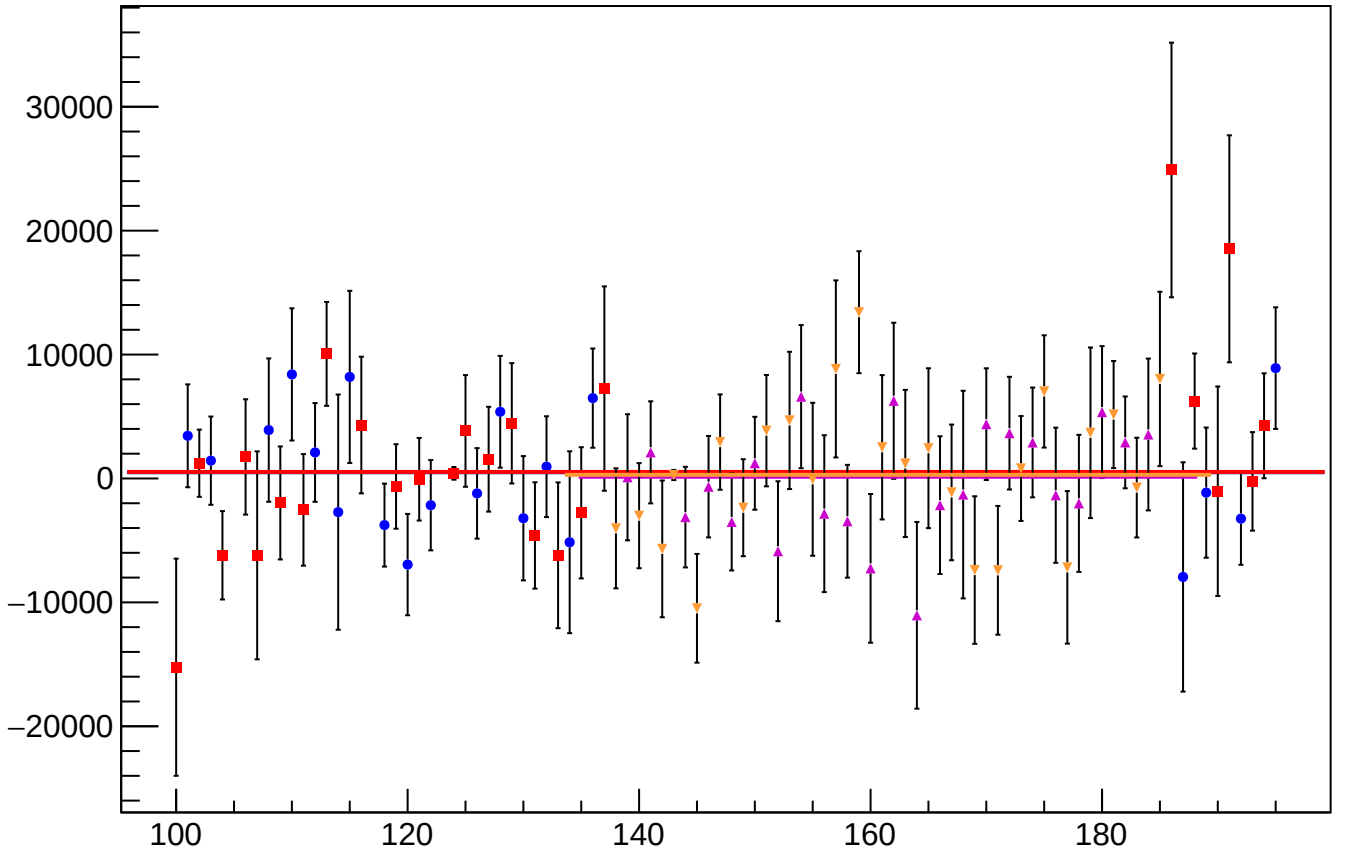
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.891+/-0.279 χ^2/NDF: 1301438.4/44

In: 1809.951+/-0.243 χ^2/NDF:764471.2/42

Out: 1822.289+/-0.236 χ^2/NDF:977818.0/49

All: 1816.294+/-0.169 χ^2/NDF: 1743614.9/92



Right In: 503.979+/-1006.152 χ^2/NDF: 19.7/19

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 527.537+/-448.492 χ^2/NDF: 31.8/24

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

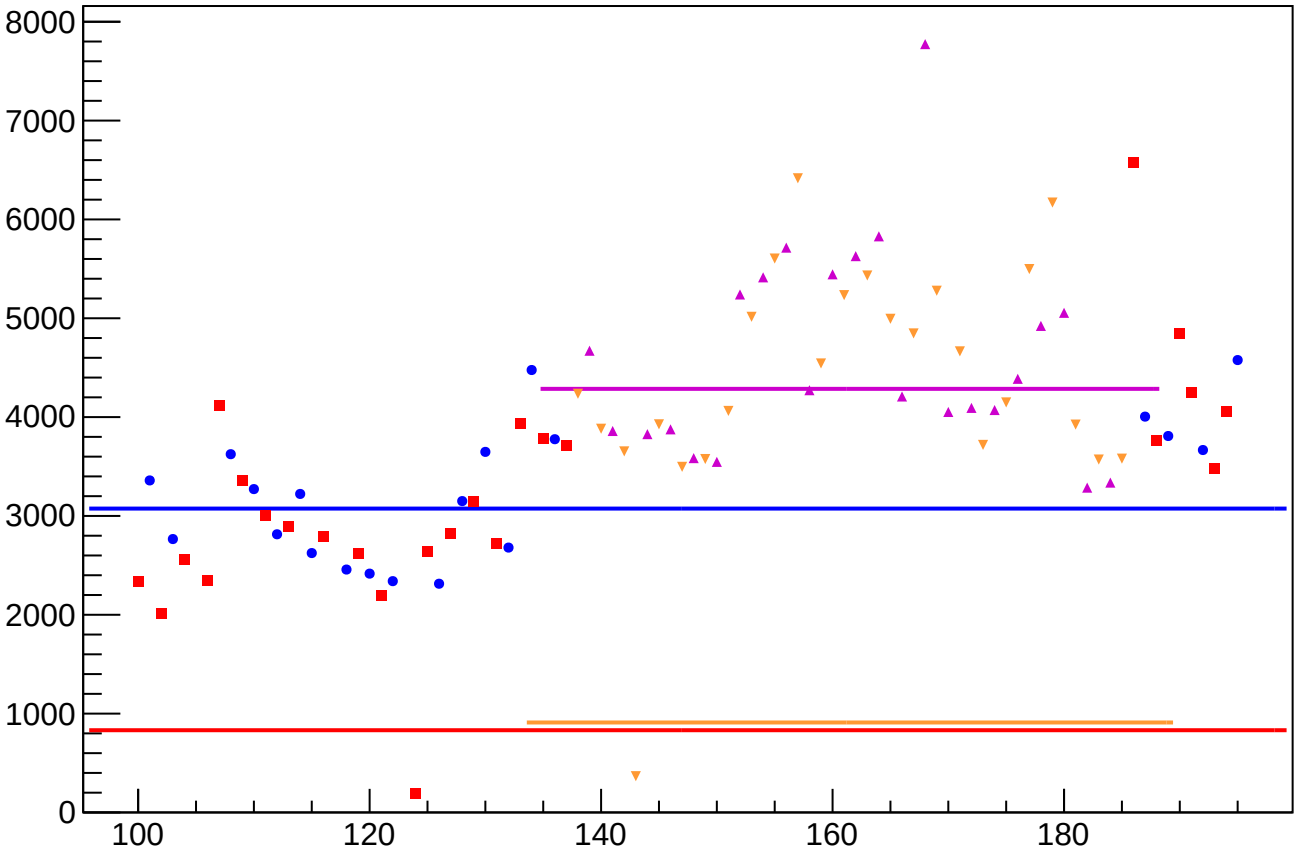
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 523.632+/-409.638 χ^2/NDF: 51.5/44

In: 324.151+/-717.319 χ^2/NDF:33.7/42

Out: 392.340+/-289.903 χ^2/NDF:61.9/49

All: 382.766+/-268.782 χ^2/NDF: 95.7/92



Right In: 3074.471+/-0.711 χ^2/NDF: 827714.5/19

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 832.025+/-0.317 χ^2/NDF: 14872841.4/24

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

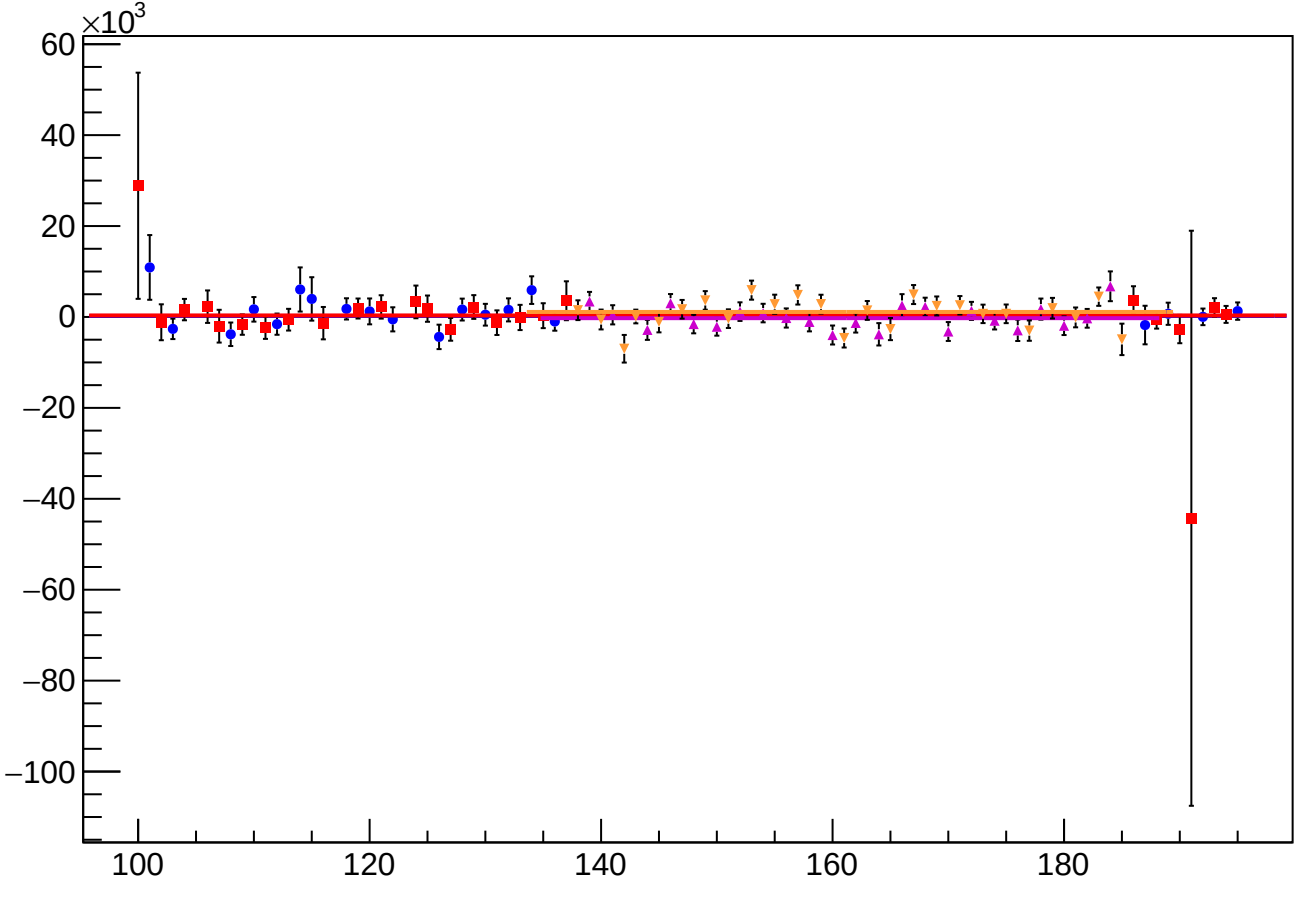
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1203.728+/-0.290 χ^2/NDF: 23988350.2/44

In: 3670.128+/-0.507 χ^2/NDF:3581188.0/42

Out: 877.568+/-0.205 χ^2/NDF:41681234.8/49

All: 1269.652+/-0.190 χ^2/NDF: 71318279.0/9



Right In: 224.339+/-575.951 χ^2/NDF: 17.9/19

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 330.108+/-546.859 χ^2/NDF: 13.4/24

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

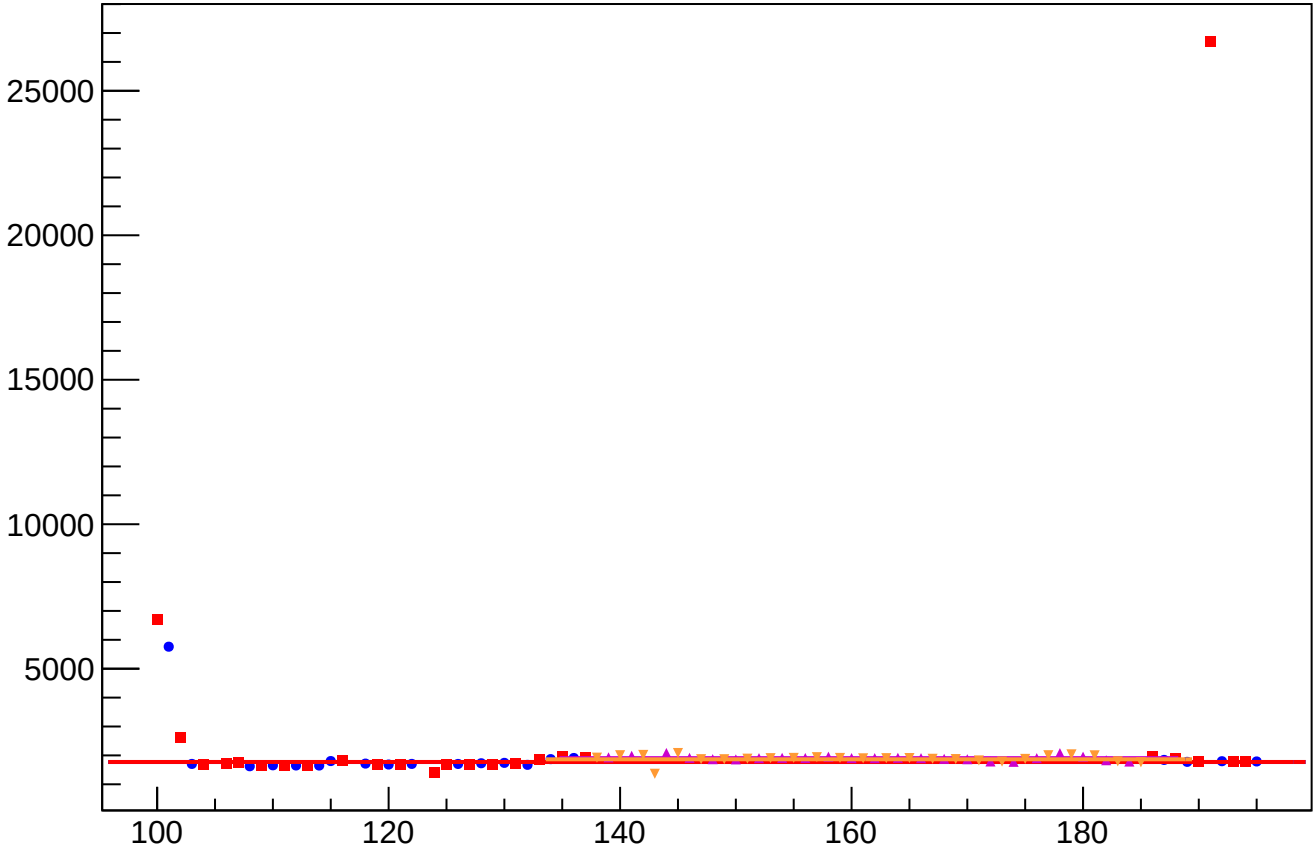
Right: 279.962+/-396.574 χ^2/NDF: 31.3/44

In: -81.653+/-352.312 χ^2/NDF:46.0/42

Out: 811.884+/-335.732 χ^2/NDF:59.5/49

All: 386.636+/-243.049 χ^2/NDF: 108.9/92

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1770.583+/-0.407 χ^2/NDF: 669315.0/19

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1772.600+/-0.386 χ^2/NDF: 560579.3/24

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

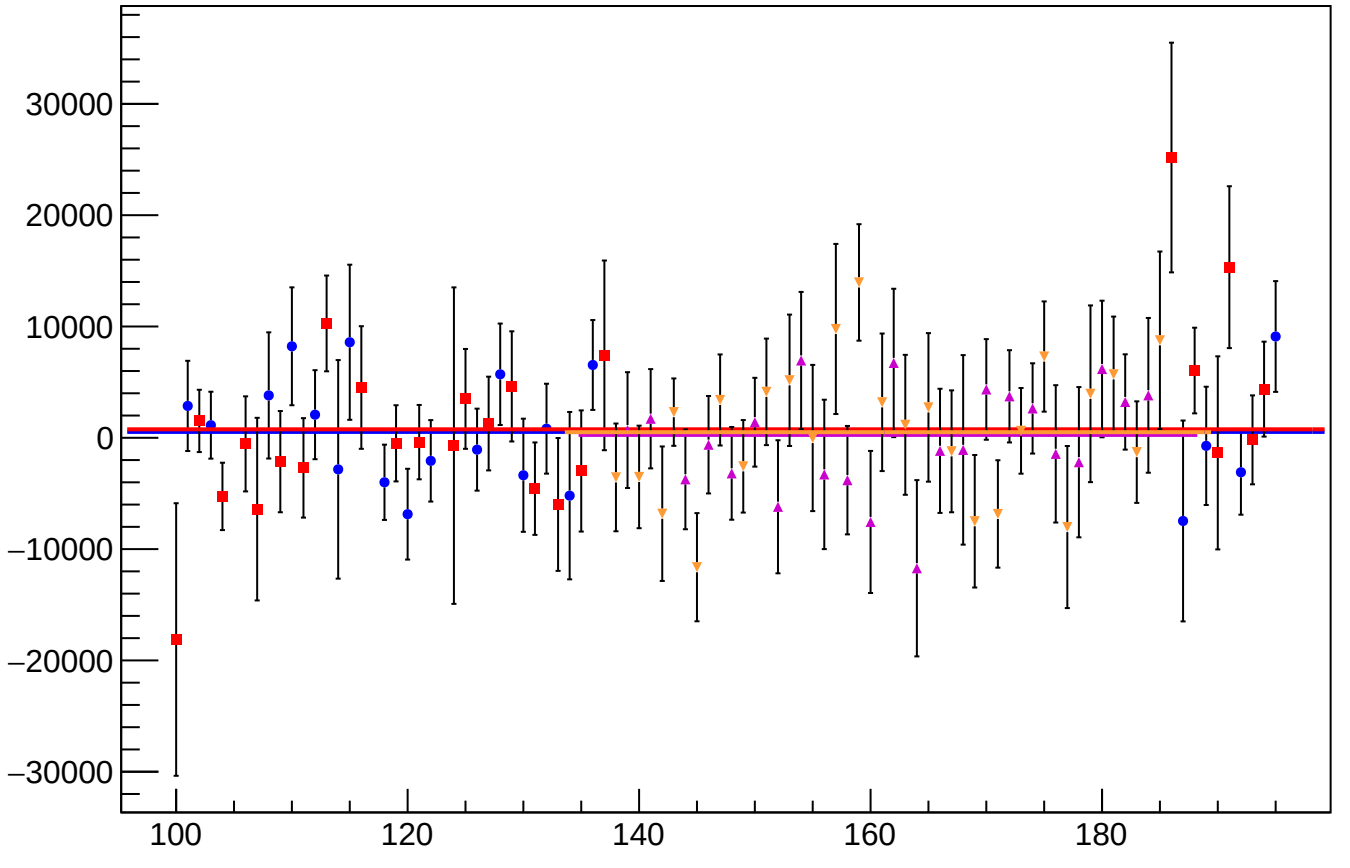
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1771.646+/-0.280 χ^2/NDF: 1229907.3/44

In: 1855.096+/-0.249 χ^2/NDF:790907.7/42

Out: 1829.987+/-0.237 χ^2/NDF:890836.0/49

All: 1841.927+/-0.172 χ^2/NDF: 1687071.6/92



Right In: 529.084+/-994.135 χ^2/NDF: 19.6/19

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 763.395+/-918.246 χ^2/NDF: 31.2/24

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

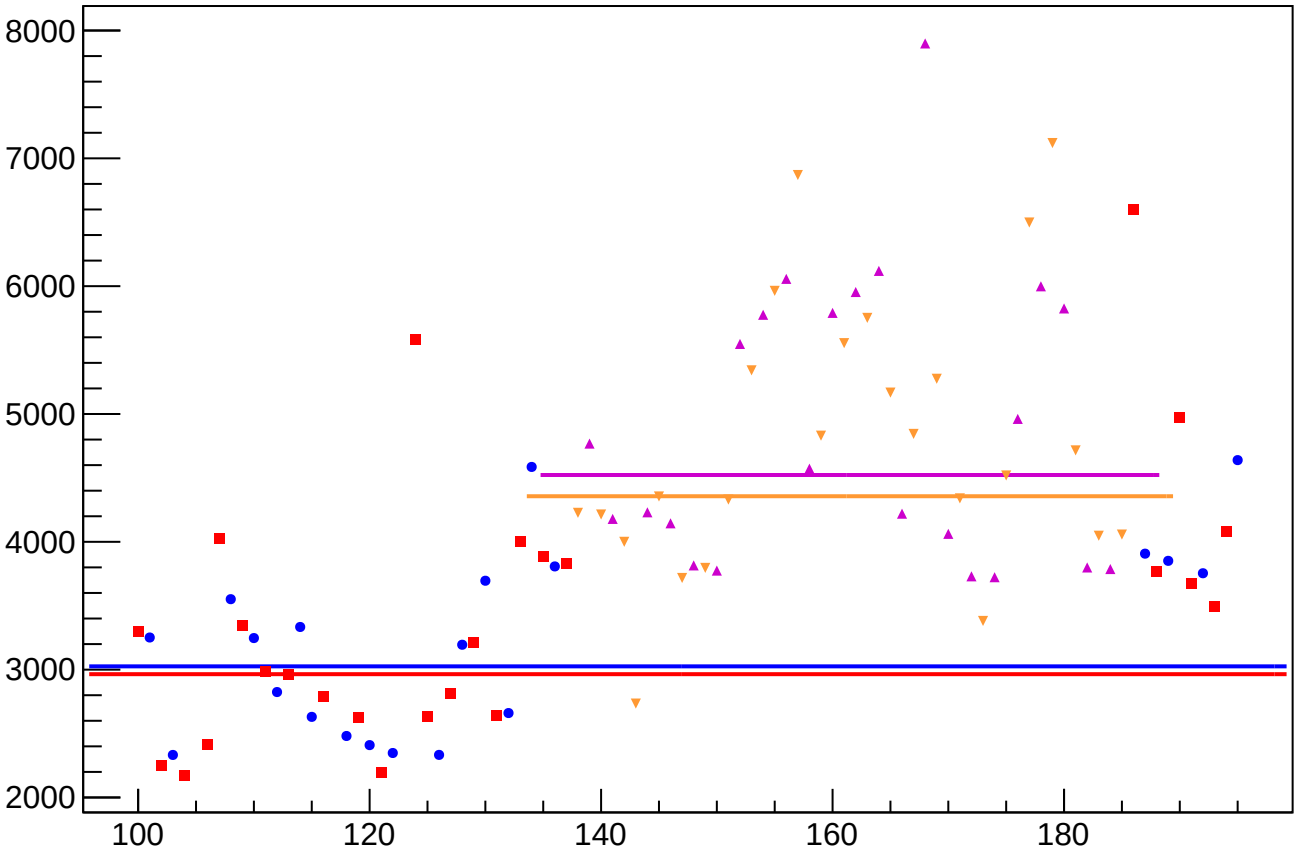
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 655.523+/-674.533 χ^2/NDF: 50.8/44

In: 406.317+/-731.869 χ^2/NDF:33.2/42

Out: 647.606+/-682.949 χ^2/NDF:61.3/49

All: 535.295+/-499.317 χ^2/NDF: 94.6/92



Right In: 3025.809+/-0.703 χ^2/NDF: 949073.4/19

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2964.647+/-0.649 χ^2/NDF: 1348840.1/24

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

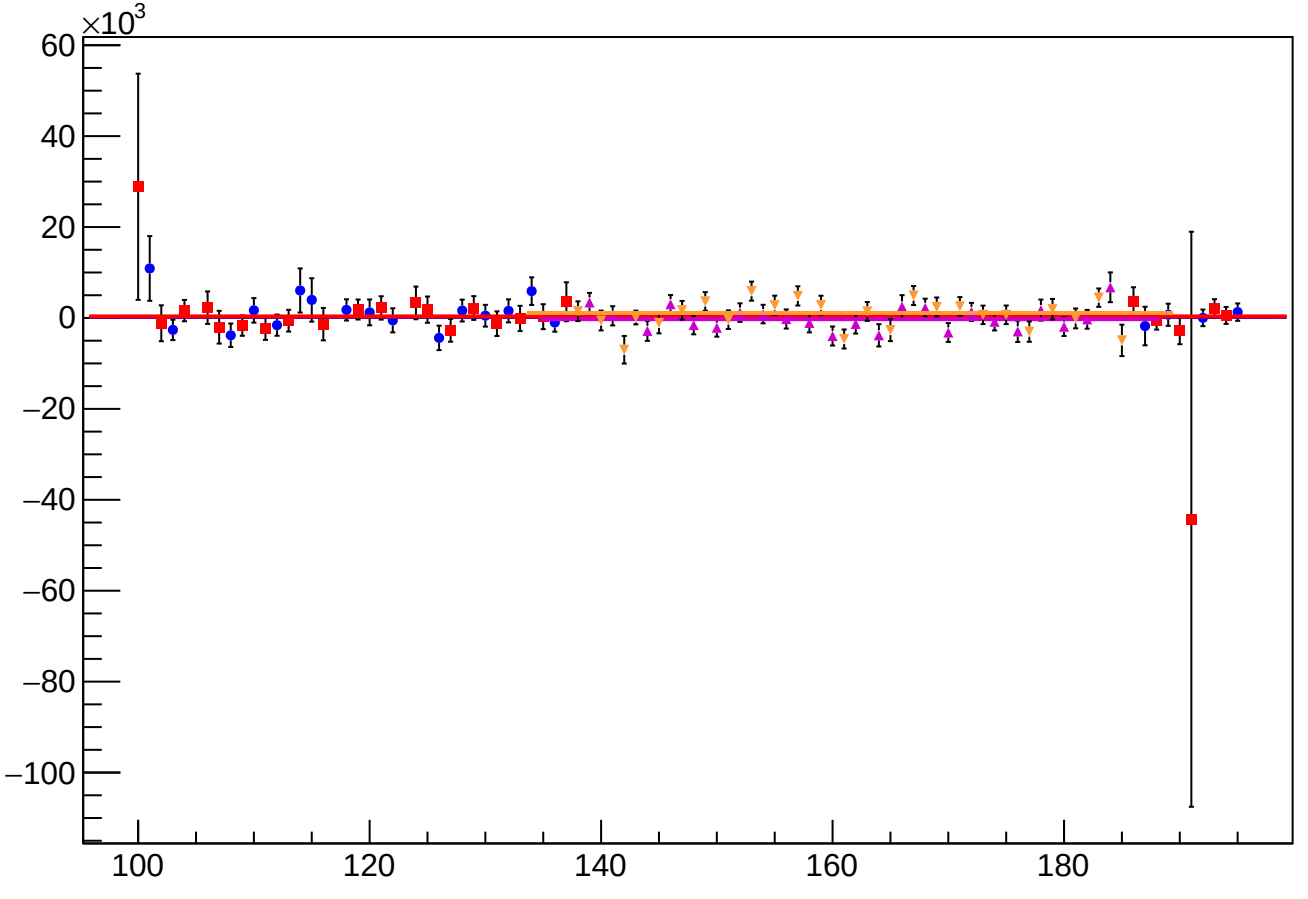
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 2992.804+/-0.477 χ^2/NDF: 2301998.5/44

In: 3711.467+/-0.518 χ^2/NDF:4460210.1/42

Out: 3586.634+/-0.483 χ^2/NDF:5314835.8/49

All: 3644.739+/-0.353 χ^2/NDF: 9806149.1/92



Right In: 224.340+/-575.951 χ^2/NDF: 17.9/19

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 330.105+/-546.859 χ^2/NDF: 13.4/24

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

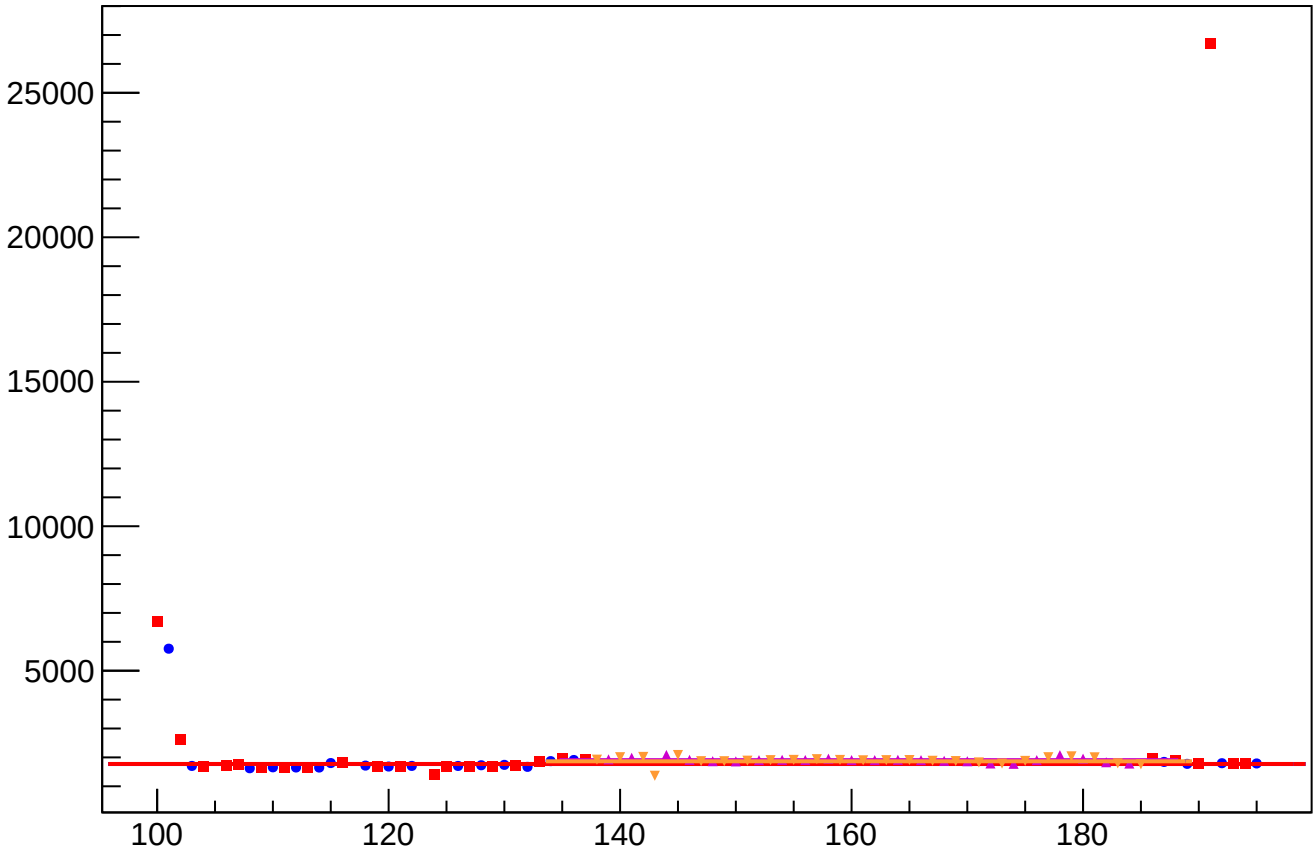
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 279.961+/-396.574 χ^2/NDF: 31.3/44

In: -81.652+/-352.313 χ^2/NDF:46.0/42

Out: 811.884+/-335.732 χ^2/NDF:59.5/49

All: 386.636+/-243.049 χ^2/NDF: 108.9/92



Right In: 1770.583+/-0.407 χ^2/NDF: 669315.0/19

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1772.600+/-0.386 χ^2/NDF: 560579.3/24

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

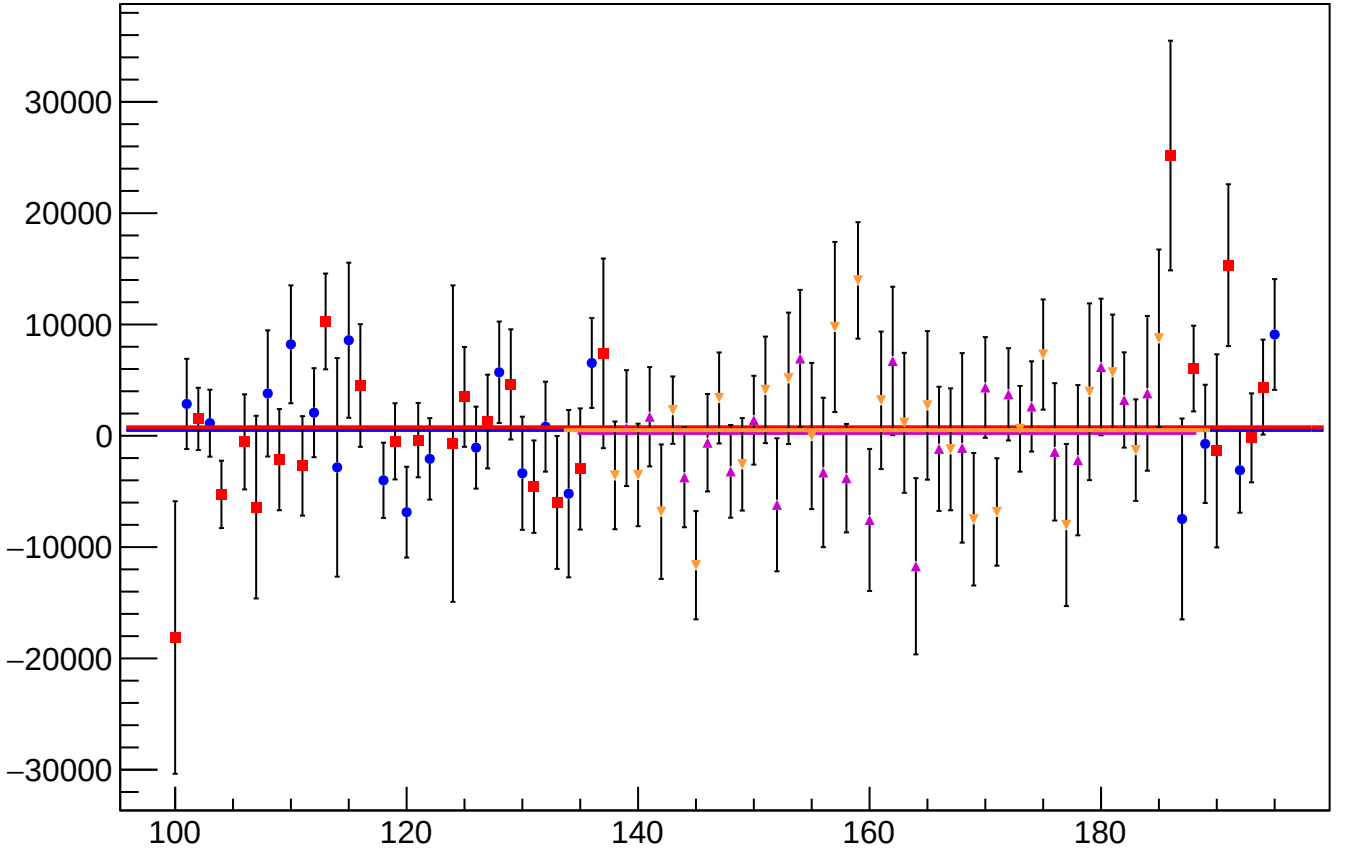
Right: 1771.646+/-0.280 χ^2/NDF: 1229907.3/44

In: 1855.097+/-0.249 χ^2/NDF:790911.0/42

Out: 1829.988+/-0.237 χ^2/NDF:890840.1/49

All: 1841.928+/-0.172 χ^2/NDF: 1687079.1/92

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 529.079+/-994.133 χ^2/NDF: 19.6/19

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 763.391+/-918.245 χ^2/NDF: 31.2/24

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

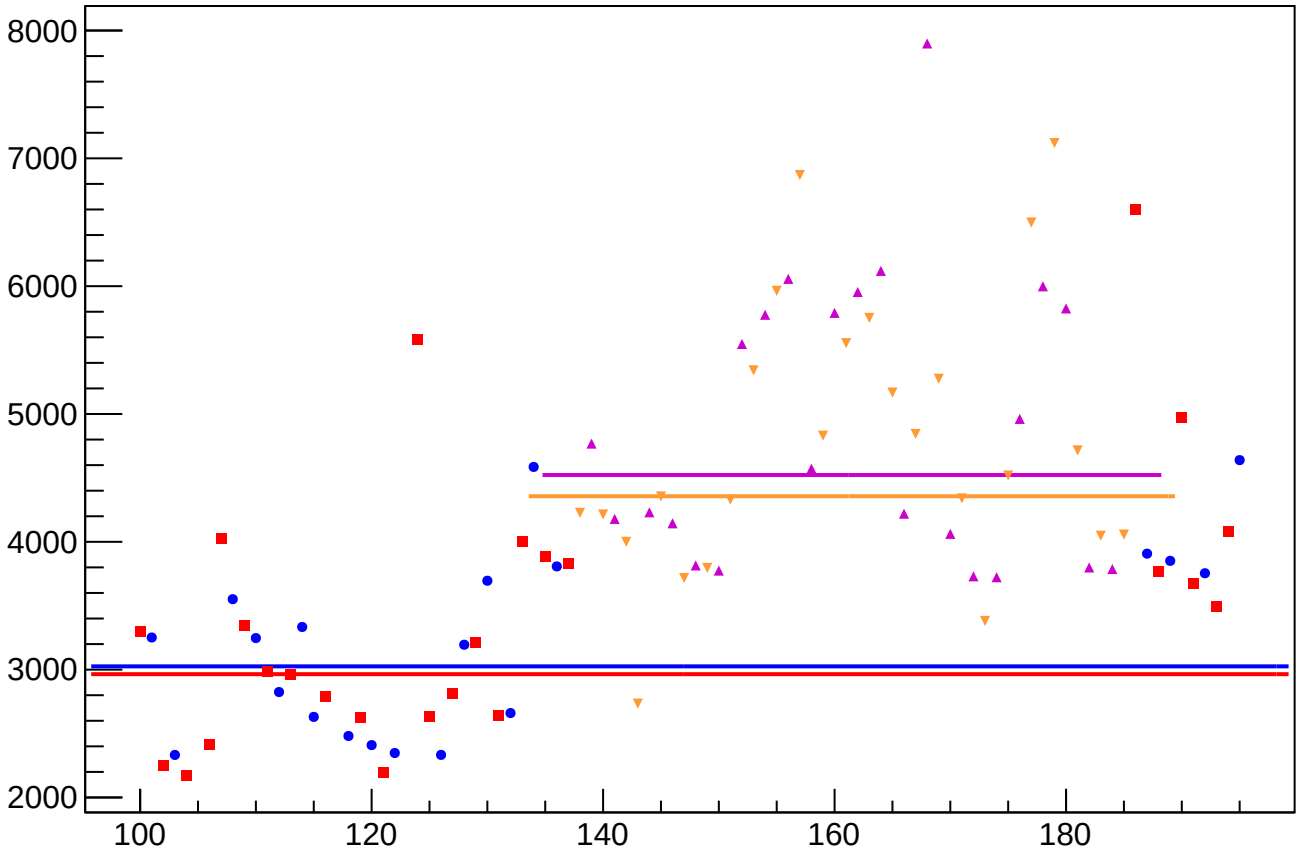
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 655.518+/-674.532 χ^2/NDF: 50.8/44

In: 406.315+/-731.869 χ^2/NDF:33.2/42

Out: 647.606+/-682.949 χ^2/NDF:61.3/49

All: 535.294+/-499.317 χ^2/NDF: 94.6/92



Right In: 3025.802+/-0.703 χ^2/NDF: 949087.1/19

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2964.642+/-0.649 χ^2/NDF: 1348845.5/24

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

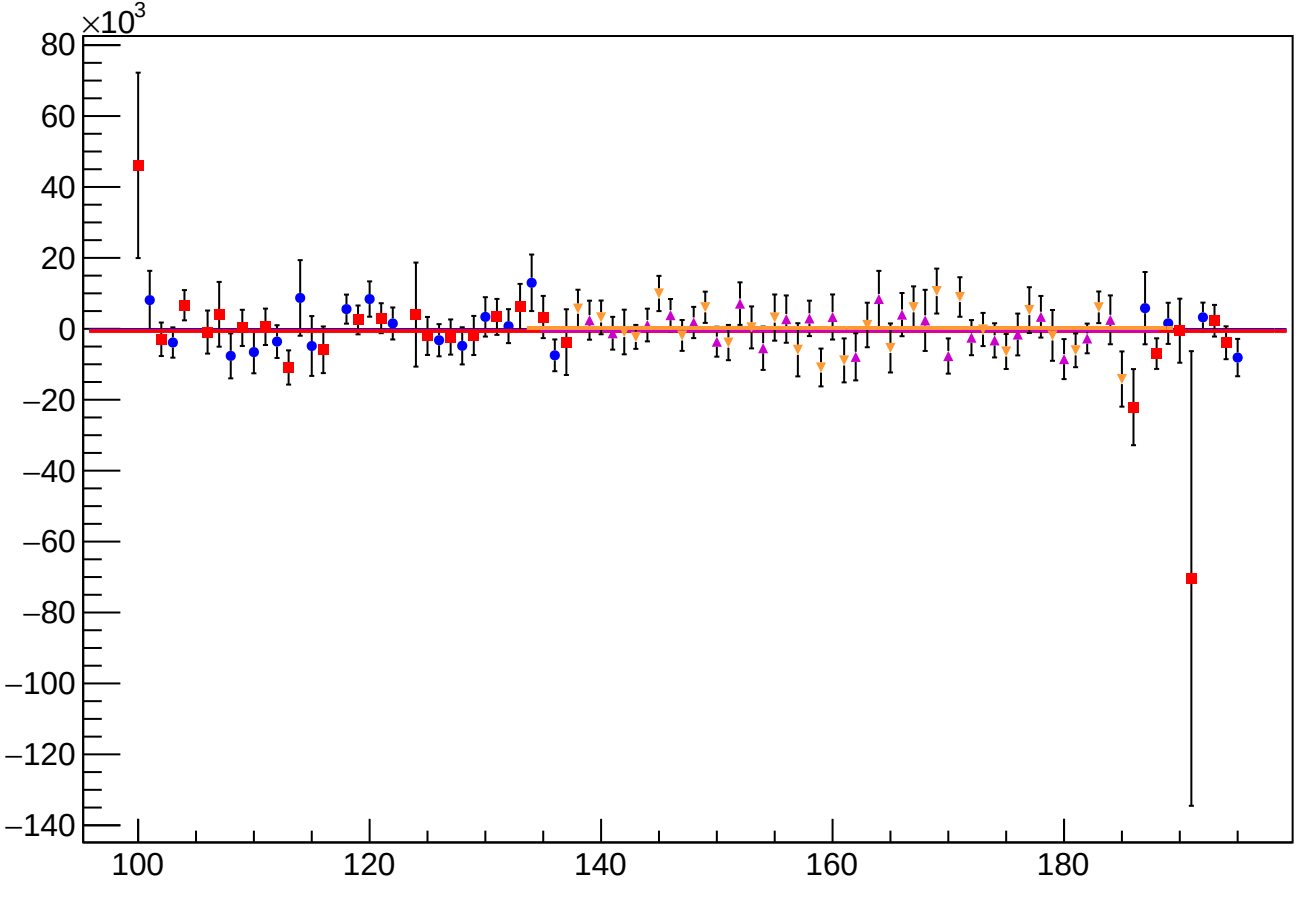
Right: 2992.799+/-0.477 χ^2/NDF: 2302017.4/44

In: 3711.465+/-0.518 χ^2/NDF:4460264.3/42

Out: 3586.632+/-0.483 χ^2/NDF:5314877.5/49

All: 3644.737+/-0.353 χ^2/NDF: 9806244.3/92

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -344.279+/-1194.240 χ^2/NDF: 21.3/19

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -598.506+/-1127.862 χ^2/NDF: 24.1/24

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

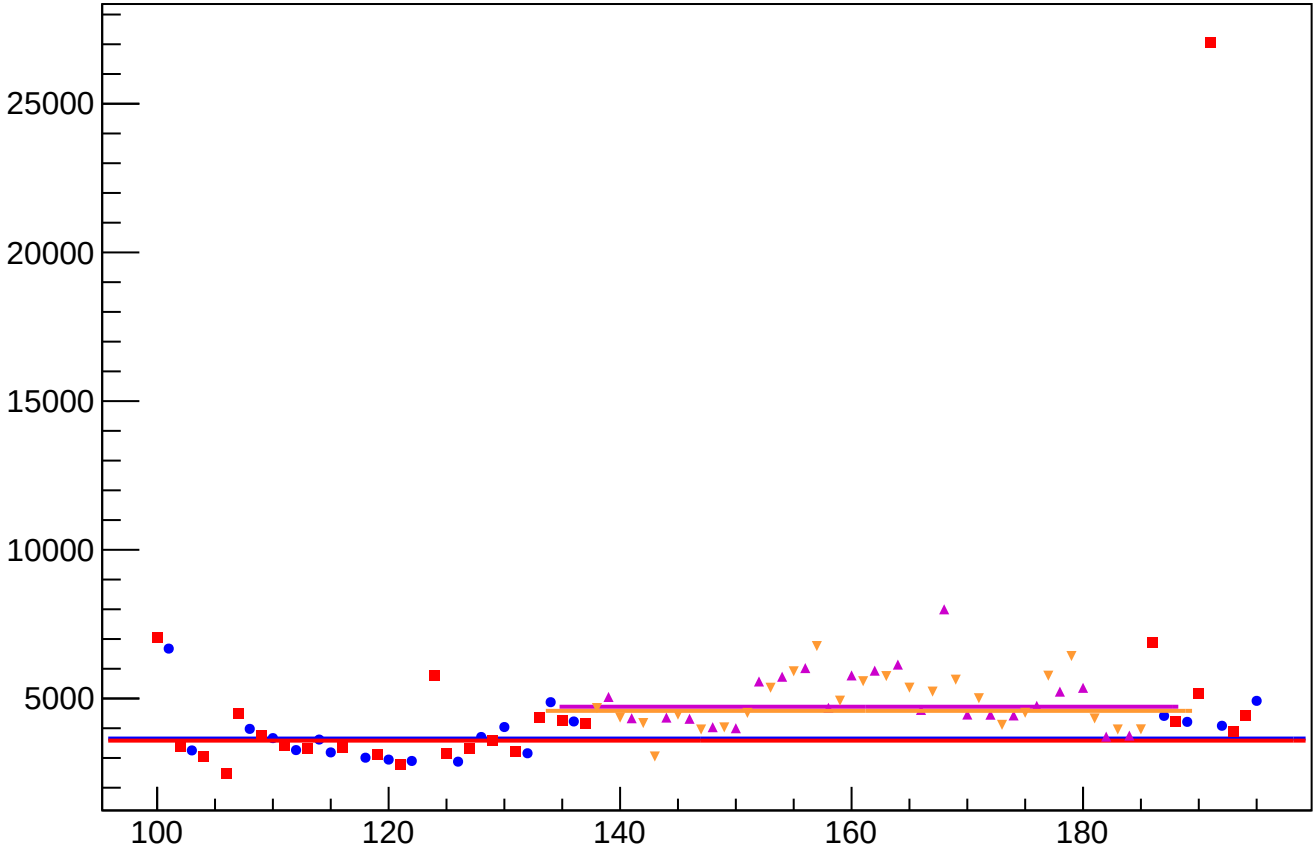
Right: -478.654+/-819.981 χ^2/NDF: 45.4/44

In: -372.766+/-817.458 χ^2/NDF:35.5/42

Out: -155.135+/-774.203 χ^2/NDF:56.6/49

All: -258.040+/-562.114 χ^2/NDF: 92.1/92

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3652.953+/-0.844 χ^2/NDF: 794569.6/19

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3583.618+/-0.789 χ^2/NDF: 1088450.9/24

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

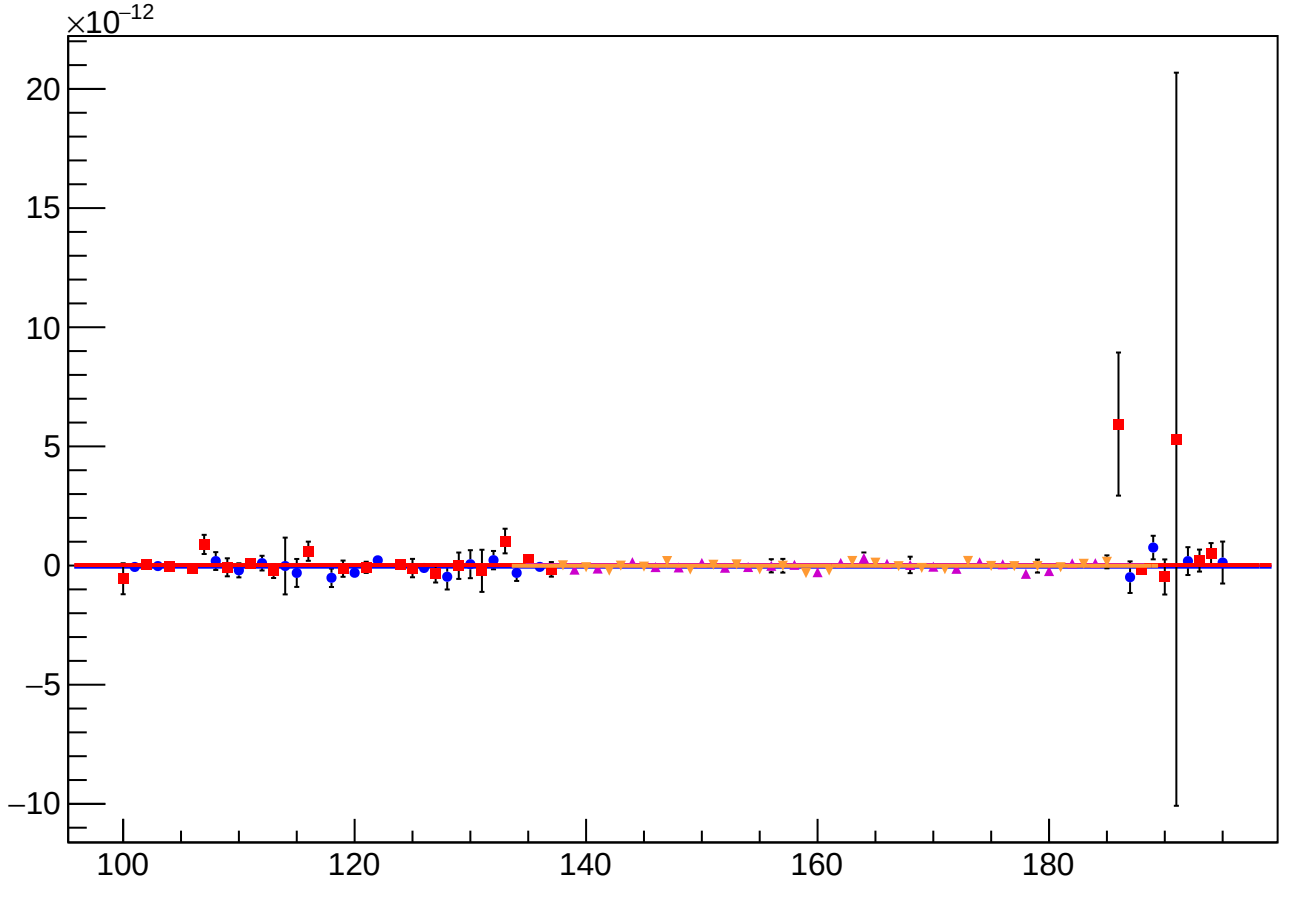
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3615.925+/-0.576 χ^2/NDF: 1886620.8/44

In: 4221.646+/-0.578 χ^2/NDF:2664546.5/42

Out: 4107.485+/-0.545 χ^2/NDF:3243029.0/49

All: 4161.168+/-0.396 χ^2/NDF: 5928239.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/24

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

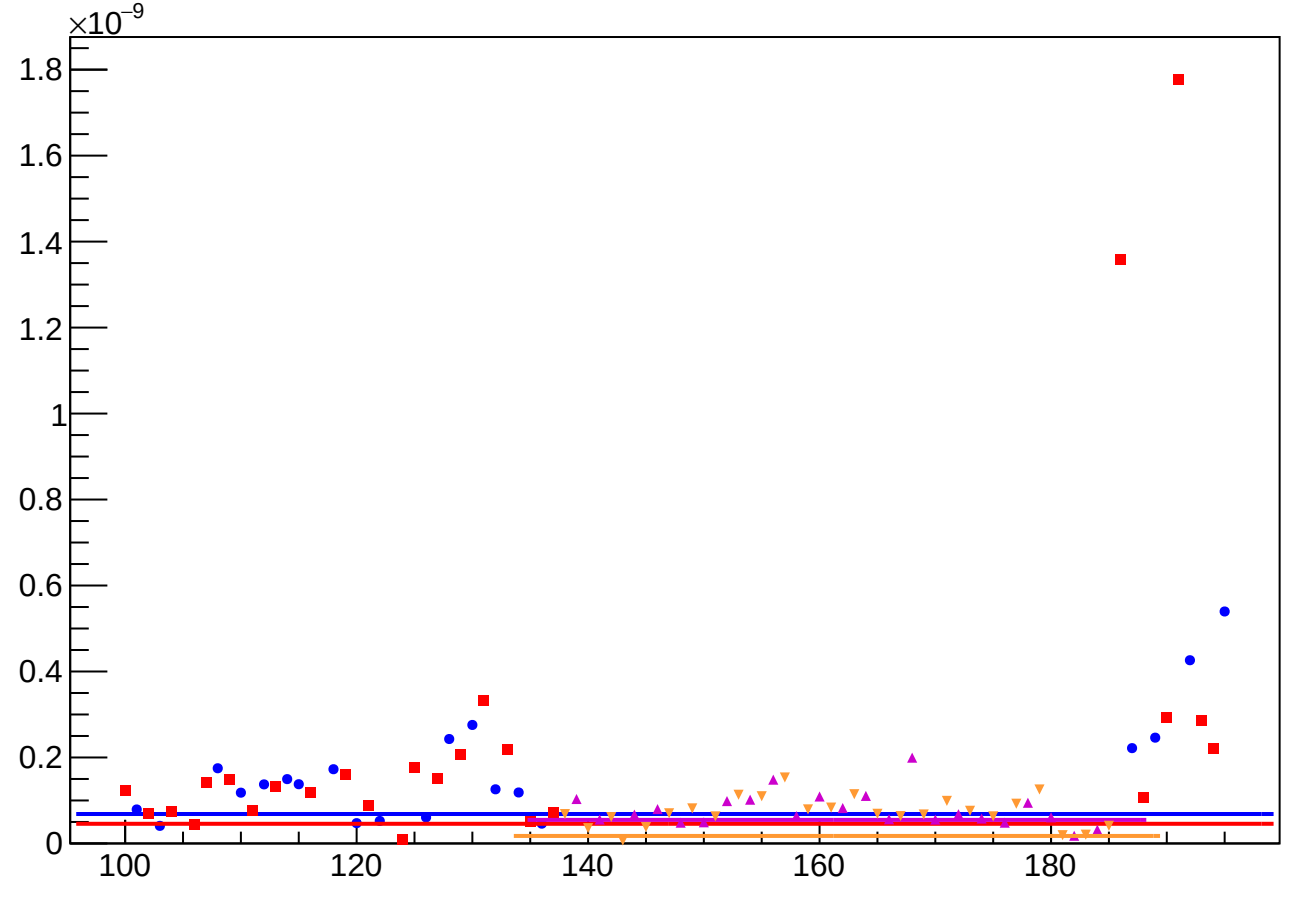
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 38.2/44

In: 0.000+/-0.000 χ^2/NDF:39.5/42

Out: -0.000+/-0.000 χ^2/NDF:48.3/49

All: -0.000+/-0.000 χ^2/NDF: 87.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 3148885.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4859293.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

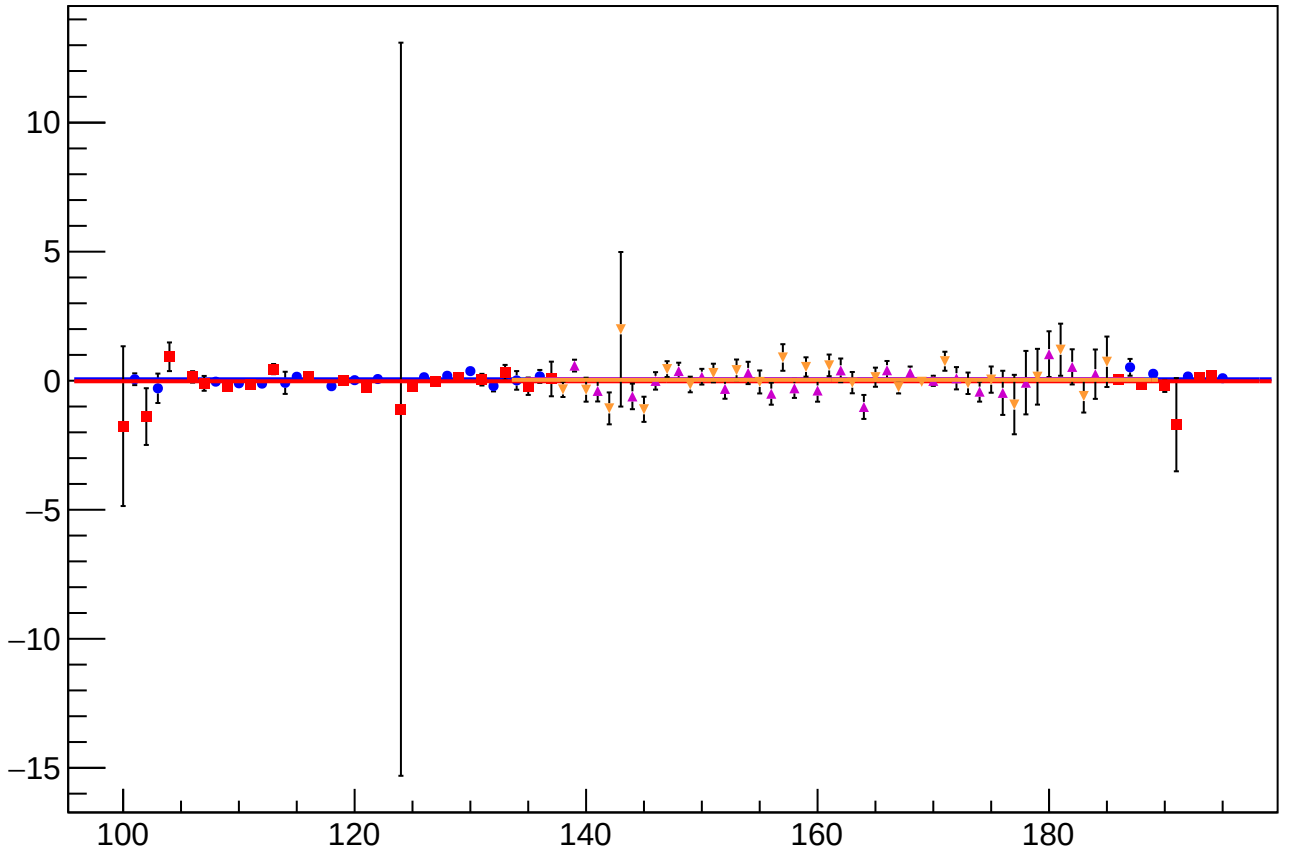
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 8336589.9/44

In: 0.000+/-0.000 χ^2/NDF:6097755.8/42

Out: 0.000+/-0.000 χ^2/NDF:14912371.5/49

All: 0.000+/-0.000 χ^2/NDF: 26131607.0/92



Right In: 0.055+/-0.042 χ^2/NDF: 16.7/19

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

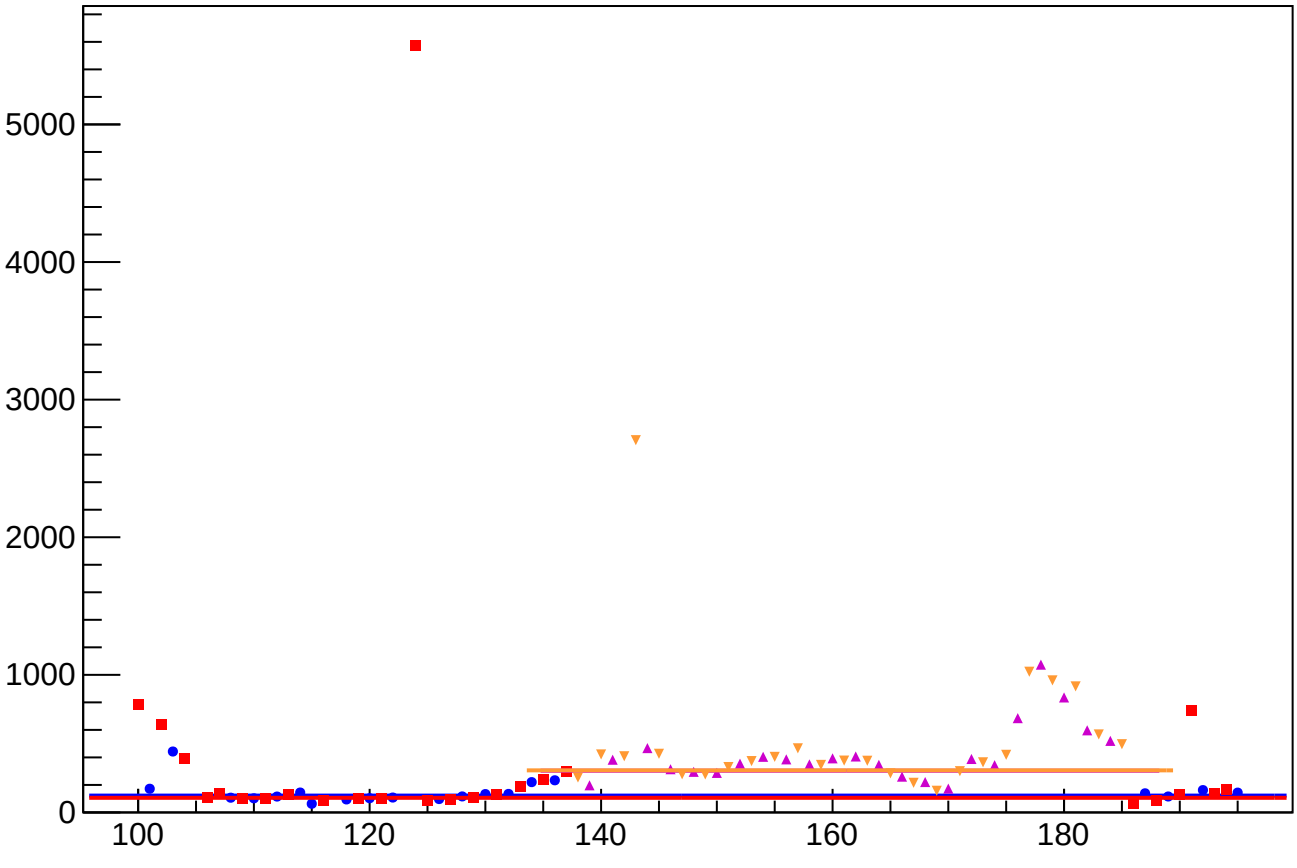
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.011+/-0.028 χ^2/NDF: 46.7/44

In: 0.056+/-0.037 χ^2/NDF:42.7/42

Out: -0.012+/-0.033 χ^2/NDF:58.9/49

All: 0.018+/-0.025 χ^2/NDF: 103.5/92



Right In: 122.520+/-0.030 χ^2/NDF: 1897016.0/19

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 106.465+/-0.026 χ^2/NDF: 3225175.9/24

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

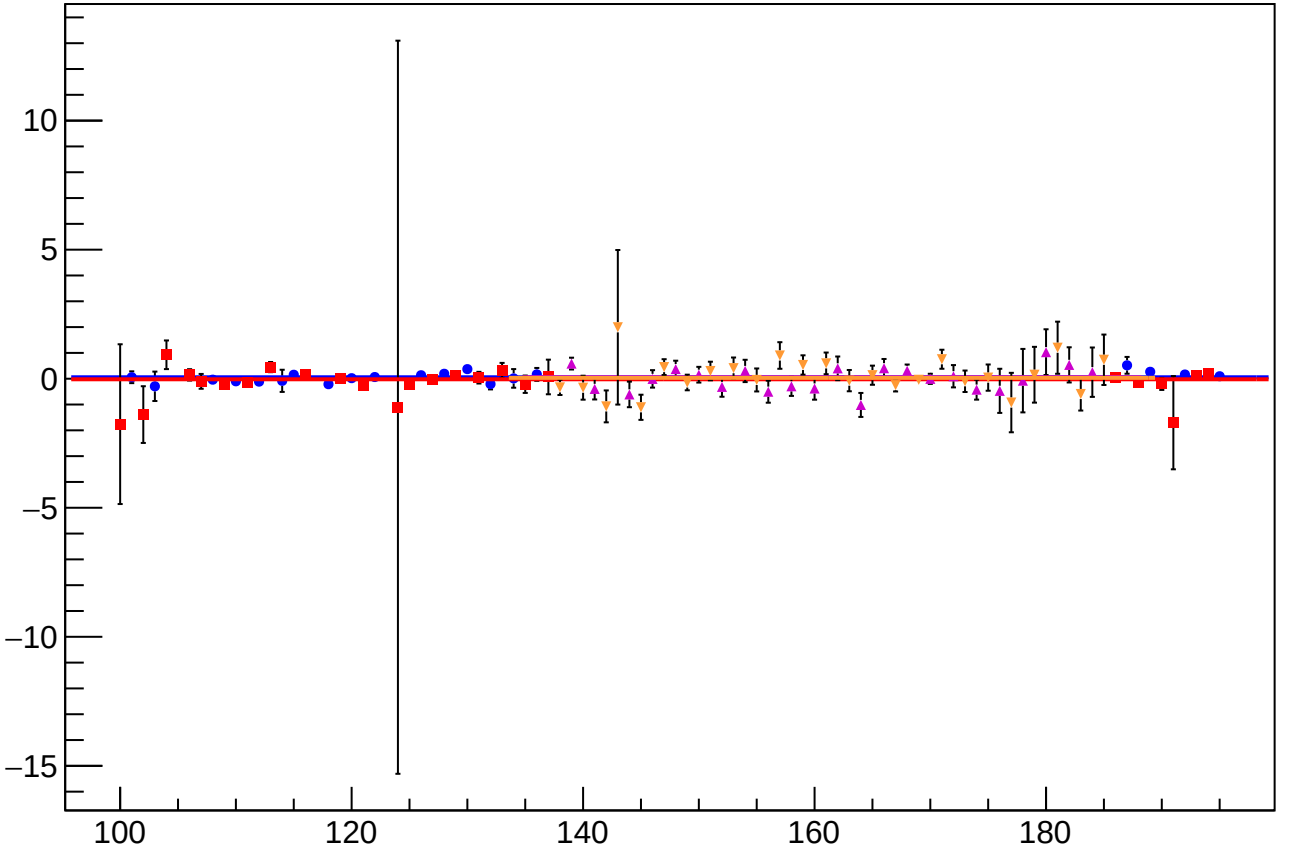
Right: 113.305+/-0.020 χ^2/NDF: 5286629.6/44

In: 164.351+/-0.026 χ^2/NDF:15114474.0/42

Out: 142.424+/-0.023 χ^2/NDF:20600966.9/49

All: 152.113+/-0.017 χ^2/NDF: 36103501.4/92

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.055+/-0.042 χ^2/NDF: 16.7/19

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

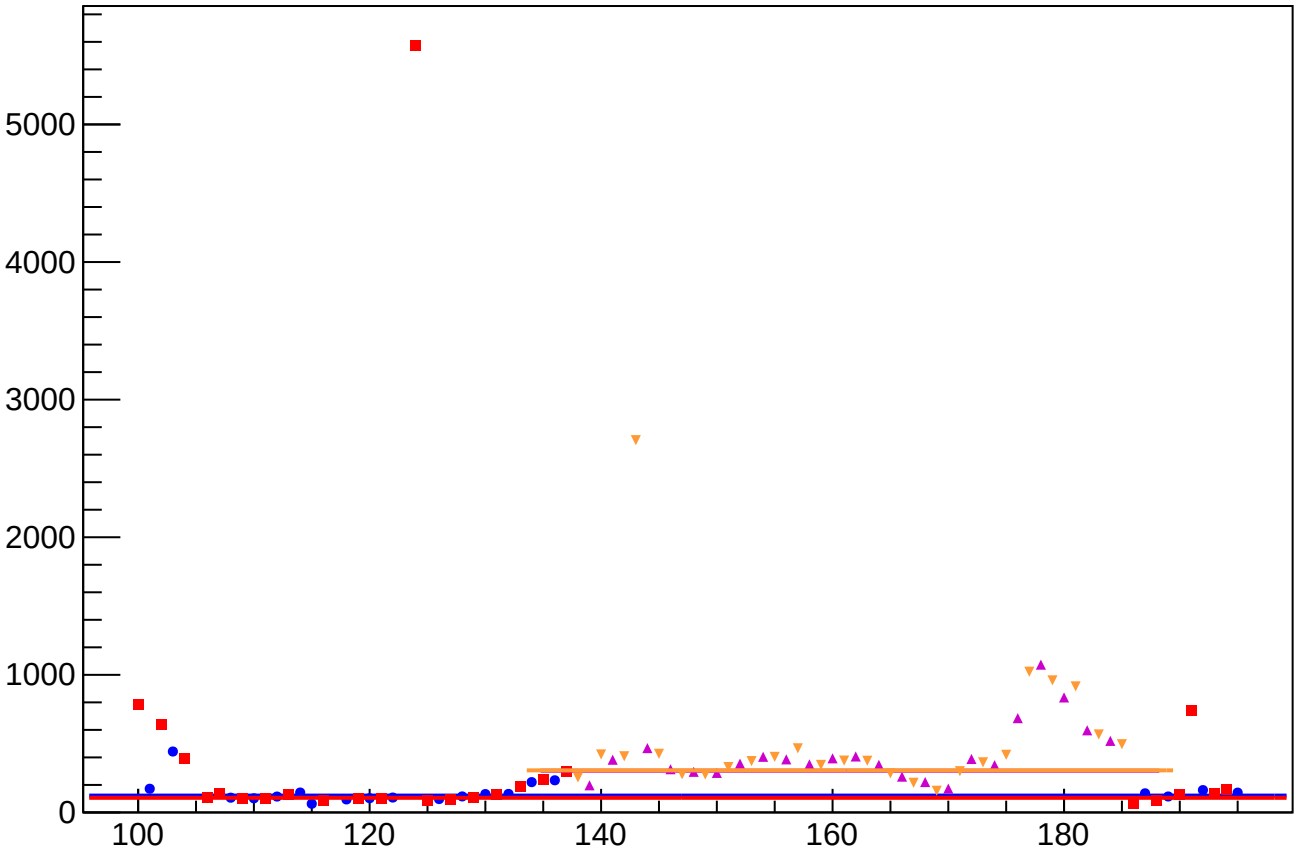
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.011+/-0.028 χ^2/NDF: 46.7/44

In: 0.056+/-0.037 χ^2/NDF:42.7/42

Out: -0.012+/-0.033 χ^2/NDF:58.9/49

All: 0.018+/-0.025 χ^2/NDF: 103.5/92



Right In: 122.520+/-0.030 χ^2/NDF: 1897016.0/19

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 106.465+/-0.026 χ^2/NDF: 3225175.9/24

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

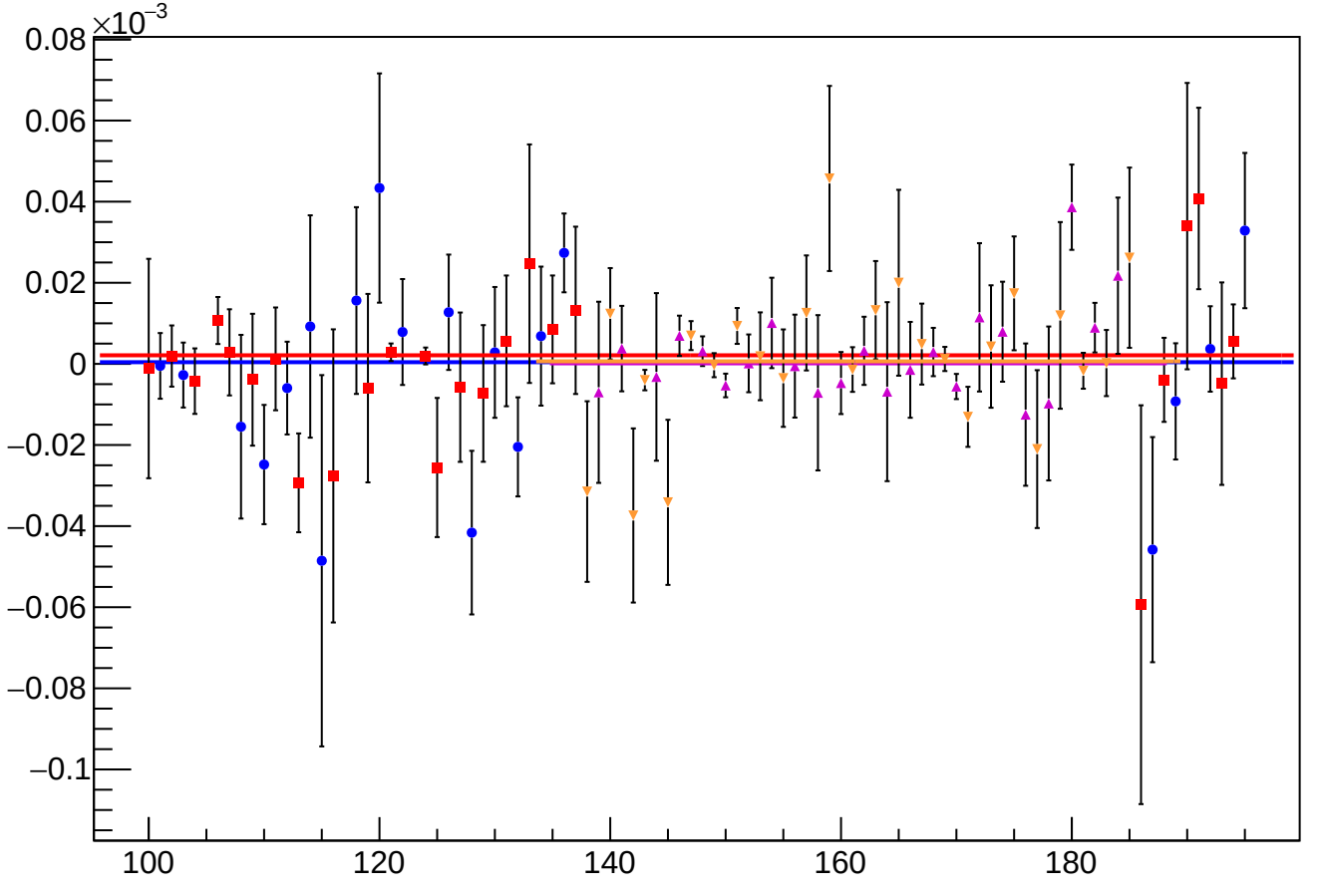
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 113.305+/-0.020 χ^2/NDF: 5286629.6/44

In: 164.351+/-0.026 χ^2/NDF:15114474.0/42

Out: 142.424+/-0.023 χ^2/NDF:20600966.9/49

All: 152.113+/-0.017 χ^2/NDF: 36103501.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 30.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/24

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

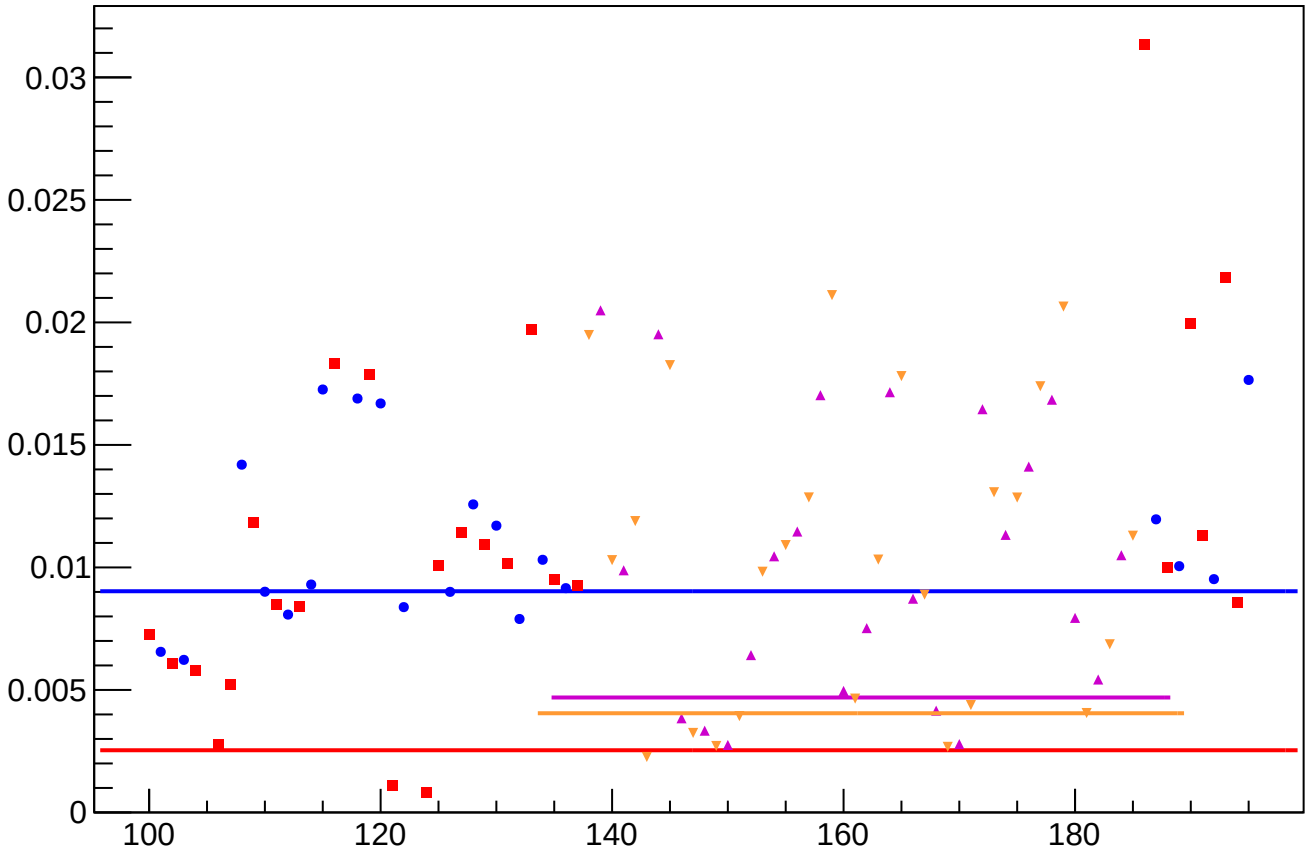
Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

Right: 0.000+/-0.000 χ^2/NDF: 51.3/44

In: 0.000+/-0.000 χ^2/NDF:60.1/42

Out: 0.000+/-0.000 χ^2/NDF:56.1/49

All: 0.000+/-0.000 χ^2/NDF: 116.7/92



Right In: 0.009+/-0.000 χ^2/NDF: 1587875.6/19

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 13849490.0/24

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

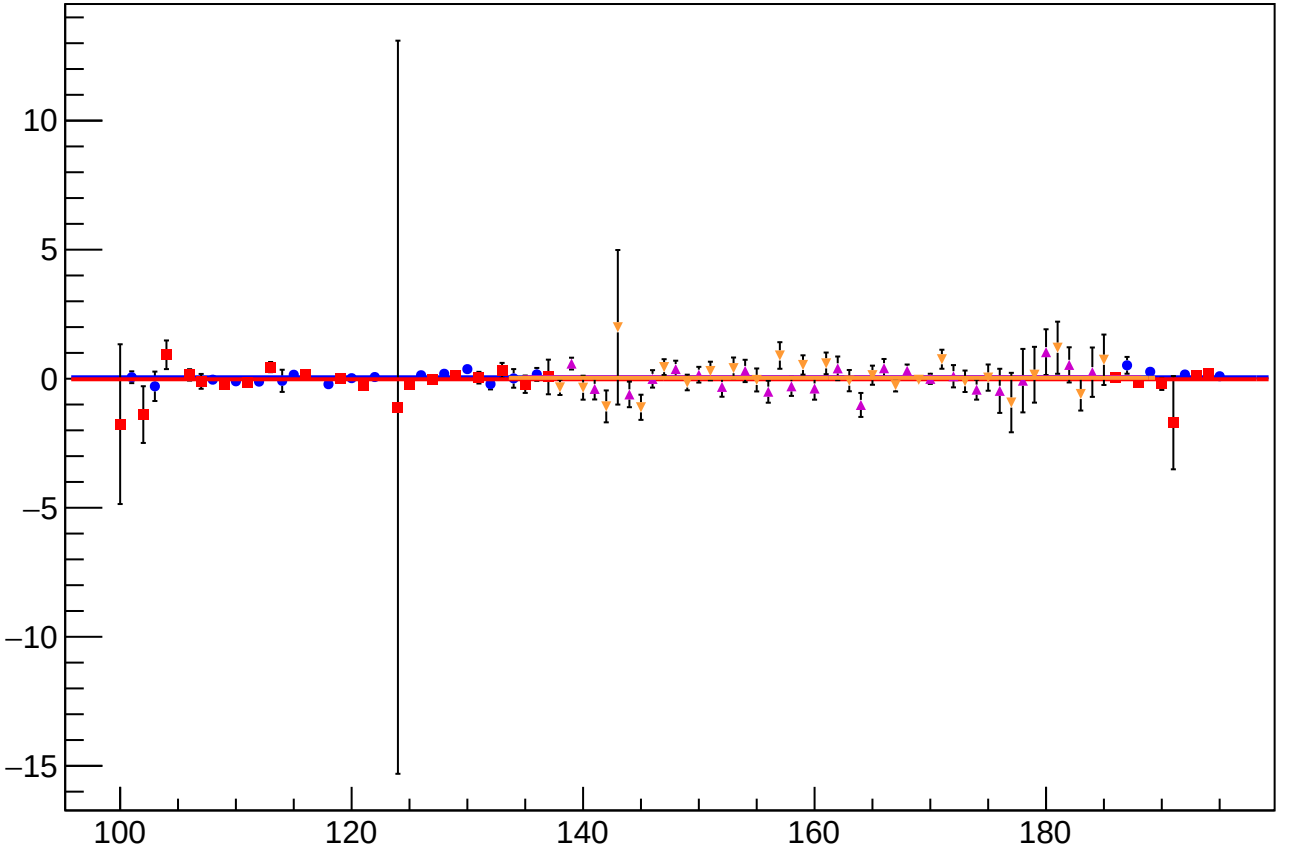
Right: 0.004+/-0.000 χ^2/NDF: 22981600.6/44

In: 0.005+/-0.000 χ^2/NDF:15741850.3/42

Out: 0.003+/-0.000 χ^2/NDF:28858702.0/49

All: 0.004+/-0.000 χ^2/NDF: 48184520.3/92

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.055+/-0.042 χ^2/NDF: 16.7/19

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

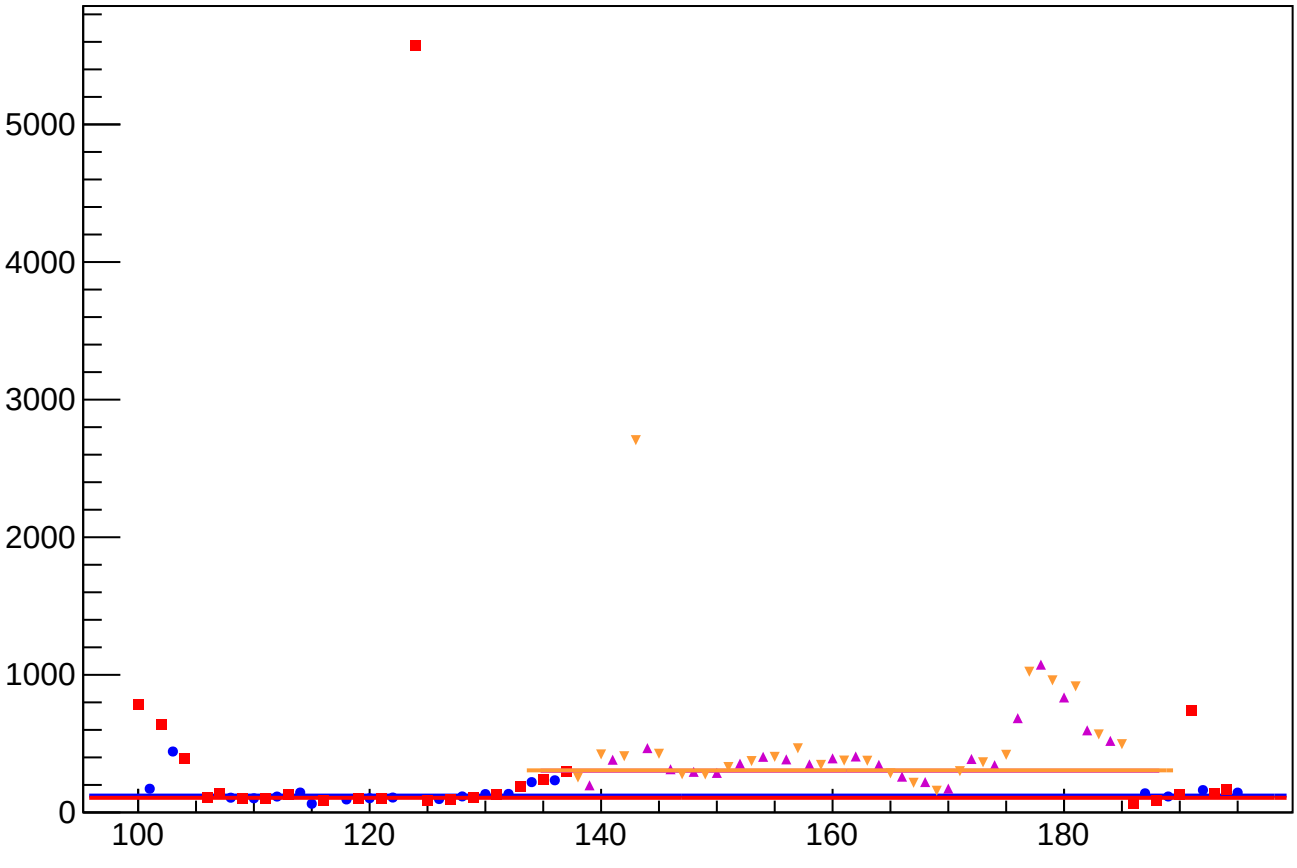
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.011+/-0.028 χ^2/NDF: 46.7/44

In: 0.056+/-0.037 χ^2/NDF:42.7/42

Out: -0.012+/-0.033 χ^2/NDF:58.9/49

All: 0.018+/-0.025 χ^2/NDF: 103.5/92



Right In: 122.521+/-0.030 χ^2/NDF: 1896996.3/19

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 106.466+/-0.026 χ^2/NDF: 3225032.0/24

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

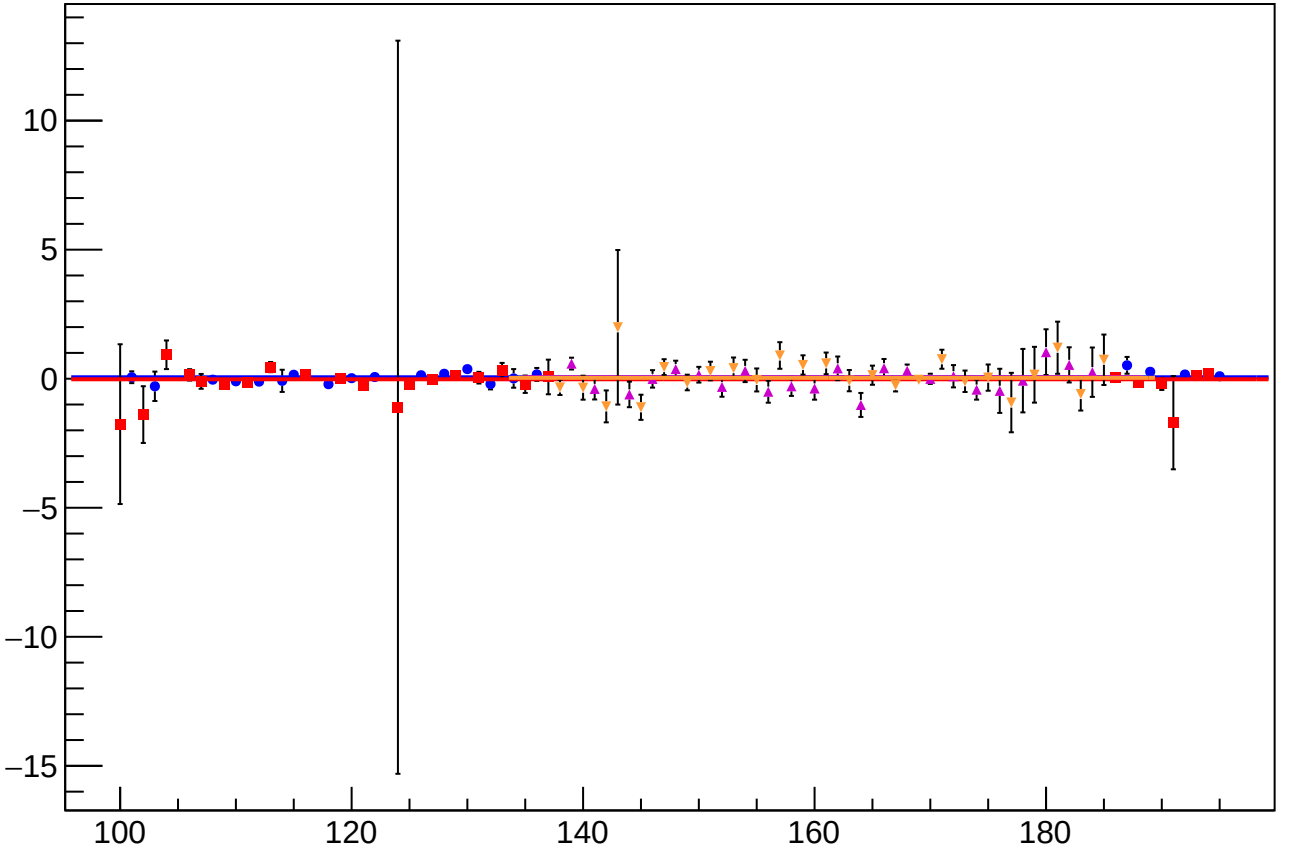
Right: 113.306+/-0.020 χ^2/NDF: 5286453.5/44

In: 164.352+/-0.026 χ^2/NDF:15114526.4/42

Out: 142.425+/-0.023 χ^2/NDF:20600840.7/49

All: 152.114+/-0.017 χ^2/NDF: 36103415.9/92

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.055+/-0.042 χ^2/NDF: 16.7/19

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

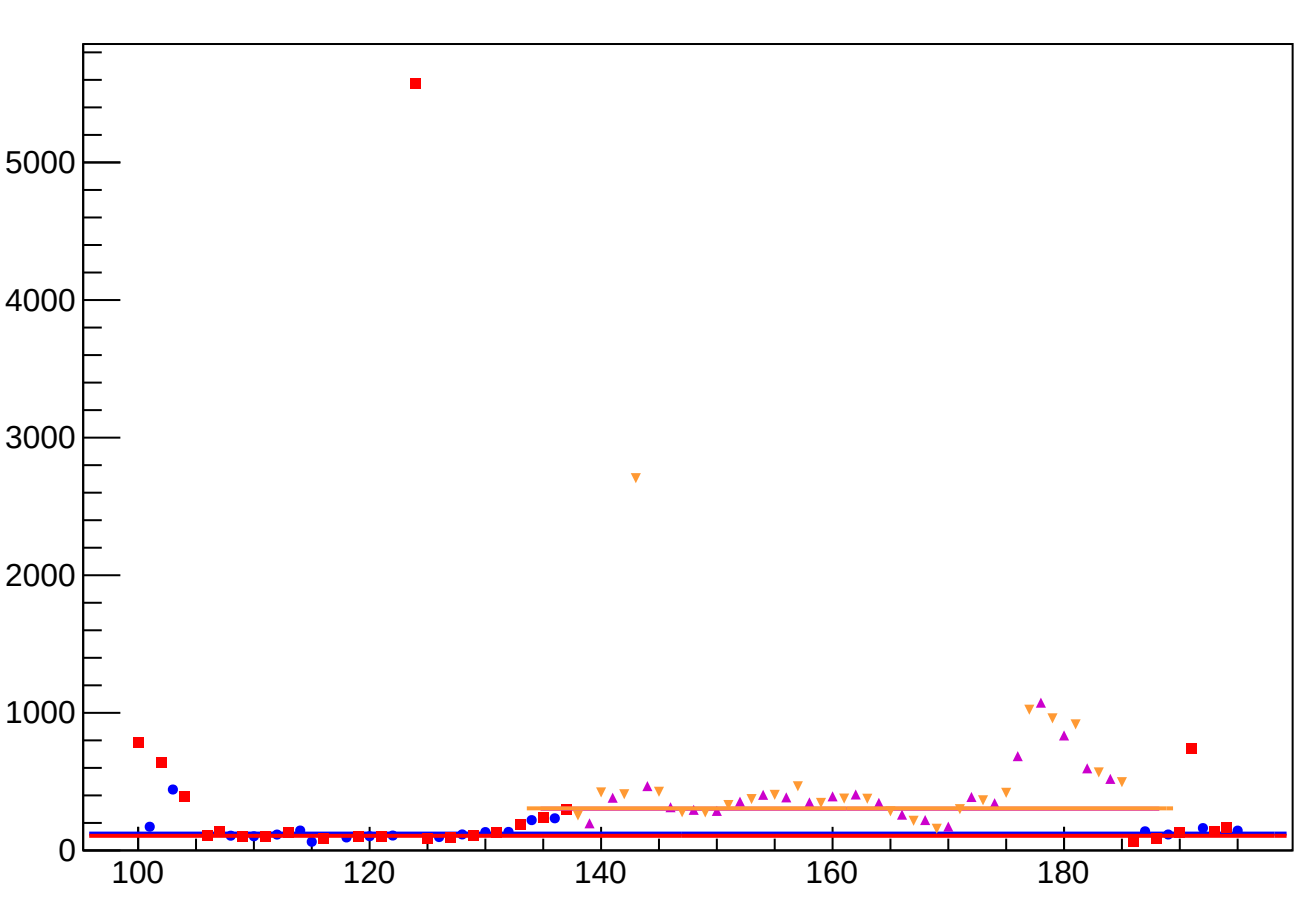
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.011+/-0.028 χ^2/NDF: 46.7/44

In: 0.056+/-0.037 χ^2/NDF:42.7/42

Out: -0.012+/-0.033 χ^2/NDF:58.9/49

All: 0.018+/-0.025 χ^2/NDF: 103.5/92



Right In: 122.521+/-0.030 χ^2/NDF: 1896996.3/19

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 106.466+/-0.026 χ^2/NDF: 3225032.0/24

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

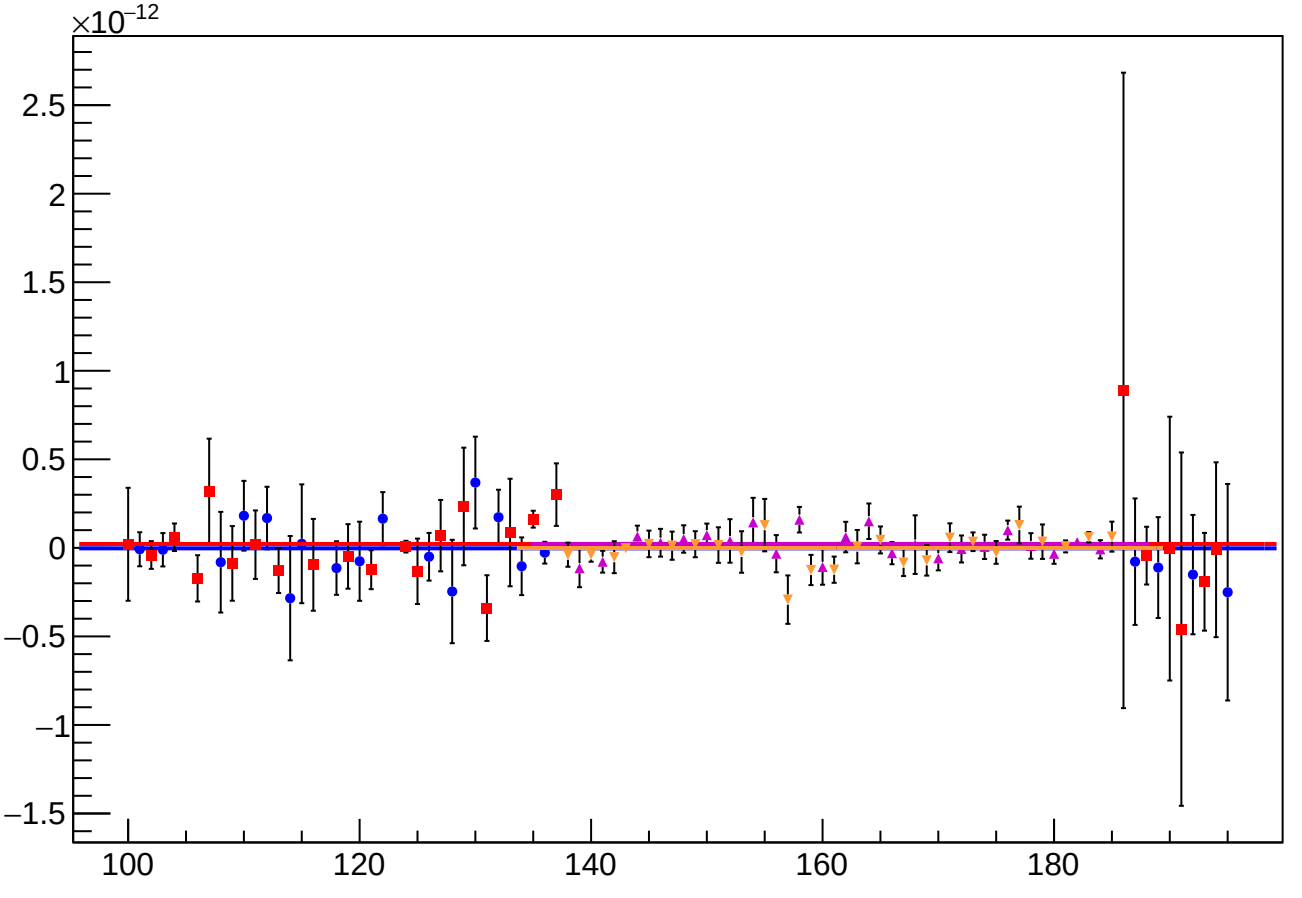
Right: 113.306+/-0.020 χ^2/NDF: 5286453.5/44

In: 164.352+/-0.026 χ^2/NDF:15114526.4/42

Out: 142.425+/-0.023 χ^2/NDF:20600840.7/49

All: 152.114+/-0.017 χ^2/NDF: 36103415.9/92

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/24

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

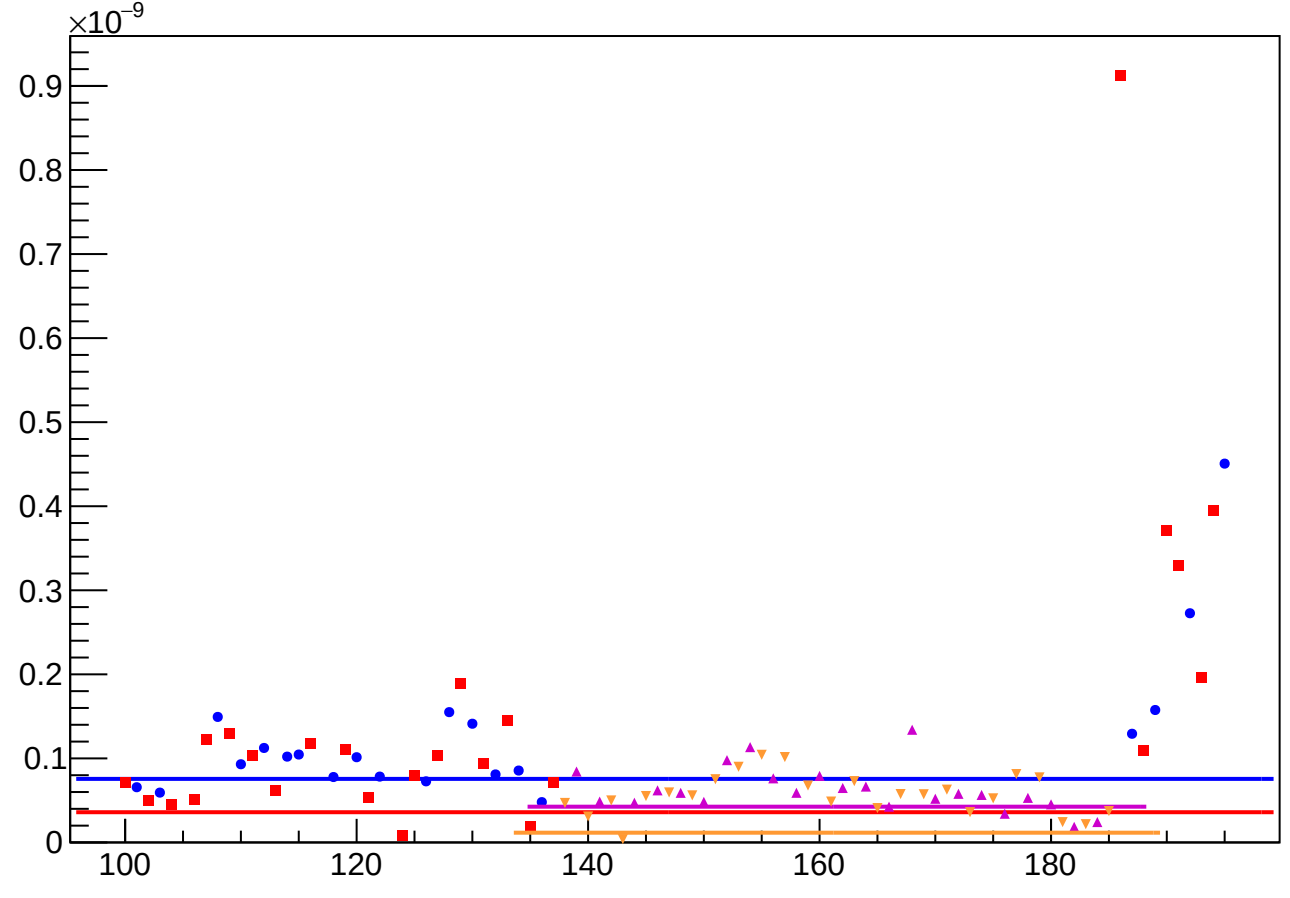
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 35.5/44

In: 0.000+/-0.000 χ^2/NDF:29.7/42

Out: 0.000+/-0.000 χ^2/NDF:48.5/49

All: 0.000+/-0.000 χ^2/NDF: 80.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 2712167.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7696187.3/24

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

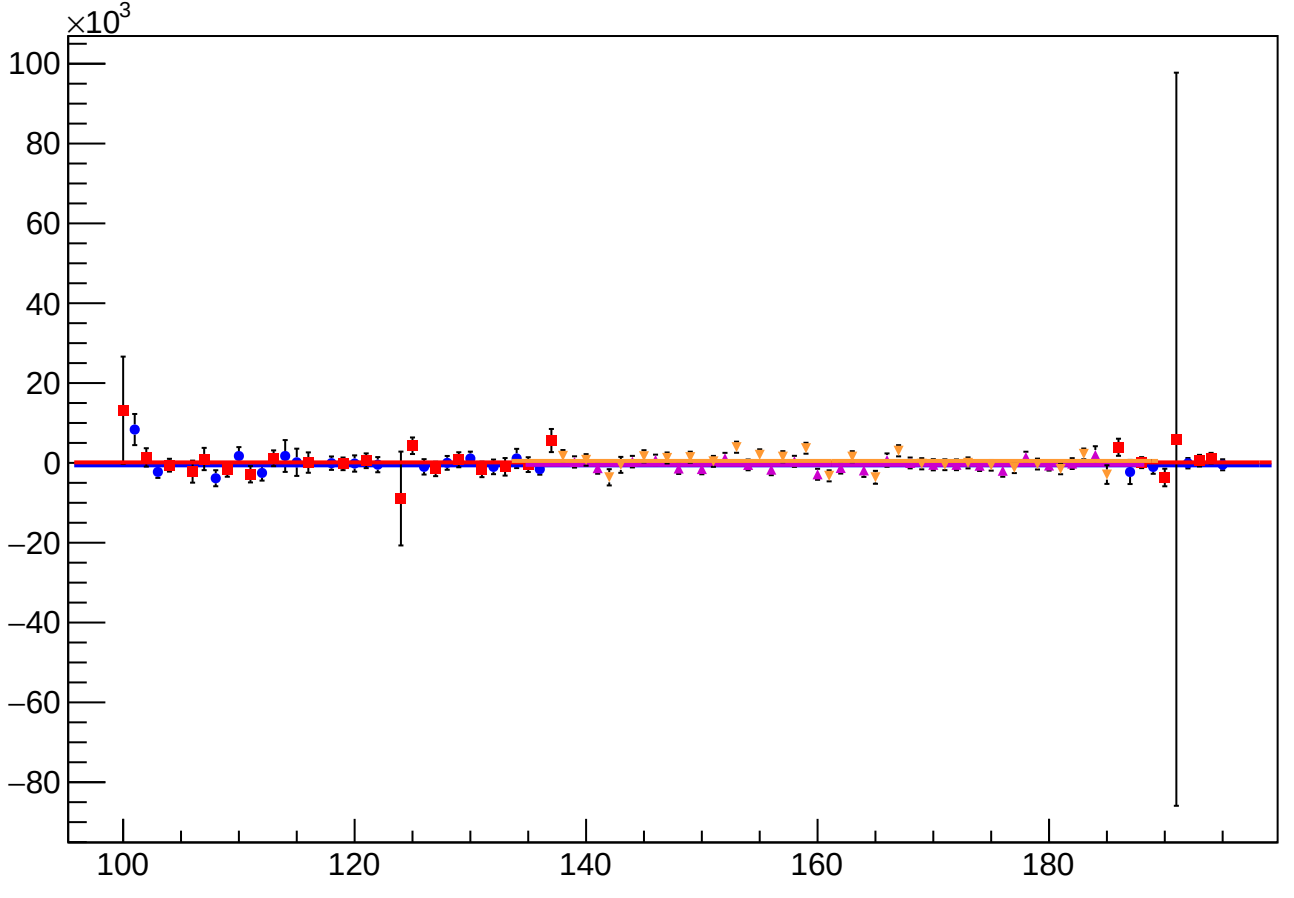
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12375634.5/44

In: 0.000+/-0.000 χ^2/NDF:9791236.9/42

Out: 0.000+/-0.000 χ^2/NDF:27980228.8/49

All: 0.000+/-0.000 χ^2/NDF: 50027013.5/92



Right In: -614.675+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 122.782+/-402.054 χ^2/NDF: 22.8/24

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

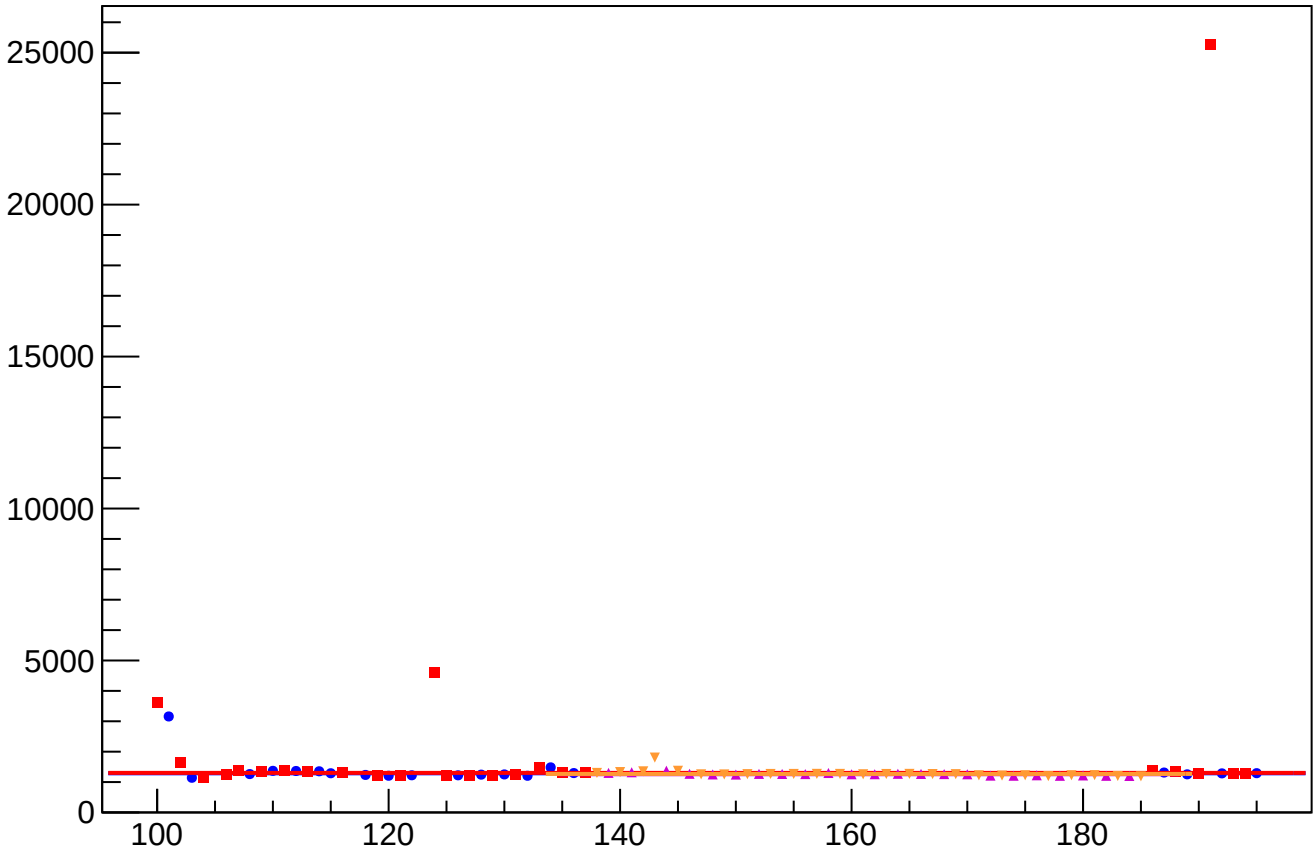
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -232.381+/-289.477 χ^2/NDF: 38.9/44

In: -529.211+/-240.182 χ^2/NDF:28.9/42

Out: 366.551+/-234.395 χ^2/NDF:70.3/49

All: -70.409+/-167.751 χ^2/NDF: 106.3/92



Right In: 1287.759+/-0.295 χ^2/NDF: 515618.9/19

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

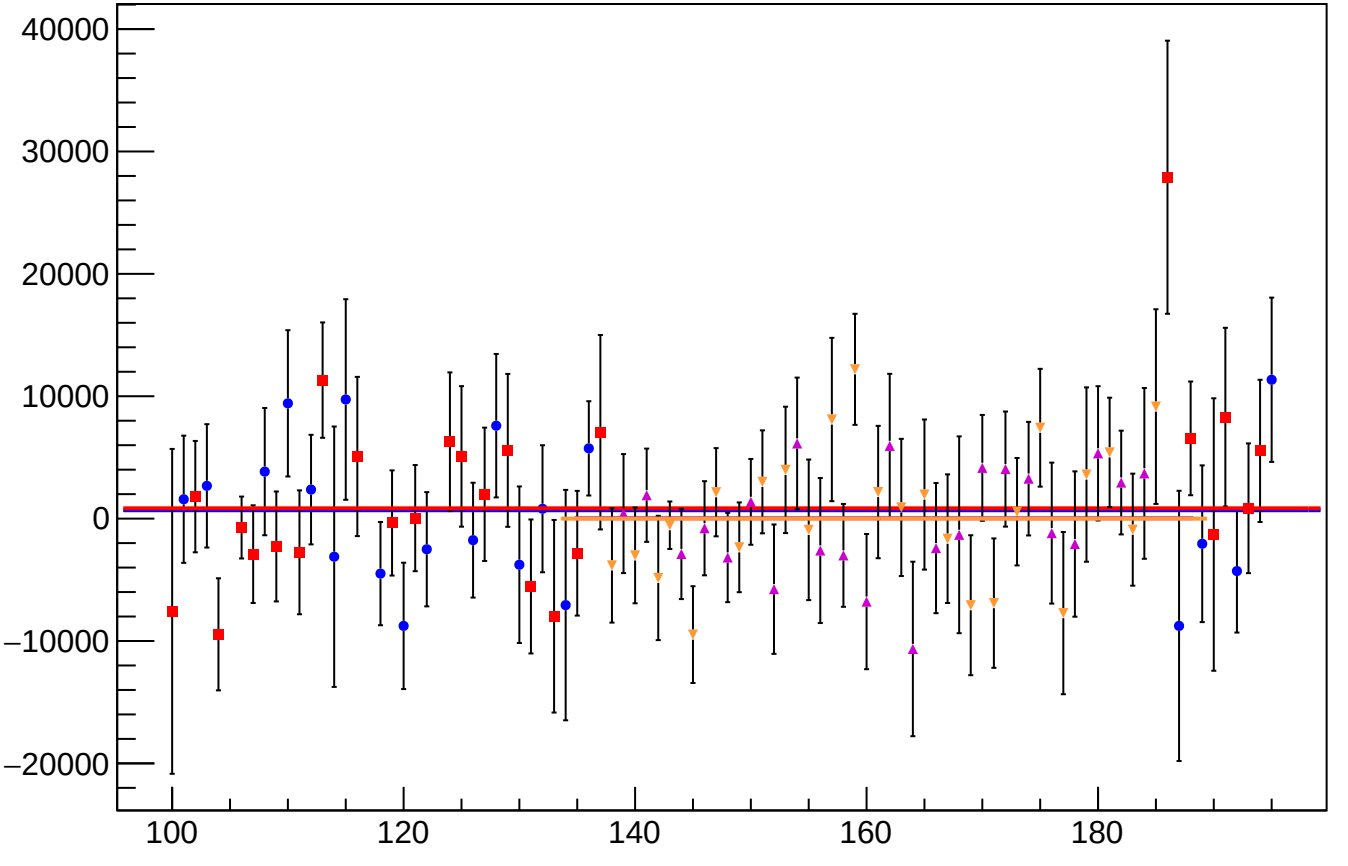
Right: 1295.194+/-0.205 χ^2/NDF: 982333.7/44

In: 1267.567+/-0.170 χ^2/NDF:559446.7/42

Out: 1278.929+/-0.166 χ^2/NDF:663128.1/49

All: 1273.390+/-0.119 χ^2/NDF: 1224868.4/92

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 686.766+/-1227.454 χ^2/NDF: 18.5/19

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

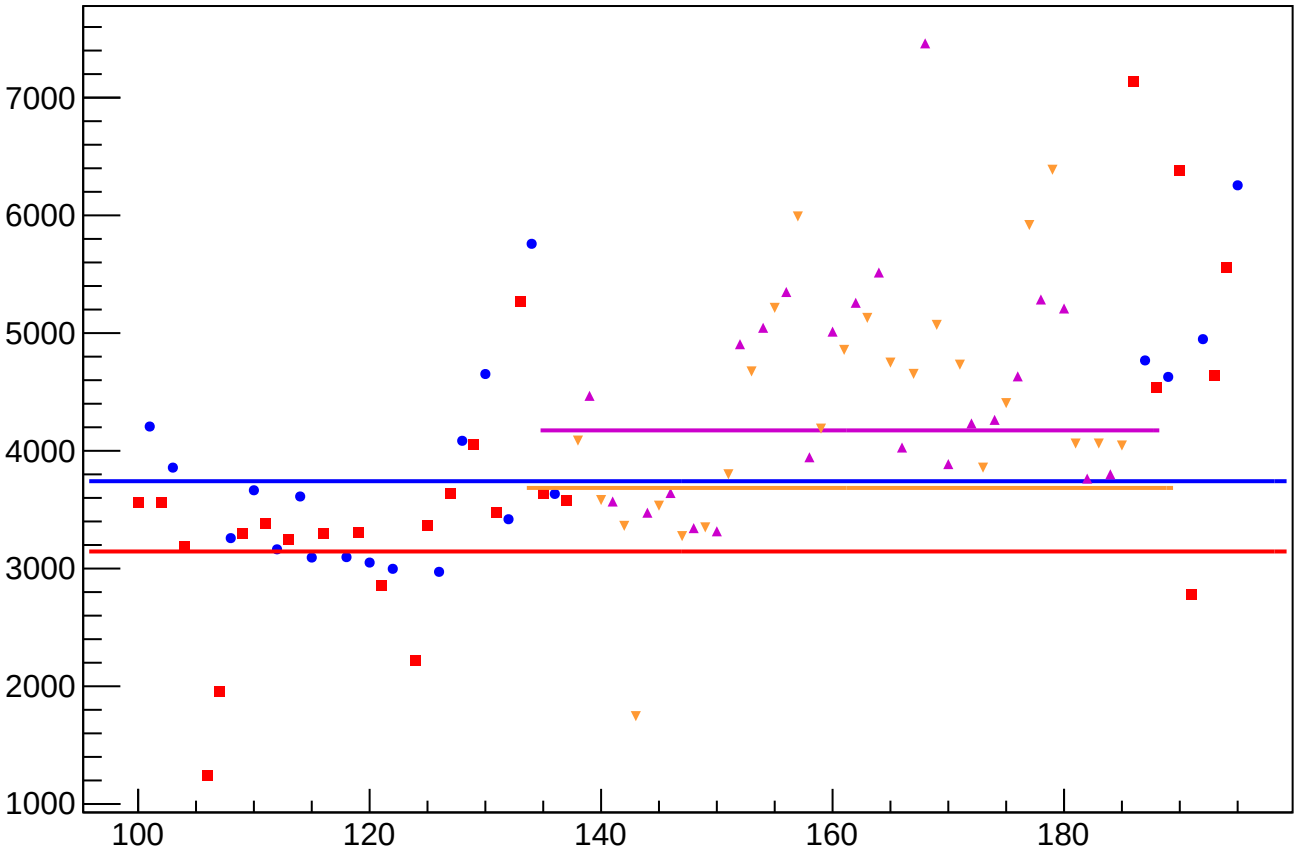
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 777.907+/-785.623 χ^2/NDF: 46.7/44

In: 291.504+/-773.107 χ^2/NDF:32.7/42

Out: 360.605+/-669.804 χ^2/NDF:57.6/49

All: 330.976+/-506.235 χ^2/NDF: 90.3/92



Right In: 3741.990+/-0.868 χ^2/NDF: 867873.6/19

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

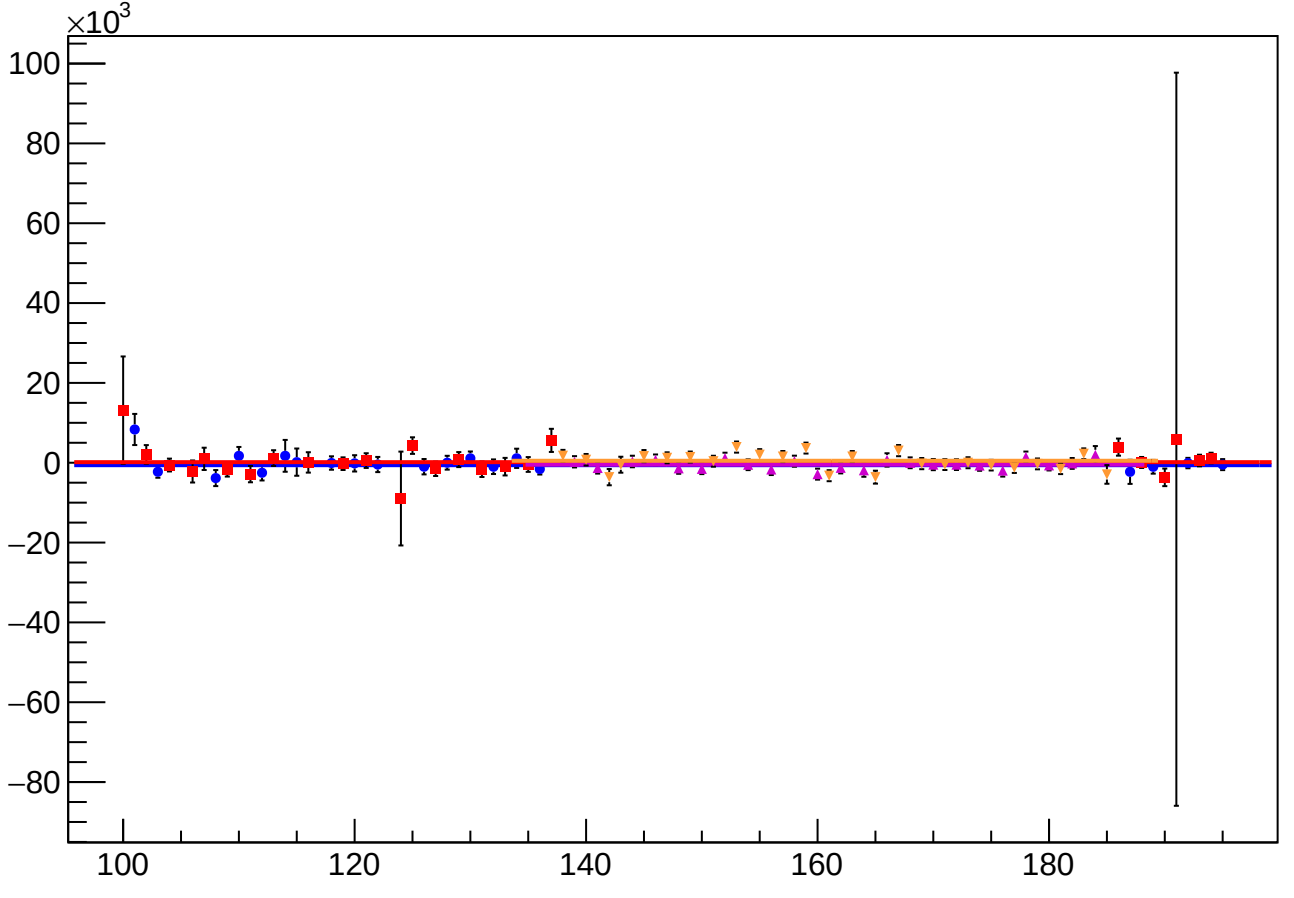
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3389.543+/-0.556 χ^2/NDF: 3904337.9/44

In: 4002.351+/-0.547 χ^2/NDF:2291998.8/42

Out: 3453.134+/-0.474 χ^2/NDF:6769004.2/49

All: 3688.623+/-0.358 χ^2/NDF: 9637569.5/92



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

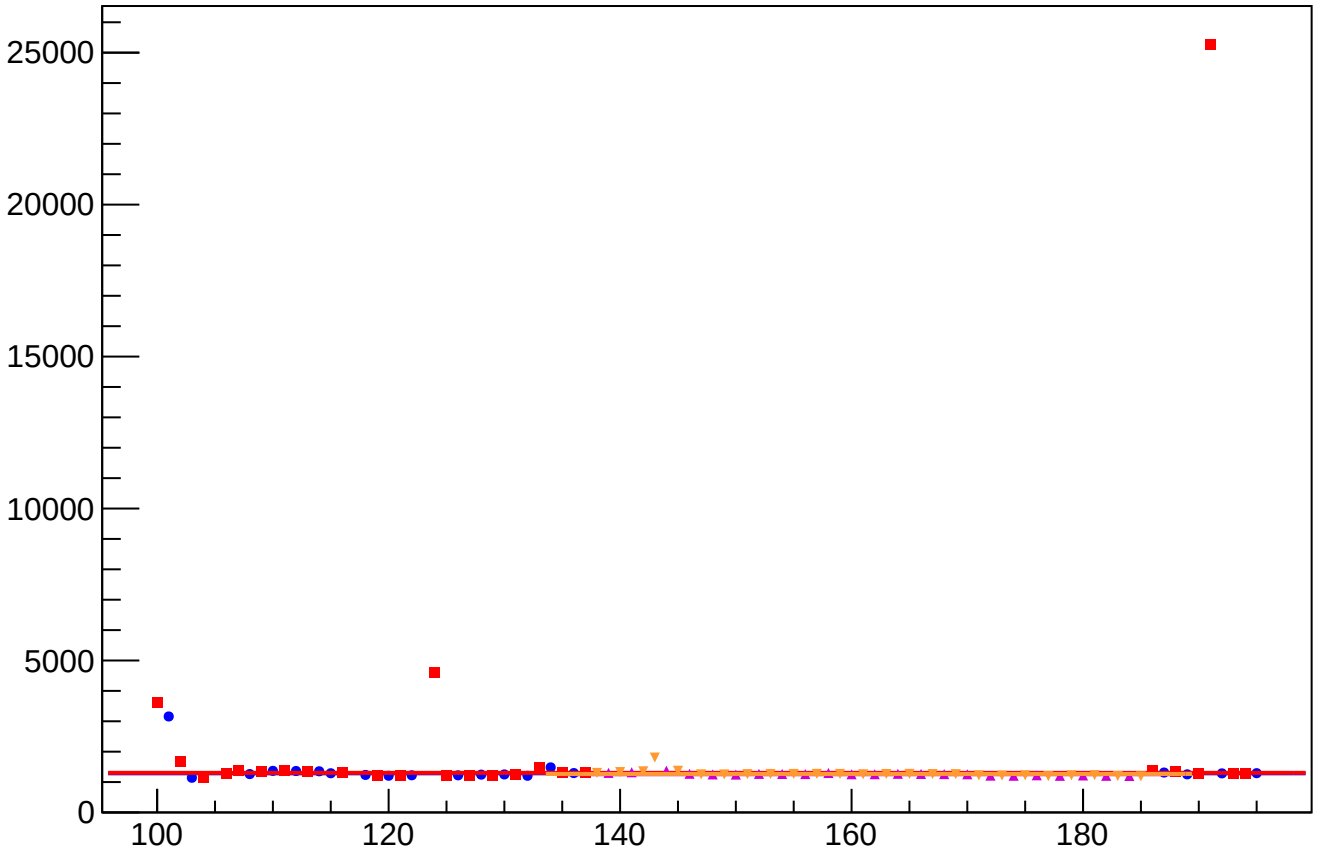
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -222.383+/-289.545 χ^2/NDF: 39.4/44

In: -529.234+/-240.182 χ^2/NDF:28.9/42

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -66.988+/-167.764 χ^2/NDF: 106.8/92



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

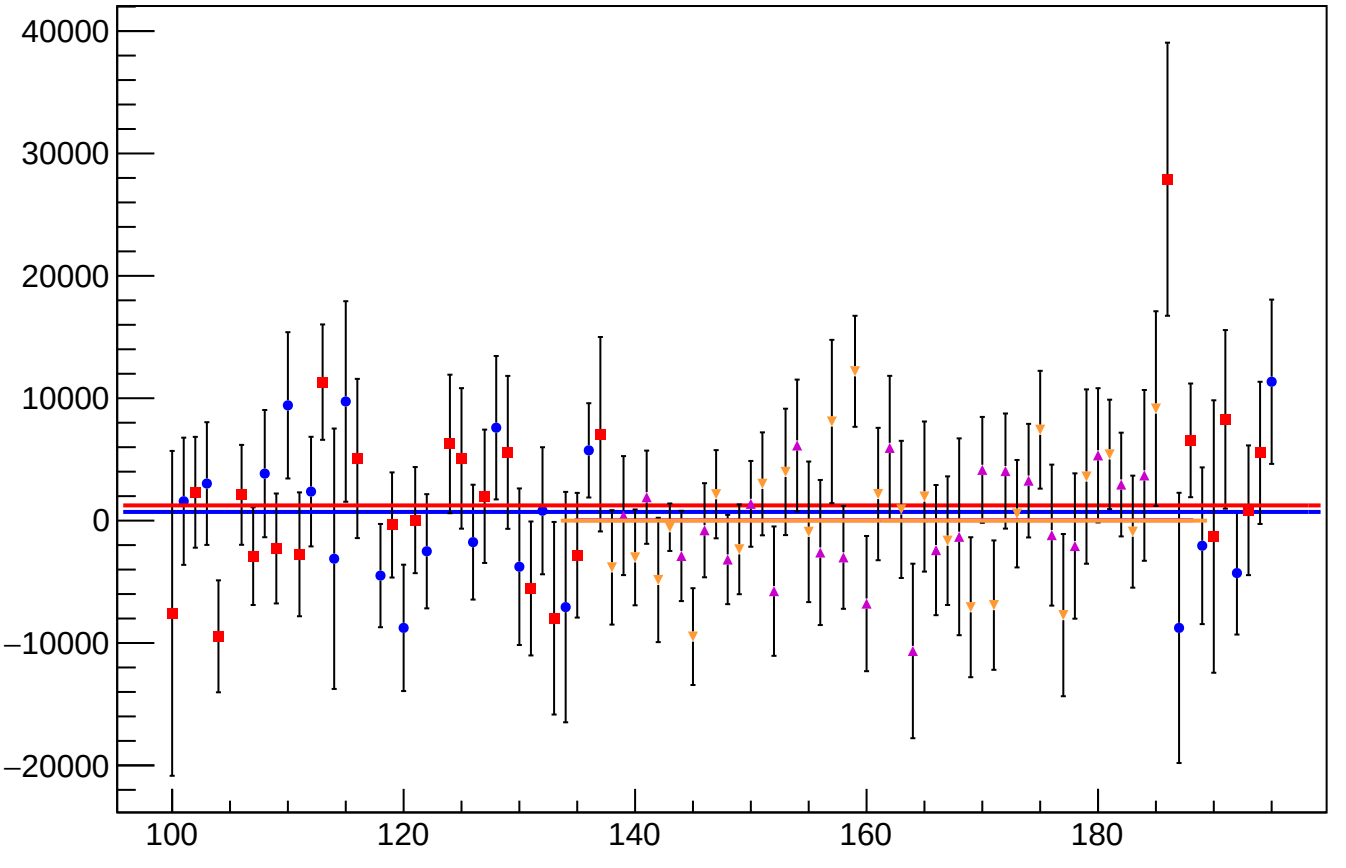
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.906+/-0.205 χ^2/NDF: 989008.6/44

In: 1267.567+/-0.170 χ^2/NDF:559448.0/42

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

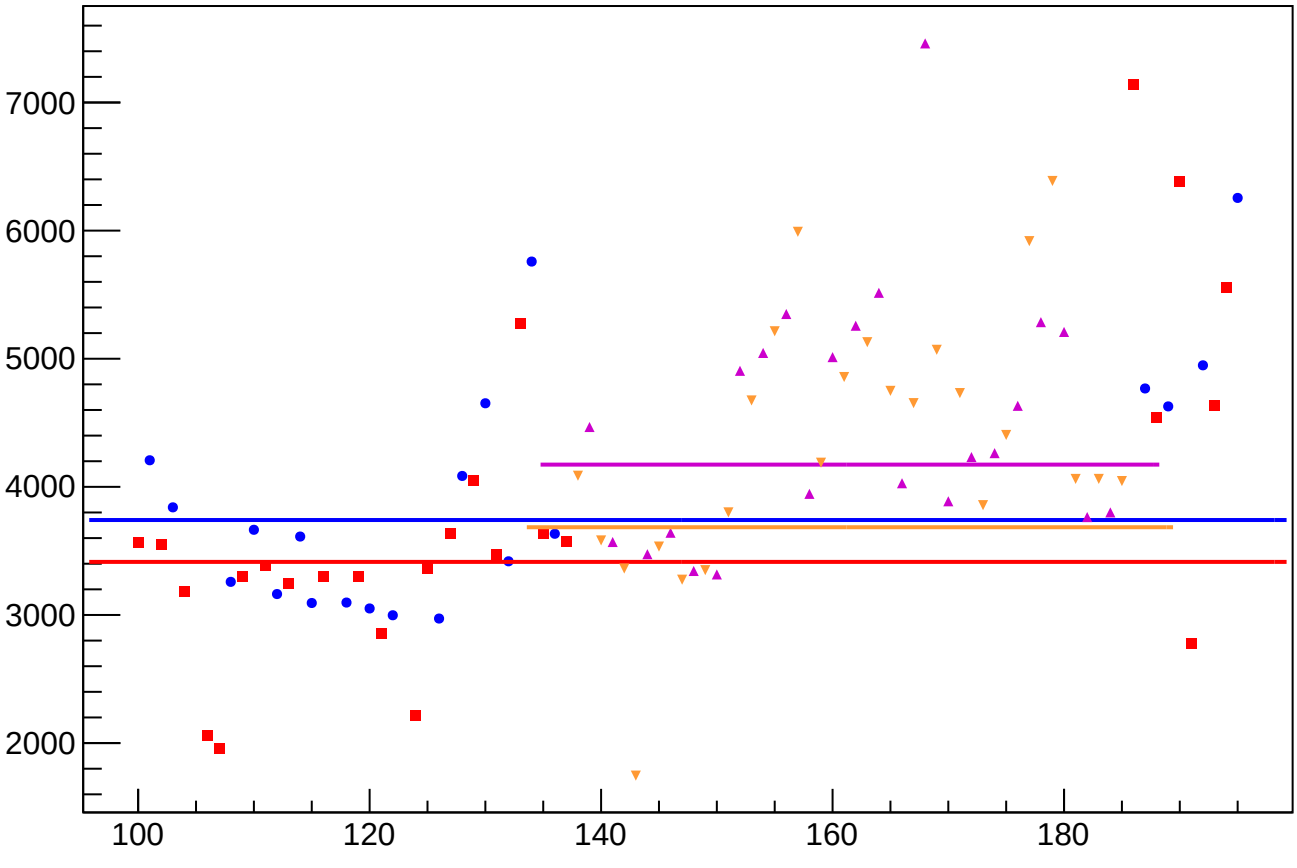
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 1010.343+/-809.802 χ^2/NDF: 46.5/44

In: 300.403+/-773.016 χ^2/NDF:32.7/42

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 412.917+/-512.533 χ^2/NDF: 90.5/92



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

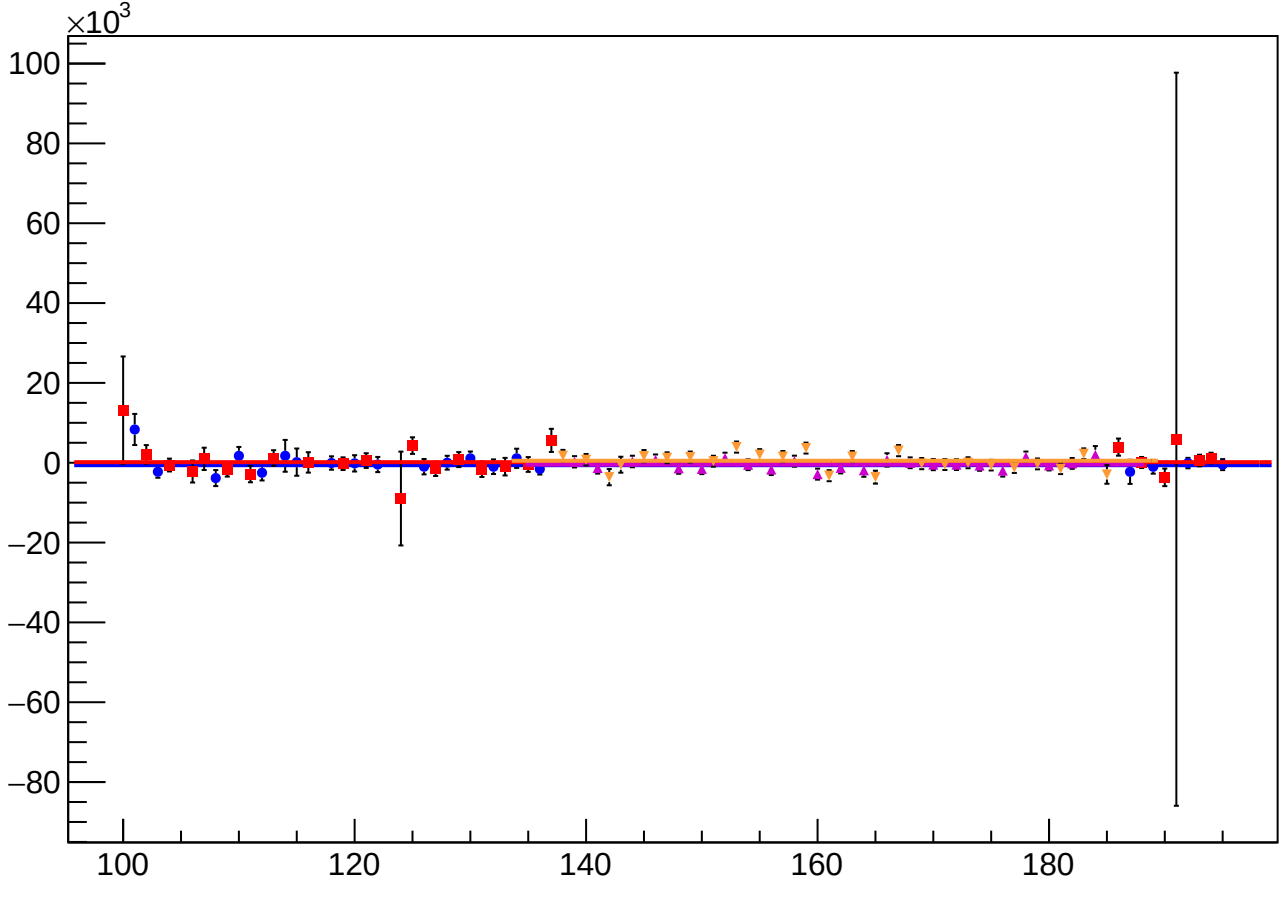
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3556.594+/-0.573 χ^2/NDF: 2587509.0/44

In: 4001.921+/-0.547 χ^2/NDF:2292473.4/42

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

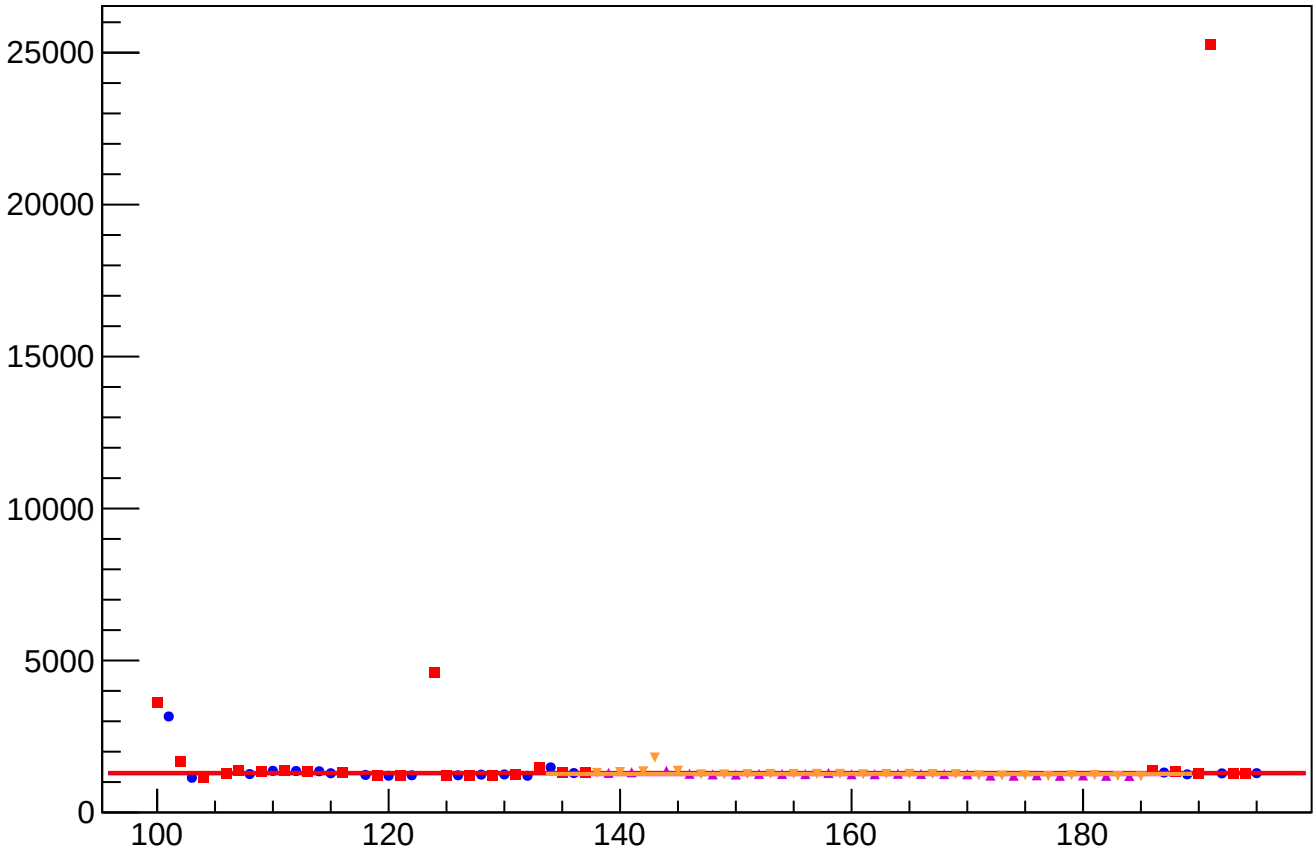
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -222.383+/-289.545 χ^2/NDF: 39.4/44

In: -529.234+/-240.182 χ^2/NDF:28.9/42

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -66.988+/-167.764 χ^2/NDF: 106.8/92



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

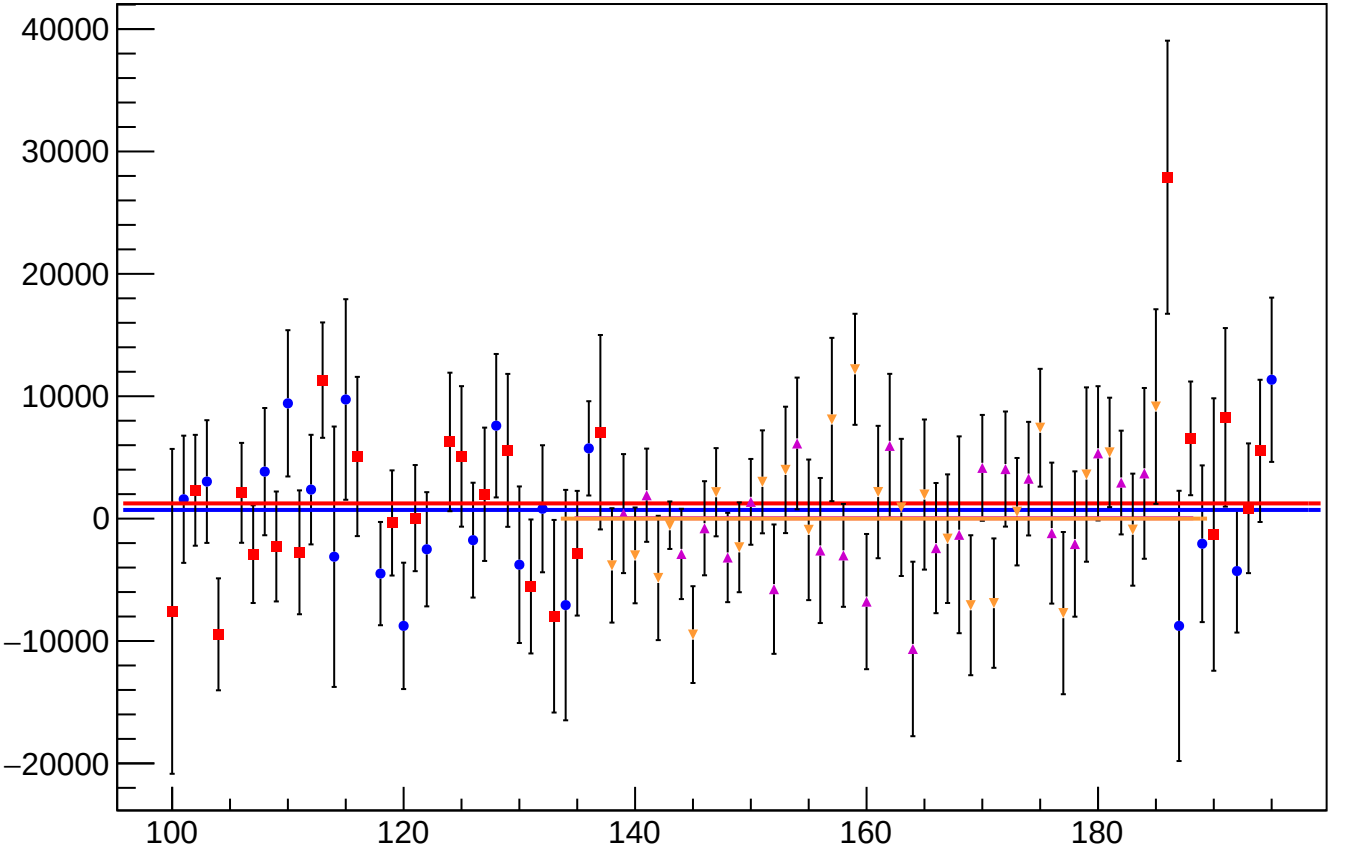
Right: 1295.906+/-0.205 χ^2/NDF: 989008.6/44

In: 1267.567+/-0.170 χ^2/NDF:559448.0/42

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

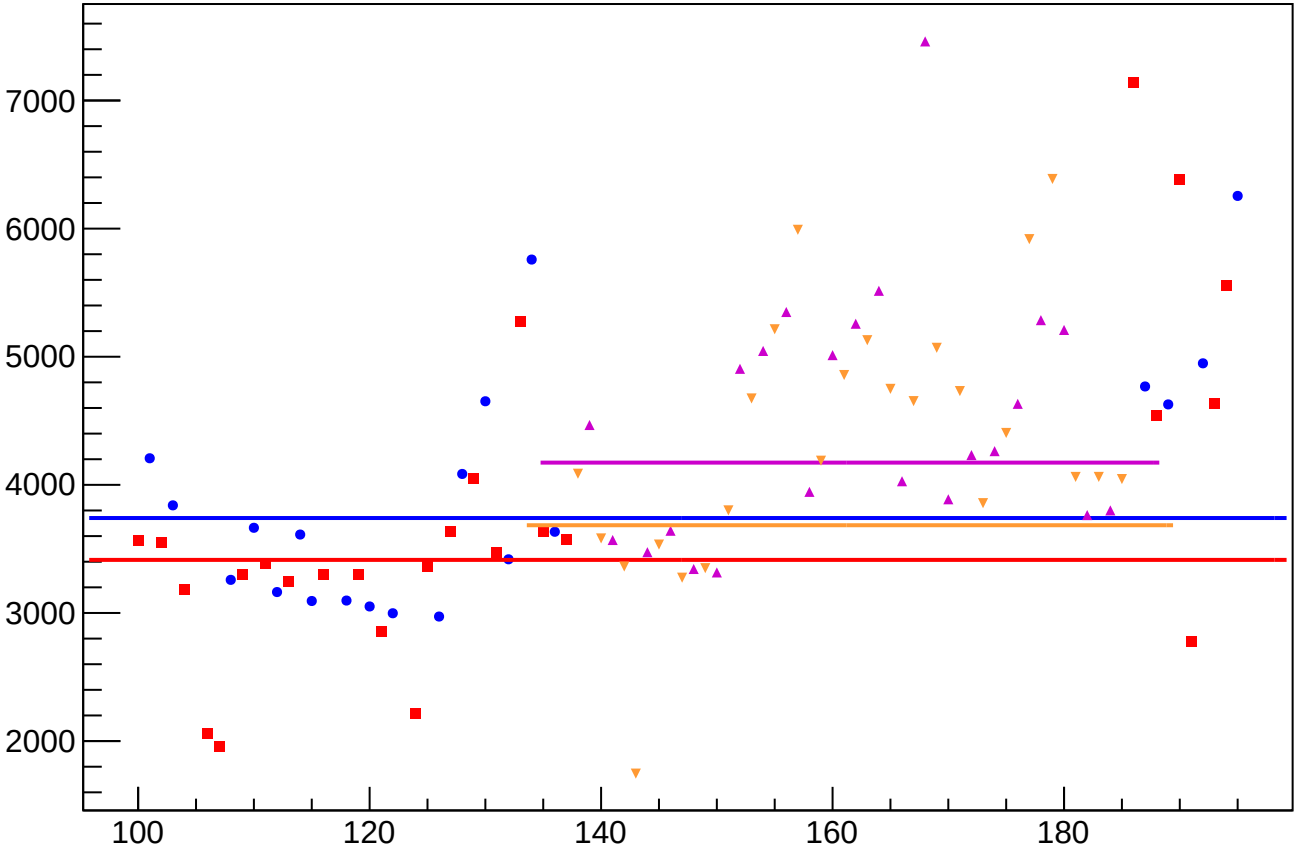
Right: 1010.343+/-809.802 χ^2/NDF: 46.5/44

In: 300.403+/-773.016 χ^2/NDF:32.7/42

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 412.917+/-512.533 χ^2/NDF: 90.5/92

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

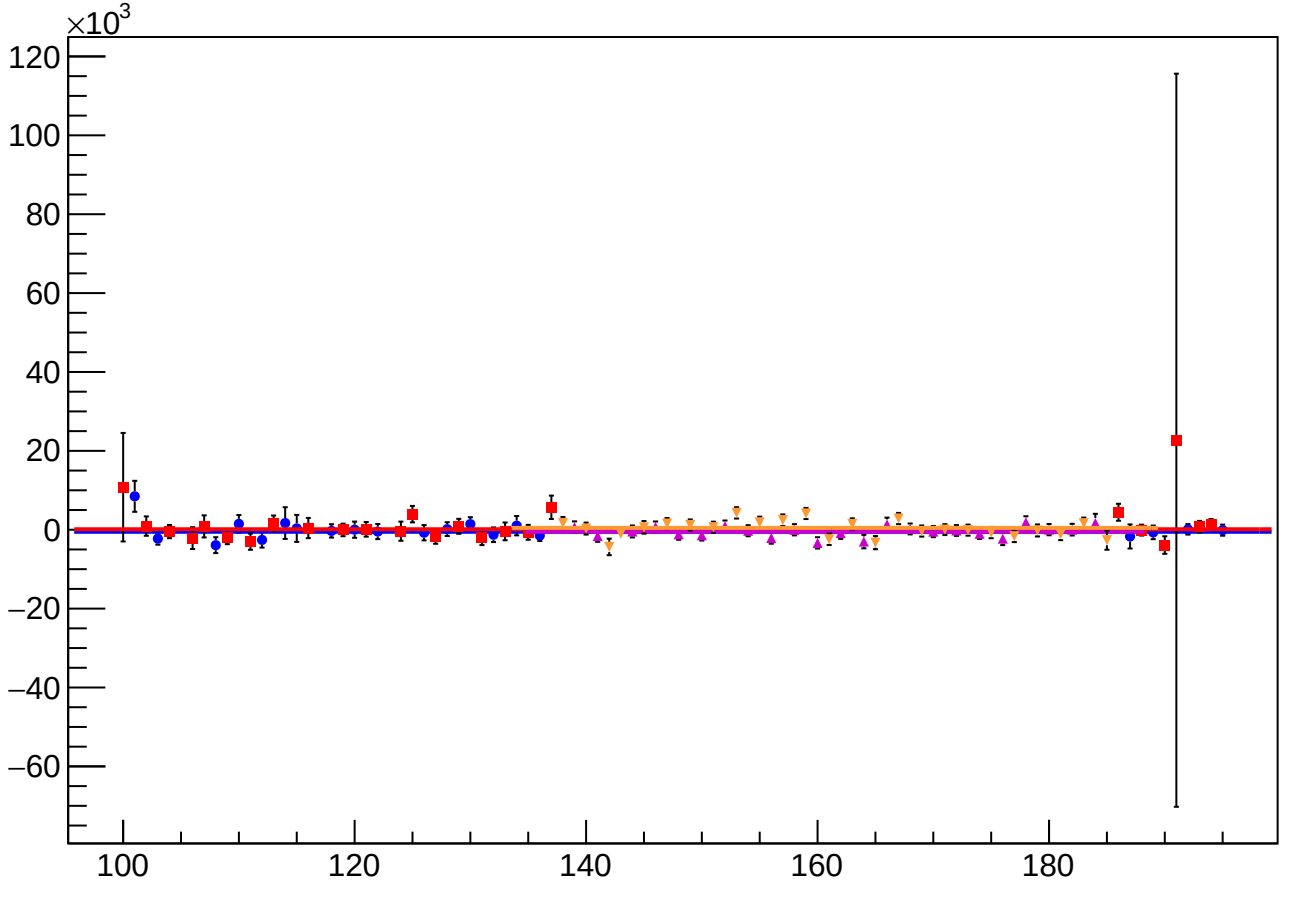
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3556.594+/-0.573 χ^2/NDF: 2587509.0/44

In: 4001.921+/-0.547 χ^2/NDF:2292473.4/42

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.732+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

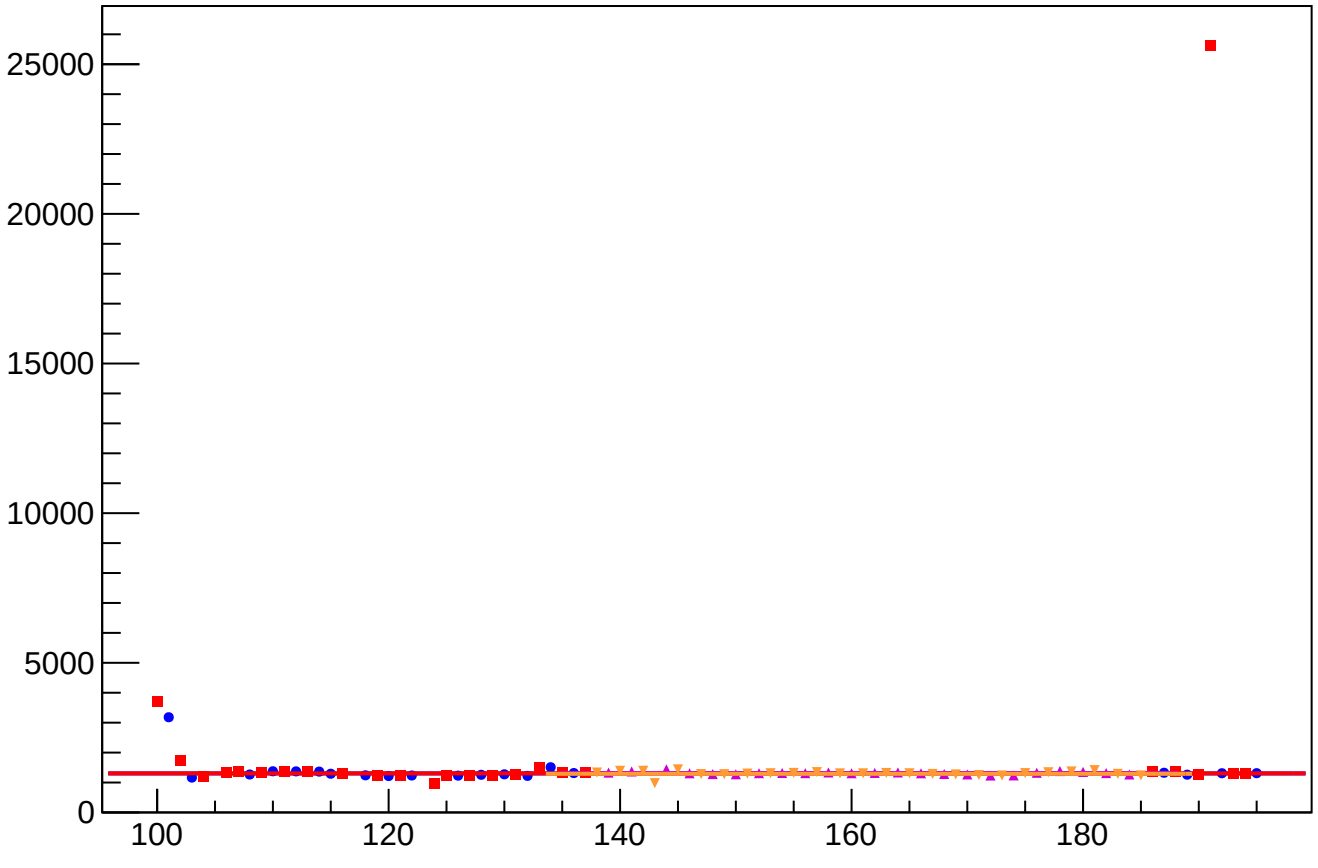
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -180.742+/-291.176 χ^2/NDF: 39.3/44

In: -507.625+/-248.327 χ^2/NDF:32.0/42

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.931+/-171.624 χ^2/NDF: 106.3/92



Right In: 1303.448+/-0.299 χ^2/NDF: 511957.8/19

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

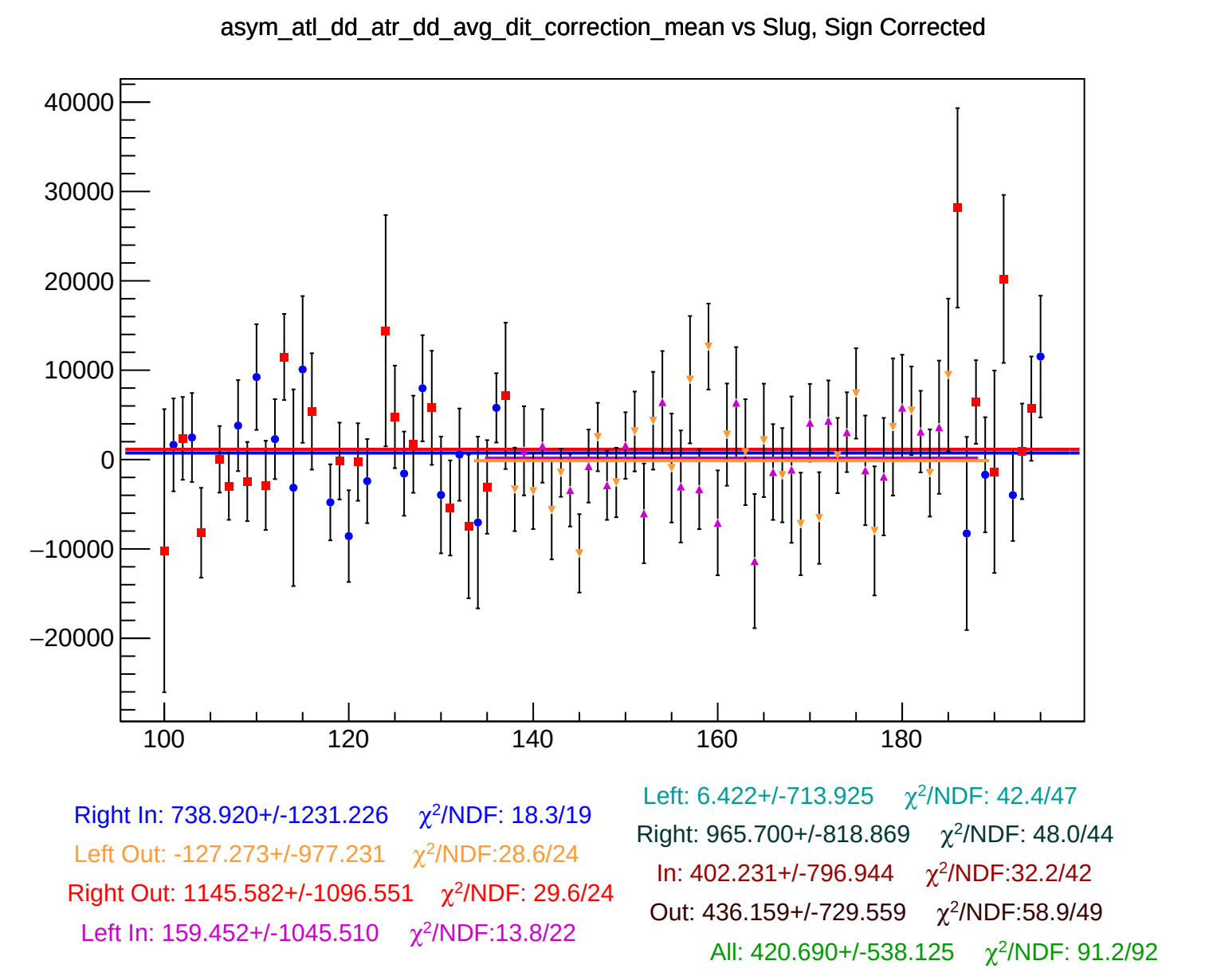
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.617+/-0.206 χ^2/NDF: 872122.5/44

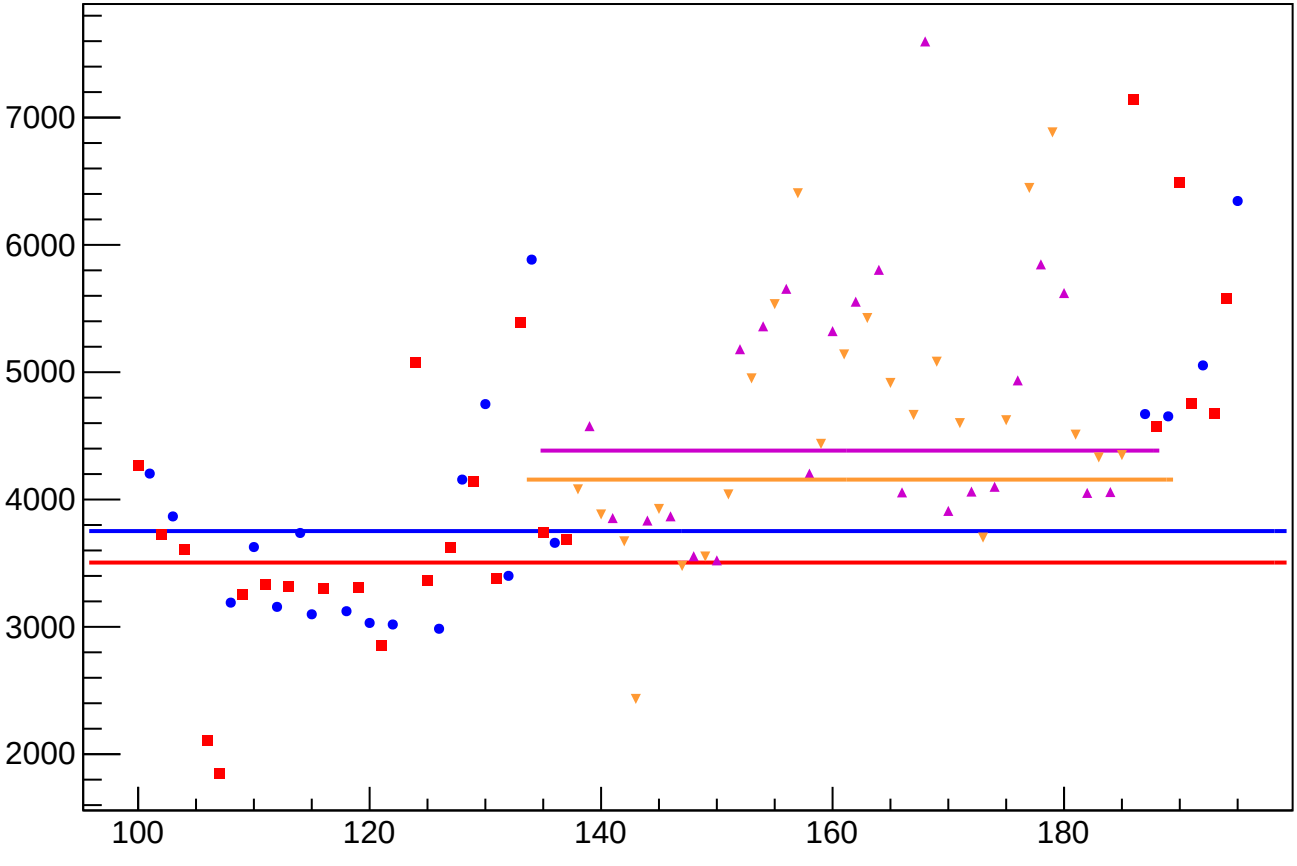
In: 1310.353+/-0.176 χ^2/NDF:555820.5/42

Out: 1296.259+/-0.168 χ^2/NDF:592557.5/49

All: 1302.990+/-0.121 χ^2/NDF: 1151743.8/92


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
Right In: 738.920+/-1231.226 χ²/NDF: 18.3/19
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 1145.582+/-1096.551 χ²/NDF: 29.6/24
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 965.700+/-818.869 χ²/NDF: 48.0/44
In: 402.231+/-796.944 χ²/NDF:32.2/42
Out: 436.159+/-729.559 χ²/NDF:58.9/49
All: 420.690+/-538.125 χ²/NDF: 91.2/92

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3752.245+/-0.871 χ^2/NDF: 910787.1/19

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

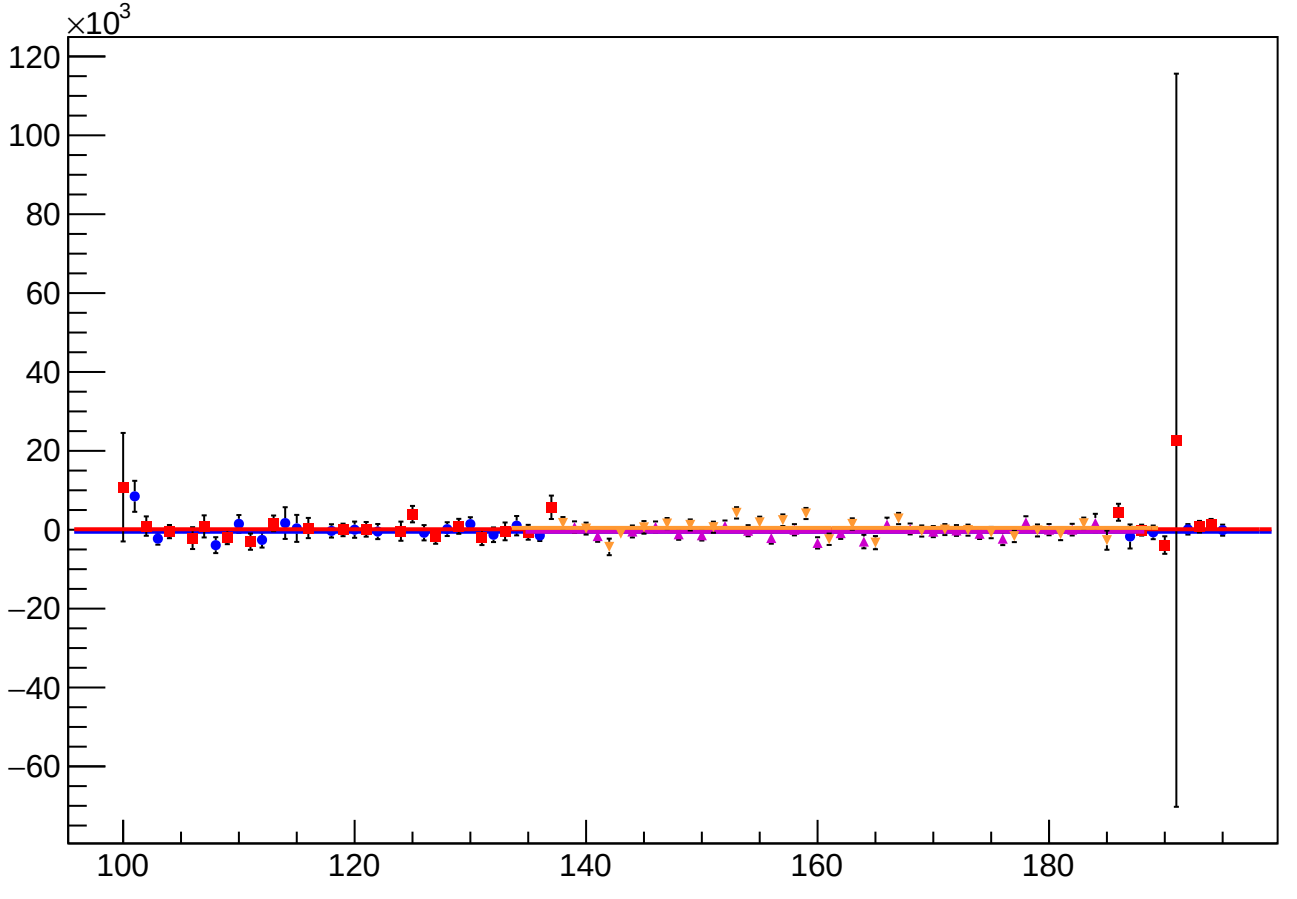
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3614.342+/-0.579 χ^2/NDF: 2702672.9/44

In: 4119.502+/-0.564 χ^2/NDF:2472522.0/42

Out: 3868.139+/-0.516 χ^2/NDF:4221295.0/49

All: 3982.746+/-0.381 χ^2/NDF: 6802066.1/92



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.727+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

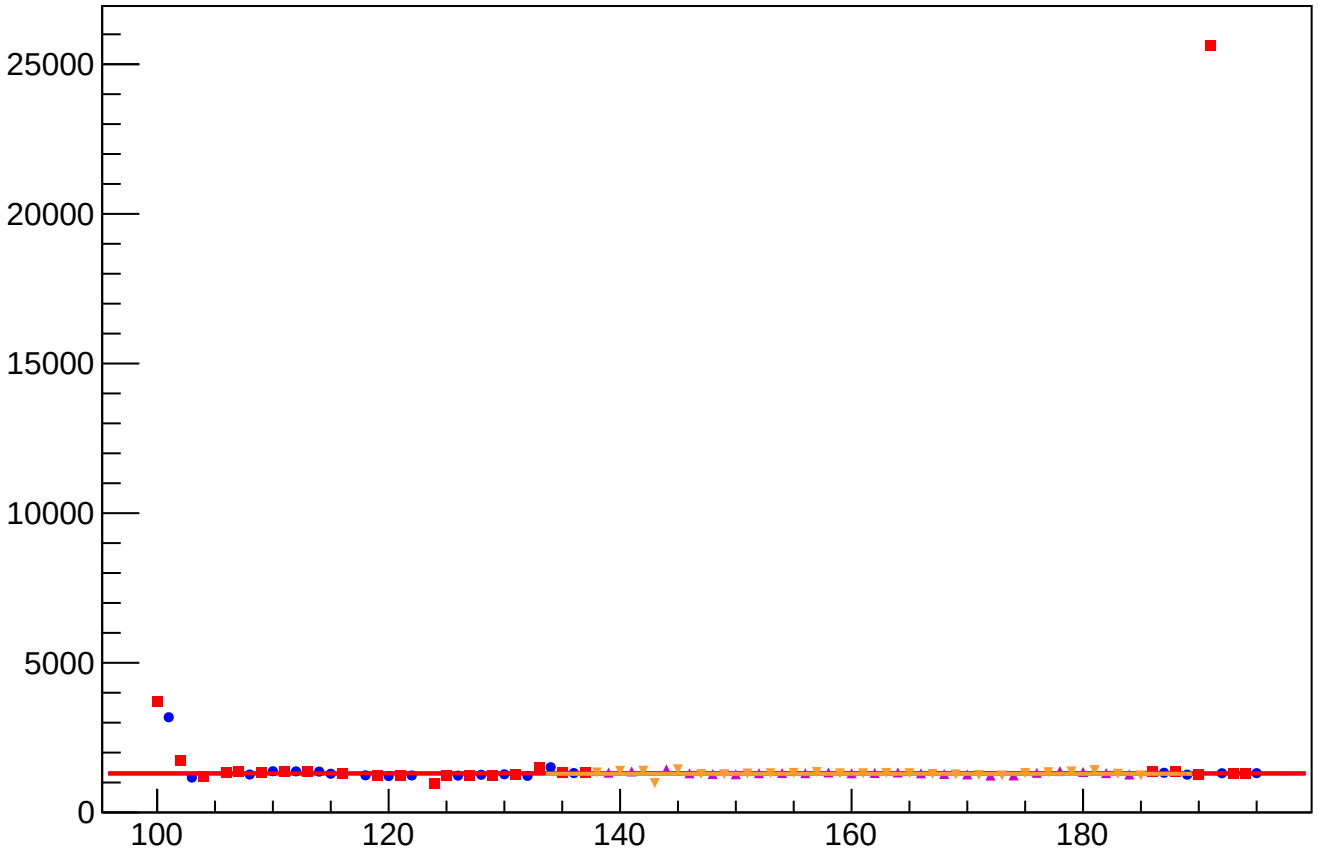
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -180.745+/-291.176 χ^2/NDF: 39.3/44

In: -507.626+/-248.327 χ^2/NDF:32.0/42

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.931+/-171.624 χ^2/NDF: 106.3/92



Right In: 1303.448+/-0.299 χ^2/NDF: 511958.0/19

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

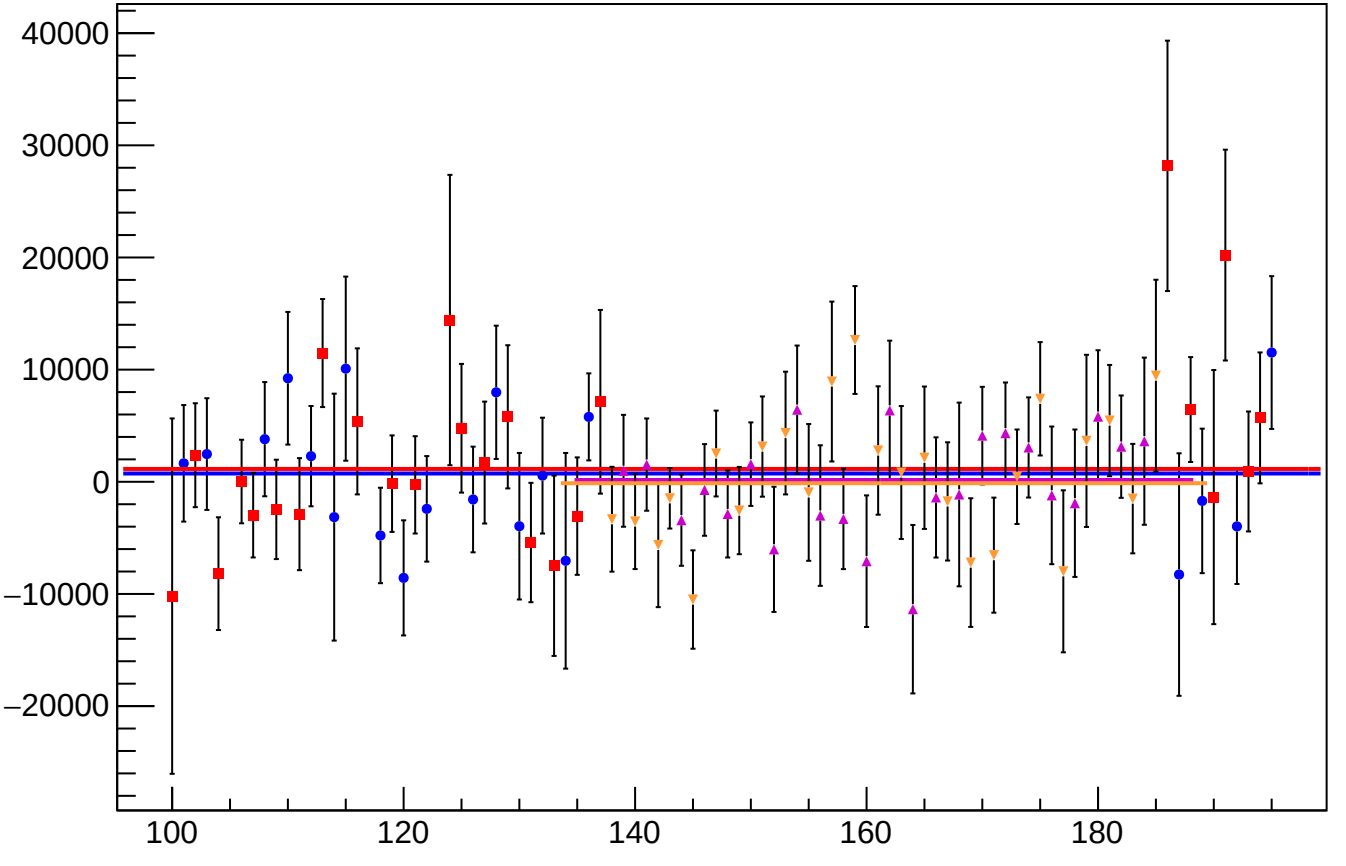
Right: 1304.617+/-0.206 χ^2/NDF: 872122.8/44

In: 1310.354+/-0.176 χ^2/NDF:555823.1/42

Out: 1296.260+/-0.168 χ^2/NDF:592559.8/49

All: 1302.991+/-0.121 χ^2/NDF: 1151748.7/92

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 738.910+/-1231.223 χ^2/NDF: 18.3/19

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

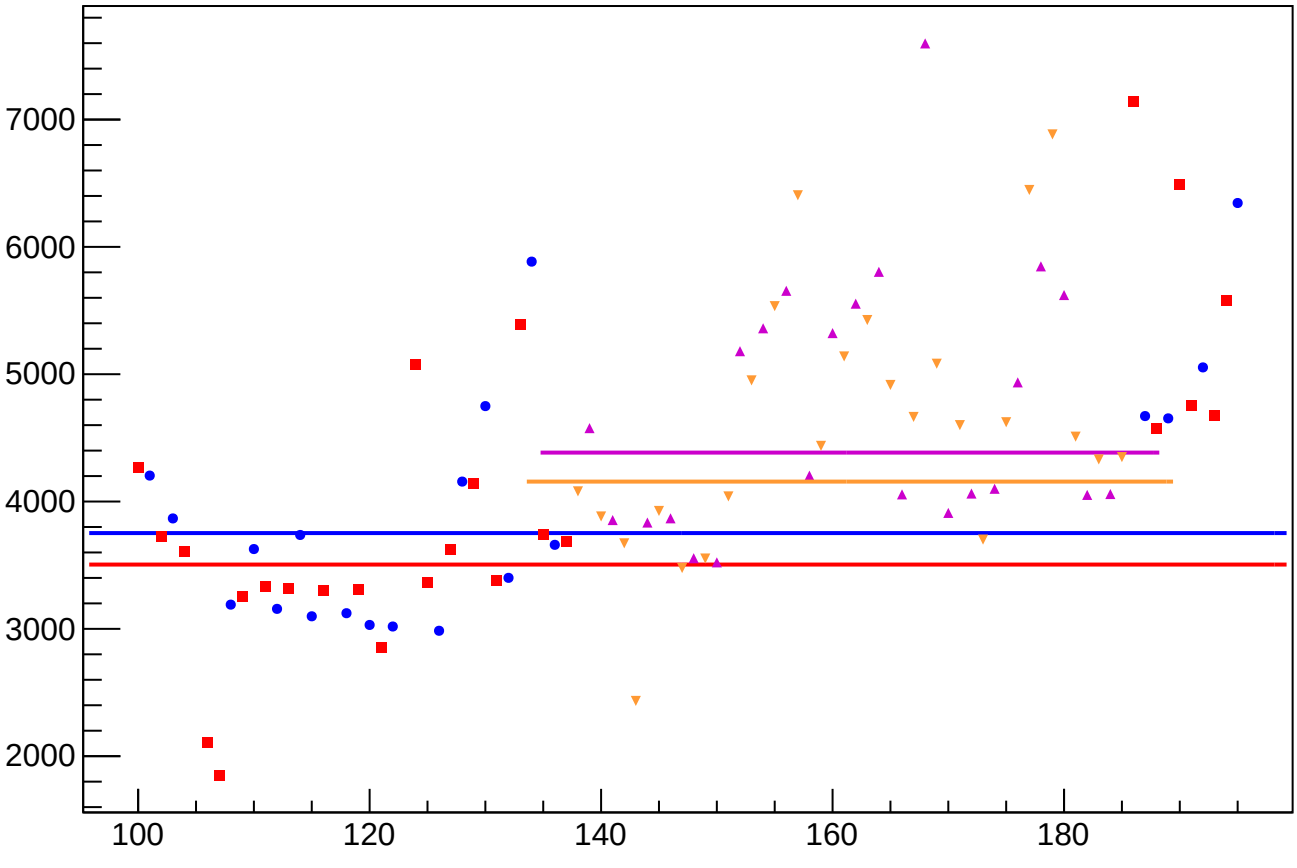
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 965.691+/-818.868 χ^2/NDF: 48.0/44

In: 402.228+/-796.945 χ^2/NDF:32.2/42

Out: 436.159+/-729.559 χ^2/NDF:58.9/49

All: 420.689+/-538.125 χ^2/NDF: 91.2/92



Right In: 3752.236+/-0.871 χ^2/NDF: 910800.7/19

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

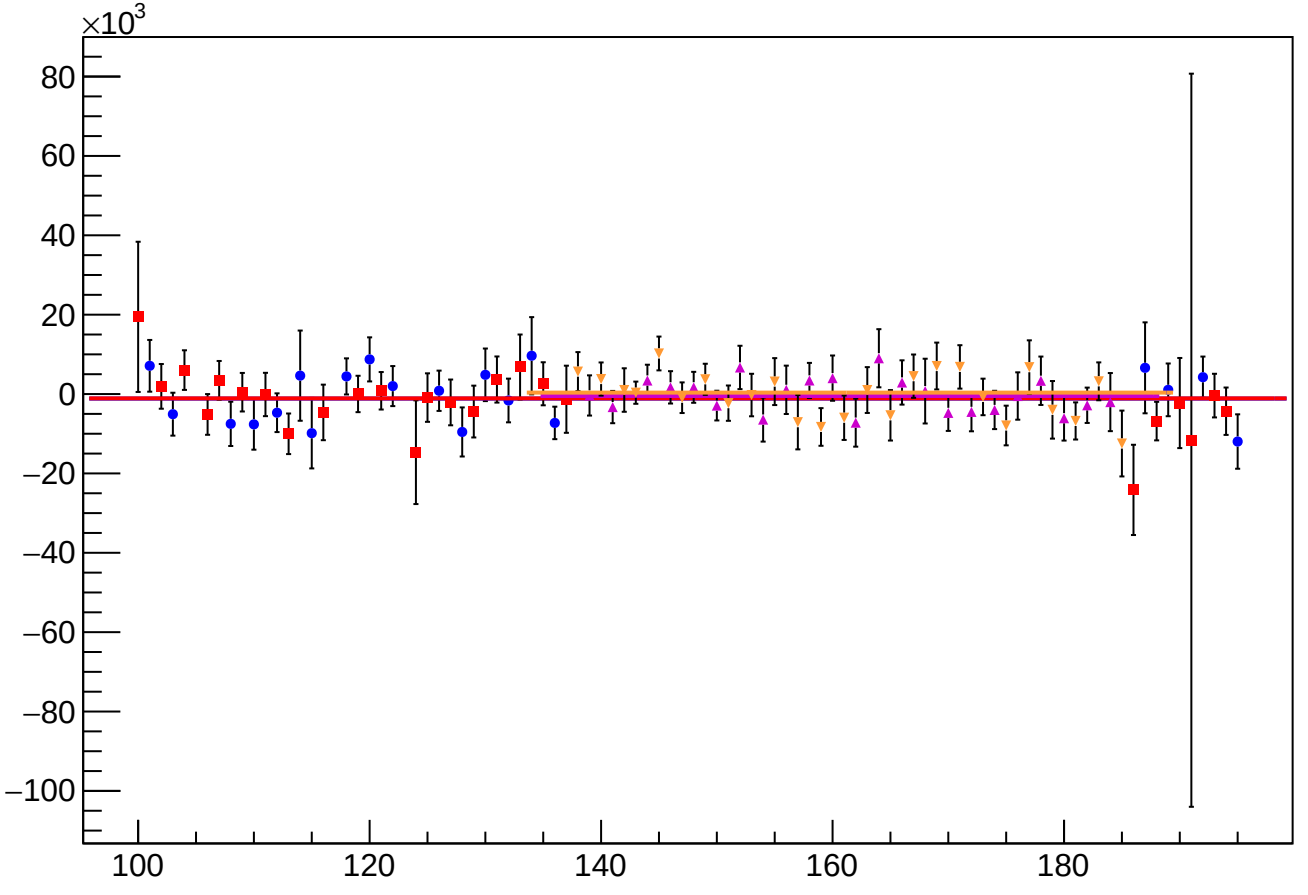
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3614.334+/-0.579 χ^2/NDF: 2702697.4/44

In: 4119.502+/-0.564 χ^2/NDF:2472554.8/42

Out: 3868.138+/-0.516 χ^2/NDF:4221325.7/49

All: 3982.745+/-0.381 χ^2/NDF: 6802129.5/92



Right In: -1147.735+/-1317.034 χ^2/NDF: 21.7/19

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1092.453+/-1213.237 χ^2/NDF: 17.9/24

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

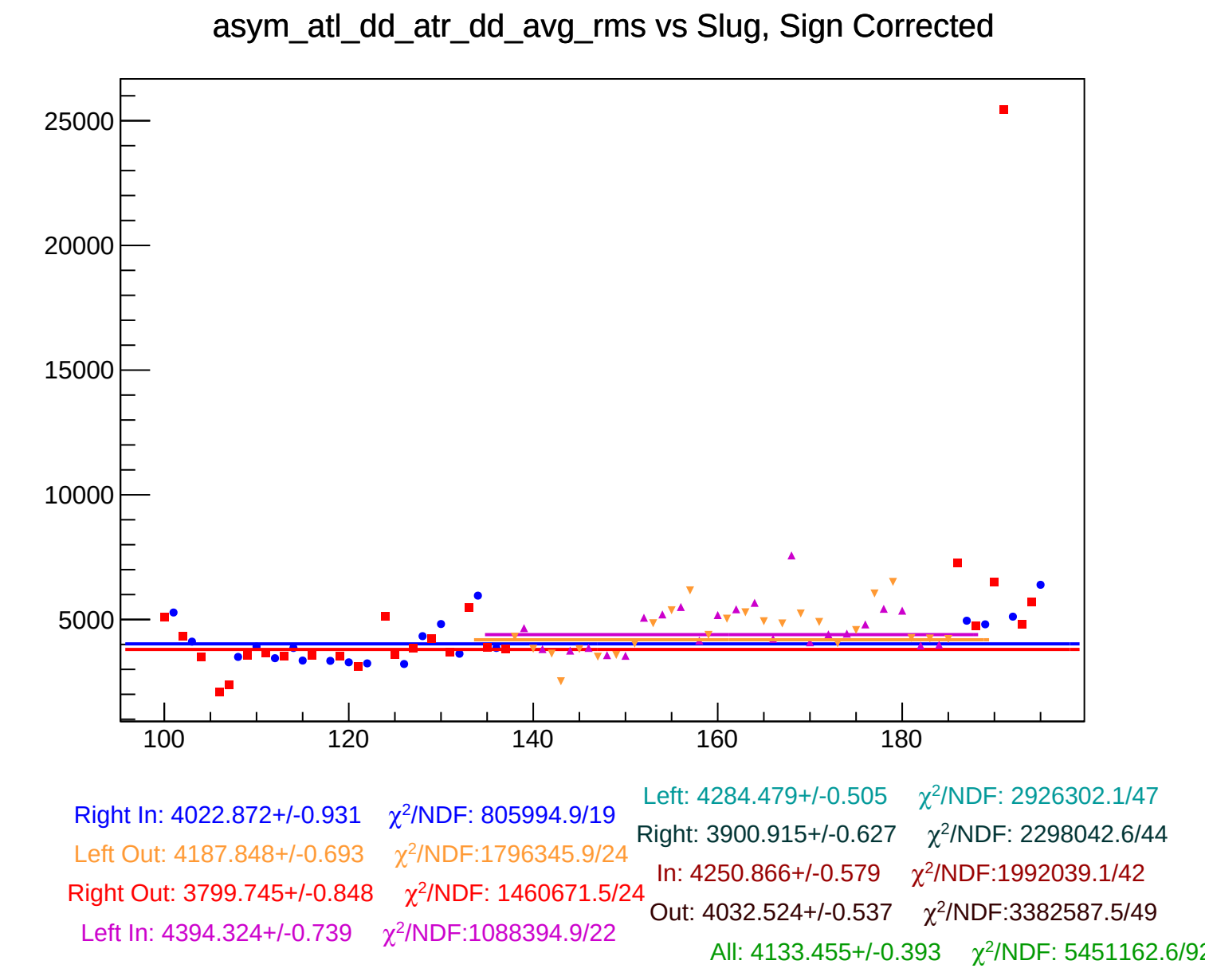
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

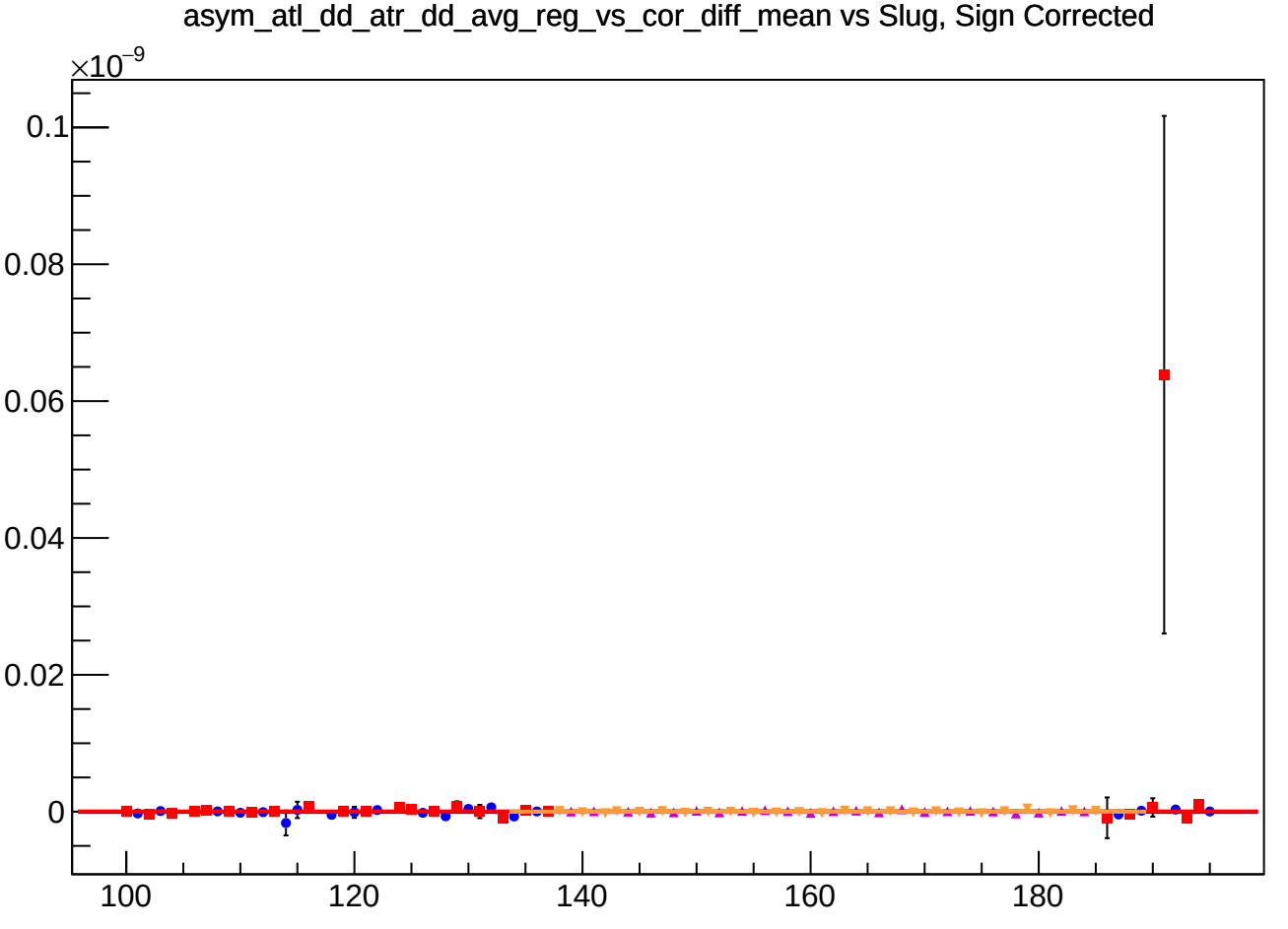
Right: -1117.830+/-892.330 χ^2/NDF: 39.6/44

In: -748.638+/-818.476 χ^2/NDF:35.8/42

Out: -211.866+/-762.293 χ^2/NDF:46.4/49

All: -461.198+/-557.828 χ^2/NDF: 82.4/92


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 4022.872+/-0.931 χ²/NDF: 805994.9/19
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 3799.745+/-0.848 χ²/NDF: 1460671.5/24
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 3900.915+/-0.627 χ²/NDF: 2298042.6/44
In: 4250.866+/-0.579 χ²/NDF:1992039.1/42
Out: 4032.524+/-0.537 χ²/NDF:3382587.5/49
All: 4133.455+/-0.393 χ²/NDF: 5451162.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

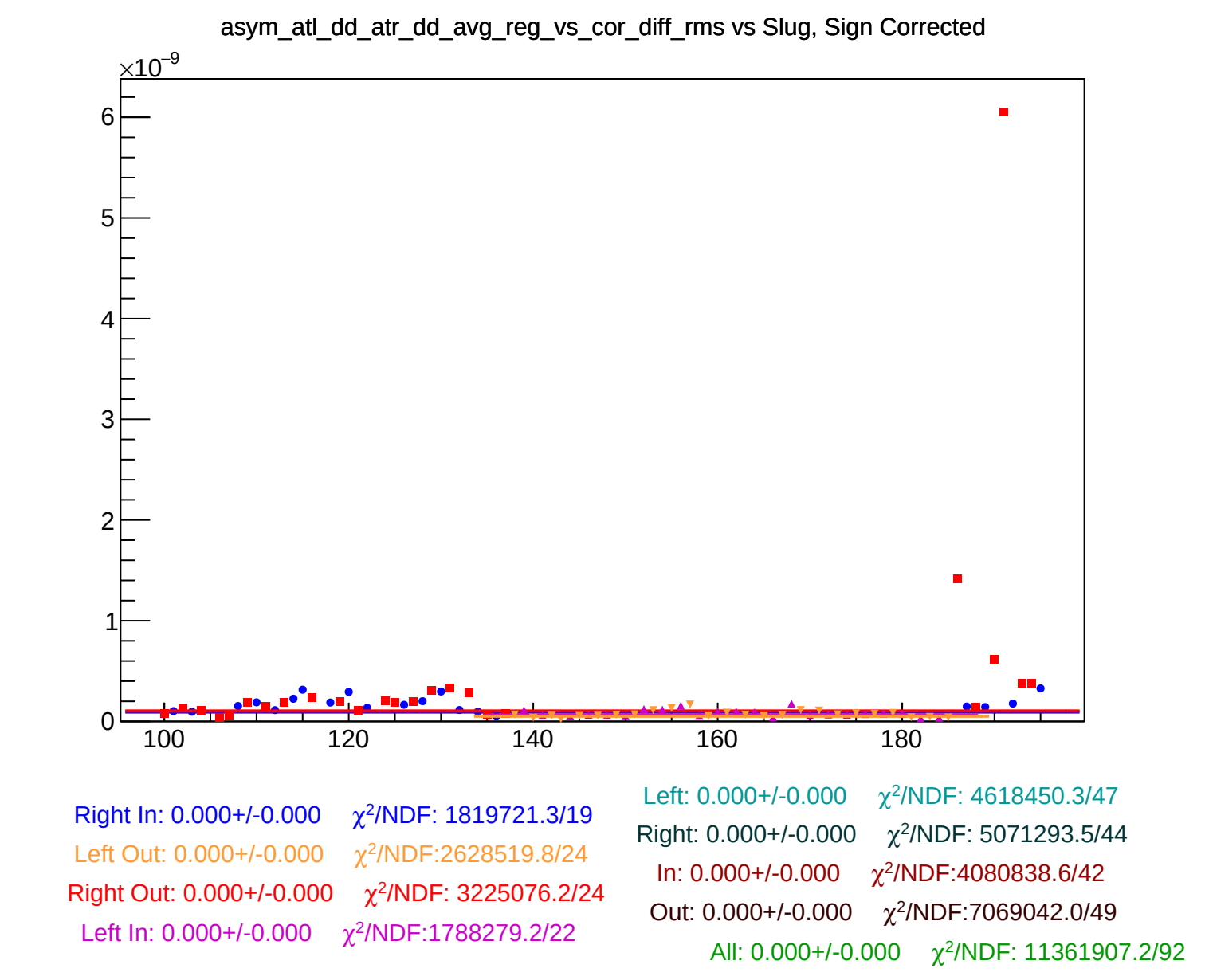
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

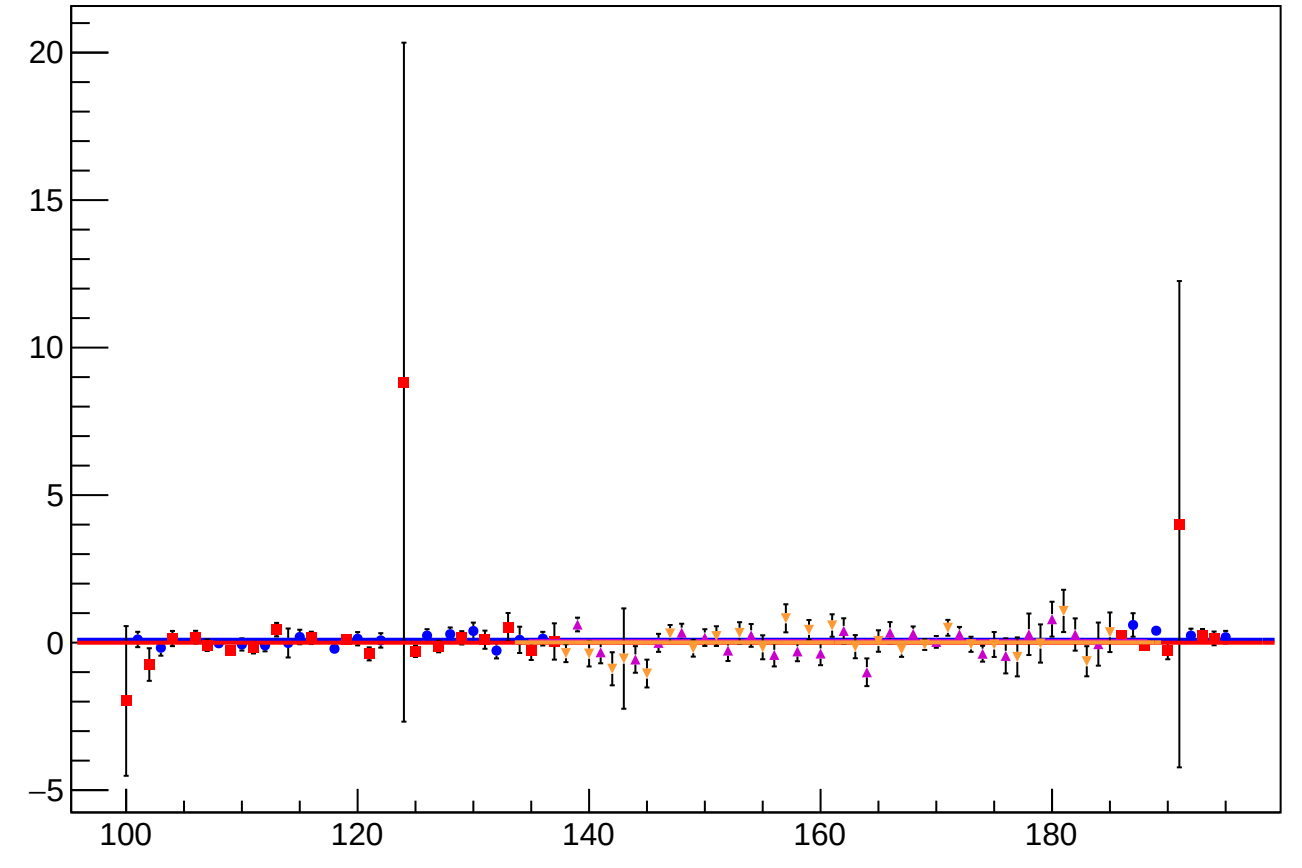
Right: -0.000+/-0.000 χ^2/NDF: 44.5/44

In: 0.000+/-0.000 χ^2/NDF:35.8/42

Out: 0.000+/-0.000 χ^2/NDF:56.6/49

All: 0.000+/-0.000 χ^2/NDF: 92.5/92


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
Right In: 0.000+/-0.000 χ²/NDF: 1819721.3/19
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3225076.2/24
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: 5071293.5/44
In: 0.000+/-0.000 χ²/NDF:4080838.6/42
Out: 0.000+/-0.000 χ²/NDF:7069042.0/49
All: 0.000+/-0.000 χ²/NDF: 11361907.2/92



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

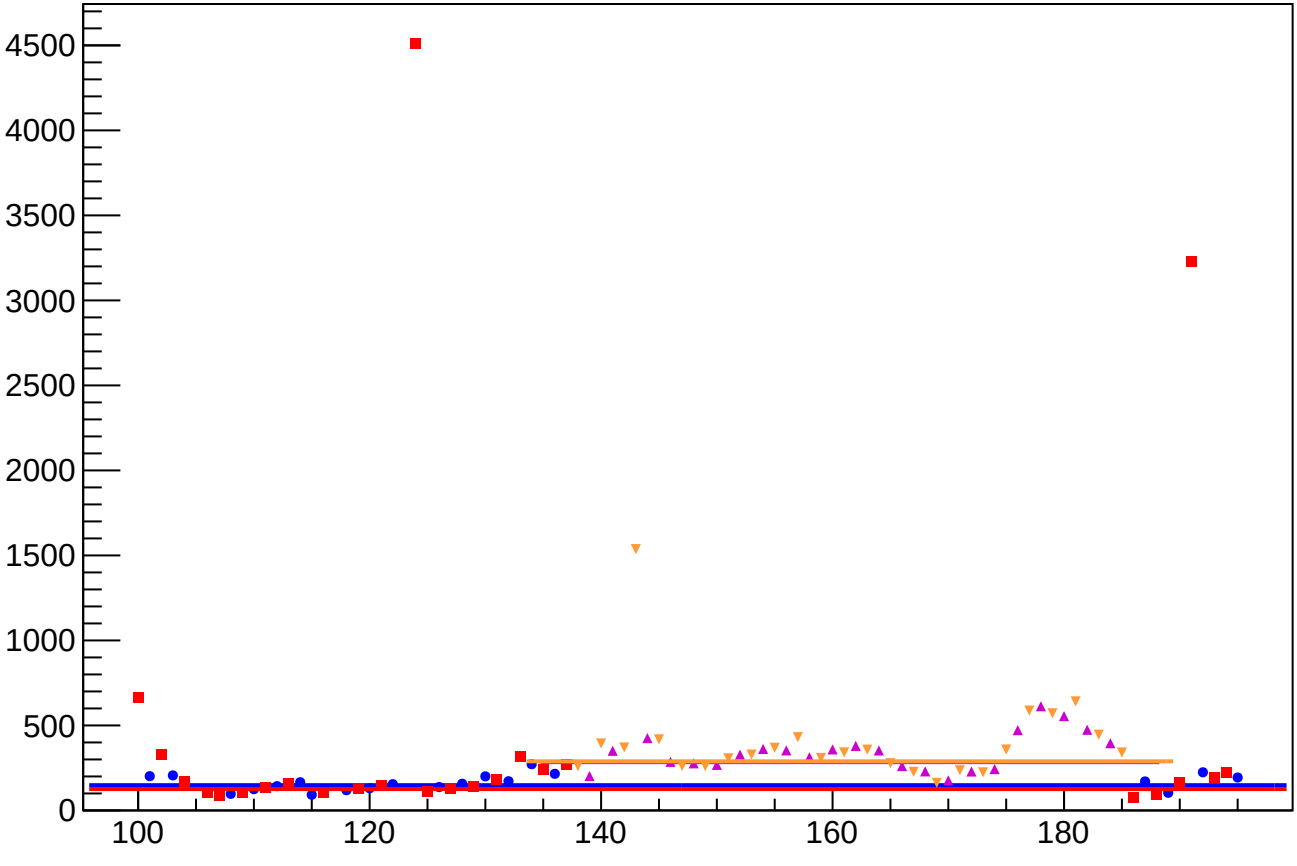
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

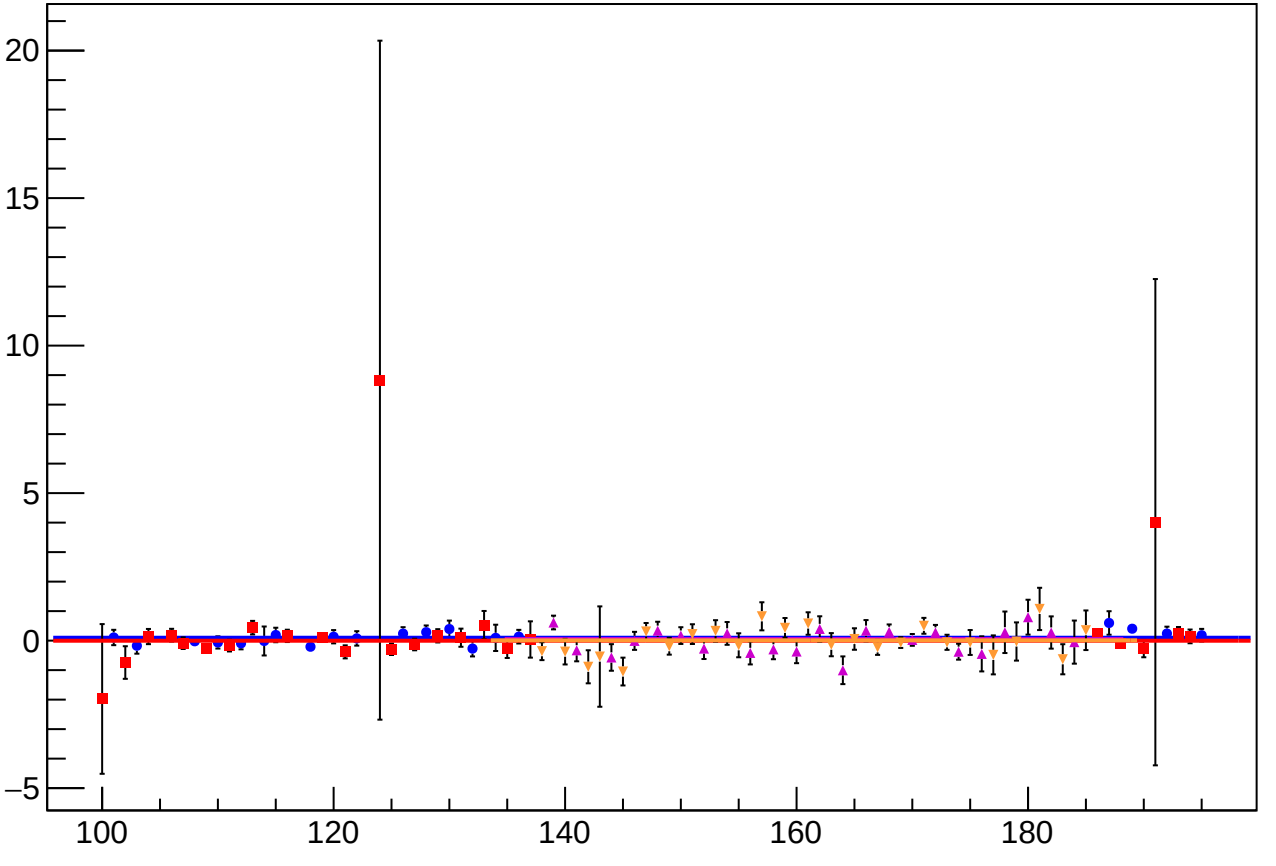
Right: 135.366+/-0.023 χ^2/NDF: 4758207.8/44

In: 194.864+/-0.029 χ^2/NDF:9439437.0/42

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

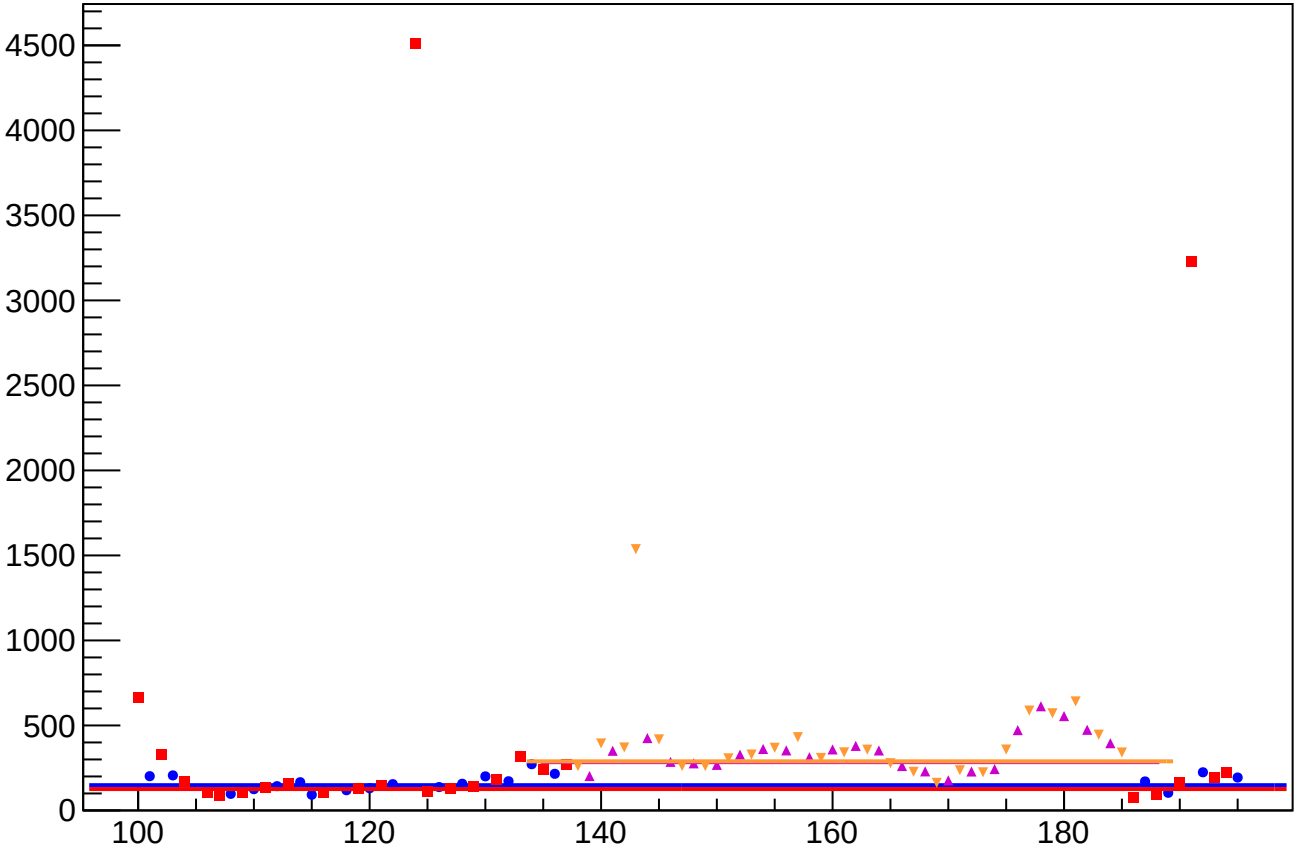
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

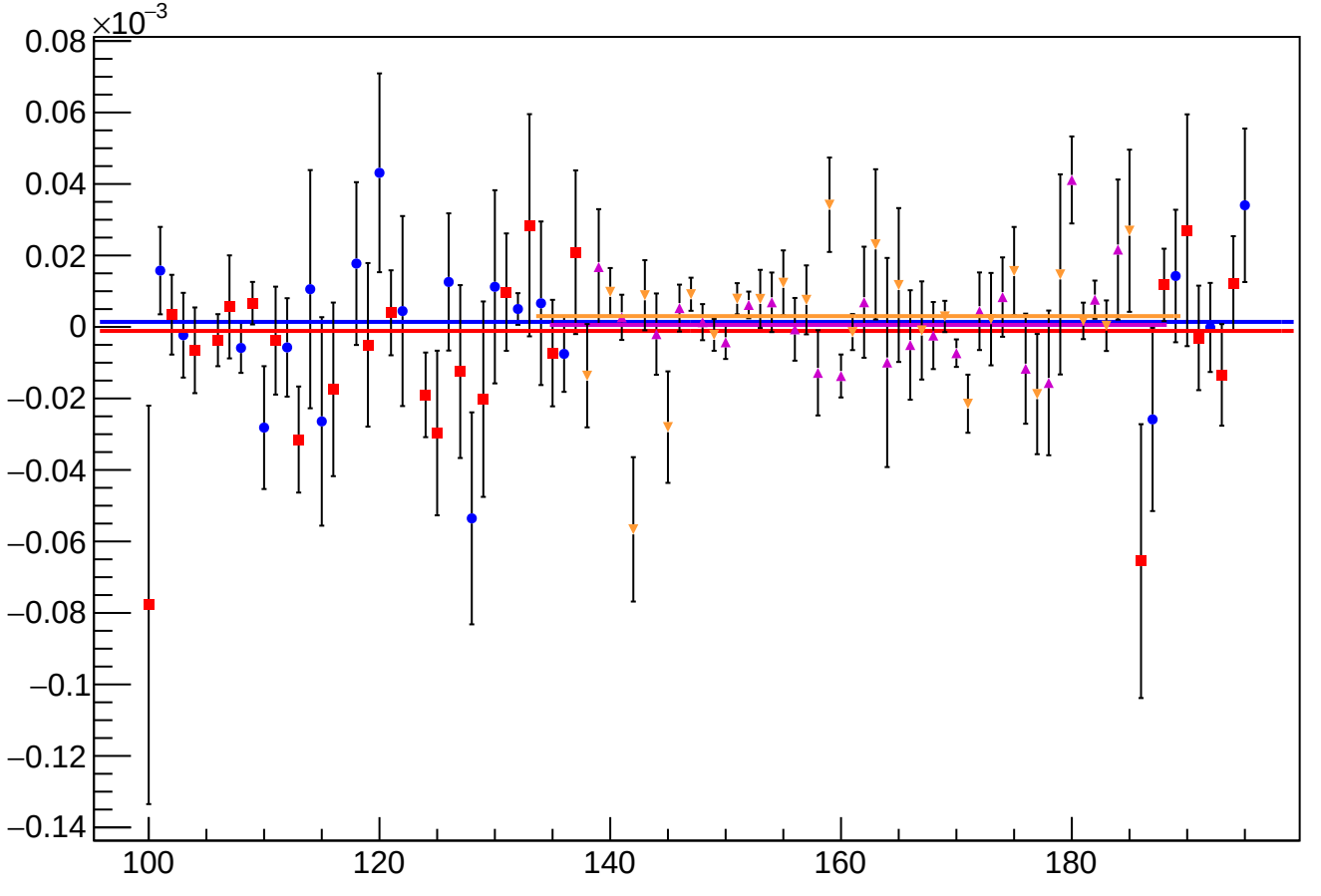
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 135.366+/-0.023 χ^2/NDF: 4758207.8/44

In: 194.864+/-0.029 χ^2/NDF:9439437.0/42

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

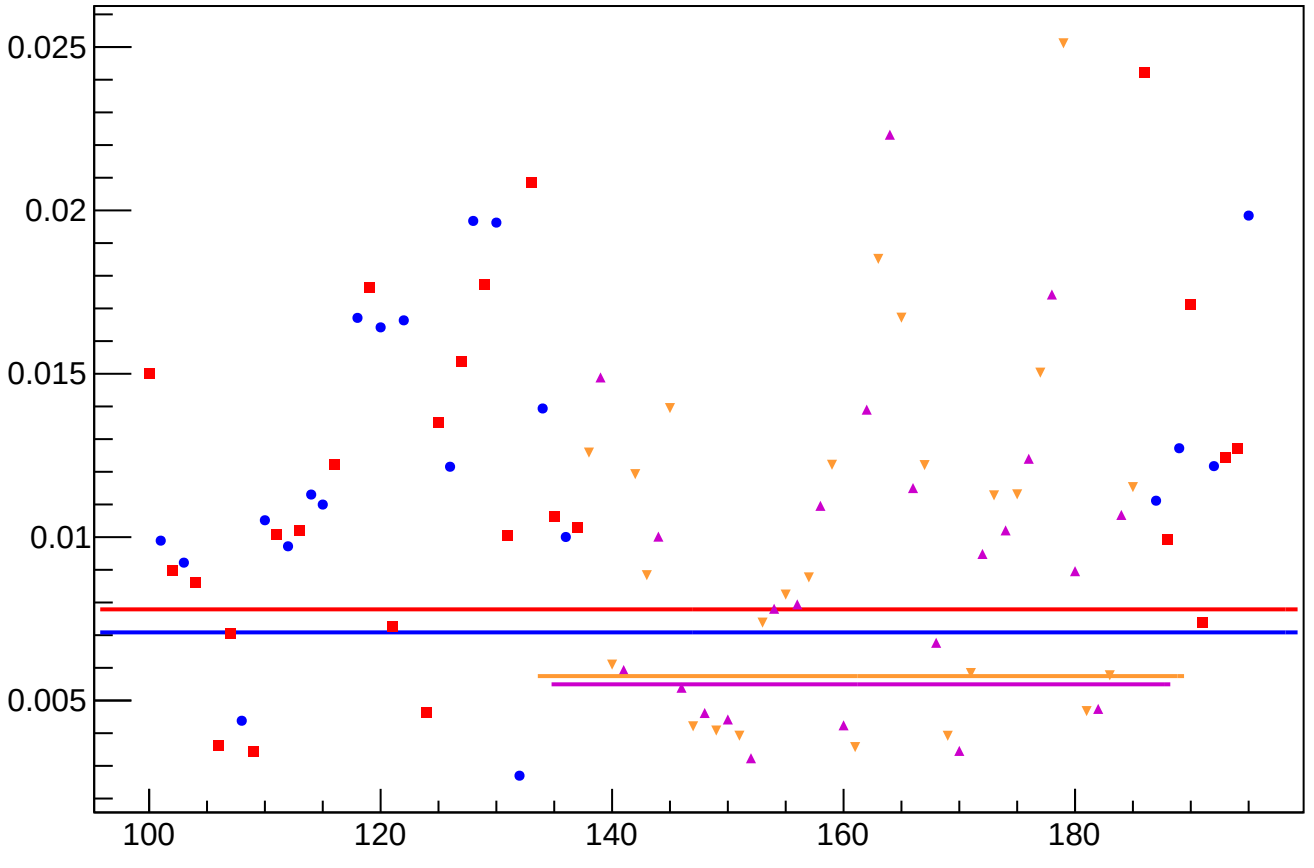
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 42.4/44

In: 0.000+/-0.000 χ^2/NDF:52.1/42

Out: 0.000+/-0.000 χ^2/NDF:67.1/49

All: 0.000+/-0.000 χ^2/NDF: 119.7/92



Right In: 0.007+/-0.000 χ^2/NDF: 6031592.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

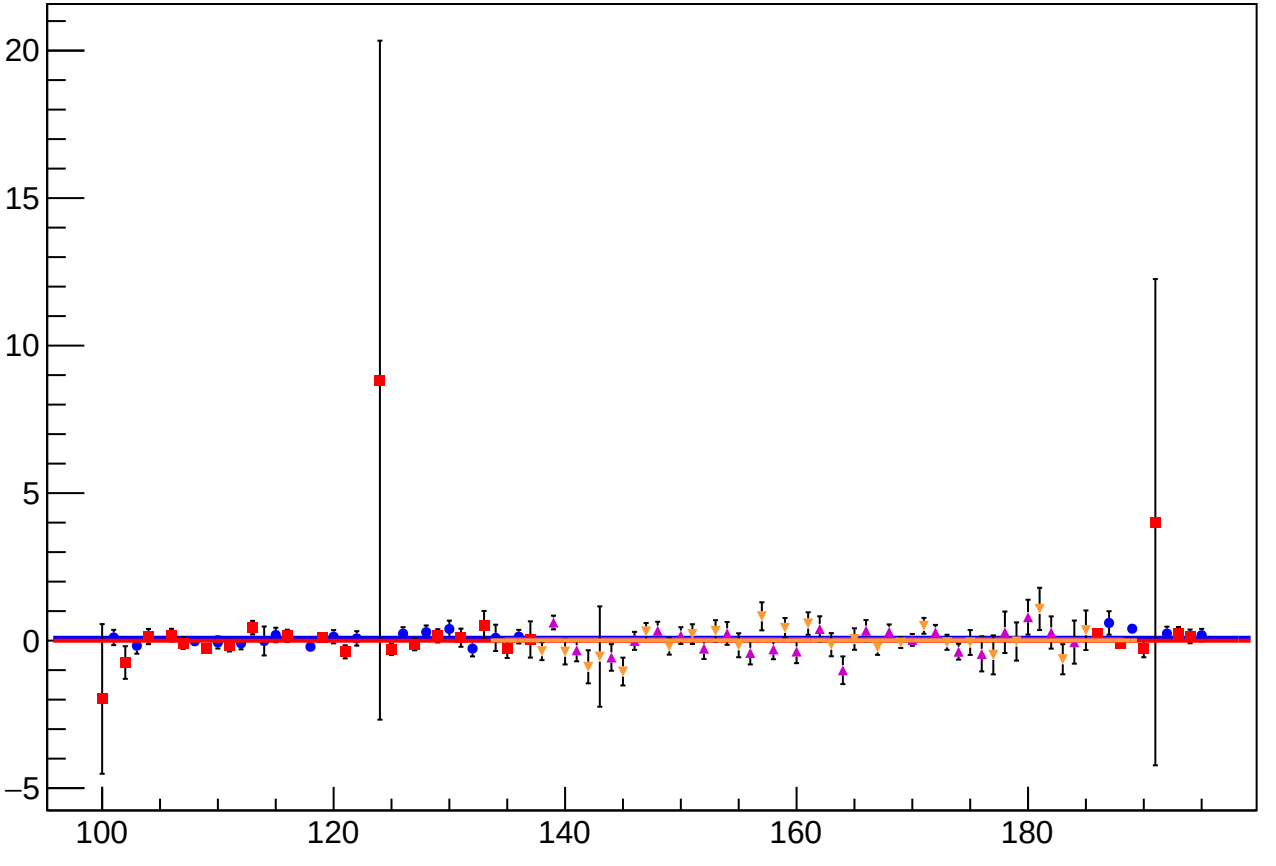
Right: 0.007+/-0.000 χ^2/NDF: 10768758.1/44

In: 0.006+/-0.000 χ^2/NDF:13474040.4/42

Out: 0.006+/-0.000 χ^2/NDF:13665984.3/49

All: 0.006+/-0.000 χ^2/NDF: 27220884.6/92

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

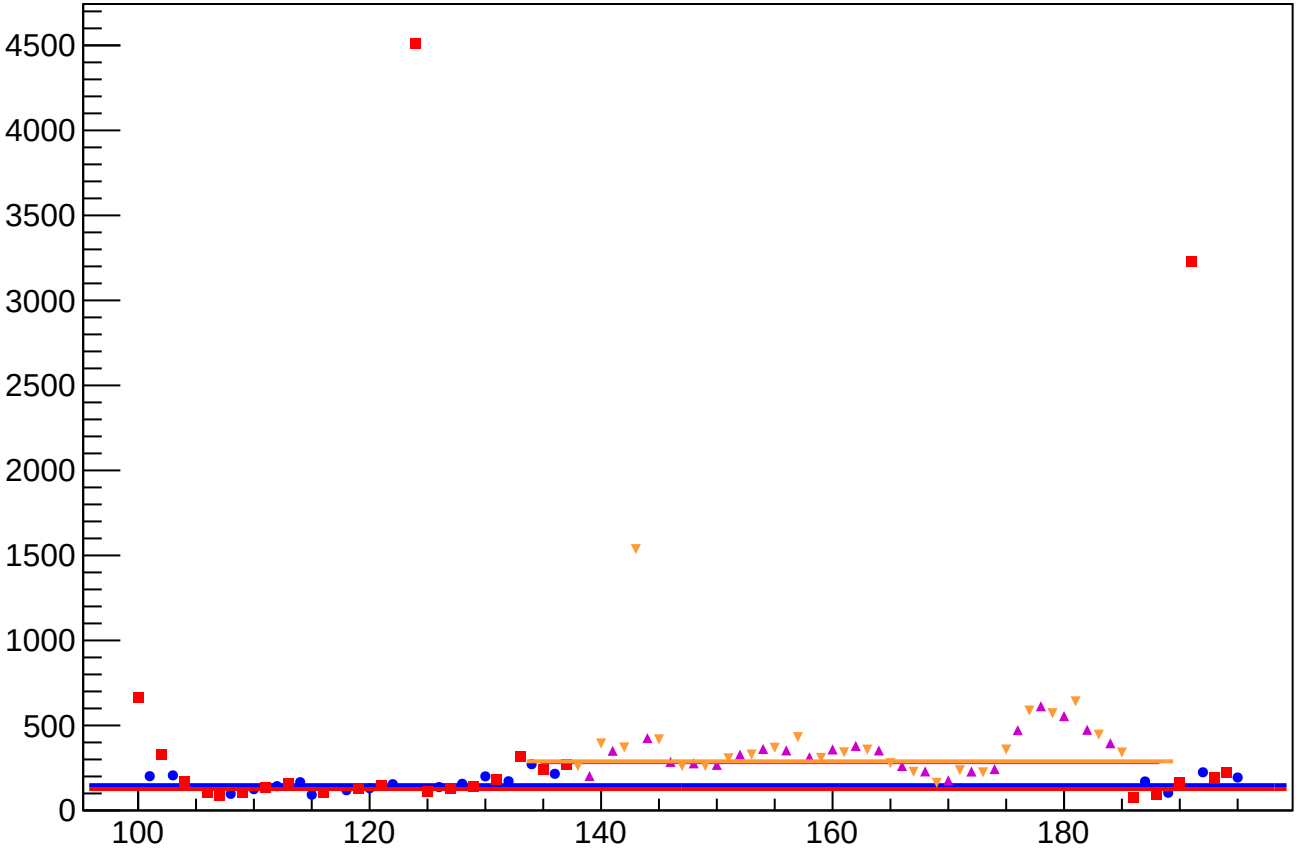
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

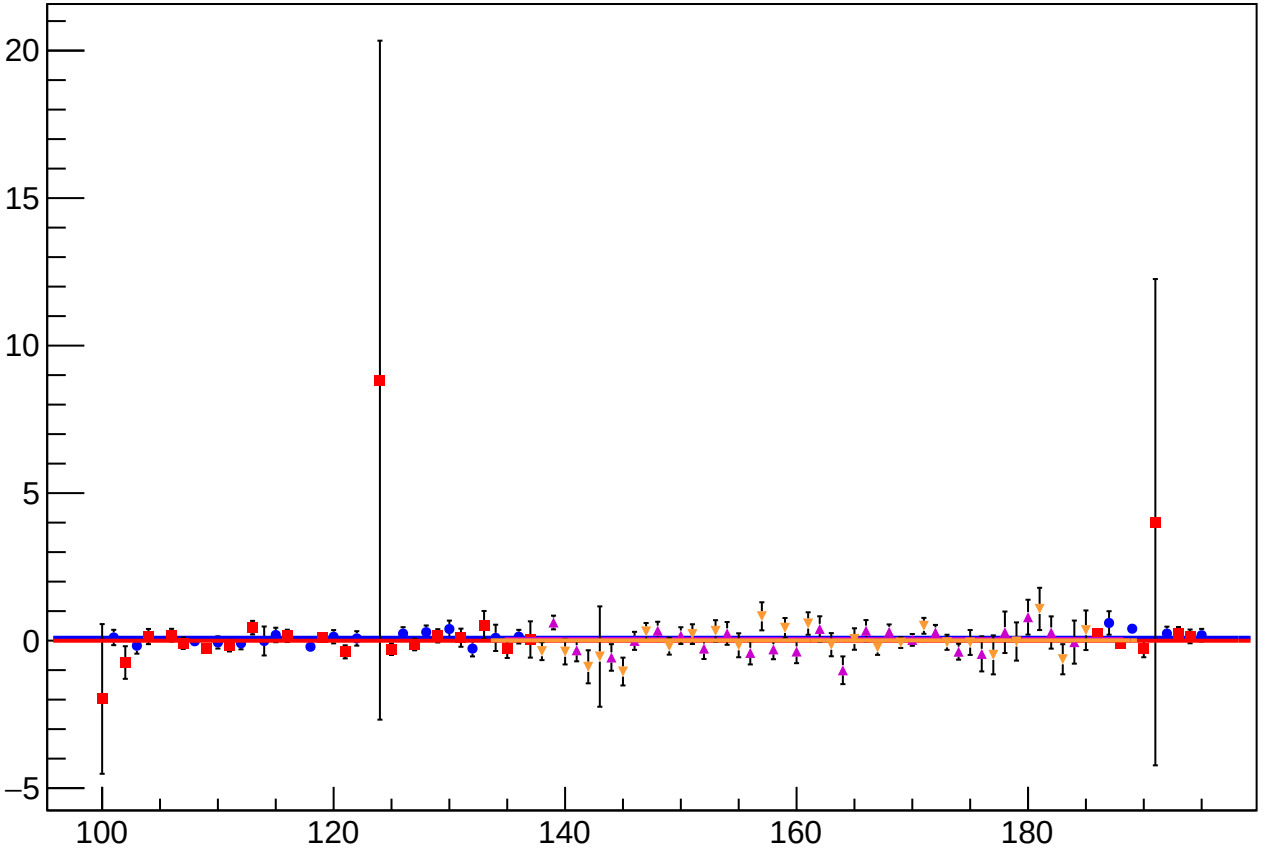
Right: 135.367+/-0.023 χ^2/NDF: 4757975.3/44

In: 194.864+/-0.029 χ^2/NDF:9439631.3/42

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

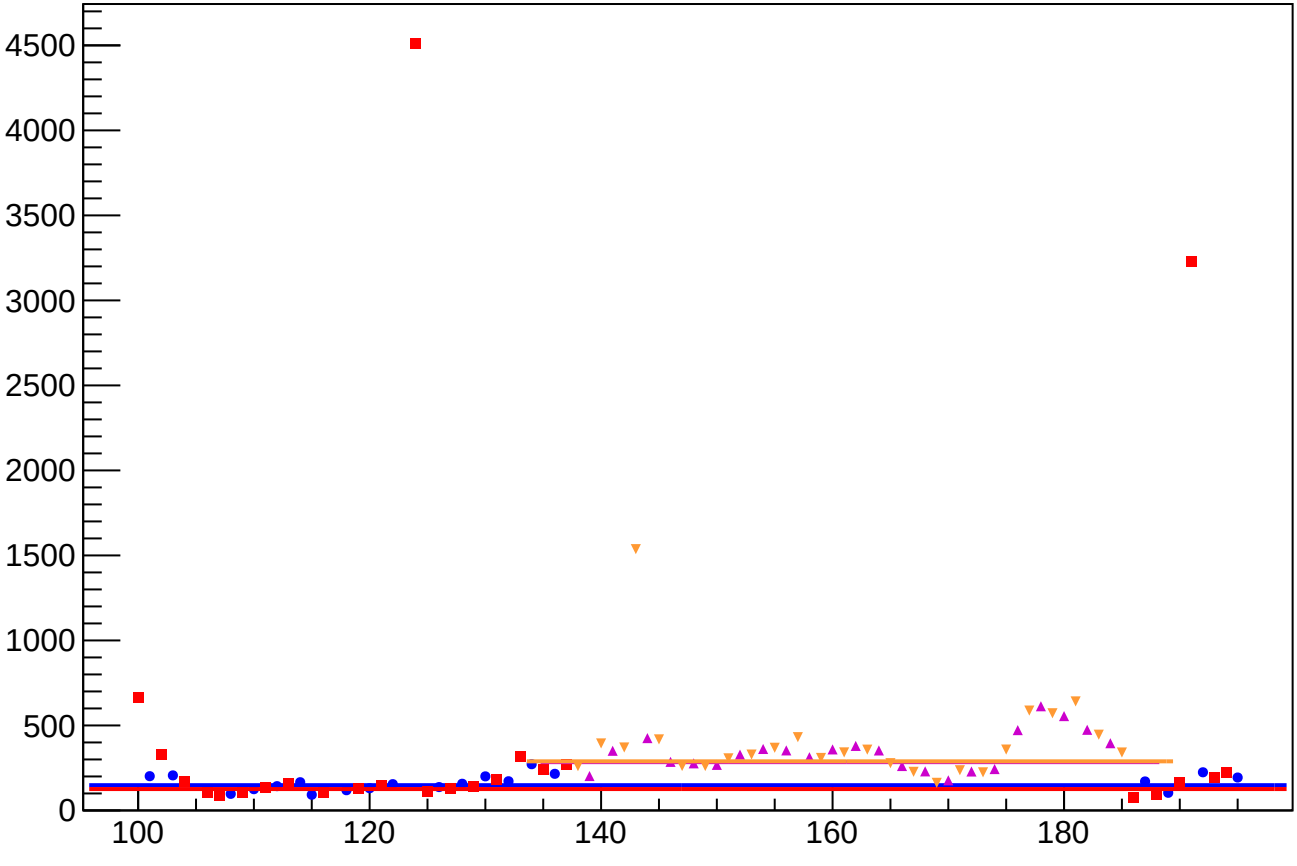
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

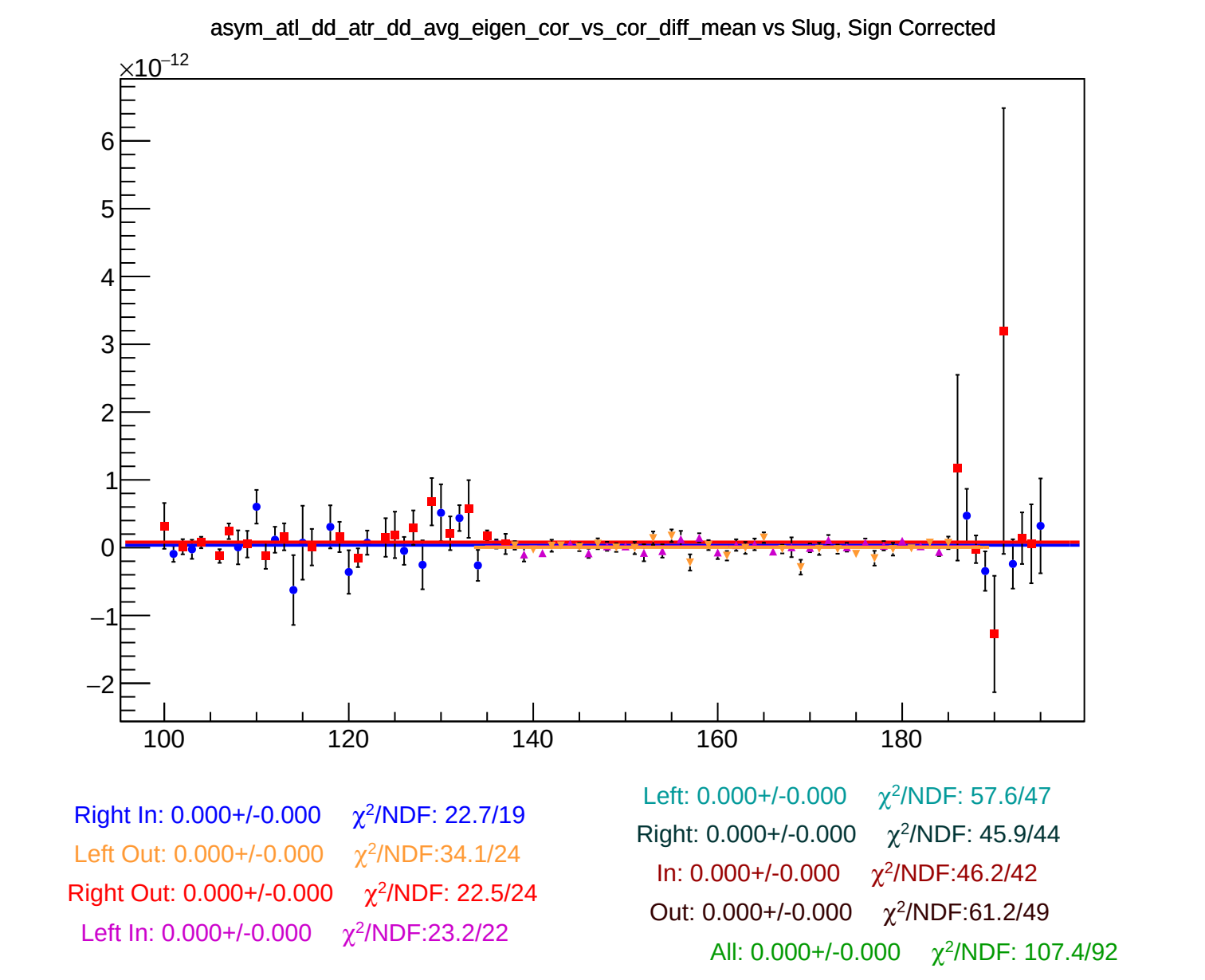
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 135.367+/-0.023 χ^2/NDF: 4757975.3/44

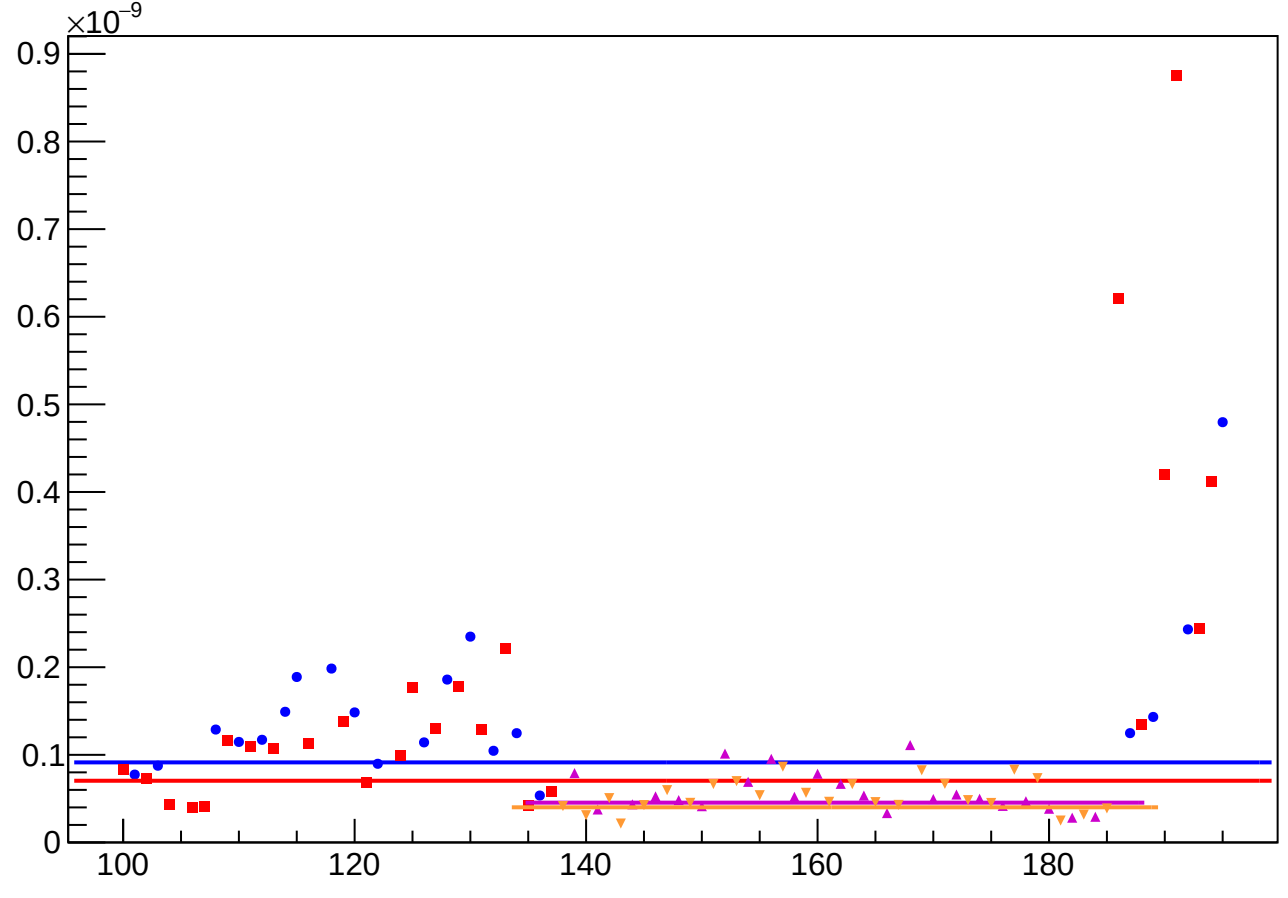
In: 194.864+/-0.029 χ^2/NDF:9439631.3/42

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 22.7/19
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.5/24
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 45.9/44
In: 0.000+/-0.000 χ²/NDF:46.2/42
Out: 0.000+/-0.000 χ²/NDF:61.2/49
All: 0.000+/-0.000 χ²/NDF: 107.4/92

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: 2636191.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4282007.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

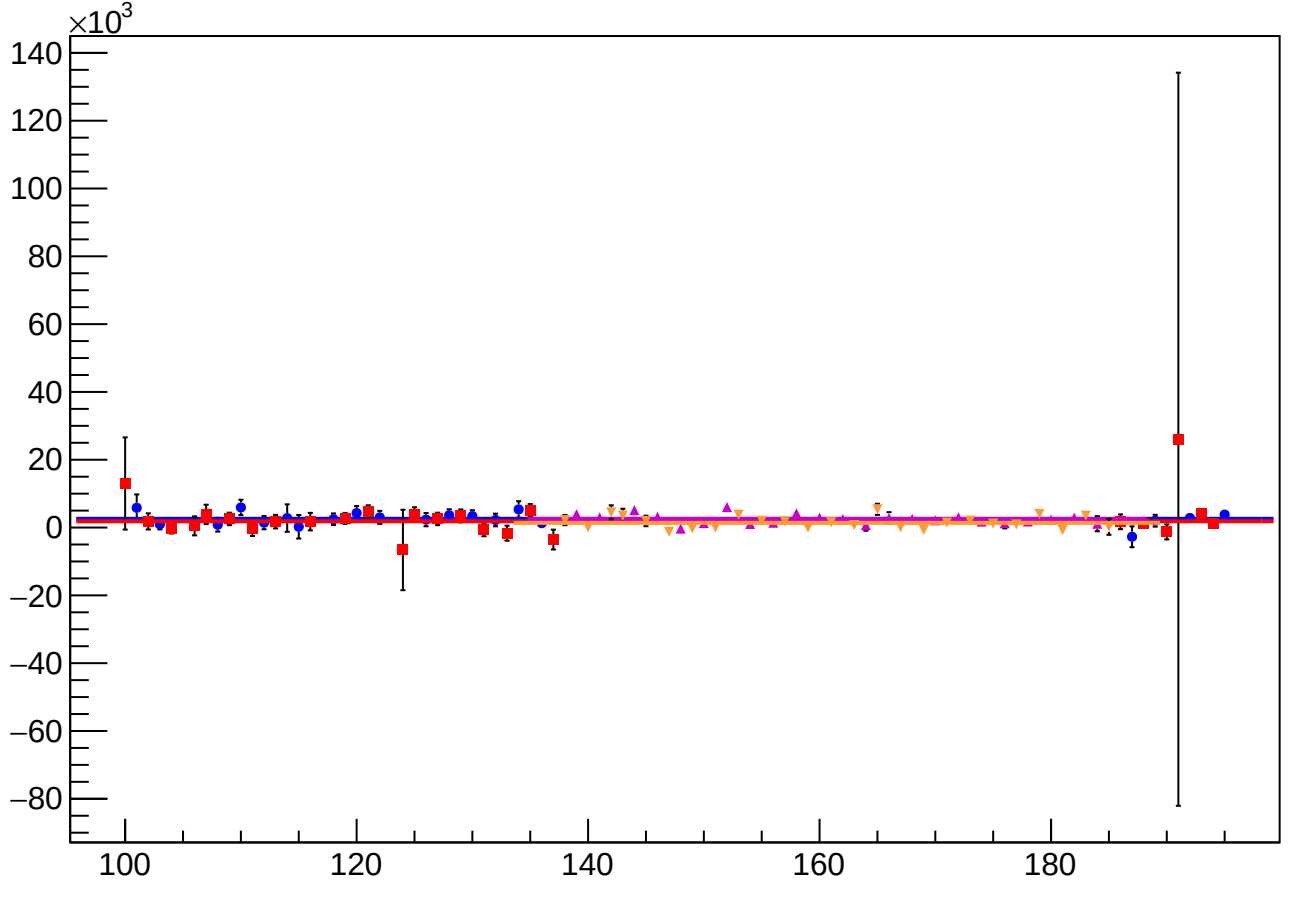
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7225102.3/44

In: 0.000+/-0.000 χ^2/NDF:7612218.6/42

Out: 0.000+/-0.000 χ^2/NDF:9333664.0/49

All: 0.000+/-0.000 χ^2/NDF: 17199676.8/92



Right In: 2573.701+/-423.050 χ^2/NDF: 12.9/19

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1843.212+/-407.598 χ^2/NDF: 24.4/24

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

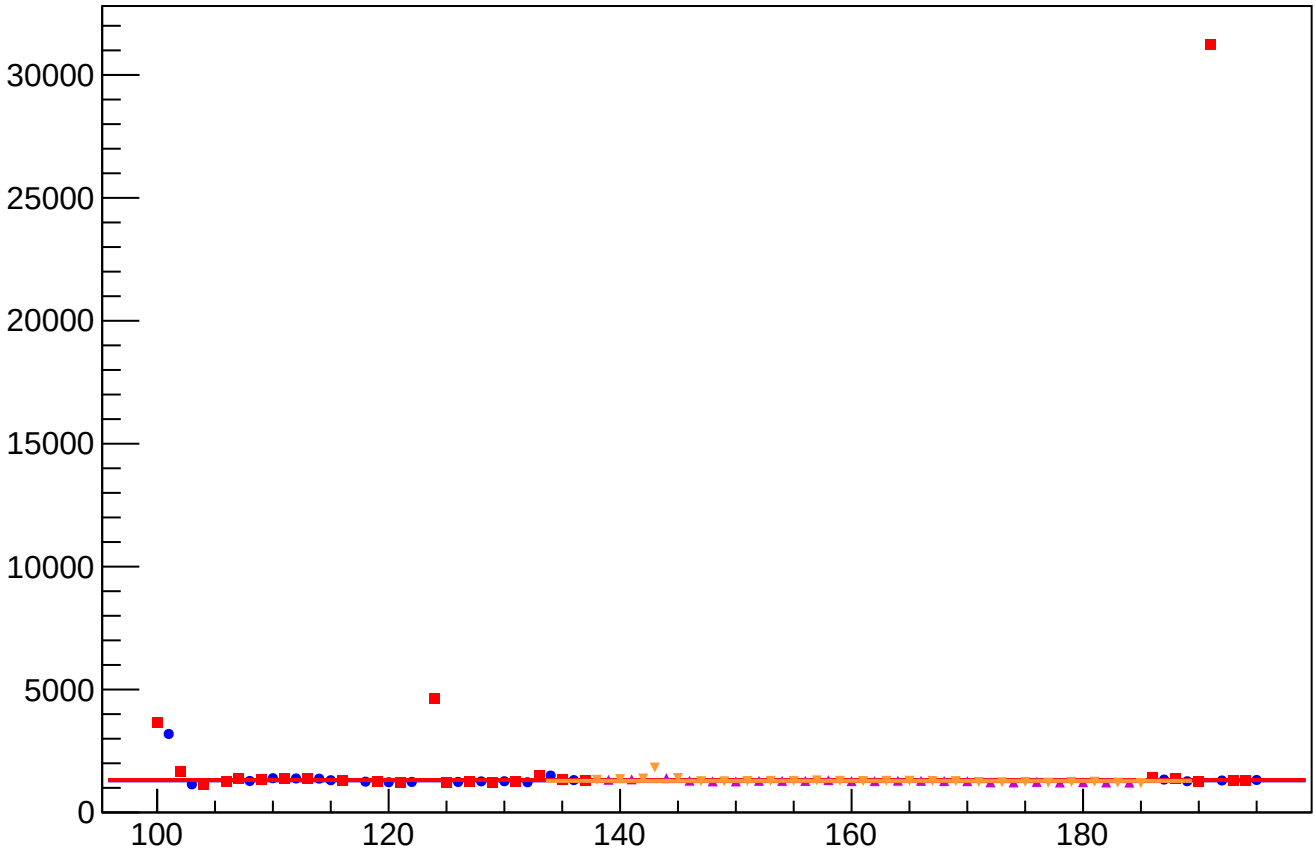
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2194.872+/-293.526 χ^2/NDF: 38.9/44

In: 2537.392+/-243.678 χ^2/NDF:35.4/42

Out: 1539.799+/-237.790 χ^2/NDF:58.2/49

All: 2026.398+/-170.186 χ^2/NDF: 102.2/92



Right In: 1305.913+/-0.299 χ^2/NDF: 517620.6/19

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.125+/-0.288 χ^2/NDF: 488350.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

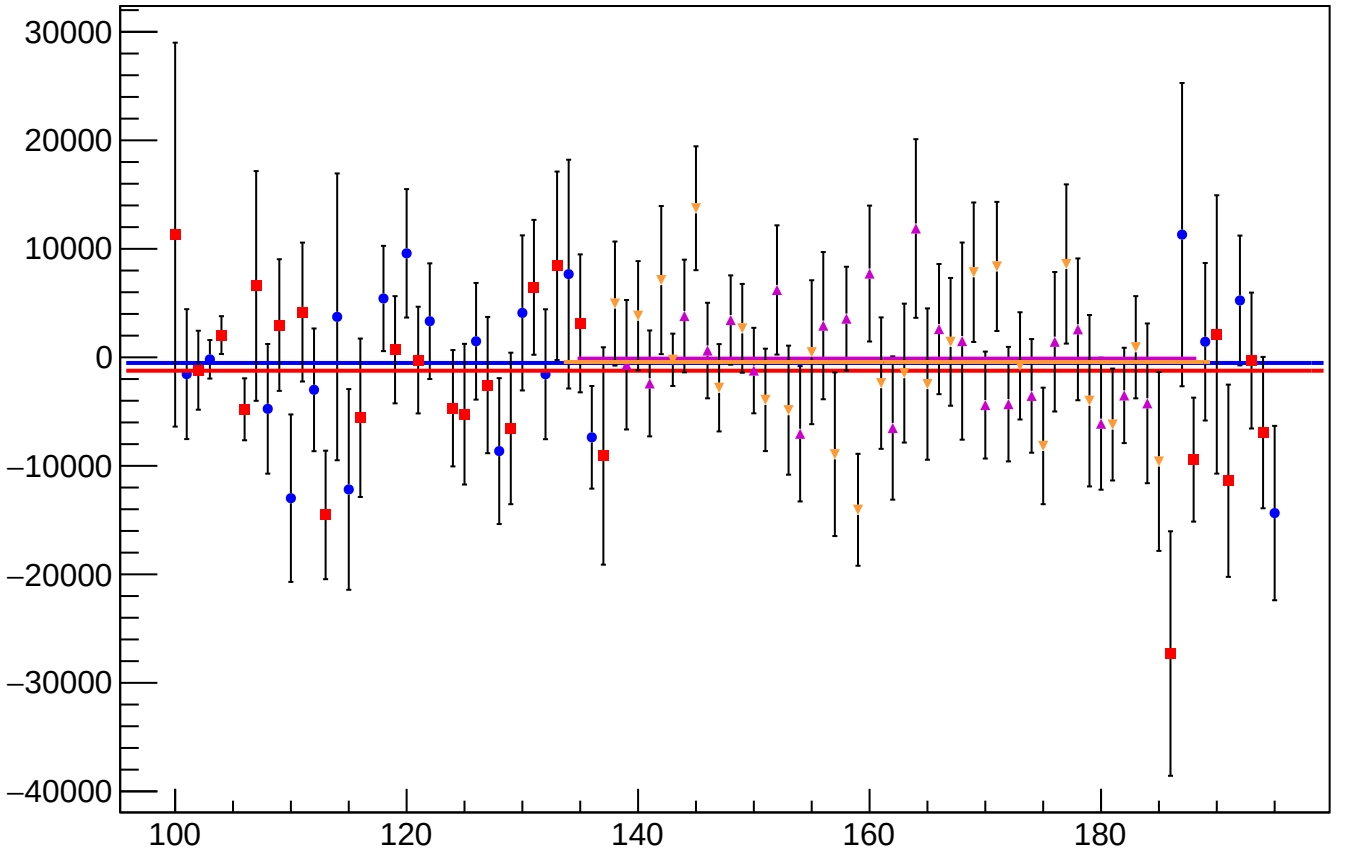
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1312.777+/-0.207 χ^2/NDF: 1006984.0/44

In: 1285.885+/-0.172 χ^2/NDF:565728.0/42

Out: 1297.070+/-0.168 χ^2/NDF:688298.0/49

All: 1291.618+/-0.120 χ^2/NDF: 1256185.8/92



Right In: -518.361+/-1139.350 χ^2/NDF: 19.4/19

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1233.680+/-999.445 χ^2/NDF: 27.7/24

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

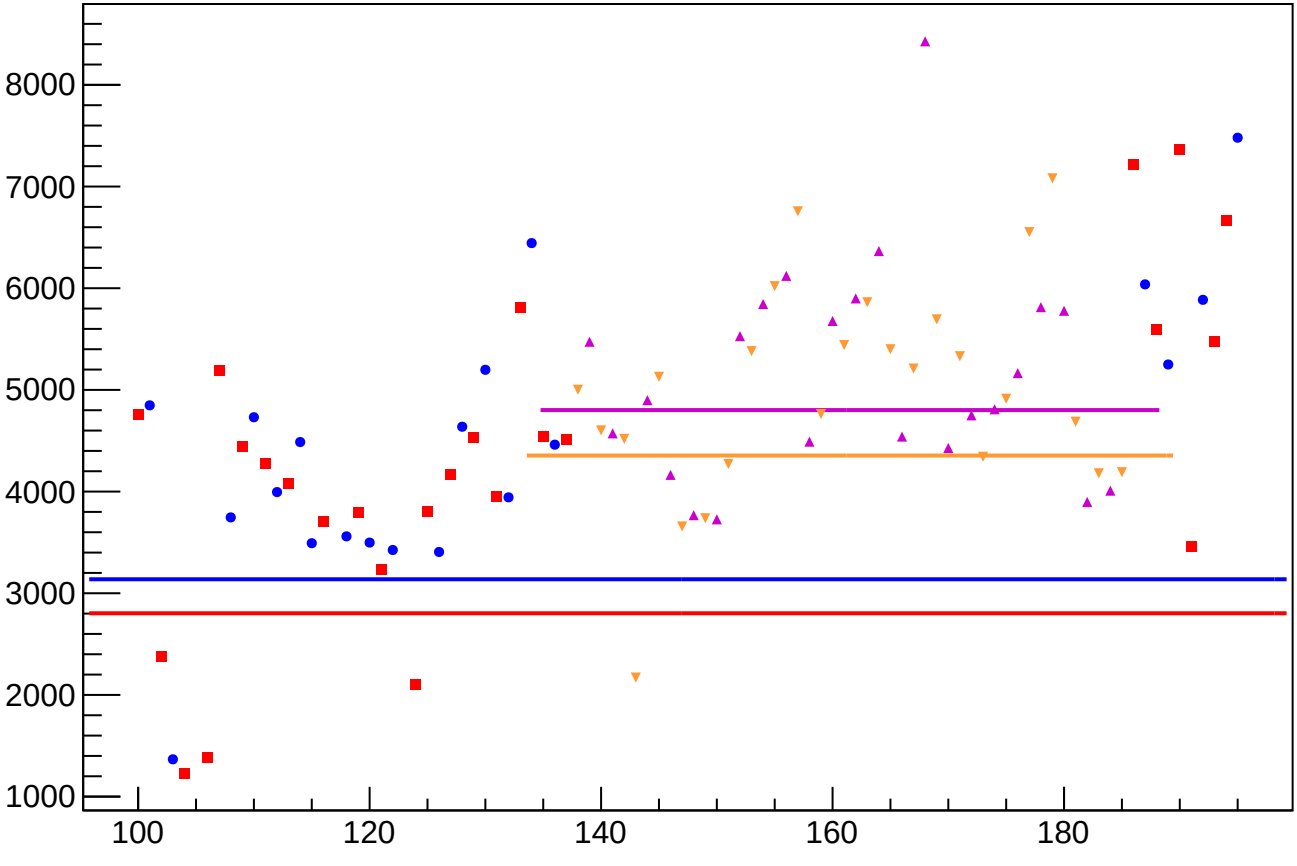
Right: -922.612+/-751.337 χ^2/NDF: 47.3/44

In: -319.782+/-807.525 χ^2/NDF:33.1/42

Out: -846.351+/-719.971 χ^2/NDF:57.8/49

All: -613.150+/-537.395 χ^2/NDF: 91.1/92

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3137.584+/-0.806 χ^2/NDF: 4279873.5/19

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2803.201+/-0.707 χ^2/NDF: 5588255.3/24

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

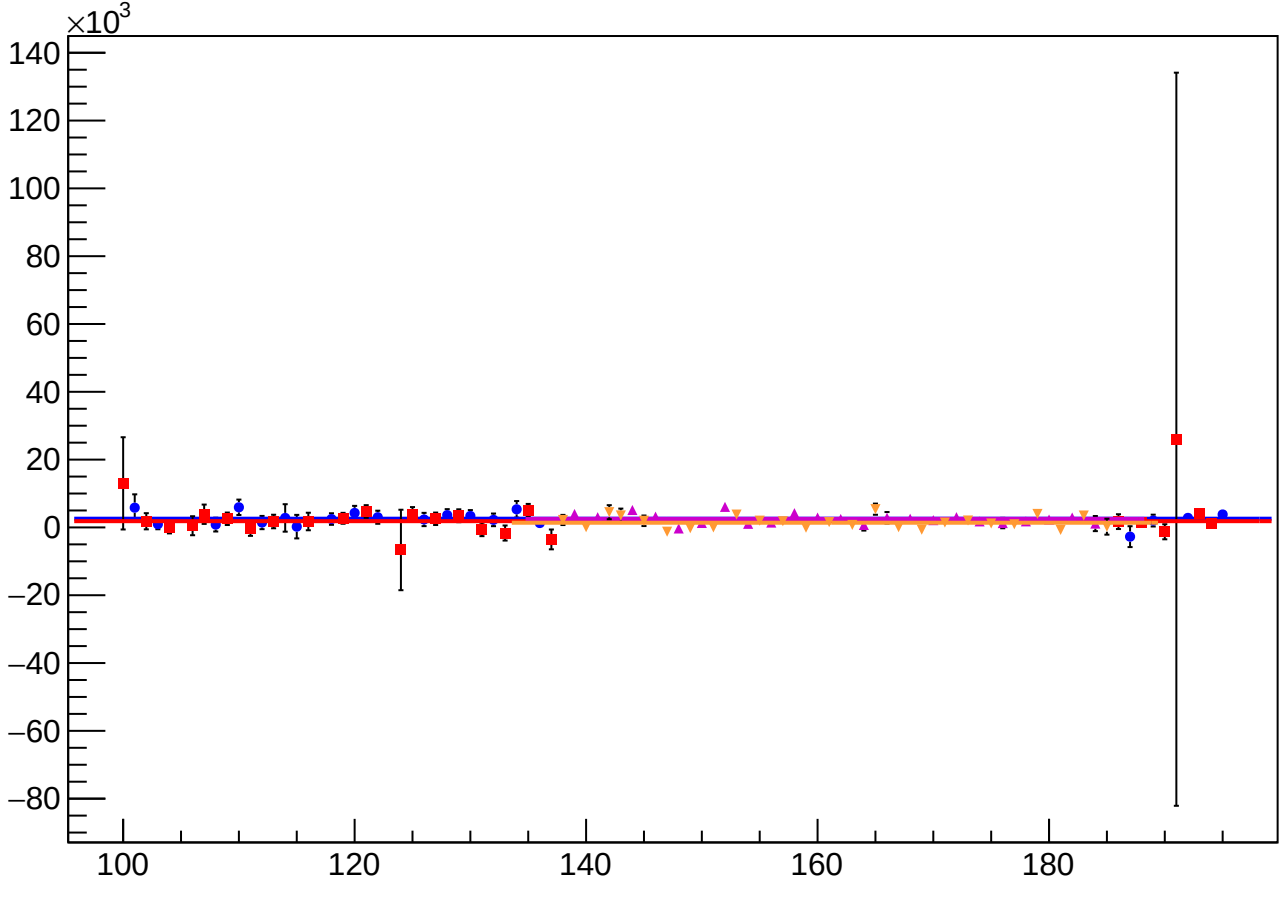
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 2948.613+/-0.531 χ^2/NDF: 9965483.3/44

In: 3965.684+/-0.571 χ^2/NDF:7634752.3/42

Out: 3549.489+/-0.509 χ^2/NDF:10977737.9/49

All: 3733.809+/-0.380 χ^2/NDF: 18908474.5/9



Right In: 2573.530+/-423.050 χ^2/NDF: 12.9/19

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1843.025+/-407.598 χ^2/NDF: 24.4/24

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

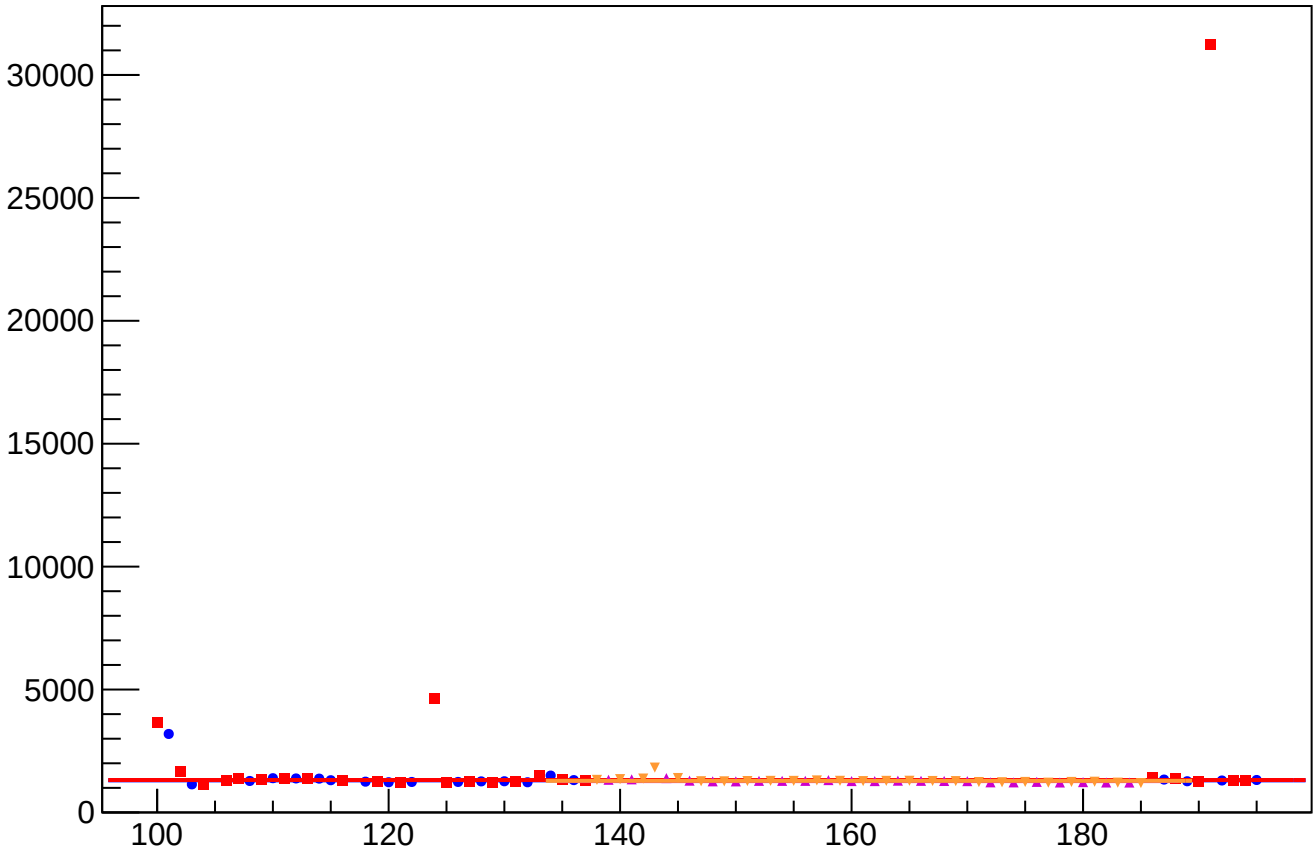
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2194.692+/-293.526 χ^2/NDF: 38.9/44

In: 2537.337+/-243.678 χ^2/NDF:35.4/42

Out: 1539.693+/-237.790 χ^2/NDF:58.2/49

All: 2026.317+/-170.186 χ^2/NDF: 102.2/92



Right In: 1305.913+/-0.299 χ^2/NDF: 517622.1/19

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.896+/-0.288 χ^2/NDF: 487802.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

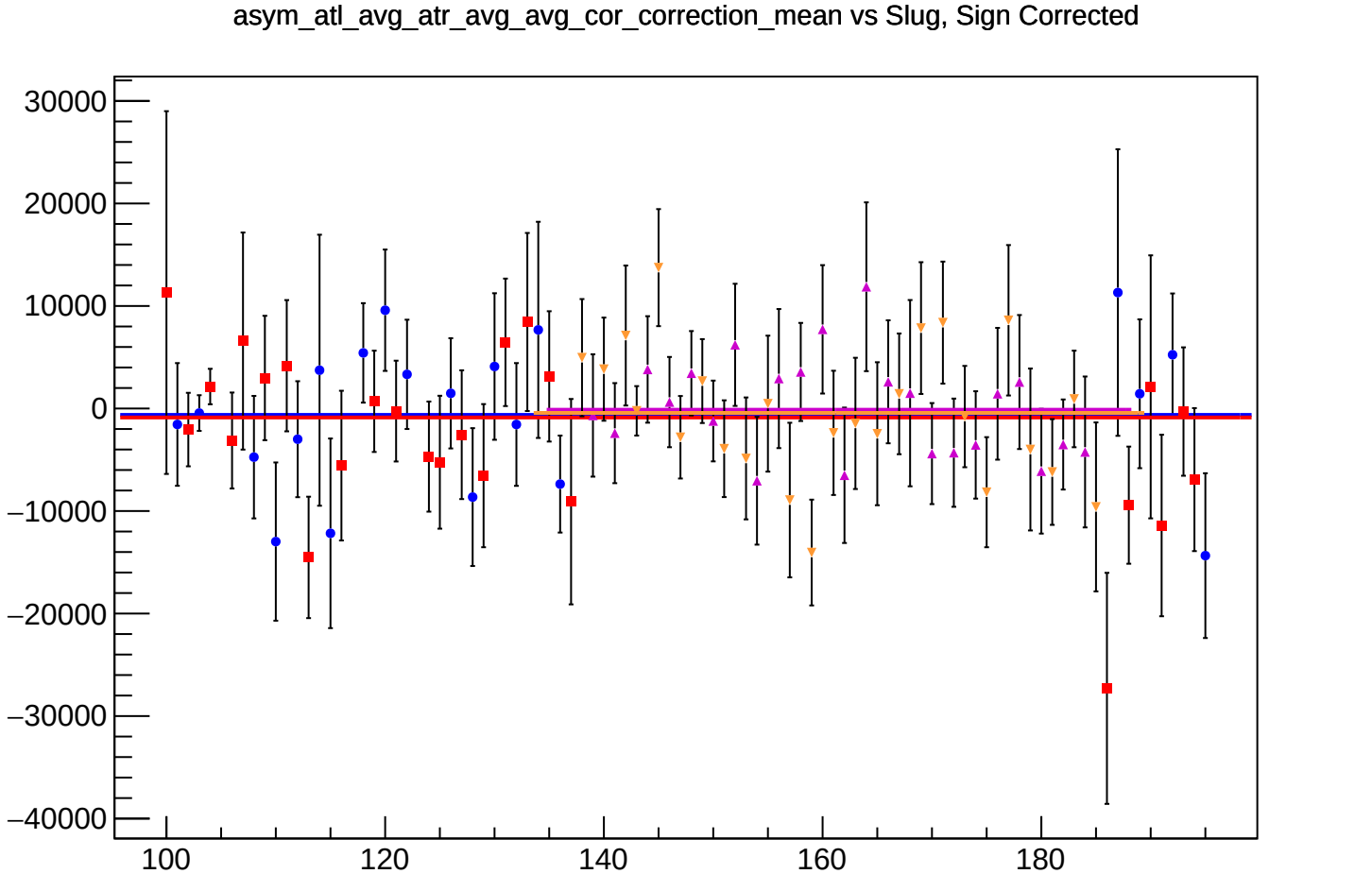
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1313.174+/-0.207 χ^2/NDF: 1006558.7/44

In: 1285.885+/-0.172 χ^2/NDF:565729.4/42

Out: 1297.325+/-0.168 χ^2/NDF:688158.9/49

All: 1291.747+/-0.120 χ^2/NDF: 1256147.3/92



Right In: -623.020+/-1130.252 χ^2/NDF: 19.4/19

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -875.835+/-1035.524 χ^2/NDF: 26.5/24

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

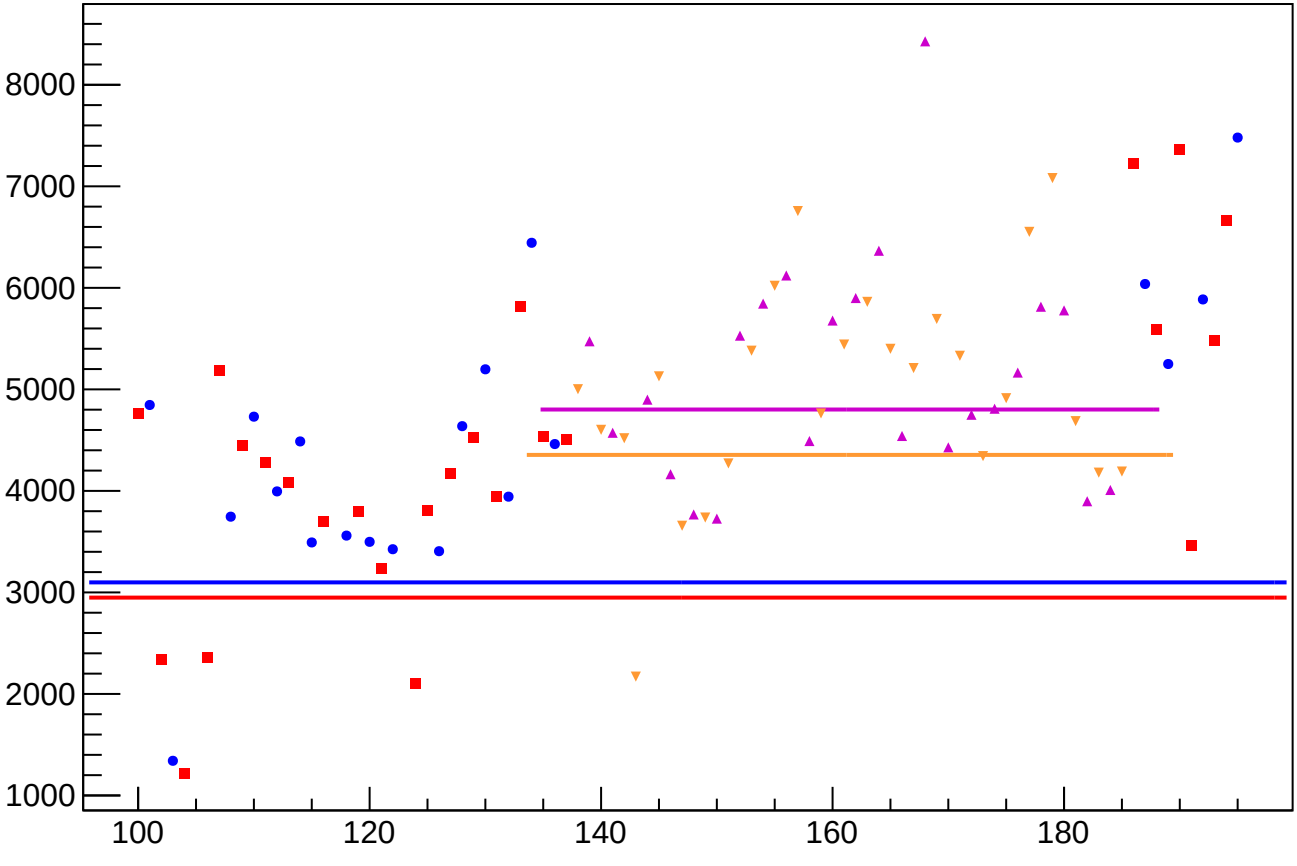
Right: -760.464+/-763.523 χ^2/NDF: 45.9/44

In: -374.361+/-804.266 χ^2/NDF:33.1/42

Out: -652.722+/-733.113 χ^2/NDF:56.4/49

All: -526.397+/-541.801 χ^2/NDF: 89.6/92

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3098.800+/-0.799 χ^2/NDF: 4414683.5/19

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2948.919+/-0.732 χ^2/NDF: 5135636.7/24

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

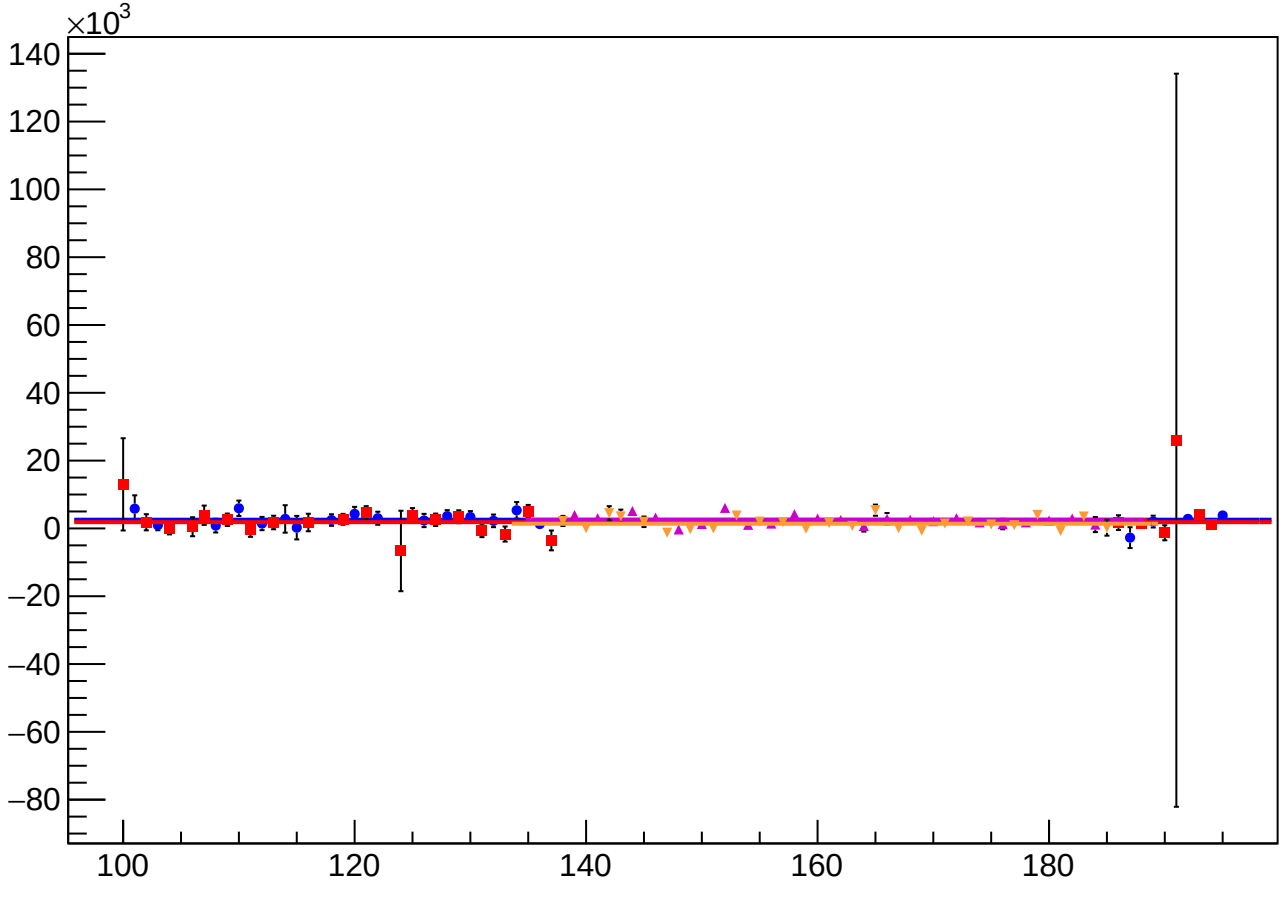
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3017.317+/-0.540 χ^2/NDF: 9569440.4/44

In: 3939.375+/-0.569 χ^2/NDF:7887424.3/42

Out: 3650.012+/-0.518 χ^2/NDF:10045161.4/49

All: 3781.330+/-0.383 χ^2/NDF: 18073987.2/9



Right In: 2573.530+/-423.050 χ^2/NDF: 12.9/19

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1843.025+/-407.598 χ^2/NDF: 24.4/24

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

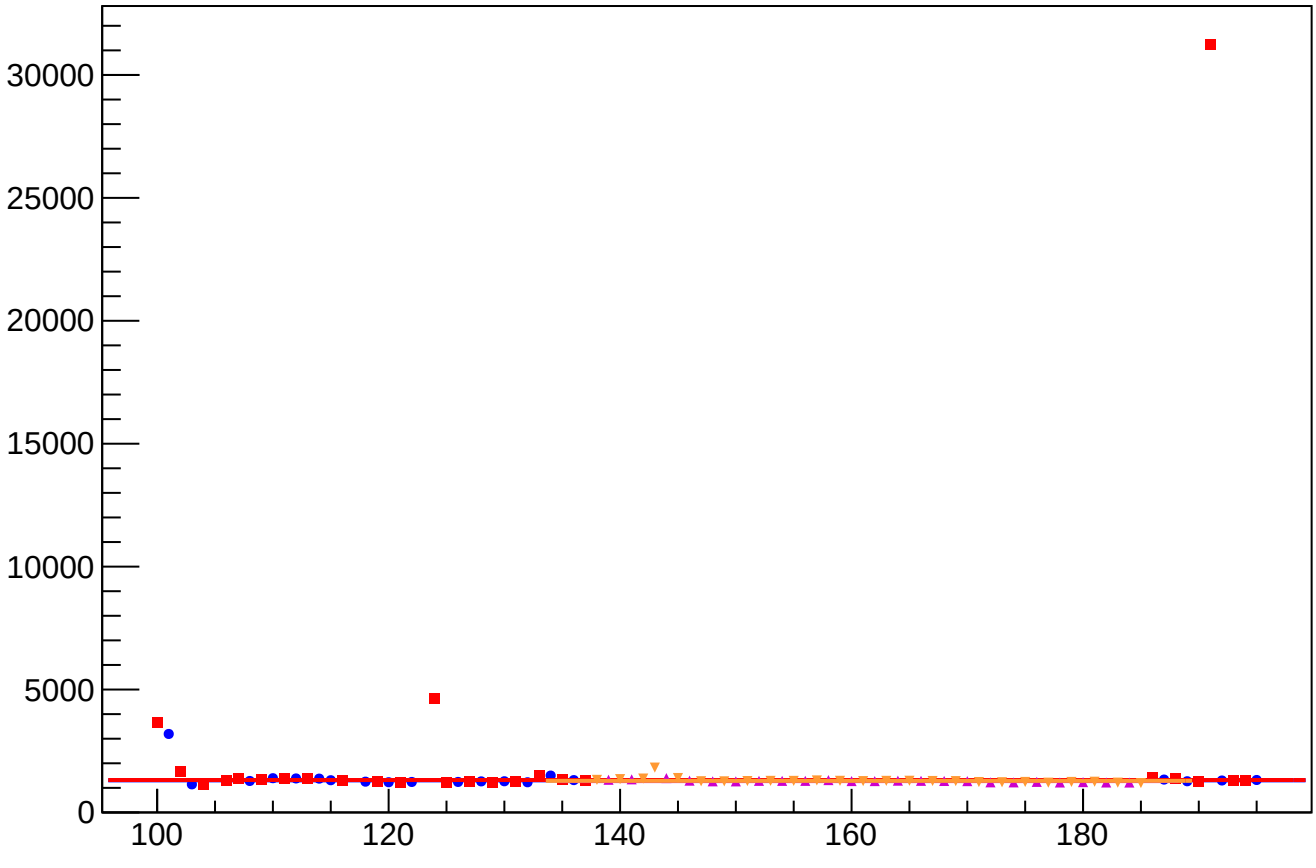
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2194.692+/-293.526 χ^2/NDF: 38.9/44

In: 2537.337+/-243.678 χ^2/NDF:35.4/42

Out: 1539.693+/-237.790 χ^2/NDF:58.2/49

All: 2026.317+/-170.186 χ^2/NDF: 102.2/92



Right In: 1305.913+/-0.299 χ^2/NDF: 517622.1/19

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.896+/-0.288 χ^2/NDF: 487802.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

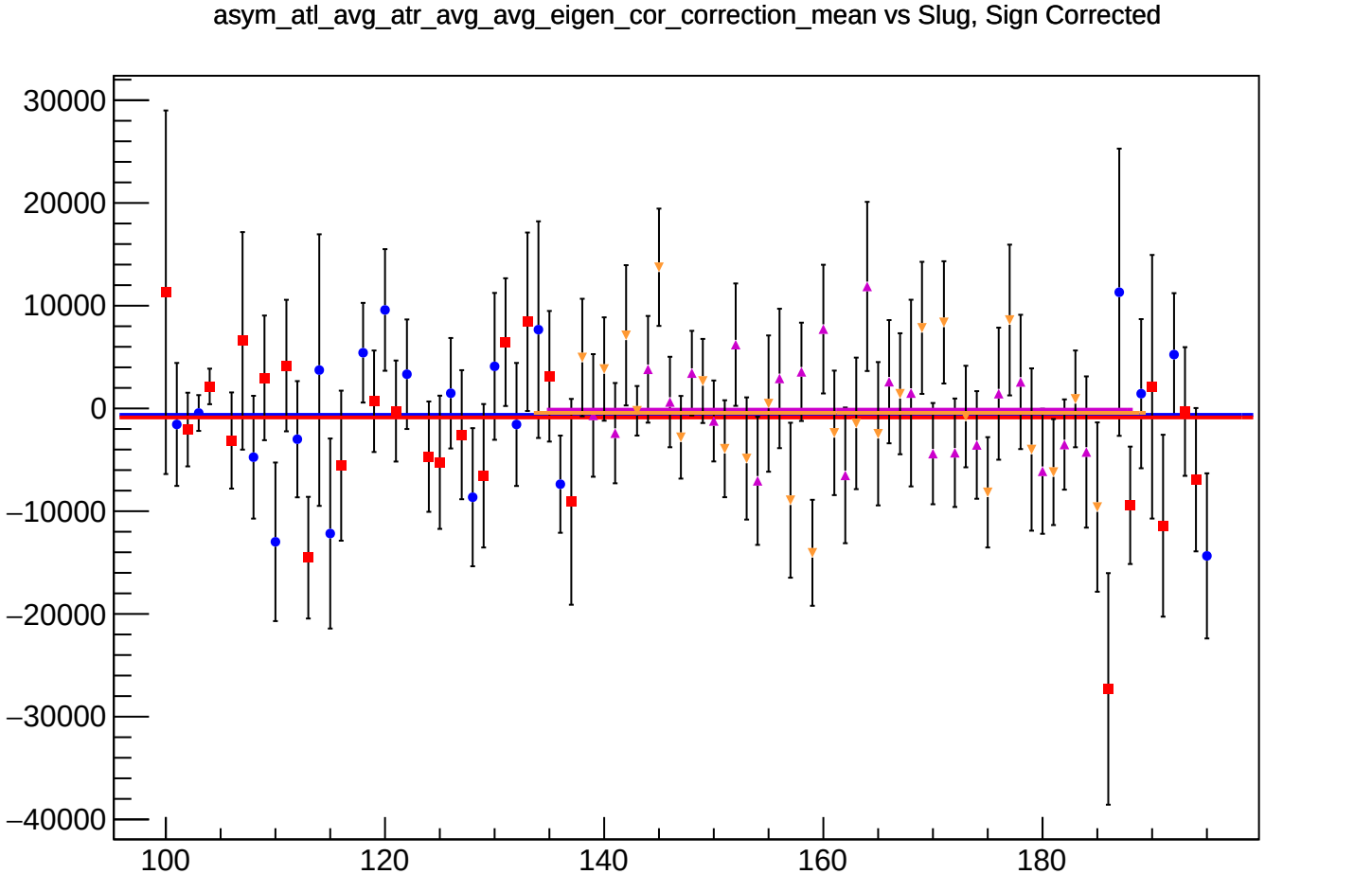
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1313.174+/-0.207 χ^2/NDF: 1006558.7/44

In: 1285.885+/-0.172 χ^2/NDF:565729.4/42

Out: 1297.325+/-0.168 χ^2/NDF:688158.9/49

All: 1291.747+/-0.120 χ^2/NDF: 1256147.3/92



Right In: -623.020+/-1130.252 χ^2/NDF: 19.4/19

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -875.835+/-1035.524 χ^2/NDF: 26.5/24

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

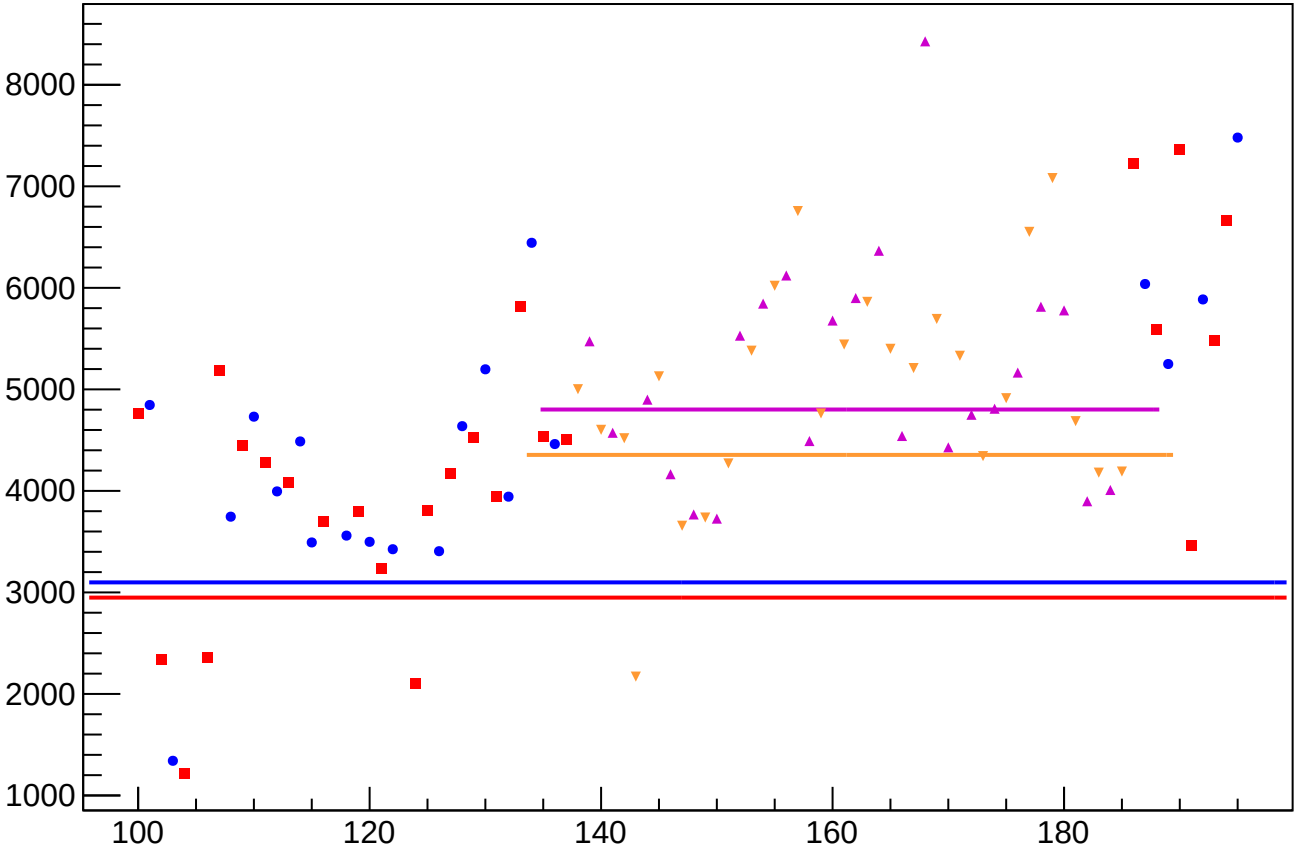
Right: -760.464+/-763.523 χ^2/NDF: 45.9/44

In: -374.361+/-804.266 χ^2/NDF:33.1/42

Out: -652.722+/-733.113 χ^2/NDF:56.4/49

All: -526.397+/-541.801 χ^2/NDF: 89.6/92

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3098.800+/-0.799 χ^2/NDF: 4414683.5/19

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2948.919+/-0.732 χ^2/NDF: 5135636.7/24

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

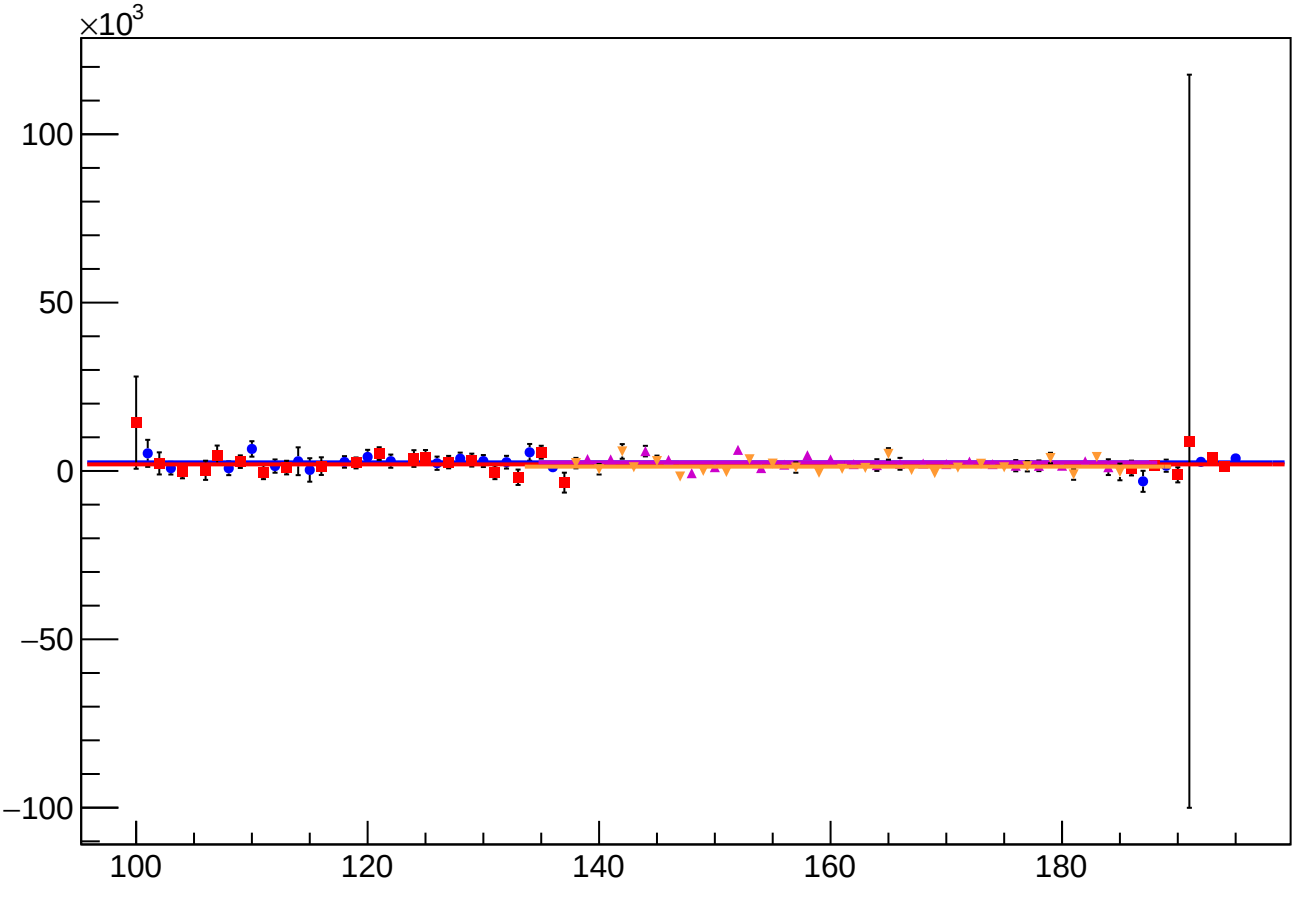
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3017.317+/-0.540 χ^2/NDF: 9569440.4/44

In: 3939.375+/-0.569 χ^2/NDF:7887424.3/42

Out: 3650.012+/-0.518 χ^2/NDF:10045161.4/49

All: 3781.330+/-0.383 χ^2/NDF: 18073987.2/9



Right In: 2557.843+/-436.203 χ^2/NDF: 13.6/19

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 1958.674+/-414.965 χ^2/NDF: 25.5/24

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

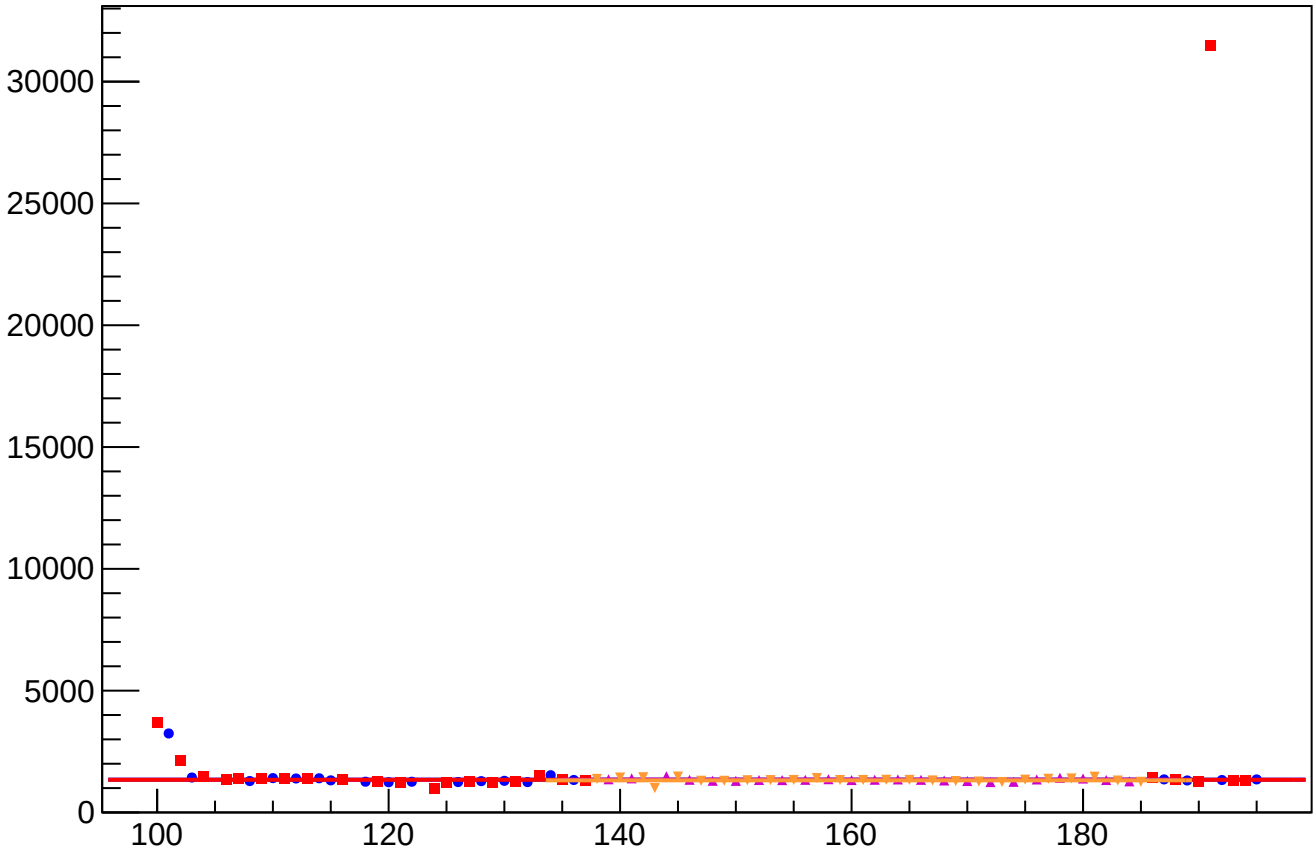
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2243.318+/-300.652 χ^2/NDF: 40.0/44

In: 2540.641+/-254.244 χ^2/NDF:38.6/42

Out: 1516.398+/-243.401 χ^2/NDF:60.6/49

All: 2006.214+/-175.819 χ^2/NDF: 107.6/92



Right In: 1346.890+/-0.308 χ^2/NDF: 495186.4/19

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1341.289+/-0.293 χ^2/NDF: 433226.9/24

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

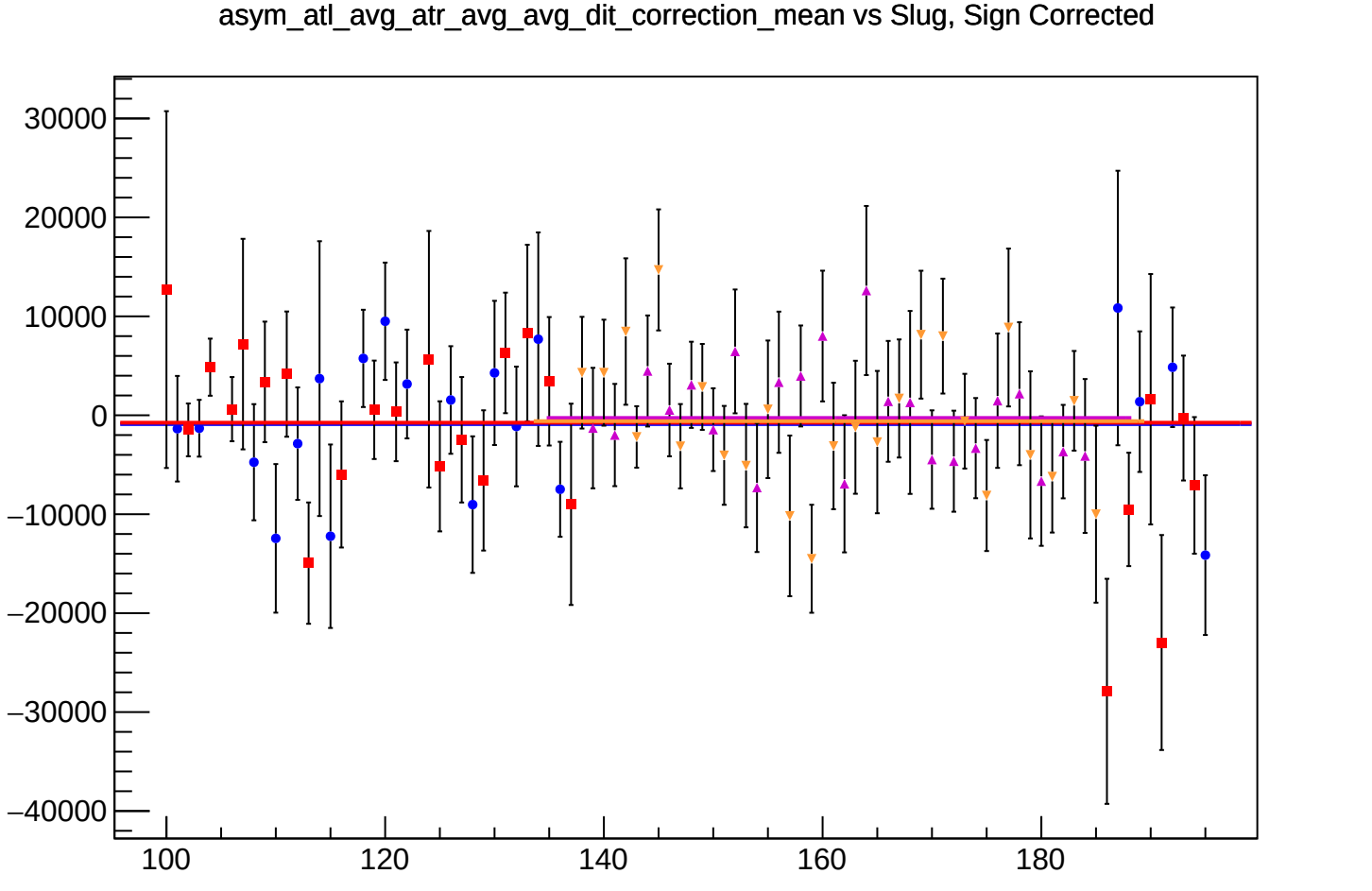
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1343.949+/-0.213 χ^2/NDF: 928586.4/44

In: 1341.418+/-0.180 χ^2/NDF:549911.6/42

Out: 1326.131+/-0.172 χ^2/NDF:685847.6/49

All: 1333.441+/-0.124 χ^2/NDF: 1239532.1/92



Right In: -888.914+/-1319.102 χ^2/NDF: 19.0/19

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -750.890+/-1124.701 χ^2/NDF: 30.2/24

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

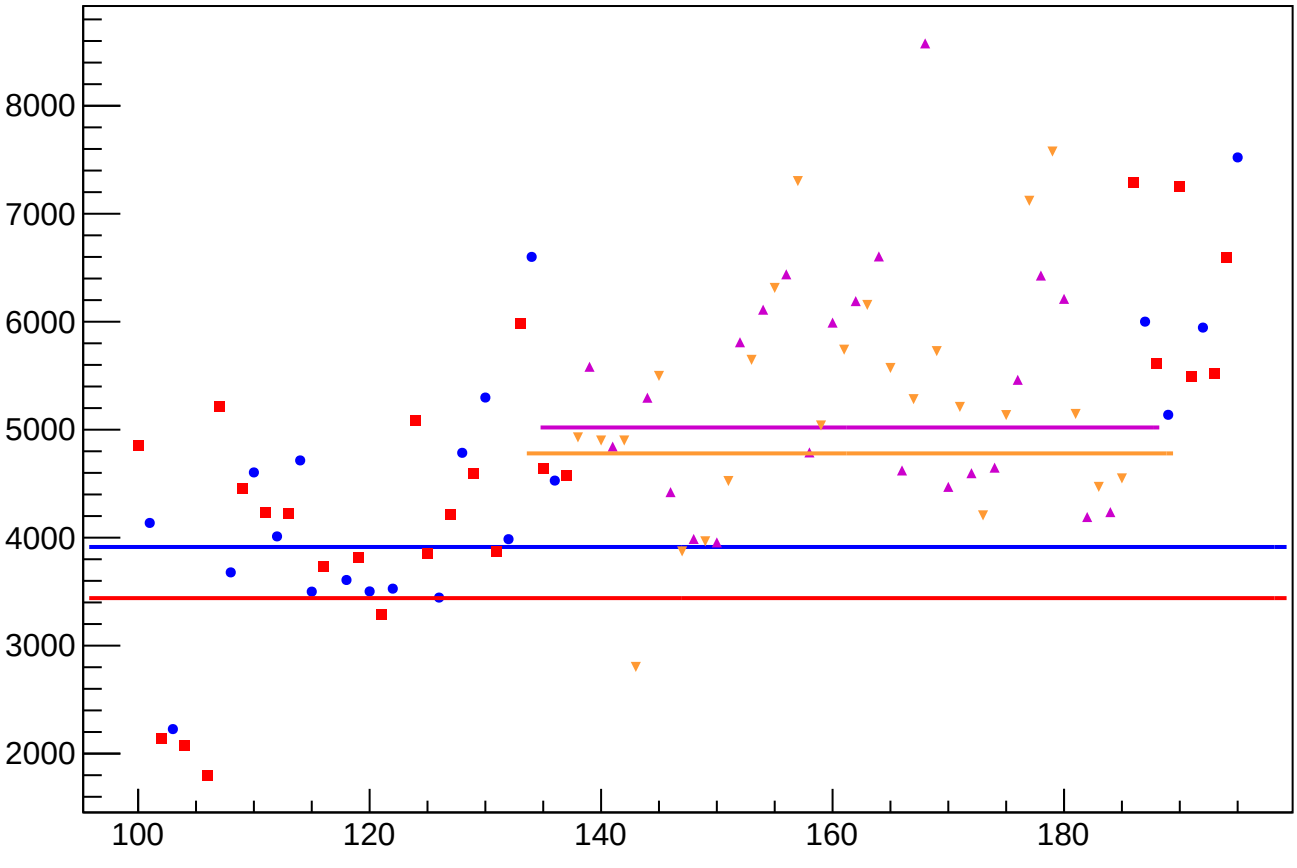
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -808.991+/-855.844 χ^2/NDF: 49.2/44

In: -551.041+/-886.359 χ^2/NDF:32.5/42

Out: -672.735+/-794.429 χ^2/NDF:59.7/49

All: -618.524+/-591.586 χ^2/NDF: 92.3/92



Right In: 3913.675+/-0.933 χ^2/NDF: 1759288.1/19

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3440.097+/-0.795 χ^2/NDF: 3433065.6/24

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

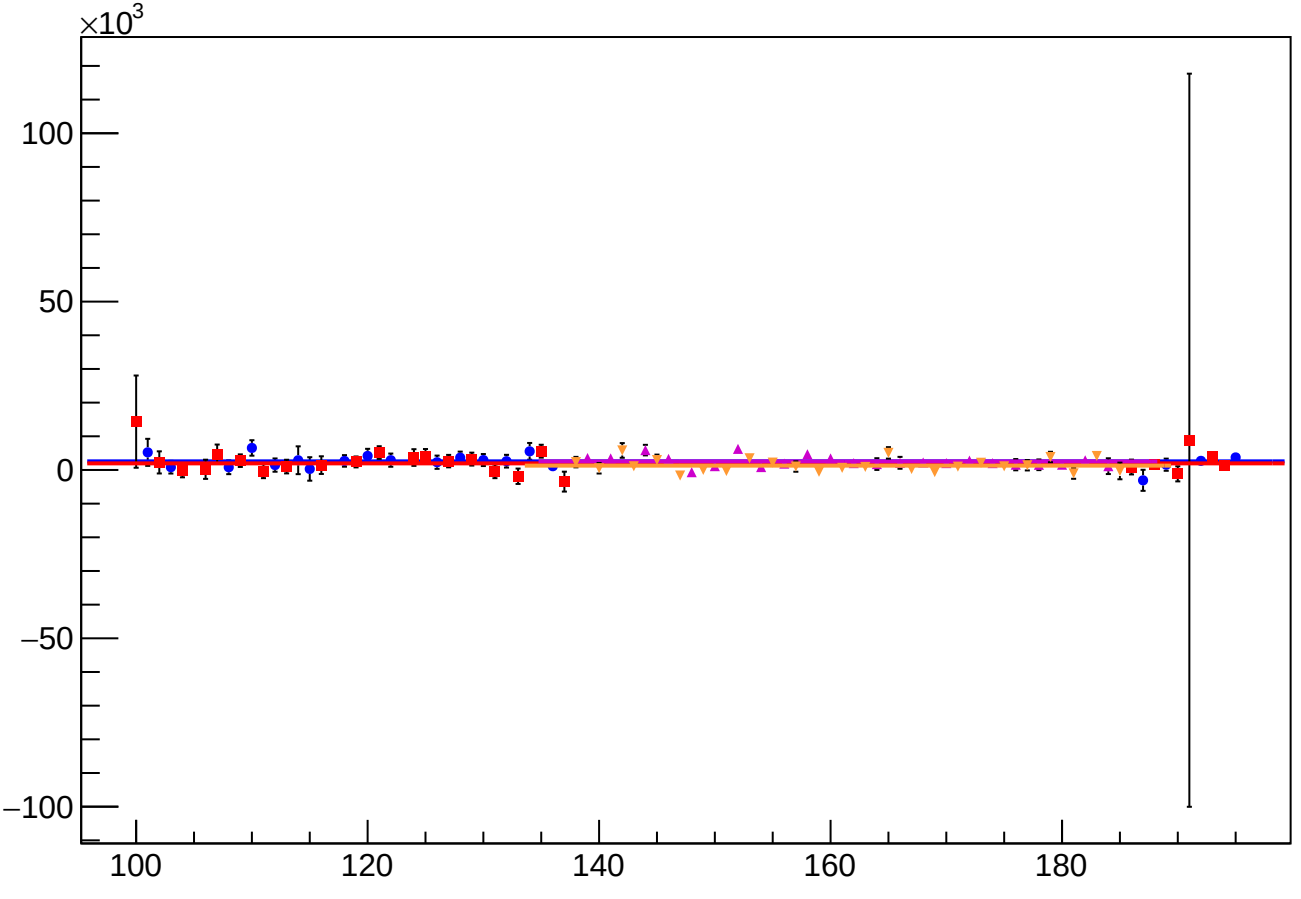
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3639.450+/-0.605 χ^2/NDF: 5341623.0/44

In: 4520.796+/-0.627 χ^2/NDF:3756795.6/42

Out: 4111.686+/-0.562 χ^2/NDF:6862496.6/49

All: 4293.932+/-0.418 χ^2/NDF: 10855566.6/9



Right In: 2557.841+/-436.203 χ^2/NDF: 13.6/19

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1958.674+/-414.965 χ^2/NDF: 25.5/24

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

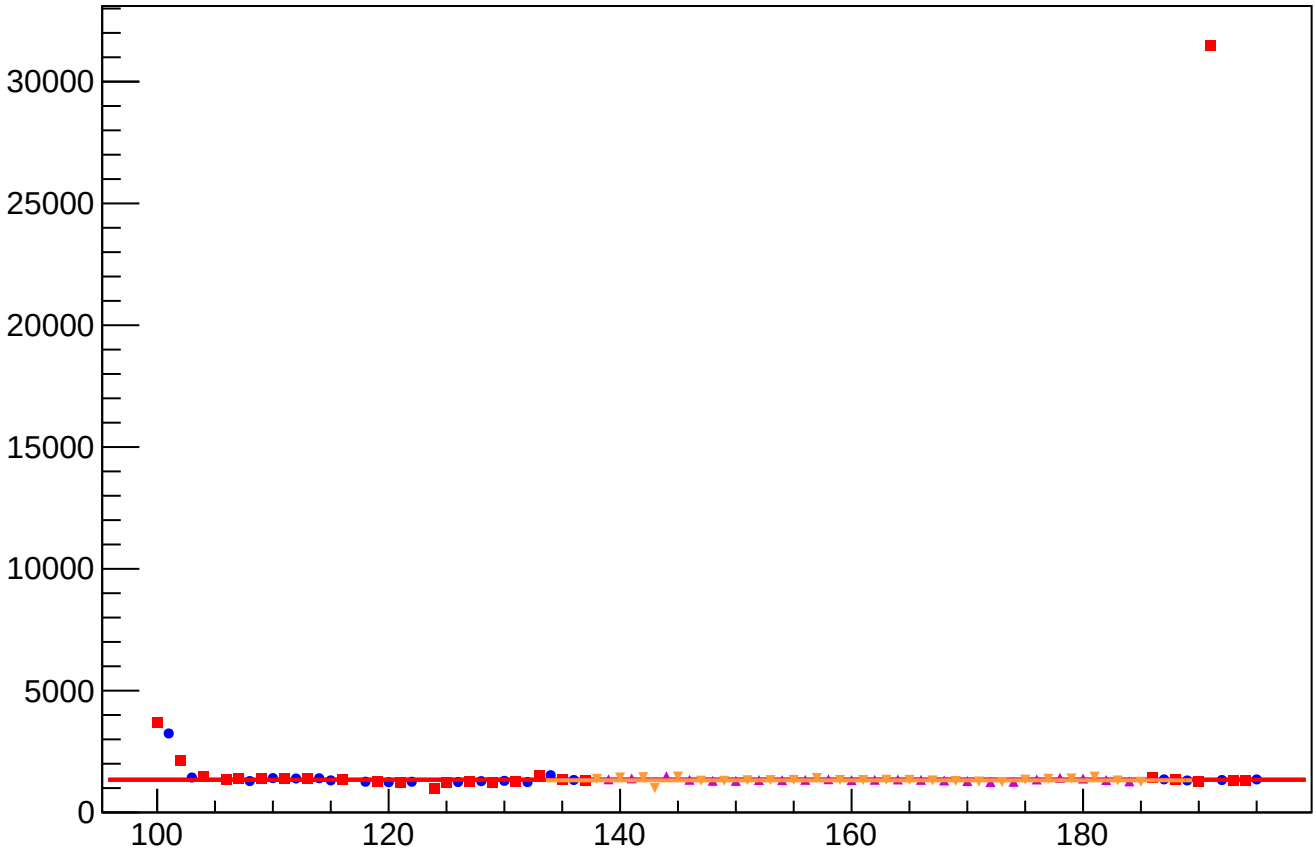
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2243.317+/-300.652 χ^2/NDF: 40.0/44

In: 2540.641+/-254.244 χ^2/NDF:38.6/42

Out: 1516.396+/-243.401 χ^2/NDF:60.6/49

All: 2006.212+/-175.819 χ^2/NDF: 107.6/92



Right In: 1346.890+/-0.308 χ^2/NDF: 495186.6/19

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1341.289+/-0.293 χ^2/NDF: 433225.8/24

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

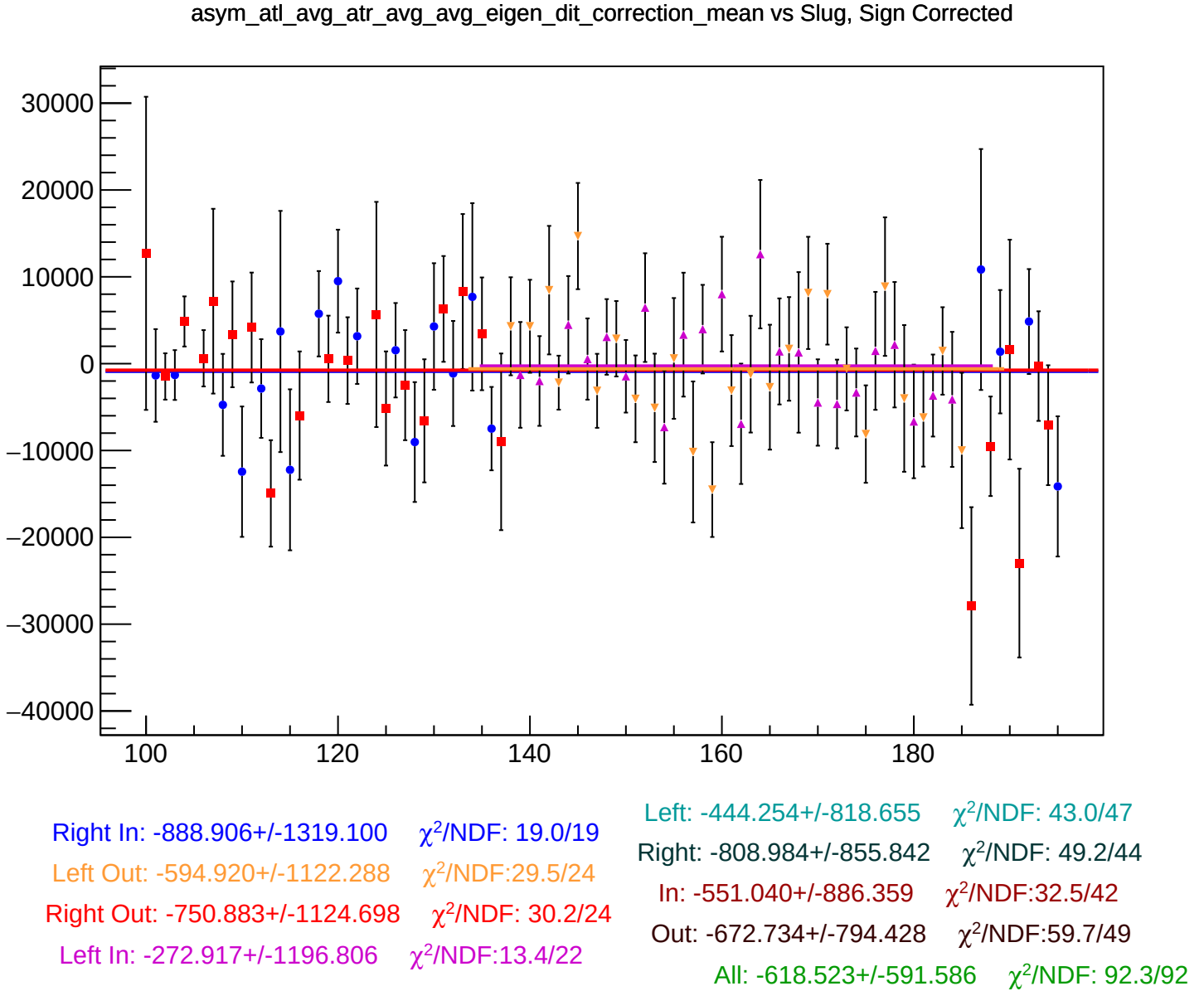
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1343.949+/-0.213 χ^2/NDF: 928585.5/44

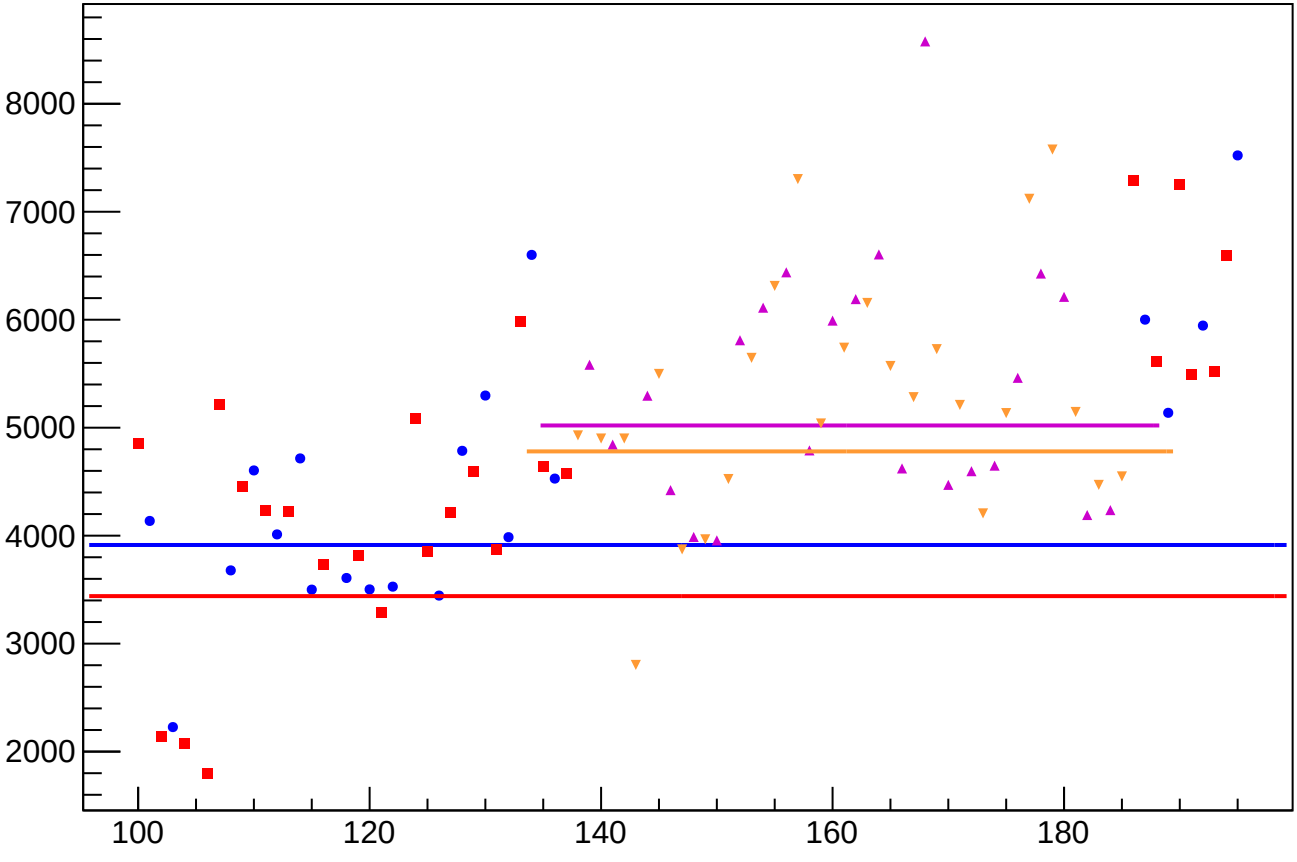
In: 1341.419+/-0.180 χ^2/NDF:549914.1/42

Out: 1326.132+/-0.172 χ^2/NDF:685848.4/49

All: 1333.441+/-0.124 χ^2/NDF: 1239535.5/92


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
Right In: -888.906+/-1319.100 χ²/NDF: 19.0/19
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -750.883+/-1124.698 χ²/NDF: 30.2/24
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -808.984+/-855.842 χ²/NDF: 49.2/44
In: -551.040+/-886.359 χ²/NDF:32.5/42
Out: -672.734+/-794.428 χ²/NDF:59.7/49
All: -618.523+/-591.586 χ²/NDF: 92.3/92

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3913.666+/-0.933 χ^2/NDF: 1759300.3/19

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3440.088+/-0.795 χ^2/NDF: 3433081.0/24

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

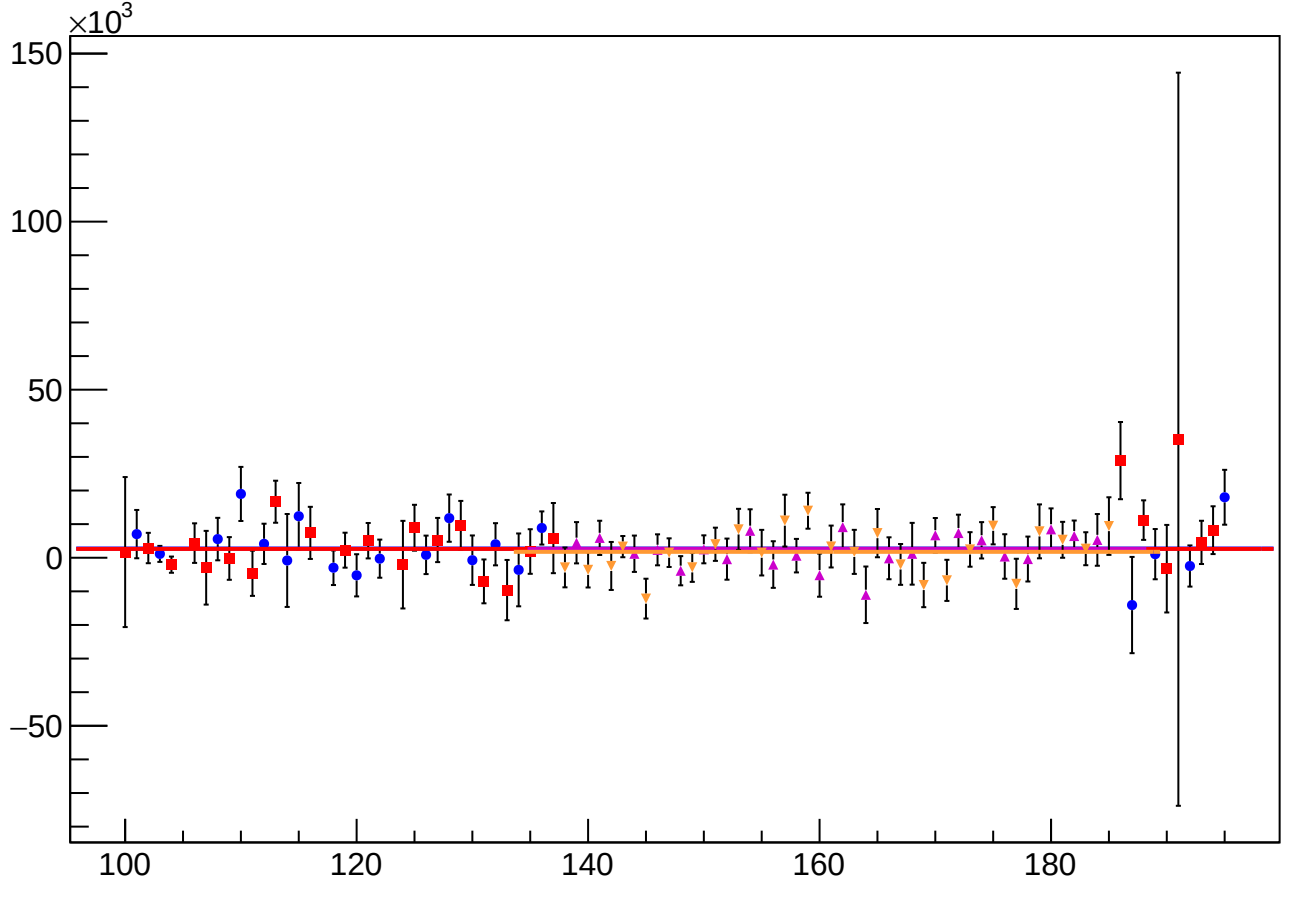
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3639.441+/-0.605 χ^2/NDF: 5341651.3/44

In: 4520.794+/-0.627 χ^2/NDF:3756834.8/42

Out: 4111.683+/-0.562 χ^2/NDF:6862549.8/49

All: 4293.929+/-0.418 χ^2/NDF: 10855660.6/9



Right In: 2739.275+/-1310.304 χ^2/NDF: 18.8/19

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2625.310+/-1244.376 χ^2/NDF: 25.7/24

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

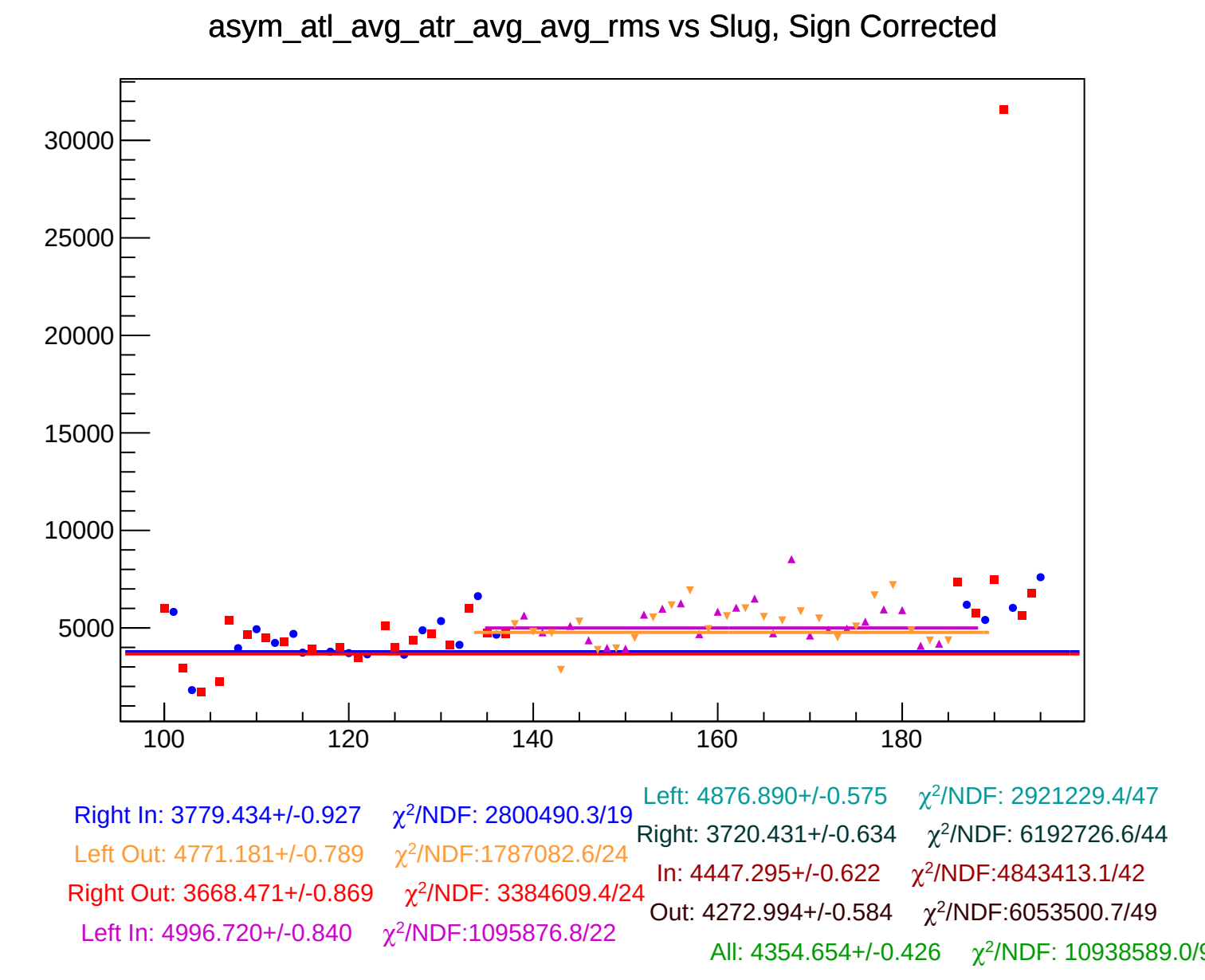
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2679.353+/-902.314 χ^2/NDF: 44.6/44

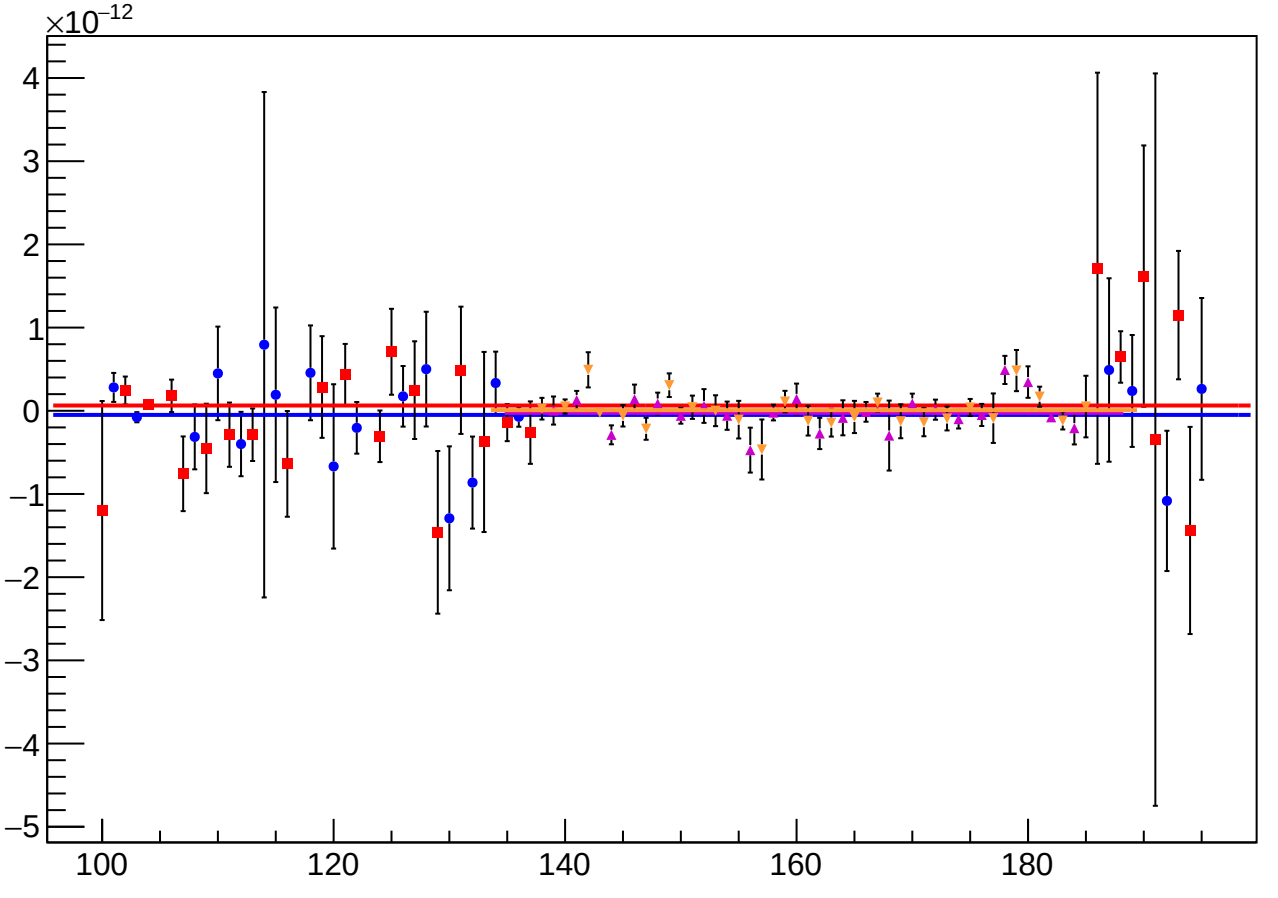
In: 2651.866+/-880.295 χ^2/NDF:32.1/42

Out: 2146.753+/-830.918 χ^2/NDF:53.7/49

All: 2384.747+/-604.250 χ^2/NDF: 85.9/92


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 3779.434+/-0.927 χ²/NDF: 2800490.3/19
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 3668.471+/-0.869 χ²/NDF: 3384609.4/24
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 3720.431+/-0.634 χ²/NDF: 6192726.6/44
In: 4447.295+/-0.622 χ²/NDF:4843413.1/42
Out: 4272.994+/-0.584 χ²/NDF:6053500.7/49
All: 4354.654+/-0.426 χ²/NDF: 10938589.0/9

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/24

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

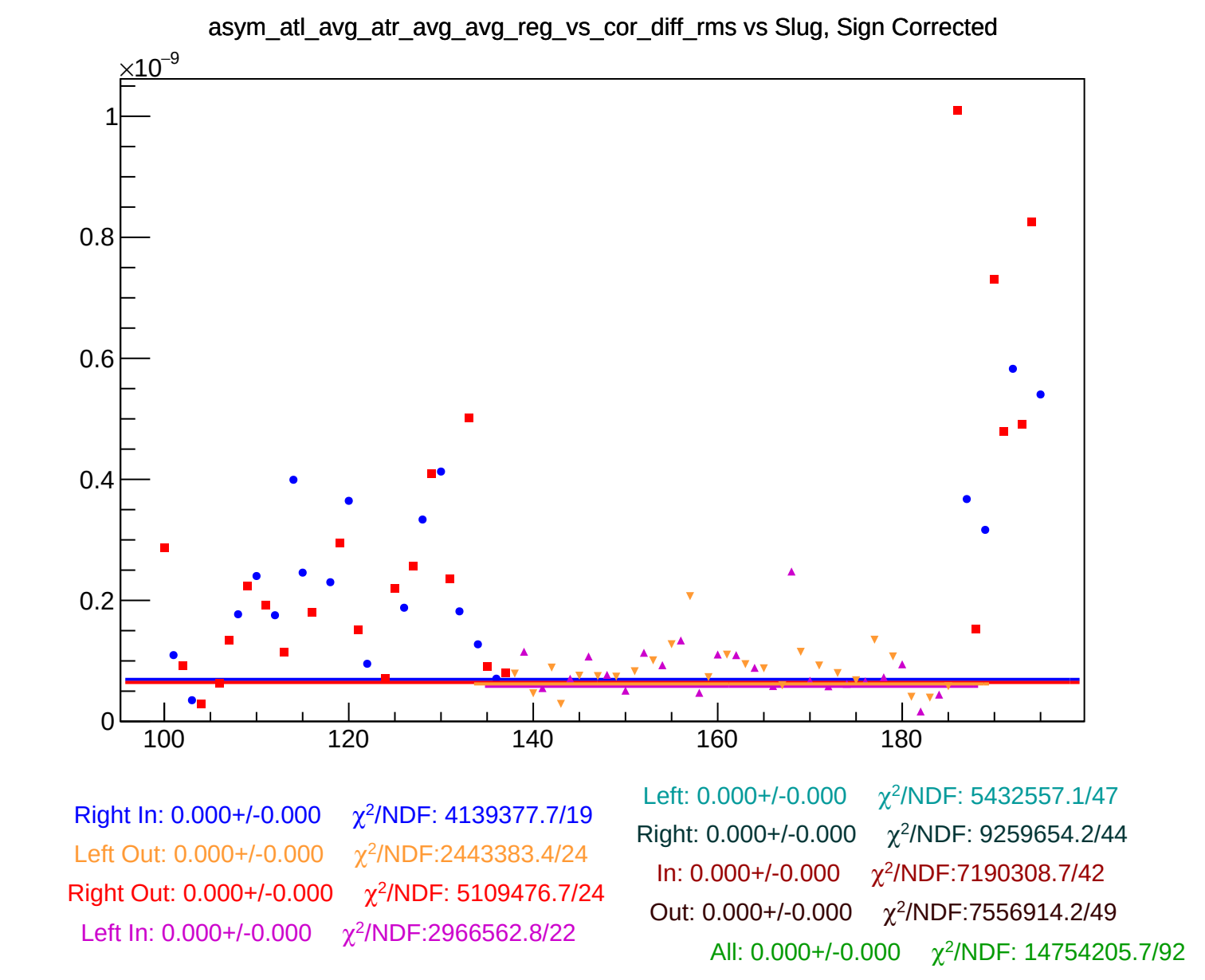
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 45.7/44

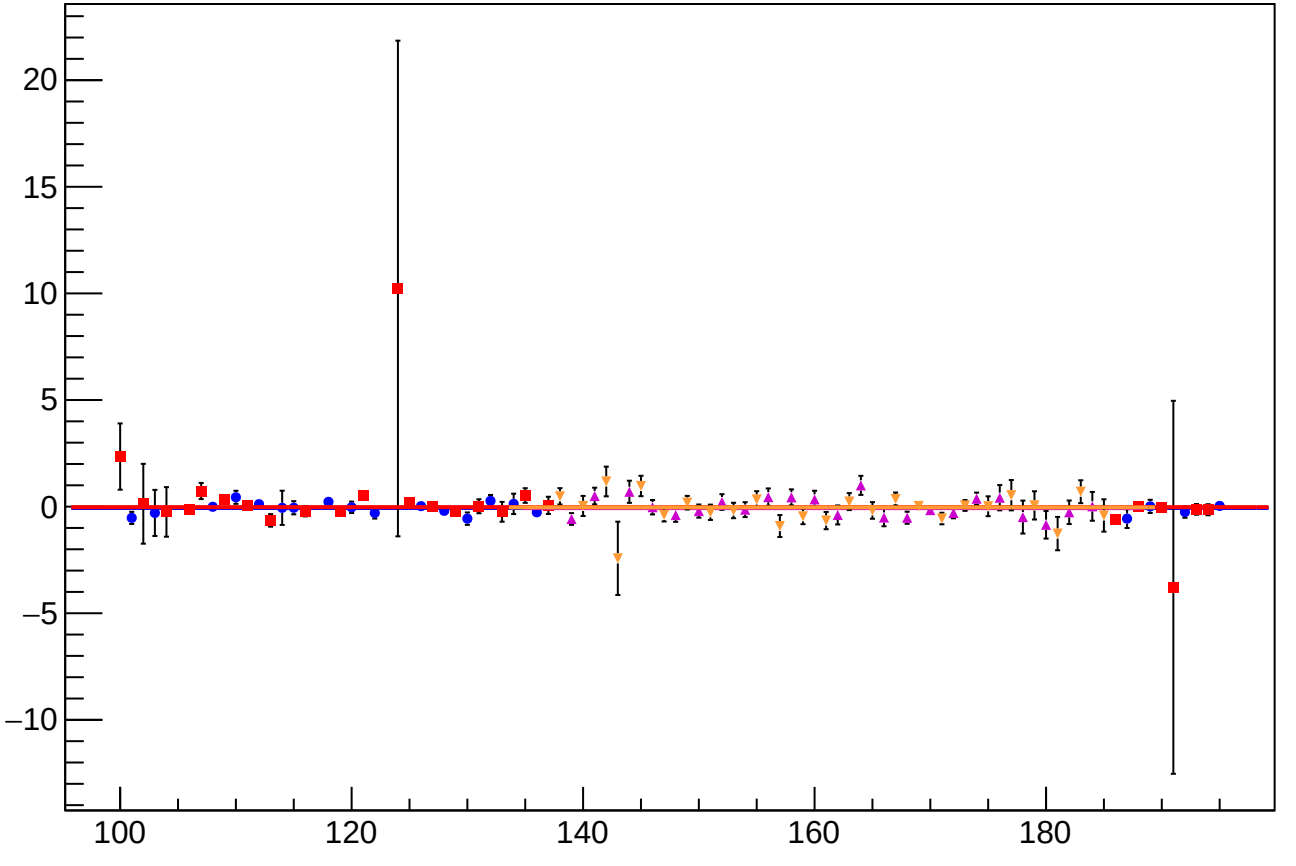
In: -0.000+/-0.000 χ^2/NDF:47.6/42

Out: 0.000+/-0.000 χ^2/NDF:55.3/49

All: -0.000+/-0.000 χ^2/NDF: 105.4/92


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4139377.7/19
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5109476.7/24
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
Left: 0.000+/-0.000 χ²/NDF: 5432557.1/47
Right: 0.000+/-0.000 χ²/NDF: 9259654.2/44
In: 0.000+/-0.000 χ²/NDF:7190308.7/42
Out: 0.000+/-0.000 χ²/NDF:7556914.2/49
All: 0.000+/-0.000 χ²/NDF: 14754205.7/92

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

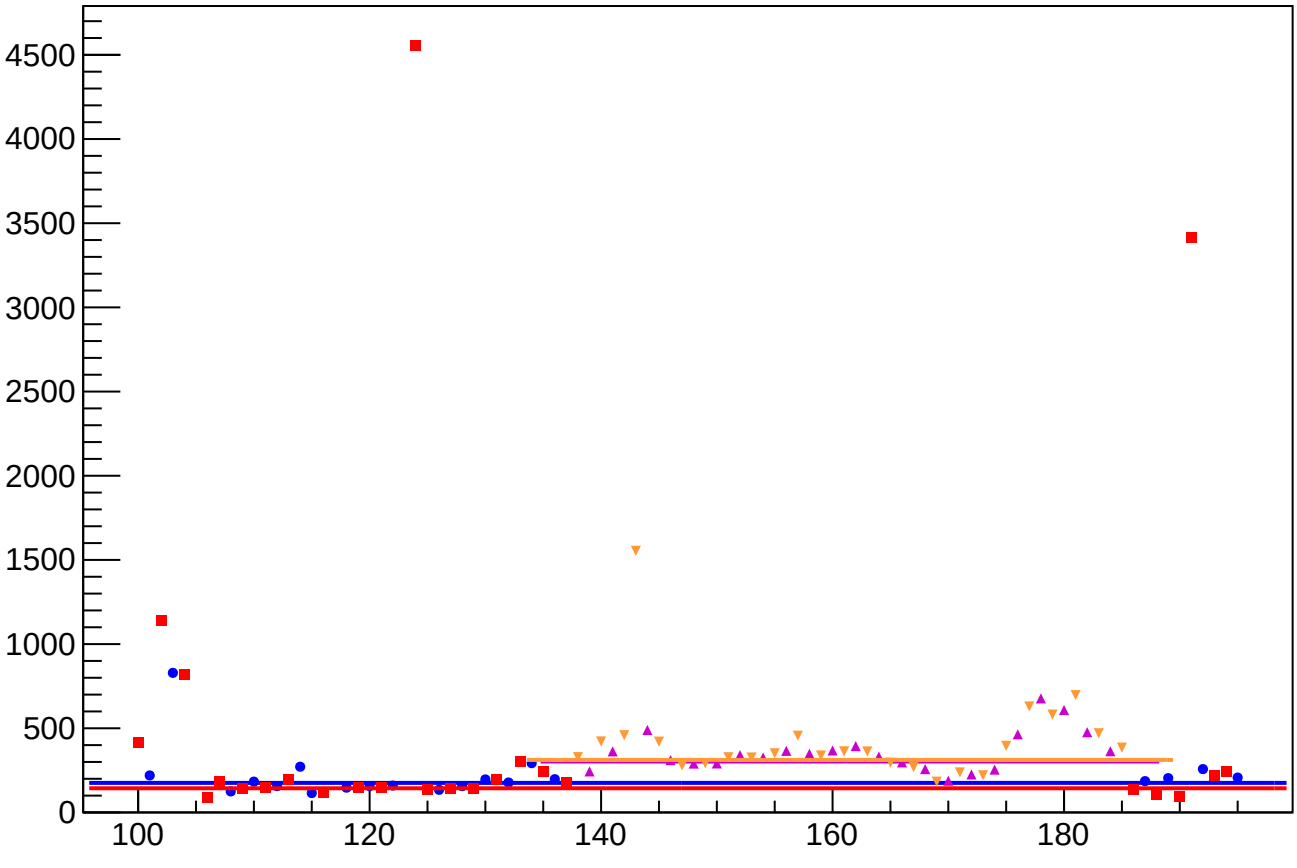
Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

Right: -0.039+/-0.038 χ^2/NDF: 53.0/44

In: -0.065+/-0.047 χ^2/NDF:46.8/42

Out: -0.027+/-0.042 χ^2/NDF:68.3/49

All: -0.044+/-0.031 χ^2/NDF: 115.5/92



Right In: 175.630+/-0.043 χ^2/NDF: 1563740.0/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 143.651+/-0.035 χ^2/NDF: 3514054.7/24

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

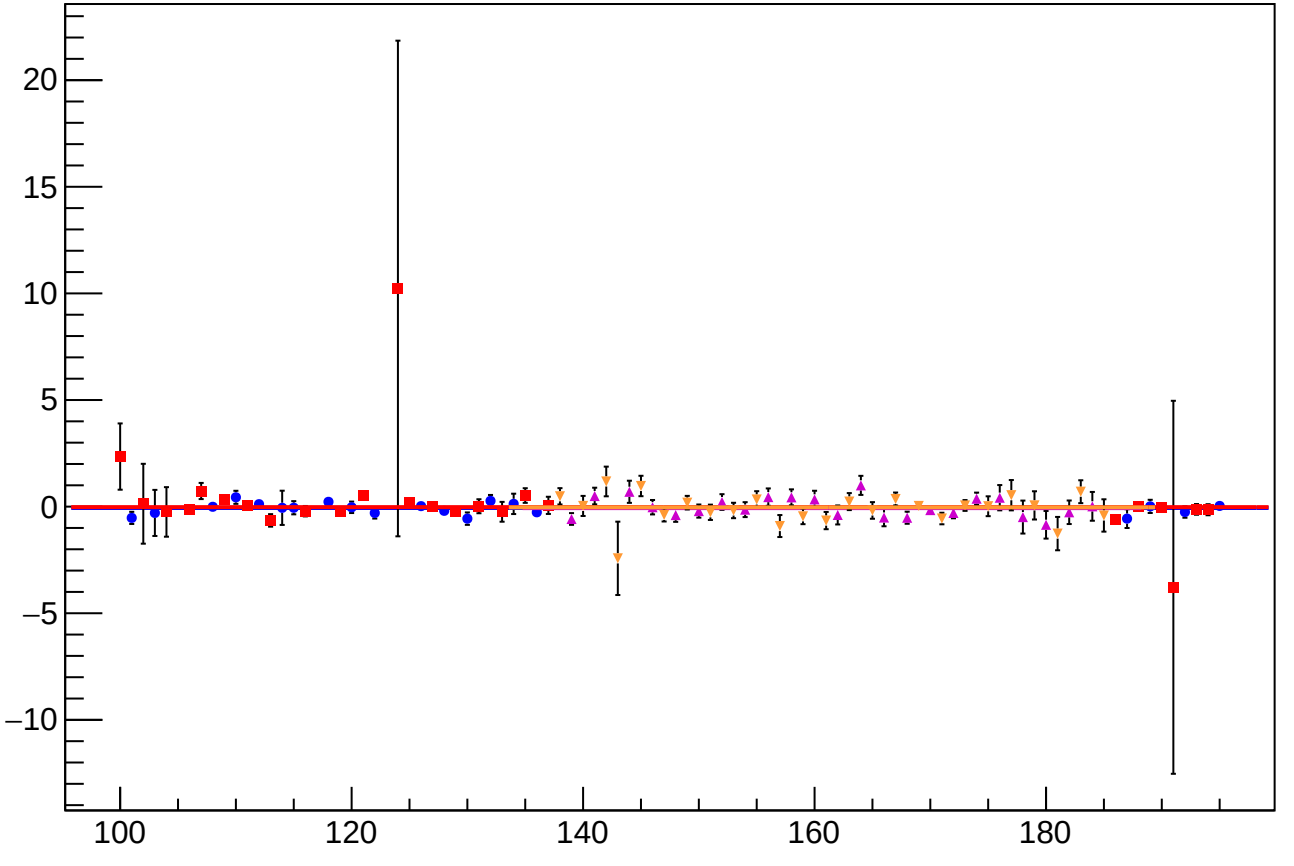
Right: 156.552+/-0.027 χ^2/NDF: 5410625.1/44

In: 225.725+/-0.033 χ^2/NDF:7836357.5/42

Out: 193.574+/-0.030 χ^2/NDF:14642954.9/49

All: 207.728+/-0.022 χ^2/NDF: 23001288.5/92

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

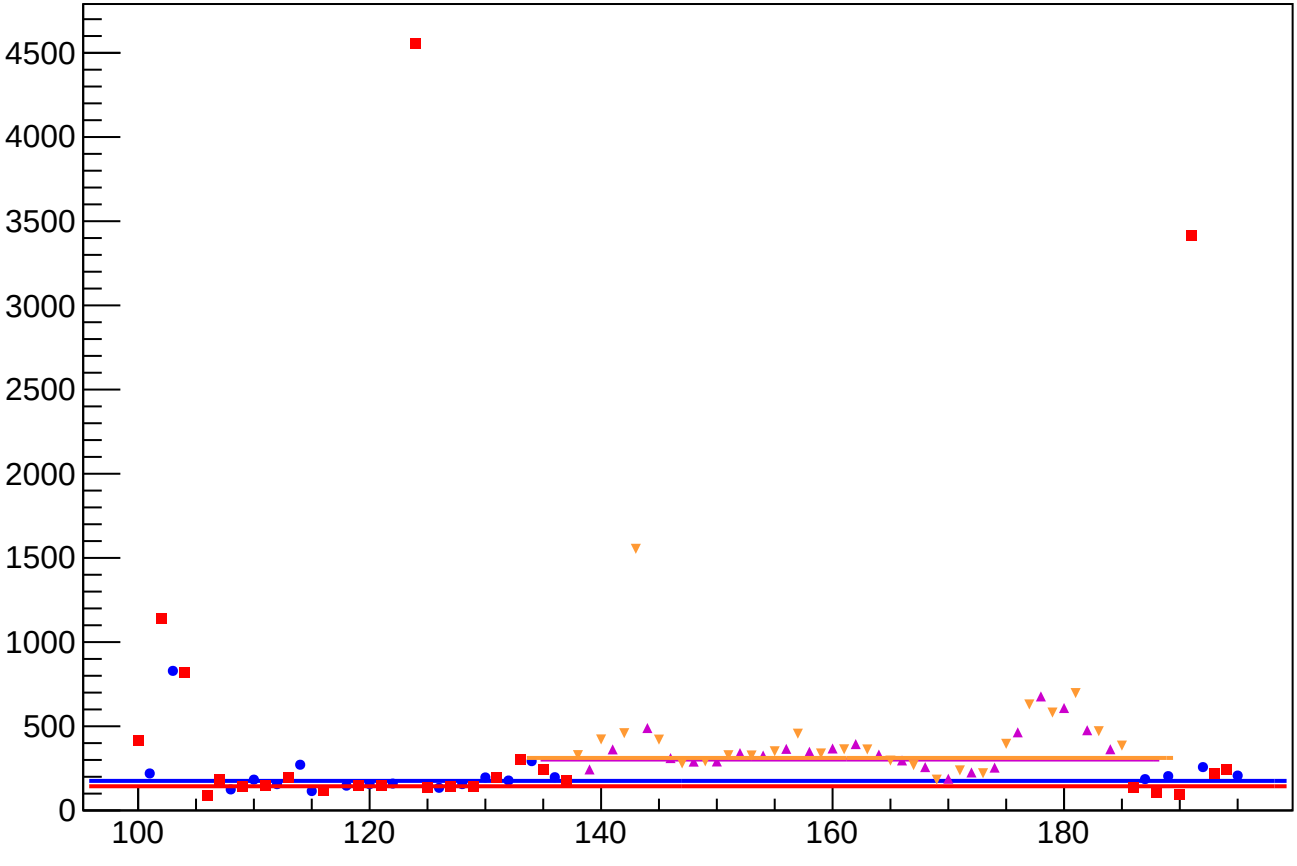
Right: -0.039+/-0.038 χ^2/NDF: 53.0/44

In: -0.065+/-0.047 χ^2/NDF:46.8/42

Out: -0.027+/-0.042 χ^2/NDF:68.3/49

All: -0.044+/-0.031 χ^2/NDF: 115.5/92

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.630+/-0.043 χ^2/NDF: 1563740.0/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 143.651+/-0.035 χ^2/NDF: 3514054.7/24

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

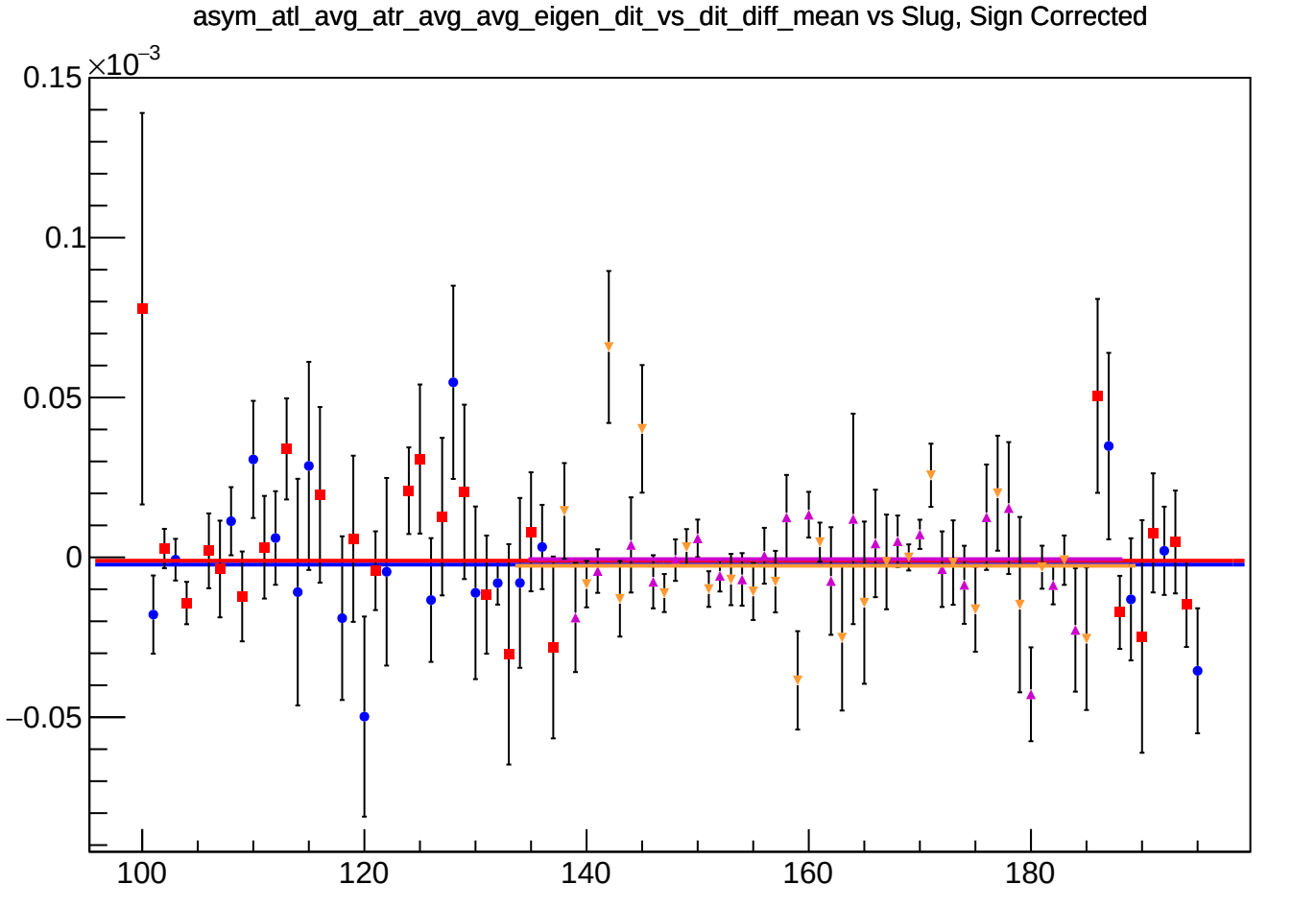
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 156.552+/-0.027 χ^2/NDF: 5410625.1/44

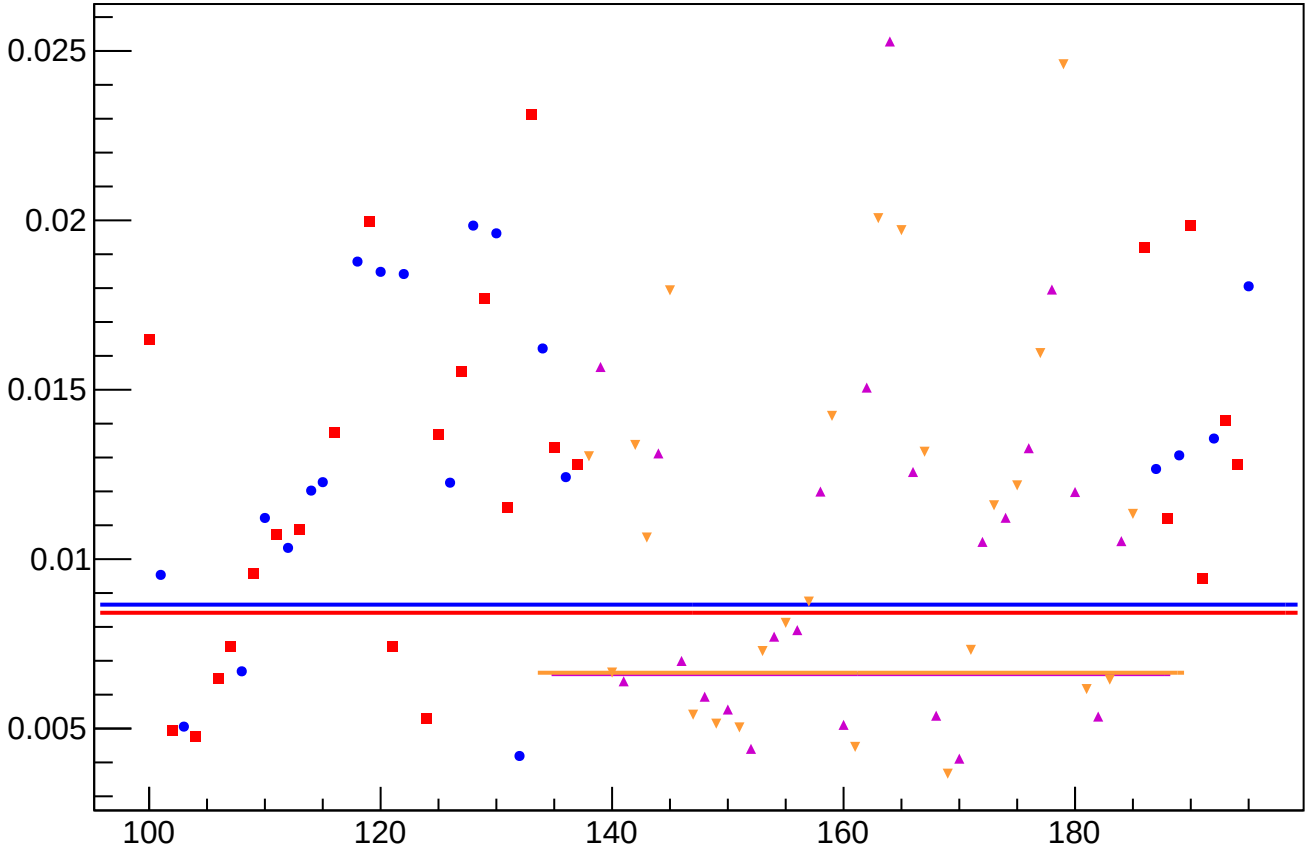
In: 225.725+/-0.033 χ^2/NDF:7836357.5/42

Out: 193.574+/-0.030 χ^2/NDF:14642954.9/49

All: 207.728+/-0.022 χ^2/NDF: 23001288.5/92


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 20.4/19
Left Out: -0.000+/-0.000 χ²/NDF:42.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.7/24
Left In: -0.000+/-0.000 χ²/NDF:26.9/22
Left: -0.000+/-0.000 χ²/NDF: 70.0/47
Right: -0.000+/-0.000 χ²/NDF: 47.2/44
In: -0.000+/-0.000 χ²/NDF:47.5/42
Out: -0.000+/-0.000 χ²/NDF:69.4/49
All: -0.000+/-0.000 χ²/NDF: 117.2/92

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: 4264338.7/19

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4176718.9/24

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

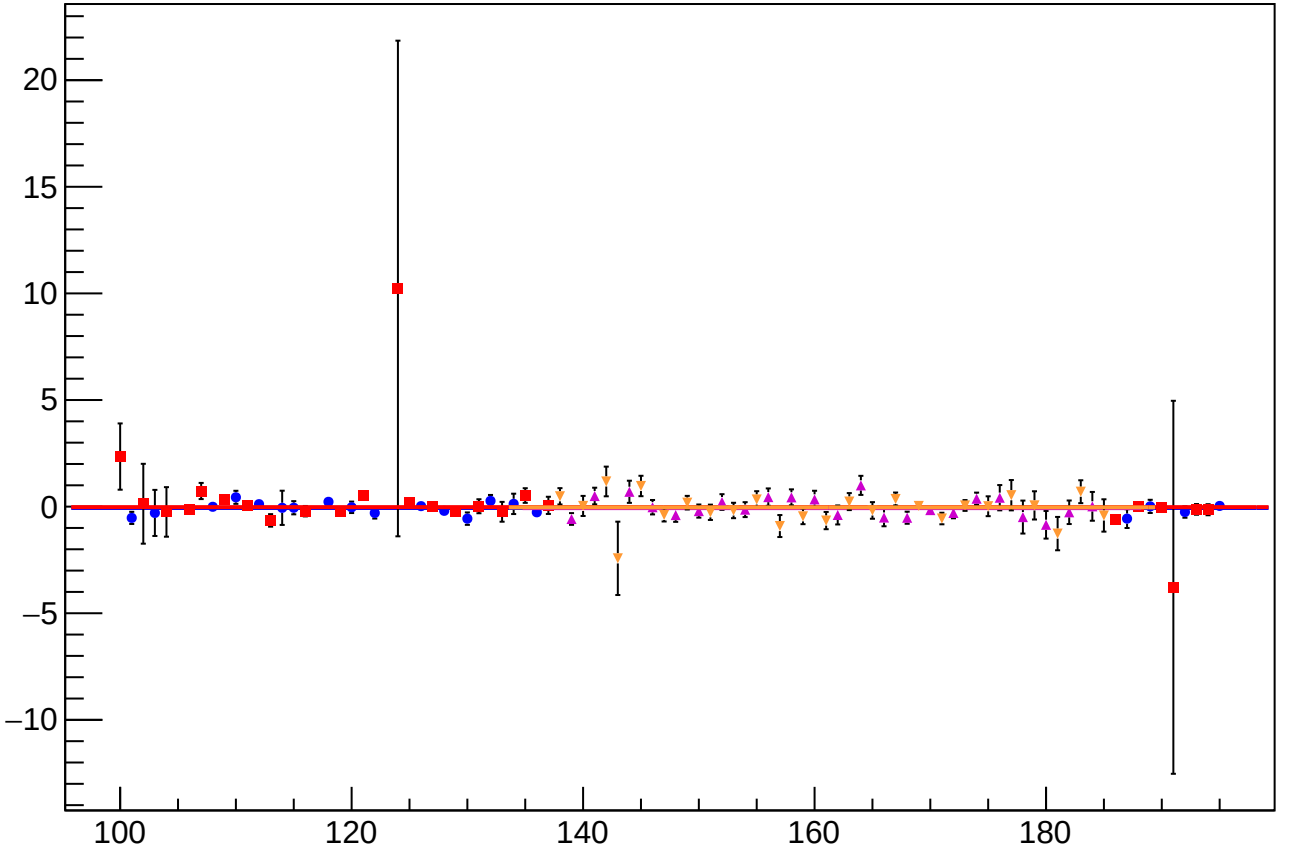
Right: 0.009+/-0.000 χ^2/NDF: 8447362.8/44

In: 0.007+/-0.000 χ^2/NDF:10751496.8/42

Out: 0.007+/-0.000 χ^2/NDF:12254355.2/49

All: 0.007+/-0.000 χ^2/NDF: 23006444.4/92

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

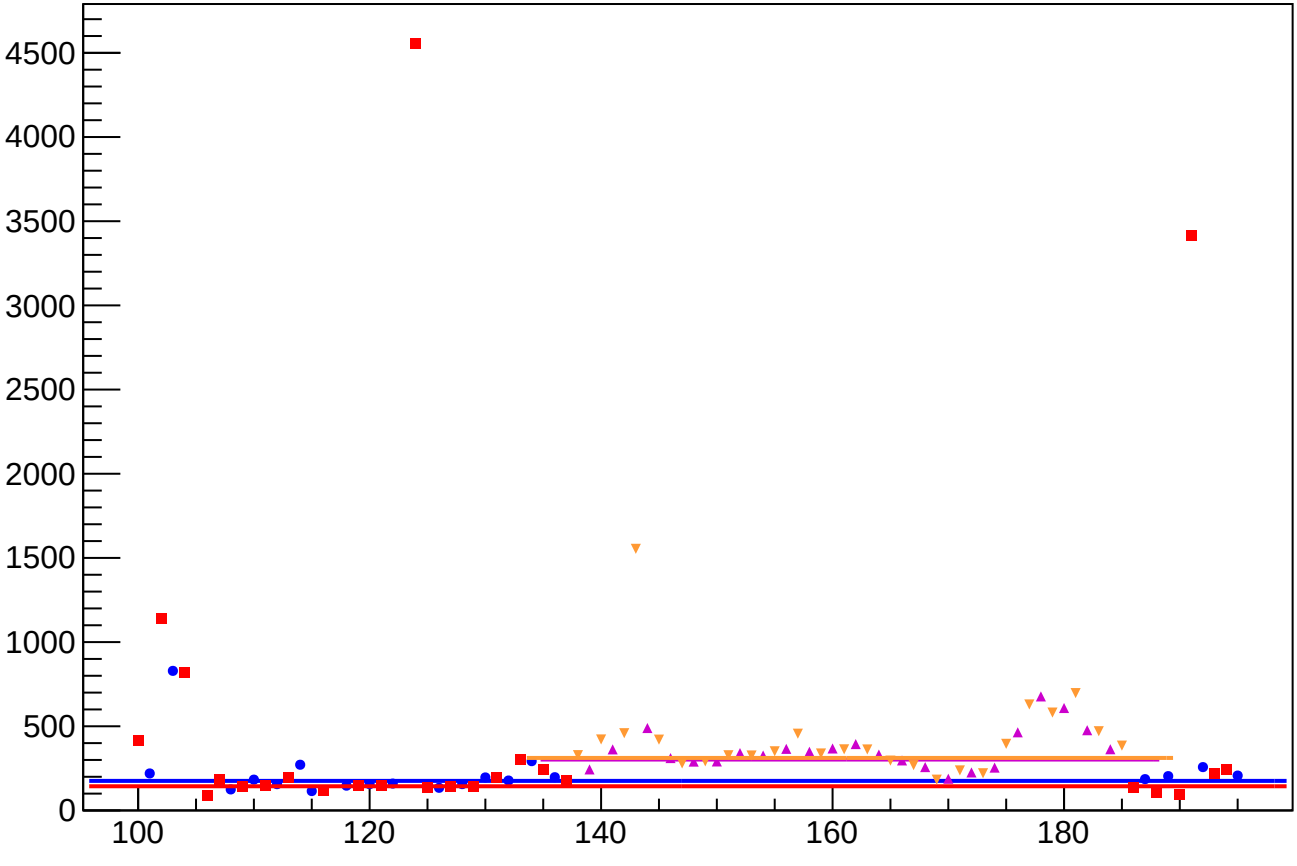
Right: -0.039+/-0.038 χ^2/NDF: 53.0/44

In: -0.065+/-0.047 χ^2/NDF:46.8/42

Out: -0.027+/-0.042 χ^2/NDF:68.3/49

All: -0.044+/-0.031 χ^2/NDF: 115.5/92

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.629+/-0.043 χ^2/NDF: 1563735.6/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 143.648+/-0.035 χ^2/NDF: 3514173.6/24

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

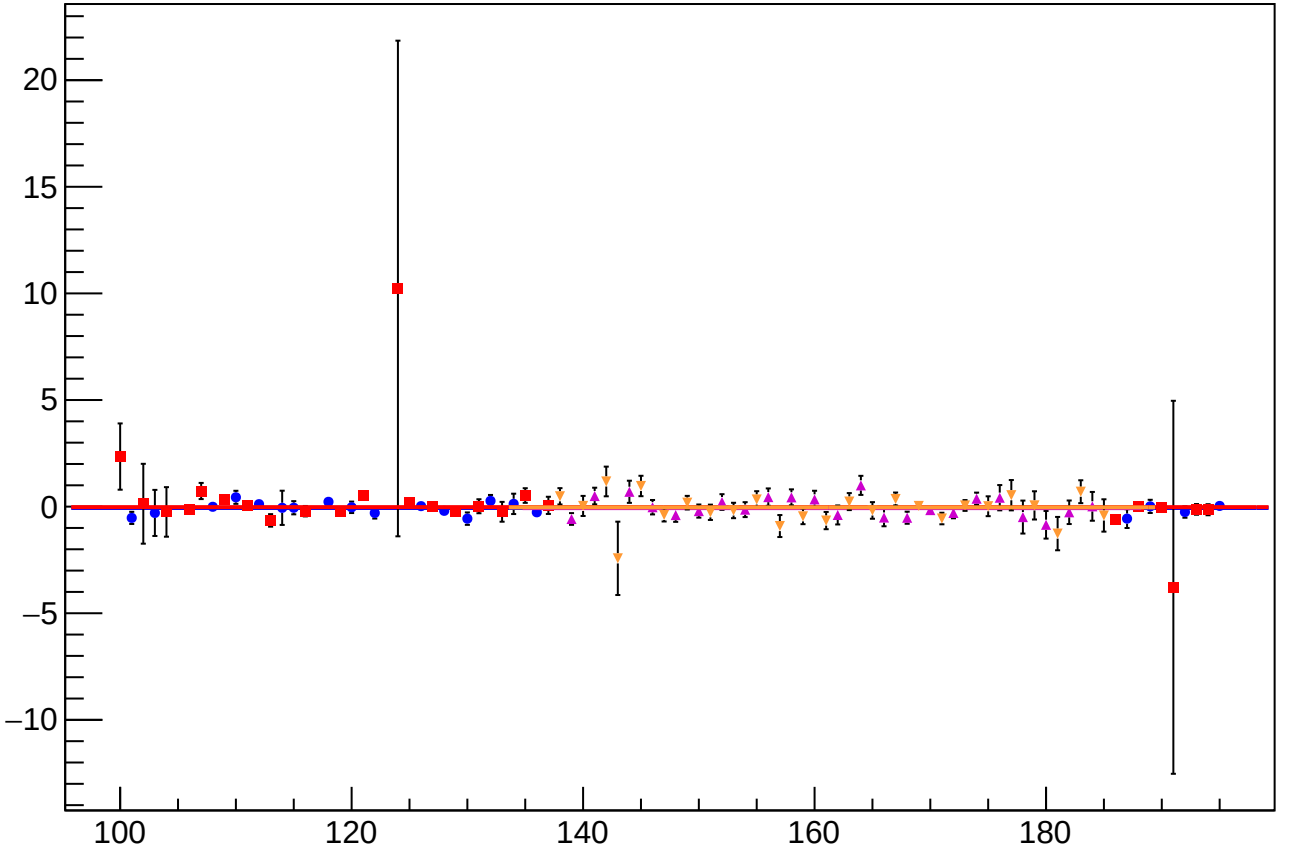
Right: 156.550+/-0.027 χ^2/NDF: 5410808.2/44

In: 225.725+/-0.033 χ^2/NDF:7836578.6/42

Out: 193.570+/-0.030 χ^2/NDF:14643620.1/49

All: 207.726+/-0.022 χ^2/NDF: 23002294.3/92

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.063+/-0.061 χ^2/NDF: 16.9/19

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

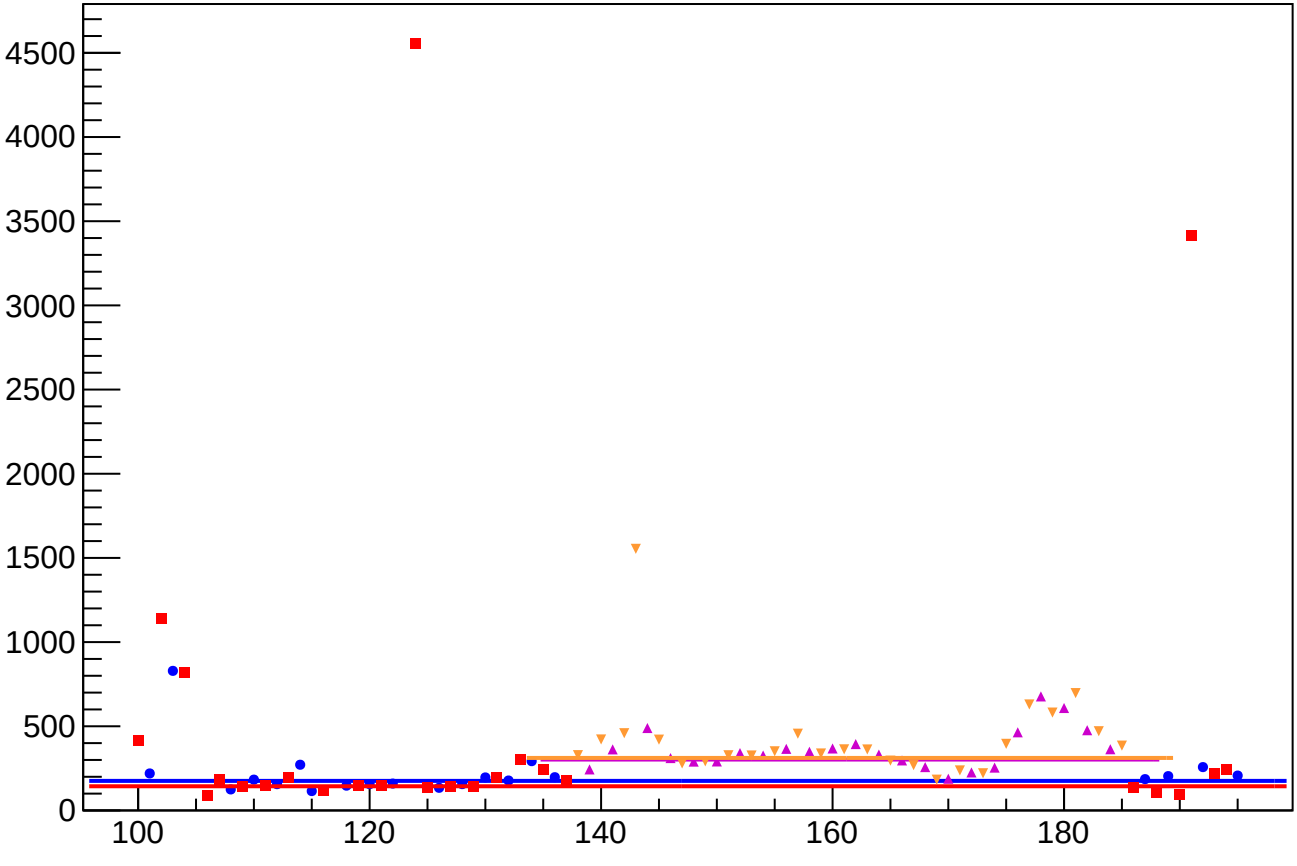
Right: -0.039+/-0.038 χ^2/NDF: 53.0/44

In: -0.065+/-0.047 χ^2/NDF:46.8/42

Out: -0.027+/-0.042 χ^2/NDF:68.3/49

All: -0.044+/-0.031 χ^2/NDF: 115.5/92

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.629+/-0.043 χ^2/NDF: 1563735.6/19

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 143.648+/-0.035 χ^2/NDF: 3514173.6/24

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

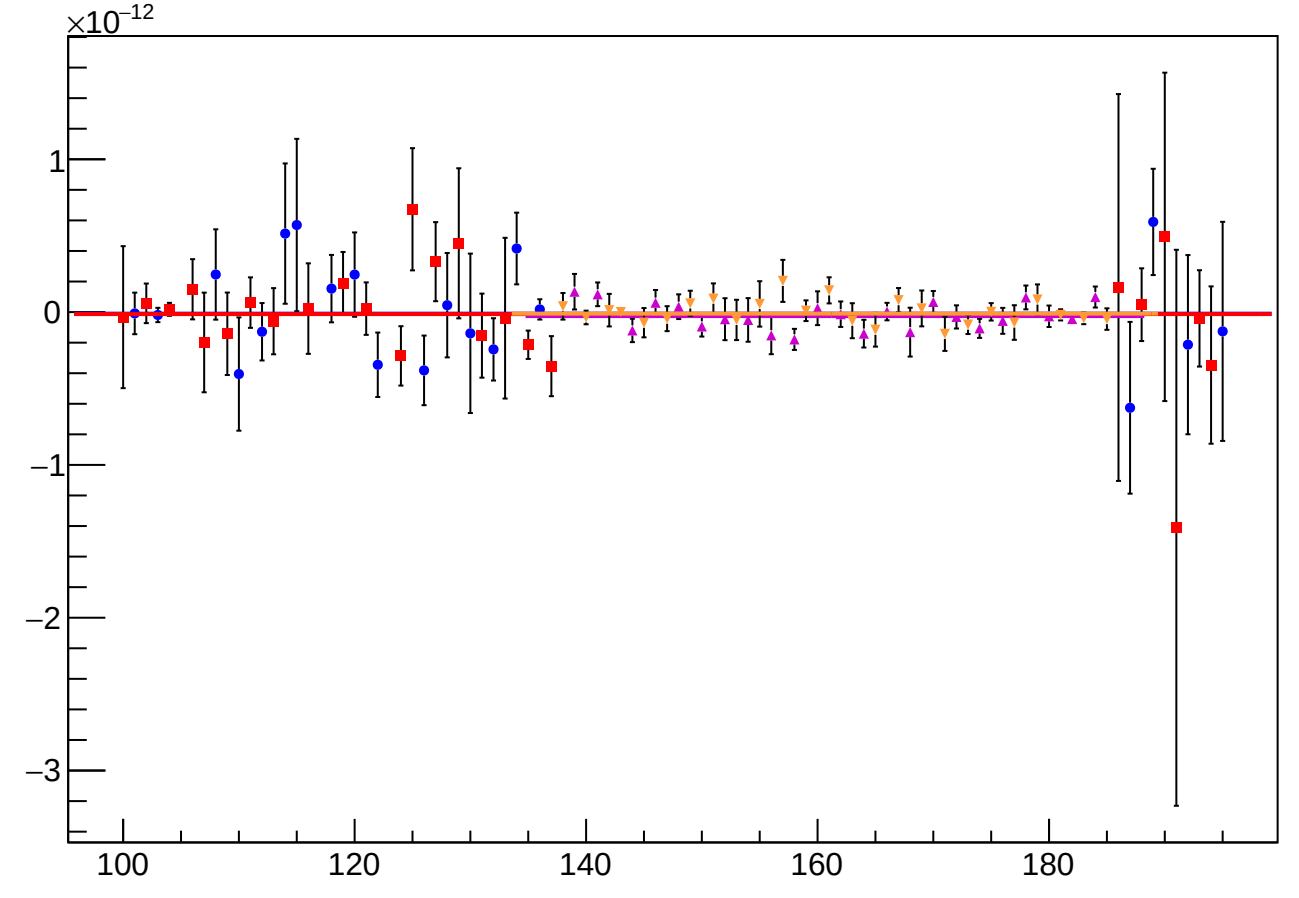
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 156.550+/-0.027 χ^2/NDF: 5410808.2/44

In: 225.725+/-0.033 χ^2/NDF:7836578.6/42

Out: 193.570+/-0.030 χ^2/NDF:14643620.1/49

All: 207.726+/-0.022 χ^2/NDF: 23002294.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/24

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

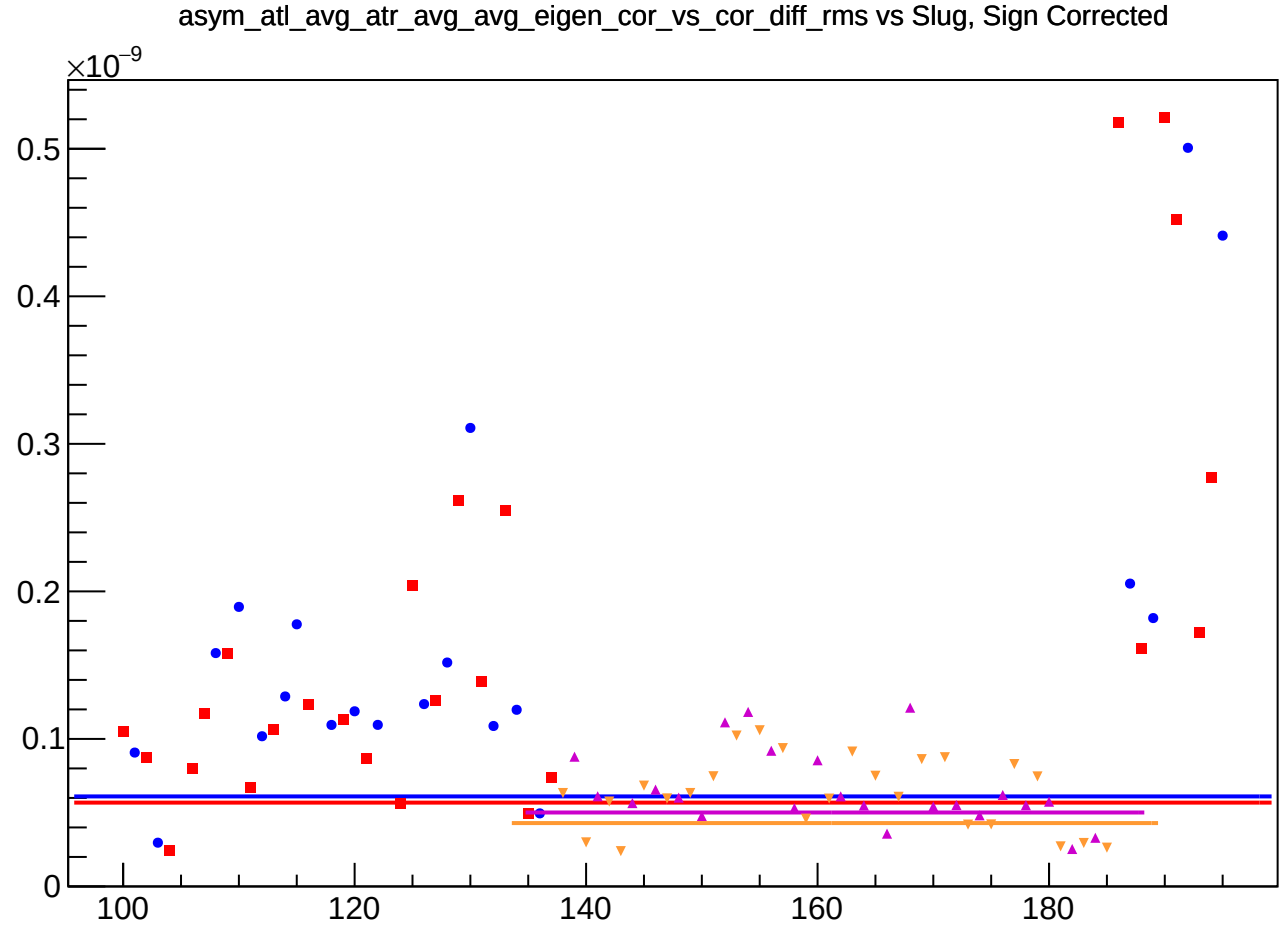
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 40.7/44

In: -0.000+/-0.000 χ^2/NDF:48.3/42

Out: -0.000+/-0.000 χ^2/NDF:36.4/49

All: -0.000+/-0.000 χ^2/NDF: 85.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 5069567.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5085701.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

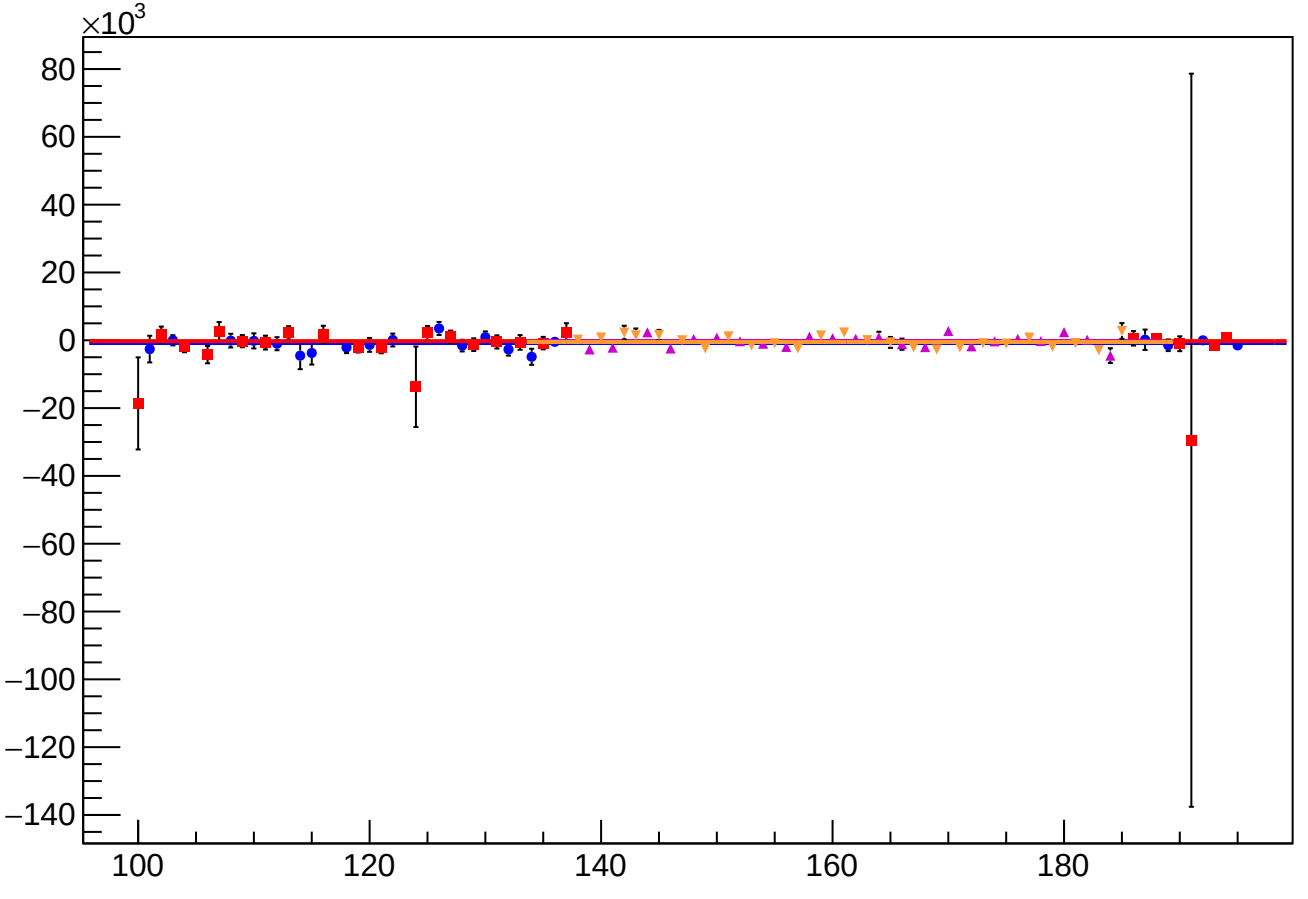
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10172699.1/44

In: 0.000+/-0.000 χ^2/NDF:8864054.6/42

Out: 0.000+/-0.000 χ^2/NDF:10497300.3/49

All: 0.000+/-0.000 χ^2/NDF: 19641534.6/92



Right In: -803.131+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -247.383+/-400.655 χ^2/NDF: 17.8/24

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

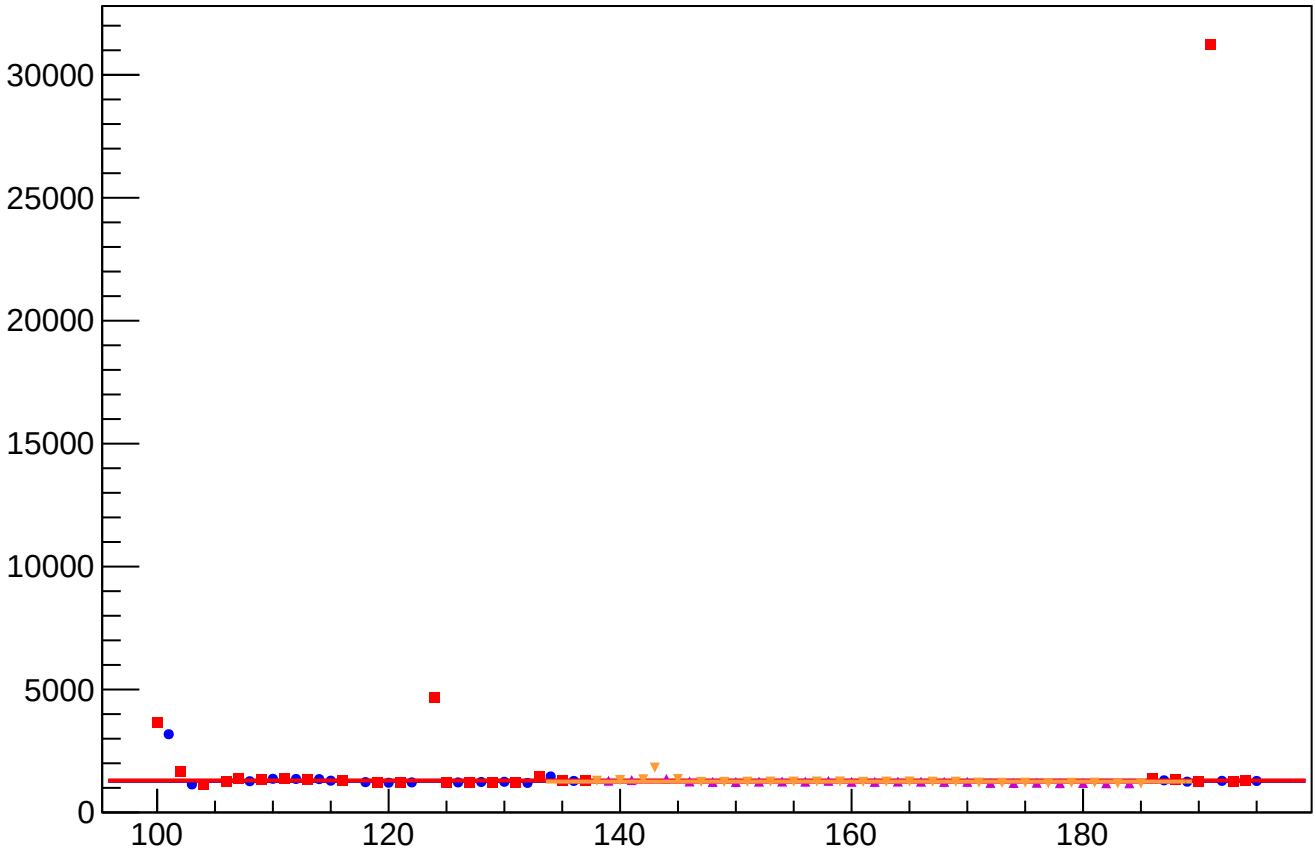
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -514.858+/-288.558 χ^2/NDF: 33.0/44

In: -427.001+/-238.530 χ^2/NDF:47.6/42

Out: -424.346+/-232.748 χ^2/NDF:49.0/49

All: -425.641+/-166.584 χ^2/NDF: 96.6/92



Right In: 1283.970+/-0.294 χ^2/NDF: 518962.8/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1299.185+/-0.283 χ^2/NDF: 489259.8/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

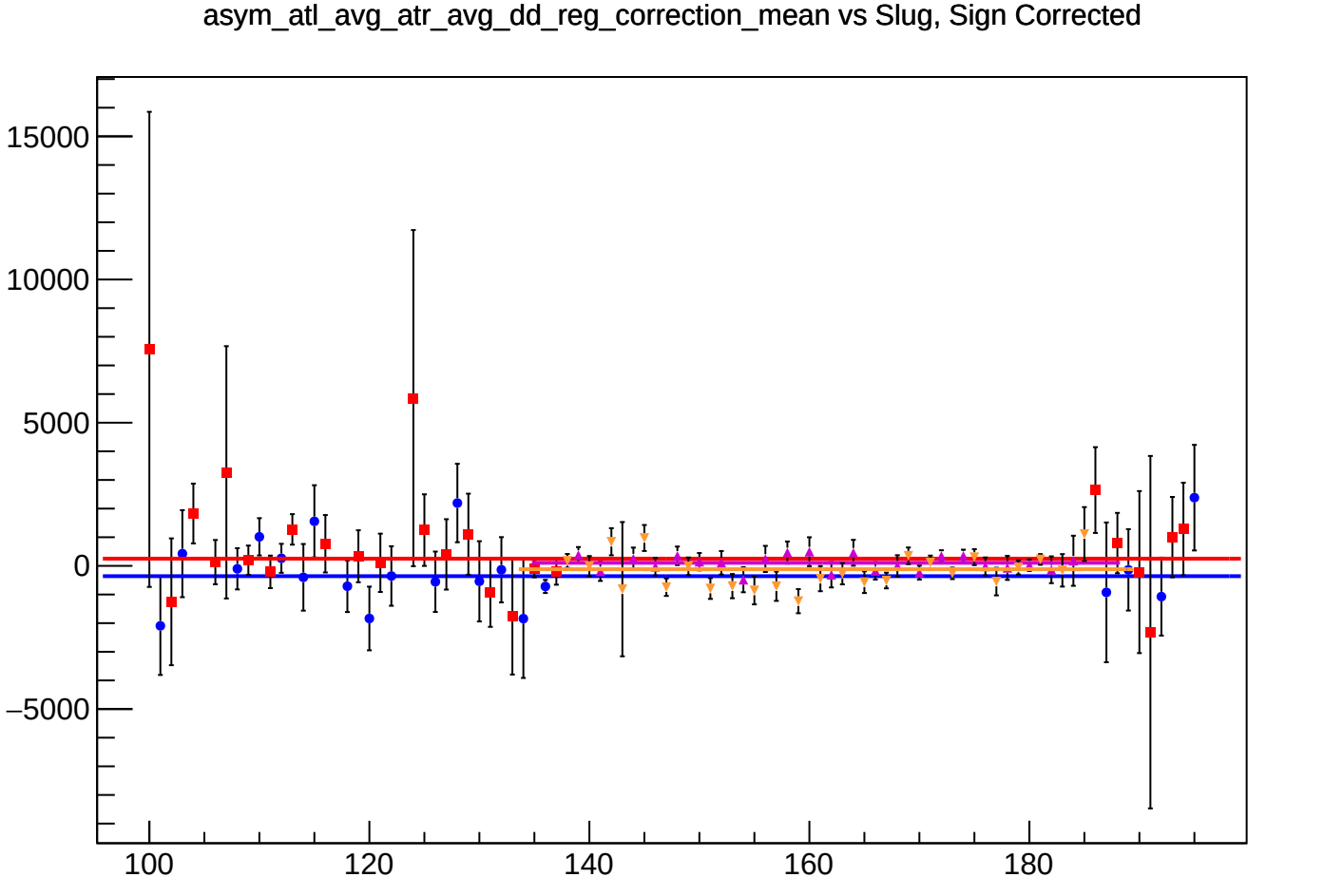
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1291.862+/-0.204 χ^2/NDF: 1009610.7/44

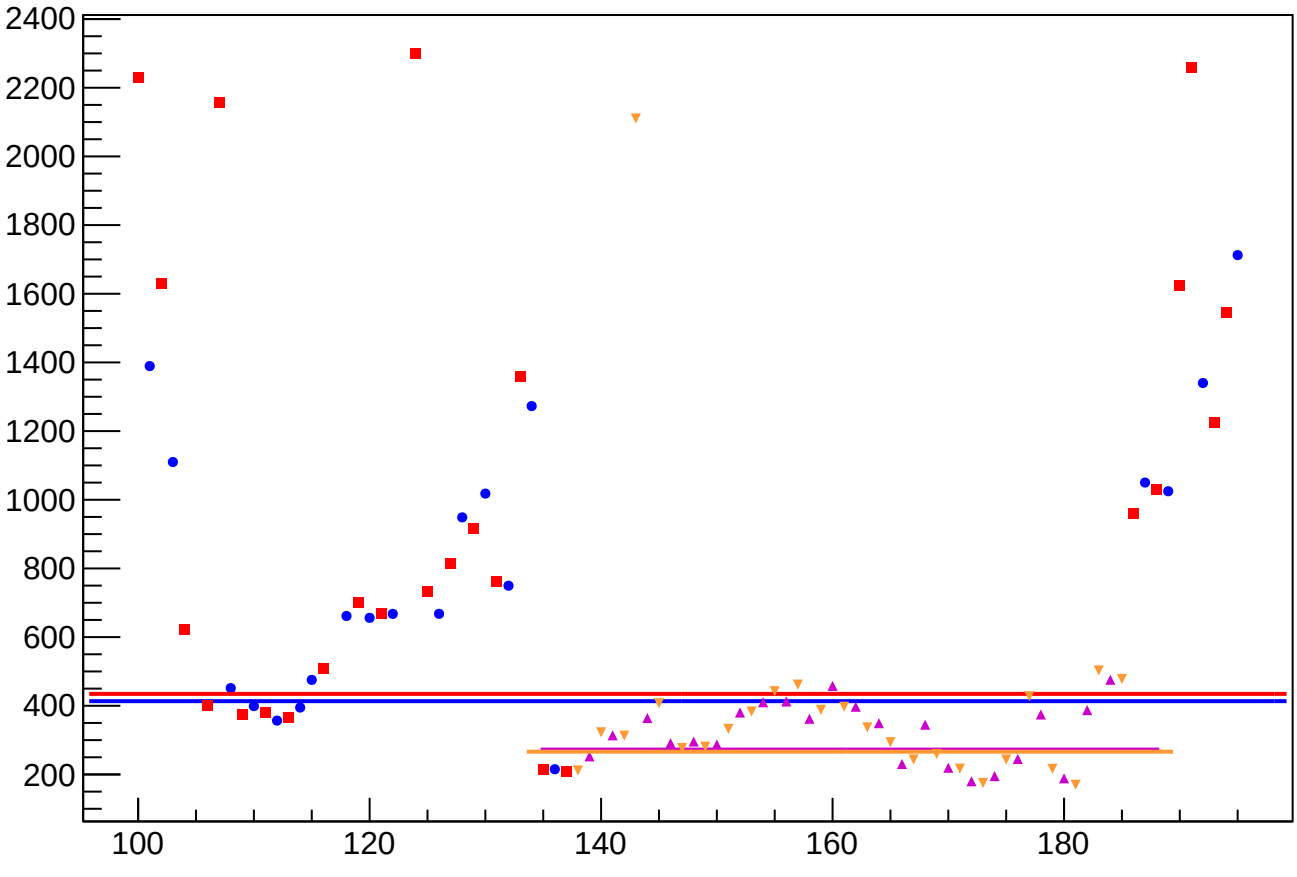
In: 1258.725+/-0.169 χ^2/NDF:569797.6/42

Out: 1270.251+/-0.165 χ^2/NDF:708126.5/49

All: 1264.630+/-0.118 χ^2/NDF: 1280316.4/92


asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -359.992+/-164.751 χ²/NDF: 20.7/19
Left Out: -117.028+/-65.059 χ²/NDF:48.4/24
Right Out: 252.395+/-164.040 χ²/NDF: 18.5/24
Left In: 107.341+/-67.001 χ²/NDF:13.7/22
Left: -8.142+/-46.675 χ²/NDF: 67.9/47
Right: -52.474+/-116.245 χ²/NDF: 46.2/44
In: 41.019+/-62.065 χ²/NDF:41.4/42
Out: -66.818+/-60.476 χ²/NDF:71.3/49
All: -14.297+/-43.314 χ²/NDF: 114.2/92

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 413.440+/-0.116 χ^2/NDF: 6710494.9/19

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 434.638+/-0.116 χ^2/NDF: 7231996.5/24

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

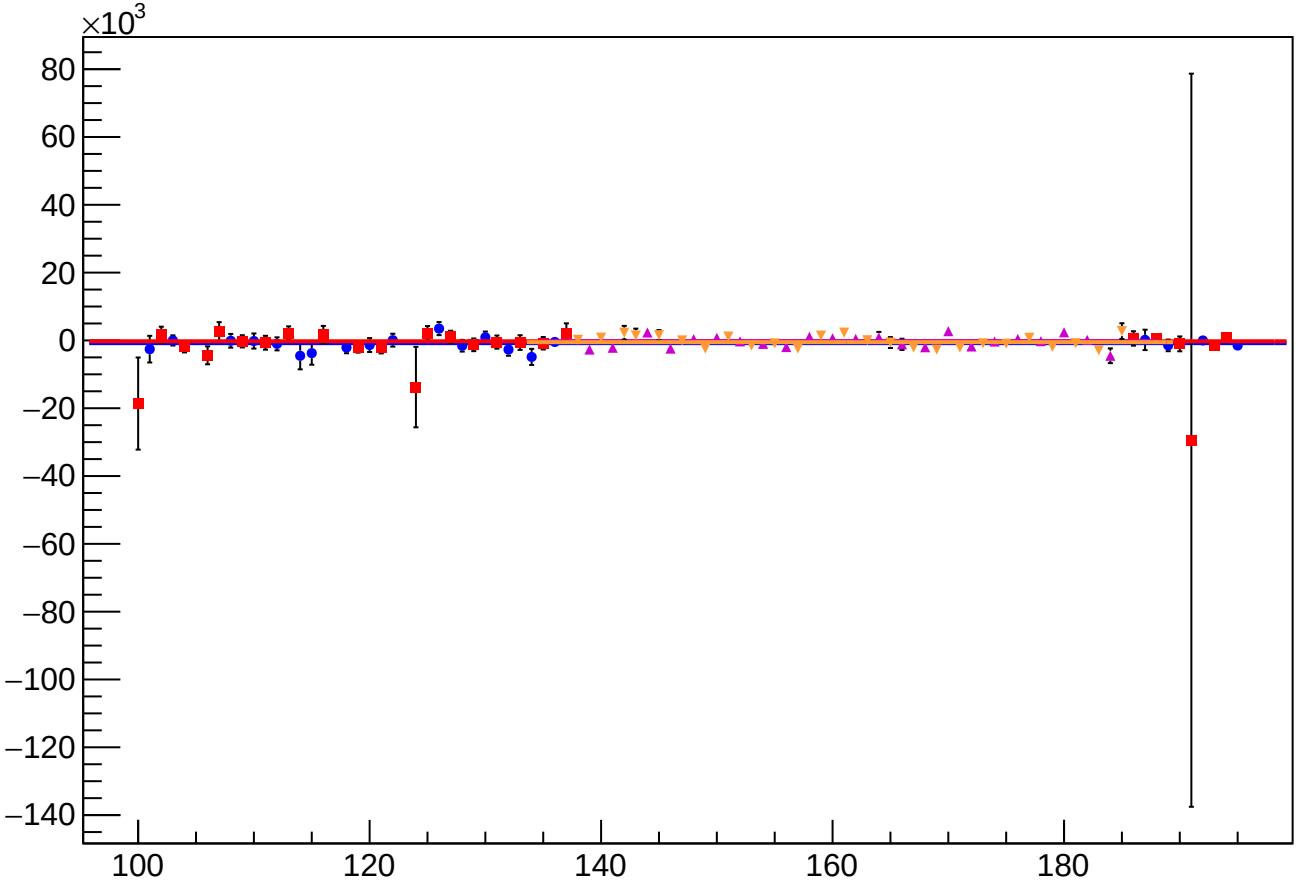
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 424.085+/-0.082 χ^2/NDF: 13959116.7/44

In: 292.388+/-0.044 χ^2/NDF:10856623.6/42

Out: 289.198+/-0.043 χ^2/NDF:13681581.1/49

All: 290.752+/-0.031 χ^2/NDF: 24540916.1/92



Right In: -802.882+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

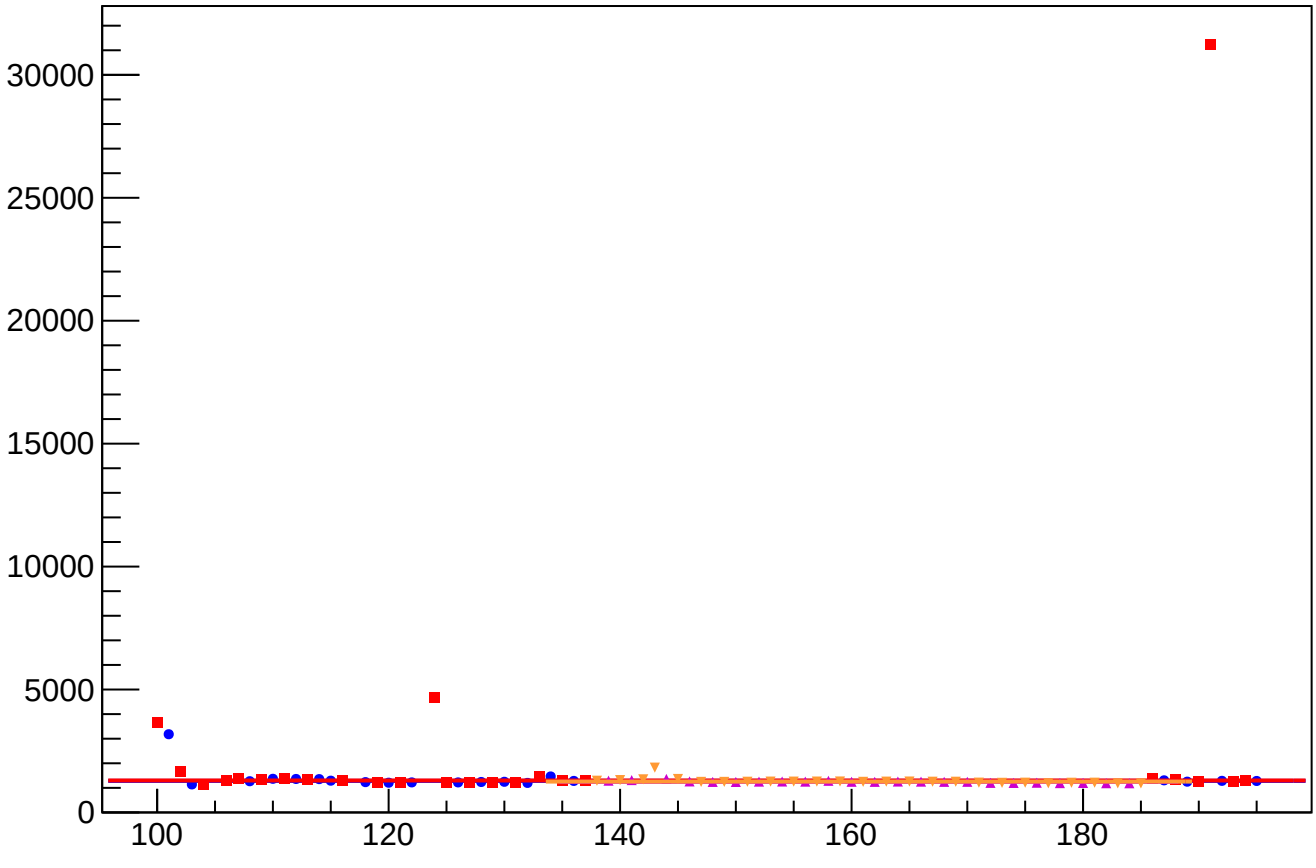
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -513.951+/-288.667 χ^2/NDF: 33.1/44

In: -426.903+/-238.530 χ^2/NDF:47.5/42

Out: -423.754+/-232.805 χ^2/NDF:49.1/49

All: -425.290+/-166.605 χ^2/NDF: 96.6/92



Right In: 1283.970+/-0.294 χ^2/NDF: 518964.3/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

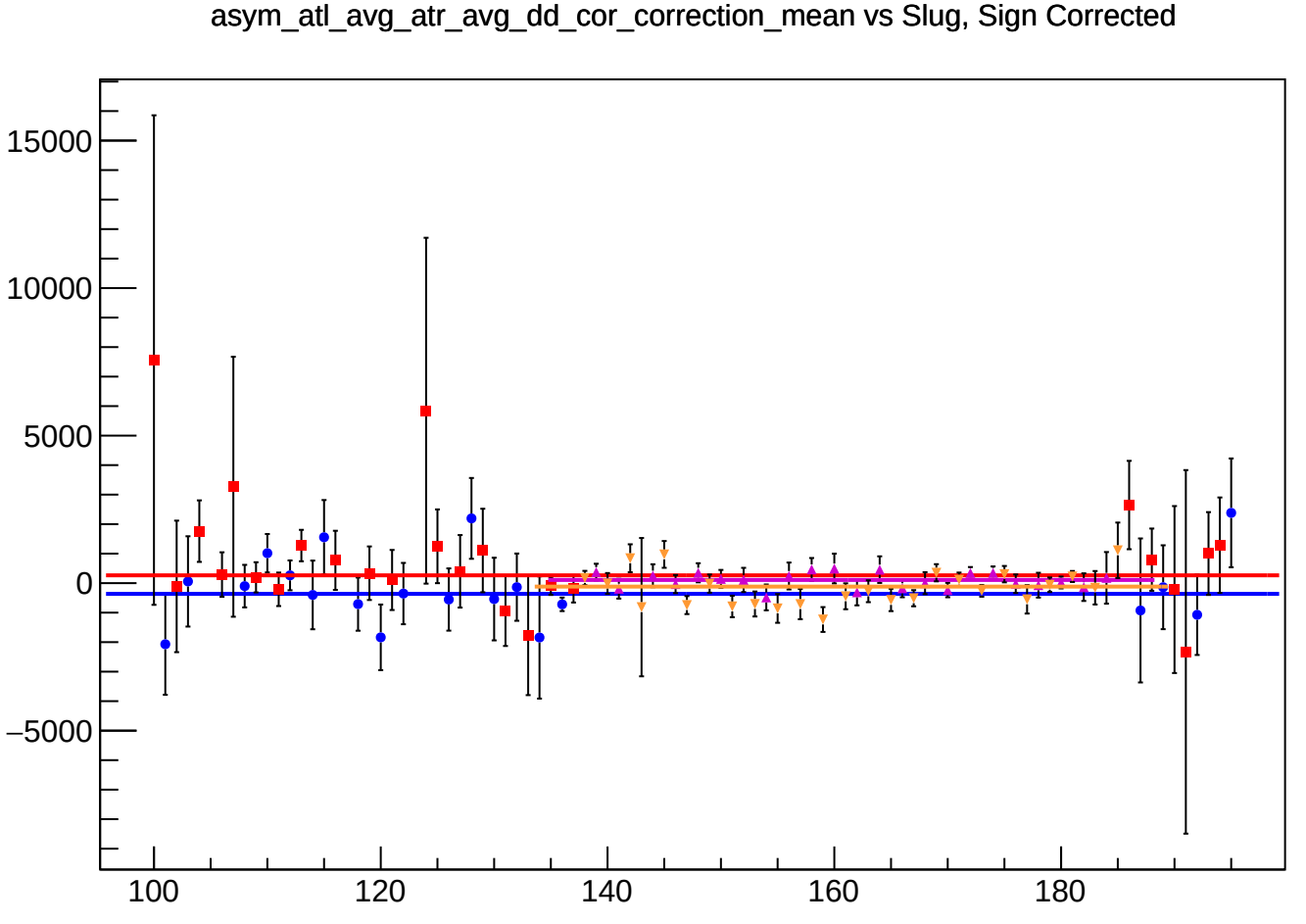
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1292.370+/-0.204 χ^2/NDF: 1009395.4/44

In: 1258.725+/-0.169 χ^2/NDF:569798.9/42

Out: 1270.571+/-0.165 χ^2/NDF:708430.7/49

All: 1264.792+/-0.118 χ^2/NDF: 1280755.9/92



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

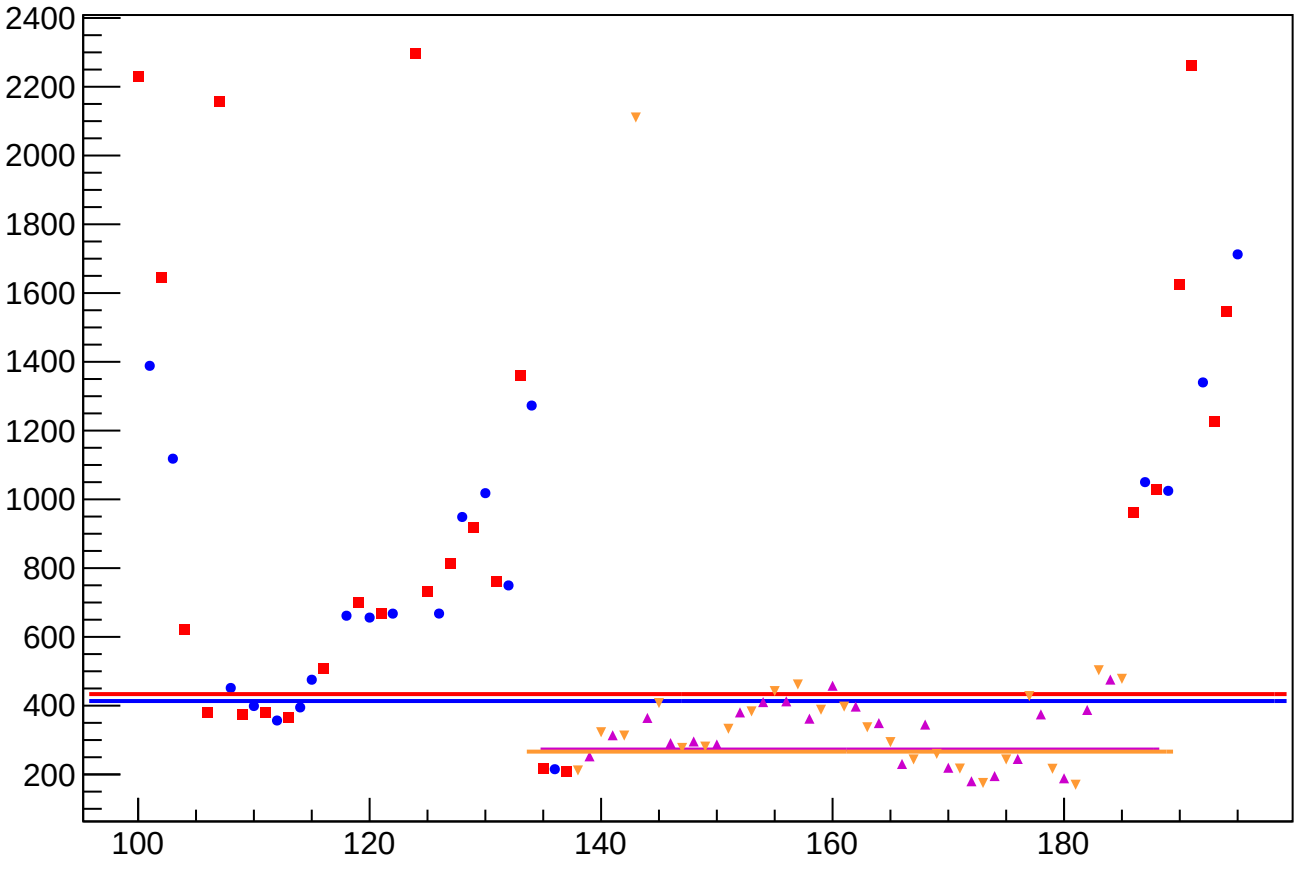
Right: -48.084+/-116.187 χ^2/NDF: 45.7/44

In: 40.525+/-62.067 χ^2/NDF:41.3/42

Out: -65.035+/-60.468 χ^2/NDF:71.0/49

All: -13.632+/-43.312 χ^2/NDF: 113.7/92

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

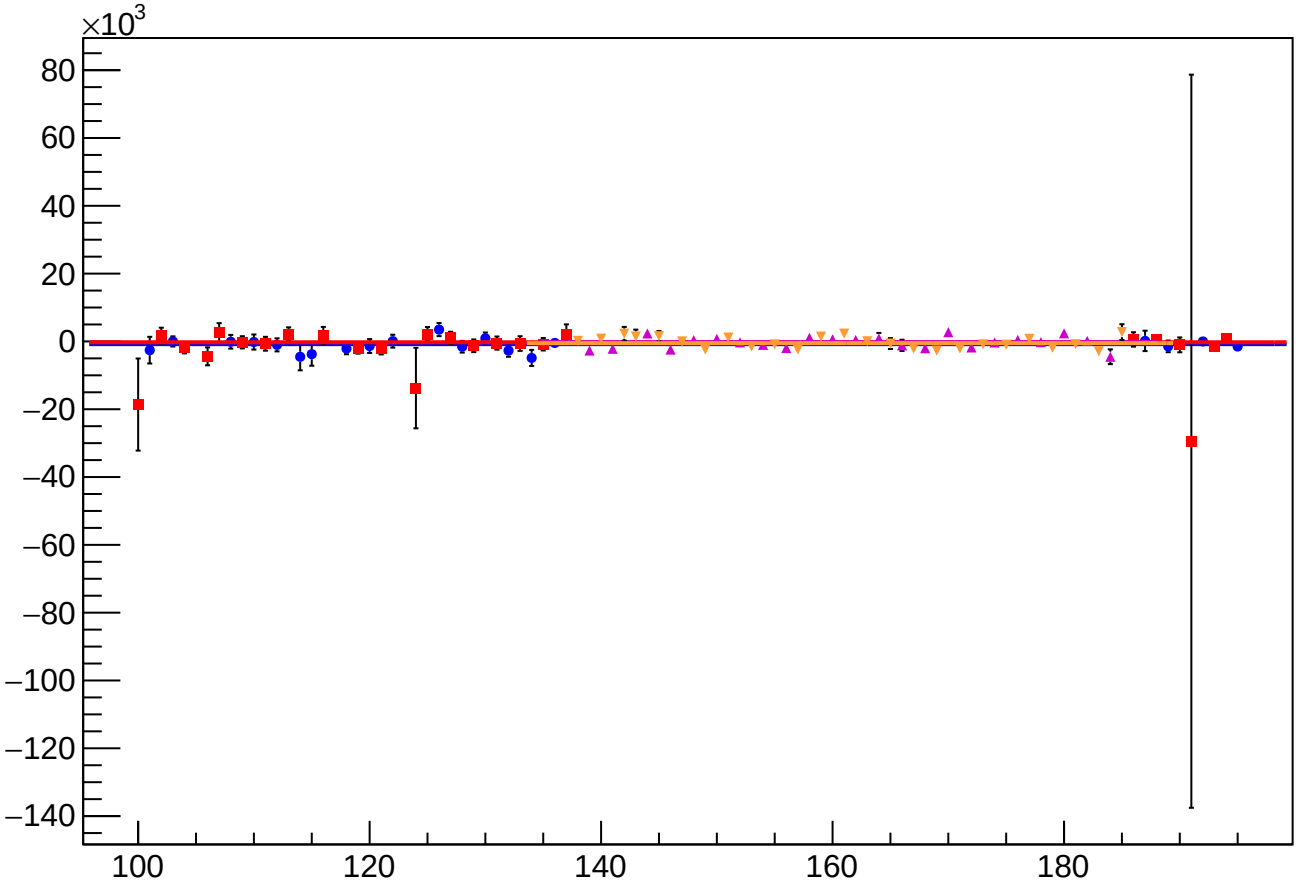
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 423.599+/-0.082 χ^2/NDF: 13973558.9/44

In: 292.394+/-0.044 χ^2/NDF:10859134.3/42

Out: 289.112+/-0.043 χ^2/NDF:13676294.6/49

All: 290.710+/-0.031 χ^2/NDF: 24538298.3/92



Right In: -802.882+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

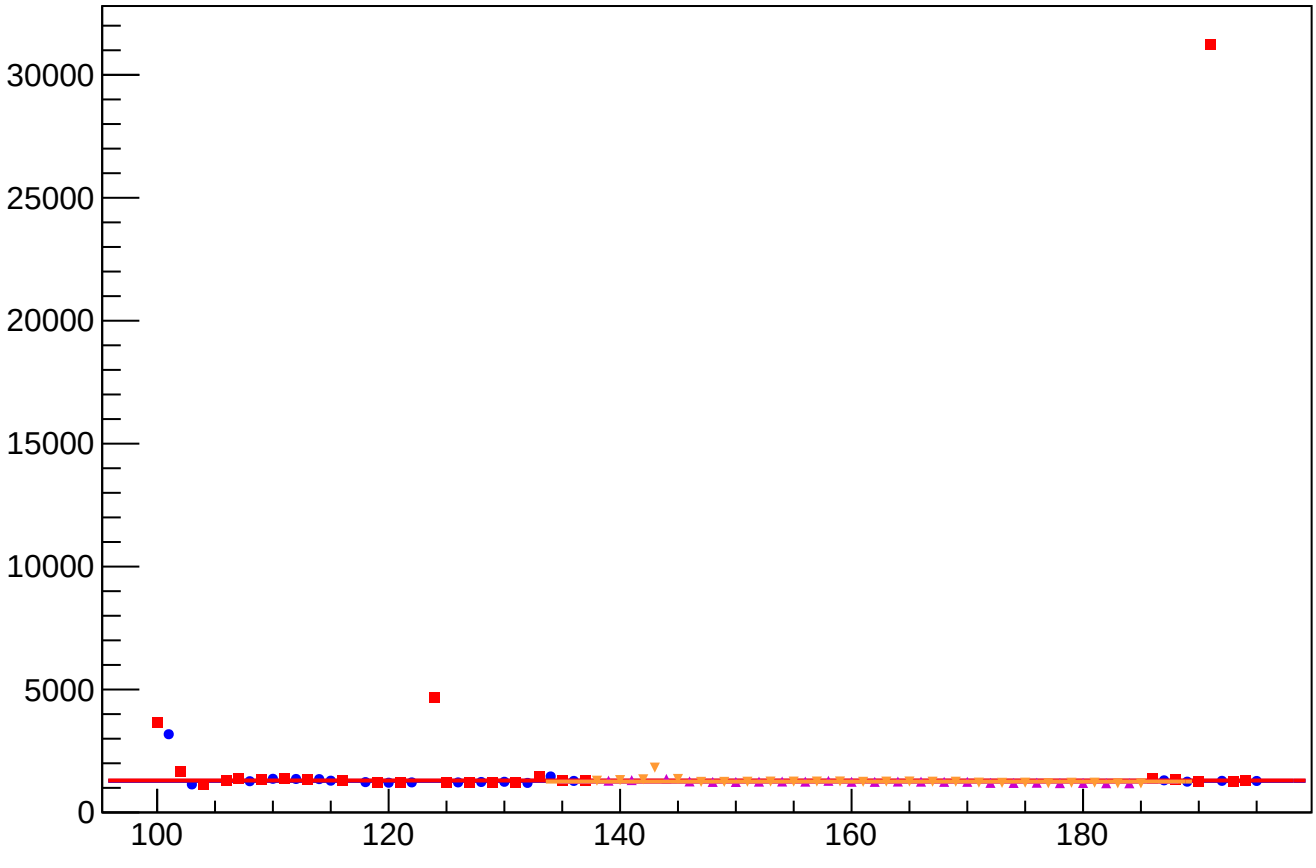
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -513.951+/-288.667 χ^2/NDF: 33.1/44

In: -426.903+/-238.530 χ^2/NDF:47.5/42

Out: -423.754+/-232.805 χ^2/NDF:49.1/49

All: -425.290+/-166.605 χ^2/NDF: 96.6/92



Right In: 1283.970+/-0.294 χ^2/NDF: 518964.3/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

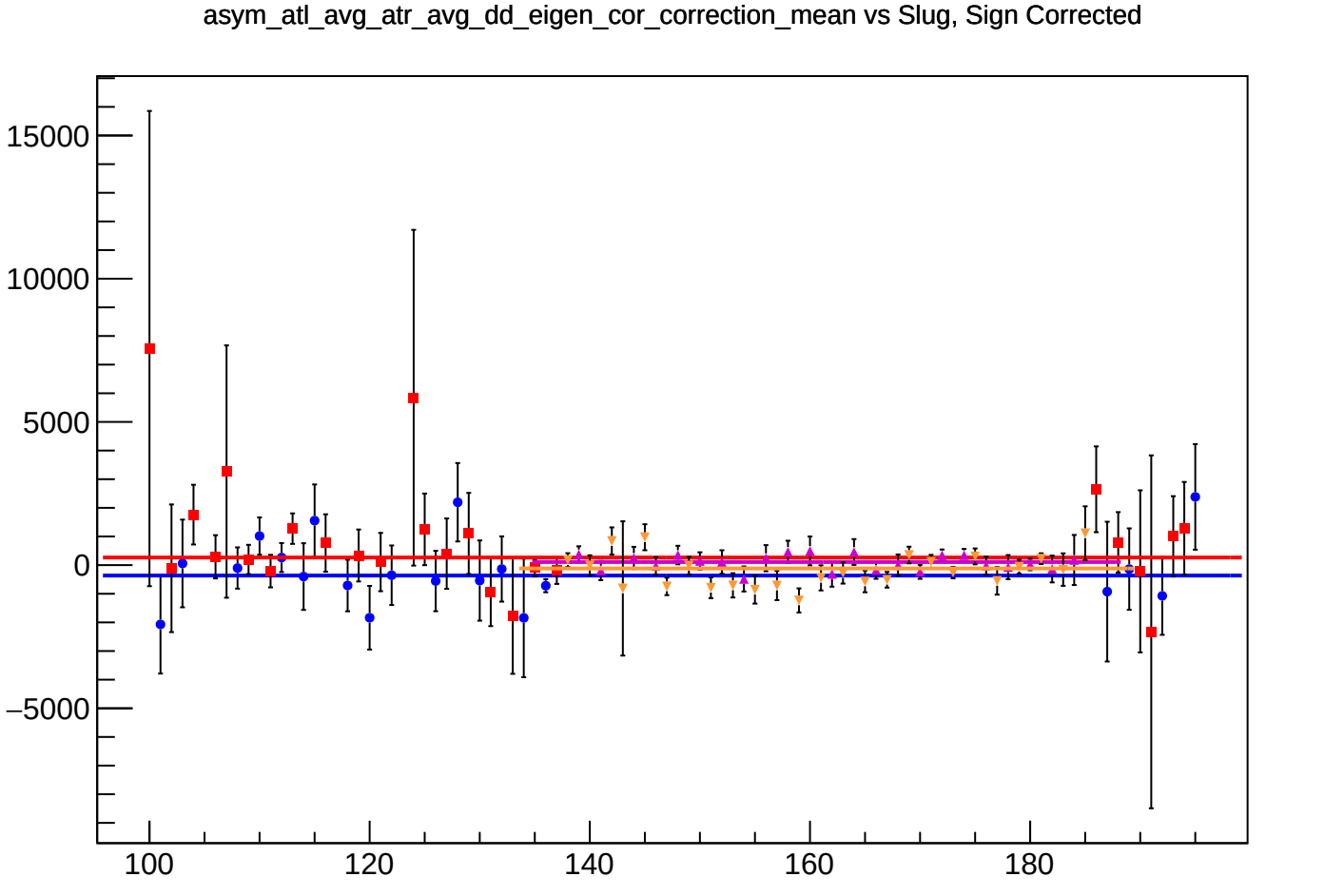
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1292.370+/-0.204 χ^2/NDF: 1009395.4/44

In: 1258.725+/-0.169 χ^2/NDF:569798.9/42

Out: 1270.571+/-0.165 χ^2/NDF:708430.7/49

All: 1264.792+/-0.118 χ^2/NDF: 1280755.9/92



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

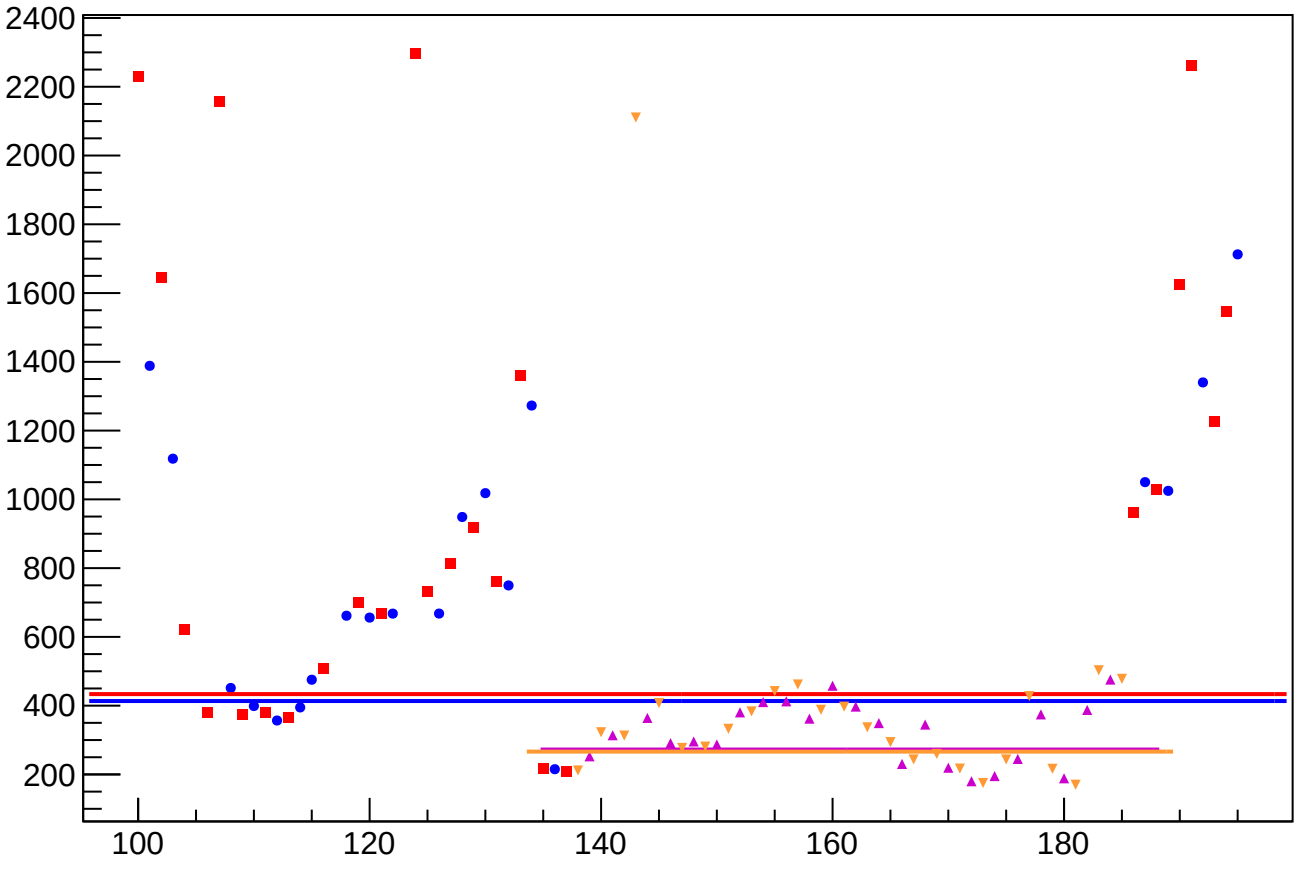
Right: -48.084+/-116.187 χ^2/NDF: 45.7/44

In: 40.525+/-62.067 χ^2/NDF:41.3/42

Out: -65.035+/-60.468 χ^2/NDF:71.0/49

All: -13.632+/-43.312 χ^2/NDF: 113.7/92

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

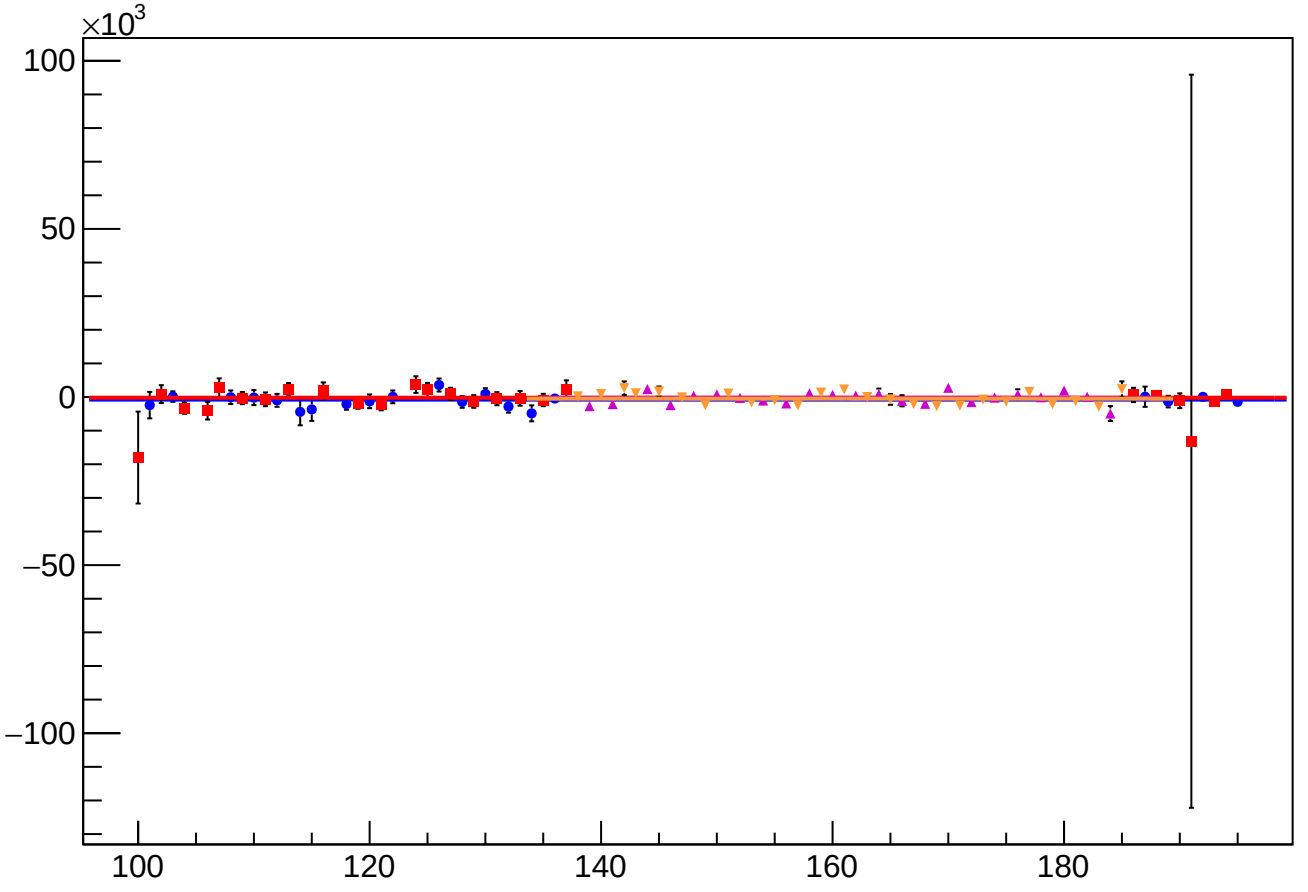
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 423.599+/-0.082 χ^2/NDF: 13973558.9/44

In: 292.394+/-0.044 χ^2/NDF:10859134.3/42

Out: 289.112+/-0.043 χ^2/NDF:13676294.6/49

All: 290.710+/-0.031 χ^2/NDF: 24538298.3/92



Right In: -767.806+/-417.551 χ^2/NDF: 14.4/19

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -206.473+/-399.026 χ^2/NDF: 19.8/24

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

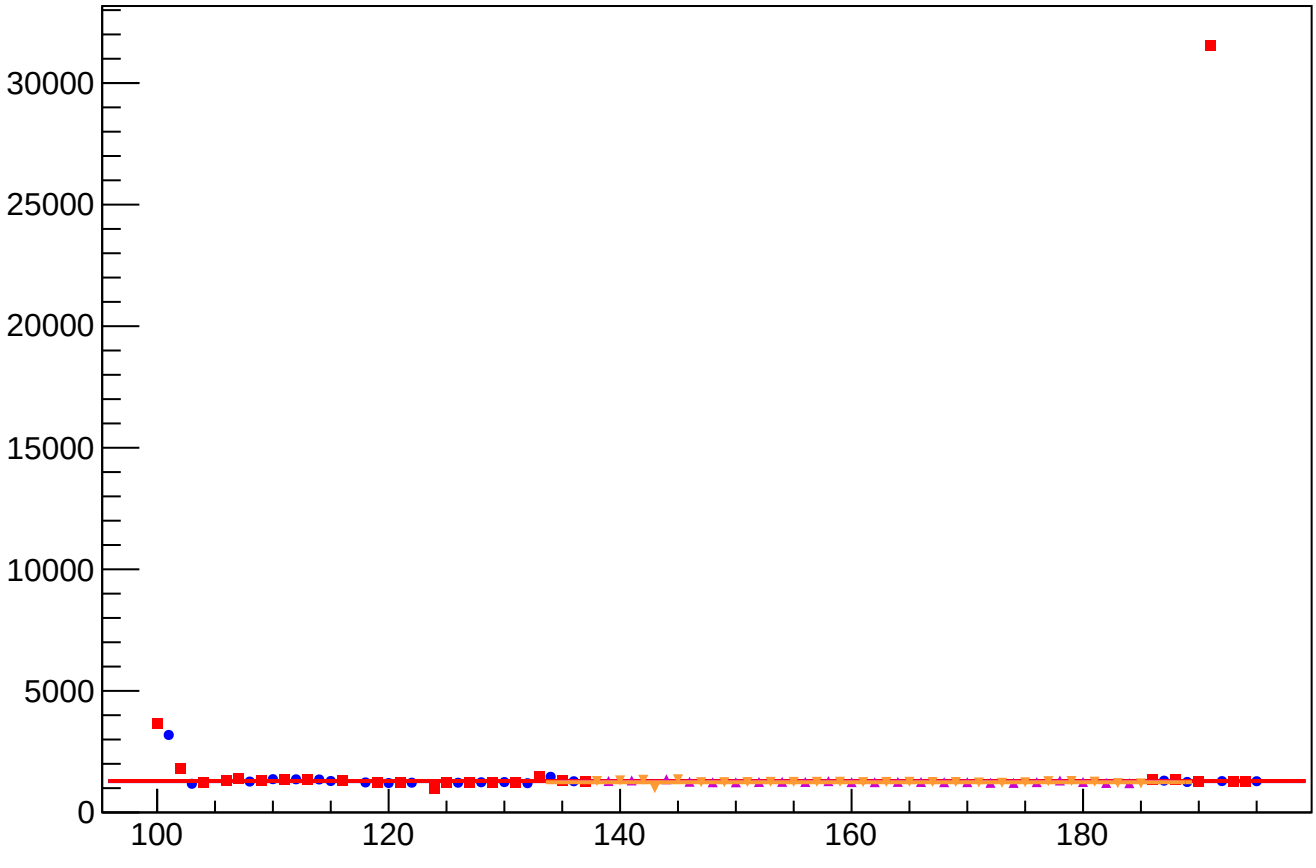
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -474.412+/-288.481 χ^2/NDF: 35.2/44

In: -416.548+/-240.575 χ^2/NDF:46.2/42

Out: -397.519+/-230.693 χ^2/NDF:54.4/49

All: -406.635+/-166.509 χ^2/NDF: 100.5/92



Right In: 1289.136+/-0.295 χ^2/NDF: 510390.0/19

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1294.248+/-0.282 χ^2/NDF: 371977.9/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

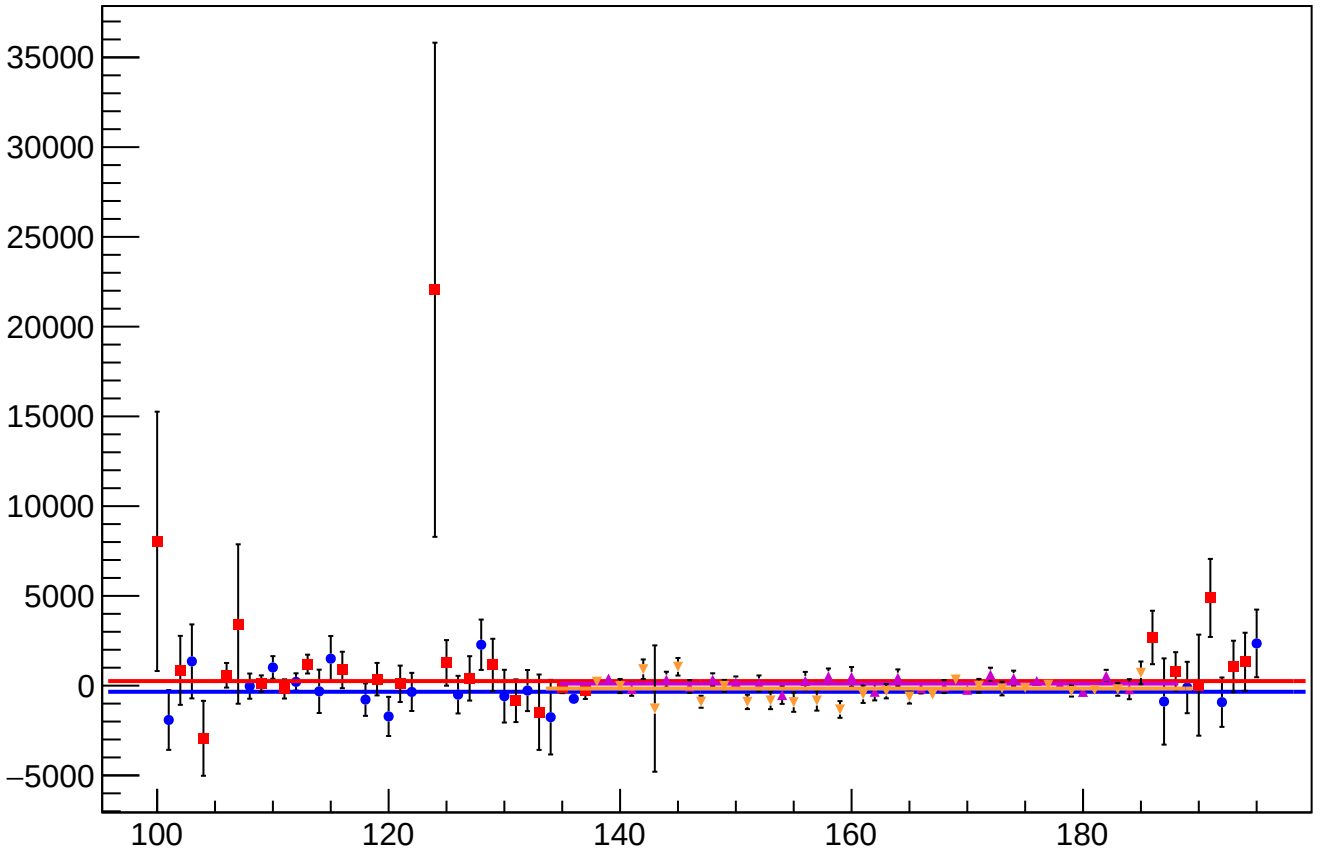
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1291.808+/-0.204 χ^2/NDF: 882524.6/44

In: 1269.734+/-0.170 χ^2/NDF:544785.6/42

Out: 1259.823+/-0.163 χ^2/NDF:524361.1/49

All: 1264.571+/-0.118 χ^2/NDF: 1070915.2/92



Right In: -341.534+/-166.469 χ^2/NDF: 20.7/19

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 254.066+/-163.779 χ^2/NDF: 24.4/24

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

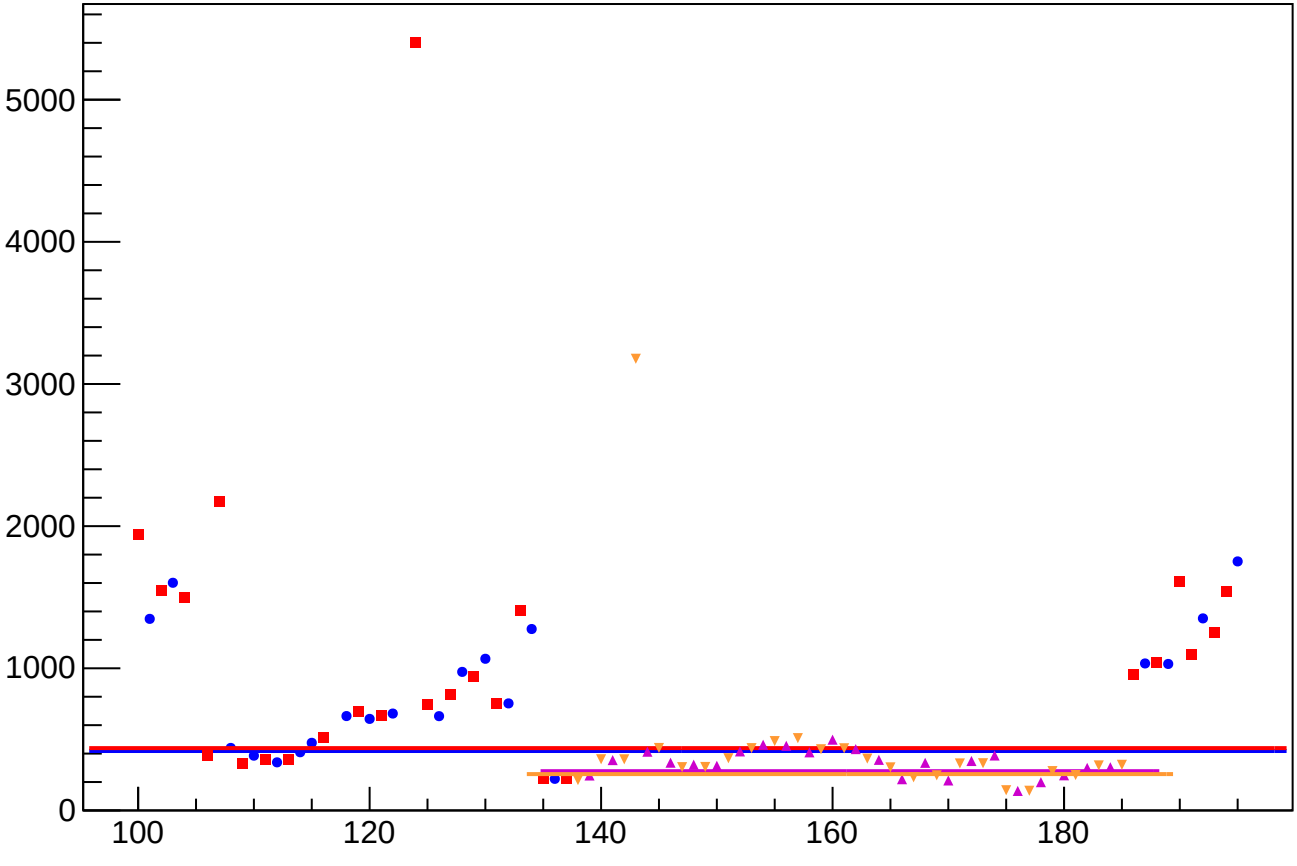
Right: -38.884+/-116.749 χ^2/NDF: 51.6/44

In: 47.238+/-63.616 χ^2/NDF:45.3/42

Out: -105.756+/-59.718 χ^2/NDF:73.7/49

All: -34.090+/-43.540 χ^2/NDF: 122.1/92

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 418.165+/-0.118 χ^2/NDF: 6831387.5/19

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 438.524+/-0.116 χ^2/NDF: 7753440.7/24

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

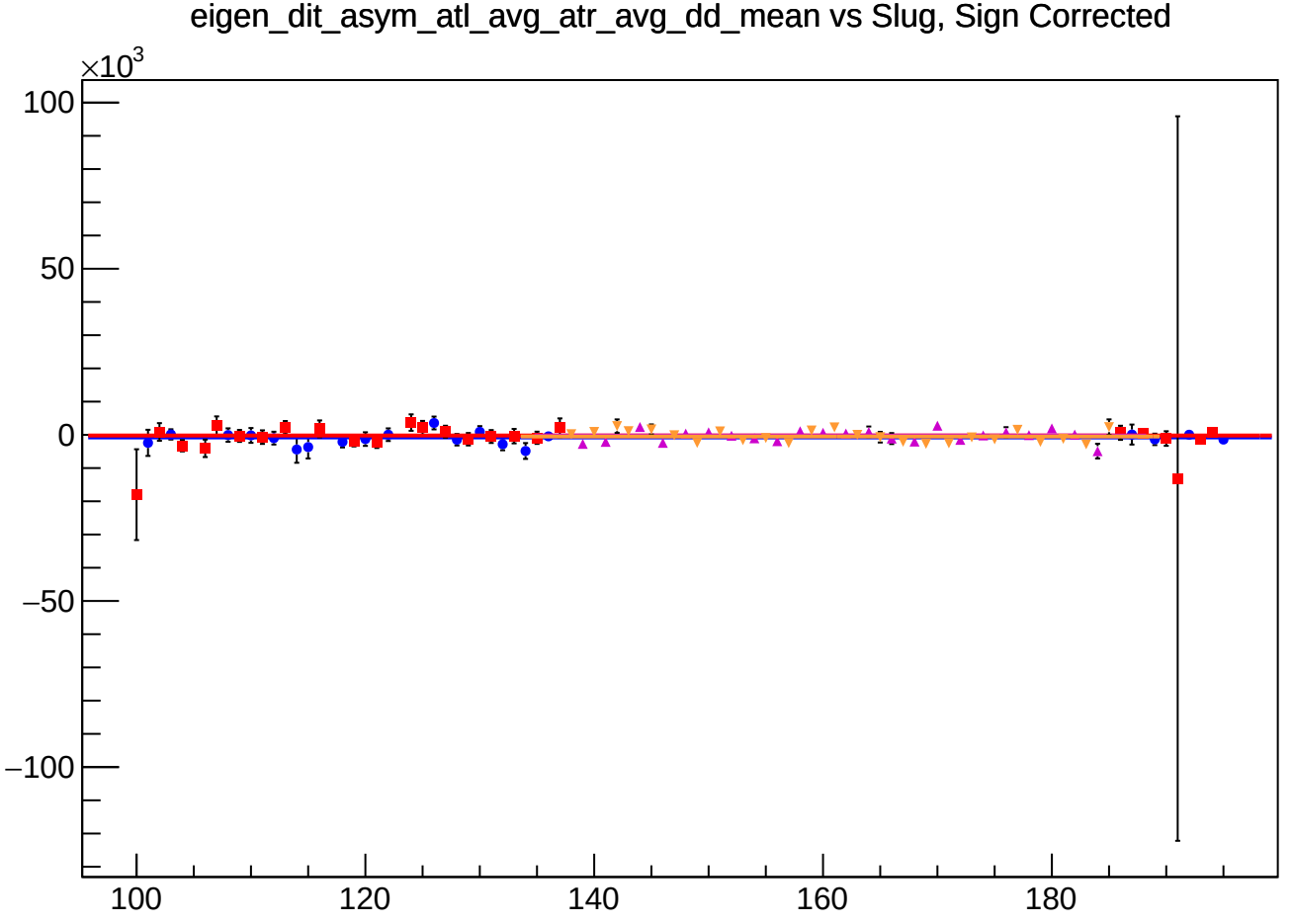
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 428.510+/-0.083 χ^2/NDF: 14600028.2/44

In: 297.016+/-0.045 χ^2/NDF:12099204.9/42

Out: 280.065+/-0.042 χ^2/NDF:16286591.4/49

All: 288.006+/-0.031 χ^2/NDF: 28461278.8/92



Right In: -767.808+/-417.551 χ^2/NDF: 14.4/19

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -206.473+/-399.026 χ^2/NDF: 19.8/24

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

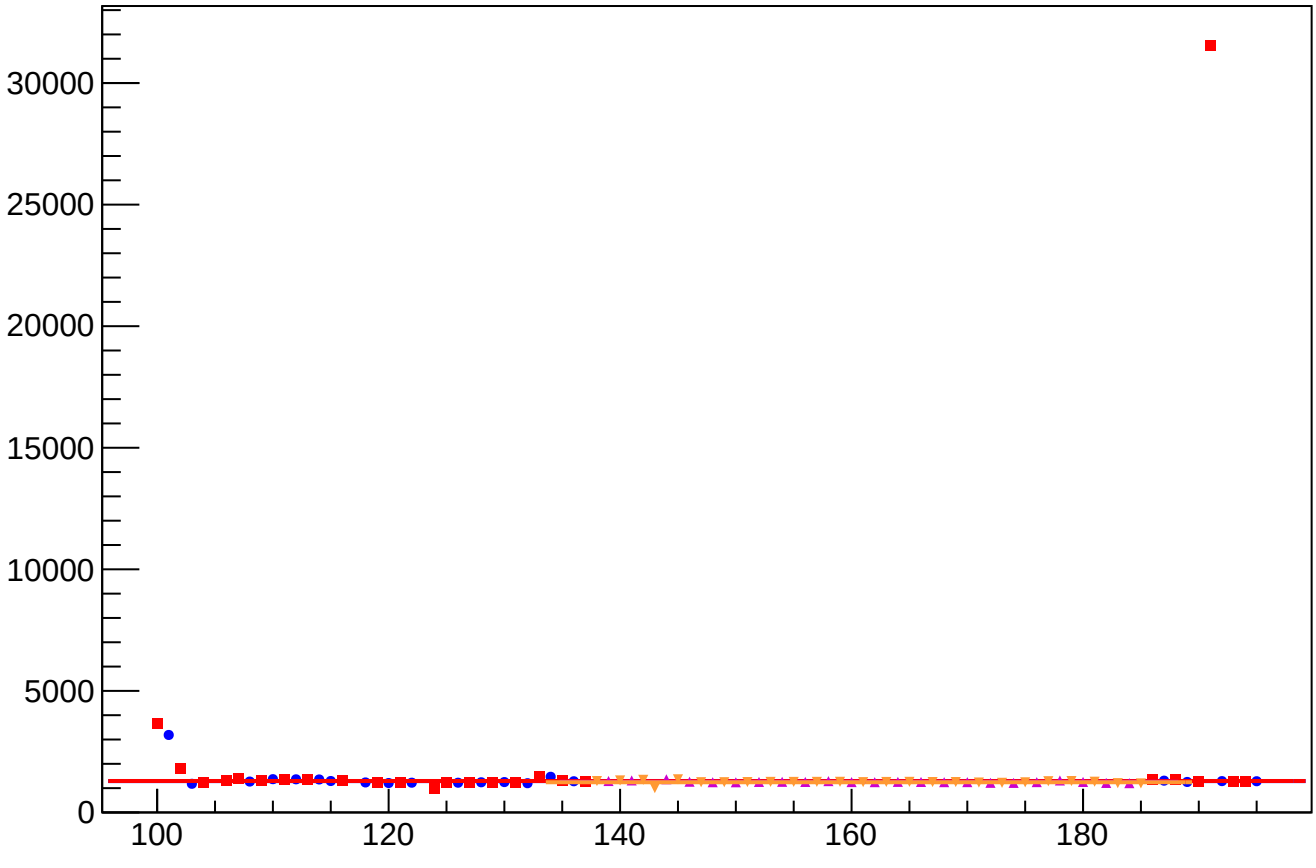
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -474.413+/-288.481 χ^2/NDF: 35.2/44

In: -416.549+/-240.575 χ^2/NDF:46.2/42

Out: -397.519+/-230.693 χ^2/NDF:54.4/49

All: -406.635+/-166.509 χ^2/NDF: 100.5/92



Right In: 1289.136+/-0.295 χ^2/NDF: 510390.0/19

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1294.248+/-0.282 χ^2/NDF: 371978.2/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

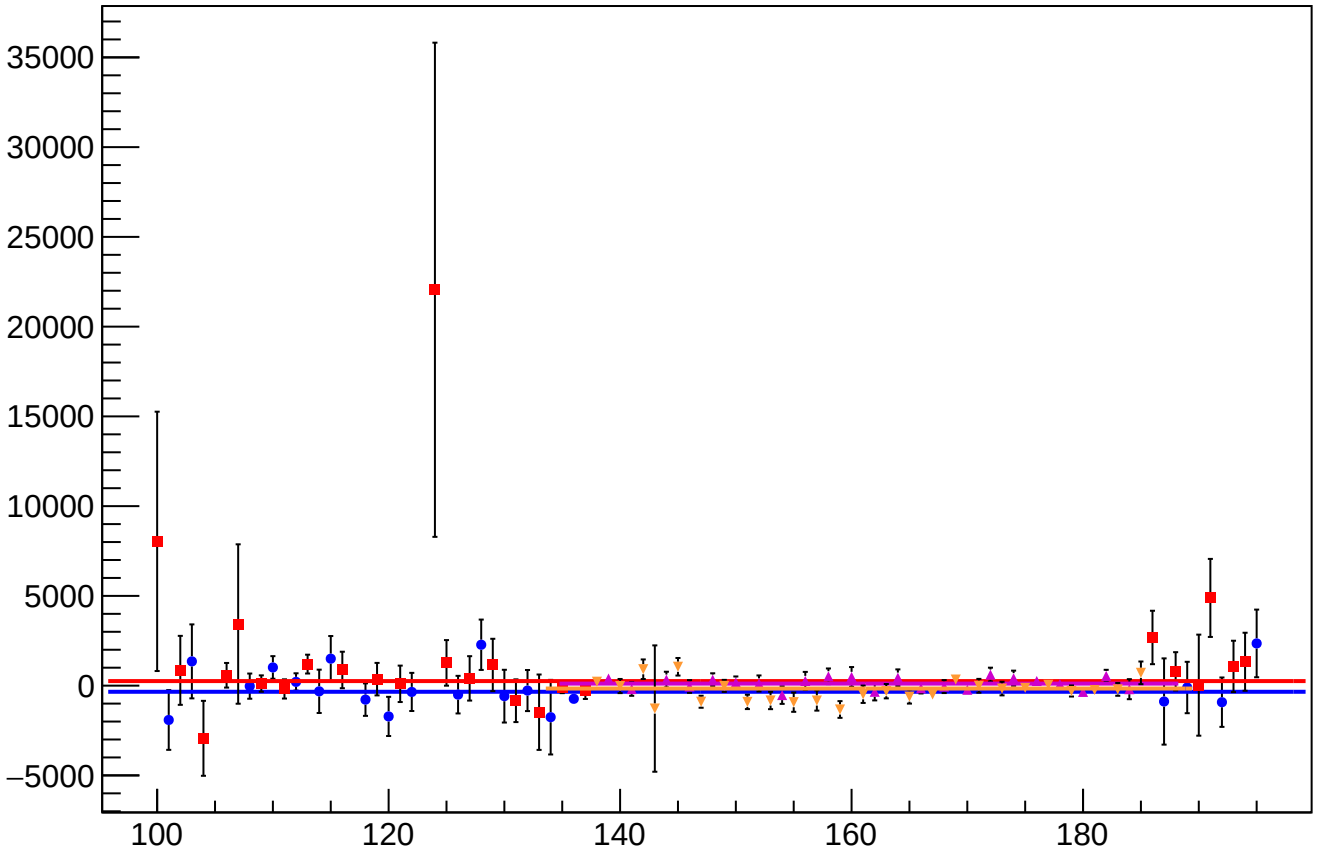
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1291.808+/-0.204 χ^2/NDF: 882524.9/44

In: 1269.734+/-0.170 χ^2/NDF:544785.7/42

Out: 1259.823+/-0.163 χ^2/NDF:524360.5/49

All: 1264.571+/-0.118 χ^2/NDF: 1070914.7/92



Right In: -341.534+/-166.472 χ^2/NDF: 20.7/19

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 254.074+/-163.781 χ^2/NDF: 24.4/24

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

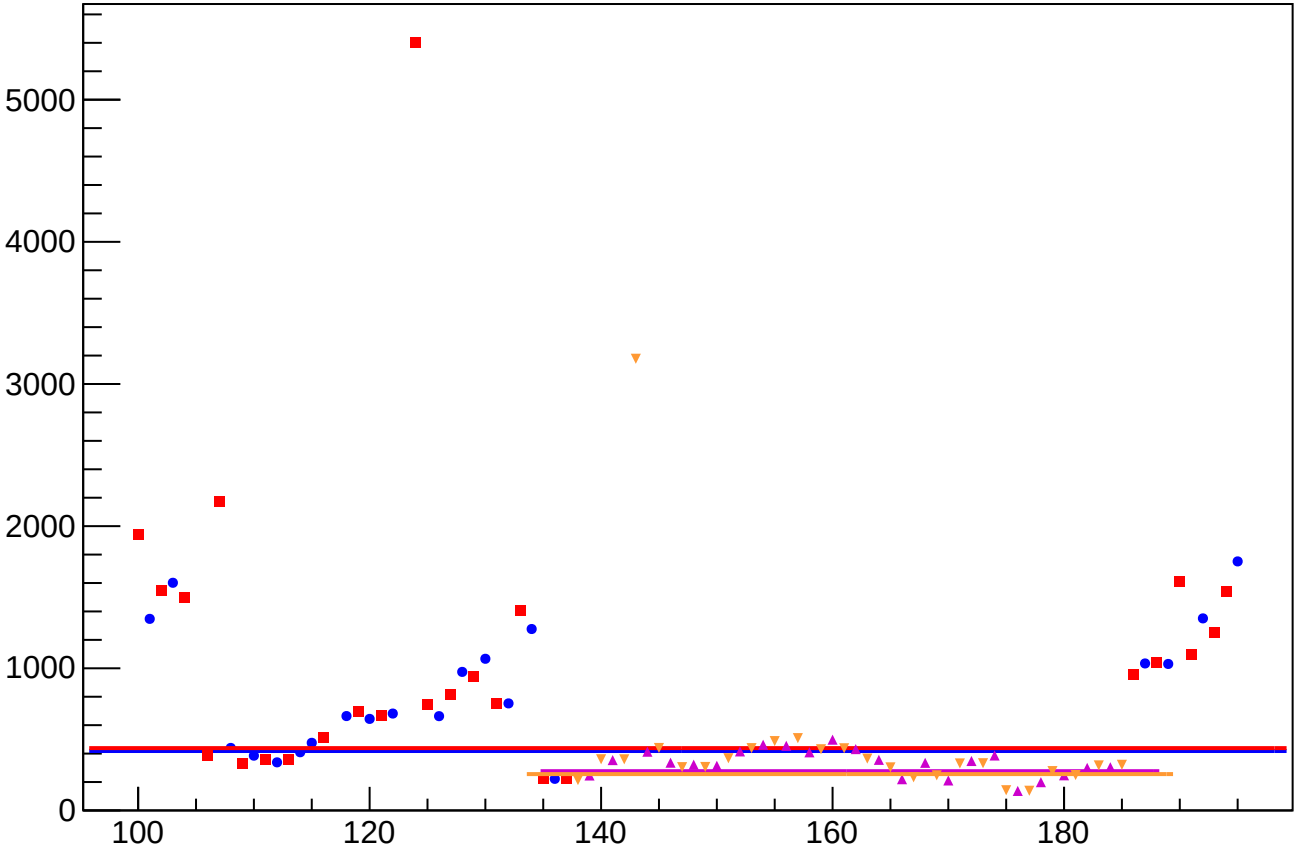
Right: -38.878+/-116.750 χ^2/NDF: 51.6/44

In: 47.238+/-63.616 χ^2/NDF:45.3/42

Out: -105.759+/-59.718 χ^2/NDF:73.7/49

All: -34.091+/-43.540 χ^2/NDF: 122.1/92

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 418.176+/-0.118 χ^2/NDF: 6831147.2/19

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 438.532+/-0.116 χ^2/NDF: 7753231.8/24

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

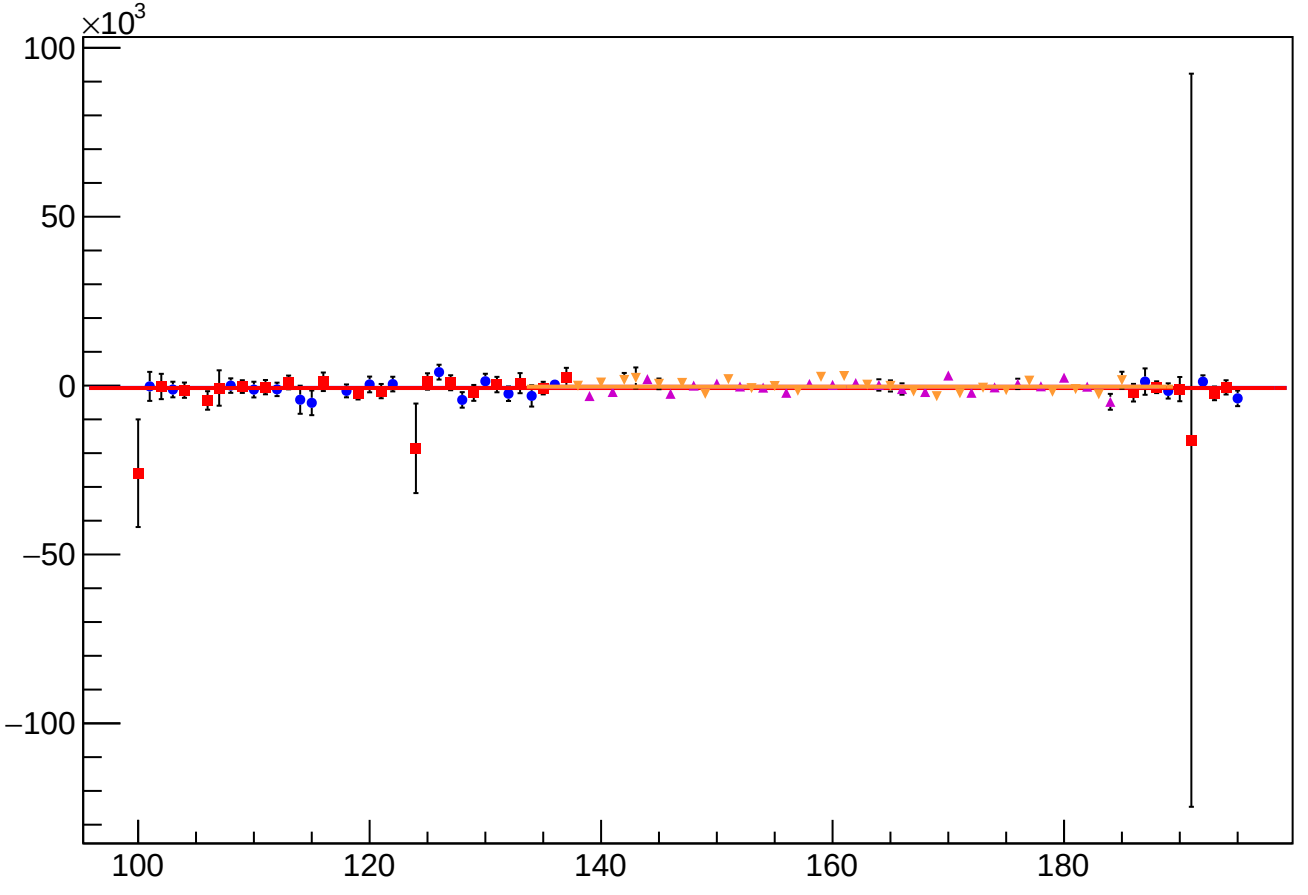
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 428.520+/-0.083 χ^2/NDF: 14599575.3/44

In: 297.018+/-0.045 χ^2/NDF:12099071.2/42

Out: 280.067+/-0.042 χ^2/NDF:16286409.1/49

All: 288.007+/-0.031 χ^2/NDF: 28460958.2/92



Right In: -678.813+/-508.359 χ^2/NDF: 15.6/19

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -724.004+/-491.743 χ^2/NDF: 12.3/24

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

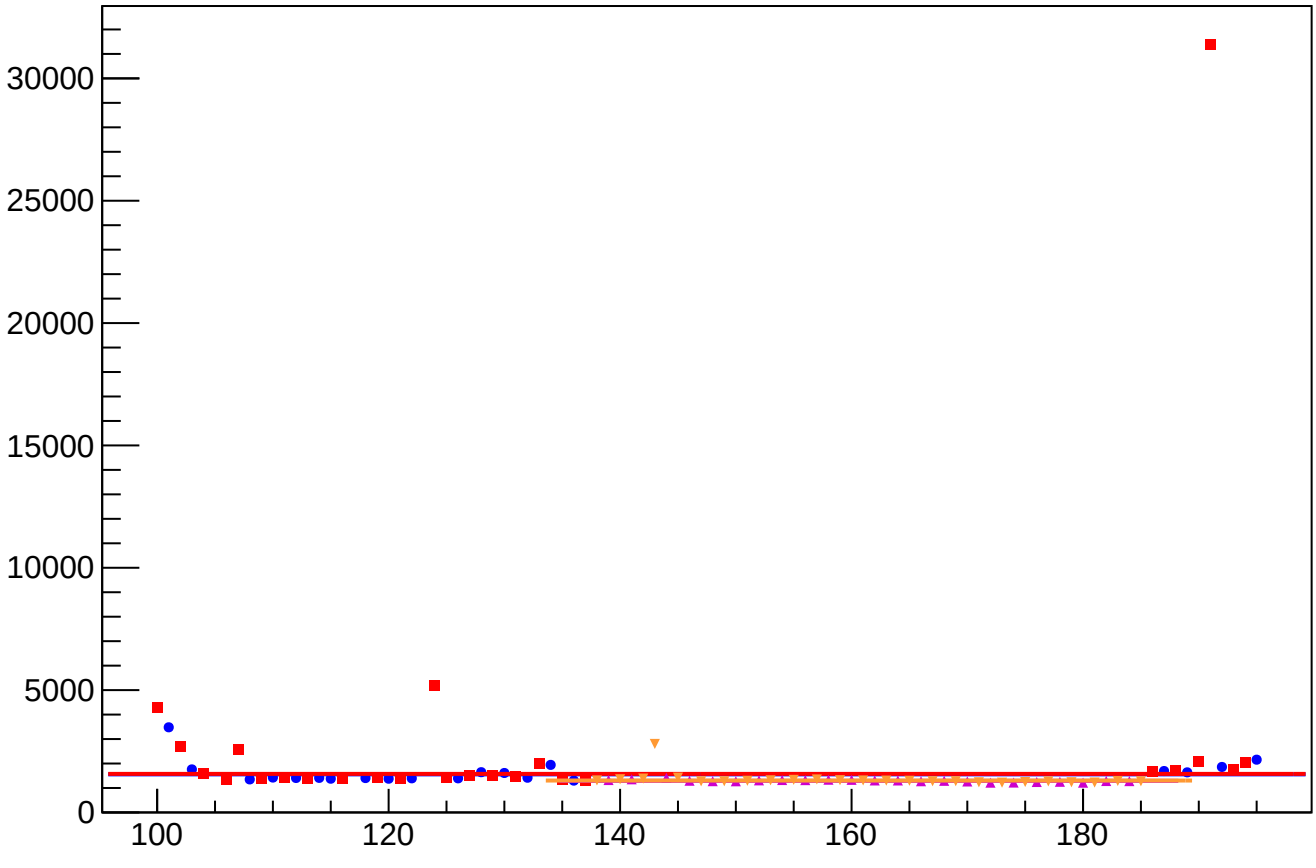
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -702.159+/-353.443 χ^2/NDF: 28.0/44

In: -440.454+/-259.578 χ^2/NDF:45.6/42

Out: -428.473+/-255.024 χ^2/NDF:44.4/49

All: -434.357+/-181.918 χ^2/NDF: 90.0/92



Right In: 1556.304+/-0.359 χ^2/NDF: 807782.1/19

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1576.180+/-0.348 χ^2/NDF: 975572.1/24

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

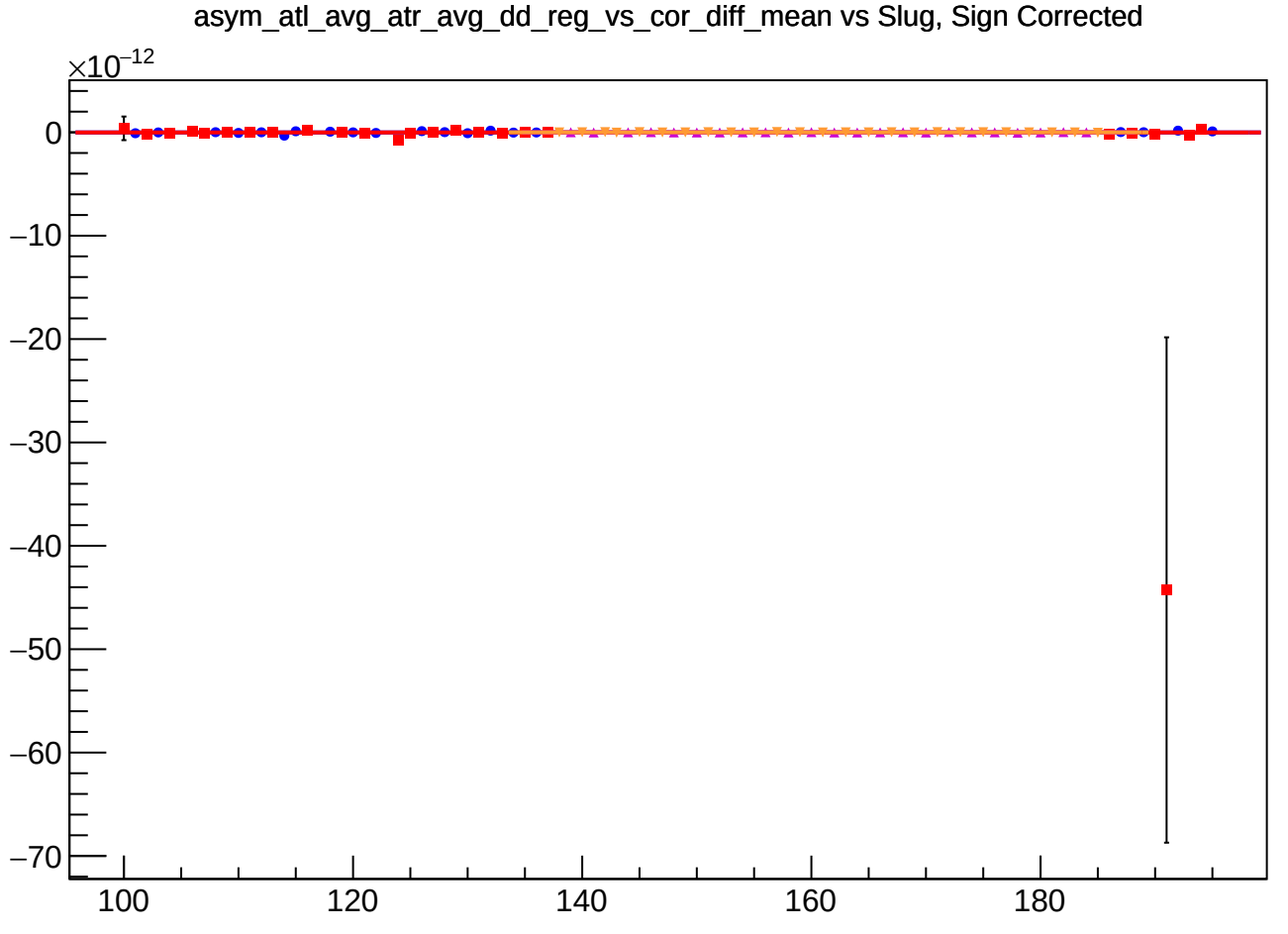
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1566.572+/-0.250 χ^2/NDF: 1784933.6/44

In: 1361.004+/-0.184 χ^2/NDF:1255422.4/42

Out: 1377.320+/-0.180 χ^2/NDF:1942596.5/49

All: 1369.306+/-0.129 χ^2/NDF: 3202039.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/24

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: 42.4/44

In: -0.000+/-0.000 χ^2/NDF:42.3/42

Out: -0.000+/-0.000 χ^2/NDF:58.5/49

All: -0.000+/-0.000 χ^2/NDF: 101.2/92

Right In: 0.000+/-0.000 χ^2/NDF: 4556088.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5914951.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

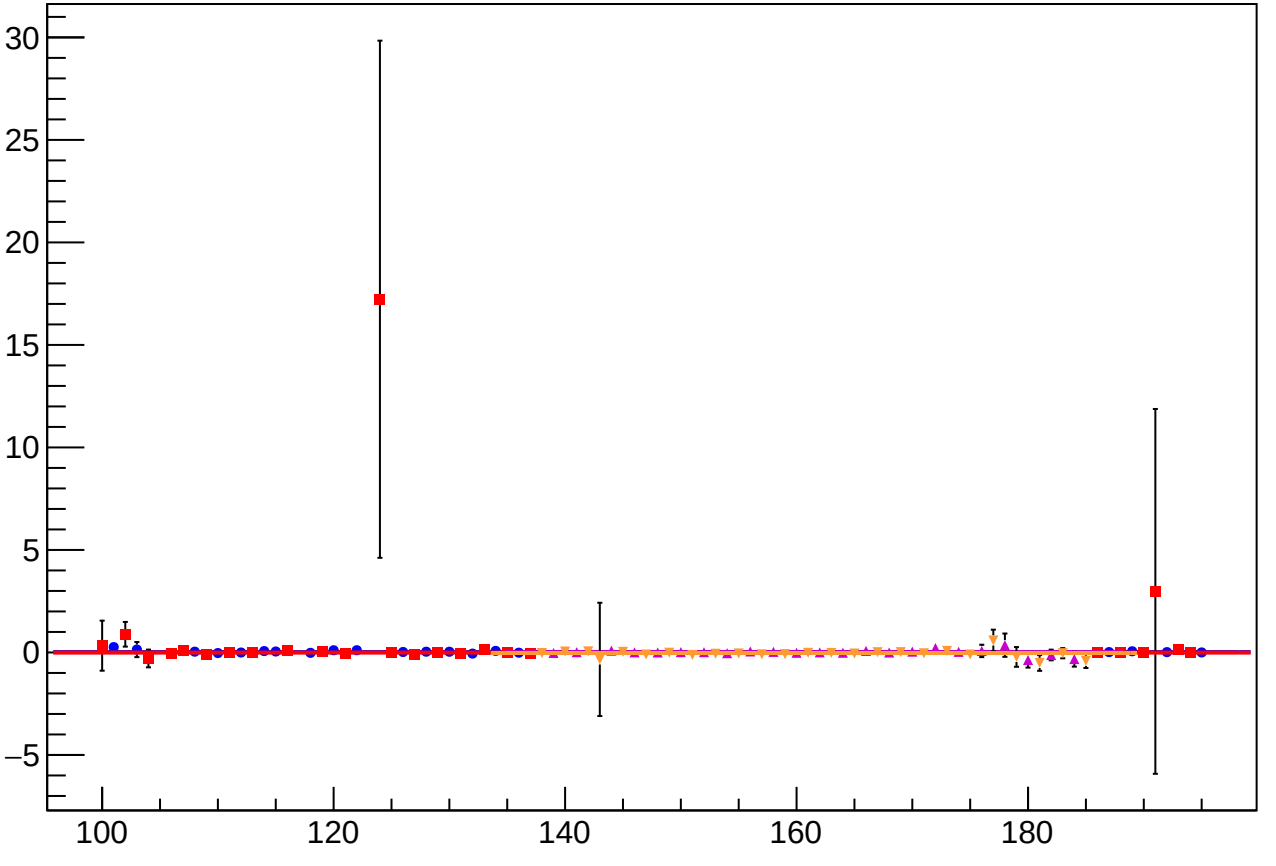
Right: 0.000+/-0.000 χ^2/NDF: 10475492.1/44

In: 0.000+/-0.000 χ^2/NDF:7012564.9/42

Out: 0.000+/-0.000 χ^2/NDF:9346577.5/49

All: 0.000+/-0.000 χ^2/NDF: 16385143.4/92

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

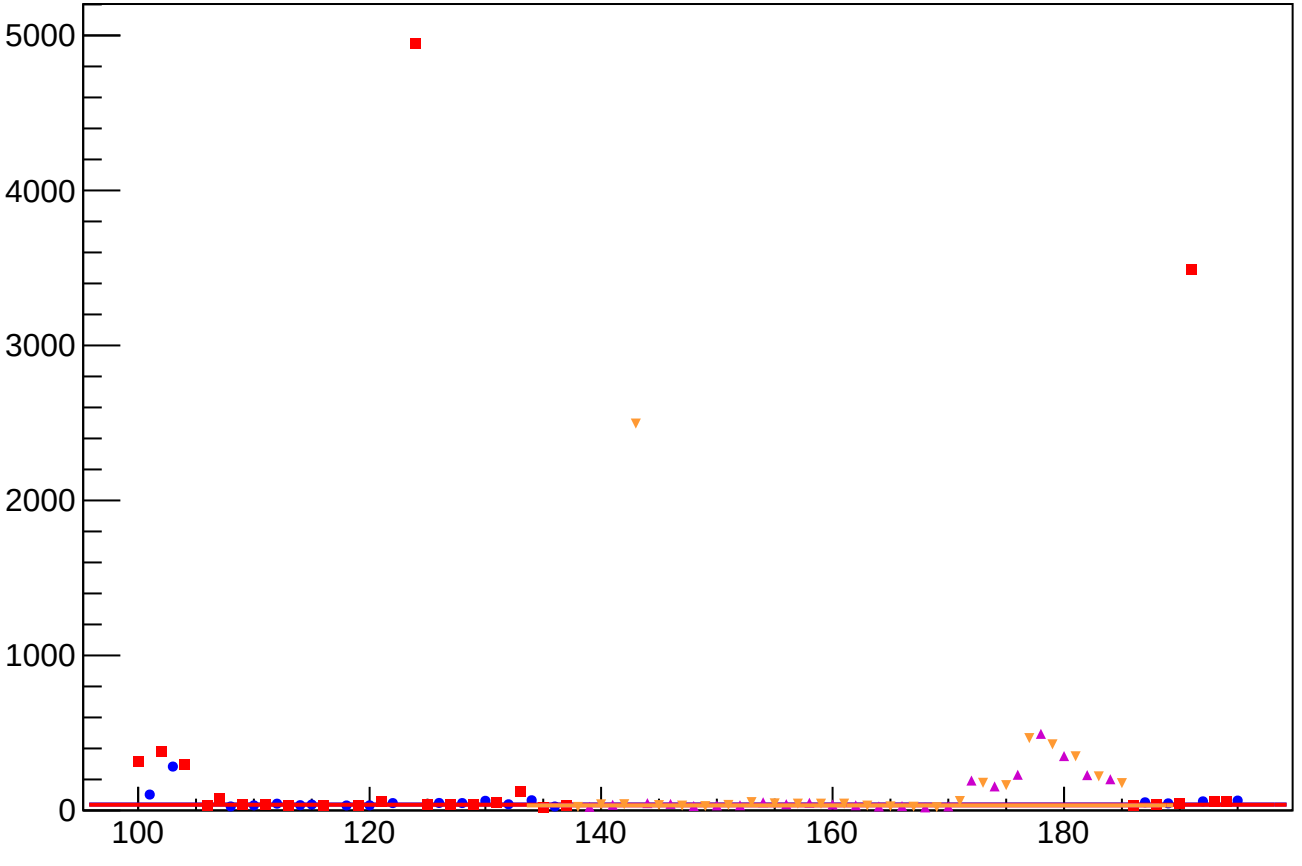
Right: 0.005+/-0.010 χ^2/NDF: 33.3/44

In: 0.013+/-0.008 χ^2/NDF:25.2/42

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/92

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

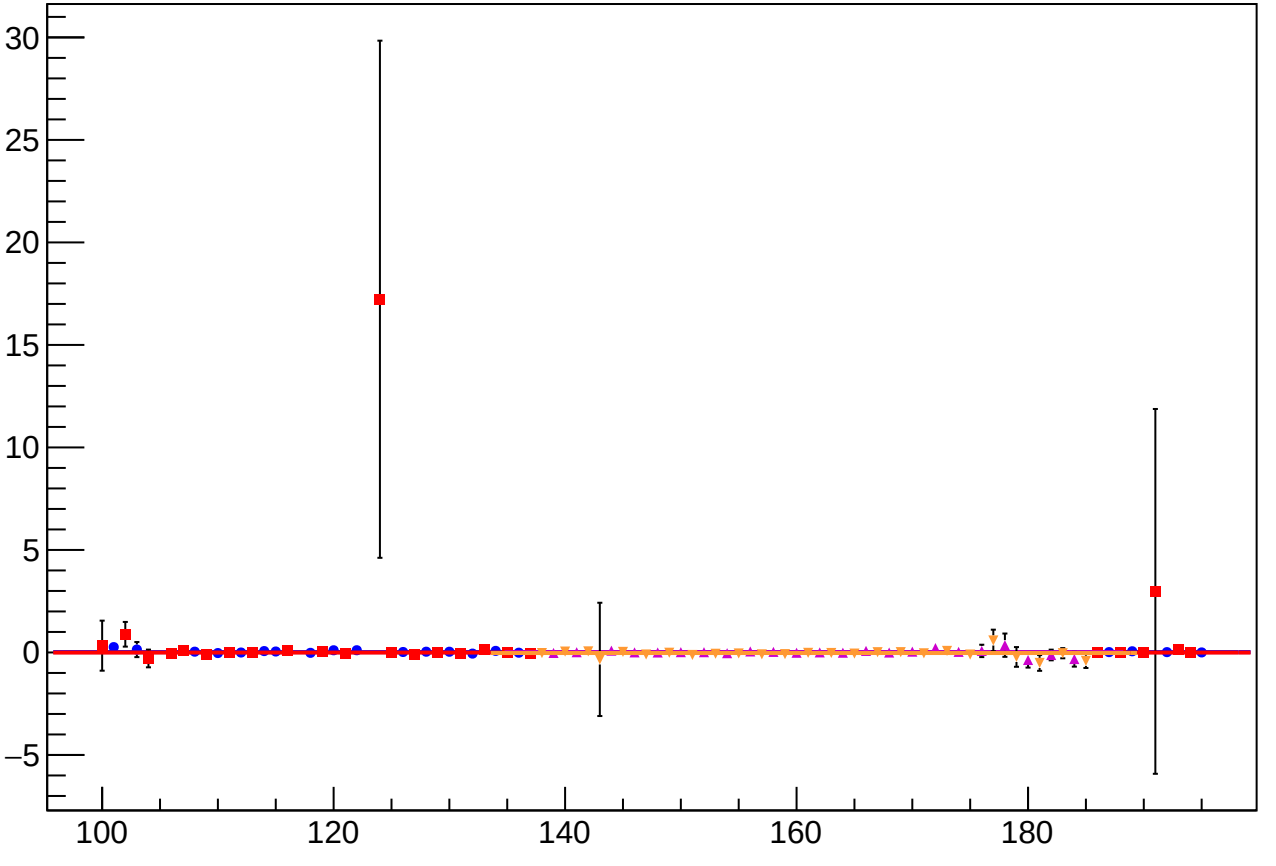
Right: 37.640+/-0.007 χ^2/NDF: 6591794.0/44

In: 34.503+/-0.006 χ^2/NDF:11987257.6/42

Out: 34.014+/-0.005 χ^2/NDF:14791458.8/49

All: 34.253+/-0.004 χ^2/NDF: 26782613.2/92

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

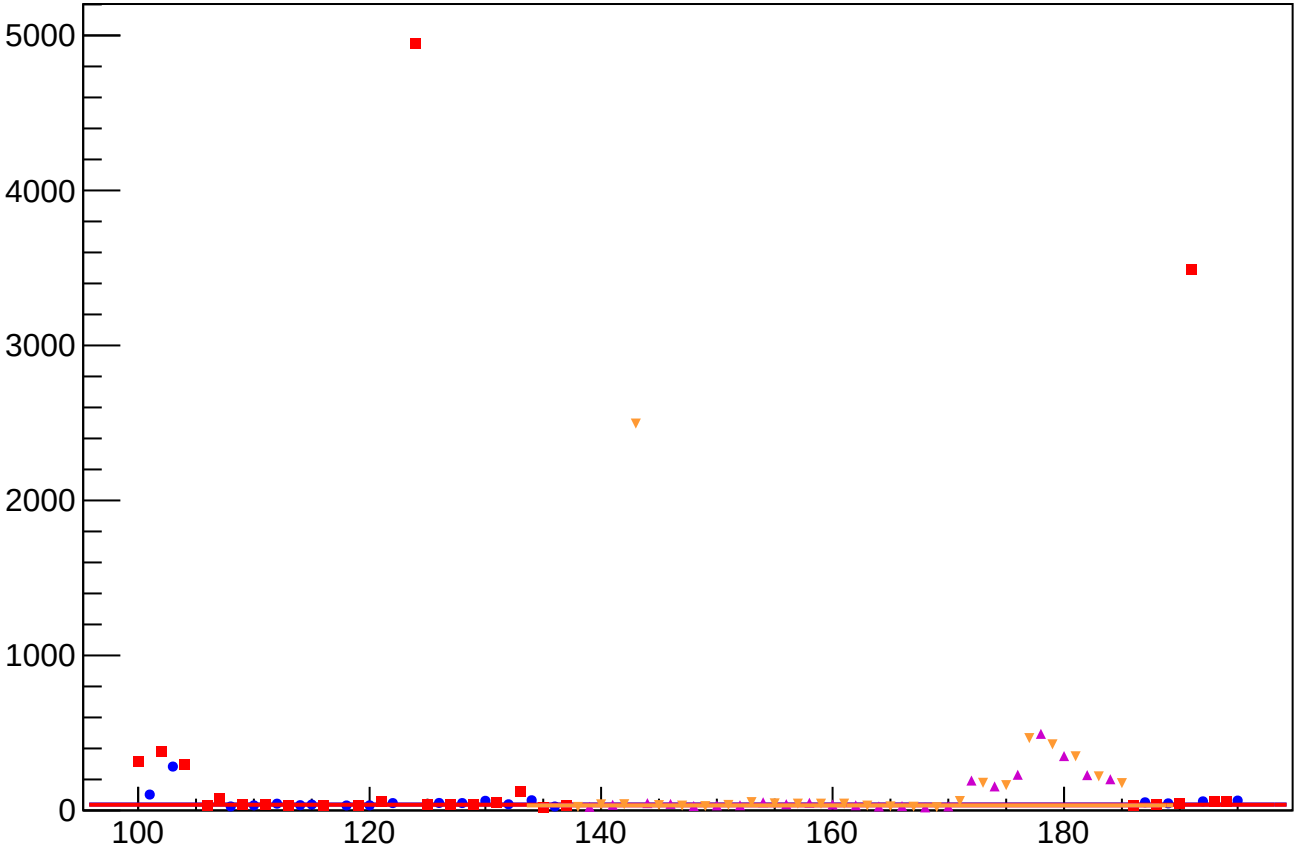
Right: 0.005+/-0.010 χ^2/NDF: 33.3/44

In: 0.013+/-0.008 χ^2/NDF:25.2/42

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/92

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

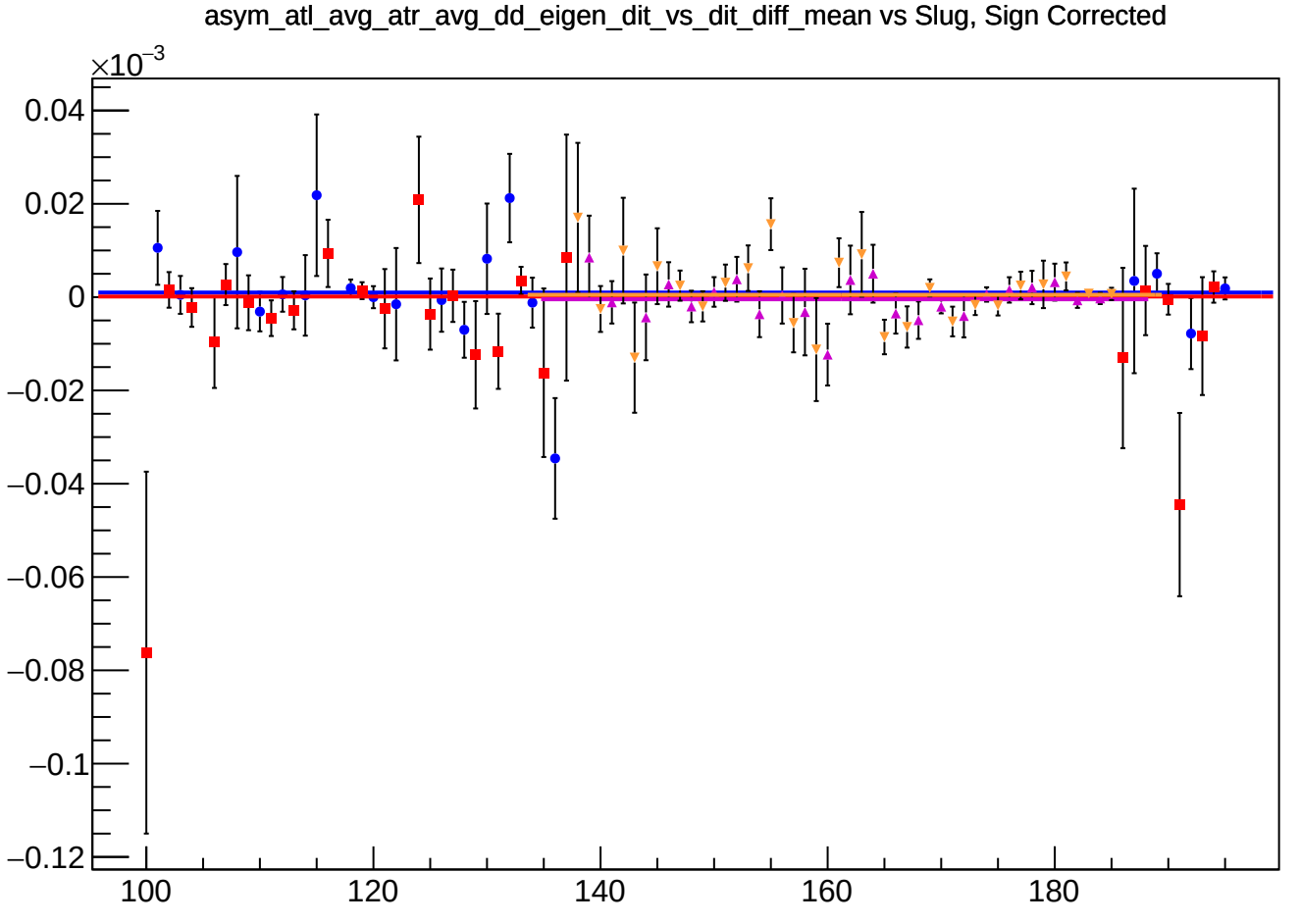
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 37.640+/-0.007 χ^2/NDF: 6591794.0/44

In: 34.503+/-0.006 χ^2/NDF:11987257.6/42

Out: 34.014+/-0.005 χ^2/NDF:14791458.8/49

All: 34.253+/-0.004 χ^2/NDF: 26782613.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/24

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

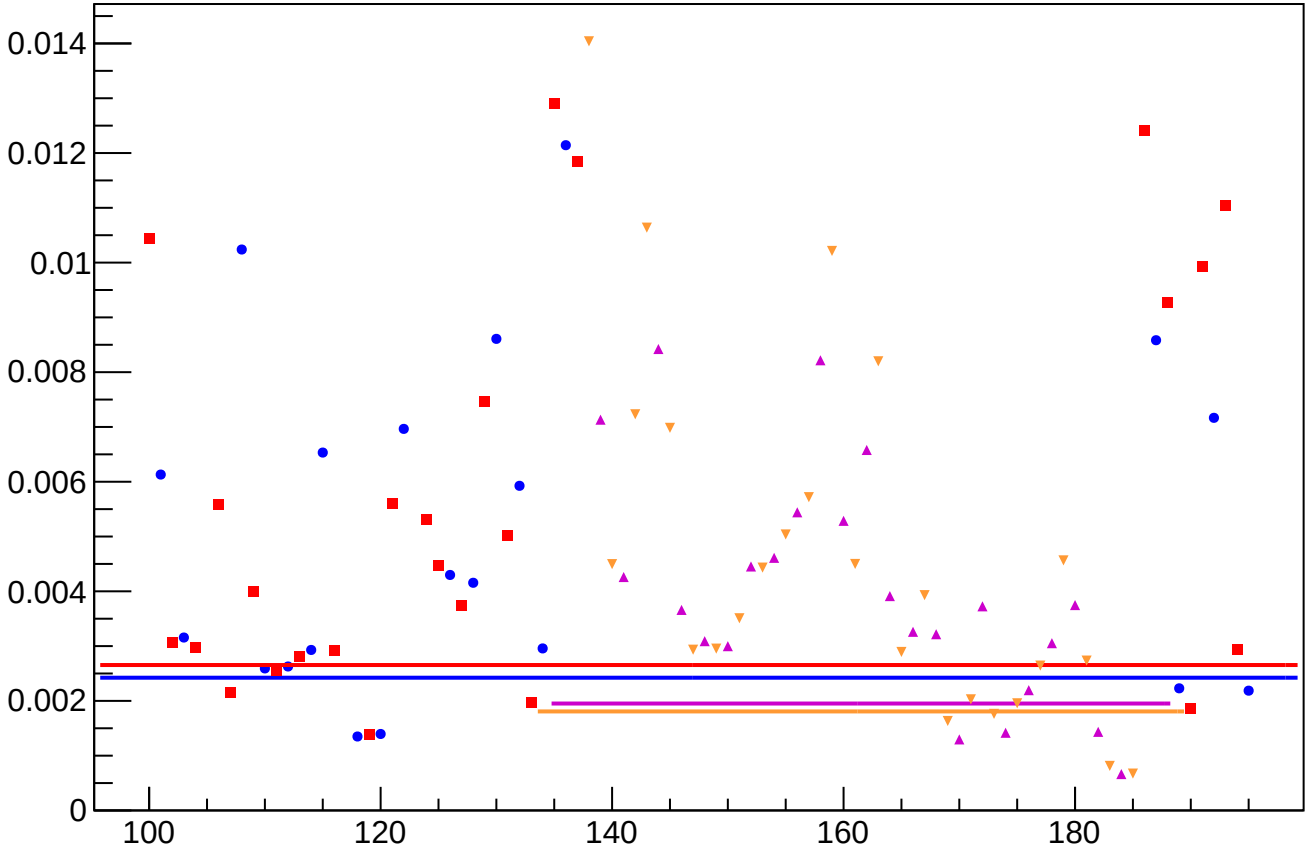
Right: 0.000+/-0.000 χ^2/NDF: 46.5/44

In: -0.000+/-0.000 χ^2/NDF:36.8/42

Out: 0.000+/-0.000 χ^2/NDF:60.4/49

All: 0.000+/-0.000 χ^2/NDF: 97.7/92

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5718326.9/19

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6184135.6/24

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

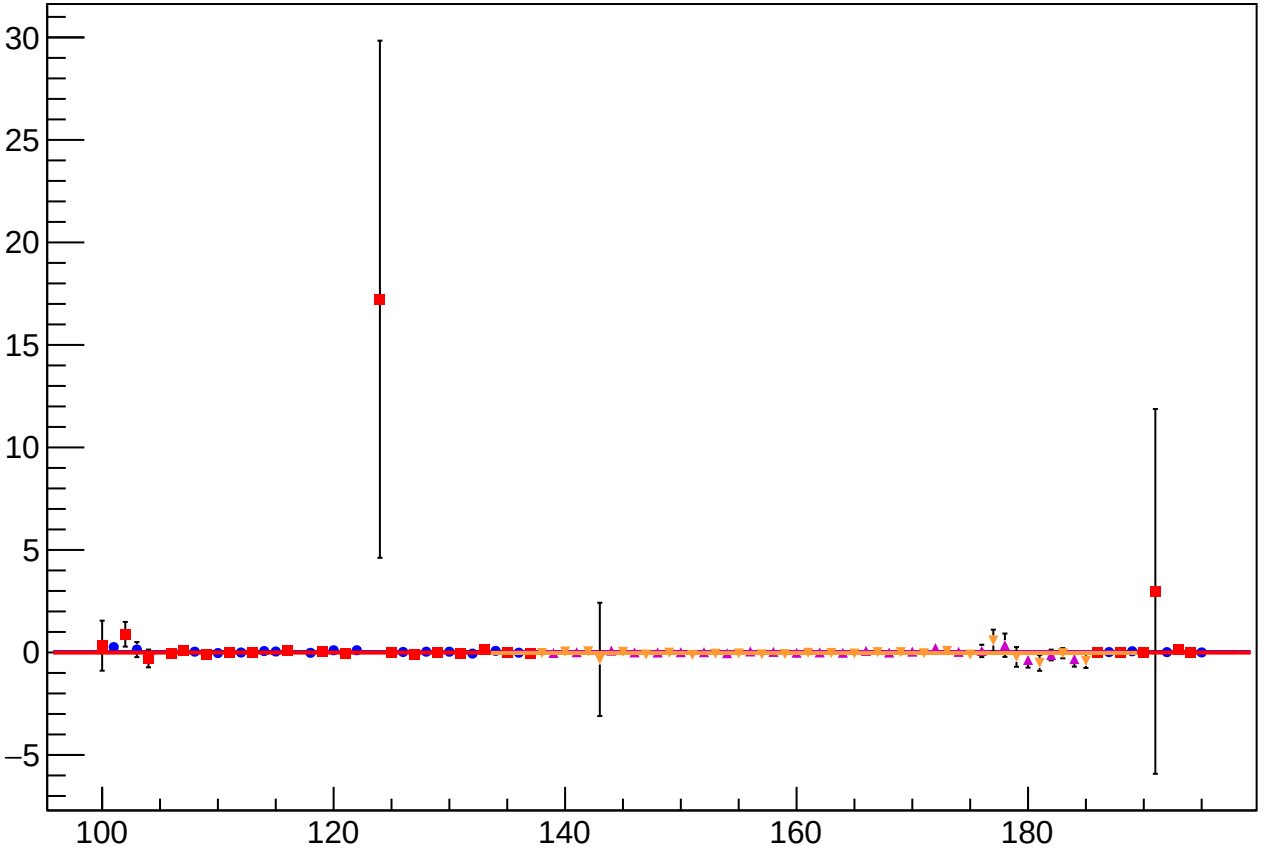
Right: 0.003+/-0.000 χ^2/NDF: 11960185.4/44

In: 0.002+/-0.000 χ^2/NDF:17543392.8/42

Out: 0.002+/-0.000 χ^2/NDF:22301994.9/49

All: 0.002+/-0.000 χ^2/NDF: 39862416.7/92

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

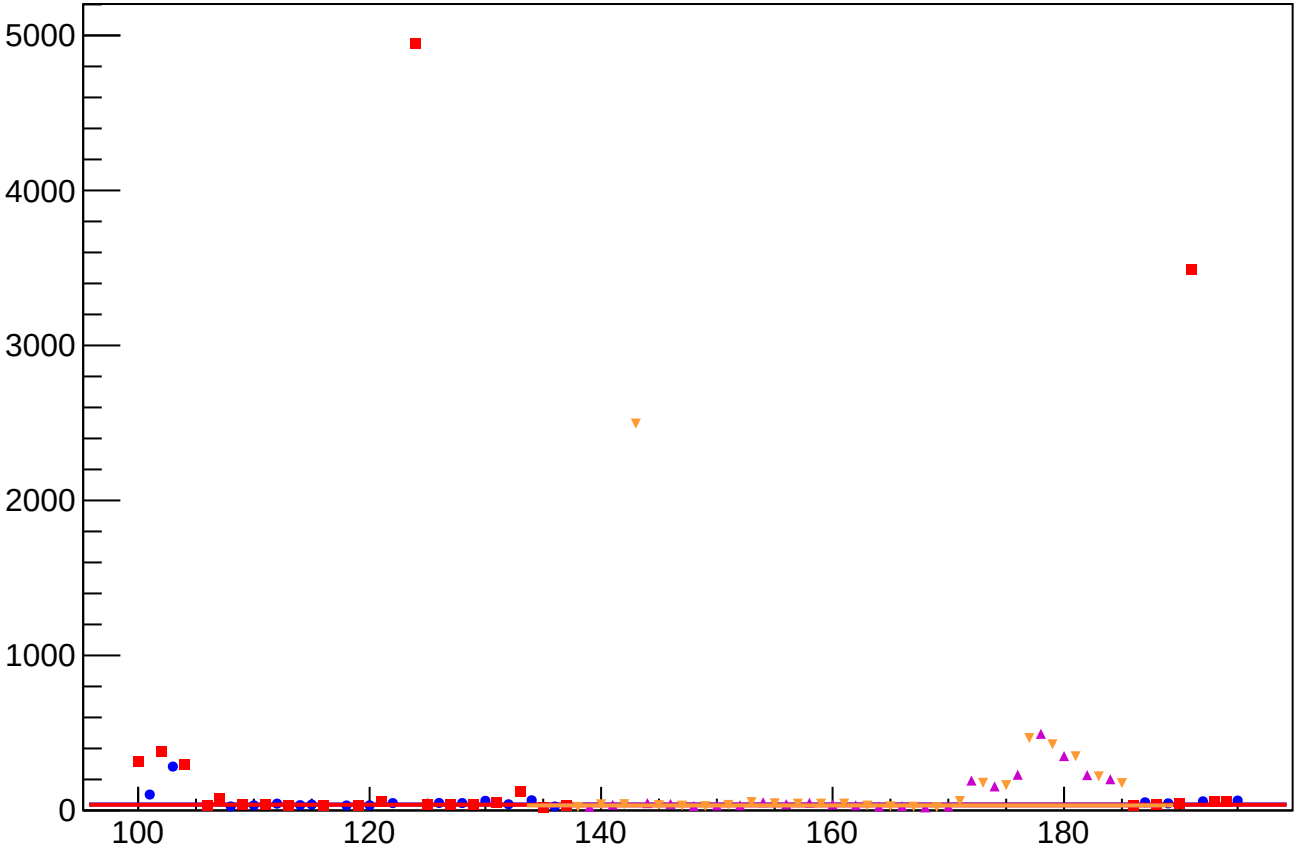
Right: 0.005+/-0.010 χ^2/NDF: 33.3/44

In: 0.013+/-0.008 χ^2/NDF:25.2/42

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/92

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

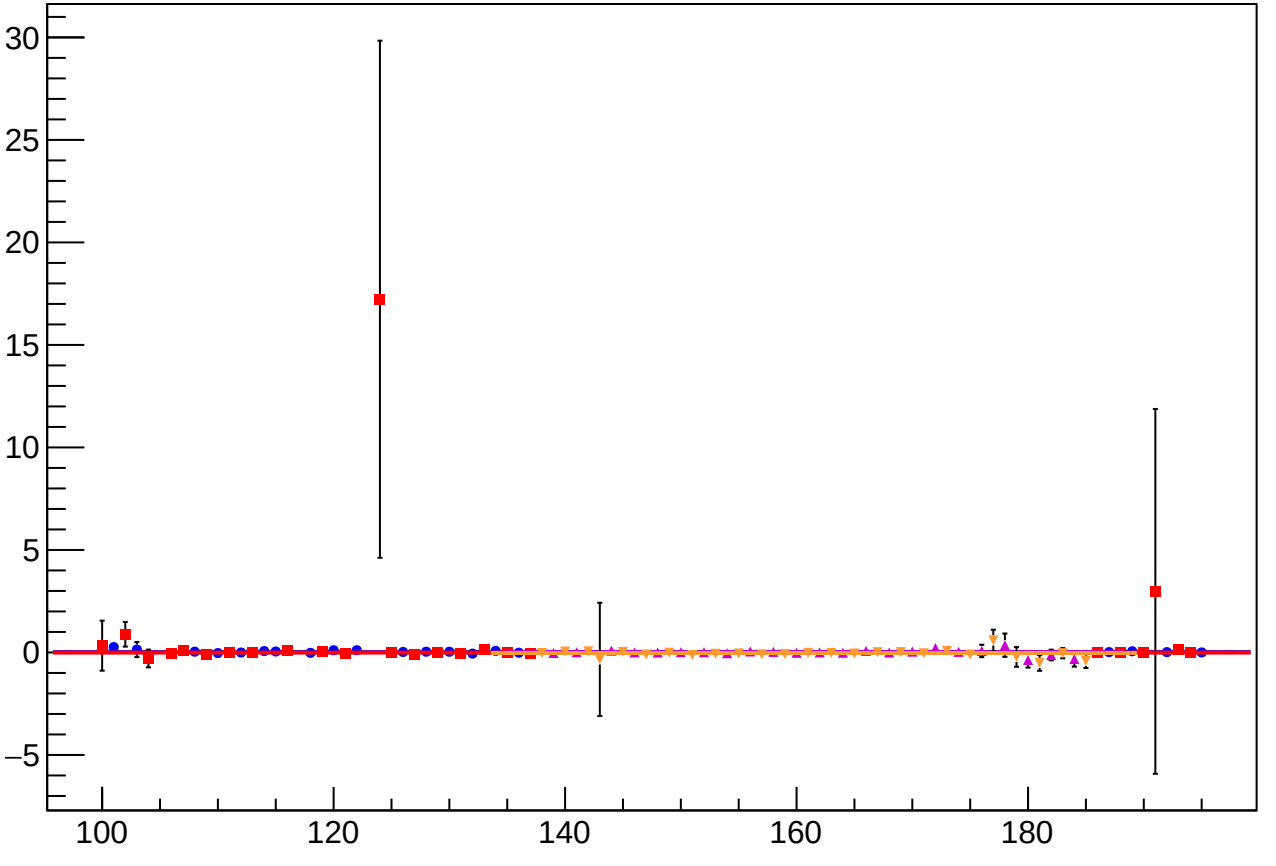
Right: 37.640+/-0.007 χ^2/NDF: 6591157.6/44

In: 34.502+/-0.006 χ^2/NDF:11987685.7/42

Out: 34.014+/-0.005 χ^2/NDF:14791500.0/49

All: 34.253+/-0.004 χ^2/NDF: 26783074.0/92

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

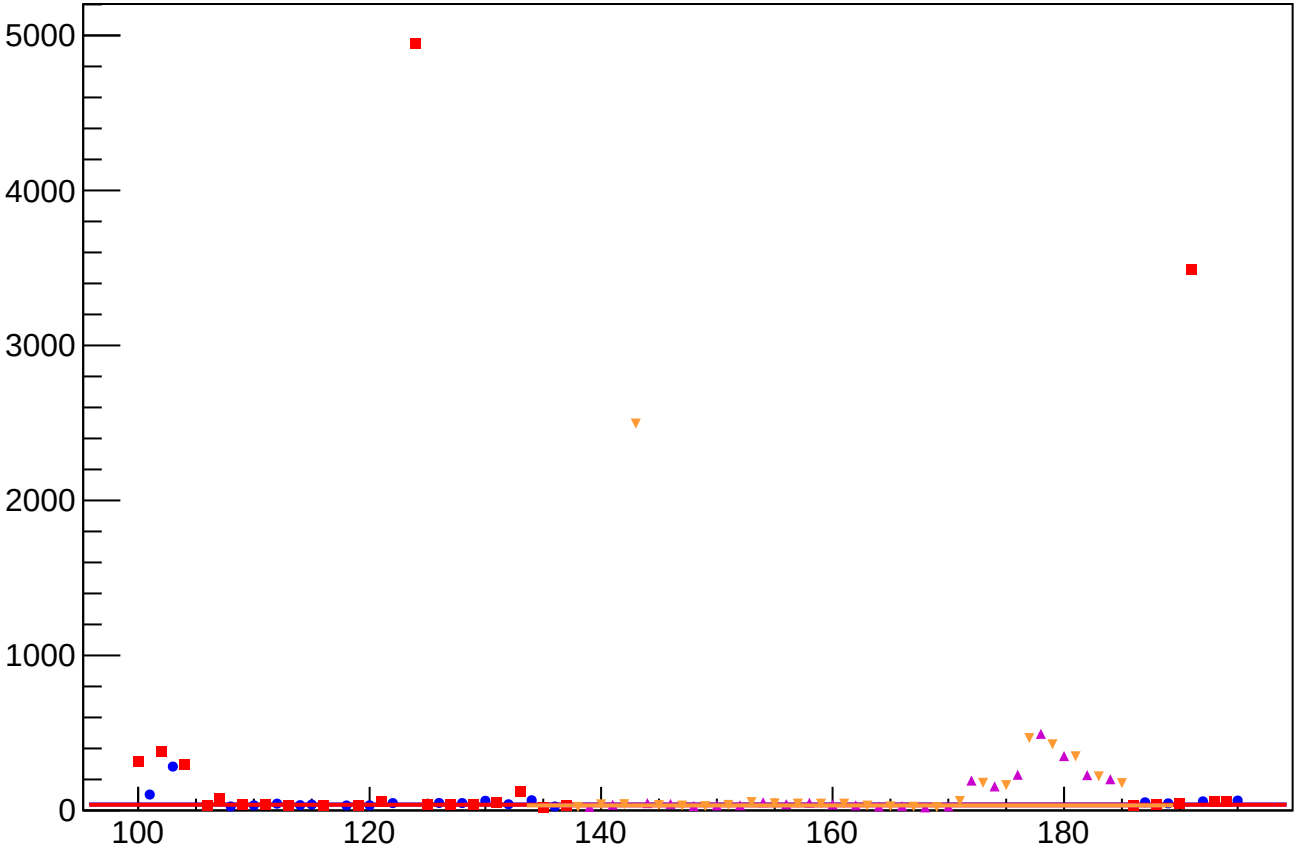
Right: 0.005+/-0.010 χ^2/NDF: 33.3/44

In: 0.013+/-0.008 χ^2/NDF:25.2/42

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/92

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

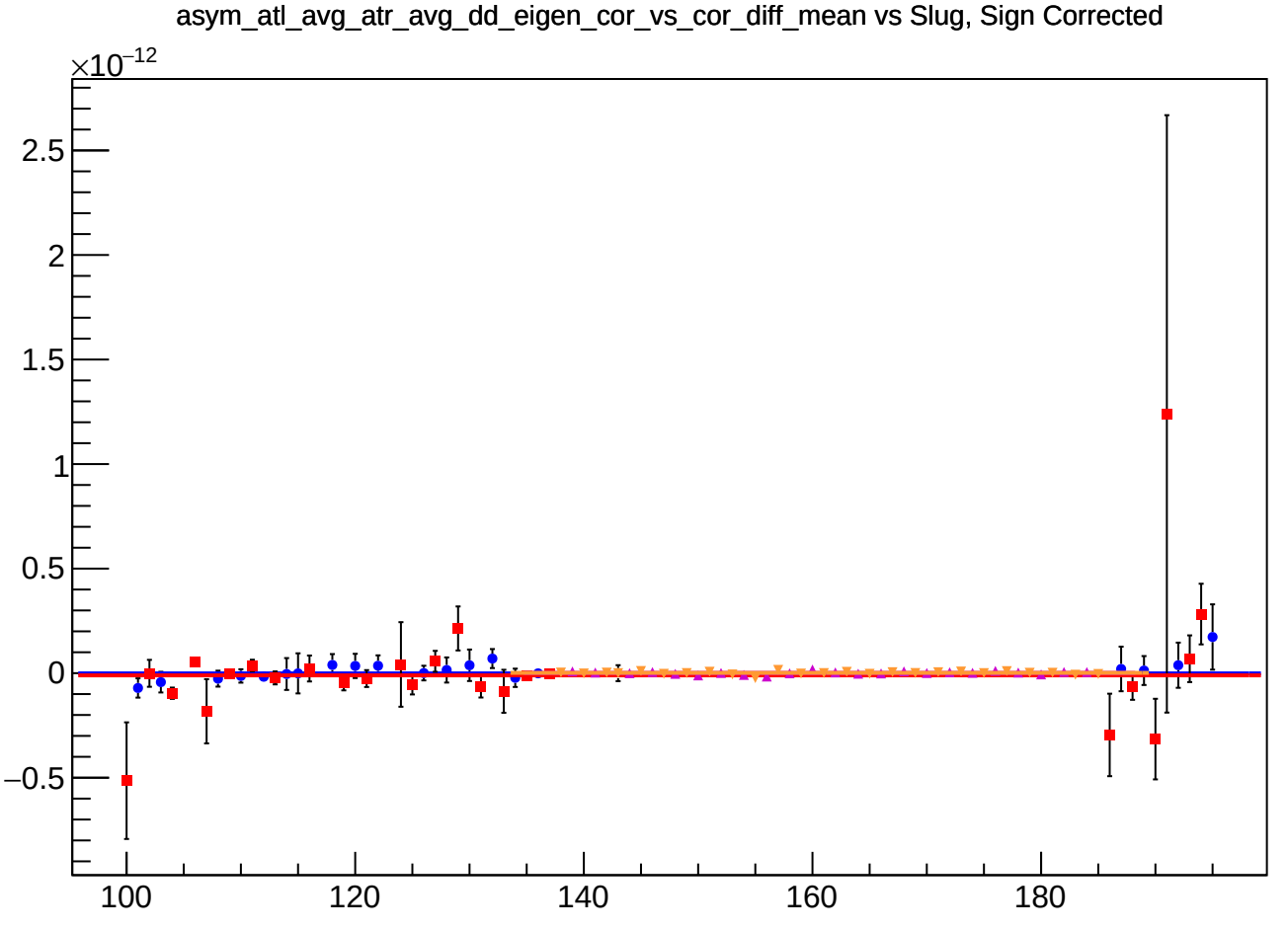
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 37.640+/-0.007 χ^2/NDF: 6591157.6/44

In: 34.502+/-0.006 χ^2/NDF:11987685.7/42

Out: 34.014+/-0.005 χ^2/NDF:14791500.0/49

All: 34.253+/-0.004 χ^2/NDF: 26783074.0/92



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.5/24

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

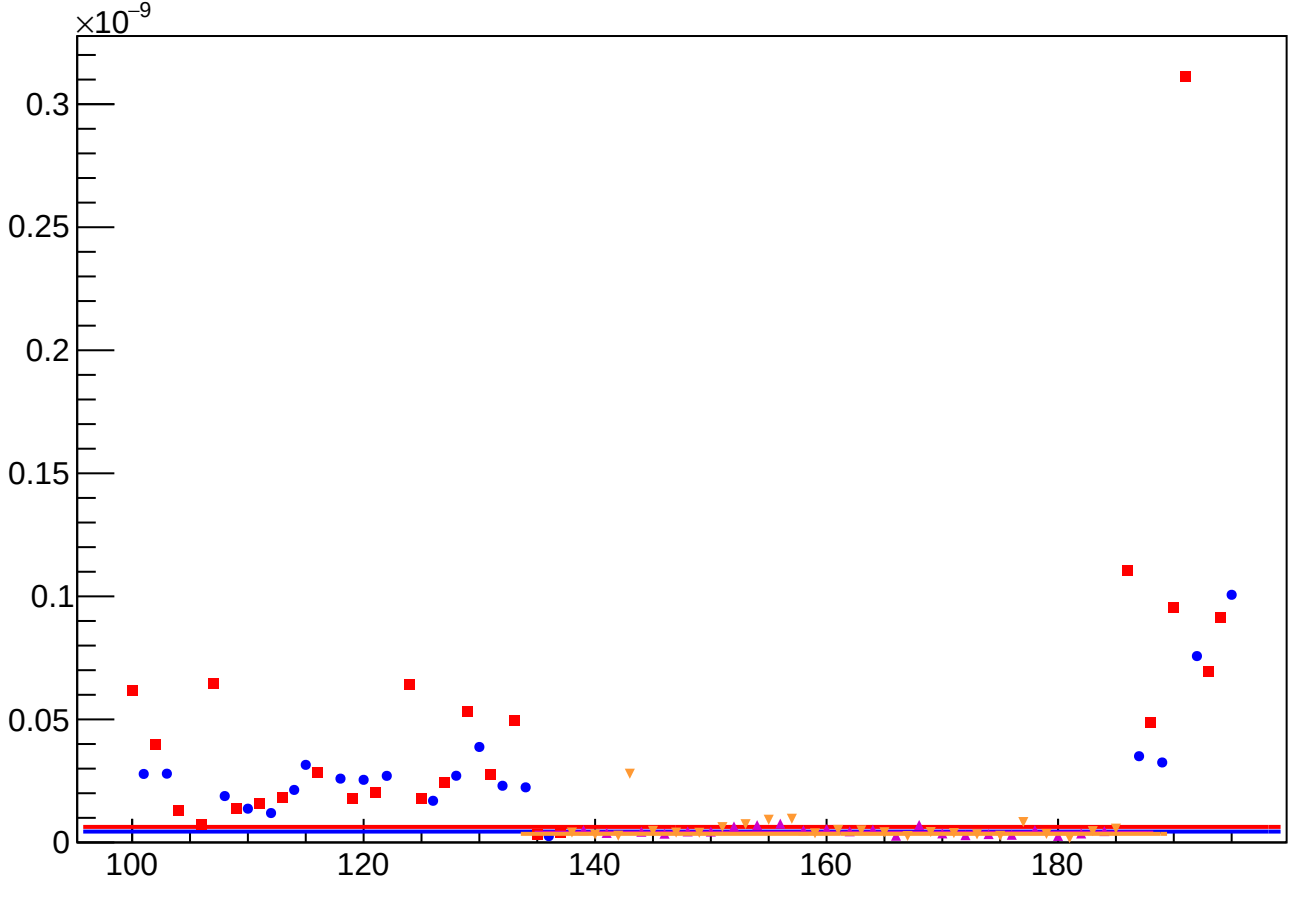
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 63.5/44

In: 0.000+/-0.000 χ^2/NDF:39.2/42

Out: 0.000+/-0.000 χ^2/NDF:76.3/49

All: 0.000+/-0.000 χ^2/NDF: 115.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 7214013.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8146362.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

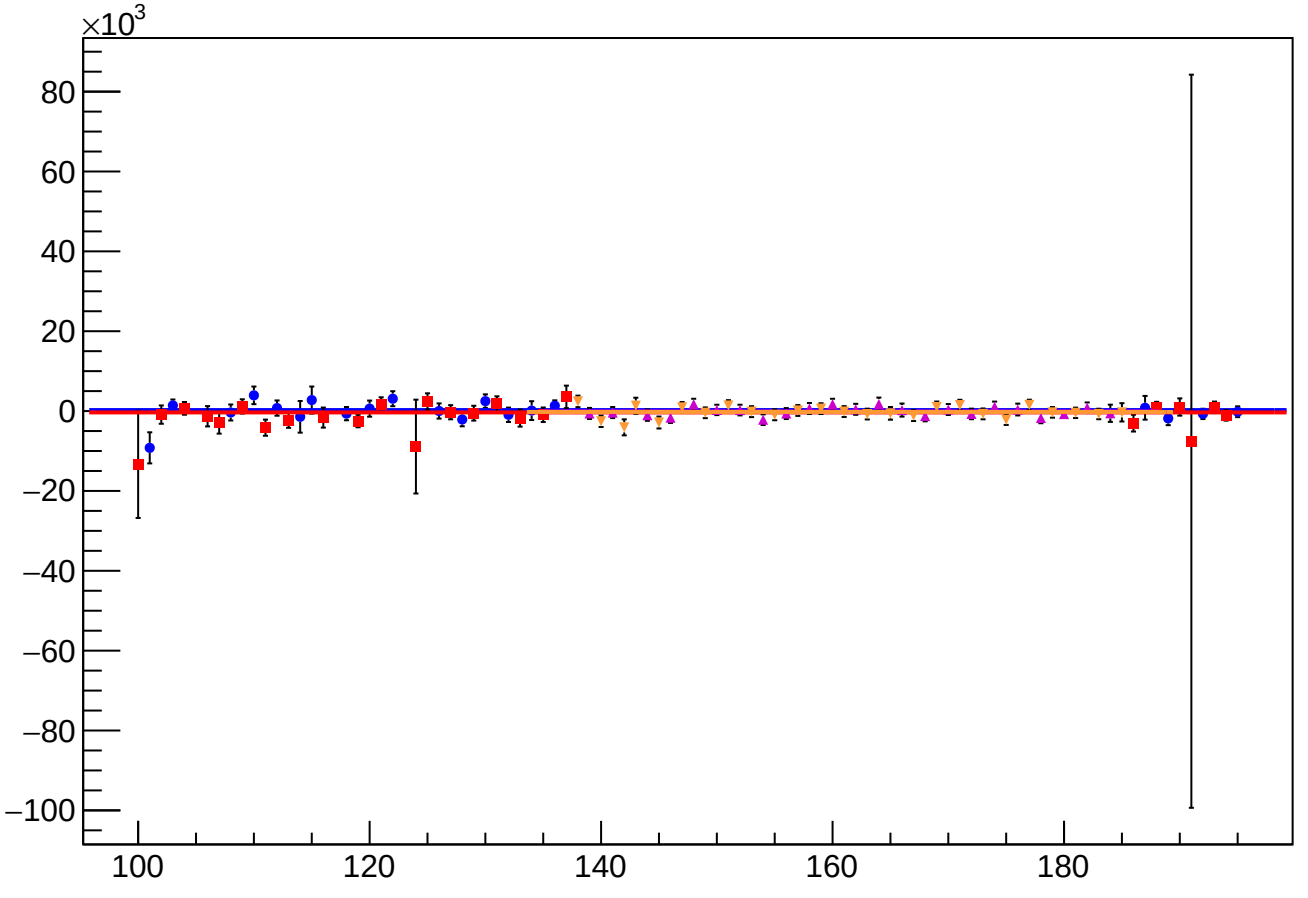
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15608143.6/44

In: 0.000+/-0.000 χ^2/NDF:9318177.6/42

Out: 0.000+/-0.000 χ^2/NDF:13698019.1/49

All: 0.000+/-0.000 χ^2/NDF: 23128560.4/92



Right In: 249.022+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -336.374+/-396.306 χ^2/NDF: 21.0/24

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

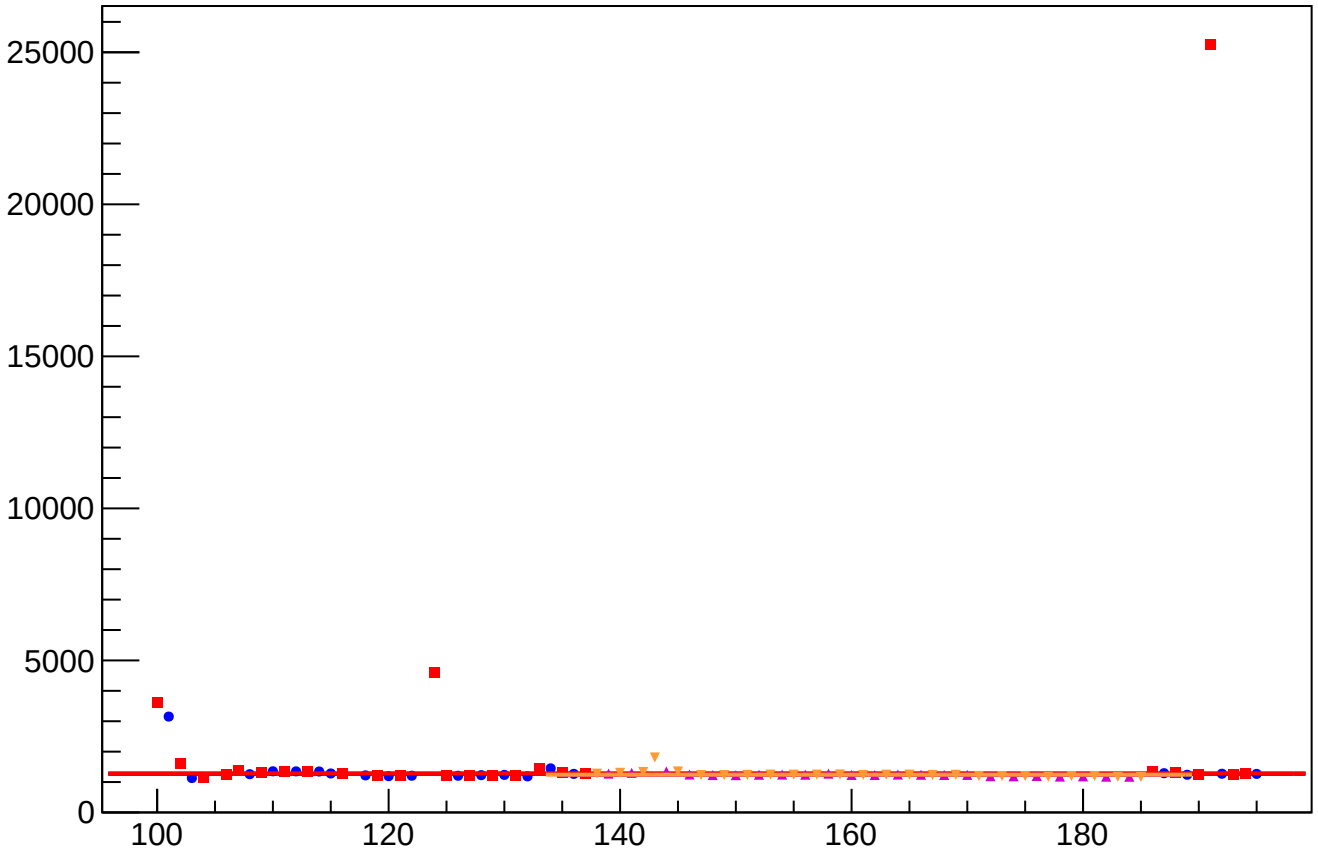
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -54.817+/-285.514 χ^2/NDF: 41.7/44

In: 19.897+/-236.107 χ^2/NDF:34.9/42

Out: -259.789+/-230.337 χ^2/NDF:44.9/49

All: -123.405+/-164.875 χ^2/NDF: 80.5/92



Right In: 1270.810+/-0.291 χ^2/NDF: 520105.1/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1285.519+/-0.280 χ^2/NDF: 467824.6/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

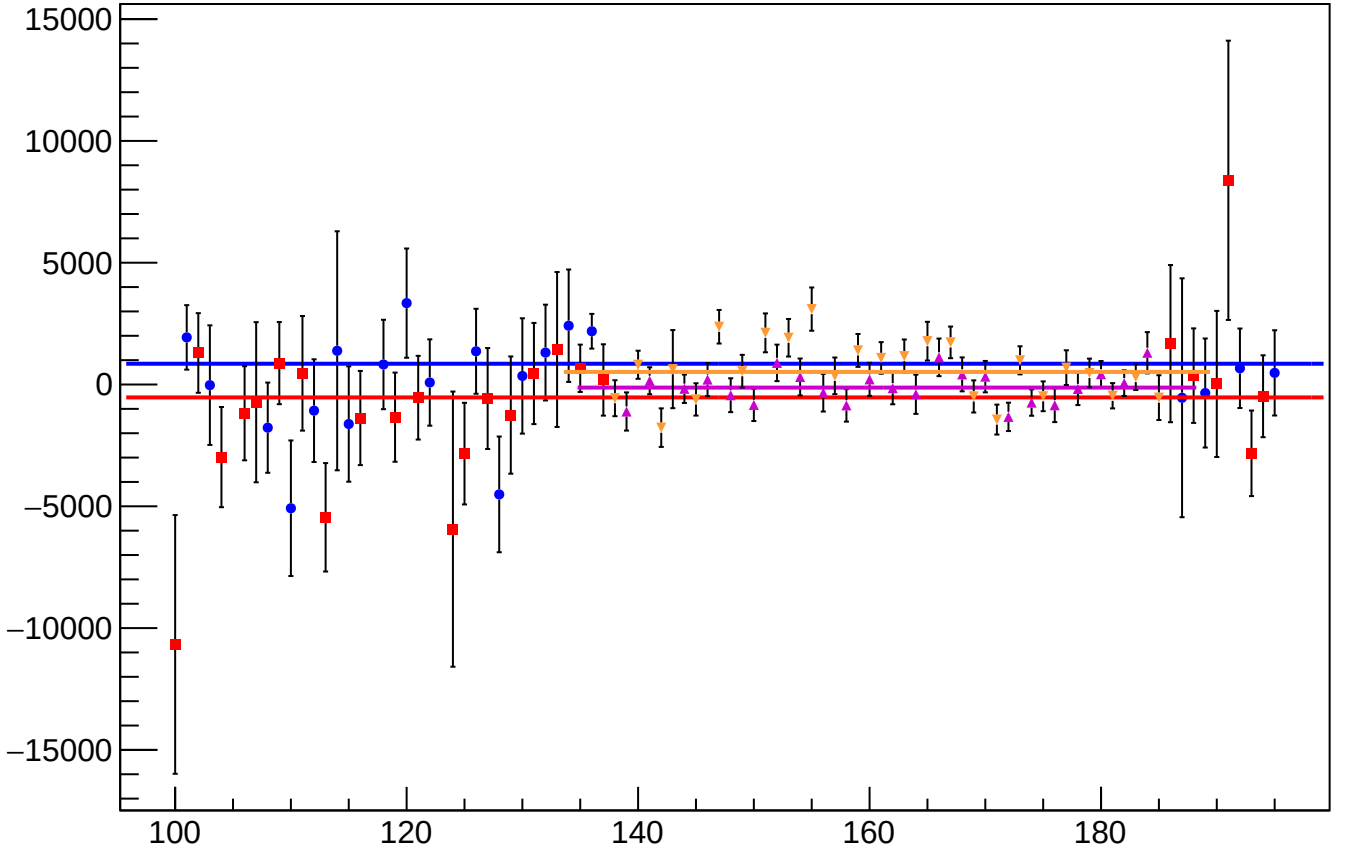
Right: 1278.444+/-0.202 χ^2/NDF: 989254.9/44

In: 1245.941+/-0.167 χ^2/NDF:570261.8/42

Out: 1257.247+/-0.163 χ^2/NDF:686494.5/49

All: 1251.734+/-0.117 χ^2/NDF: 1259106.1/92

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 852.797+/-393.502 χ^2/NDF: 20.4/19

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -529.973+/-396.869 χ^2/NDF: 22.0/24

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

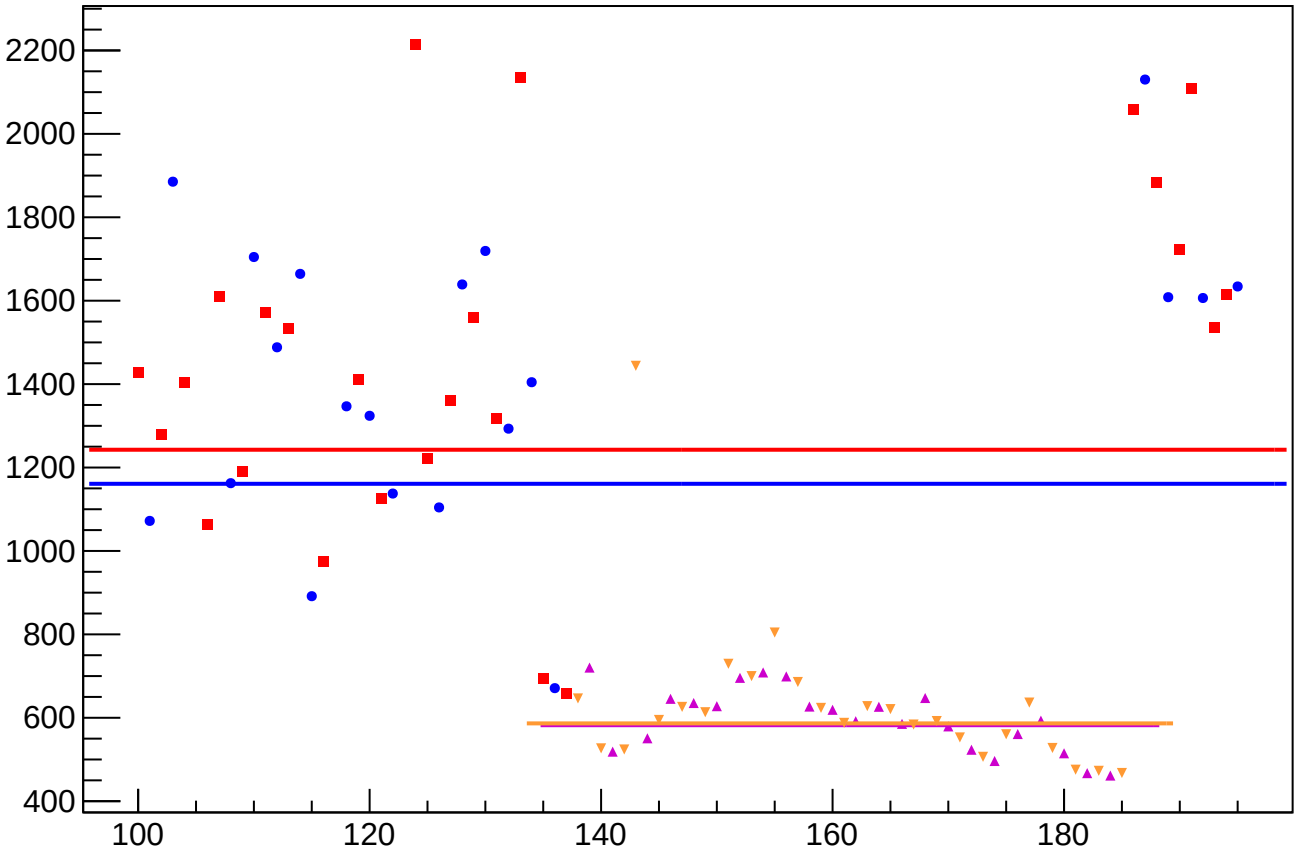
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 167.302+/-279.431 χ^2/NDF: 48.5/44

In: -20.324+/-129.607 χ^2/NDF:47.5/42

Out: 407.155+/-128.441 χ^2/NDF:95.3/49

All: 195.347+/-91.231 χ^2/NDF: 148.2/92



Right In: 1160.996+/-0.278 χ^2/NDF: 2009568.0/19

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.658+/-0.281 χ^2/NDF: 2009753.5/24

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

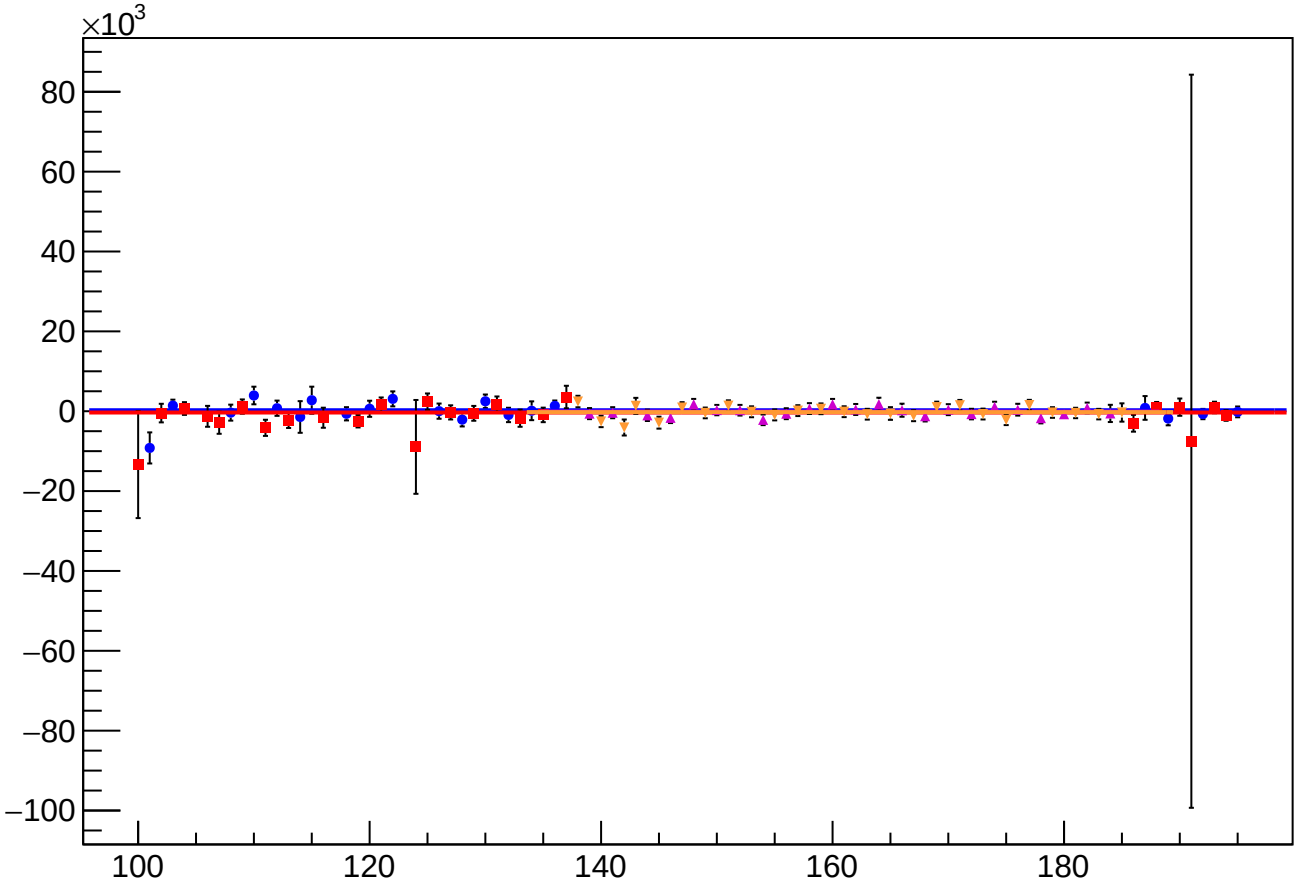
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1201.479+/-0.198 χ^2/NDF: 4062020.8/44

In: 644.981+/-0.092 χ^2/NDF:6426560.3/42

Out: 655.277+/-0.091 χ^2/NDF:8106242.0/49

All: 650.176+/-0.065 χ^2/NDF: 14539169.8/92



Right In: 249.255+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -322.039+/-396.764 χ^2/NDF: 20.9/24

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

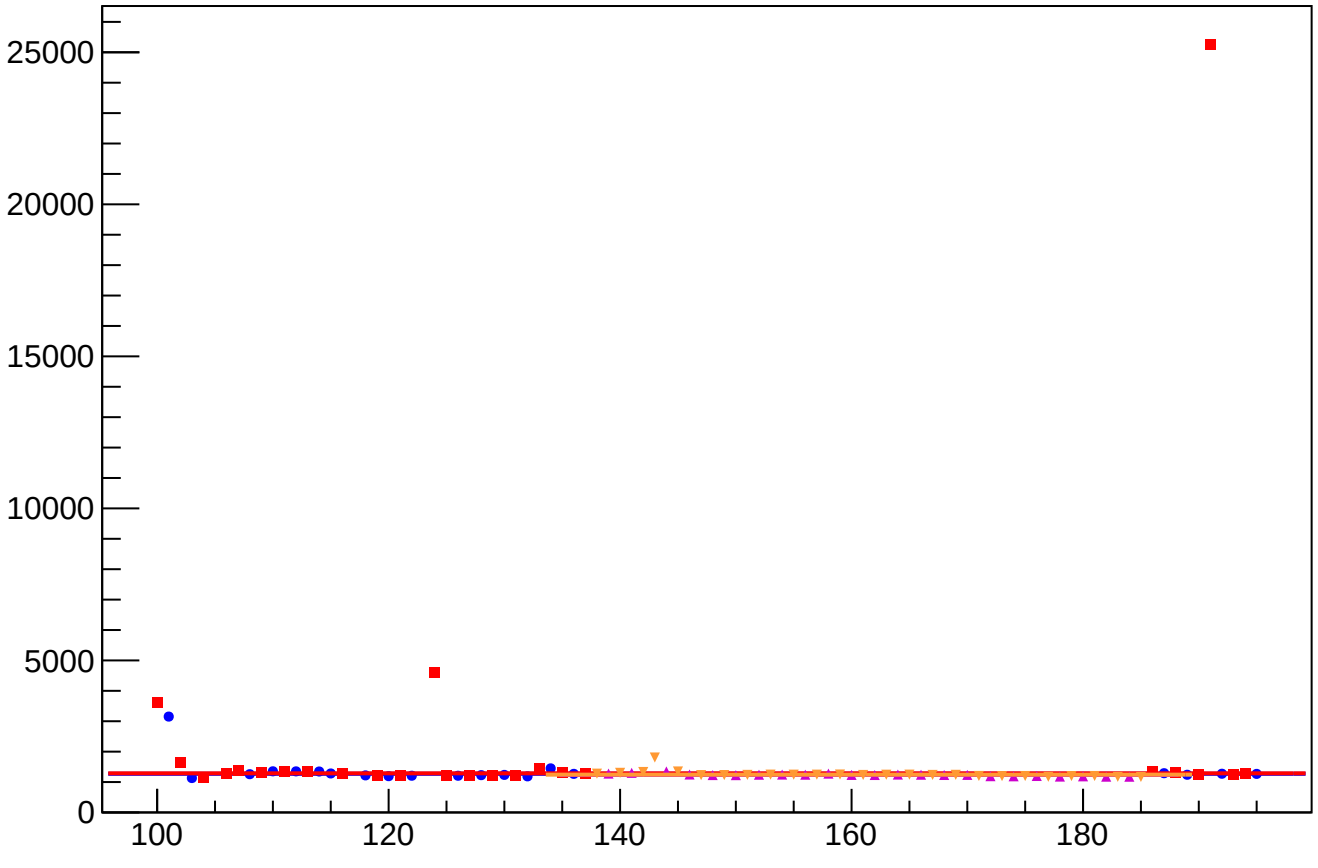
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -46.935+/-285.685 χ^2/NDF: 41.6/44

In: 19.927+/-236.107 χ^2/NDF:34.9/42

Out: -254.917+/-230.427 χ^2/NDF:44.9/49

All: -120.841+/-164.908 χ^2/NDF: 80.4/92



Right In: 1270.810+/-0.291 χ^2/NDF: 520106.5/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

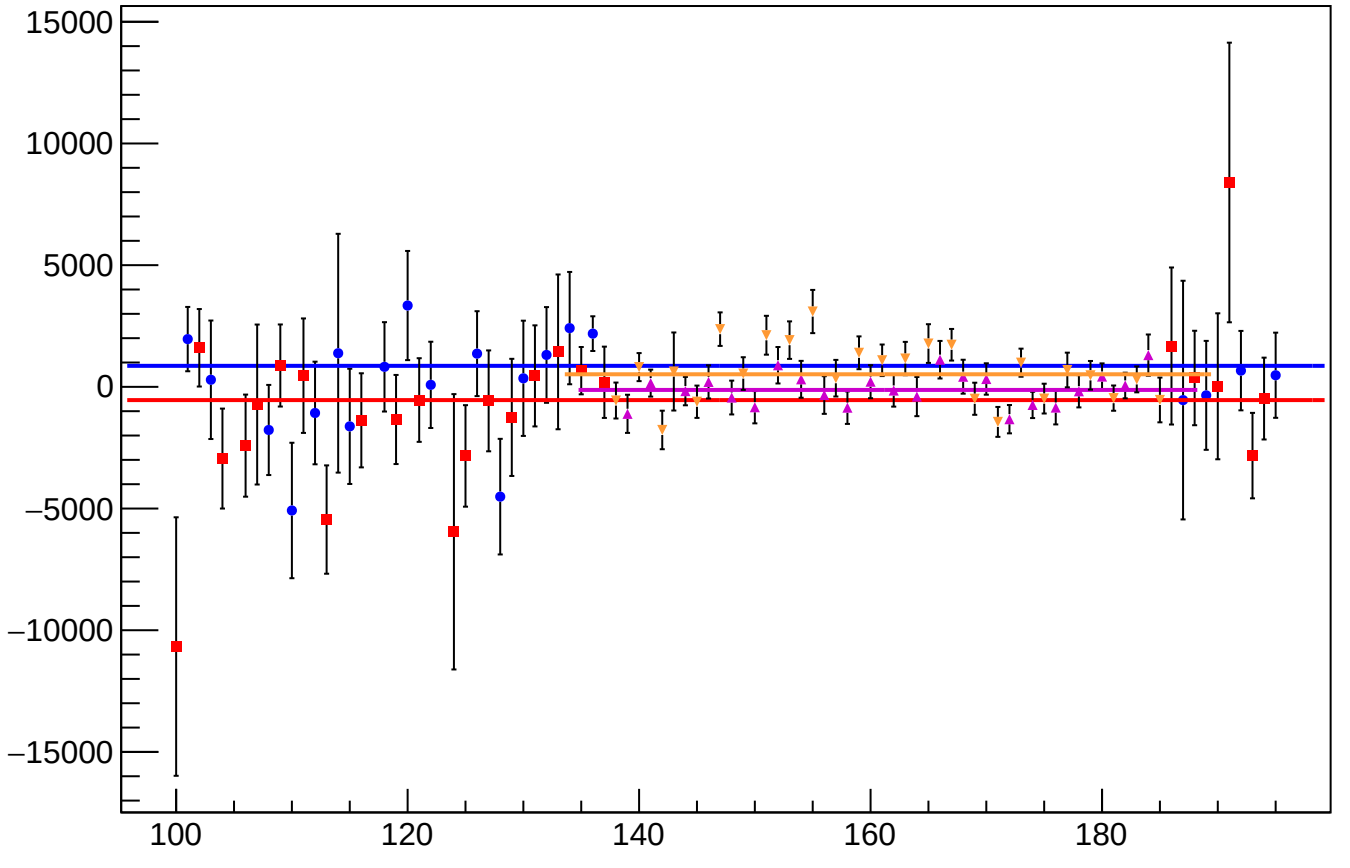
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1279.246+/-0.202 χ^2/NDF: 996096.7/44

In: 1245.941+/-0.167 χ^2/NDF:570263.1/42

Out: 1257.752+/-0.163 χ^2/NDF:694160.7/49

All: 1251.990+/-0.117 χ^2/NDF: 1266987.2/92



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

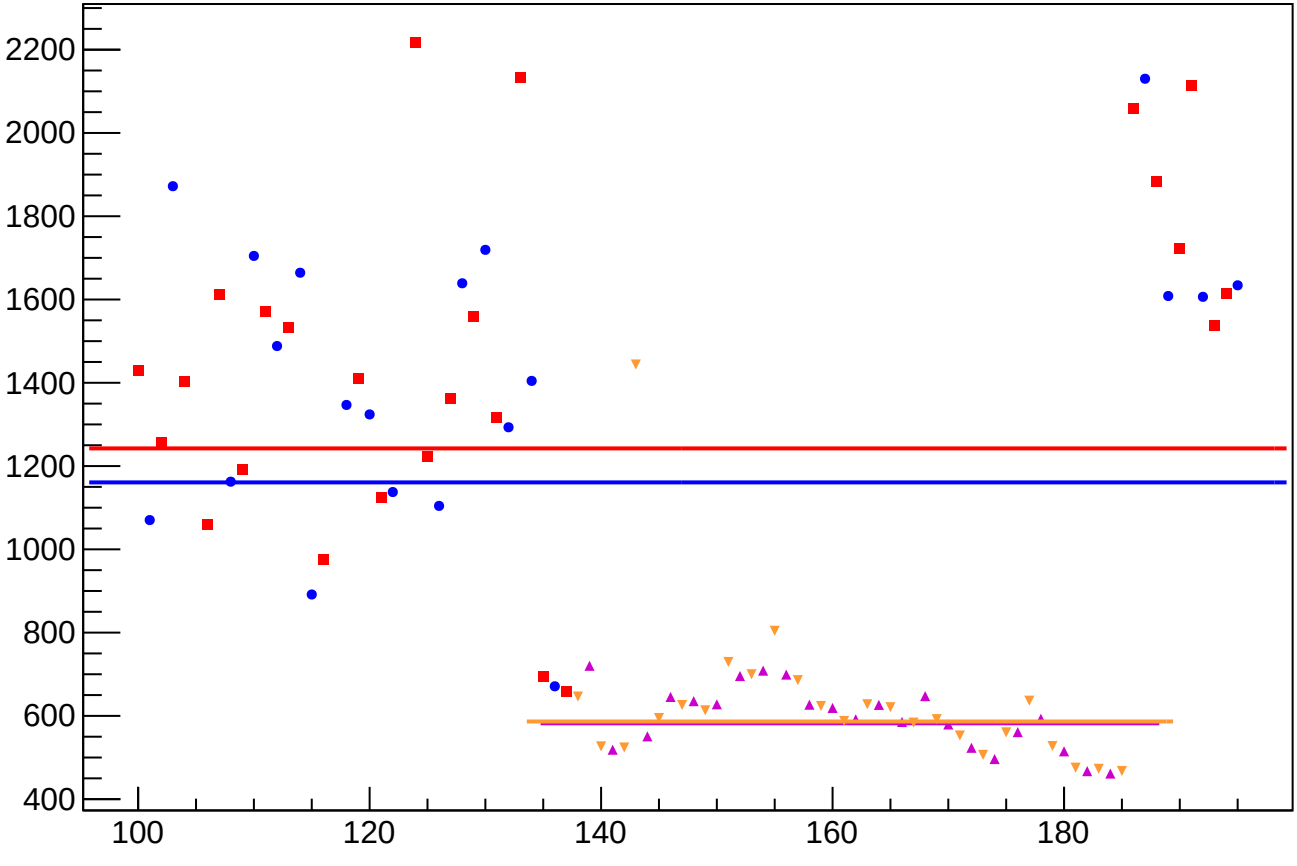
Right: 167.023+/-279.600 χ^2/NDF: 49.9/44

In: -19.085+/-129.602 χ^2/NDF:47.5/42

Out: 406.004+/-128.463 χ^2/NDF:96.6/49

All: 195.336+/-91.237 χ^2/NDF: 149.6/92

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1160.778+/-0.278 χ^2/NDF: 2006451.1/19

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

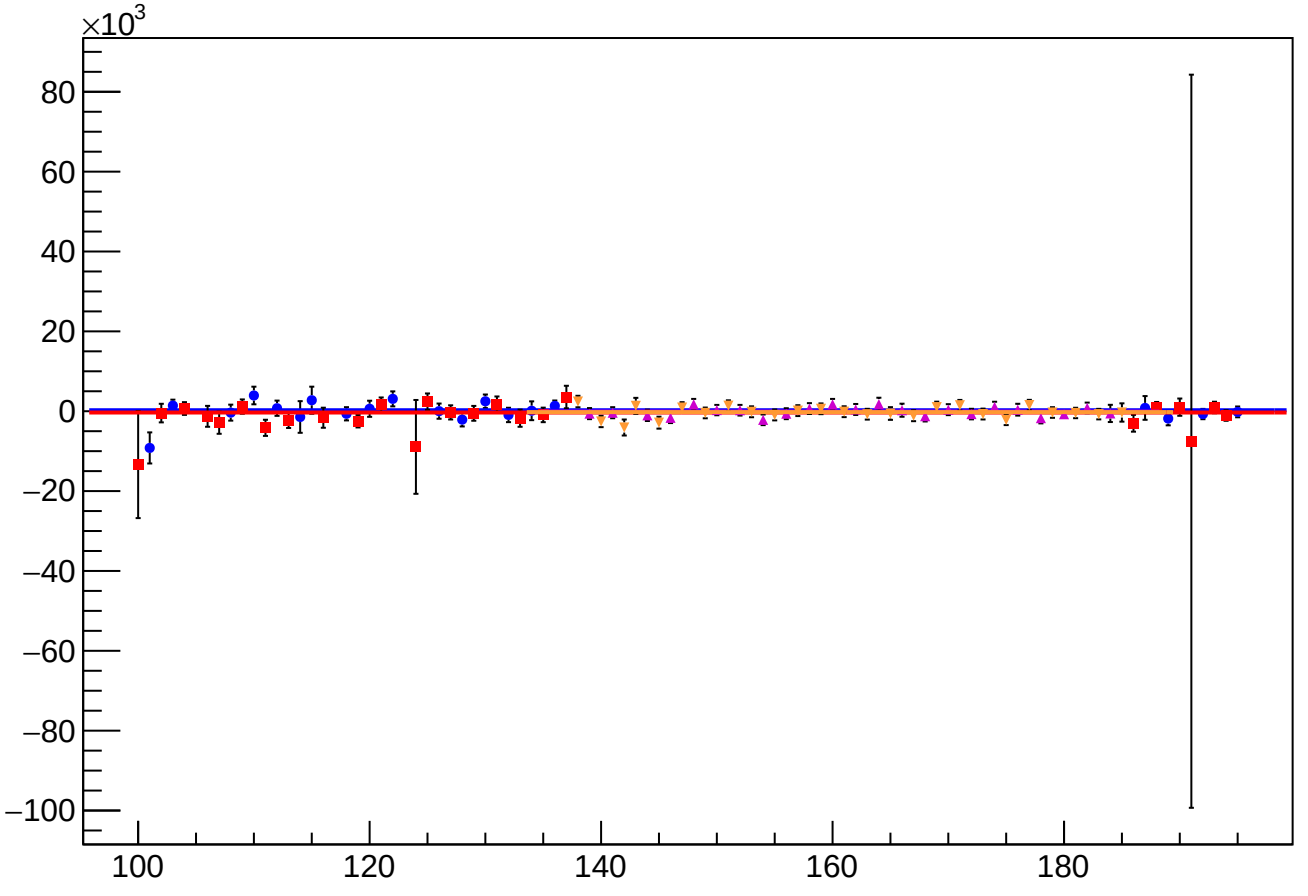
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1201.168+/-0.198 χ^2/NDF: 4056232.8/44

In: 644.995+/-0.092 χ^2/NDF:6422988.5/42

Out: 655.061+/-0.091 χ^2/NDF:8085942.7/49

All: 650.073+/-0.065 χ^2/NDF: 14515016.9/92



Right In: 249.255+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -322.039+/-396.764 χ^2/NDF: 20.9/24

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

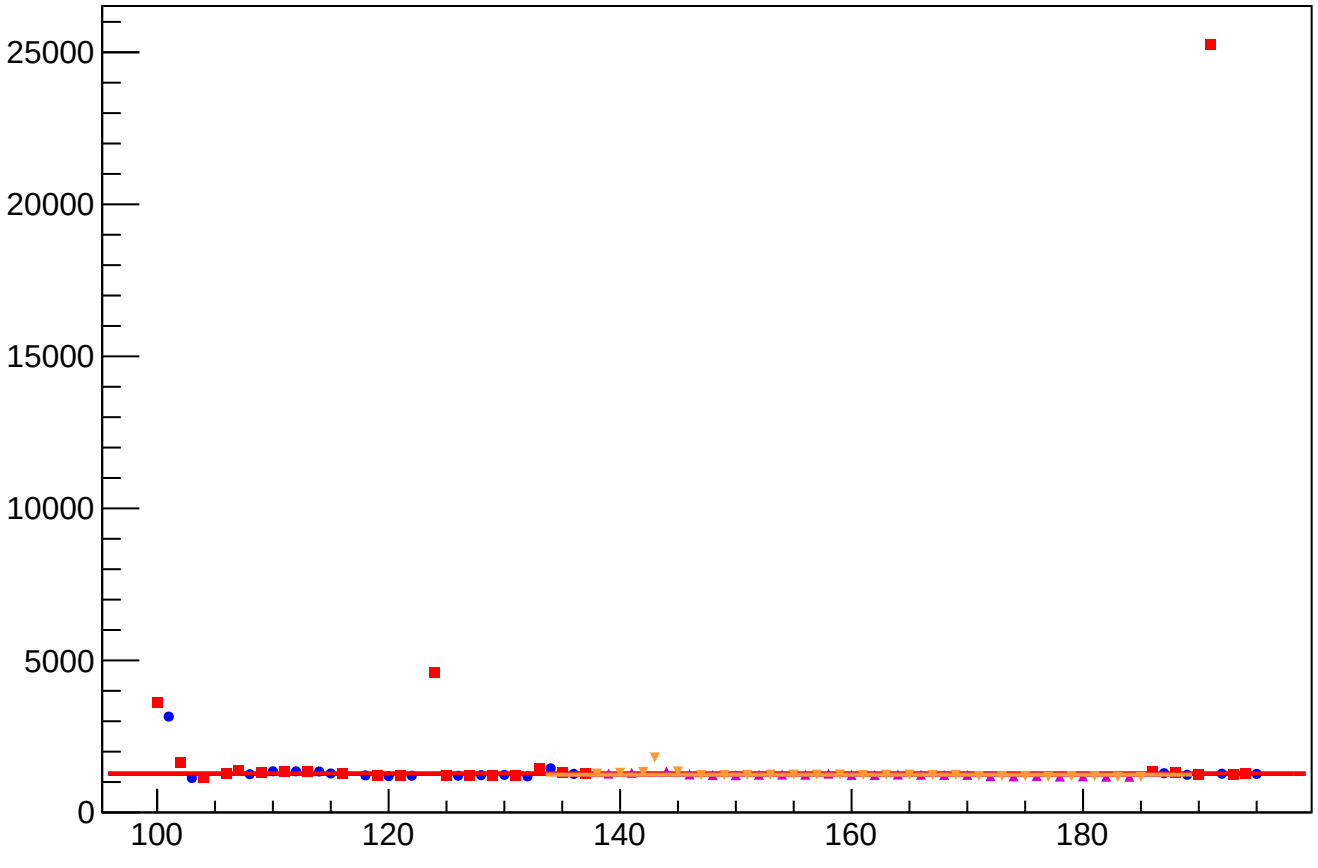
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -46.935+/-285.685 χ^2/NDF: 41.6/44

In: 19.927+/-236.107 χ^2/NDF:34.9/42

Out: -254.917+/-230.427 χ^2/NDF:44.9/49

All: -120.841+/-164.908 χ^2/NDF: 80.4/92



Right In: 1270.810+/-0.291 χ^2/NDF: 520106.5/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

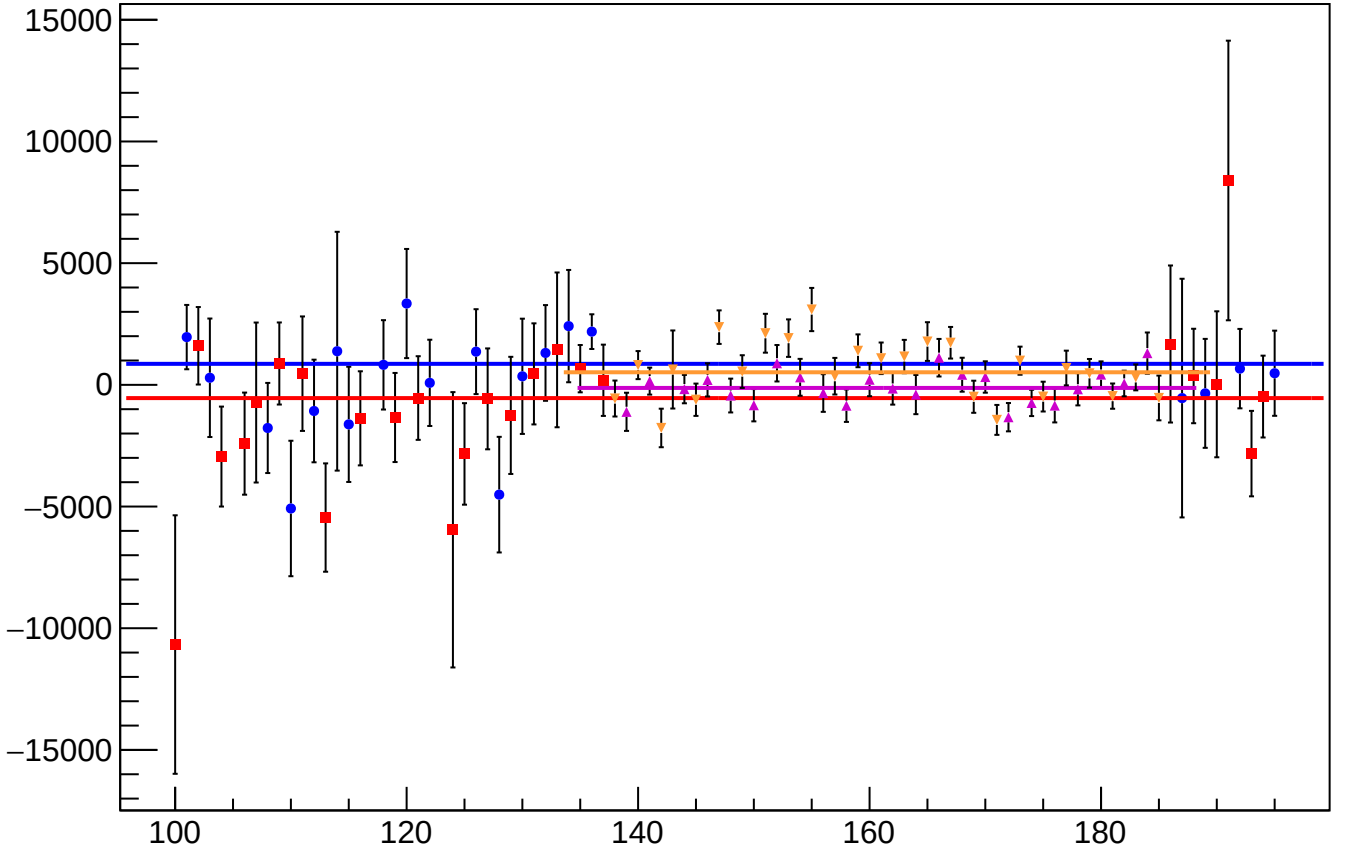
Right: 1279.246+/-0.202 χ^2/NDF: 996096.7/44

In: 1245.941+/-0.167 χ^2/NDF:570263.1/42

Out: 1257.752+/-0.163 χ^2/NDF:694160.7/49

All: 1251.990+/-0.117 χ^2/NDF: 1266987.2/92

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

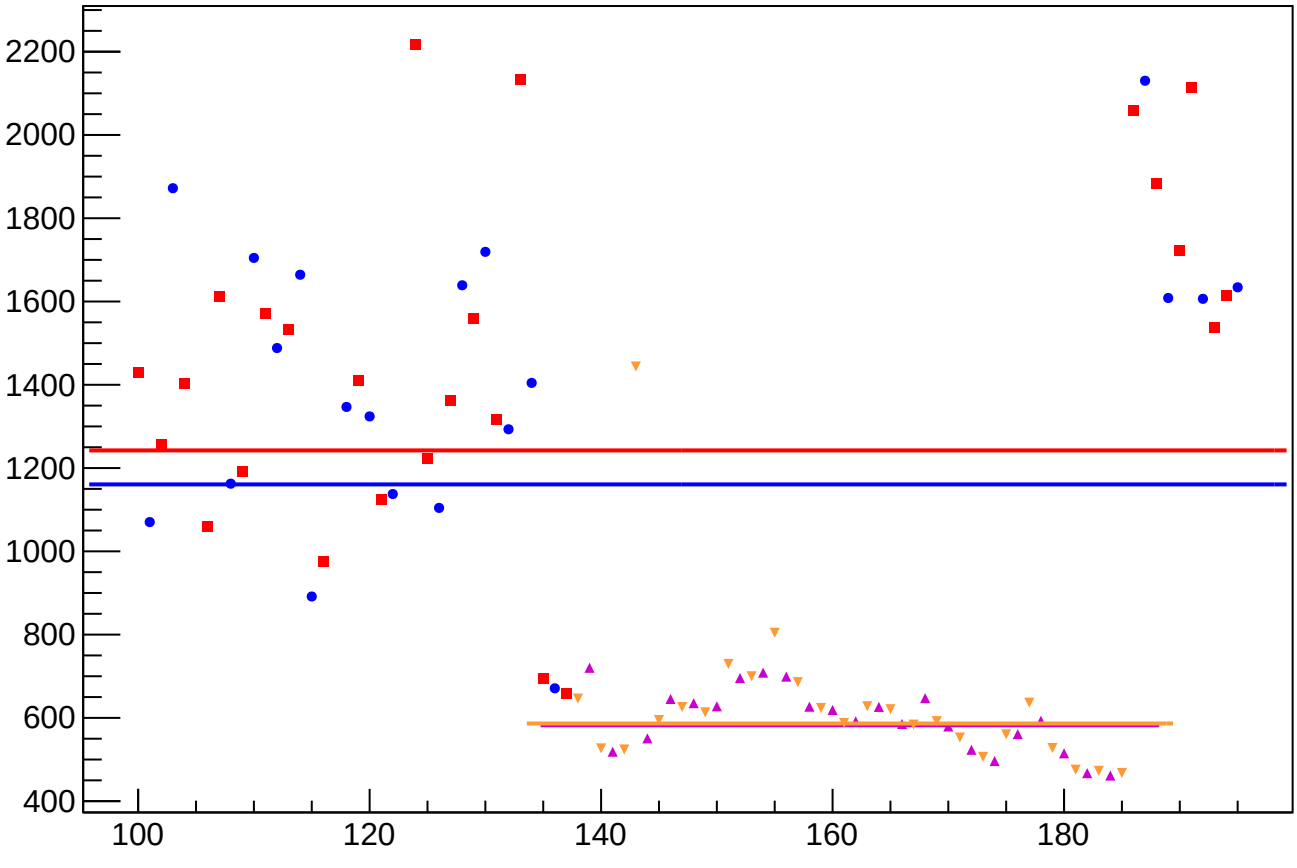
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 167.023+/-279.600 χ^2/NDF: 49.9/44

In: -19.085+/-129.602 χ^2/NDF:47.5/42

Out: 406.004+/-128.463 χ^2/NDF:96.6/49

All: 195.336+/-91.237 χ^2/NDF: 149.6/92



Right In: 1160.778+/-0.278 χ^2/NDF: 2006451.1/19

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

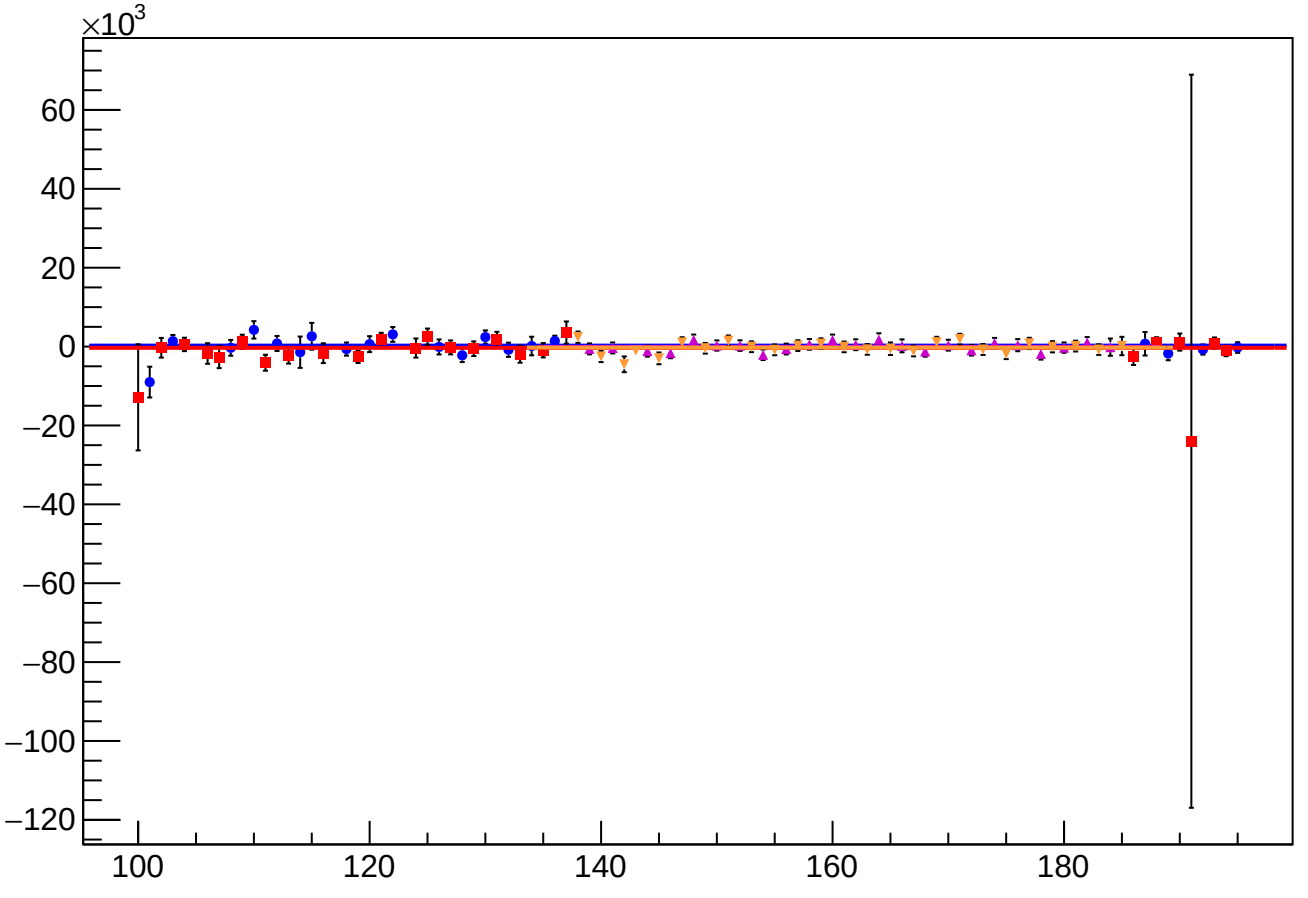
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1201.168+/-0.198 χ^2/NDF: 4056232.8/44

In: 644.995+/-0.092 χ^2/NDF:6422988.5/42

Out: 655.061+/-0.091 χ^2/NDF:8085942.7/49

All: 650.073+/-0.065 χ^2/NDF: 14515016.9/92



Right In: 239.727+/-413.708 χ^2/NDF: 19.7/19

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -316.862+/-394.407 χ^2/NDF: 20.4/24

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

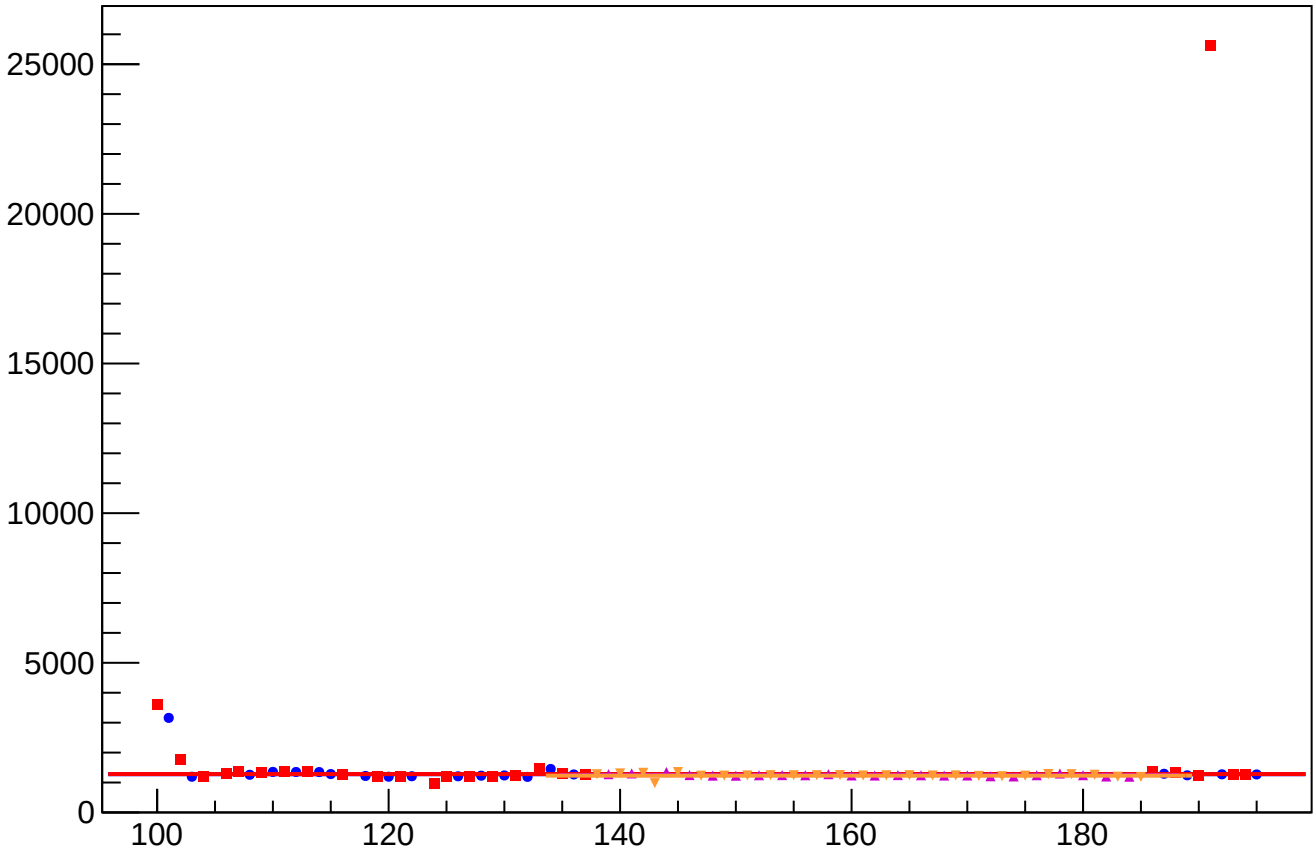
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -51.853+/-285.467 χ^2/NDF: 41.1/44

In: 29.473+/-238.267 χ^2/NDF:34.1/42

Out: -272.962+/-228.273 χ^2/NDF:44.5/49

All: -128.220+/-164.833 χ^2/NDF: 79.5/92



Right In: 1277.412+/-0.293 χ^2/NDF: 508239.1/19

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

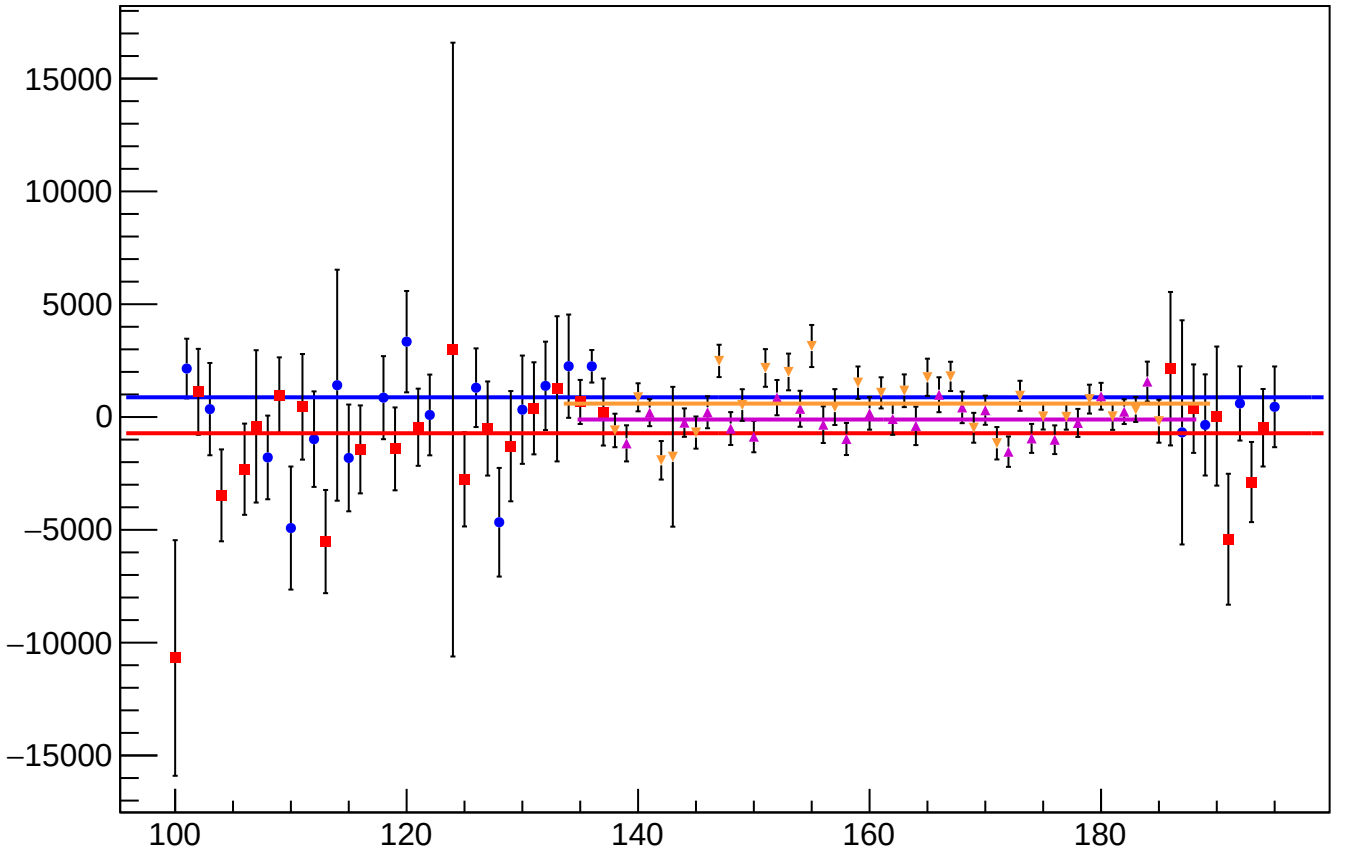
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

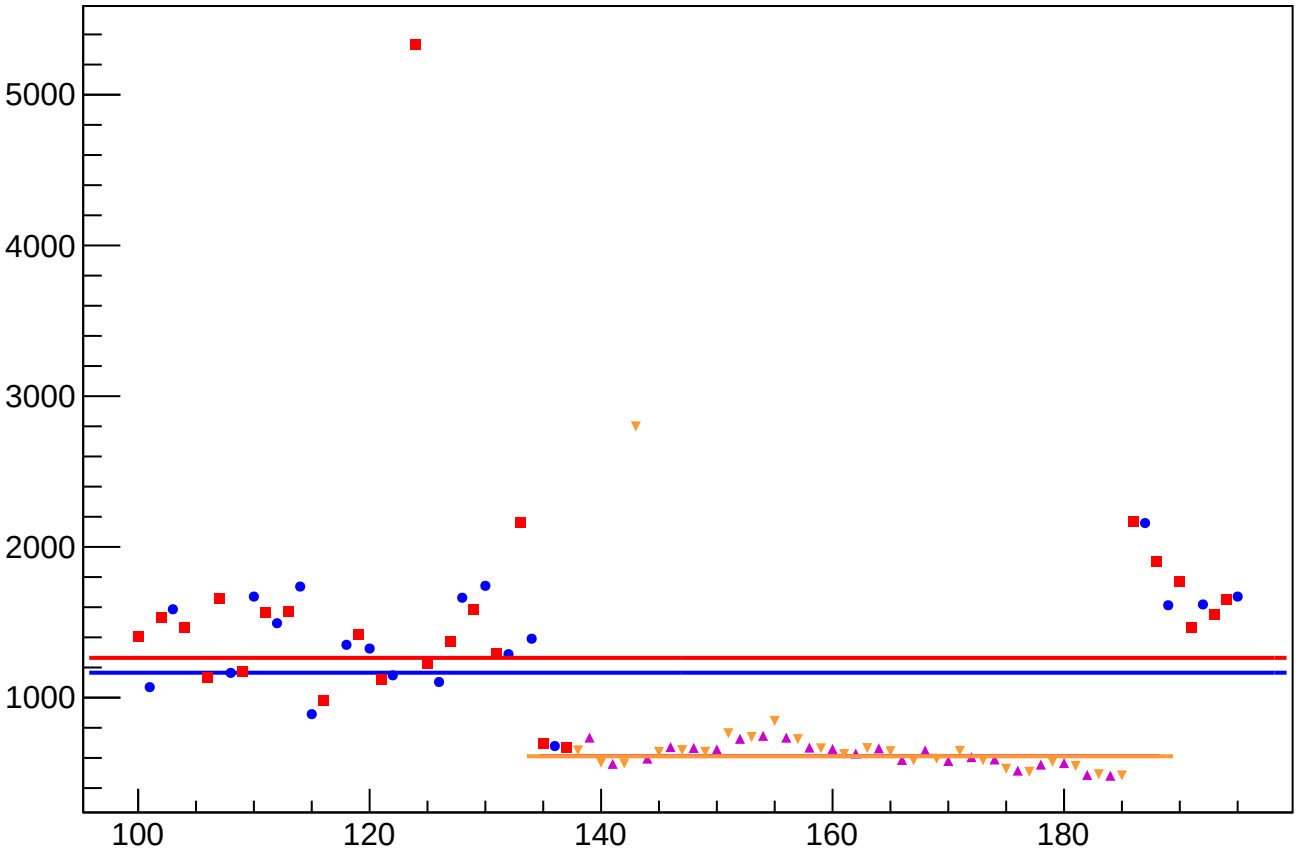
Right: 1279.995+/-0.202 χ^2/NDF: 876735.1/44

In: 1257.612+/-0.168 χ^2/NDF:542434.4/42

Out: 1247.525+/-0.161 χ^2/NDF:533392.2/49

All: 1252.352+/-0.117 χ^2/NDF: 1077695.8/92


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 874.661+/-393.668 χ²/NDF: 21.0/19
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -718.604+/-401.132 χ²/NDF: 22.4/24
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 92.989+/-280.967 χ²/NDF: 51.4/44
In: 6.311+/-135.429 χ²/NDF:52.2/42
Out: 448.478+/-133.969 χ²/NDF:89.2/49
All: 229.790+/-95.242 χ²/NDF: 146.8/92



Right In: 1165.533+/-0.278 χ^2/NDF: 1905552.2/19

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1263.918+/-0.284 χ^2/NDF: 2179203.0/24

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

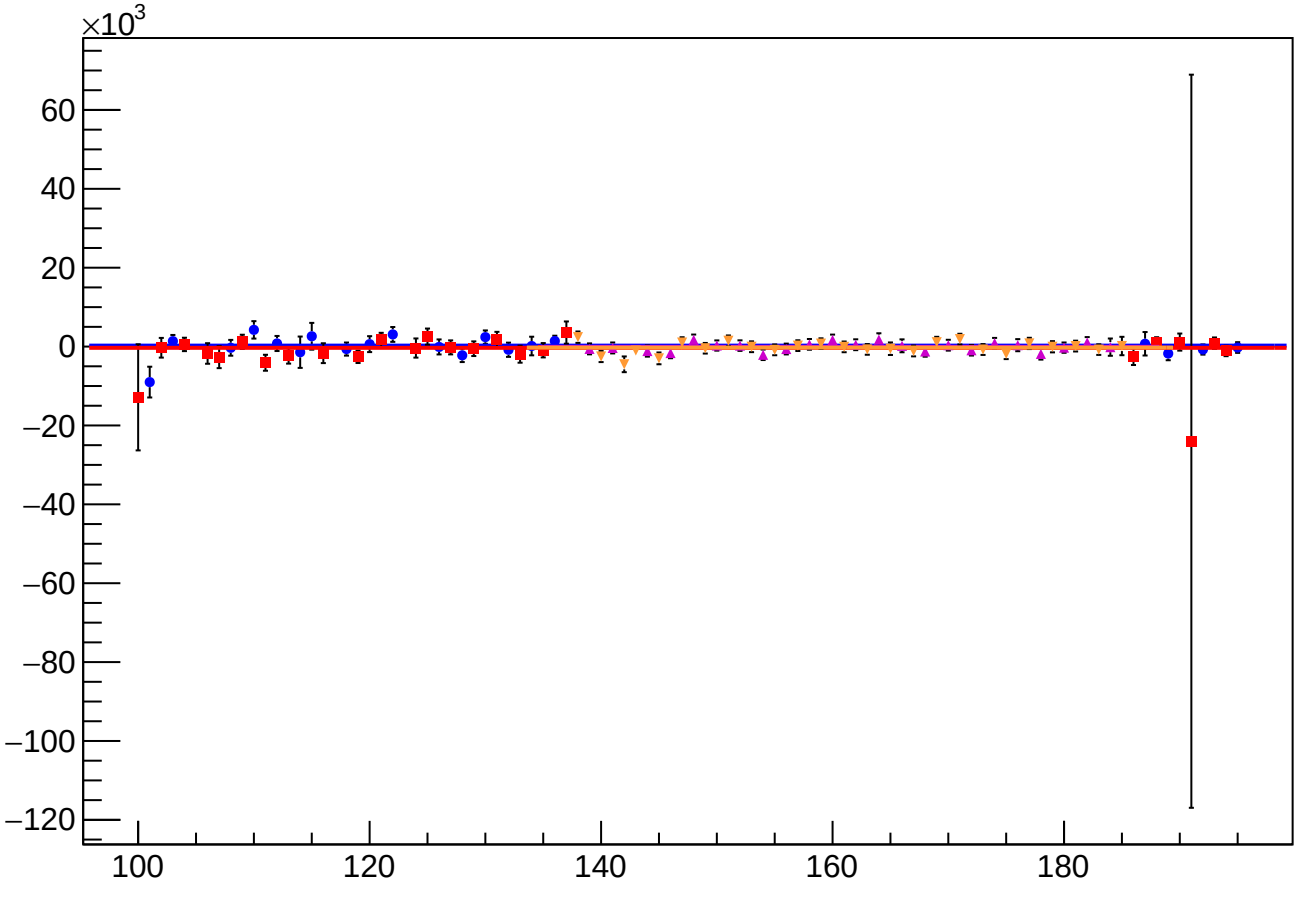
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1213.802+/-0.199 χ^2/NDF: 4146041.3/44

In: 677.861+/-0.096 χ^2/NDF:5895331.8/42

Out: 683.904+/-0.095 χ^2/NDF:8504987.1/49

All: 680.916+/-0.067 χ^2/NDF: 14402331.6/92



Right In: 239.729+/-413.708 χ^2/NDF: 19.7/19

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -316.861+/-394.407 χ^2/NDF: 20.4/24

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

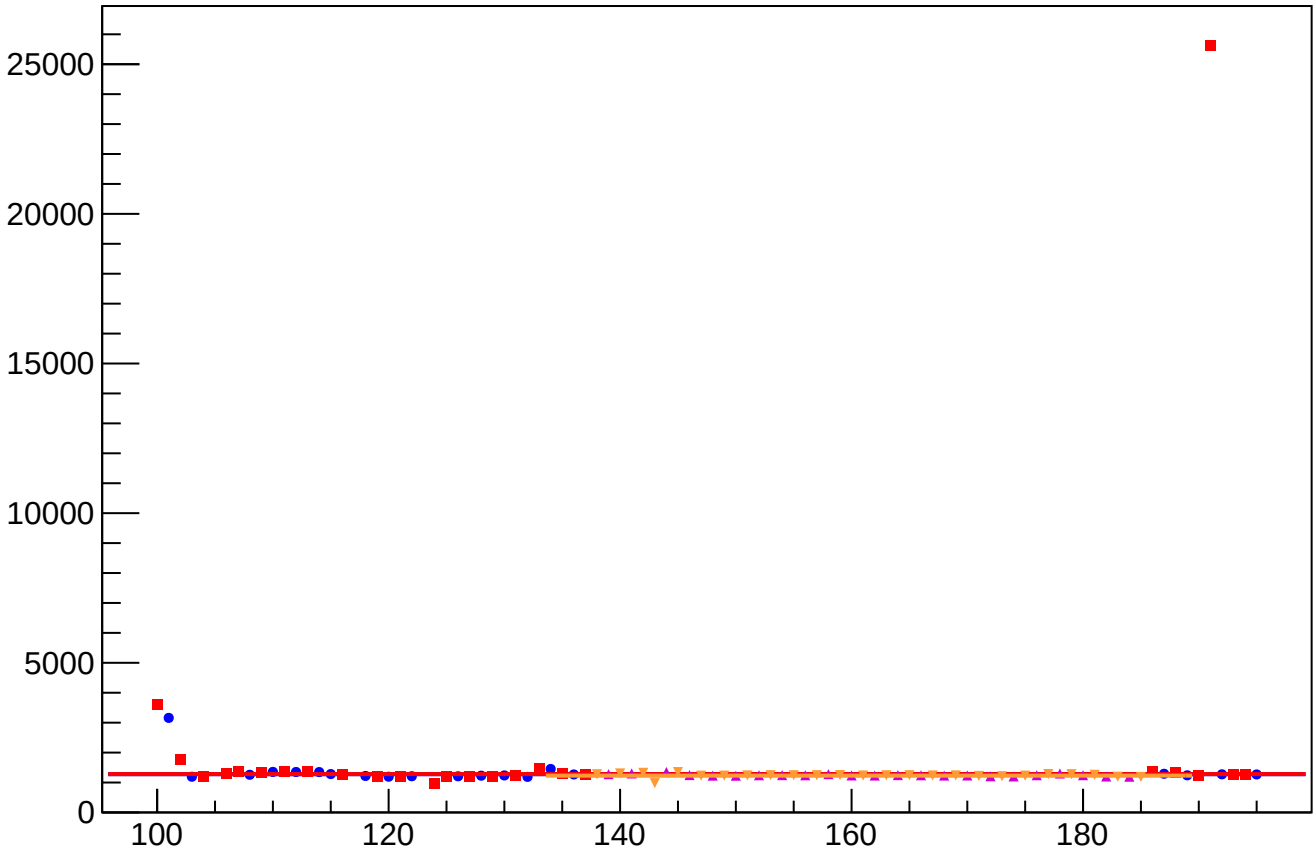
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -51.852+/-285.467 χ^2/NDF: 41.1/44

In: 29.473+/-238.267 χ^2/NDF:34.1/42

Out: -272.963+/-228.273 χ^2/NDF:44.5/49

All: -128.220+/-164.833 χ^2/NDF: 79.5/92



Right In: 1277.411+/-0.293 χ^2/NDF: 508239.3/19

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

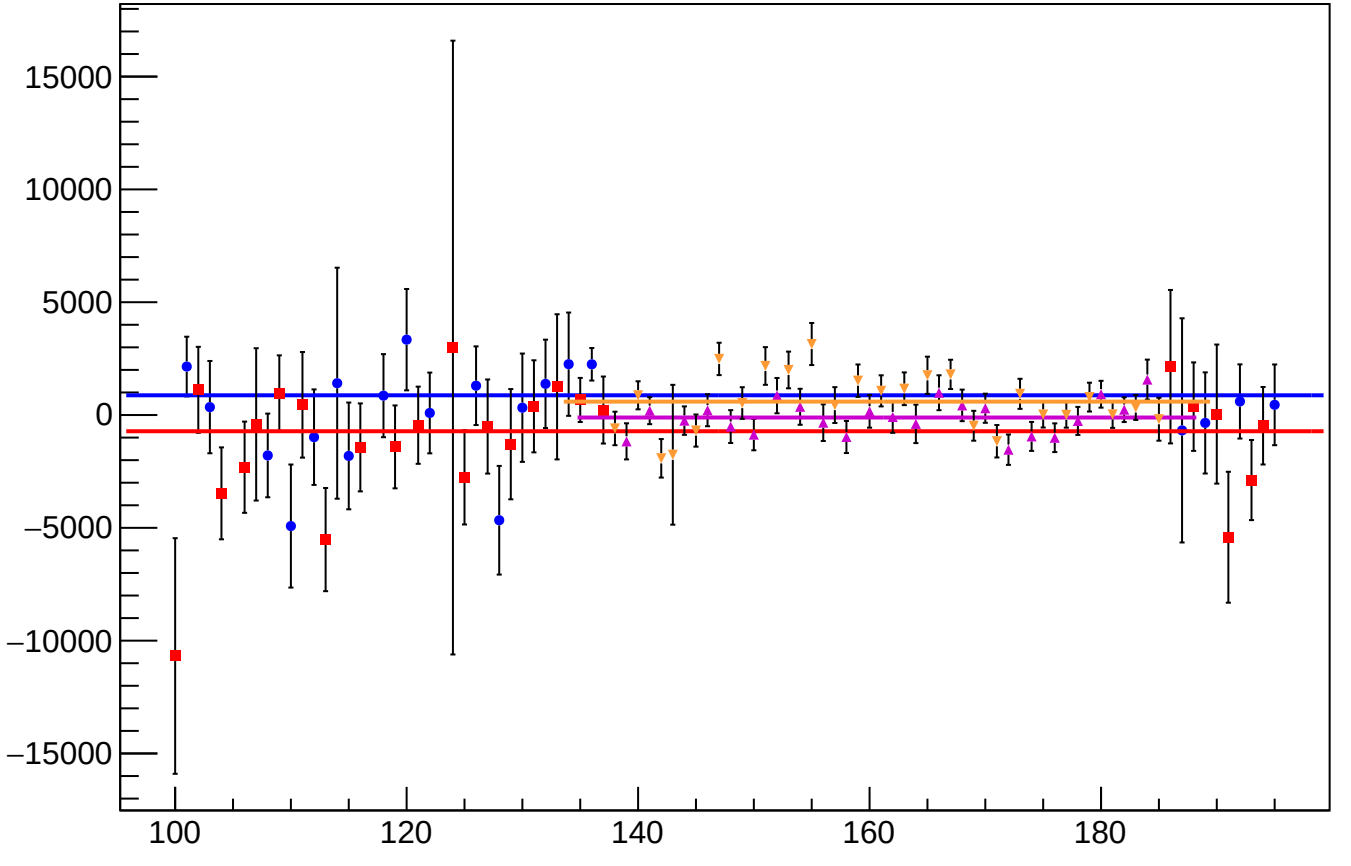
Right: 1279.995+/-0.202 χ^2/NDF: 876735.2/44

In: 1257.612+/-0.168 χ^2/NDF:542434.5/42

Out: 1247.525+/-0.161 χ^2/NDF:533391.2/49

All: 1252.352+/-0.117 χ^2/NDF: 1077694.8/92

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 874.656+/-393.670 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -718.614+/-401.133 χ^2/NDF: 22.4/24

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

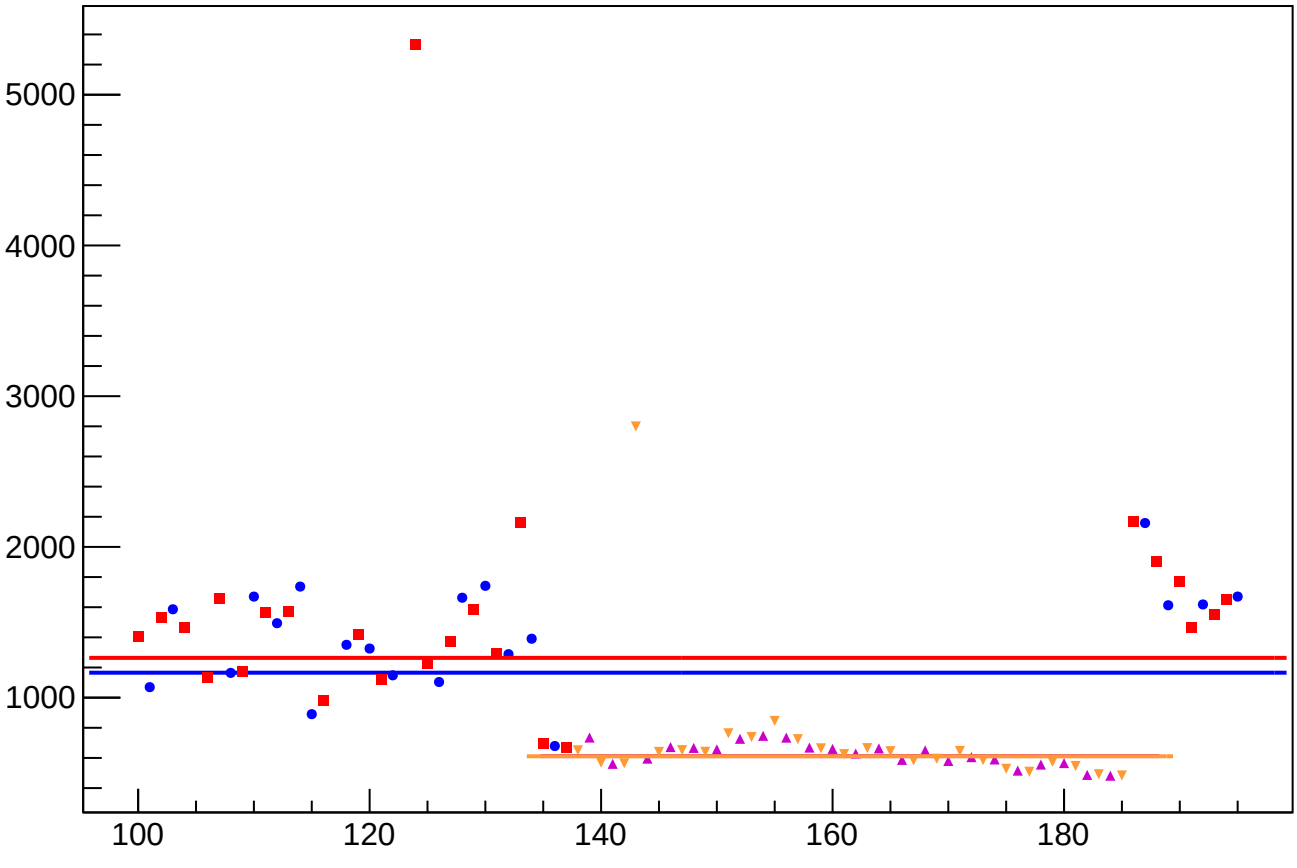
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 92.981+/-280.968 χ^2/NDF: 51.4/44

In: 6.310+/-135.429 χ^2/NDF:52.2/42

Out: 448.478+/-133.969 χ^2/NDF:89.2/49

All: 229.789+/-95.242 χ^2/NDF: 146.8/92



Right In: 1165.539+/-0.278 χ^2/NDF: 1905480.8/19

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1263.924+/-0.284 χ^2/NDF: 2179131.5/24

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

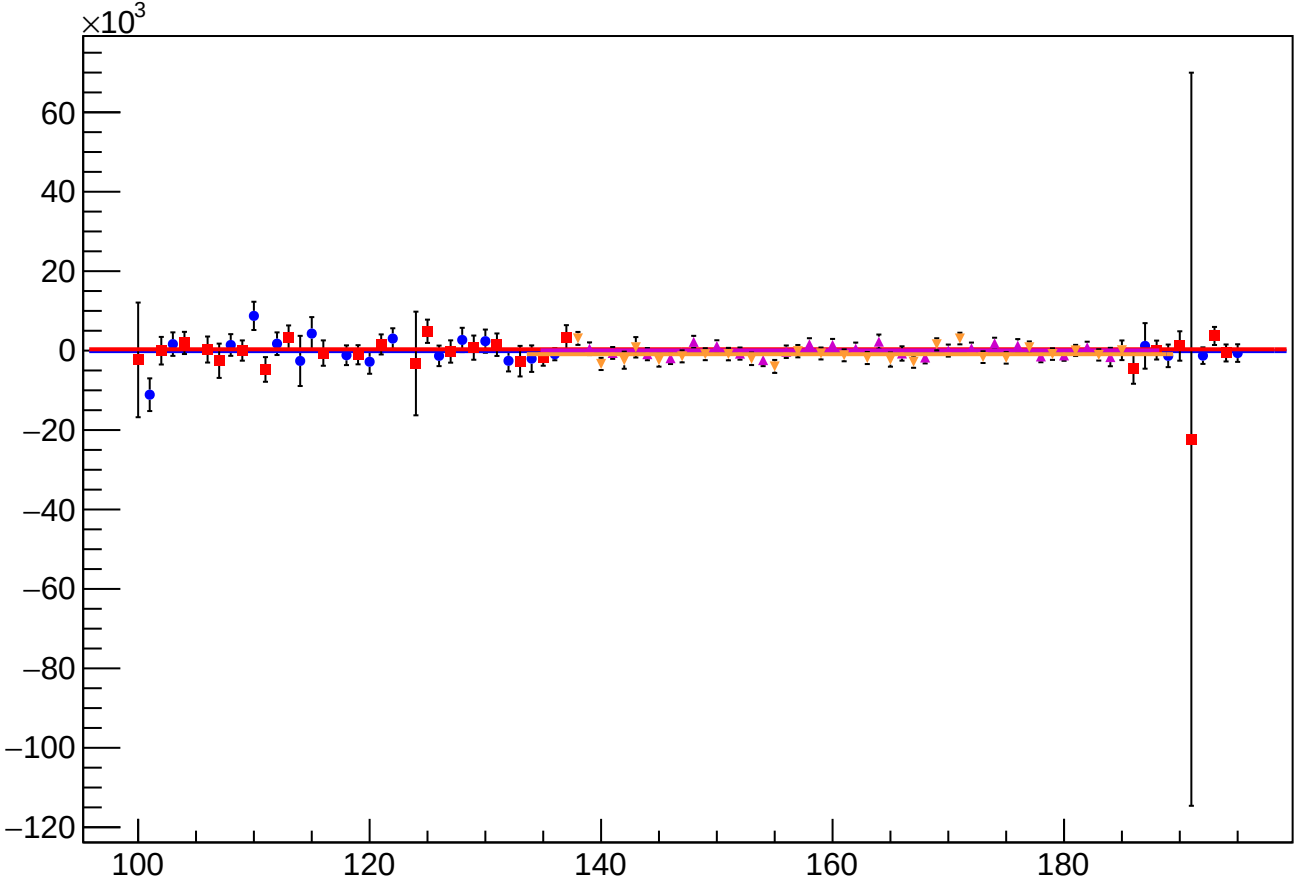
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1213.808+/-0.199 χ^2/NDF: 4145898.4/44

In: 677.861+/-0.096 χ^2/NDF:5895327.7/42

Out: 683.905+/-0.095 χ^2/NDF:8504980.3/49

All: 680.915+/-0.067 χ^2/NDF: 14402321.1/92



Right In: -128.519+/-616.093 χ^2/NDF: 22.0/19

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 335.810+/-600.826 χ^2/NDF: 14.4/24

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

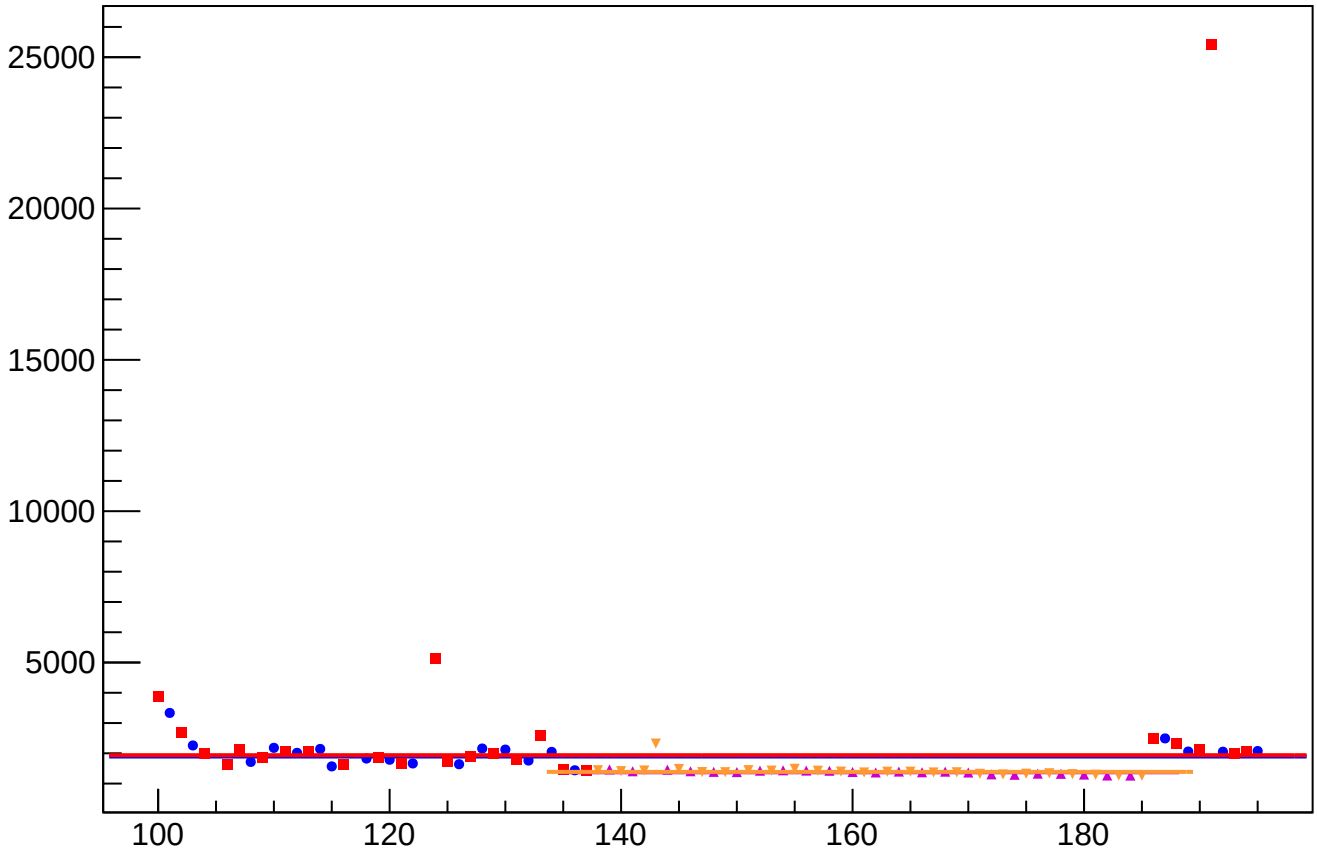
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 109.470+/-430.144 χ^2/NDF: 36.6/44

In: 10.465+/-284.627 χ^2/NDF:39.9/42

Out: -631.548+/-279.988 χ^2/NDF:47.5/49

All: -315.816+/-199.602 χ^2/NDF: 90.0/92



Right In: 1893.774+/-0.436 χ^2/NDF: 622346.5/19

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1937.680+/-0.425 χ^2/NDF: 783082.2/24

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

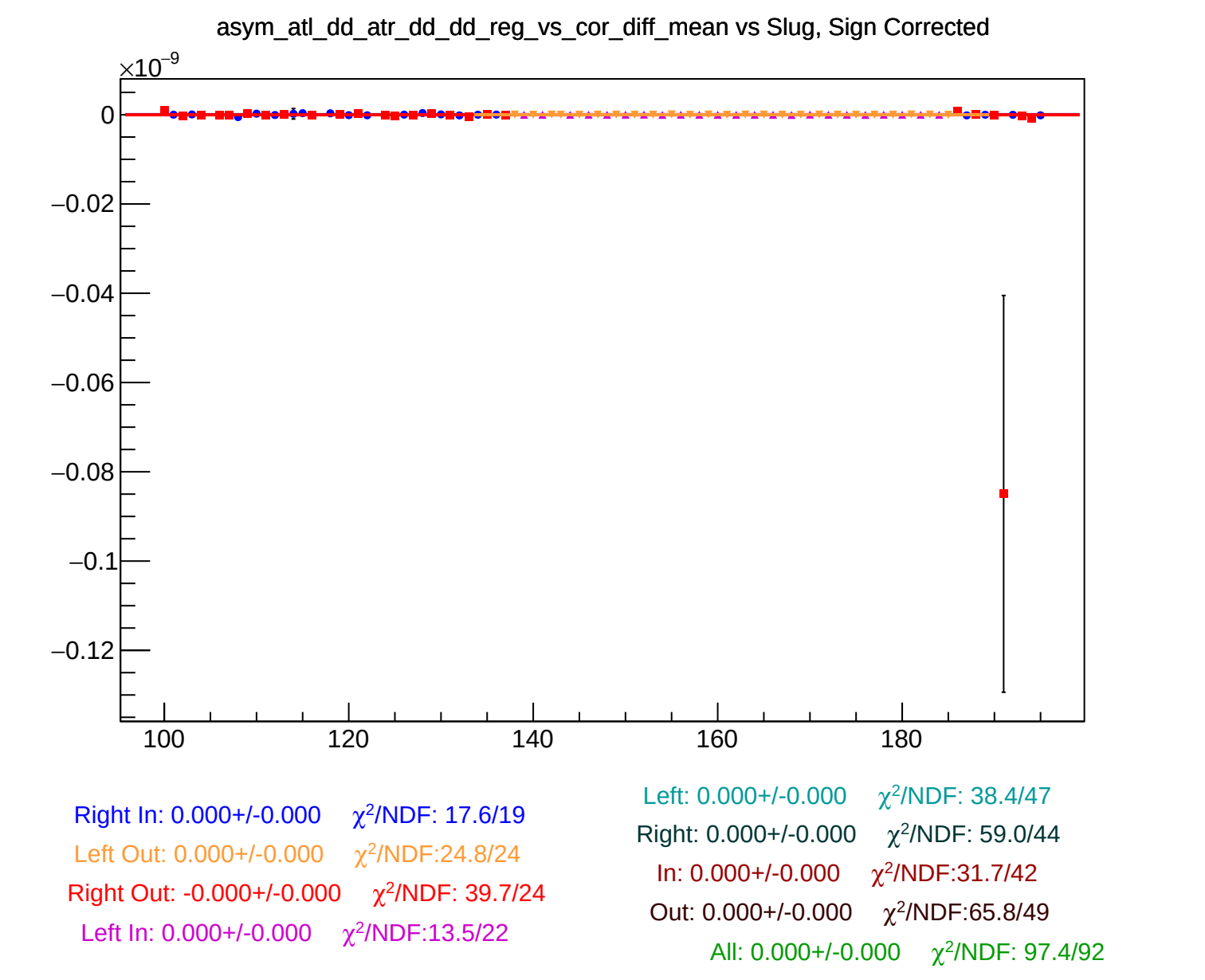
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1916.278+/-0.304 χ^2/NDF: 1410634.9/44

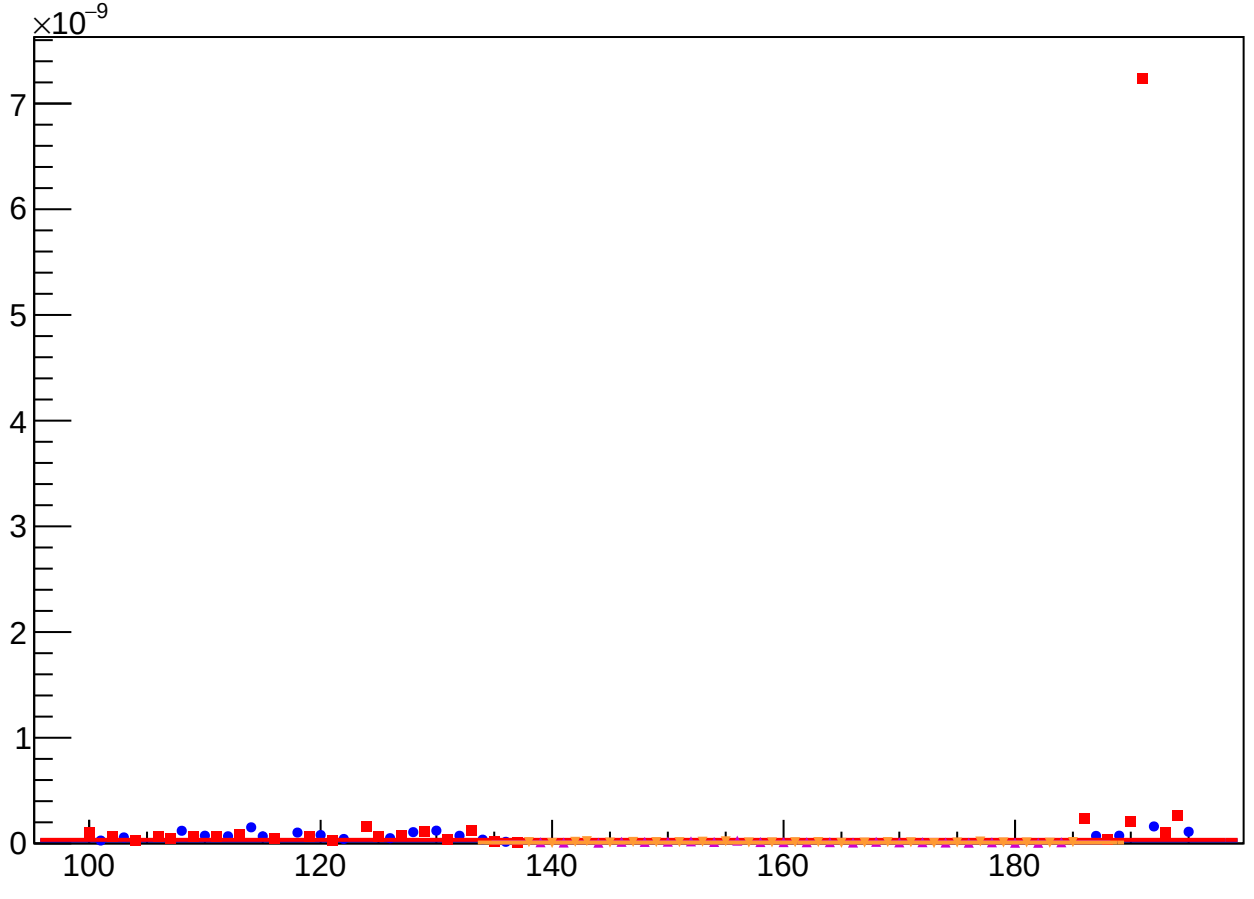
In: 1484.321+/-0.201 χ^2/NDF:1809896.1/42

Out: 1506.466+/-0.198 χ^2/NDF:2438870.4/49

All: 1495.575+/-0.141 χ^2/NDF: 4254919.7/92


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−9
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 17.6/19
Left Out: 0.000+/-0.000 χ²/NDF:24.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 39.7/24
Left In: 0.000+/-0.000 χ²/NDF:13.5/22
Left: 0.000+/-0.000 χ²/NDF: 38.4/47
Right: 0.000+/-0.000 χ²/NDF: 59.0/44
In: 0.000+/-0.000 χ²/NDF:31.7/42
Out: 0.000+/-0.000 χ²/NDF:65.8/49
All: 0.000+/-0.000 χ²/NDF: 97.4/92

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3648903.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3953352.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

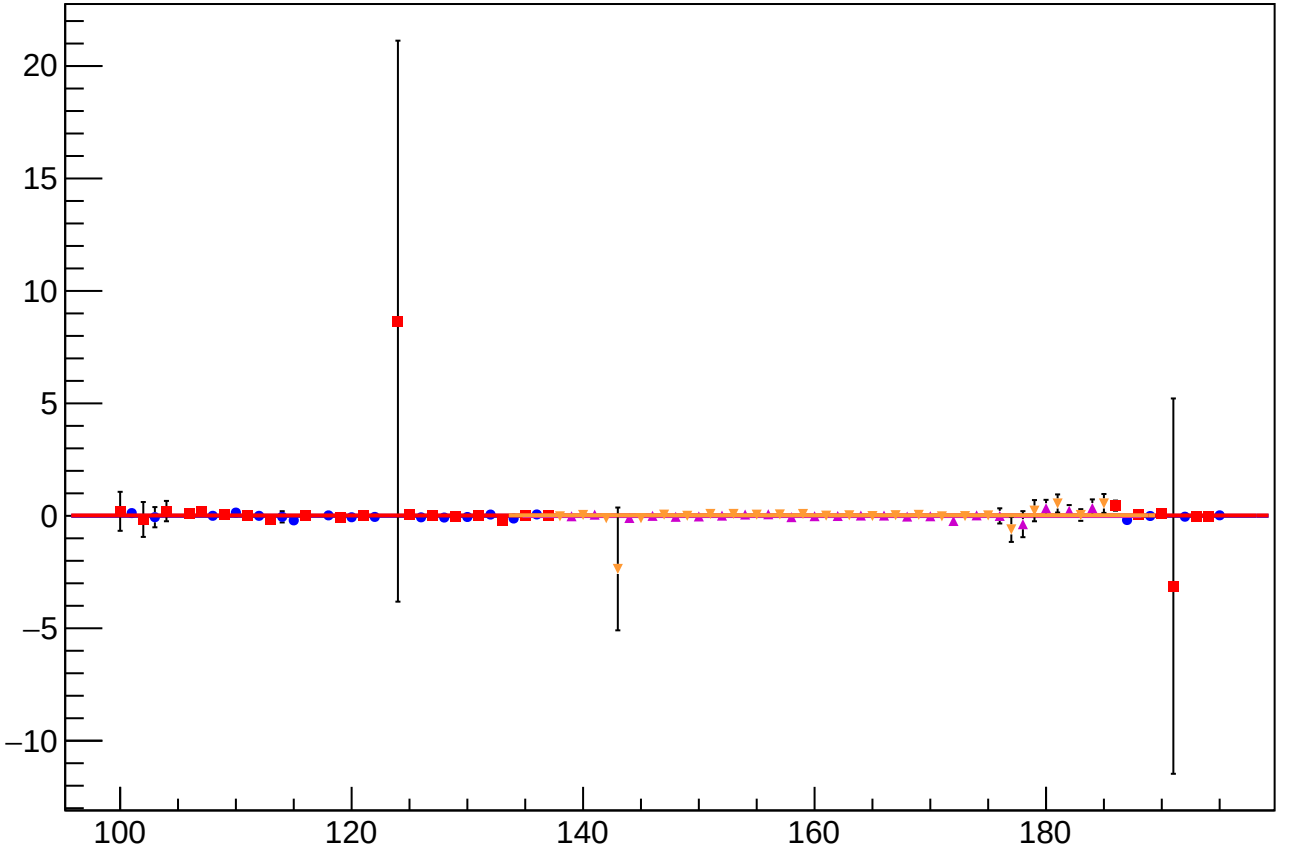
Right: 0.000+/-0.000 χ^2/NDF: 7672348.6/44

In: 0.000+/-0.000 χ^2/NDF:6752874.4/42

Out: 0.000+/-0.000 χ^2/NDF:8962075.8/49

All: 0.000+/-0.000 χ^2/NDF: 15983039.7/92

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

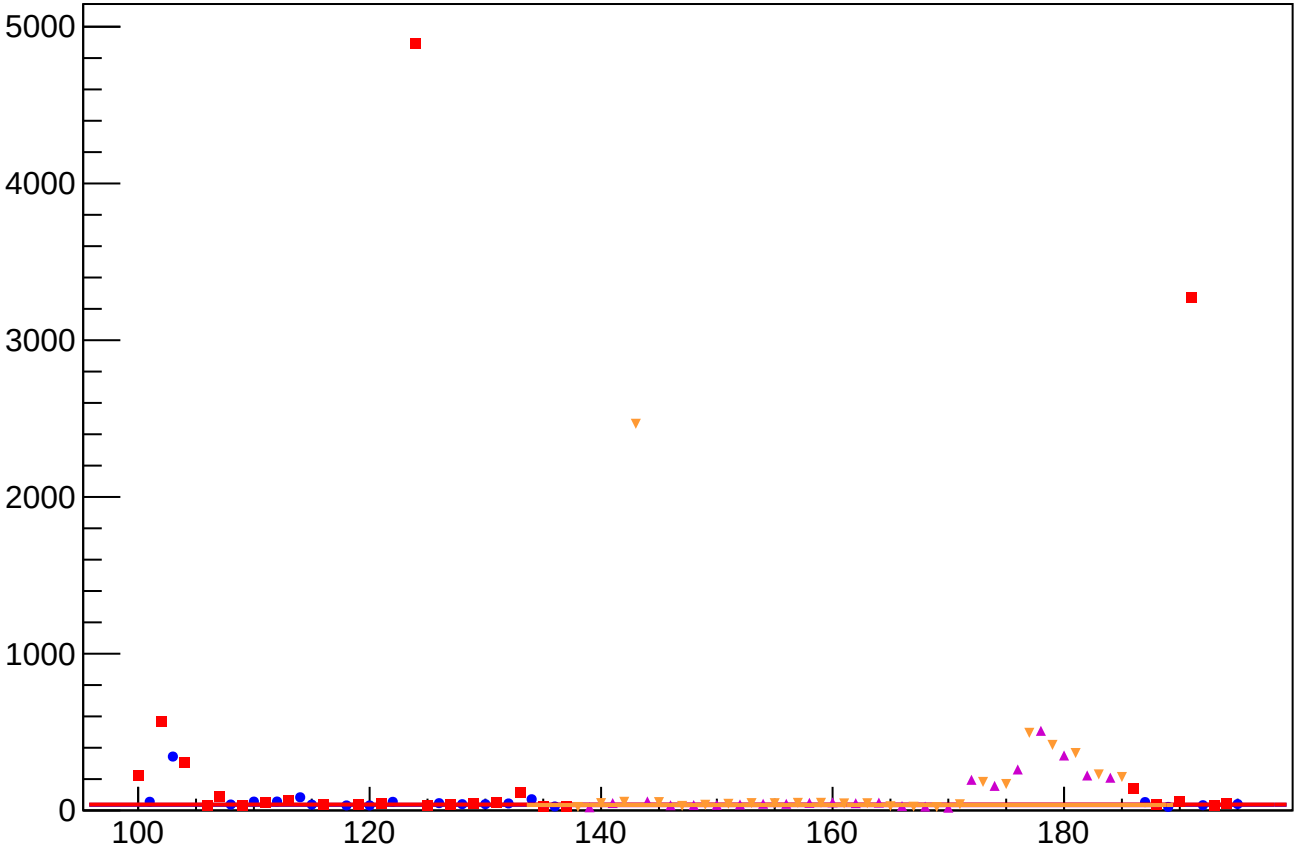
Right: 0.008+/-0.010 χ^2/NDF: 44.1/44

In: -0.006+/-0.008 χ^2/NDF:38.1/42

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.2/92

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.858+/-0.009 χ^2/NDF: 2281000.2/19

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

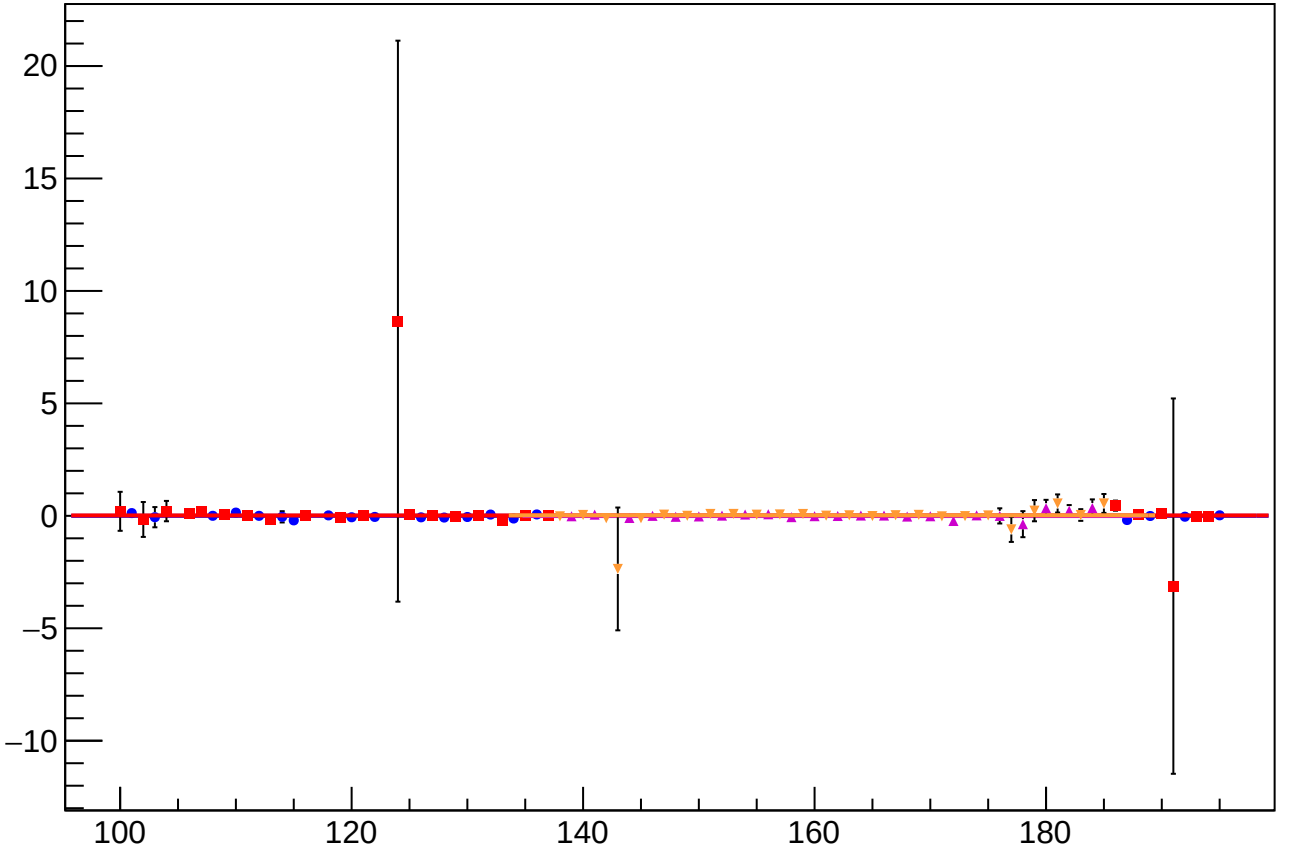
Right: 36.816+/-0.007 χ^2/NDF: 6398536.6/44

In: 34.403+/-0.006 χ^2/NDF:12385641.9/42

Out: 35.767+/-0.006 χ^2/NDF:15569098.3/49

All: 35.066+/-0.004 χ^2/NDF: 27983239.6/92

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

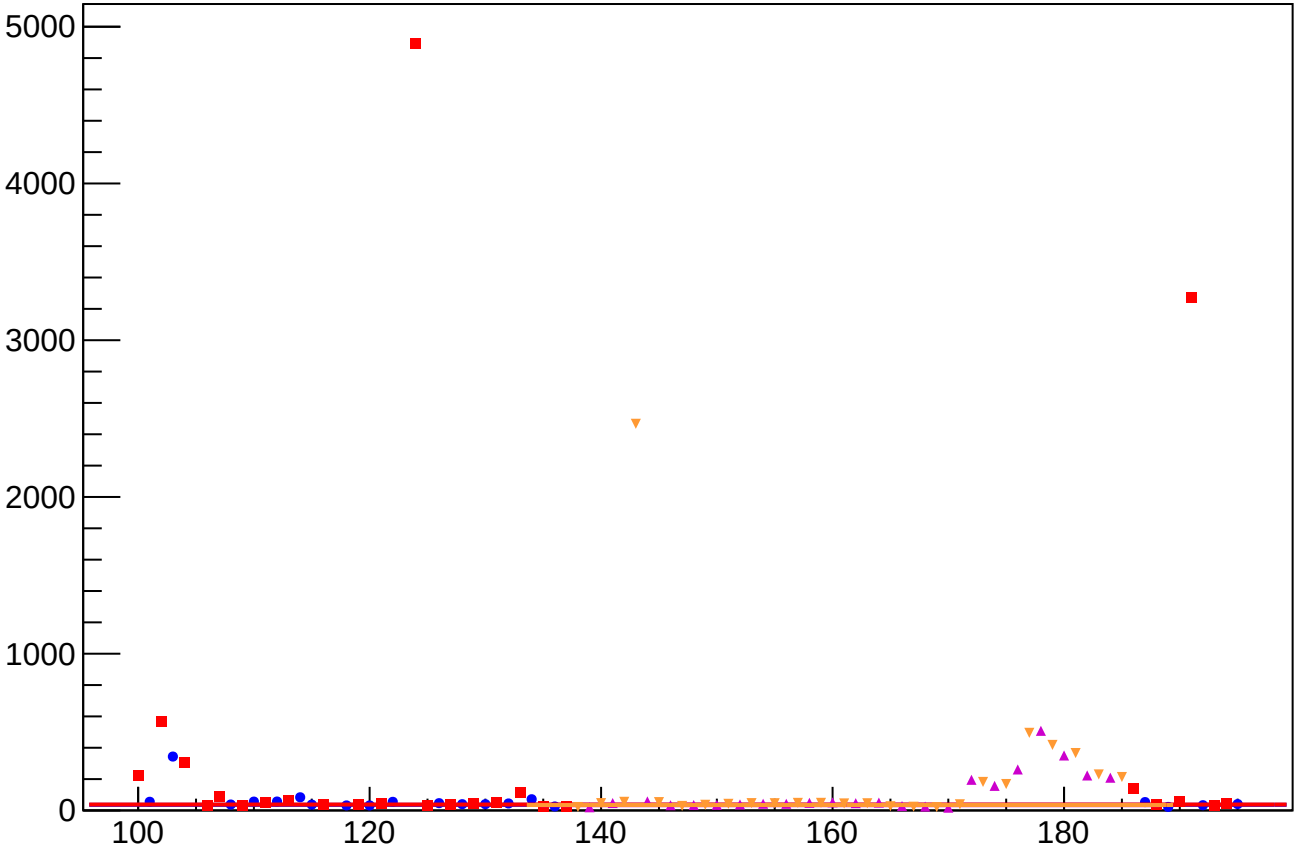
Right: 0.008+/-0.010 χ^2/NDF: 44.1/44

In: -0.006+/-0.008 χ^2/NDF:38.1/42

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.2/92

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.858+/-0.009 χ^2/NDF: 2281000.2/19

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

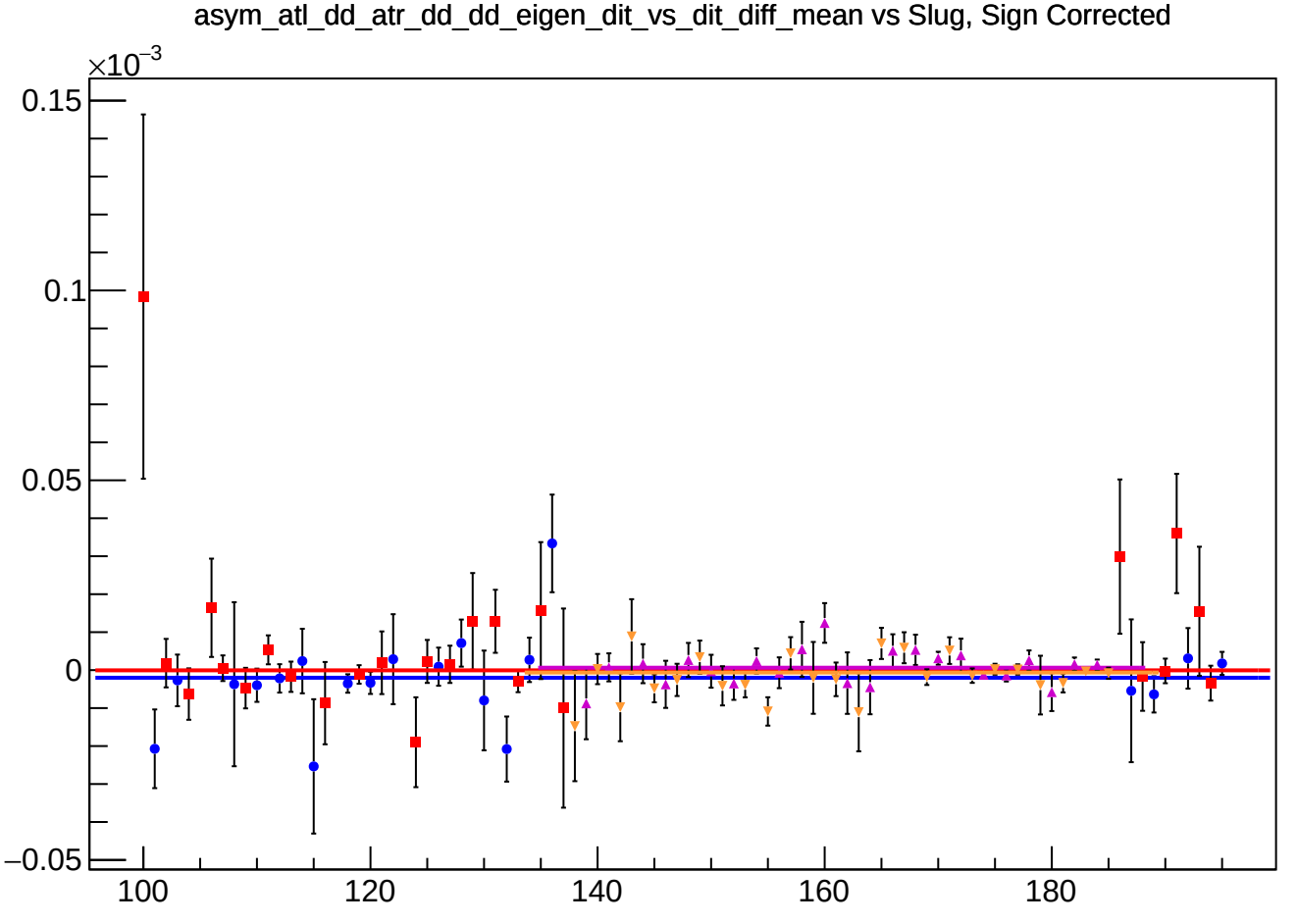
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.816+/-0.007 χ^2/NDF: 6398536.6/44

In: 34.403+/-0.006 χ^2/NDF:12385641.9/42

Out: 35.767+/-0.006 χ^2/NDF:15569098.3/49

All: 35.066+/-0.004 χ^2/NDF: 27983239.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

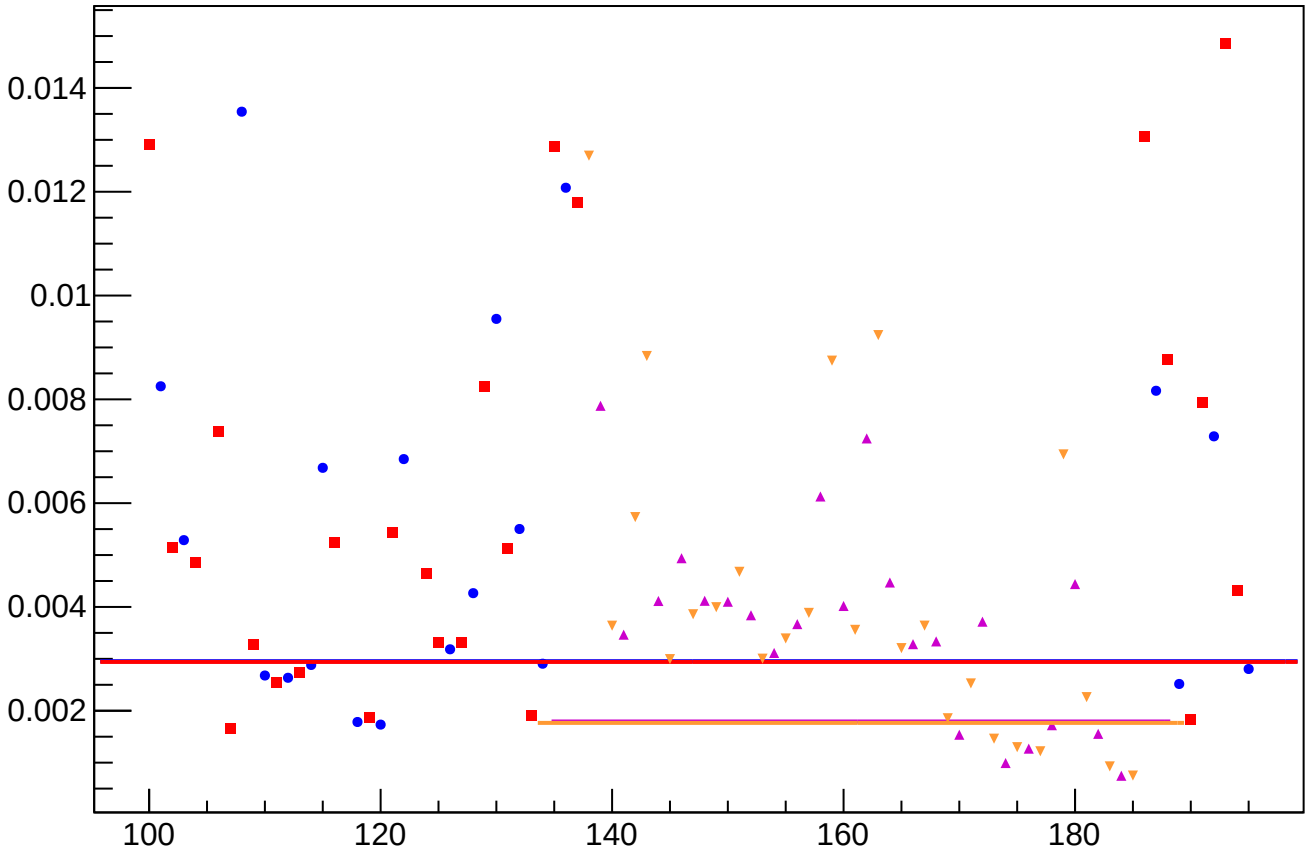
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 54.1/44

In: 0.000+/-0.000 χ^2/NDF:51.1/42

Out: -0.000+/-0.000 χ^2/NDF:56.4/49

All: -0.000+/-0.000 χ^2/NDF: 108.4/92



Right In: 0.003+/-0.000 χ^2/NDF: 4924393.0/19

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6280650.5/24

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

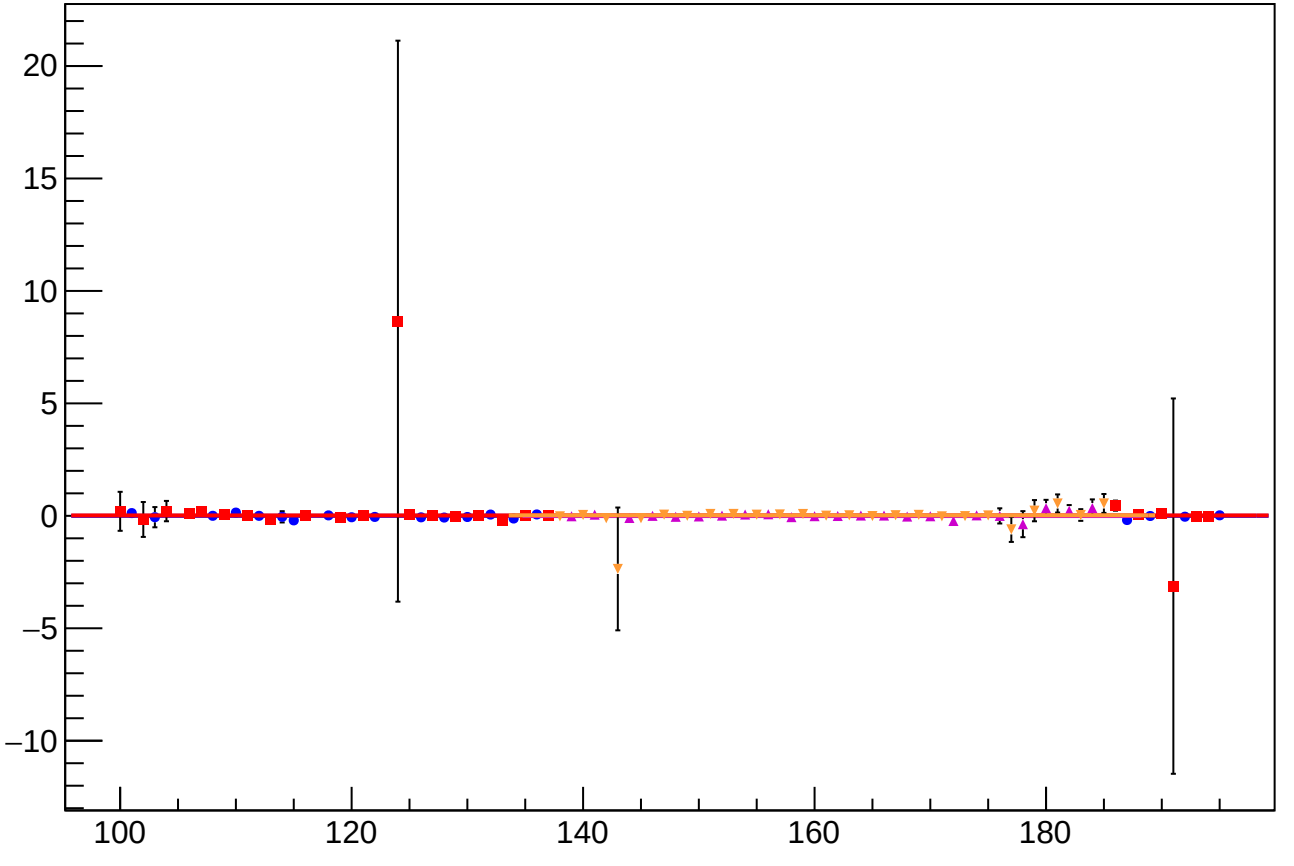
Right: 0.003+/-0.000 χ^2/NDF: 11205215.3/44

In: 0.002+/-0.000 χ^2/NDF:17360619.0/42

Out: 0.002+/-0.000 χ^2/NDF:21197765.1/49

All: 0.002+/-0.000 χ^2/NDF: 38559735.7/92

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

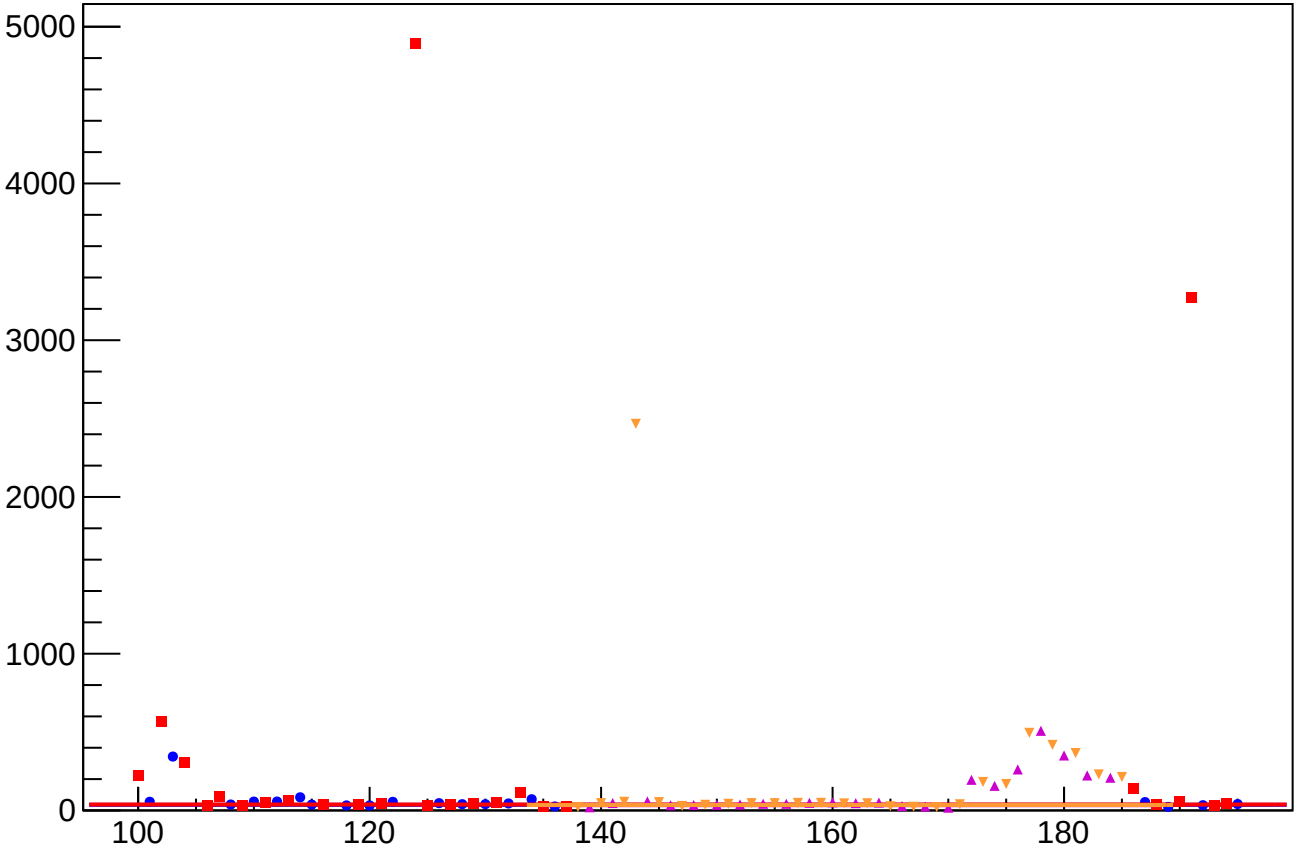
Right: 0.008+/-0.010 χ^2/NDF: 44.1/44

In: -0.006+/-0.008 χ^2/NDF:38.1/42

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.2/92

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

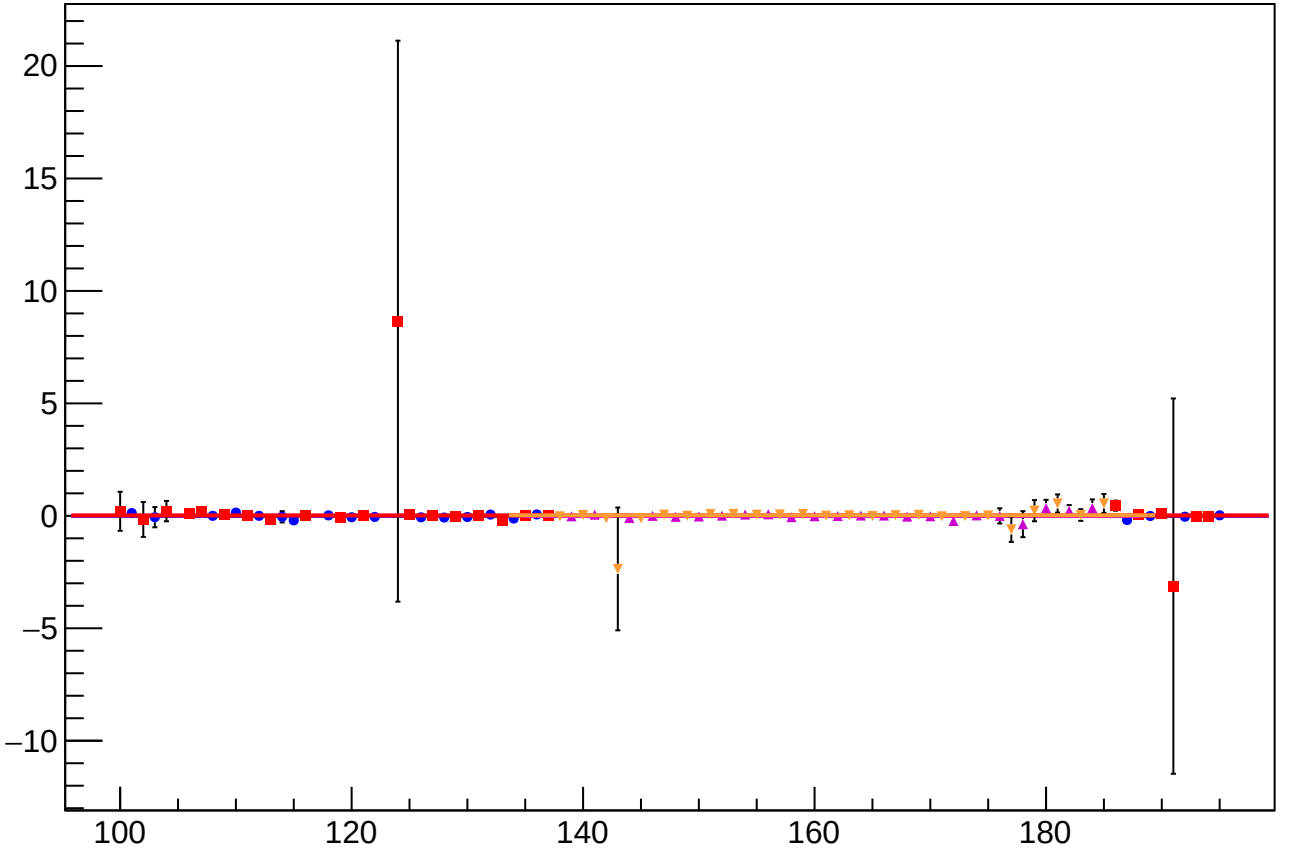
Right: 36.817+/-0.007 χ^2/NDF: 6397562.1/44

In: 34.405+/-0.006 χ^2/NDF:12383715.3/42

Out: 35.766+/-0.006 χ^2/NDF:15568993.5/49

All: 35.067+/-0.004 χ^2/NDF: 27981096.0/92

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

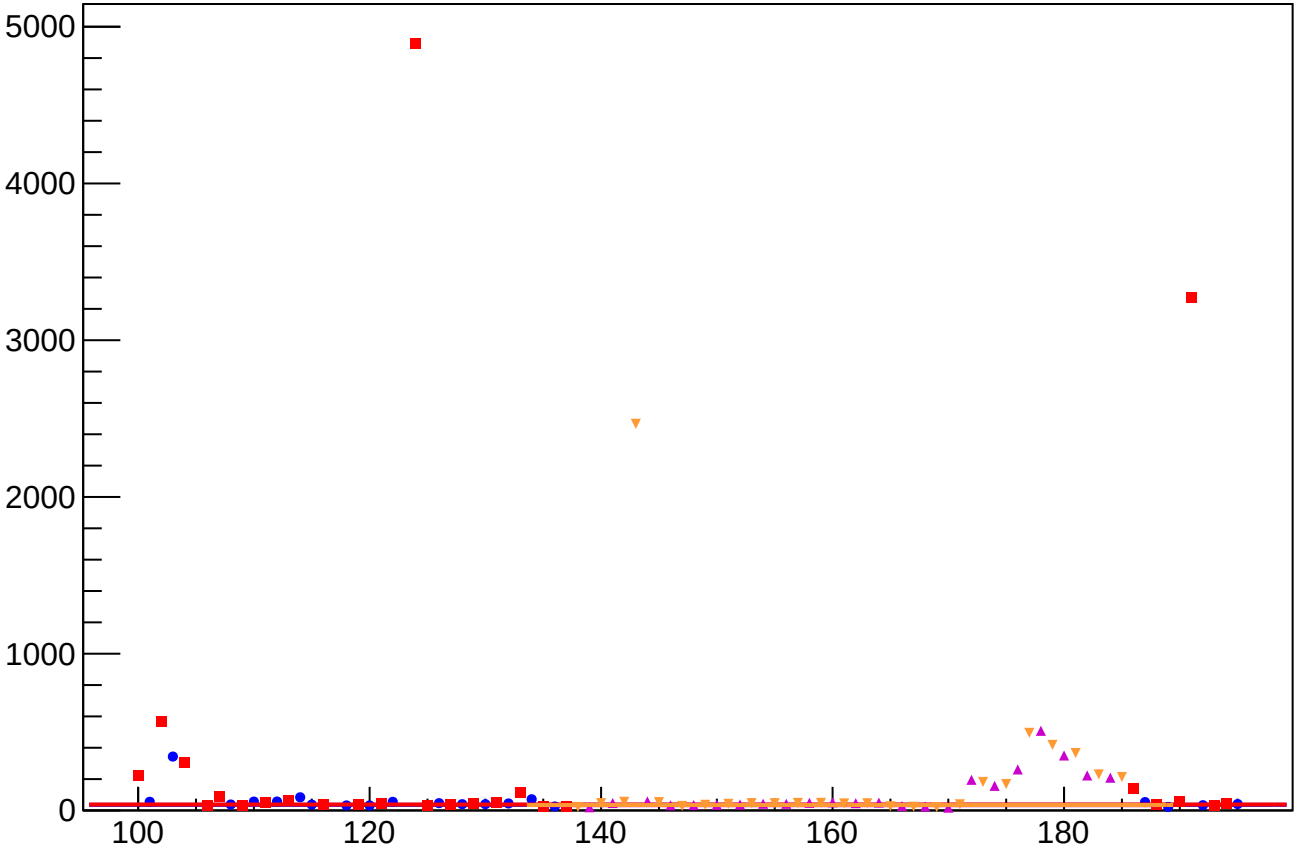
Right: 0.008+/-0.010 χ^2/NDF: 44.1/44

In: -0.006+/-0.008 χ^2/NDF:38.1/42

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.2/92

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

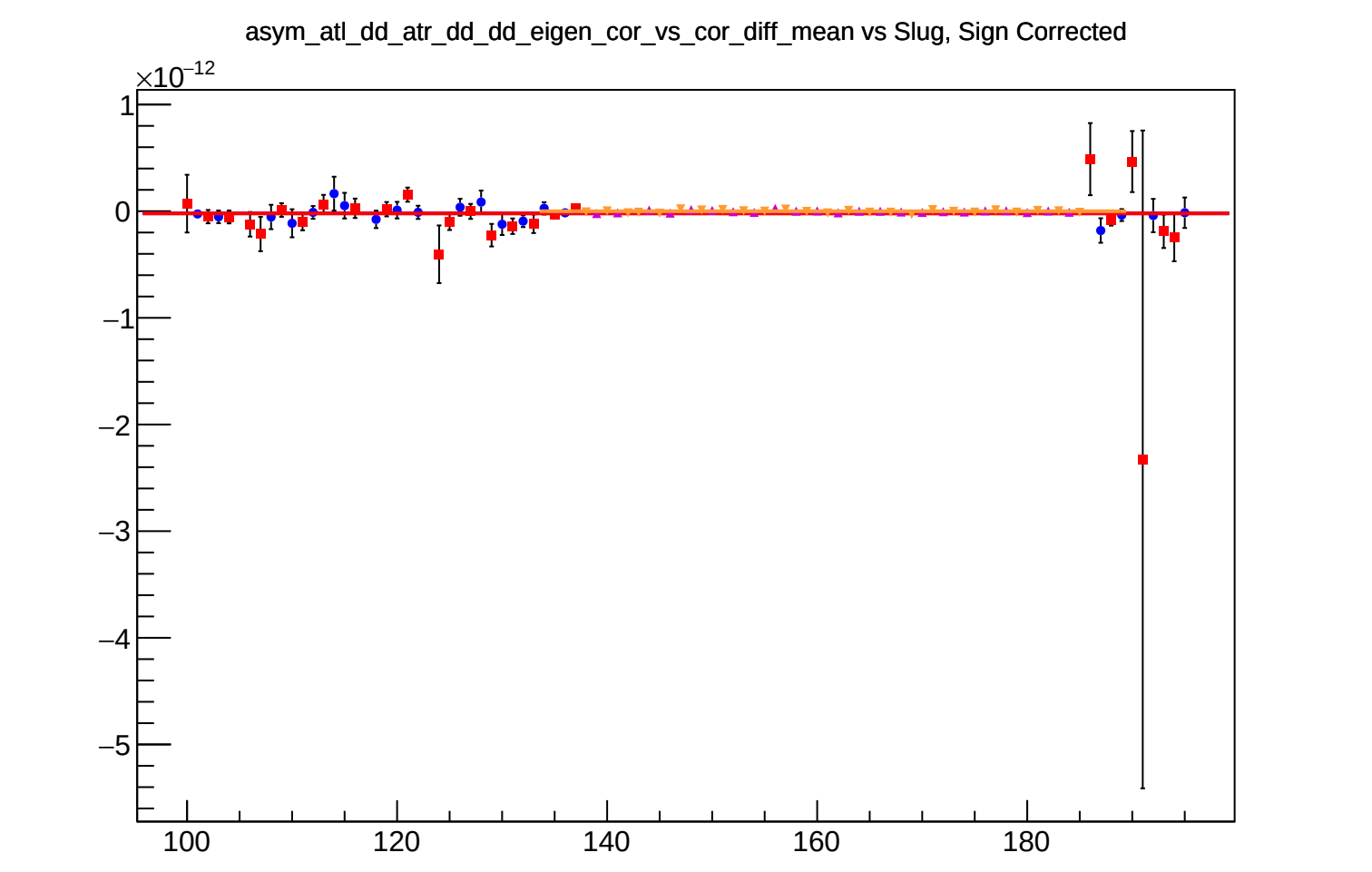
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 36.817+/-0.007 χ^2/NDF: 6397562.1/44

In: 34.405+/-0.006 χ^2/NDF:12383715.3/42

Out: 35.766+/-0.006 χ^2/NDF:15568993.5/49

All: 35.067+/-0.004 χ^2/NDF: 27981096.0/92



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/24

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

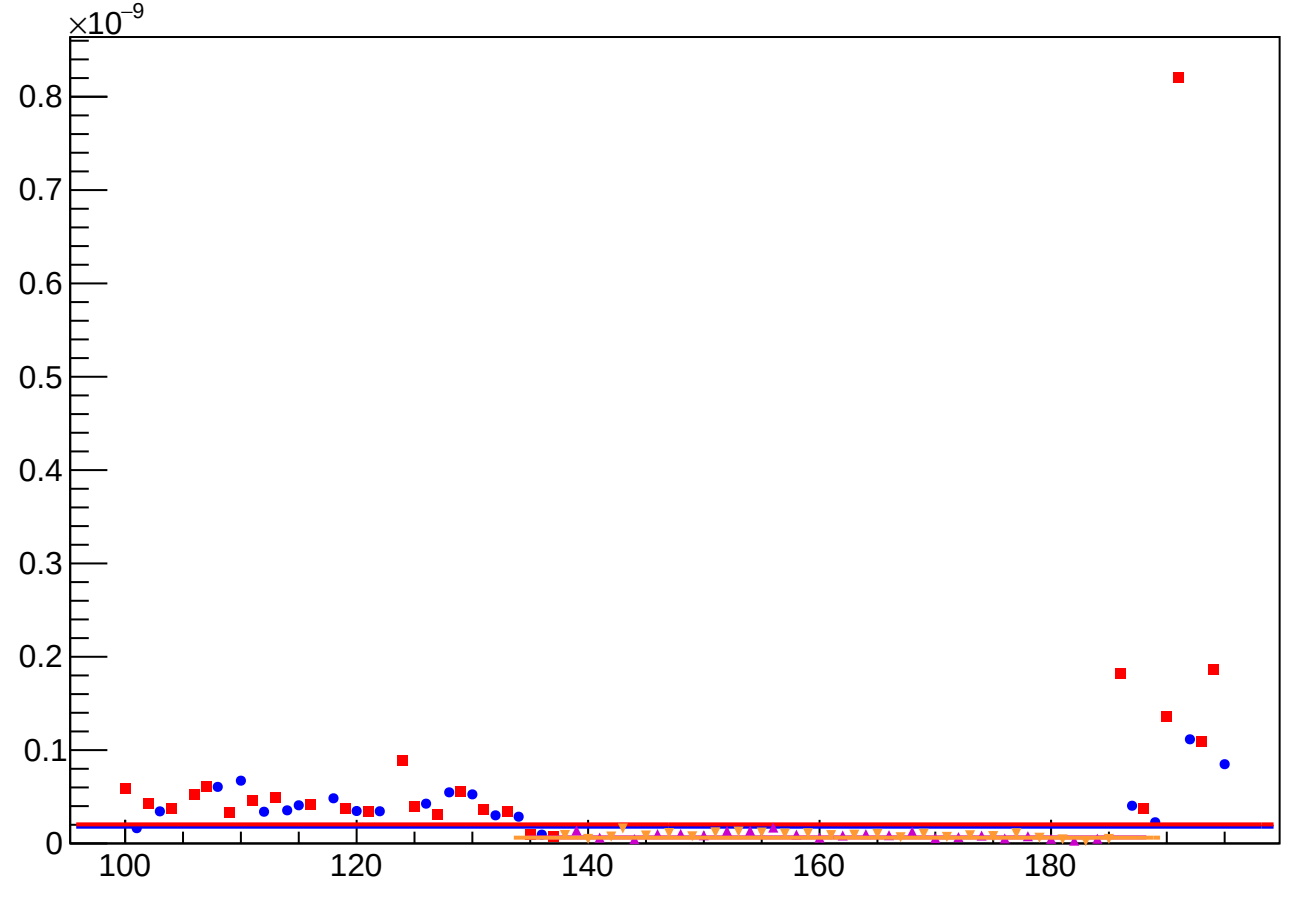
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.3/44

In: -0.000+/-0.000 χ^2/NDF:33.6/42

Out: -0.000+/-0.000 χ^2/NDF:66.5/49

All: -0.000+/-0.000 χ^2/NDF: 100.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 4478406.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6635620.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

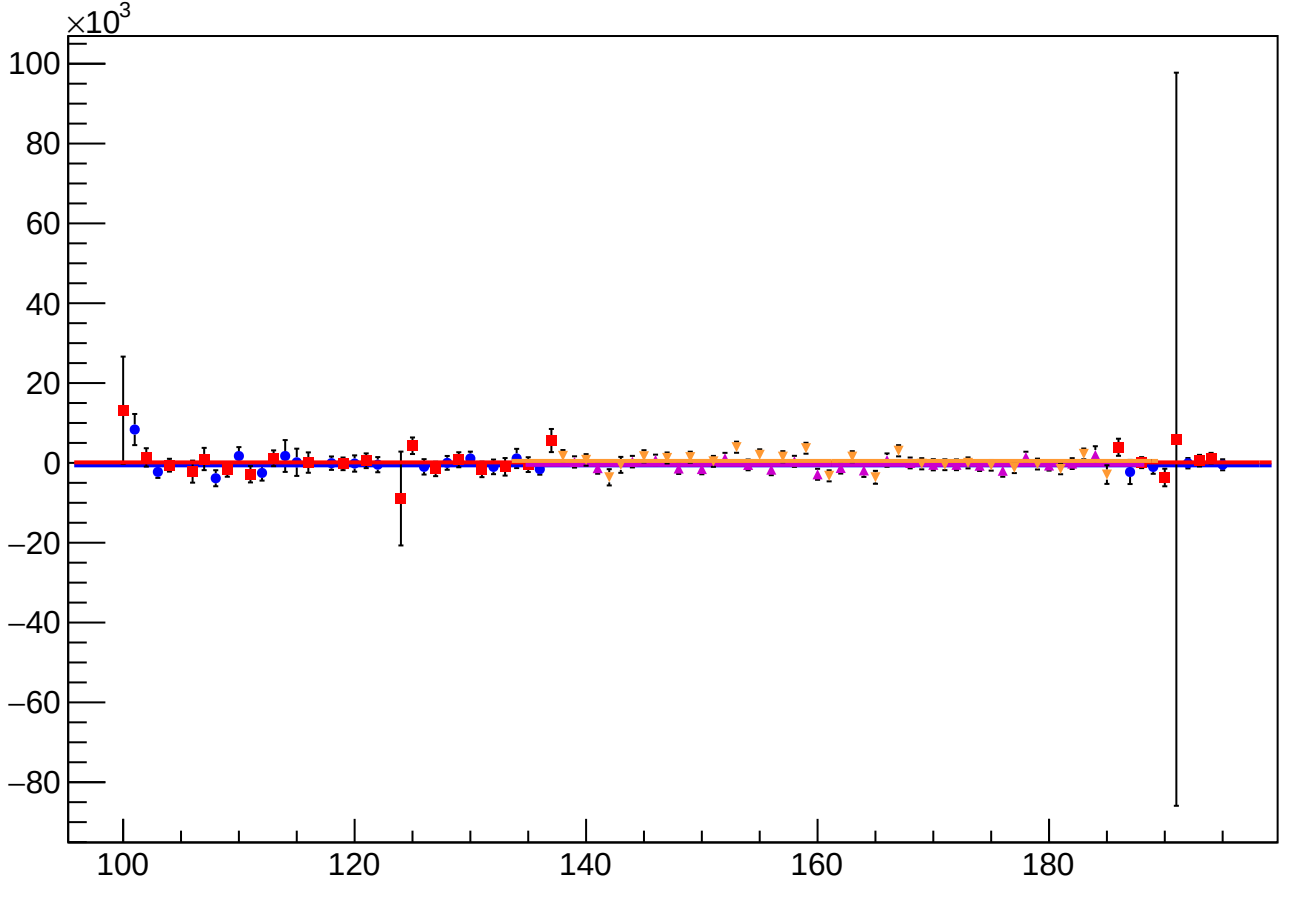
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11172886.7/44

In: 0.000+/-0.000 χ^2/NDF:11155348.0/42

Out: 0.000+/-0.000 χ^2/NDF:15107973.1/49

All: 0.000+/-0.000 χ^2/NDF: 26289528.5/92



Right In: -614.675+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 122.782+/-402.054 χ^2/NDF: 22.8/24

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

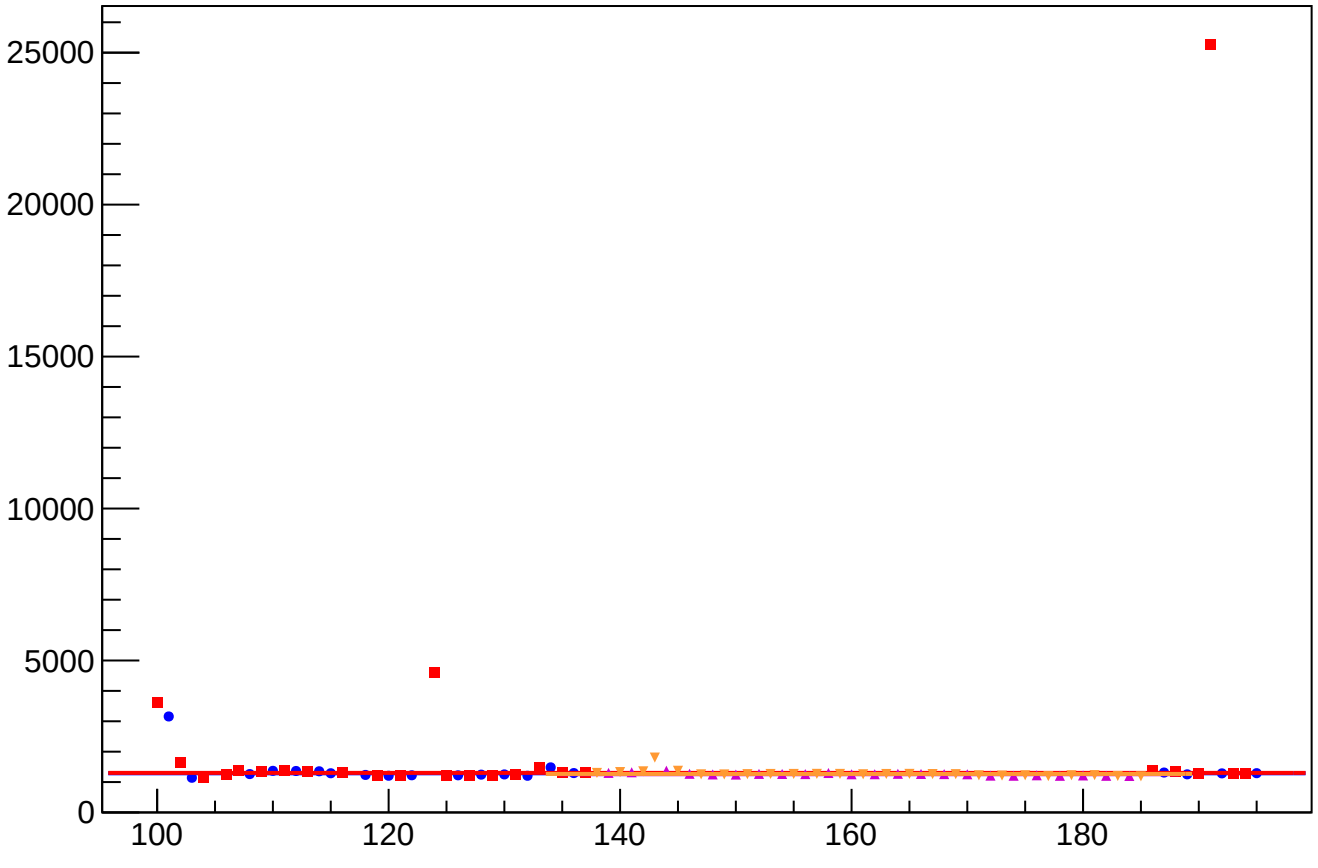
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -232.381+/-289.477 χ^2/NDF: 38.9/44

In: -529.211+/-240.182 χ^2/NDF:28.9/42

Out: 366.551+/-234.395 χ^2/NDF:70.3/49

All: -70.409+/-167.751 χ^2/NDF: 106.3/92



Right In: 1287.759+/-0.295 χ^2/NDF: 515618.9/19

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

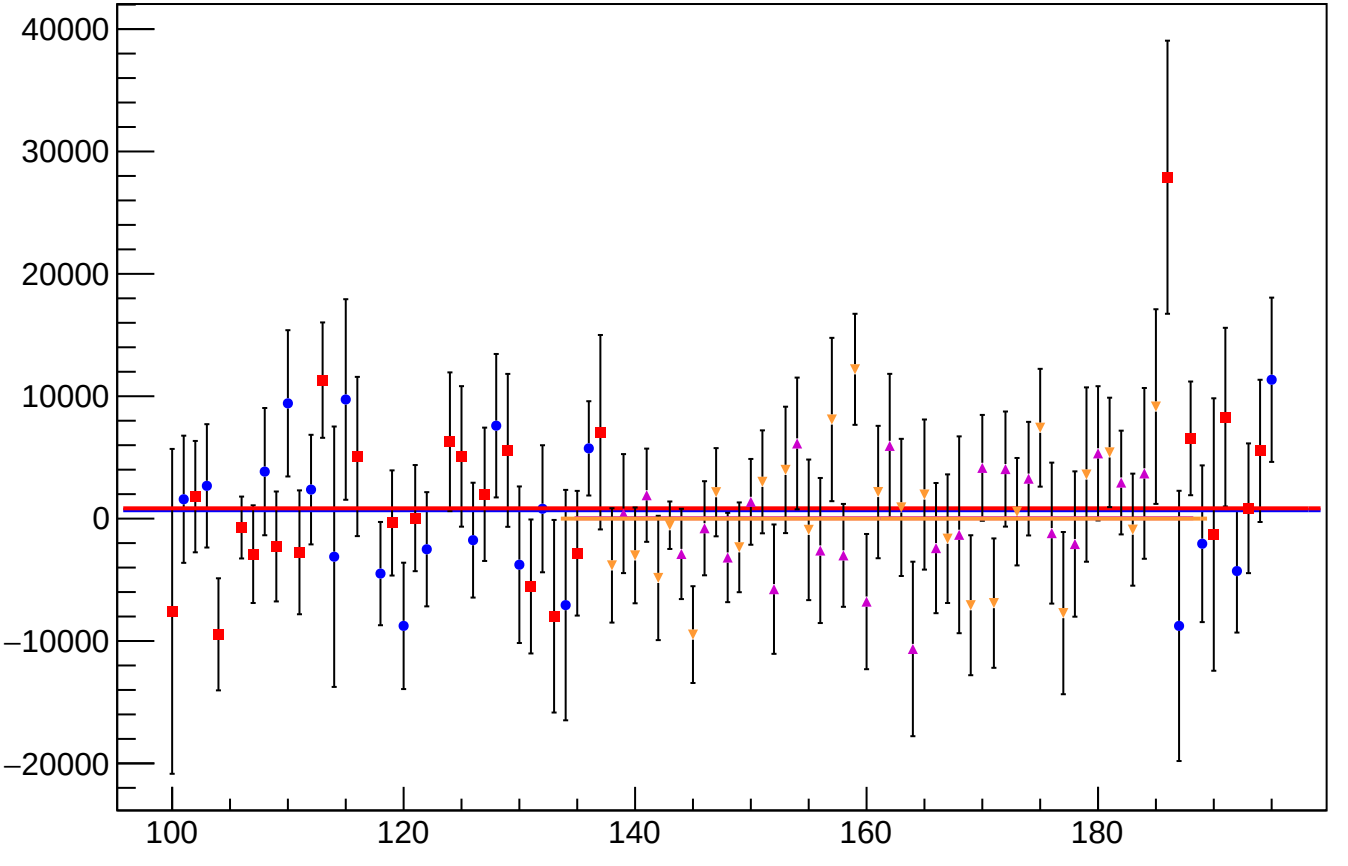
Right: 1295.194+/-0.205 χ^2/NDF: 982333.7/44

In: 1267.567+/-0.170 χ^2/NDF:559446.7/42

Out: 1278.929+/-0.166 χ^2/NDF:663128.1/49

All: 1273.390+/-0.119 χ^2/NDF: 1224868.4/92

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 686.766+/-1227.454 χ^2/NDF: 18.5/19

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

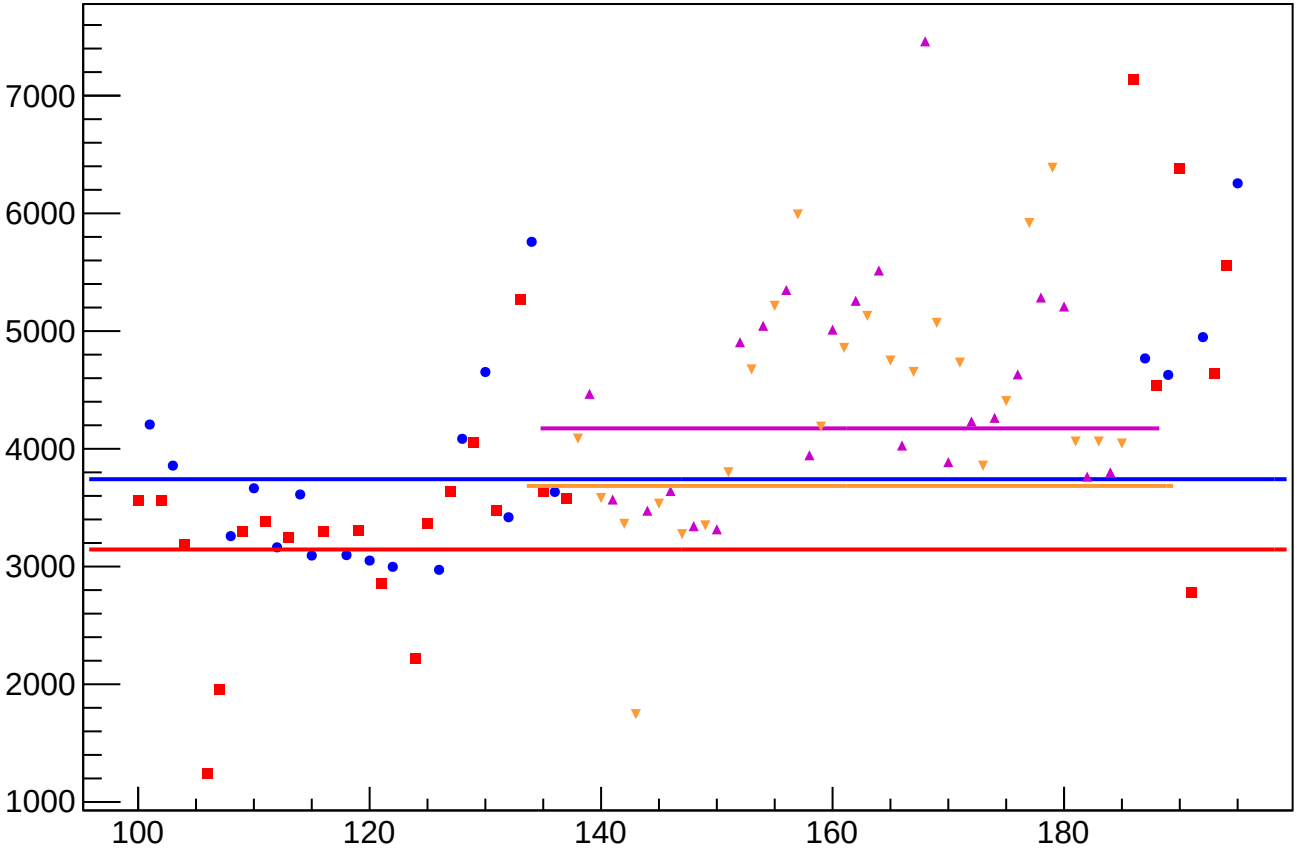
Right: 777.907+/-785.623 χ^2/NDF: 46.7/44

In: 291.504+/-773.107 χ^2/NDF:32.7/42

Out: 360.605+/-669.804 χ^2/NDF:57.6/49

All: 330.976+/-506.235 χ^2/NDF: 90.3/92

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3741.990+/-0.868 χ^2/NDF: 867873.6/19

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

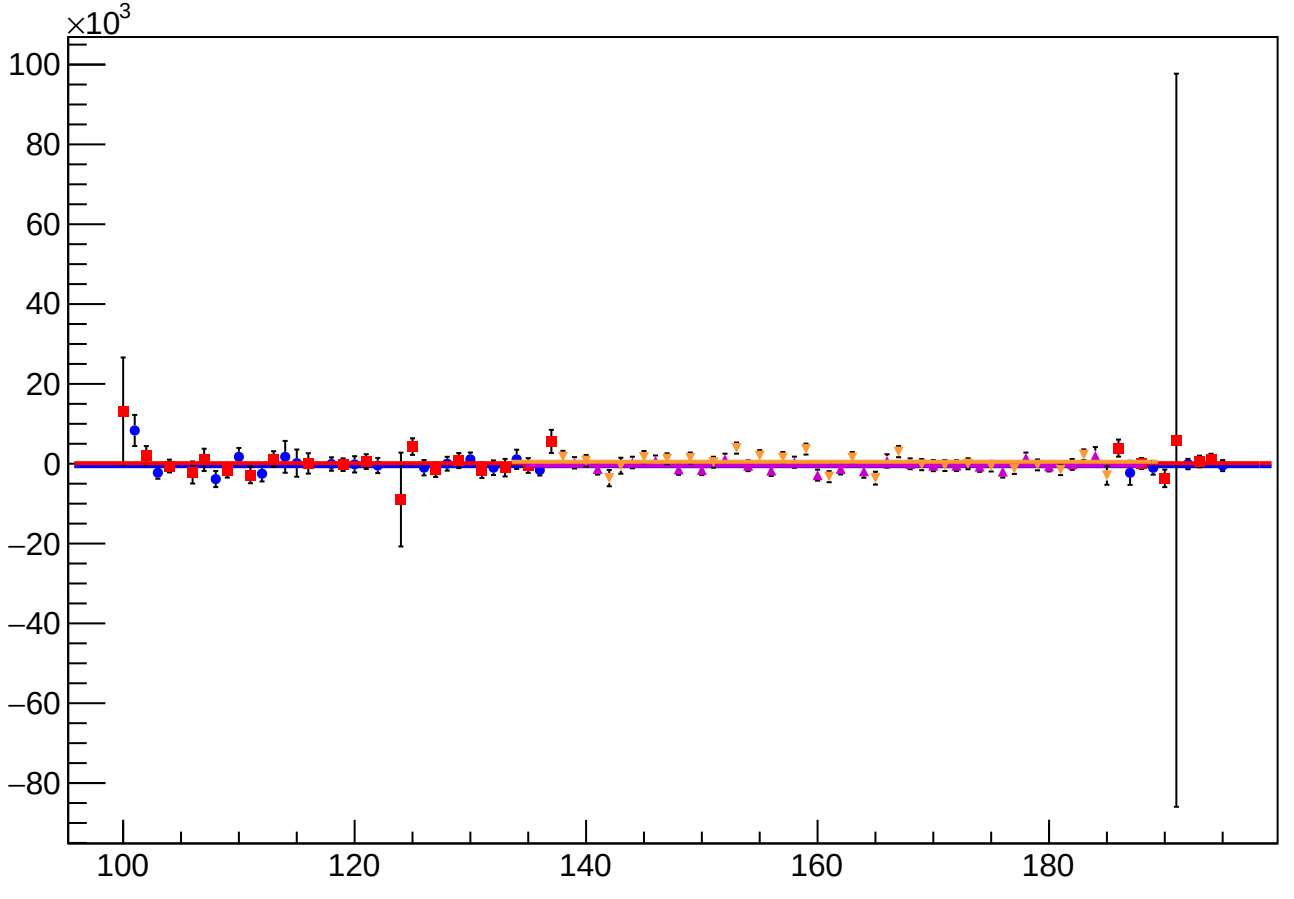
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3389.543+/-0.556 χ^2/NDF: 3904337.9/44

In: 4002.351+/-0.547 χ^2/NDF:2291998.8/42

Out: 3453.134+/-0.474 χ^2/NDF:6769004.2/49

All: 3688.623+/-0.358 χ^2/NDF: 9637569.5/92



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

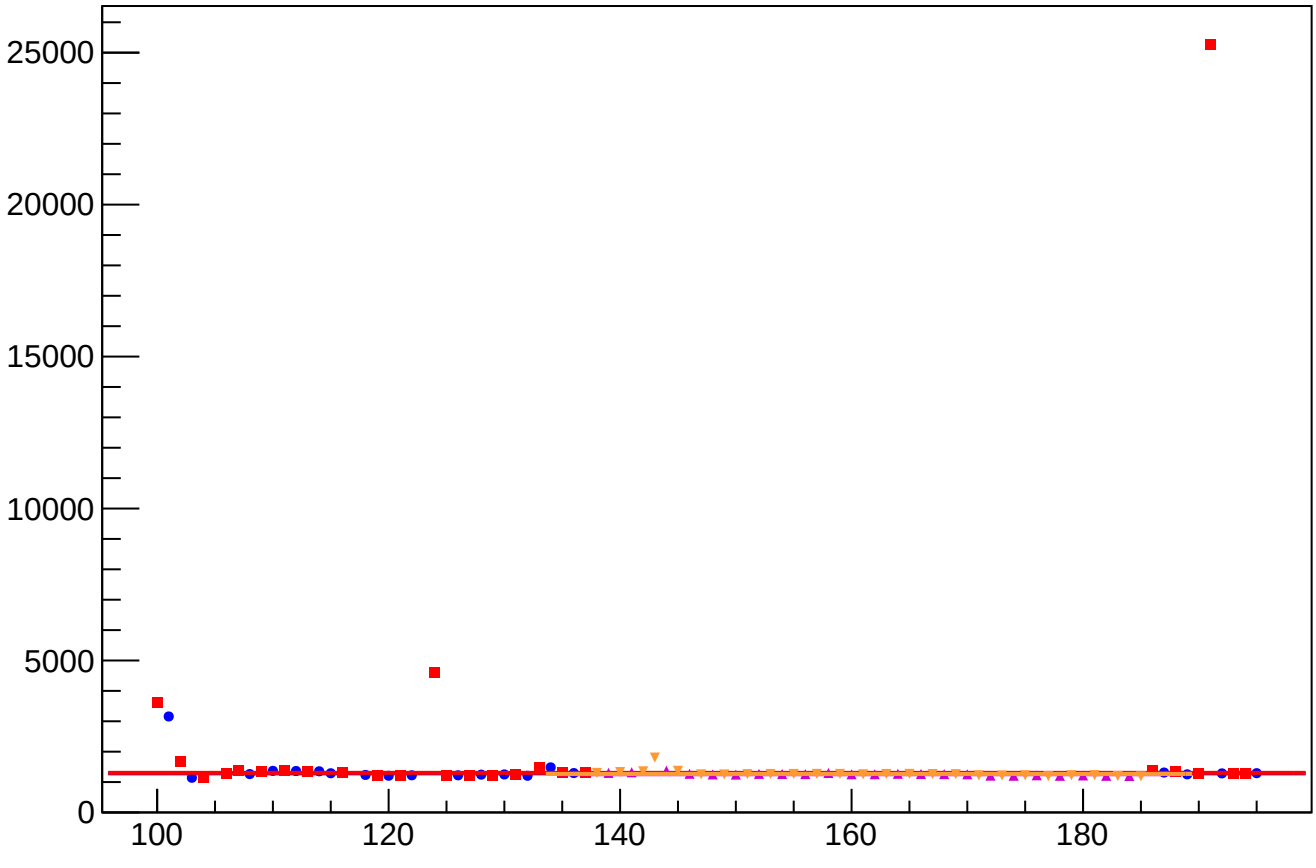
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -222.383+/-289.545 χ^2/NDF: 39.4/44

In: -529.234+/-240.182 χ^2/NDF:28.9/42

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -66.988+/-167.764 χ^2/NDF: 106.8/92



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

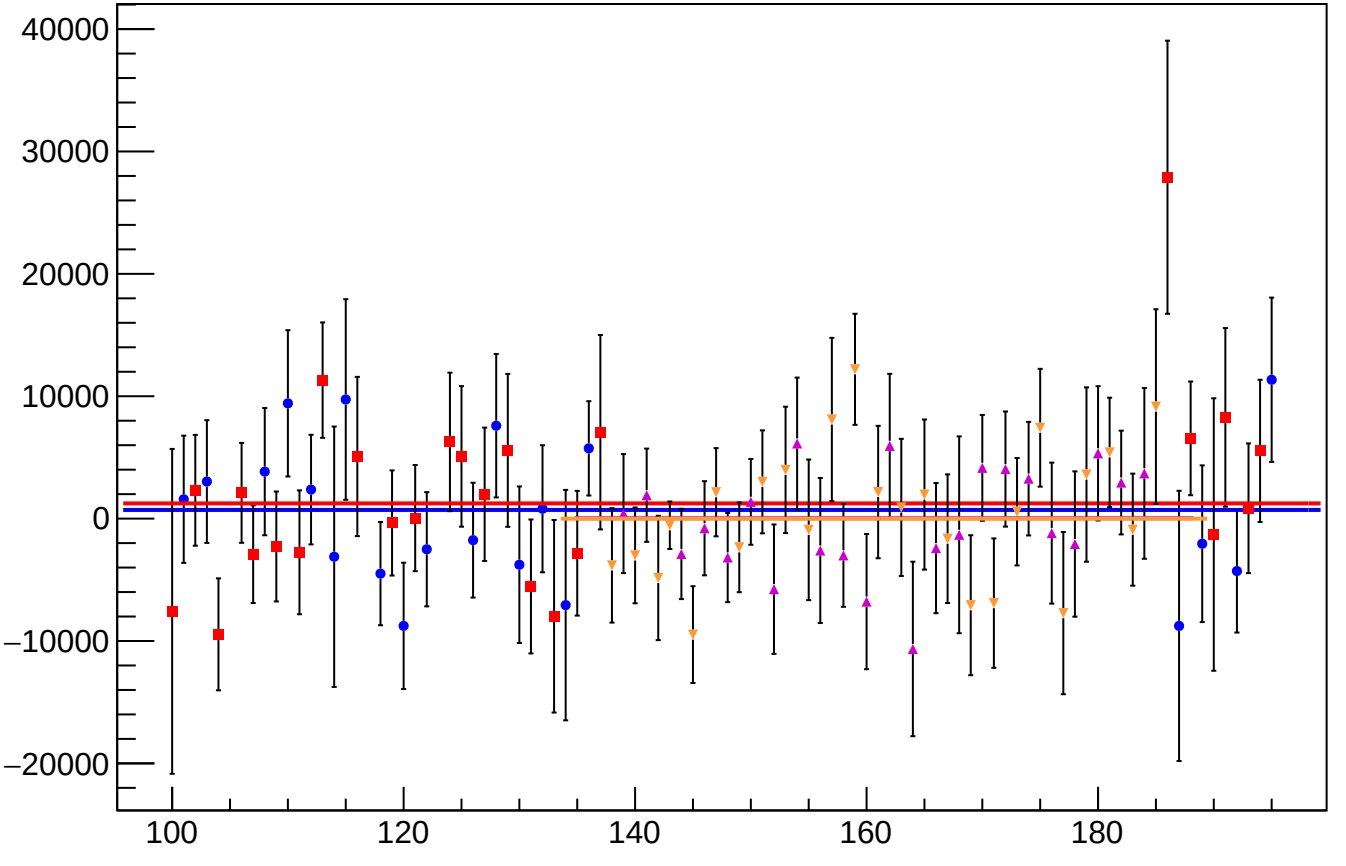
Right: 1295.906+/-0.205 χ^2/NDF: 989008.6/44

In: 1267.567+/-0.170 χ^2/NDF:559448.0/42

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

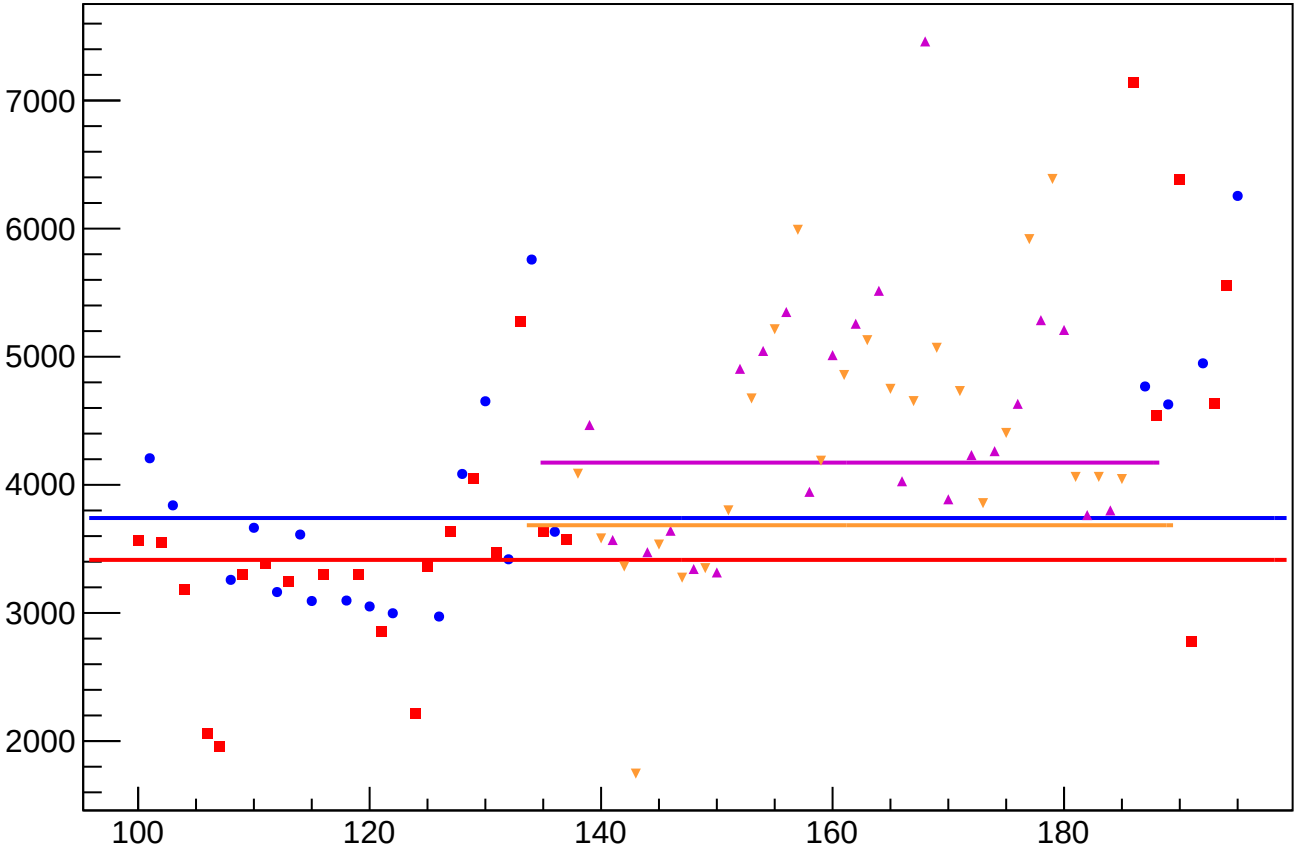
Right: 1010.343+/-809.802 χ^2/NDF: 46.5/44

In: 300.403+/-773.016 χ^2/NDF:32.7/42

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 412.917+/-512.533 χ^2/NDF: 90.5/92

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

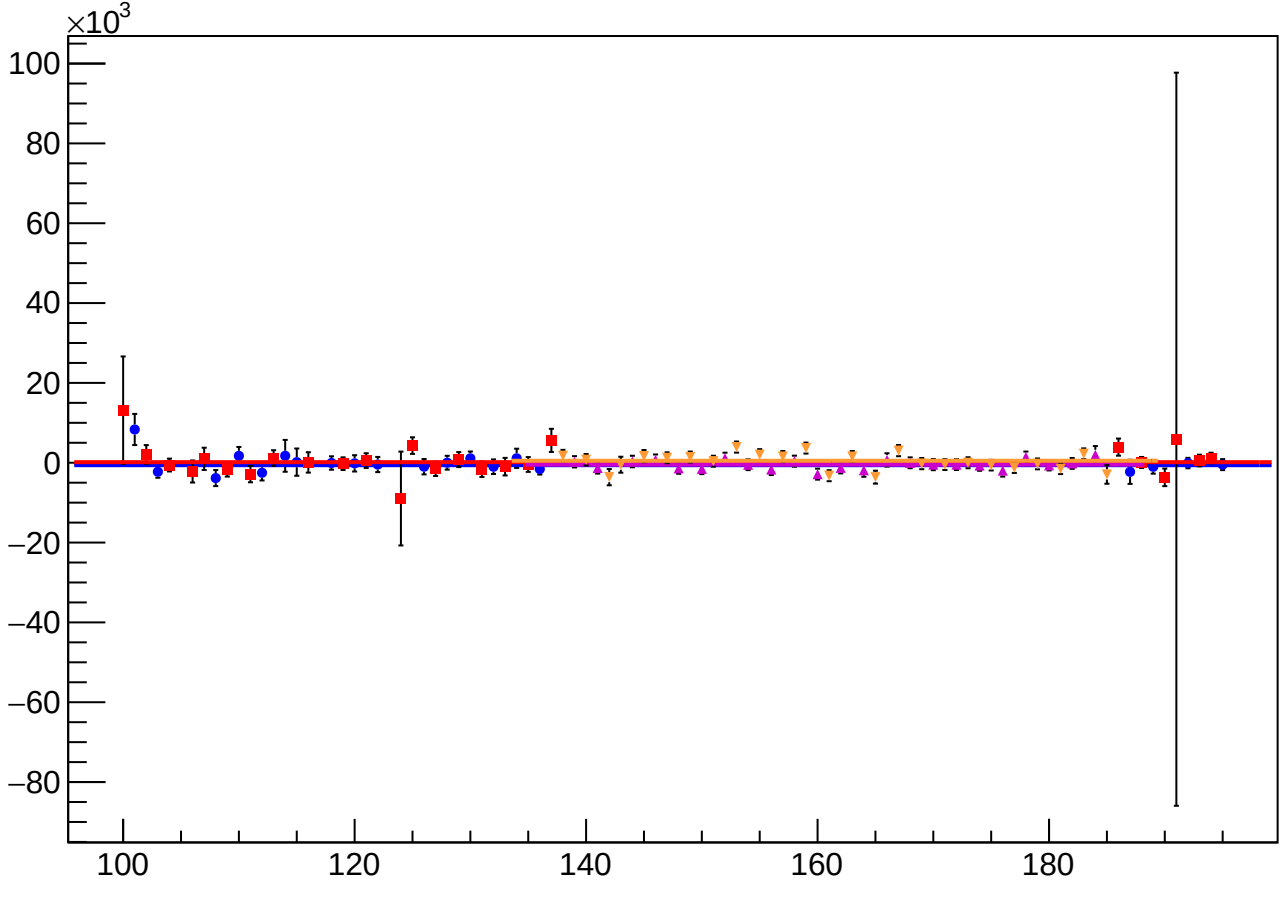
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3556.594+/-0.573 χ^2/NDF: 2587509.0/44

In: 4001.921+/-0.547 χ^2/NDF:2292473.4/42

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

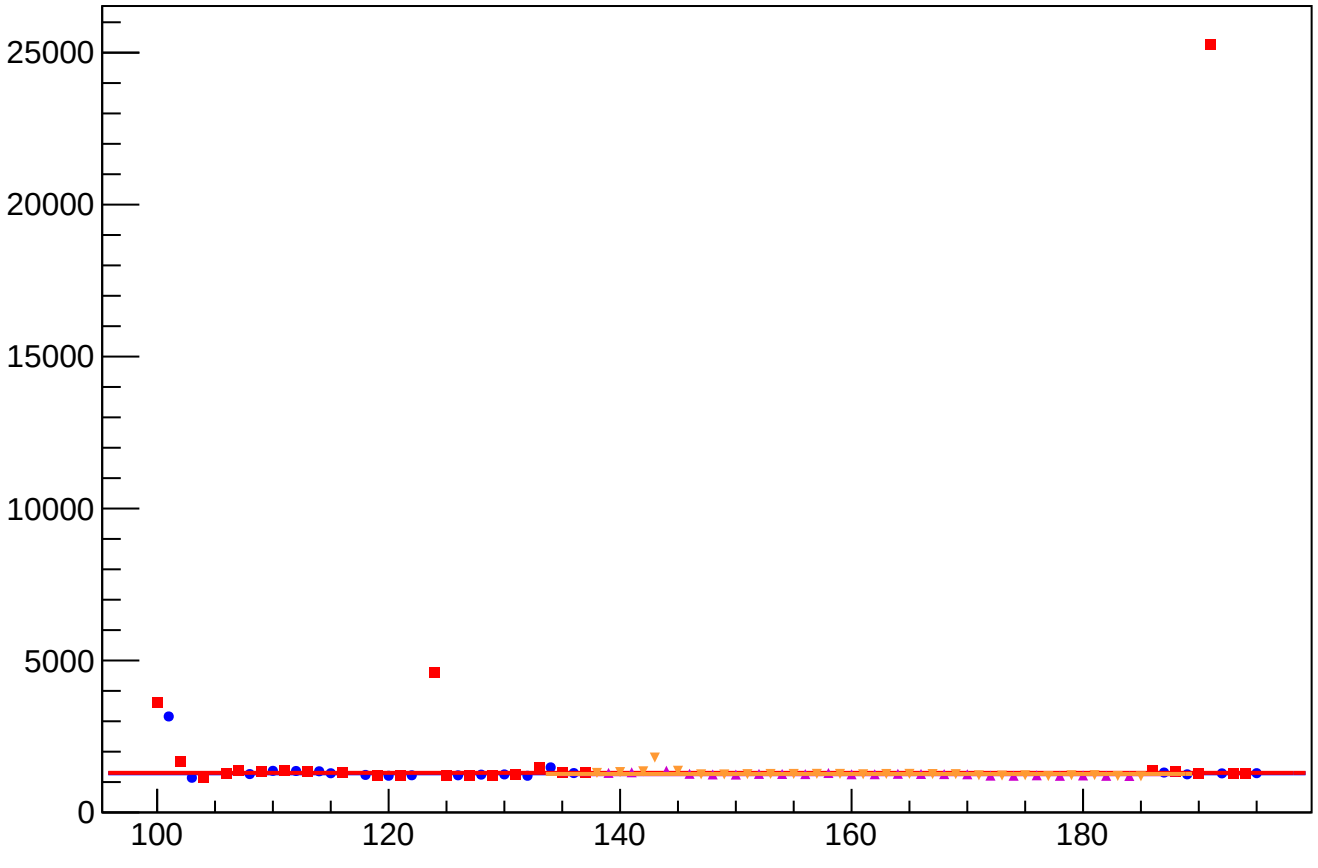
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -222.383+/-289.545 χ^2/NDF: 39.4/44

In: -529.234+/-240.182 χ^2/NDF:28.9/42

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -66.988+/-167.764 χ^2/NDF: 106.8/92



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

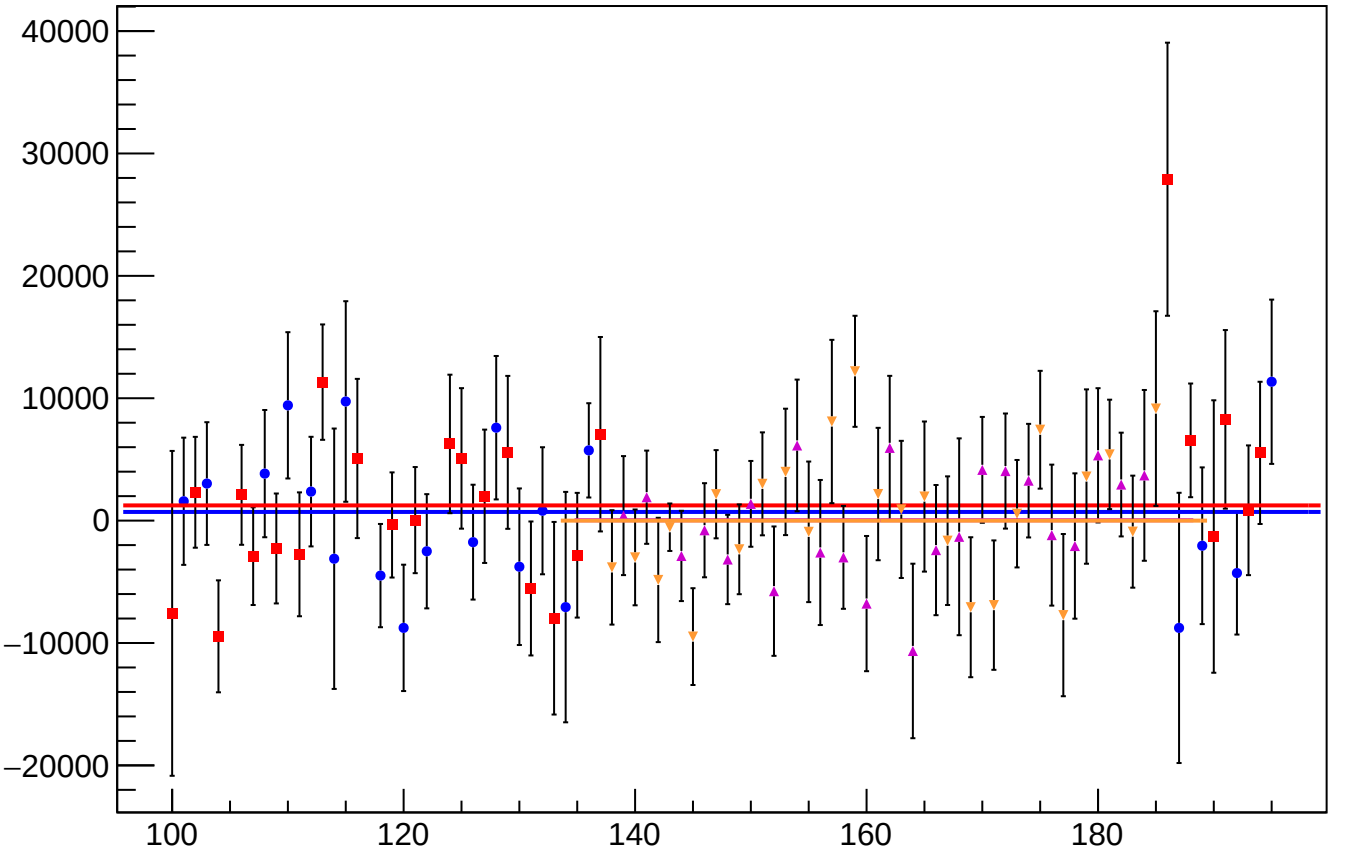
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.906+/-0.205 χ^2/NDF: 989008.6/44

In: 1267.567+/-0.170 χ^2/NDF:559448.0/42

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

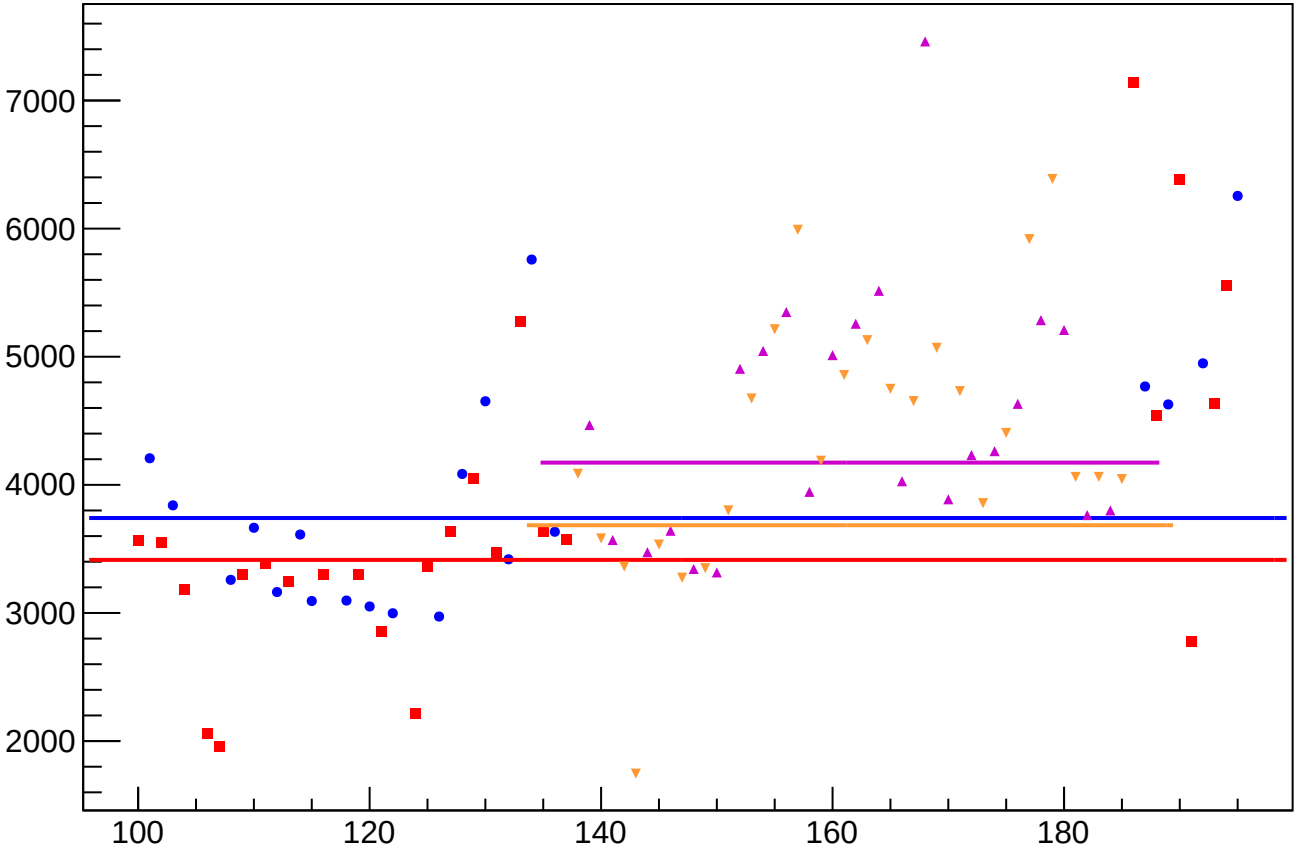
Right: 1010.343+/-809.802 χ^2/NDF: 46.5/44

In: 300.403+/-773.016 χ^2/NDF:32.7/42

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 412.917+/-512.533 χ^2/NDF: 90.5/92

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

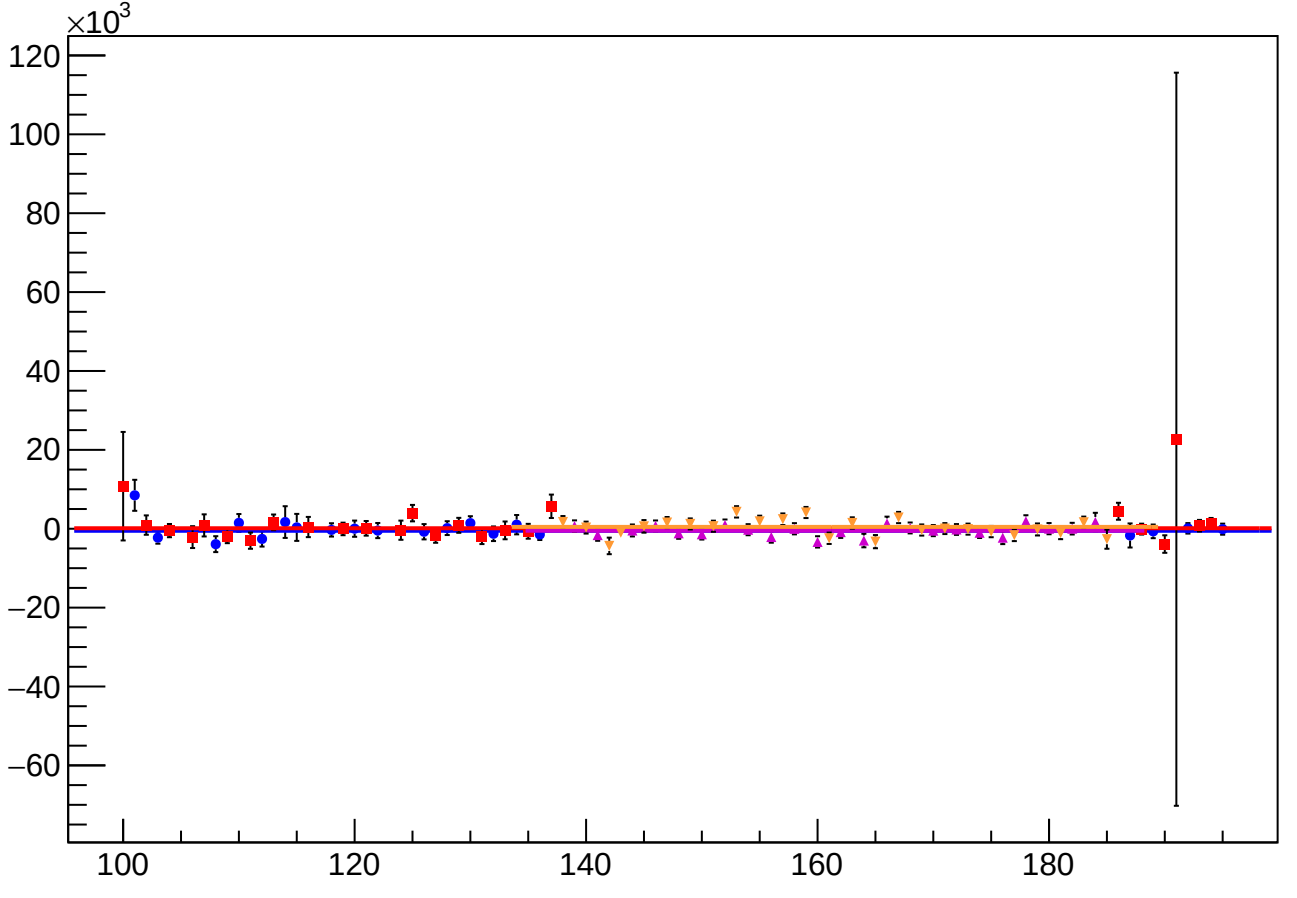
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3556.594+/-0.573 χ^2/NDF: 2587509.0/44

In: 4001.921+/-0.547 χ^2/NDF:2292473.4/42

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.732+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

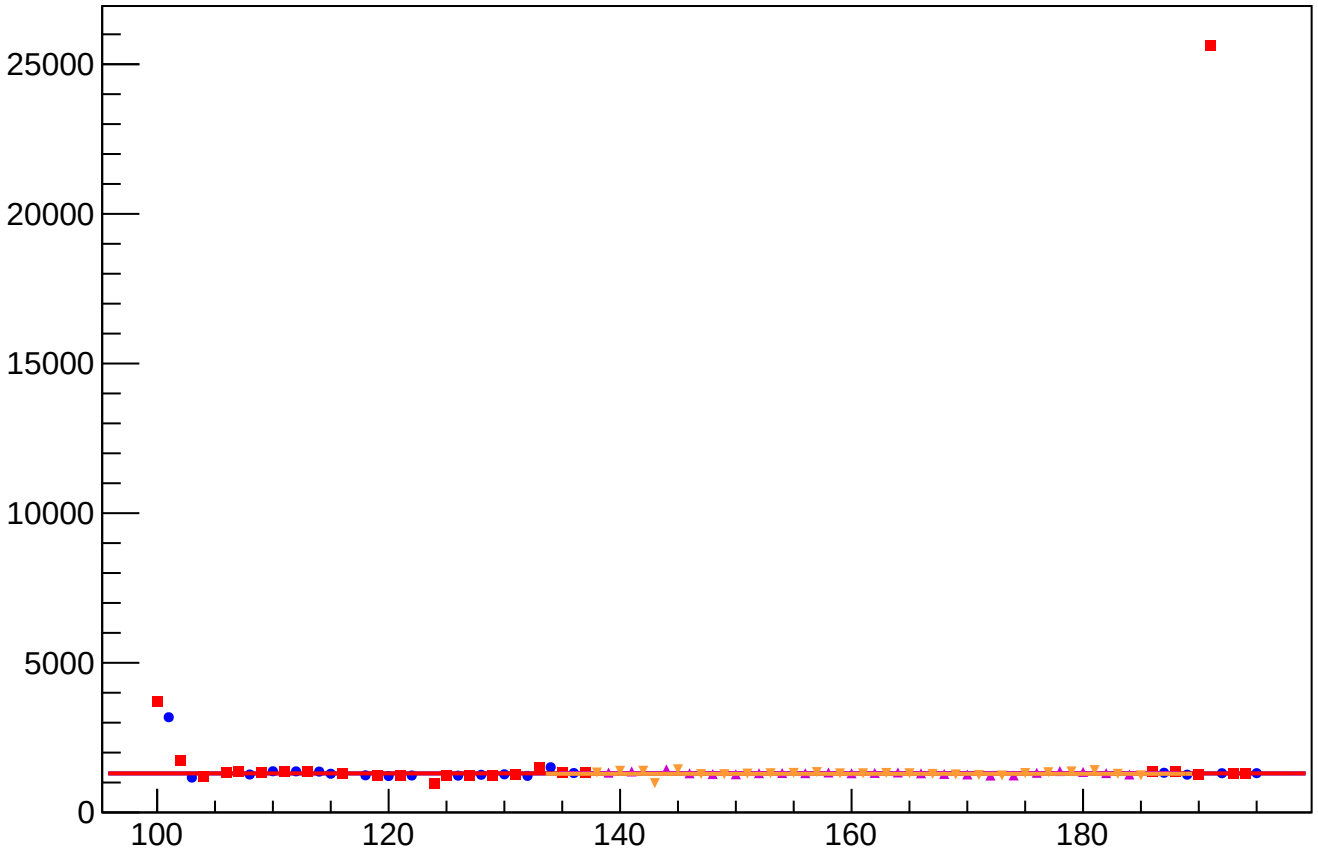
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -180.742+/-291.176 χ^2/NDF: 39.3/44

In: -507.625+/-248.327 χ^2/NDF:32.0/42

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.931+/-171.624 χ^2/NDF: 106.3/92



Right In: 1303.448+/-0.299 χ^2/NDF: 511957.8/19

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

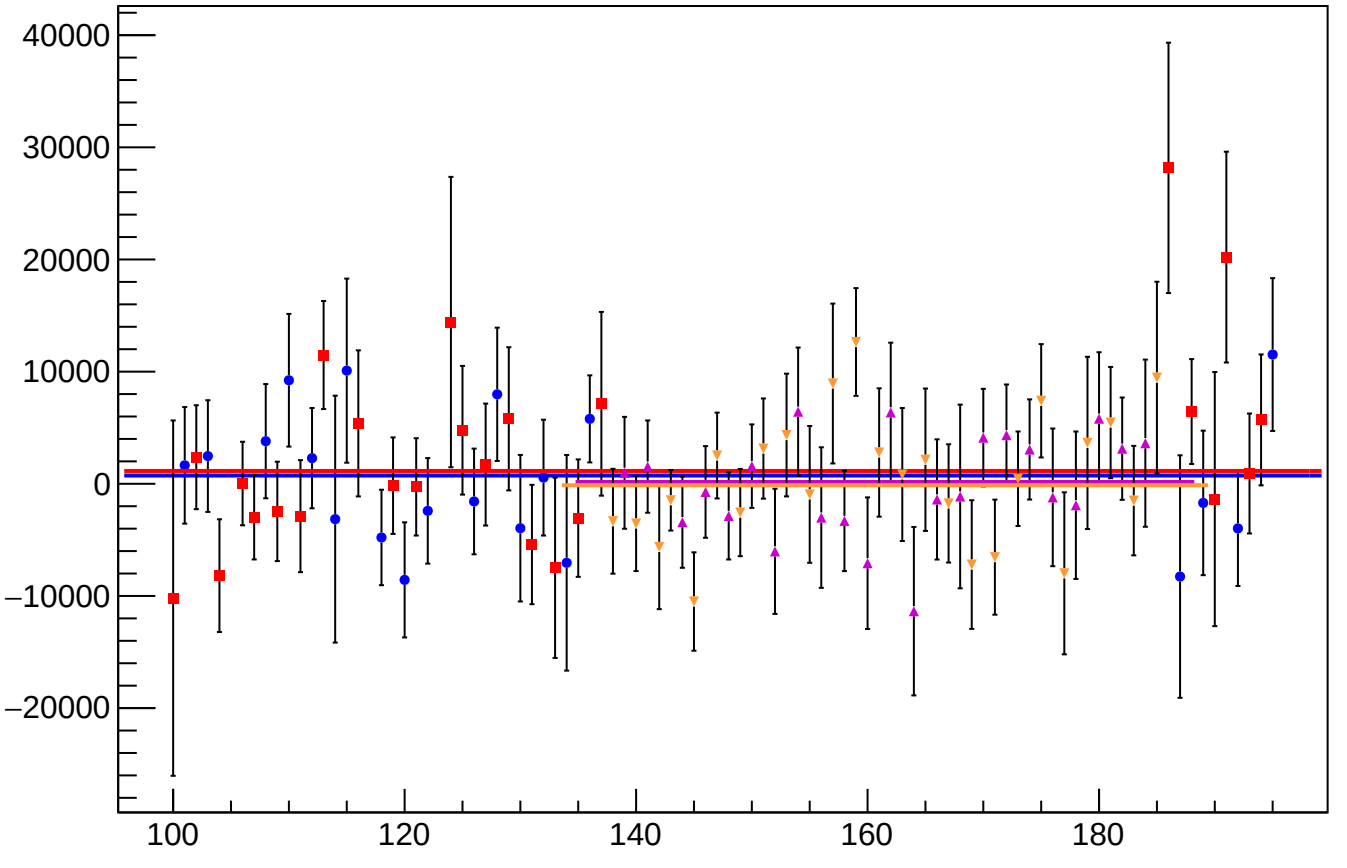
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.617+/-0.206 χ^2/NDF: 872122.5/44

In: 1310.353+/-0.176 χ^2/NDF:555820.5/42

Out: 1296.259+/-0.168 χ^2/NDF:592557.5/49

All: 1302.990+/-0.121 χ^2/NDF: 1151743.8/92



Right In: 738.920+/-1231.226 χ^2/NDF: 18.3/19

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1145.582+/-1096.551 χ^2/NDF: 29.6/24

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

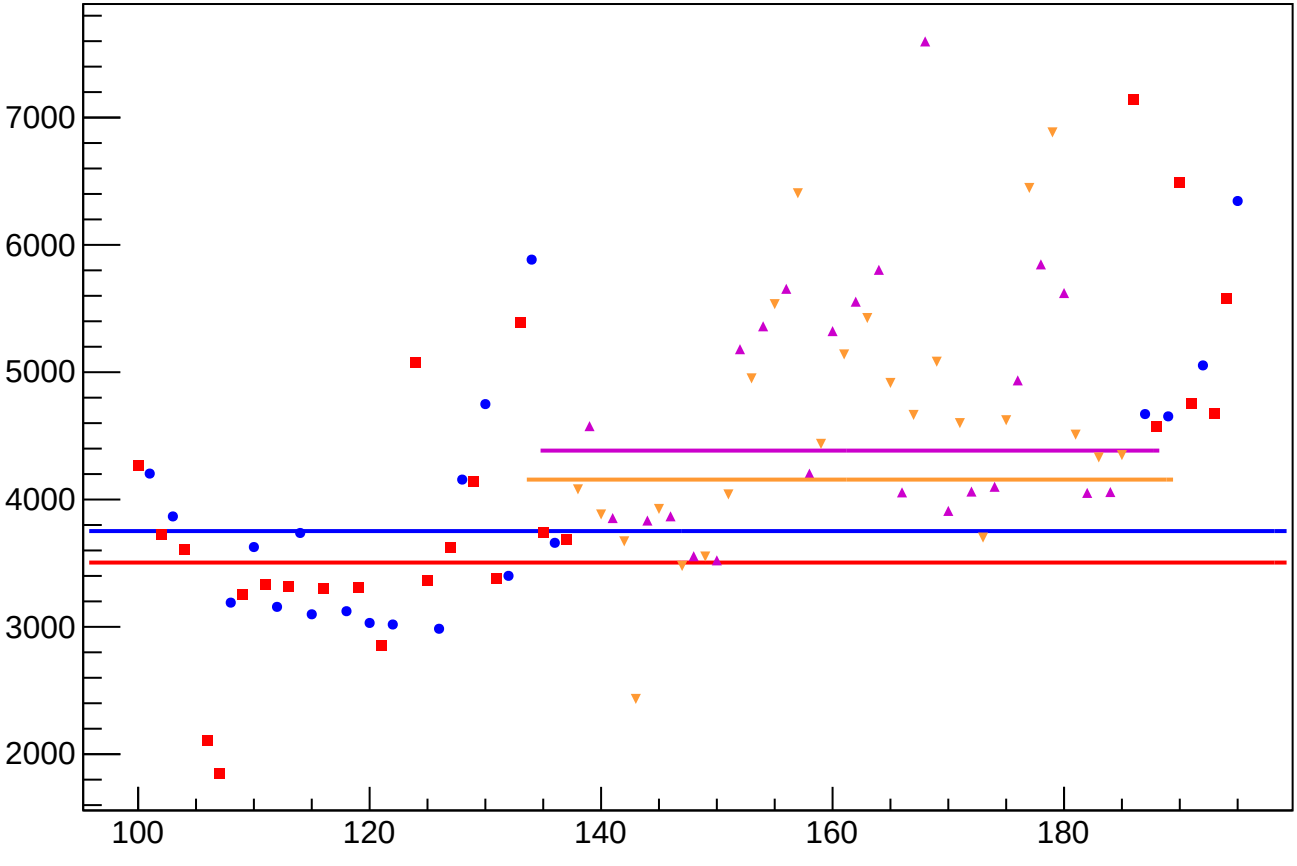
Right: 965.700+/-818.869 χ^2/NDF: 48.0/44

In: 402.231+/-796.944 χ^2/NDF:32.2/42

Out: 436.159+/-729.559 χ^2/NDF:58.9/49

All: 420.690+/-538.125 χ^2/NDF: 91.2/92

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3752.245+/-0.871 χ^2/NDF: 910787.1/19

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

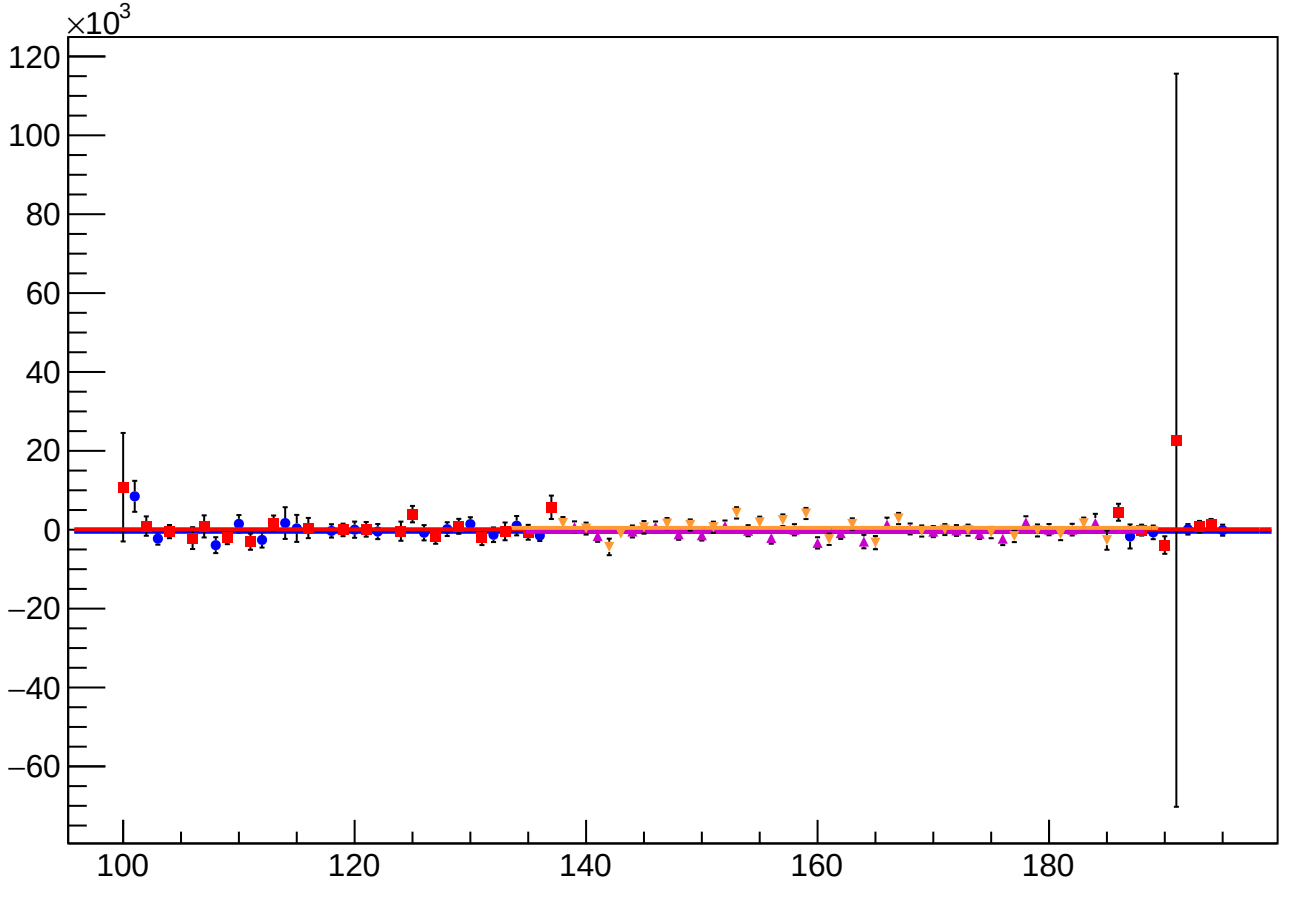
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3614.342+/-0.579 χ^2/NDF: 2702672.9/44

In: 4119.502+/-0.564 χ^2/NDF:2472522.0/42

Out: 3868.139+/-0.516 χ^2/NDF:4221295.0/49

All: 3982.746+/-0.381 χ^2/NDF: 6802066.1/92



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.727+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

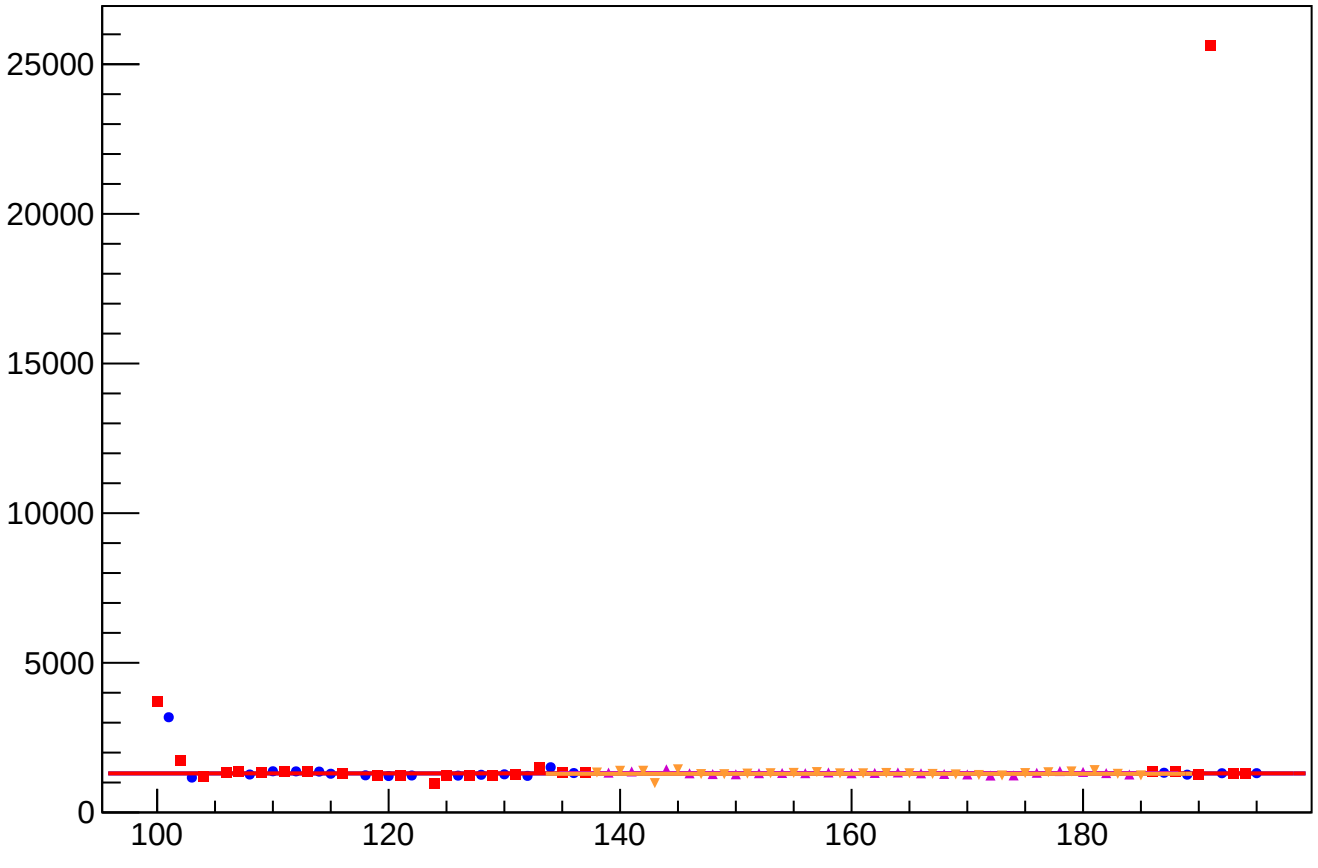
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -180.745+/-291.176 χ^2/NDF: 39.3/44

In: -507.626+/-248.327 χ^2/NDF:32.0/42

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.931+/-171.624 χ^2/NDF: 106.3/92



Right In: 1303.448+/-0.299 χ^2/NDF: 511958.0/19

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

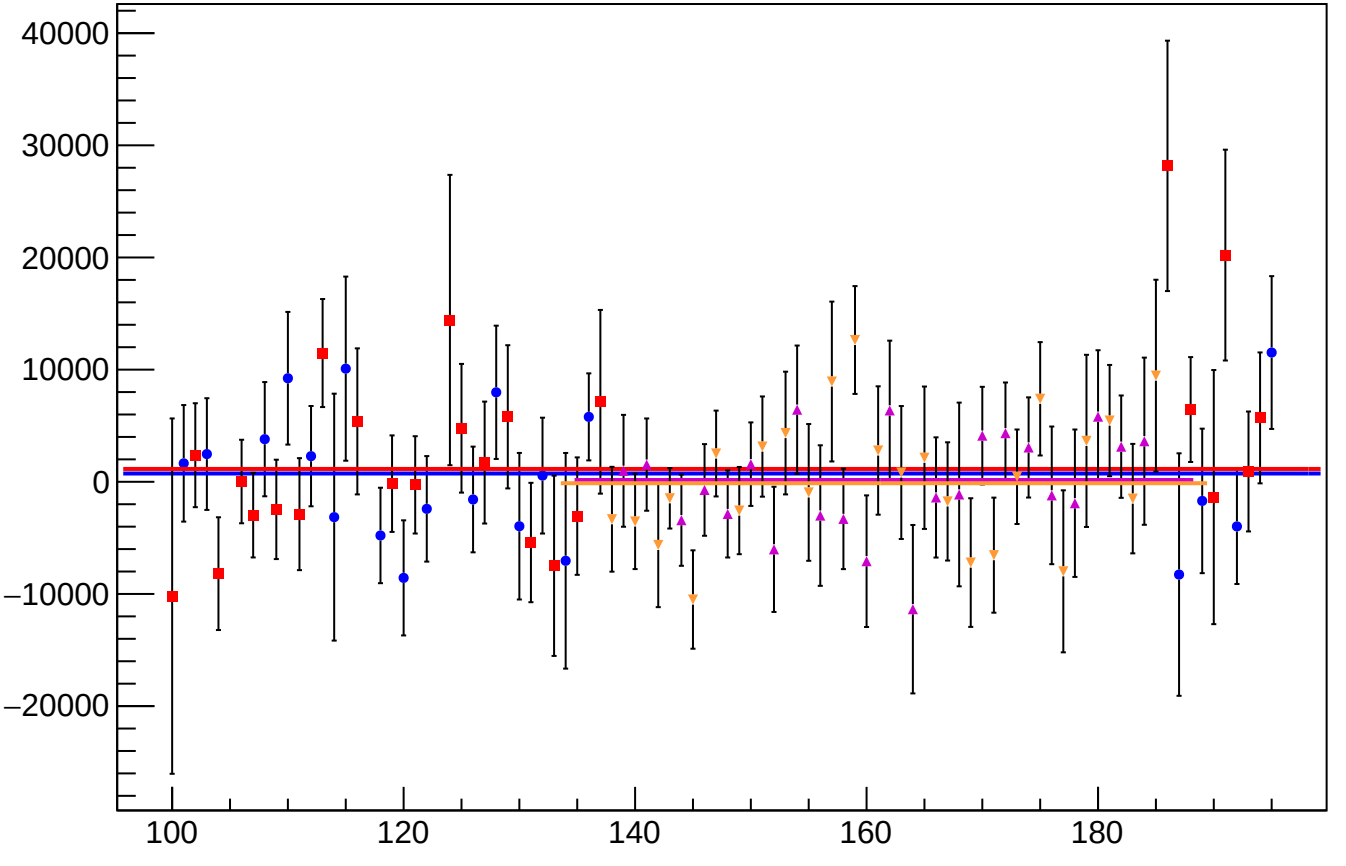
Right: 1304.617+/-0.206 χ^2/NDF: 872122.8/44

In: 1310.354+/-0.176 χ^2/NDF:555823.1/42

Out: 1296.260+/-0.168 χ^2/NDF:592559.8/49

All: 1302.991+/-0.121 χ^2/NDF: 1151748.7/92

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 738.910+/-1231.223 χ^2/NDF: 18.3/19

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

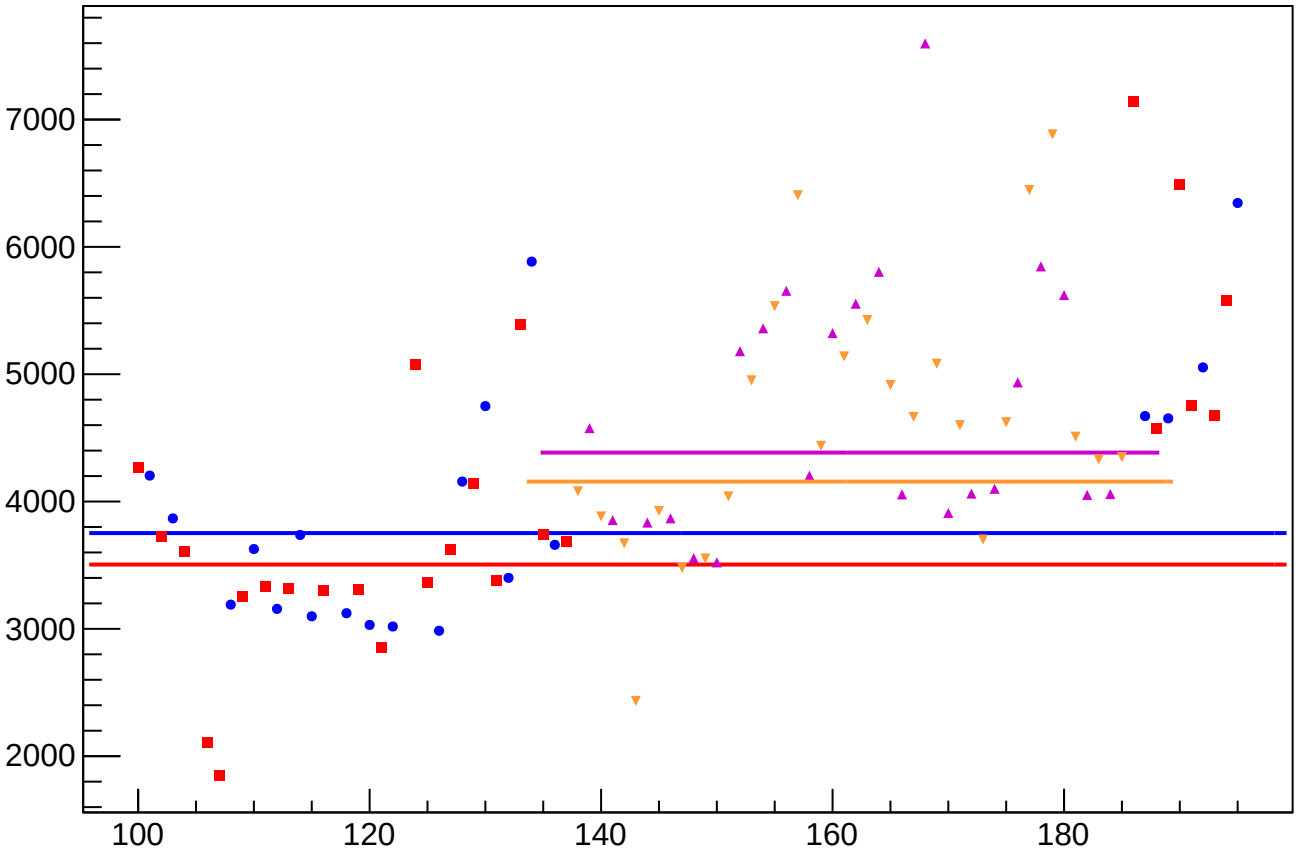
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 965.691+/-818.868 χ^2/NDF: 48.0/44

In: 402.228+/-796.945 χ^2/NDF:32.2/42

Out: 436.159+/-729.559 χ^2/NDF:58.9/49

All: 420.689+/-538.125 χ^2/NDF: 91.2/92



Right In: 3752.236+/-0.871 χ^2/NDF: 910800.7/19

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

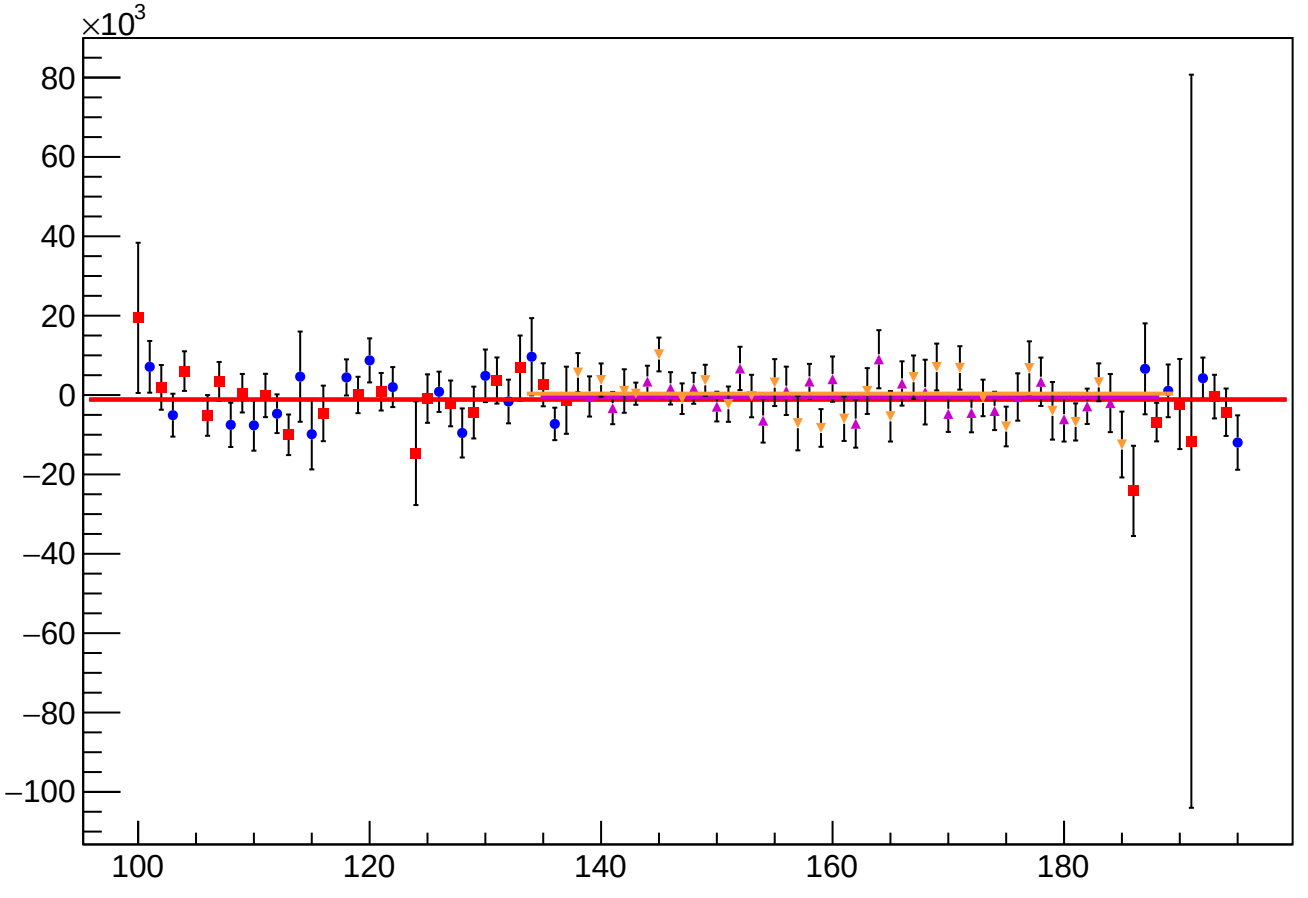
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3614.334+/-0.579 χ^2/NDF: 2702697.4/44

In: 4119.502+/-0.564 χ^2/NDF:2472554.8/42

Out: 3868.138+/-0.516 χ^2/NDF:4221325.7/49

All: 3982.745+/-0.381 χ^2/NDF: 6802129.5/92



Right In: -1147.735+/-1317.034 χ^2/NDF: 21.7/19

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1092.453+/-1213.237 χ^2/NDF: 17.9/24

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

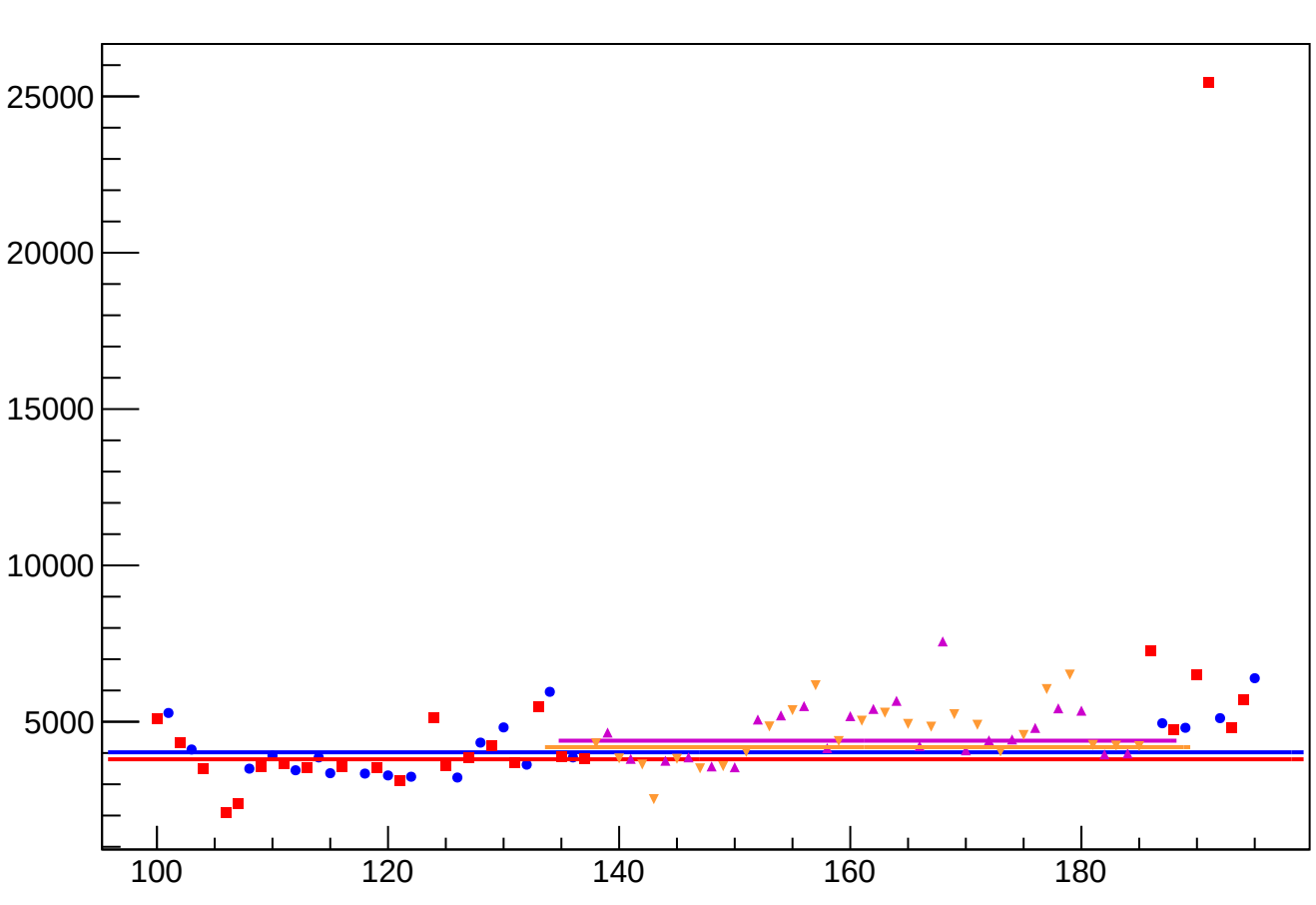
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1117.830+/-892.330 χ^2/NDF: 39.6/44

In: -748.638+/-818.476 χ^2/NDF:35.8/42

Out: -211.866+/-762.293 χ^2/NDF:46.4/49

All: -461.198+/-557.828 χ^2/NDF: 82.4/92



Right In: 4022.872+/-0.931 χ^2/NDF: 805994.9/19

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3799.745+/-0.848 χ^2/NDF: 1460671.5/24

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

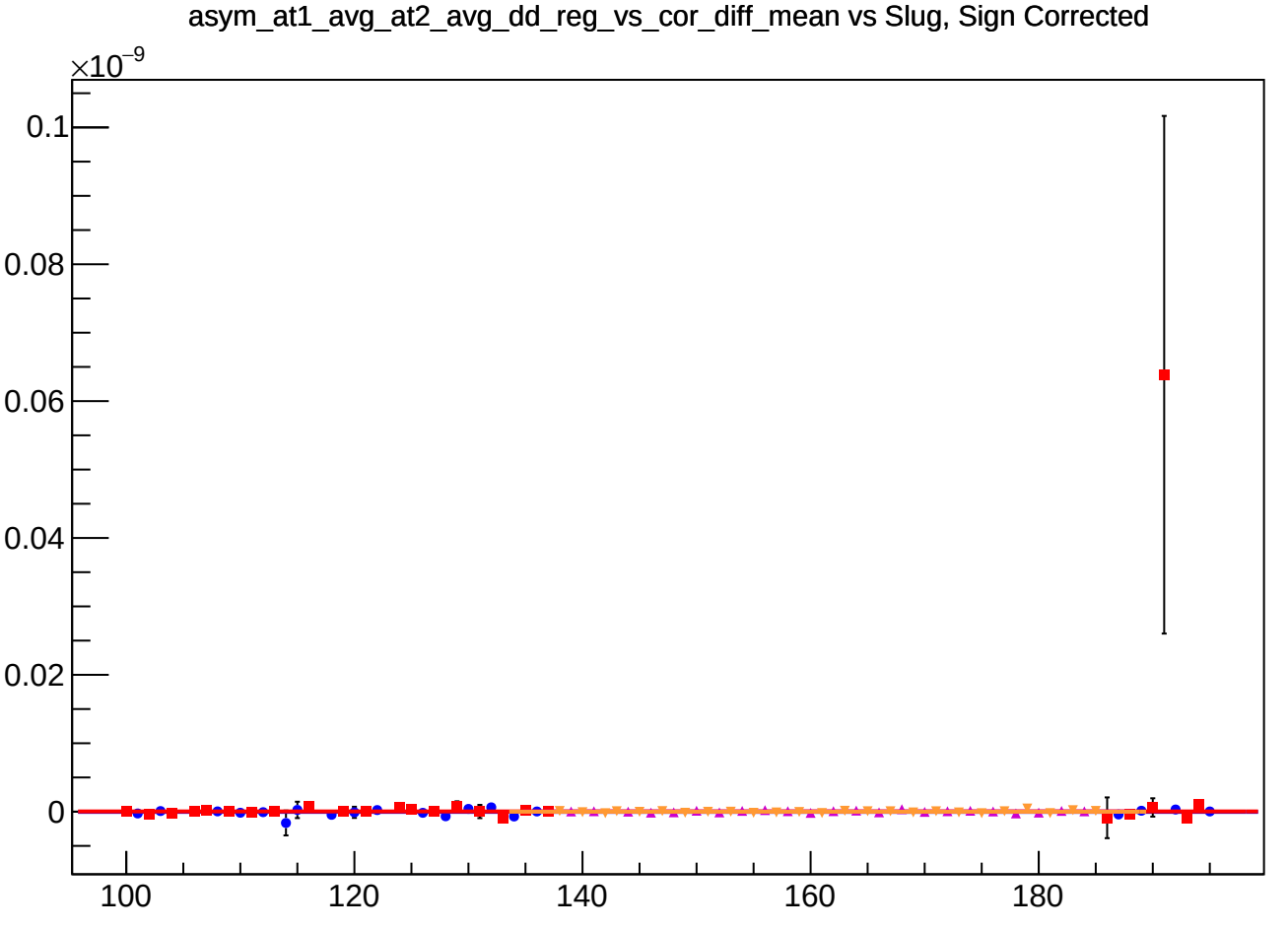
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 3900.915+/-0.627 χ^2/NDF: 2298042.6/44

In: 4250.866+/-0.579 χ^2/NDF:1992039.1/42

Out: 4032.524+/-0.537 χ^2/NDF:3382587.5/49

All: 4133.455+/-0.393 χ^2/NDF: 5451162.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

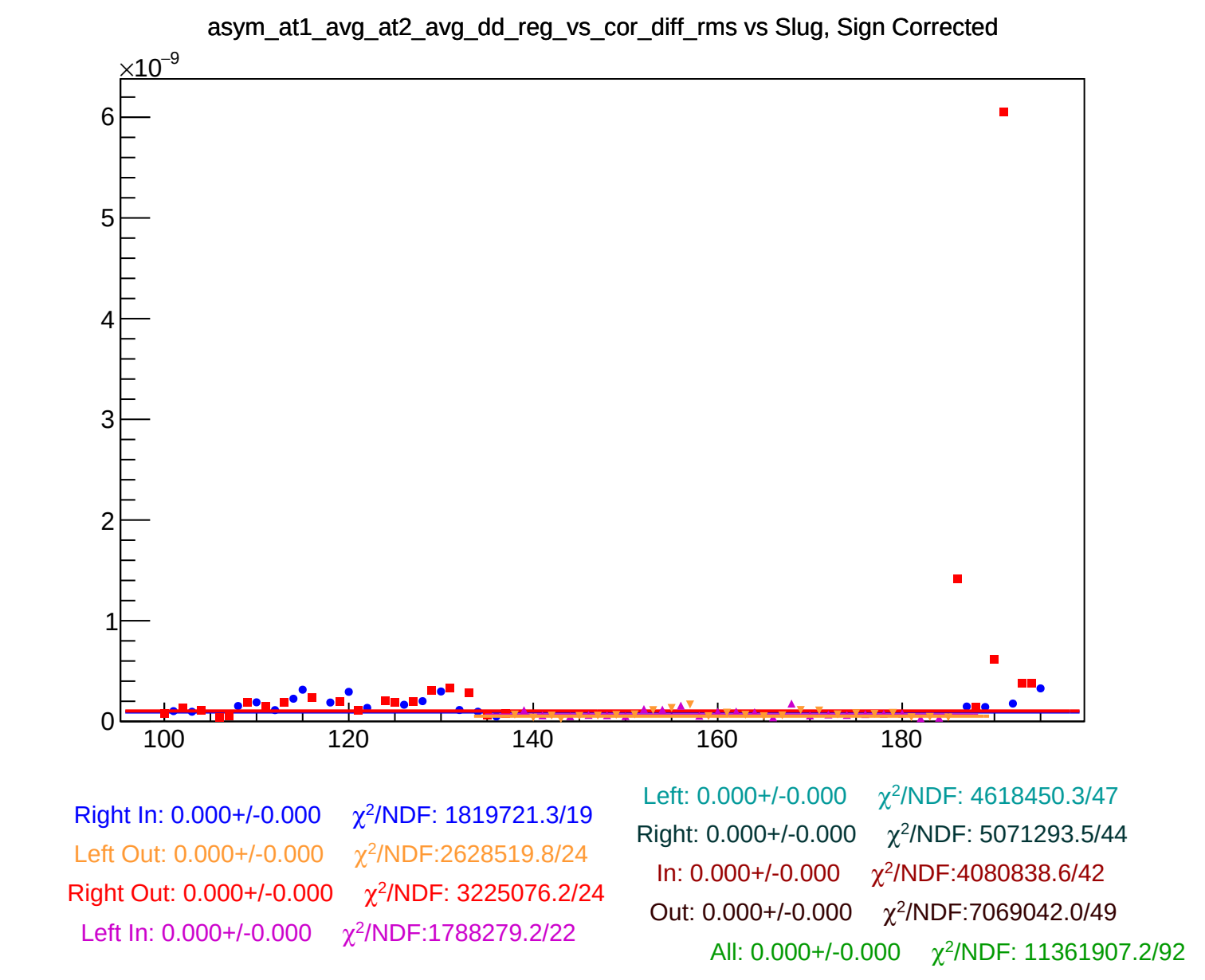
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 44.5/44

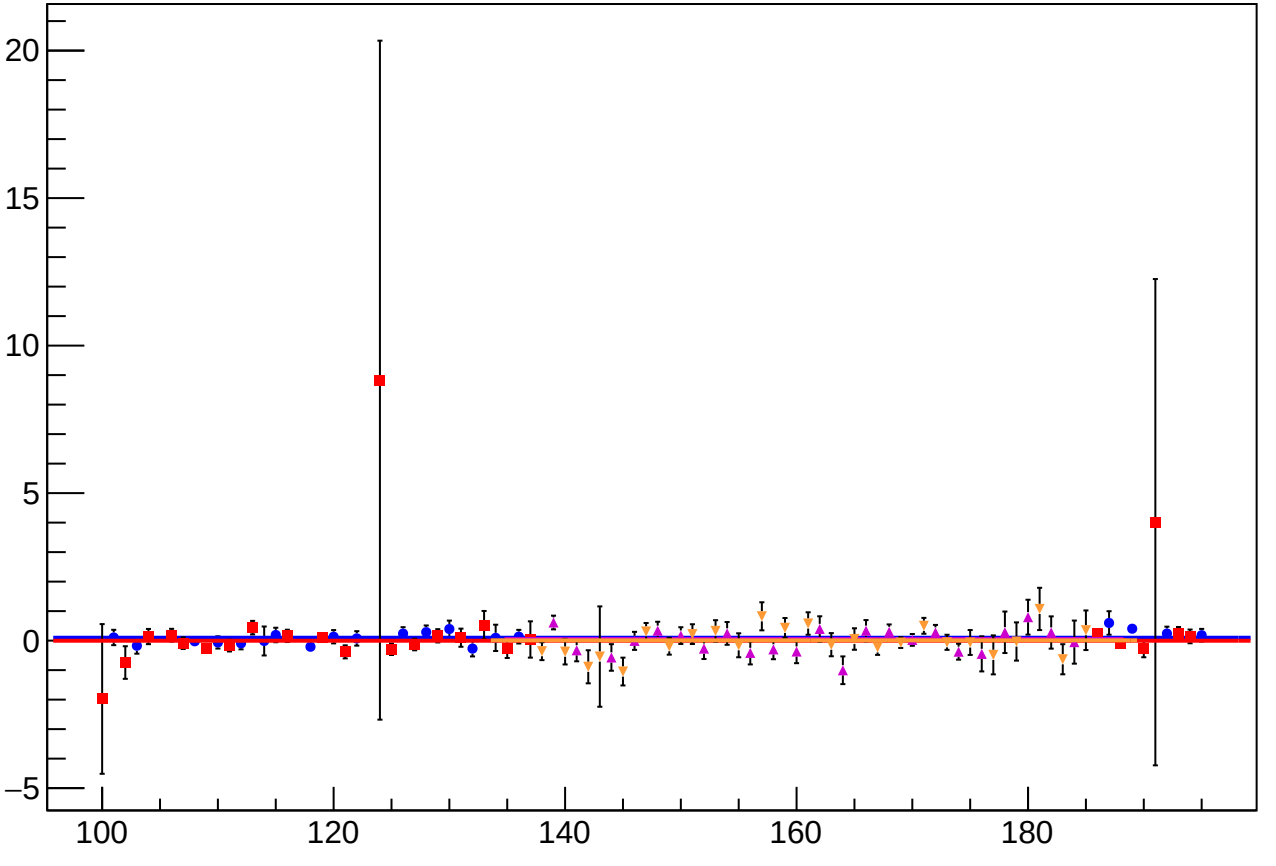
In: 0.000+/-0.000 χ^2/NDF:35.8/42

Out: 0.000+/-0.000 χ^2/NDF:56.6/49

All: 0.000+/-0.000 χ^2/NDF: 92.5/92


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1819721.3/19
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3225076.2/24
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: 5071293.5/44
In: 0.000+/-0.000 χ²/NDF:4080838.6/42
Out: 0.000+/-0.000 χ²/NDF:7069042.0/49
All: 0.000+/-0.000 χ²/NDF: 11361907.2/92

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

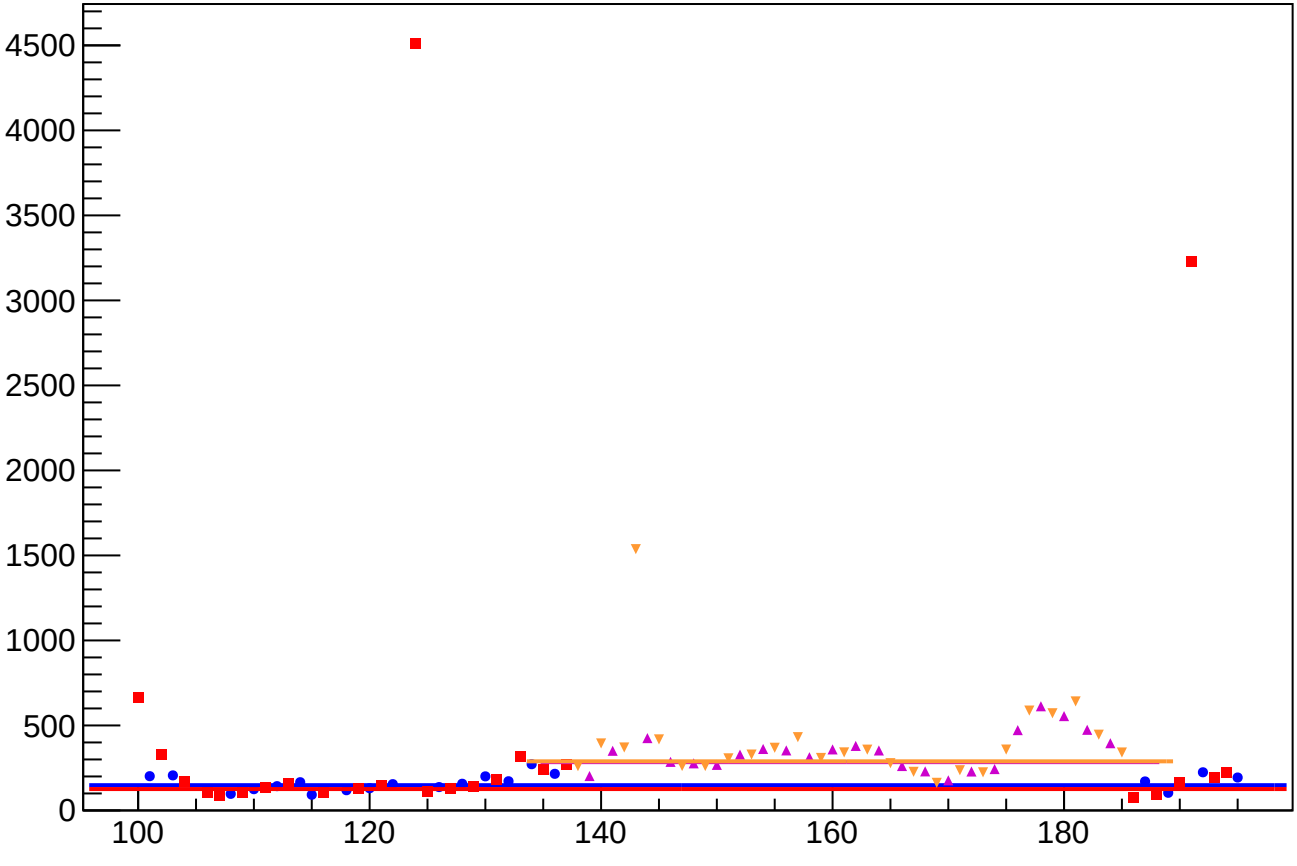
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

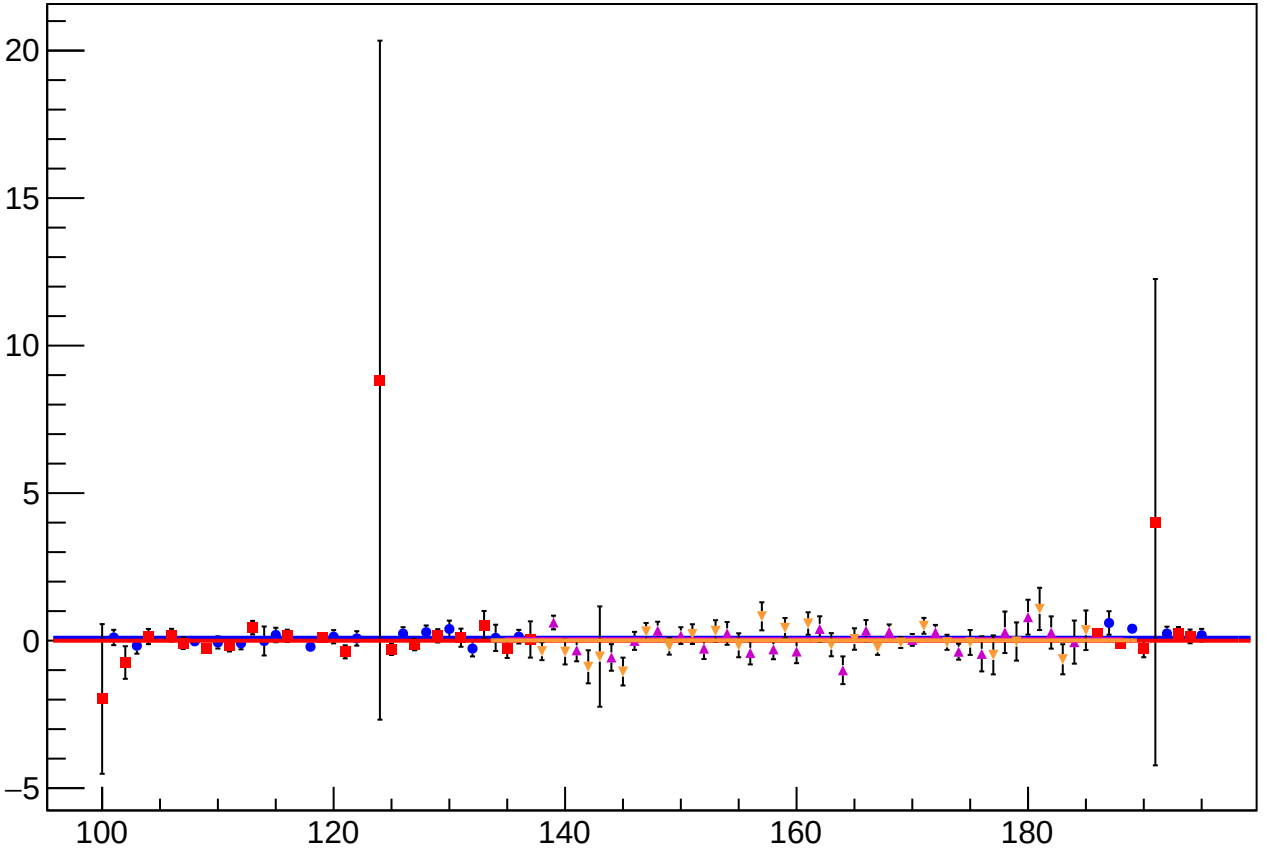
Right: 135.366+/-0.023 χ^2/NDF: 4758207.8/44

In: 194.864+/-0.029 χ^2/NDF:9439437.0/42

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

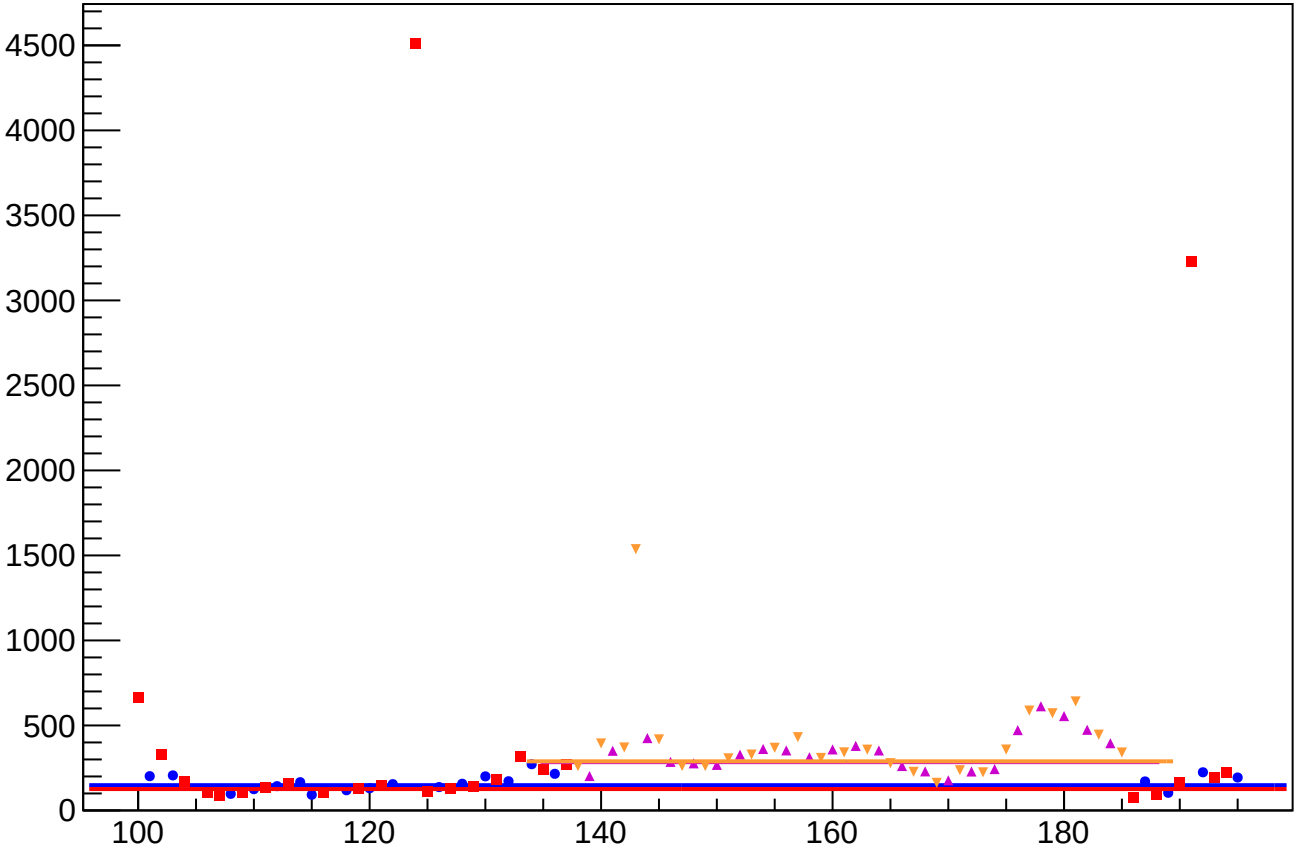
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

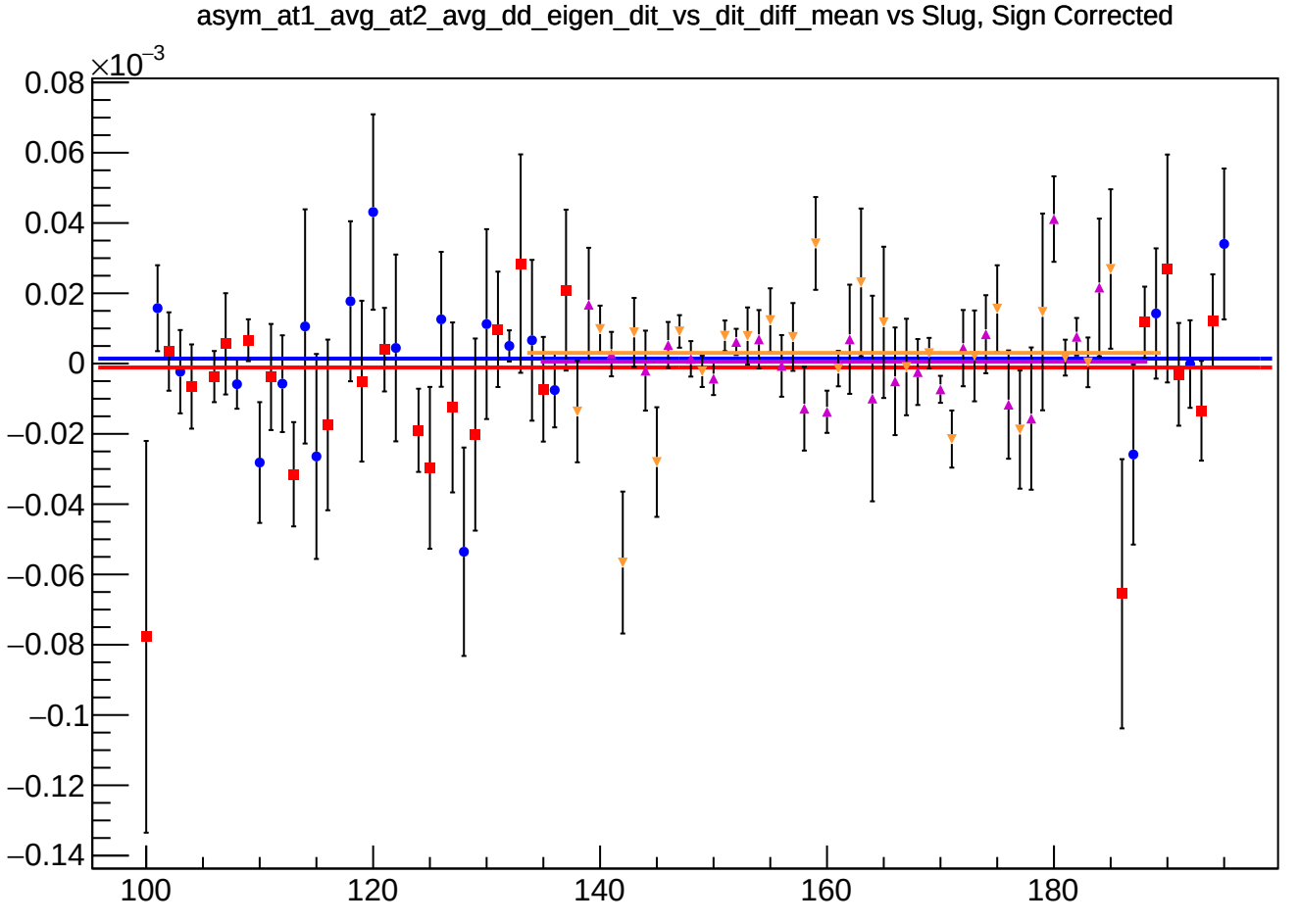
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 135.366+/-0.023 χ^2/NDF: 4758207.8/44

In: 194.864+/-0.029 χ^2/NDF:9439437.0/42

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

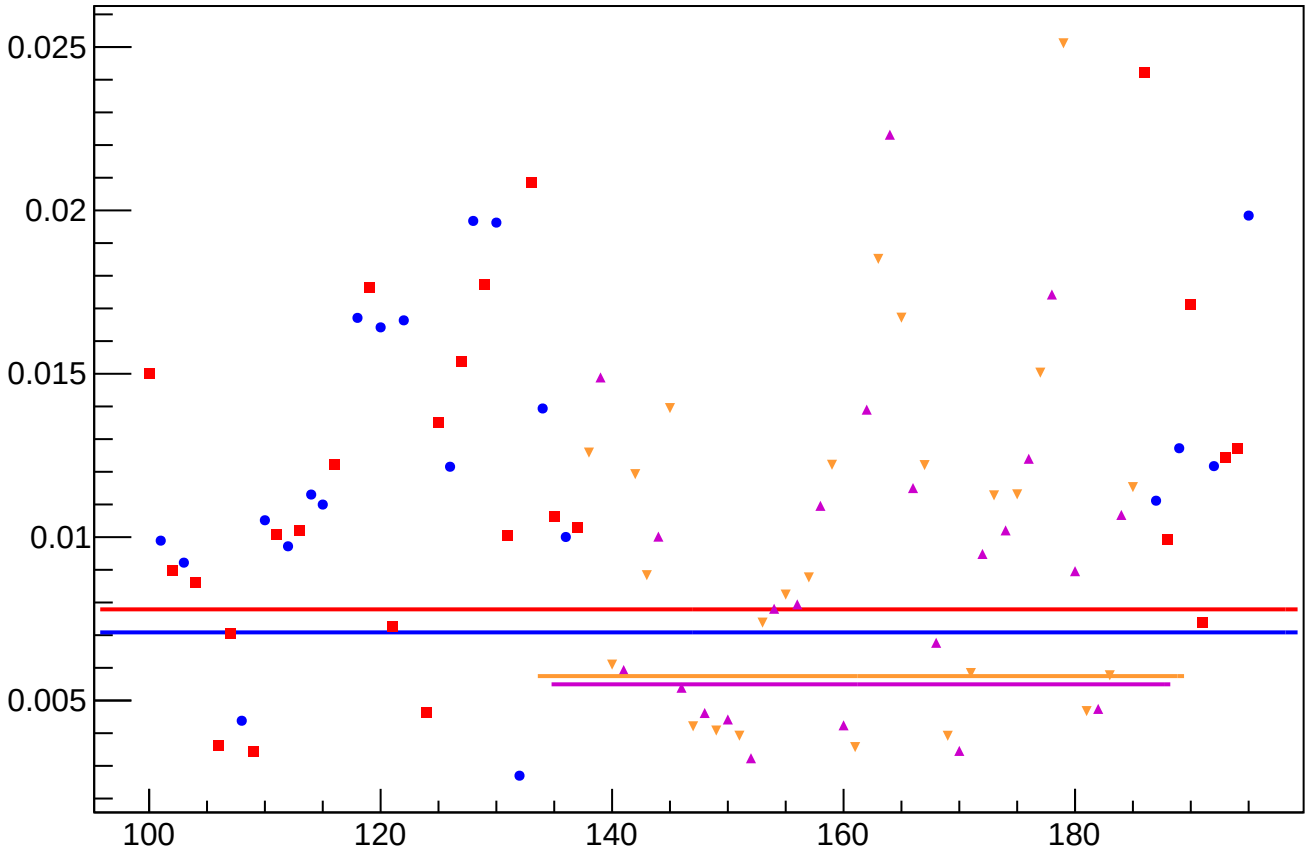
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 42.4/44

In: 0.000+/-0.000 χ^2/NDF:52.1/42

Out: 0.000+/-0.000 χ^2/NDF:67.1/49

All: 0.000+/-0.000 χ^2/NDF: 119.7/92



Right In: 0.007+/-0.000 χ^2/NDF: 6031592.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

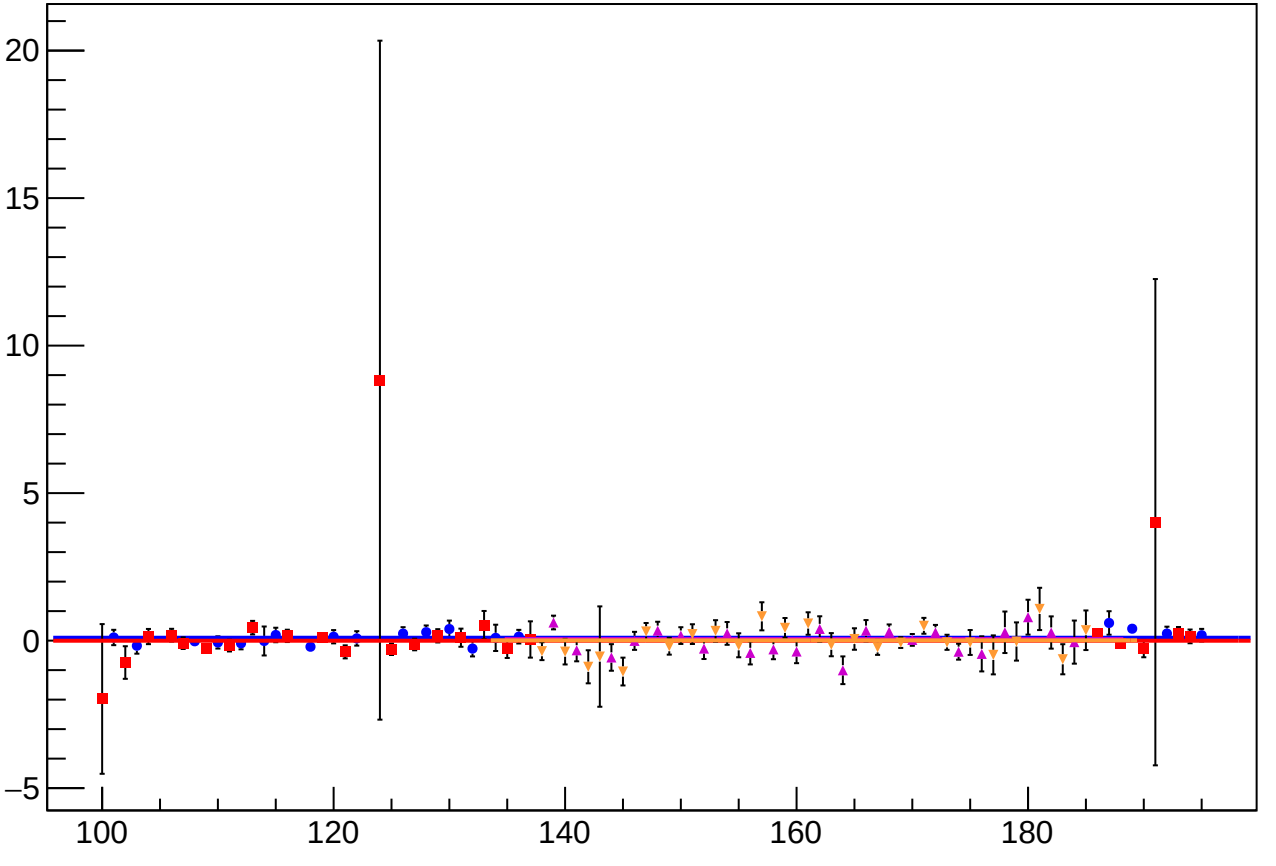
Right: 0.007+/-0.000 χ^2/NDF: 10768758.1/44

In: 0.006+/-0.000 χ^2/NDF:13474040.4/42

Out: 0.006+/-0.000 χ^2/NDF:13665984.3/49

All: 0.006+/-0.000 χ^2/NDF: 27220884.6/92

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

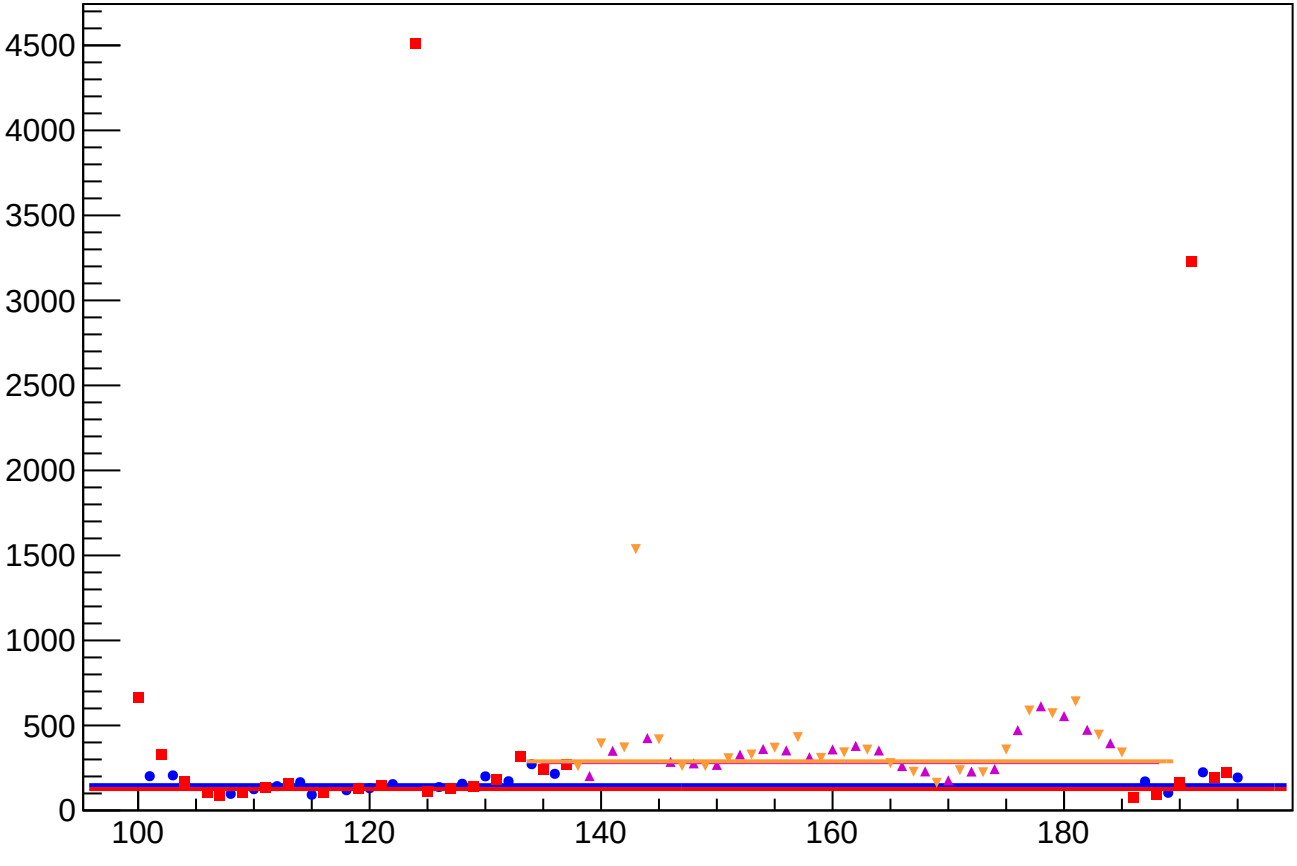
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

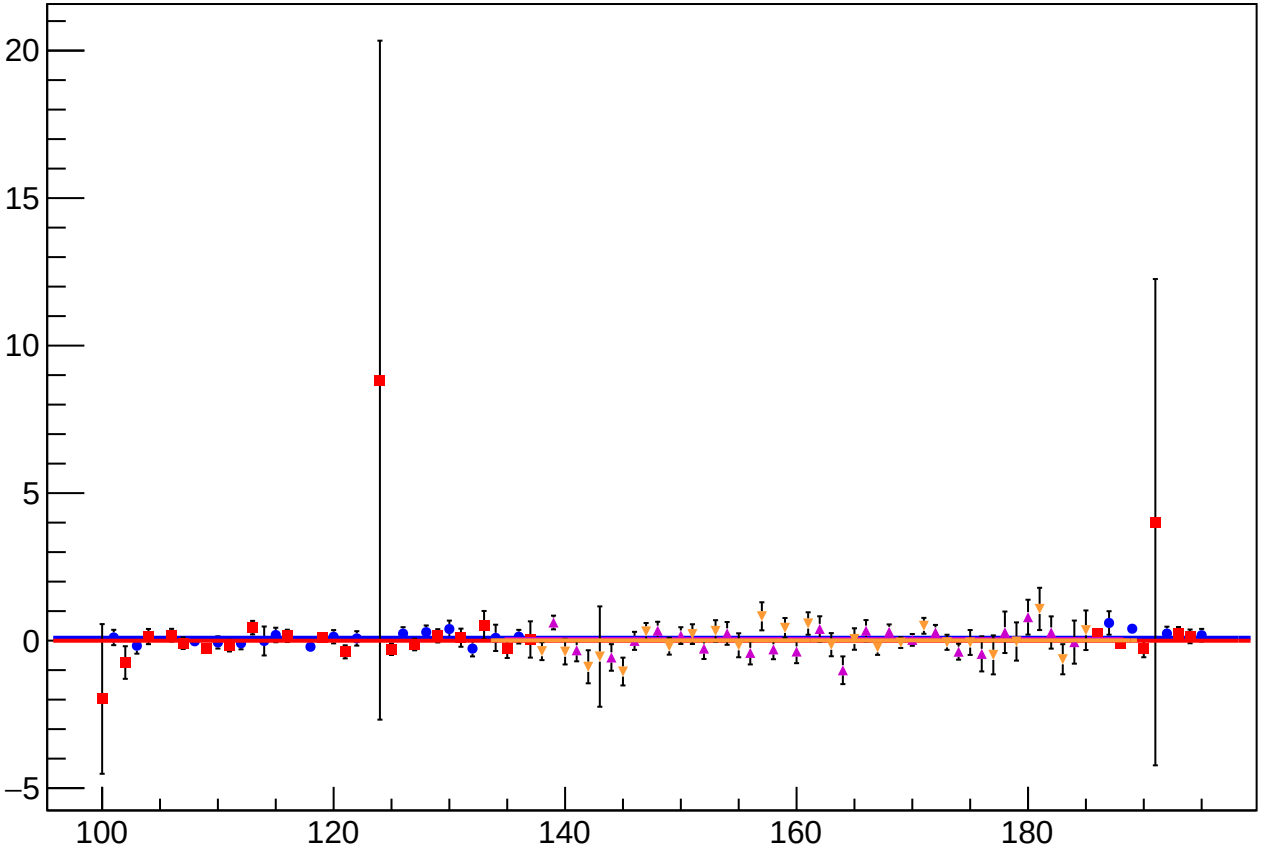
Right: 135.367+/-0.023 χ^2/NDF: 4757975.3/44

In: 194.864+/-0.029 χ^2/NDF:9439631.3/42

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

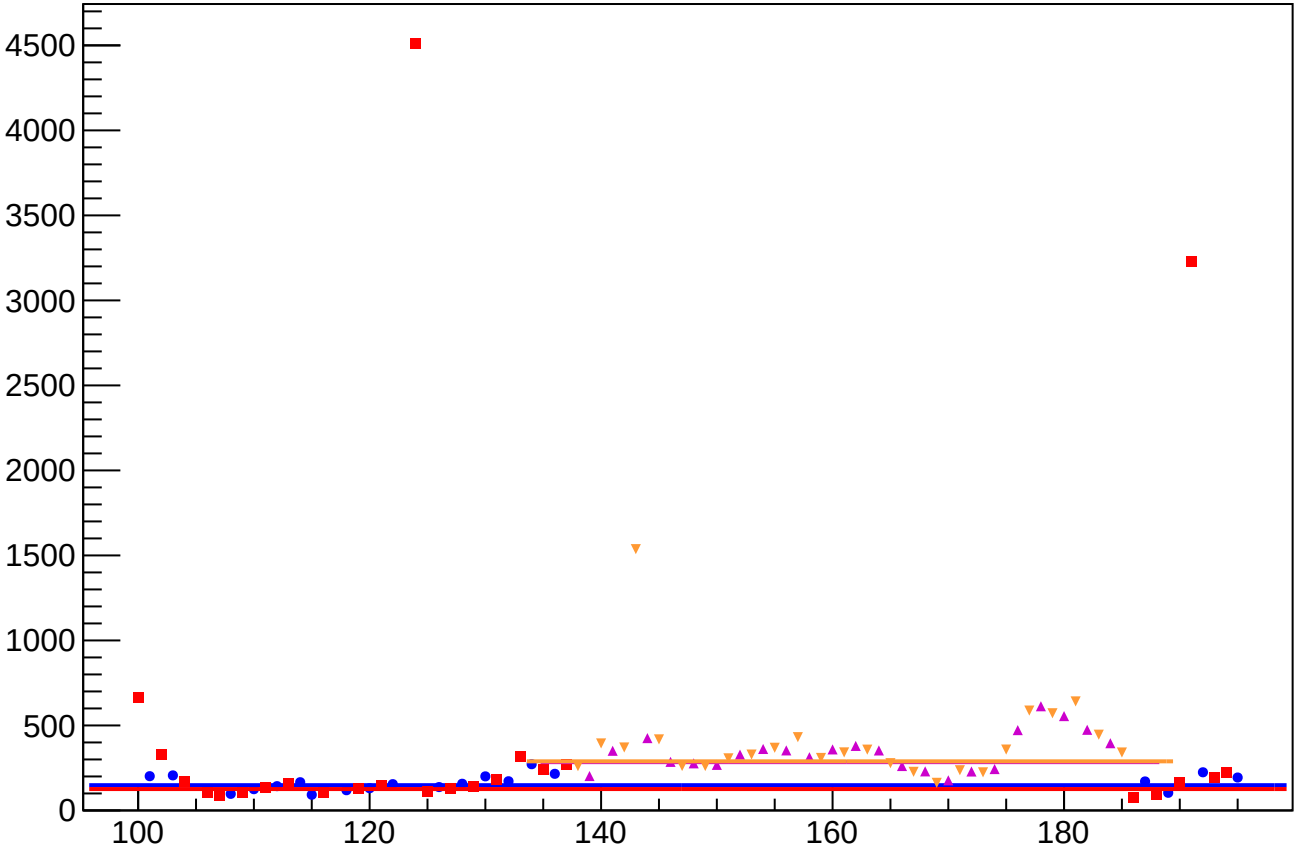
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

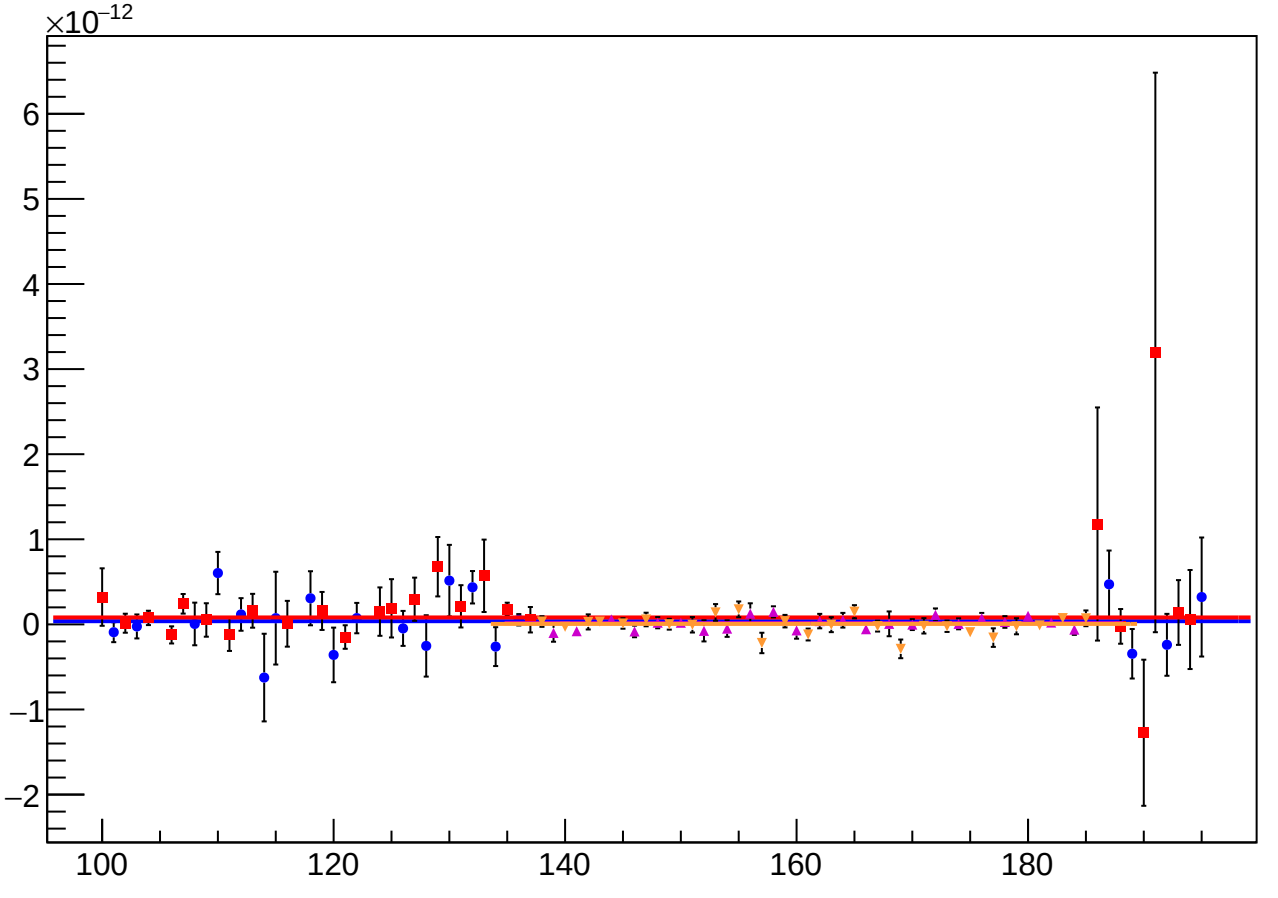
Right: 135.367+/-0.023 χ^2/NDF: 4757975.3/44

In: 194.864+/-0.029 χ^2/NDF:9439631.3/42

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92

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: 22.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/24

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

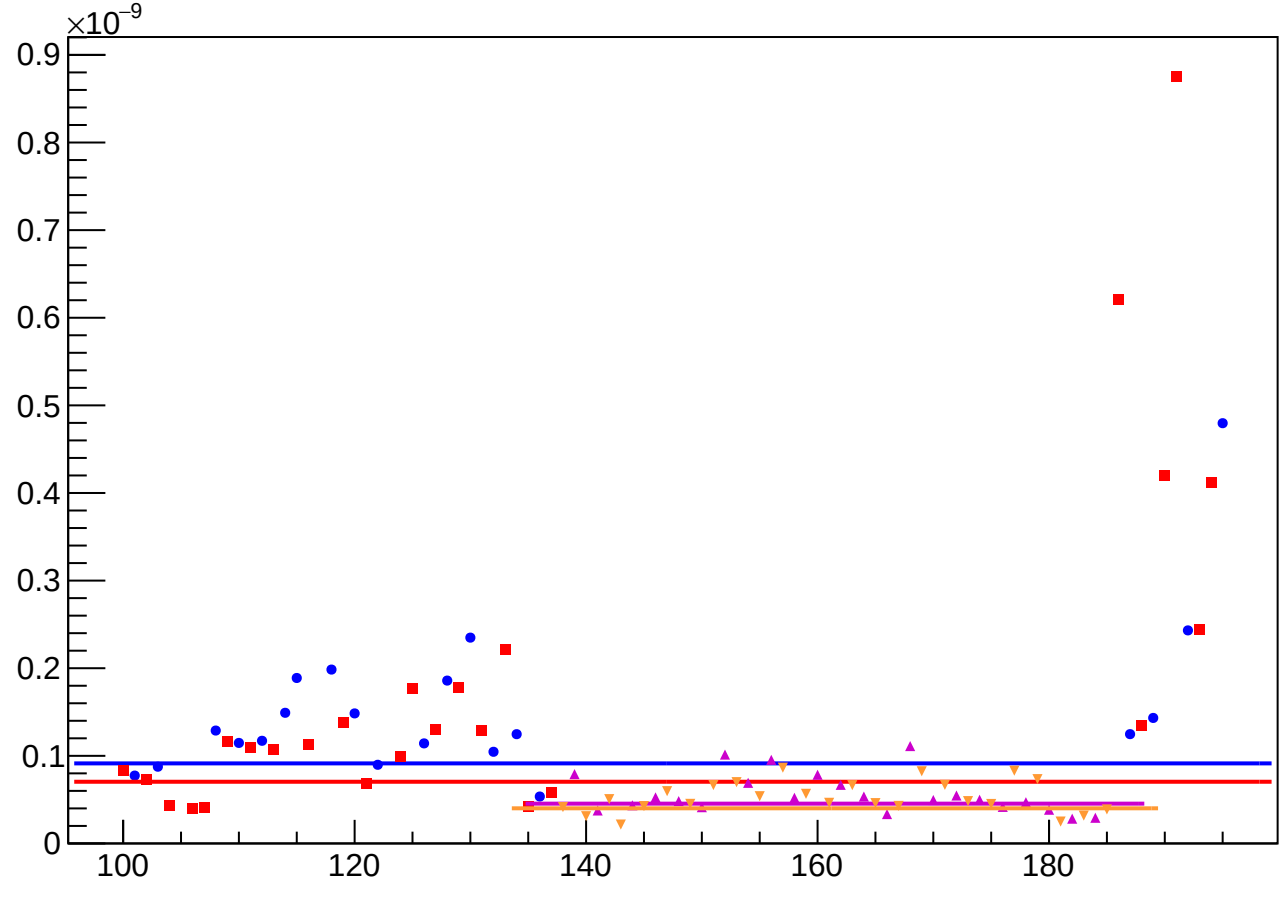
Right: 0.000+/-0.000 χ^2/NDF: 45.9/44

In: 0.000+/-0.000 χ^2/NDF:46.2/42

Out: 0.000+/-0.000 χ^2/NDF:61.2/49

All: 0.000+/-0.000 χ^2/NDF: 107.4/92

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2636191.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4282007.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

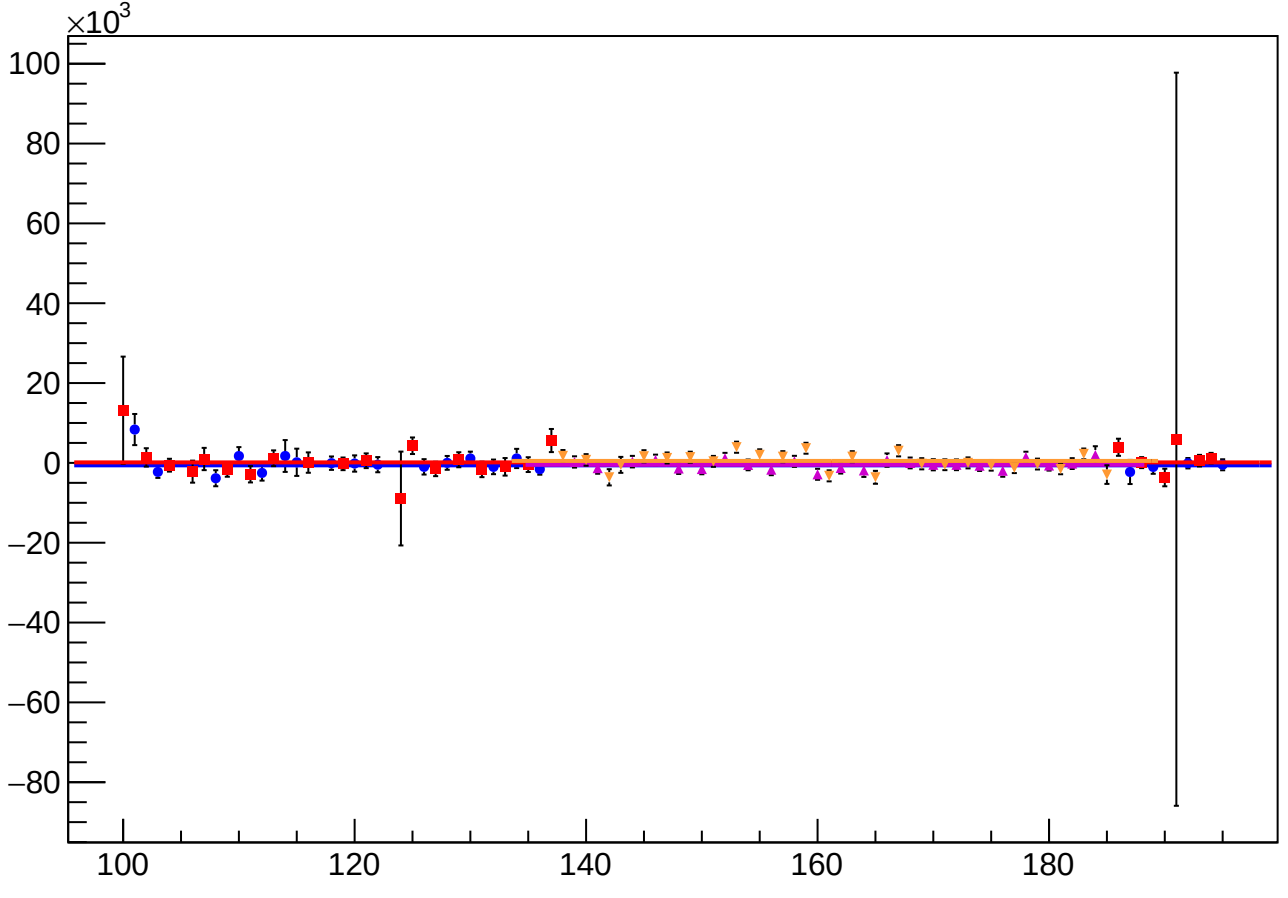
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7225102.3/44

In: 0.000+/-0.000 χ^2/NDF:7612218.6/42

Out: 0.000+/-0.000 χ^2/NDF:9333664.0/49

All: 0.000+/-0.000 χ^2/NDF: 17199676.8/92



Right In: -614.675+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 122.782+/-402.054 χ^2/NDF: 22.8/24

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

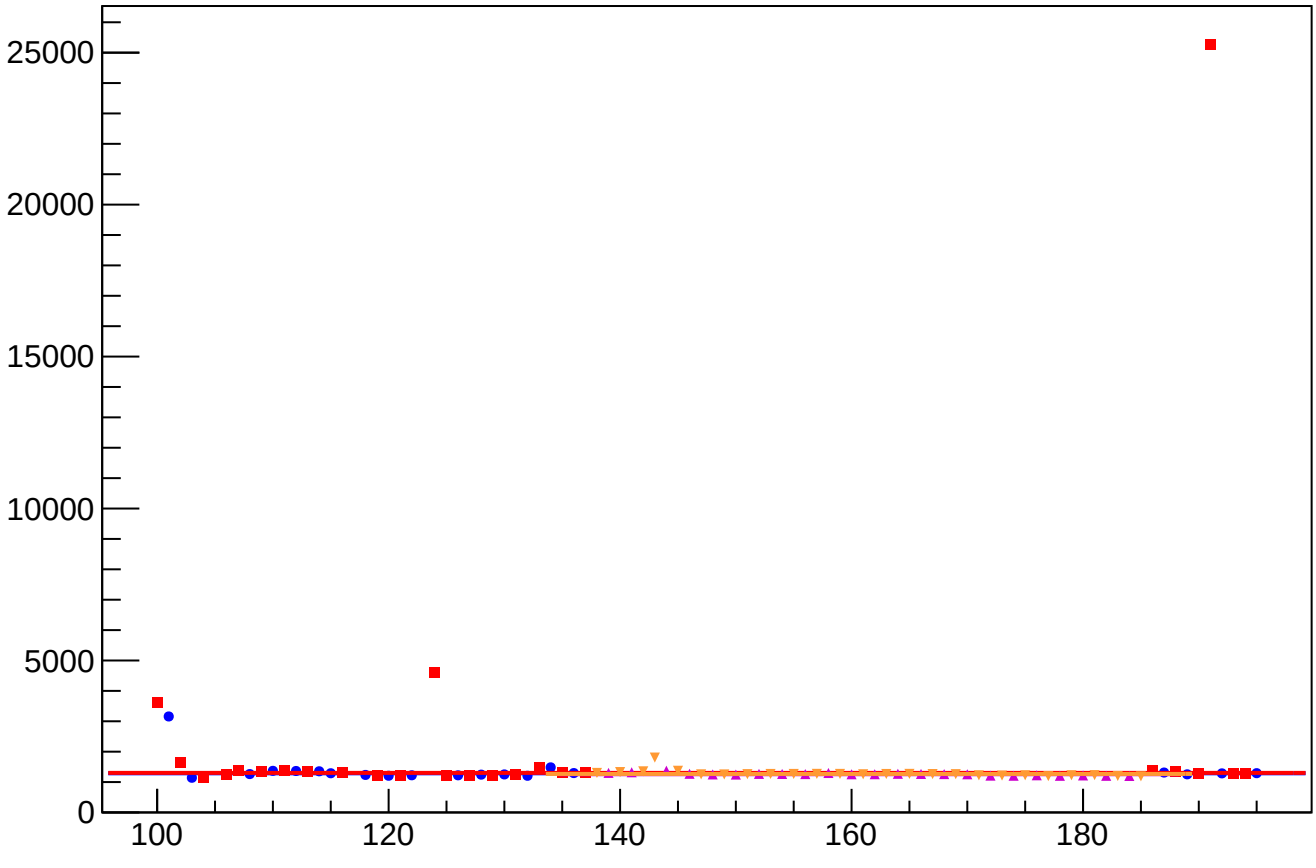
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -232.381+/-289.477 χ^2/NDF: 38.9/44

In: -529.211+/-240.182 χ^2/NDF:28.9/42

Out: 366.551+/-234.395 χ^2/NDF:70.3/49

All: -70.409+/-167.751 χ^2/NDF: 106.3/92



Right In: 1287.759+/-0.295 χ^2/NDF: 515618.9/19

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

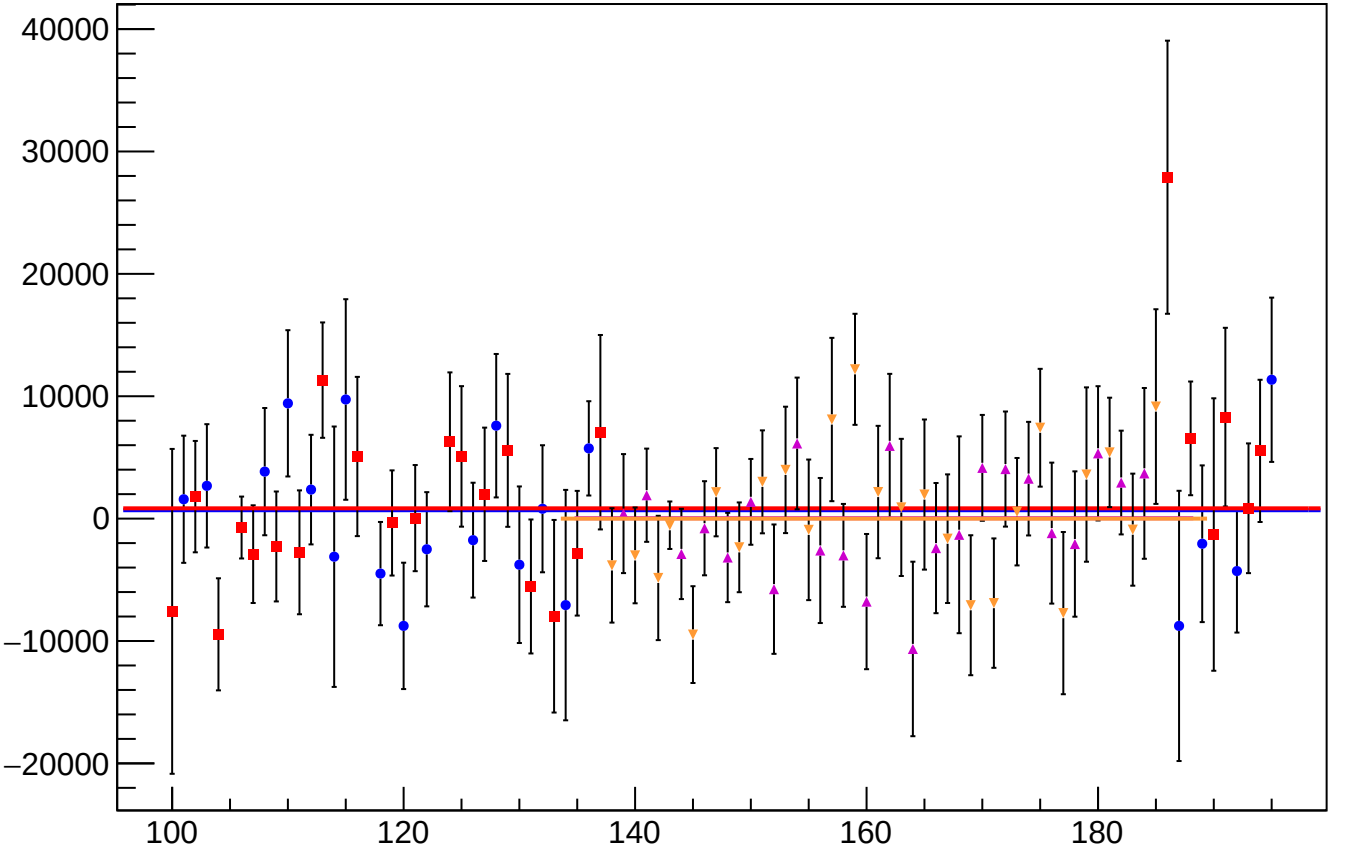
Right: 1295.194+/-0.205 χ^2/NDF: 982333.7/44

In: 1267.567+/-0.170 χ^2/NDF:559446.7/42

Out: 1278.929+/-0.166 χ^2/NDF:663128.1/49

All: 1273.390+/-0.119 χ^2/NDF: 1224868.4/92

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 686.766+/-1227.454 χ^2/NDF: 18.5/19

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

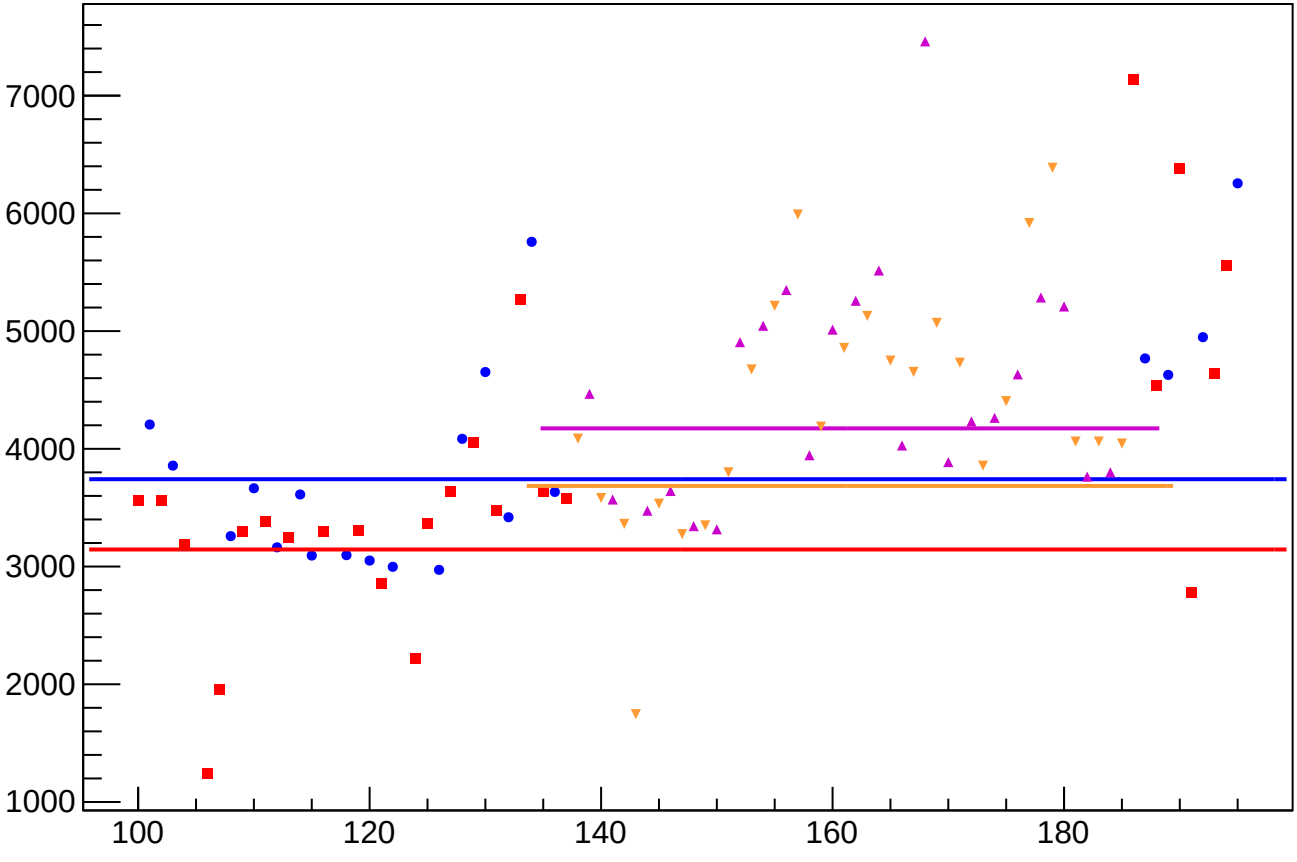
Right: 777.907+/-785.623 χ^2/NDF: 46.7/44

In: 291.504+/-773.107 χ^2/NDF:32.7/42

Out: 360.605+/-669.804 χ^2/NDF:57.6/49

All: 330.976+/-506.235 χ^2/NDF: 90.3/92

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3741.990+/-0.868 χ^2/NDF: 867873.6/19

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

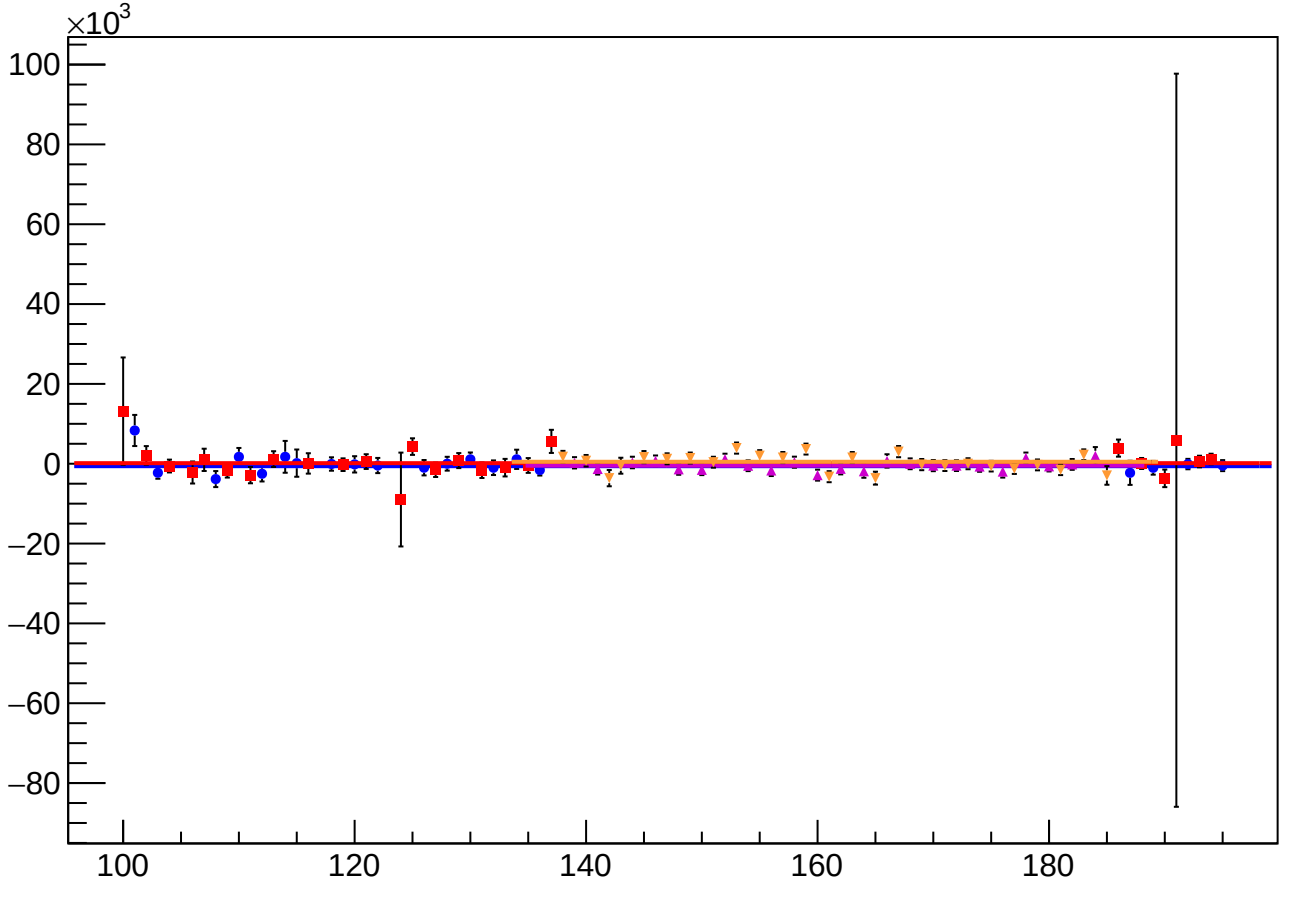
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3389.543+/-0.556 χ^2/NDF: 3904337.9/44

In: 4002.351+/-0.547 χ^2/NDF:2291998.8/42

Out: 3453.134+/-0.474 χ^2/NDF:6769004.2/49

All: 3688.623+/-0.358 χ^2/NDF: 9637569.5/92



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

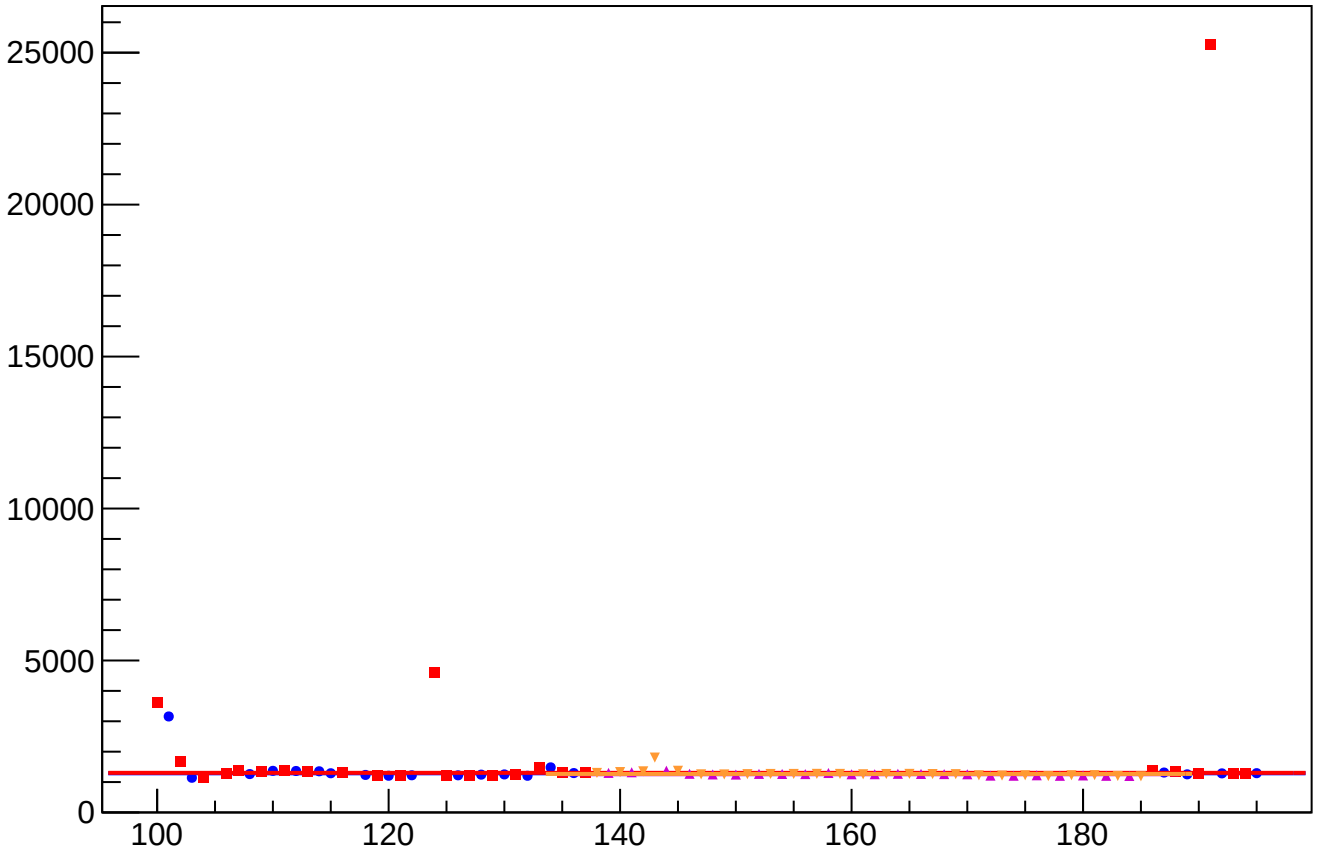
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -222.383+/-289.545 χ^2/NDF: 39.4/44

In: -529.234+/-240.182 χ^2/NDF:28.9/42

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -66.988+/-167.764 χ^2/NDF: 106.8/92



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

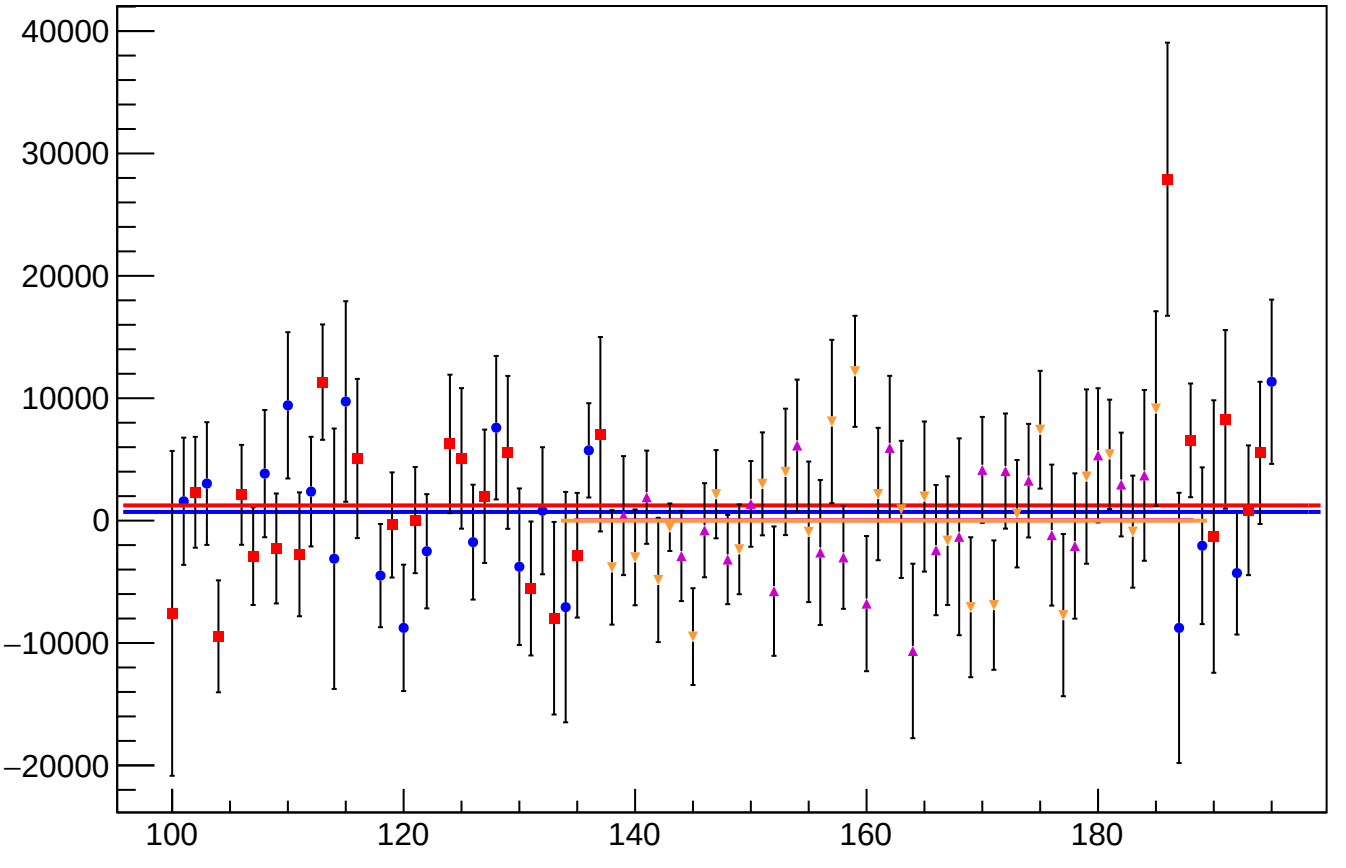
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1295.906+/-0.205 χ^2/NDF: 989008.6/44

In: 1267.567+/-0.170 χ^2/NDF:559448.0/42

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

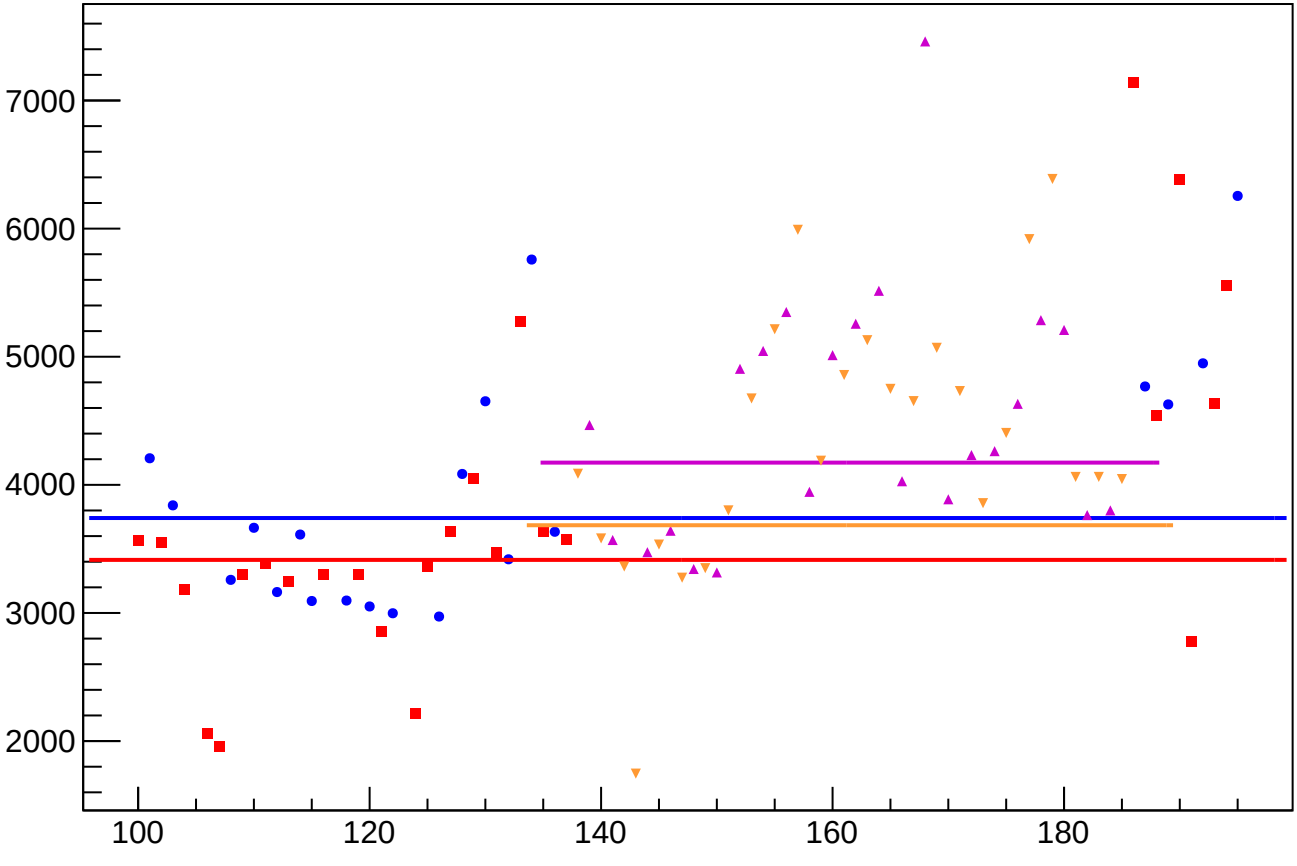
Right: 1010.343+/-809.802 χ^2/NDF: 46.5/44

In: 300.403+/-773.016 χ^2/NDF:32.7/42

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 412.917+/-512.533 χ^2/NDF: 90.5/92

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

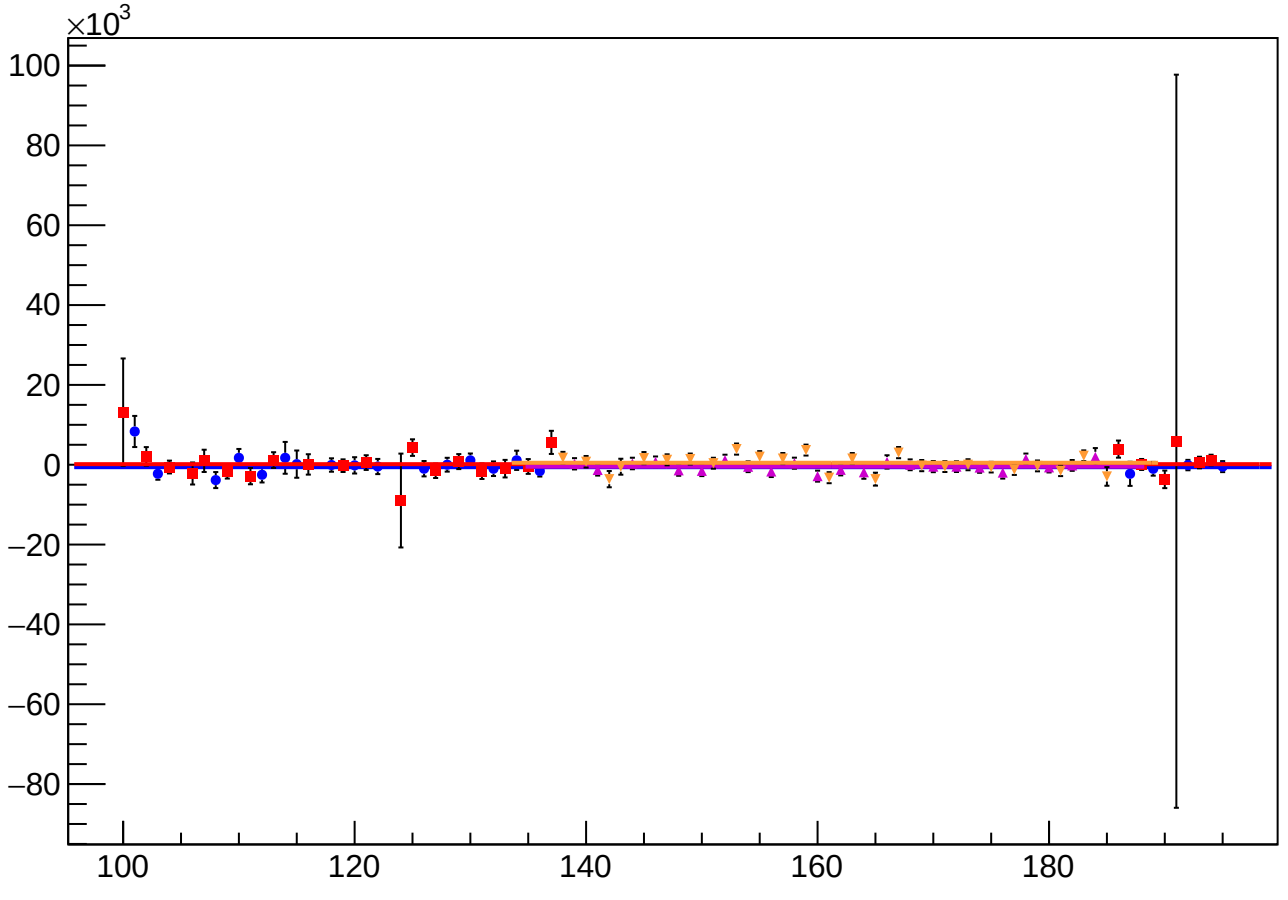
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3556.594+/-0.573 χ^2/NDF: 2587509.0/44

In: 4001.921+/-0.547 χ^2/NDF:2292473.4/42

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92



Right In: -614.948+/-417.128 χ^2/NDF: 14.4/19

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 142.652+/-402.235 χ^2/NDF: 23.2/24

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

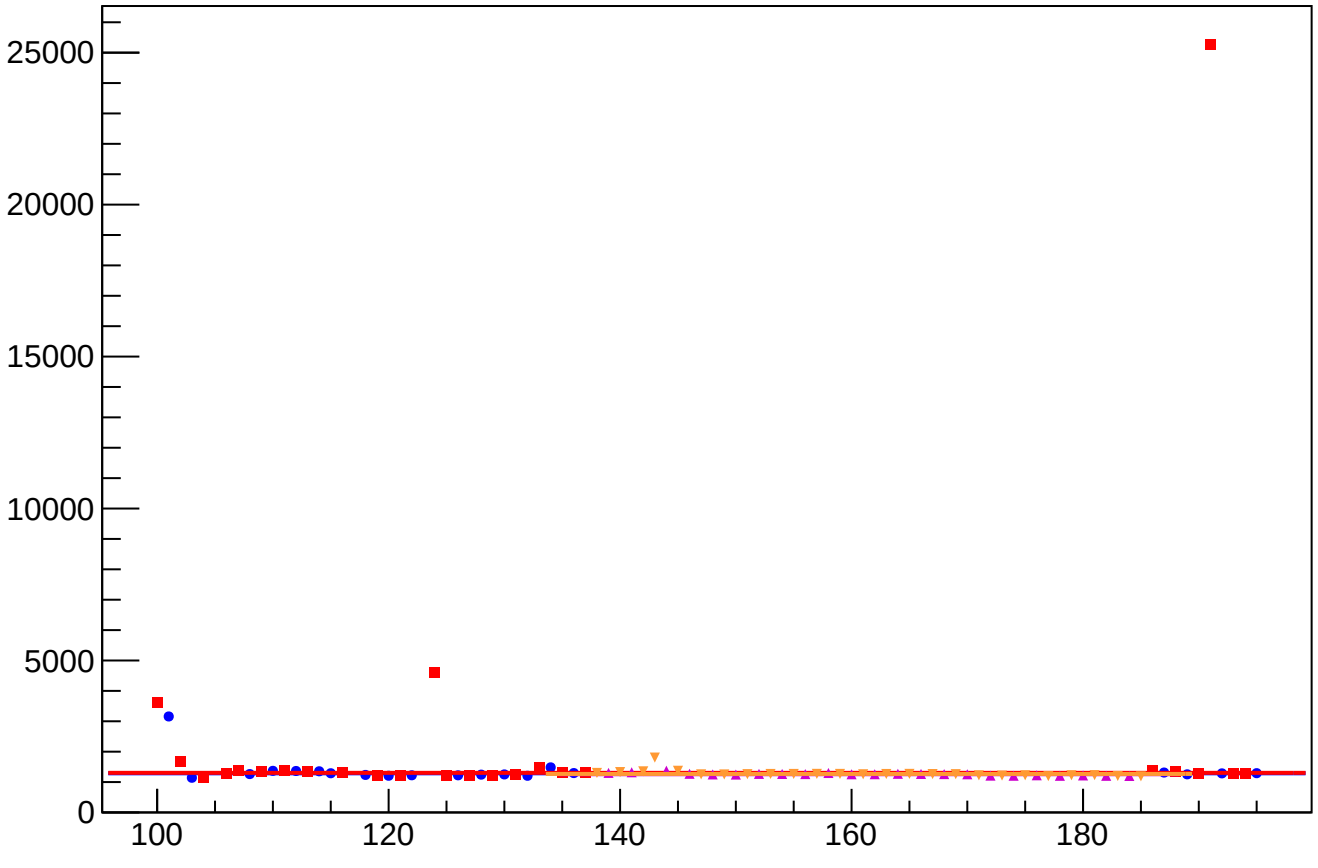
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -222.383+/-289.545 χ^2/NDF: 39.4/44

In: -529.234+/-240.182 χ^2/NDF:28.9/42

Out: 373.385+/-234.431 χ^2/NDF:70.6/49

All: -66.988+/-167.764 χ^2/NDF: 106.8/92



Right In: 1287.759+/-0.295 χ^2/NDF: 515620.4/19

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

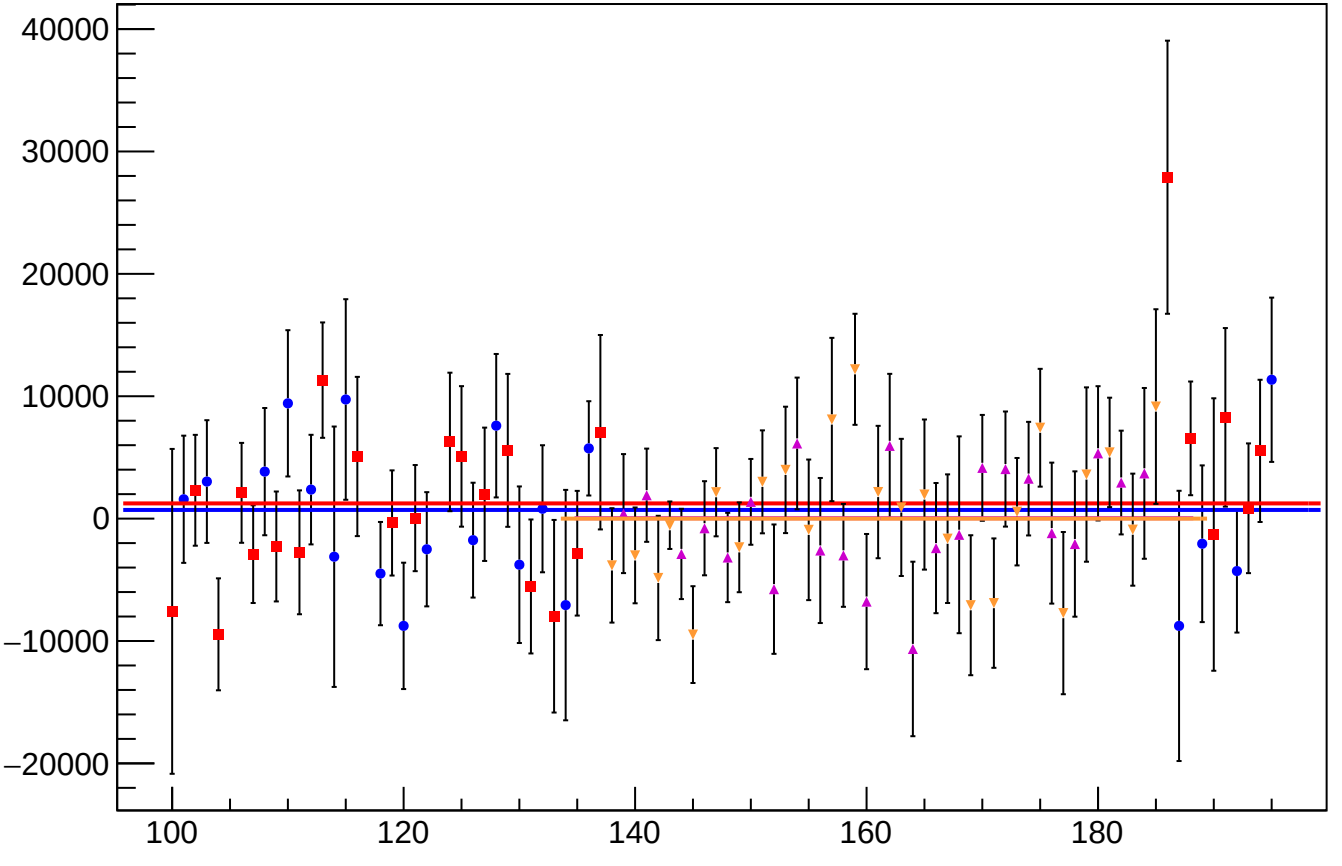
Right: 1295.906+/-0.205 χ^2/NDF: 989008.6/44

In: 1267.567+/-0.170 χ^2/NDF:559448.0/42

Out: 1279.385+/-0.166 χ^2/NDF:670352.9/49

All: 1273.621+/-0.119 χ^2/NDF: 1232281.8/92

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 708.951+/-1227.092 χ^2/NDF: 18.5/19

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

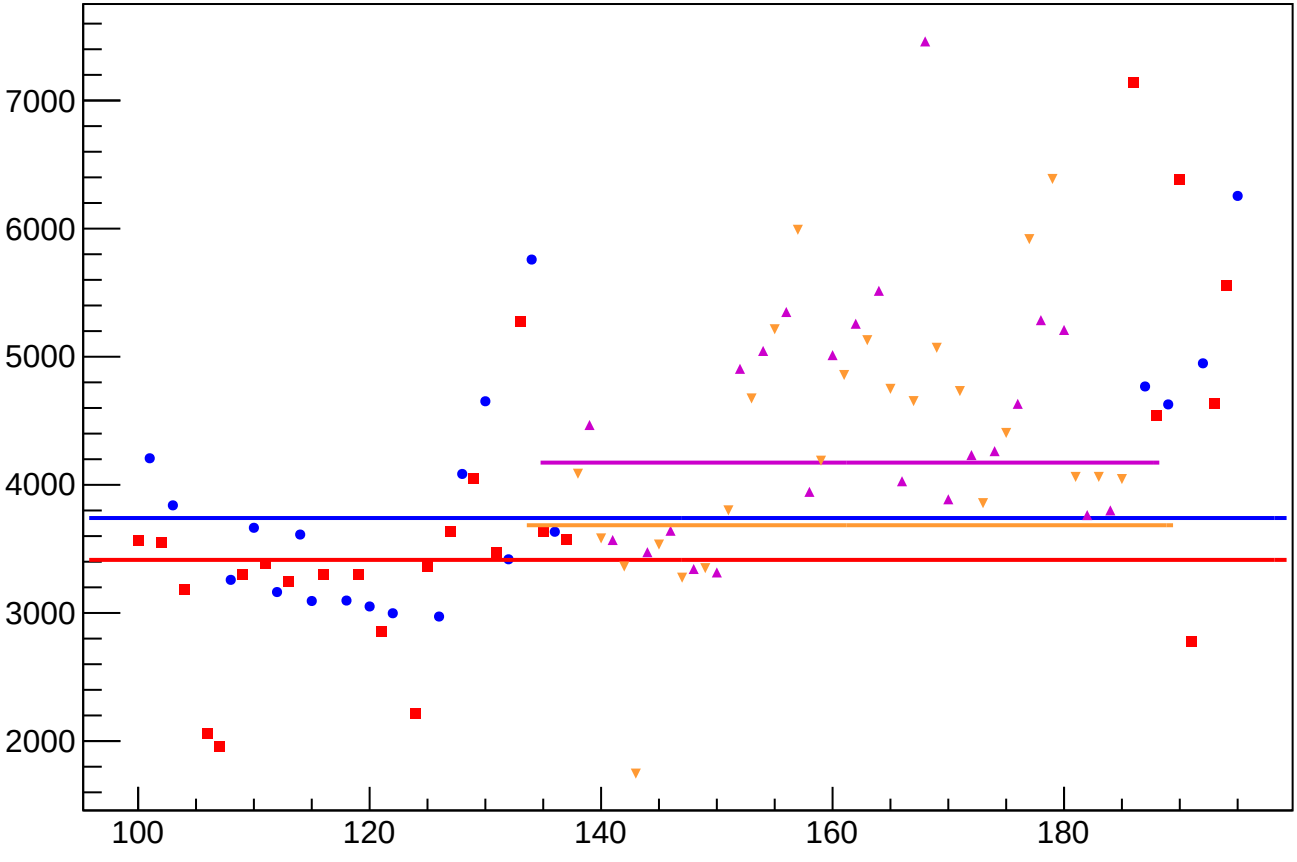
Right: 1010.343+/-809.802 χ^2/NDF: 46.5/44

In: 300.403+/-773.016 χ^2/NDF:32.7/42

Out: 501.181+/-684.662 χ^2/NDF:57.7/49

All: 412.917+/-512.533 χ^2/NDF: 90.5/92

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3741.069+/-0.868 χ^2/NDF: 867662.3/19

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

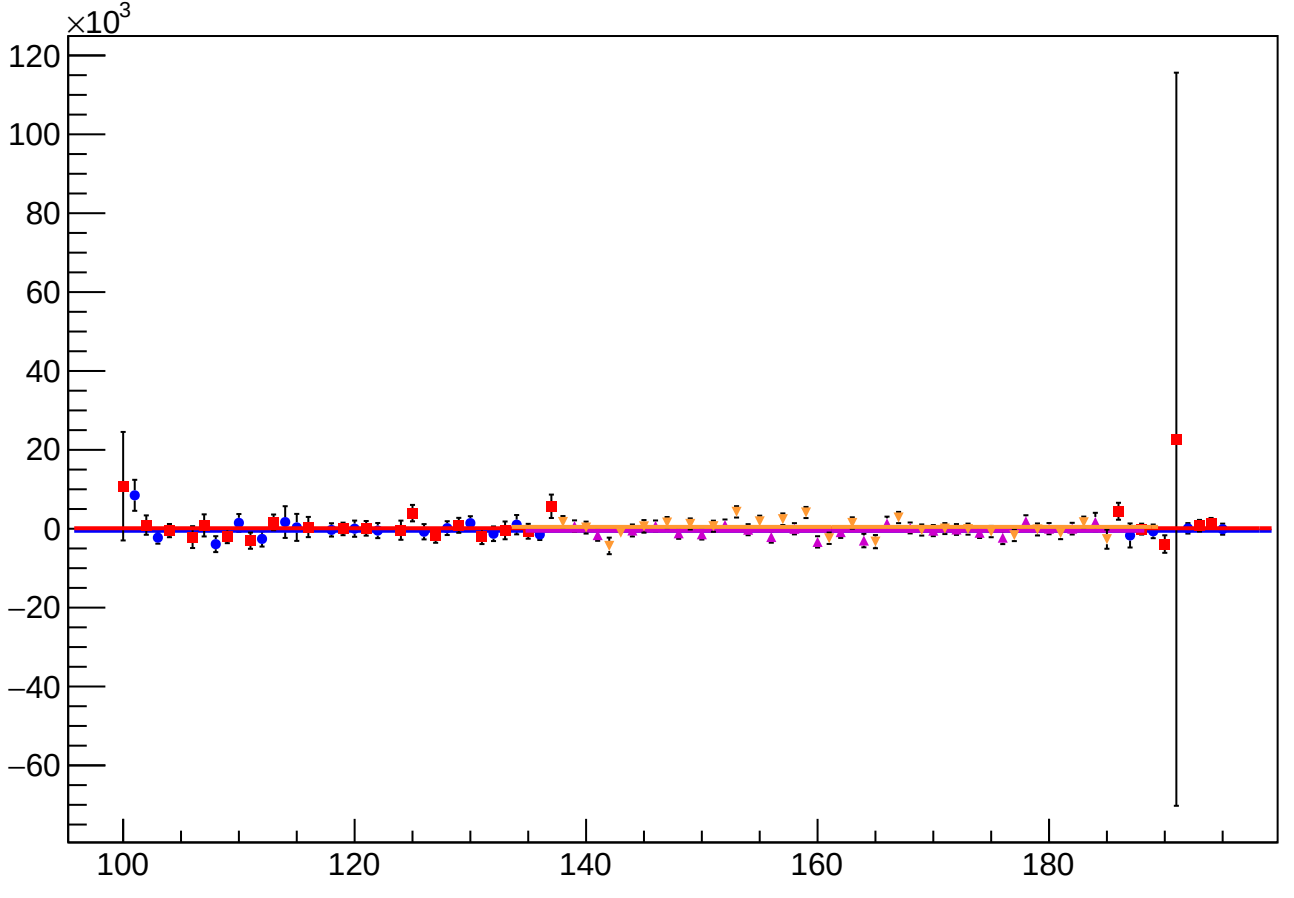
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3556.594+/-0.573 χ^2/NDF: 2587509.0/44

In: 4001.921+/-0.547 χ^2/NDF:2292473.4/42

Out: 3575.616+/-0.484 χ^2/NDF:5408595.2/49

All: 3763.024+/-0.362 χ^2/NDF: 8041936.8/92



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.732+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

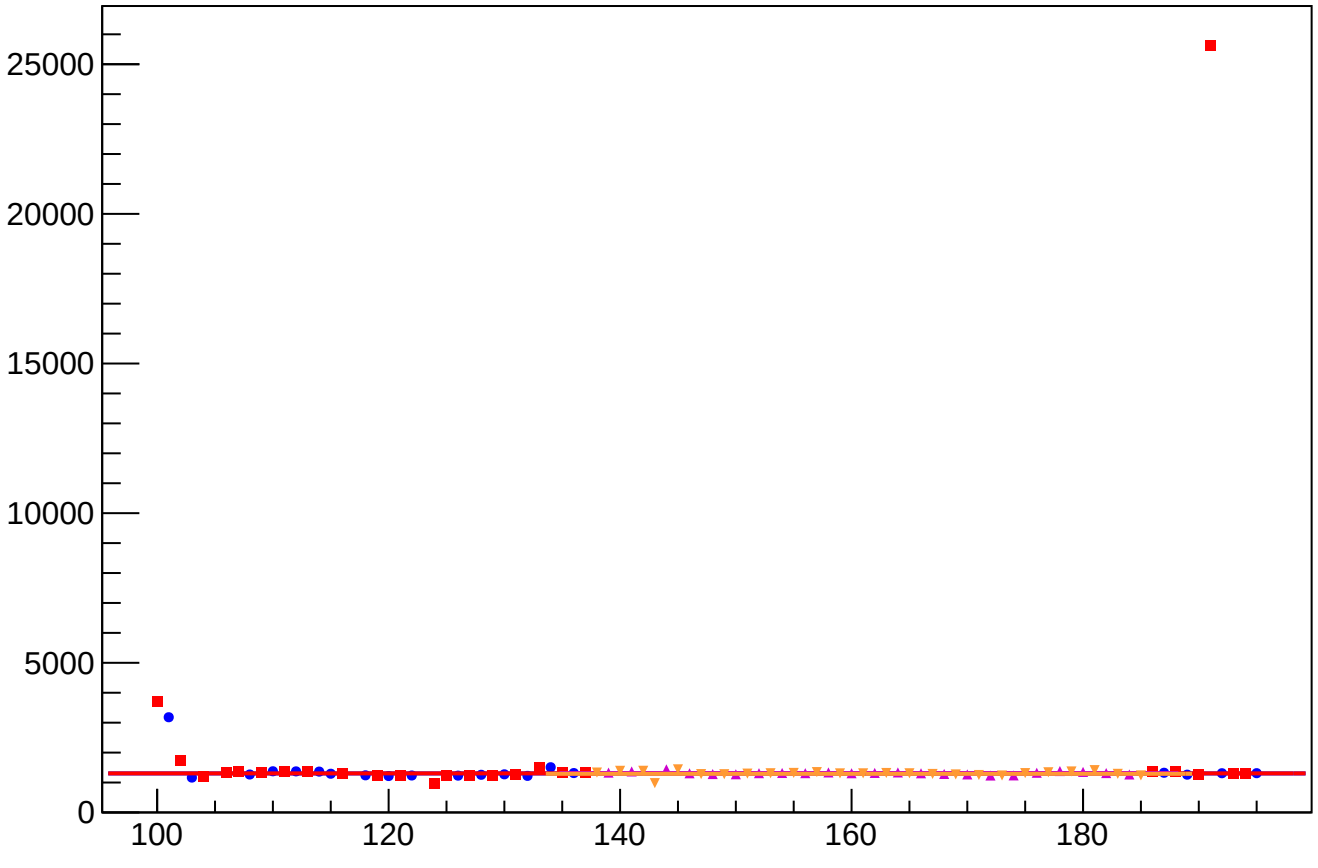
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -180.742+/-291.176 χ^2/NDF: 39.3/44

In: -507.625+/-248.327 χ^2/NDF:32.0/42

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.931+/-171.624 χ^2/NDF: 106.3/92



Right In: 1303.448+/-0.299 χ^2/NDF: 511957.8/19

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

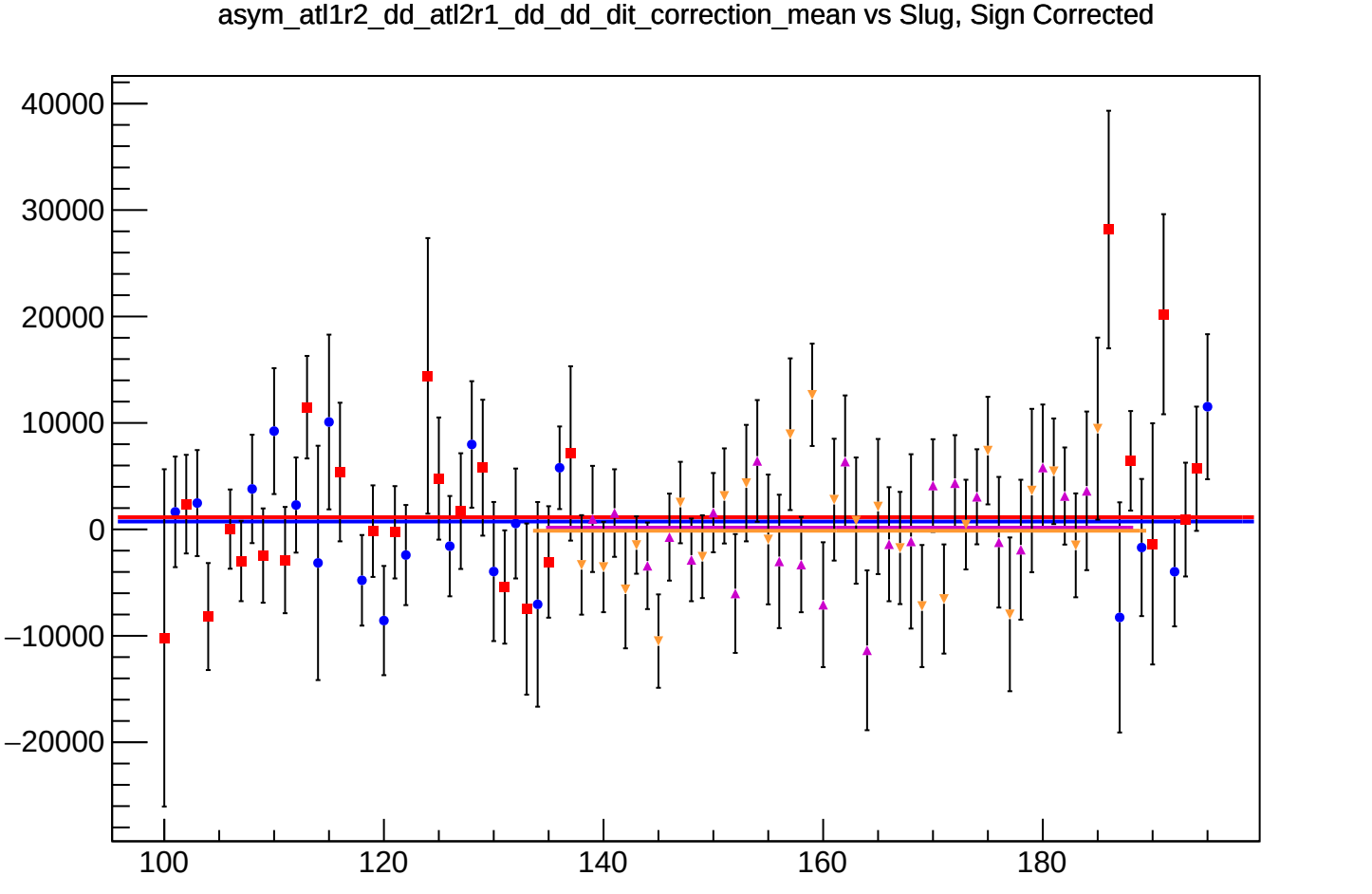
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.617+/-0.206 χ^2/NDF: 872122.5/44

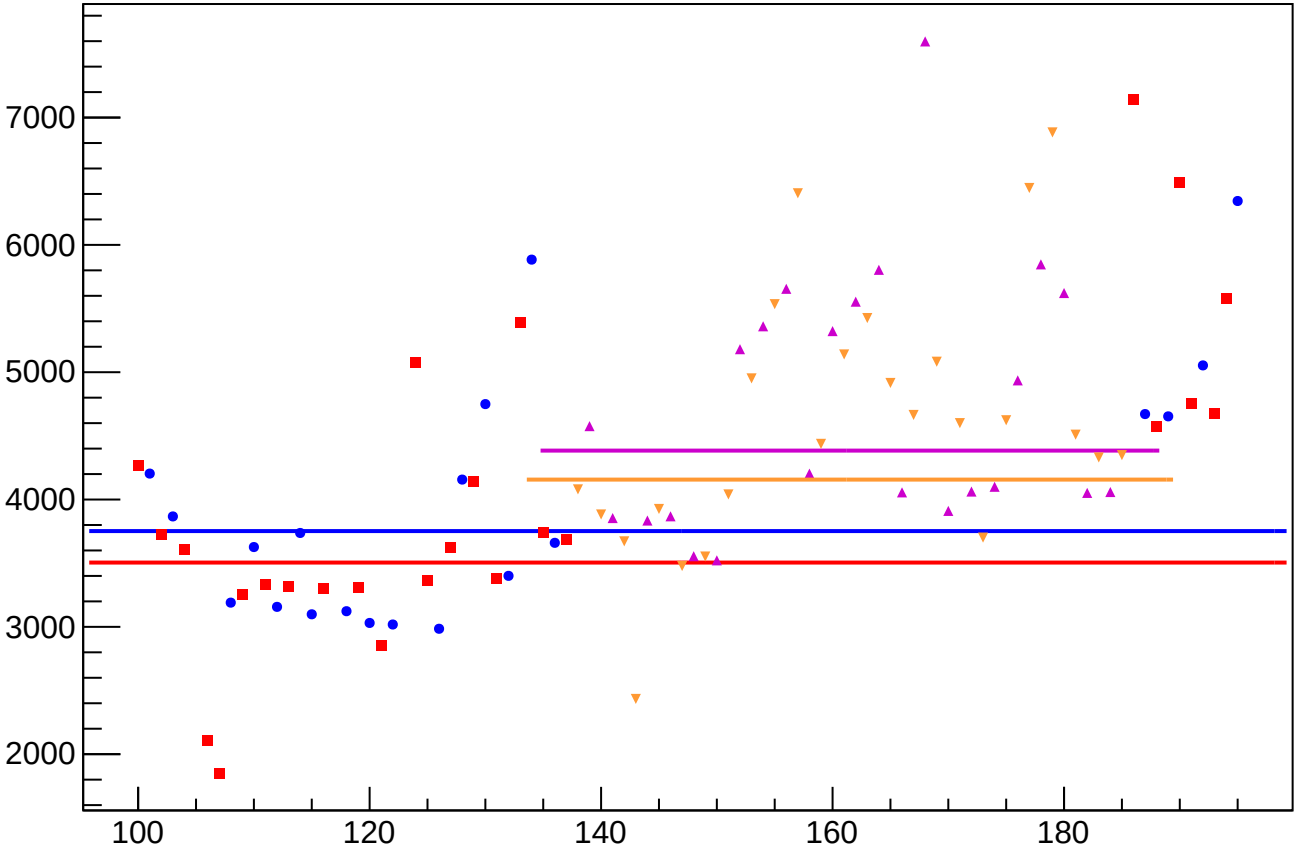
In: 1310.353+/-0.176 χ^2/NDF:555820.5/42

Out: 1296.259+/-0.168 χ^2/NDF:592557.5/49

All: 1302.990+/-0.121 χ^2/NDF: 1151743.8/92


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 738.920+/-1231.226 χ²/NDF: 18.3/19
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 1145.582+/-1096.551 χ²/NDF: 29.6/24
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 965.700+/-818.869 χ²/NDF: 48.0/44
In: 402.231+/-796.944 χ²/NDF:32.2/42
Out: 436.159+/-729.559 χ²/NDF:58.9/49
All: 420.690+/-538.125 χ²/NDF: 91.2/92

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3752.245+/-0.871 χ^2/NDF: 910787.1/19

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

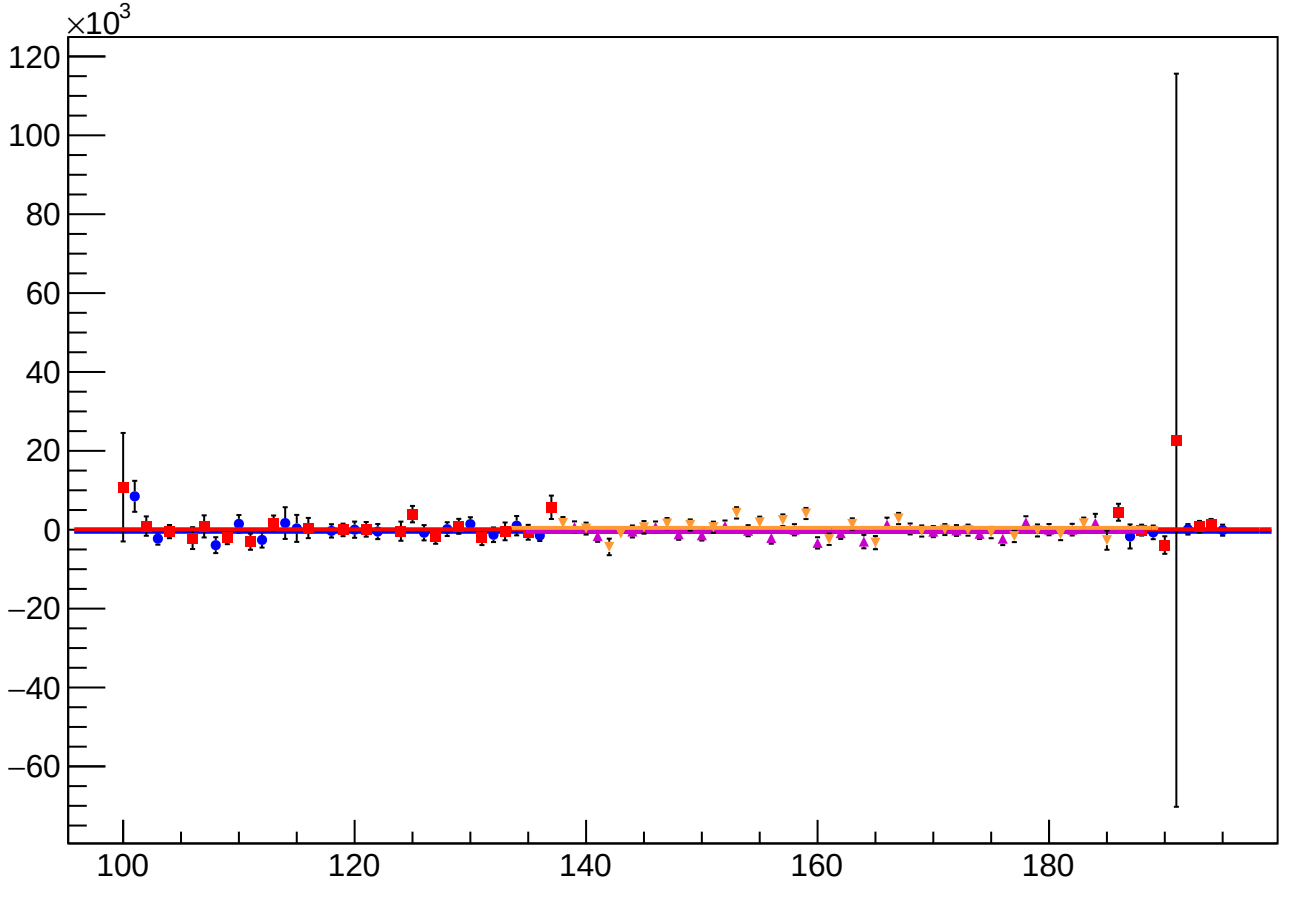
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3614.342+/-0.579 χ^2/NDF: 2702672.9/44

In: 4119.502+/-0.564 χ^2/NDF:2472522.0/42

Out: 3868.139+/-0.516 χ^2/NDF:4221295.0/49

All: 3982.746+/-0.381 χ^2/NDF: 6802066.1/92



Right In: -515.315+/-422.202 χ^2/NDF: 14.6/19

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 122.727+/-402.102 χ^2/NDF: 23.5/24

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

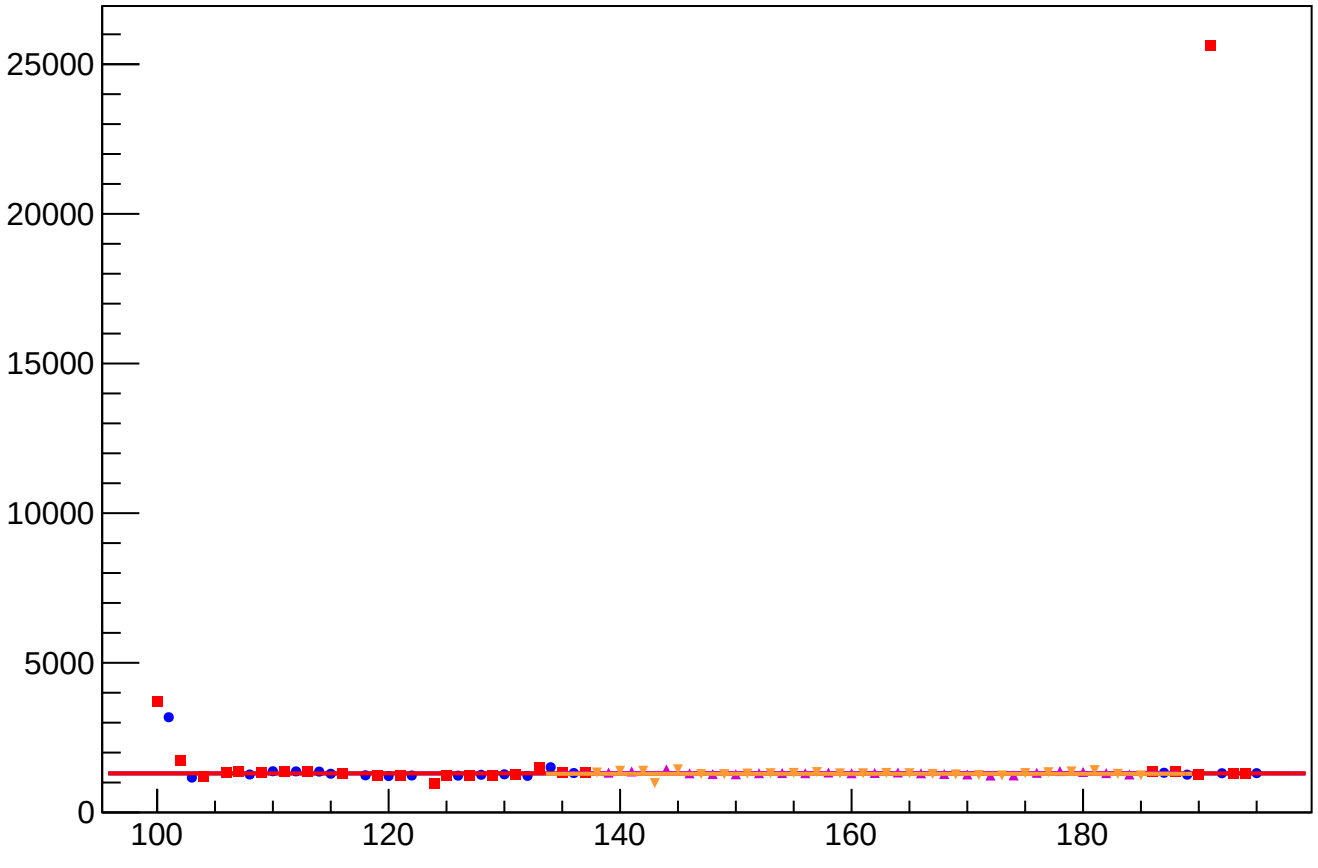
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -180.745+/-291.176 χ^2/NDF: 39.3/44

In: -507.626+/-248.327 χ^2/NDF:32.0/42

Out: 347.539+/-237.464 χ^2/NDF:68.1/49

All: -60.931+/-171.624 χ^2/NDF: 106.3/92



Right In: 1303.448+/-0.299 χ^2/NDF: 511958.0/19

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

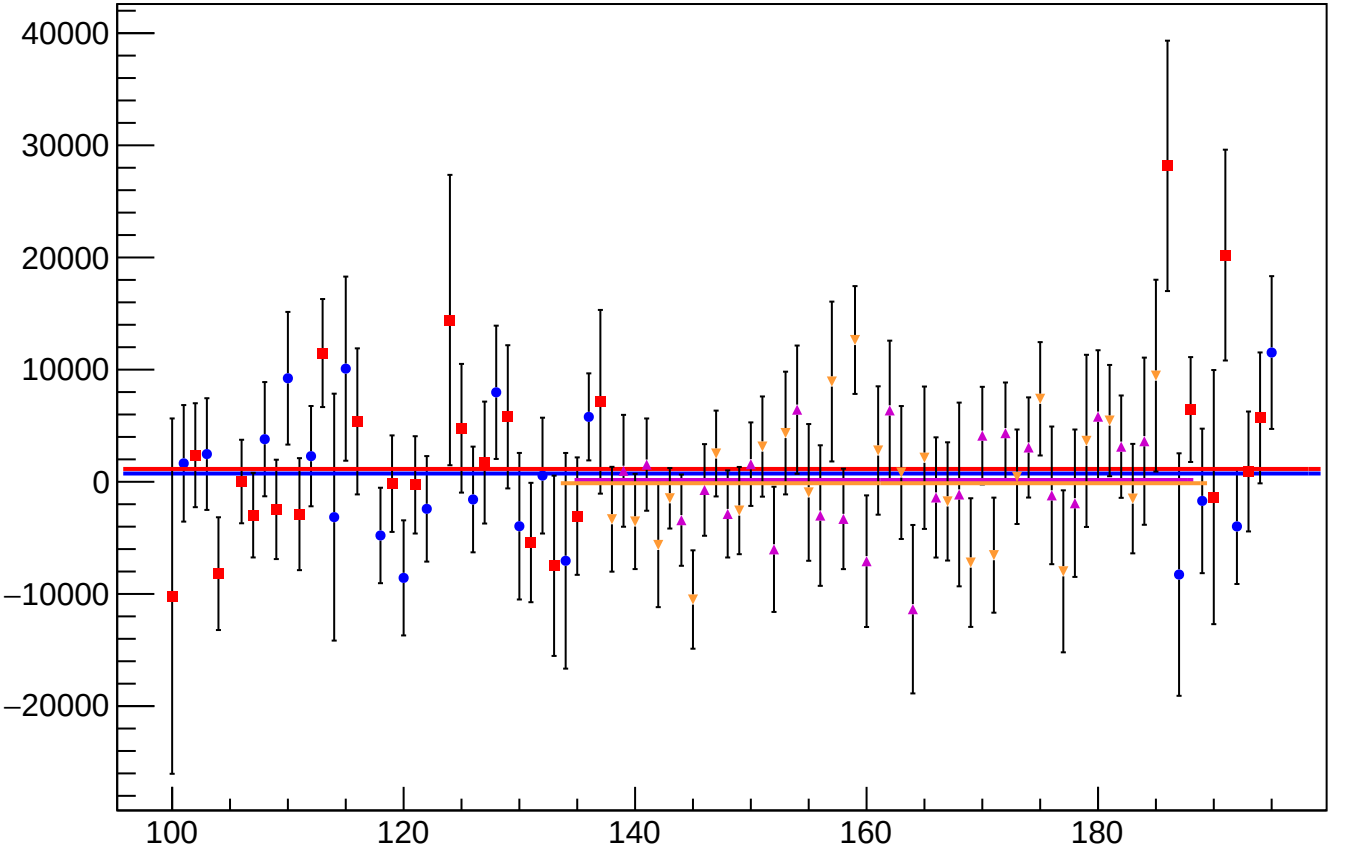
Right: 1304.617+/-0.206 χ^2/NDF: 872122.8/44

In: 1310.354+/-0.176 χ^2/NDF:555823.1/42

Out: 1296.260+/-0.168 χ^2/NDF:592559.8/49

All: 1302.991+/-0.121 χ^2/NDF: 1151748.7/92

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 738.910+/-1231.223 χ^2/NDF: 18.3/19

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

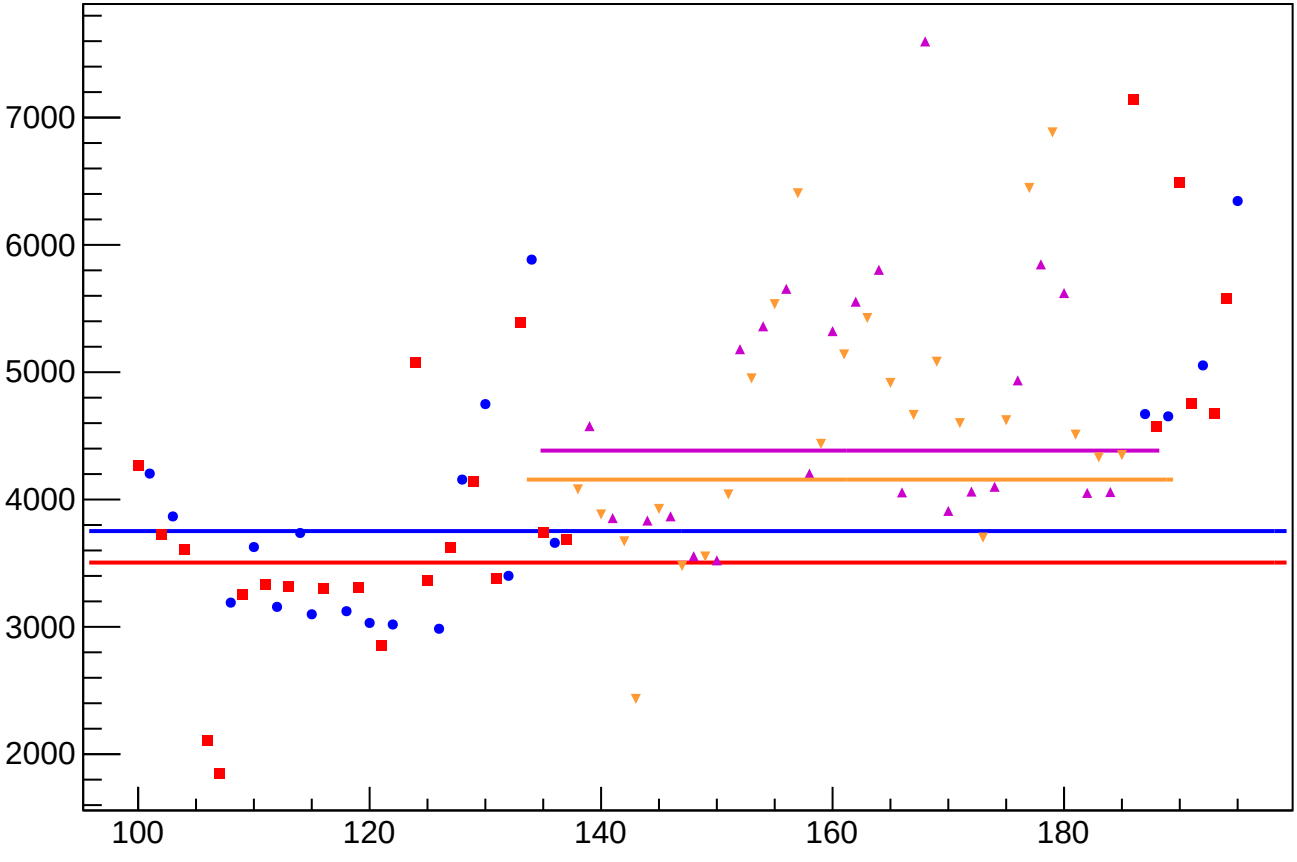
Right: 965.691+/-818.868 χ^2/NDF: 48.0/44

In: 402.228+/-796.945 χ^2/NDF:32.2/42

Out: 436.159+/-729.559 χ^2/NDF:58.9/49

All: 420.689+/-538.125 χ^2/NDF: 91.2/92

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3752.236+/-0.871 χ^2/NDF: 910800.7/19

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

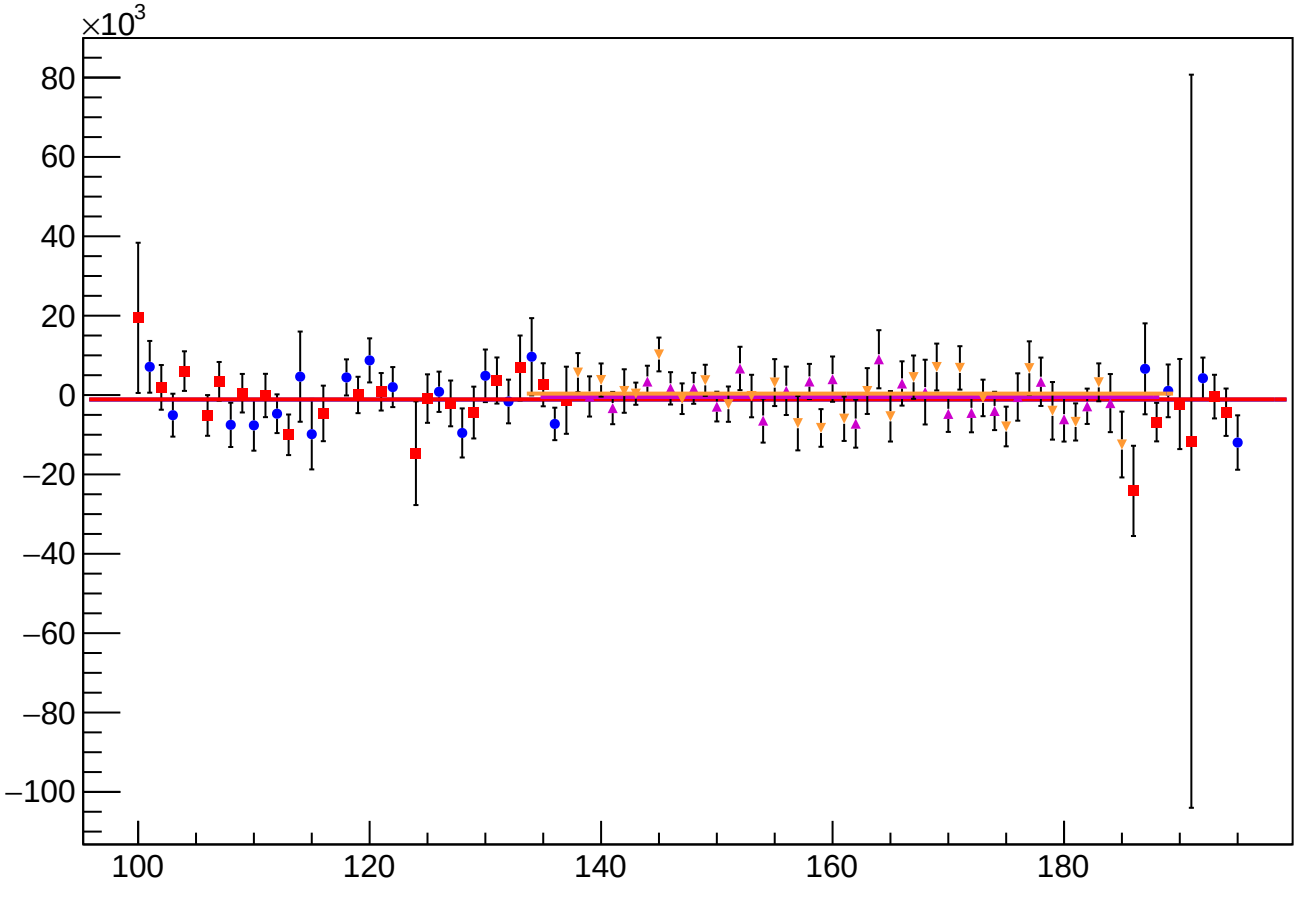
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3614.334+/-0.579 χ^2/NDF: 2702697.4/44

In: 4119.502+/-0.564 χ^2/NDF:2472554.8/42

Out: 3868.138+/-0.516 χ^2/NDF:4221325.7/49

All: 3982.745+/-0.381 χ^2/NDF: 6802129.5/92



Right In: -1147.735+/-1317.034 χ^2/NDF: 21.7/19

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1092.453+/-1213.237 χ^2/NDF: 17.9/24

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

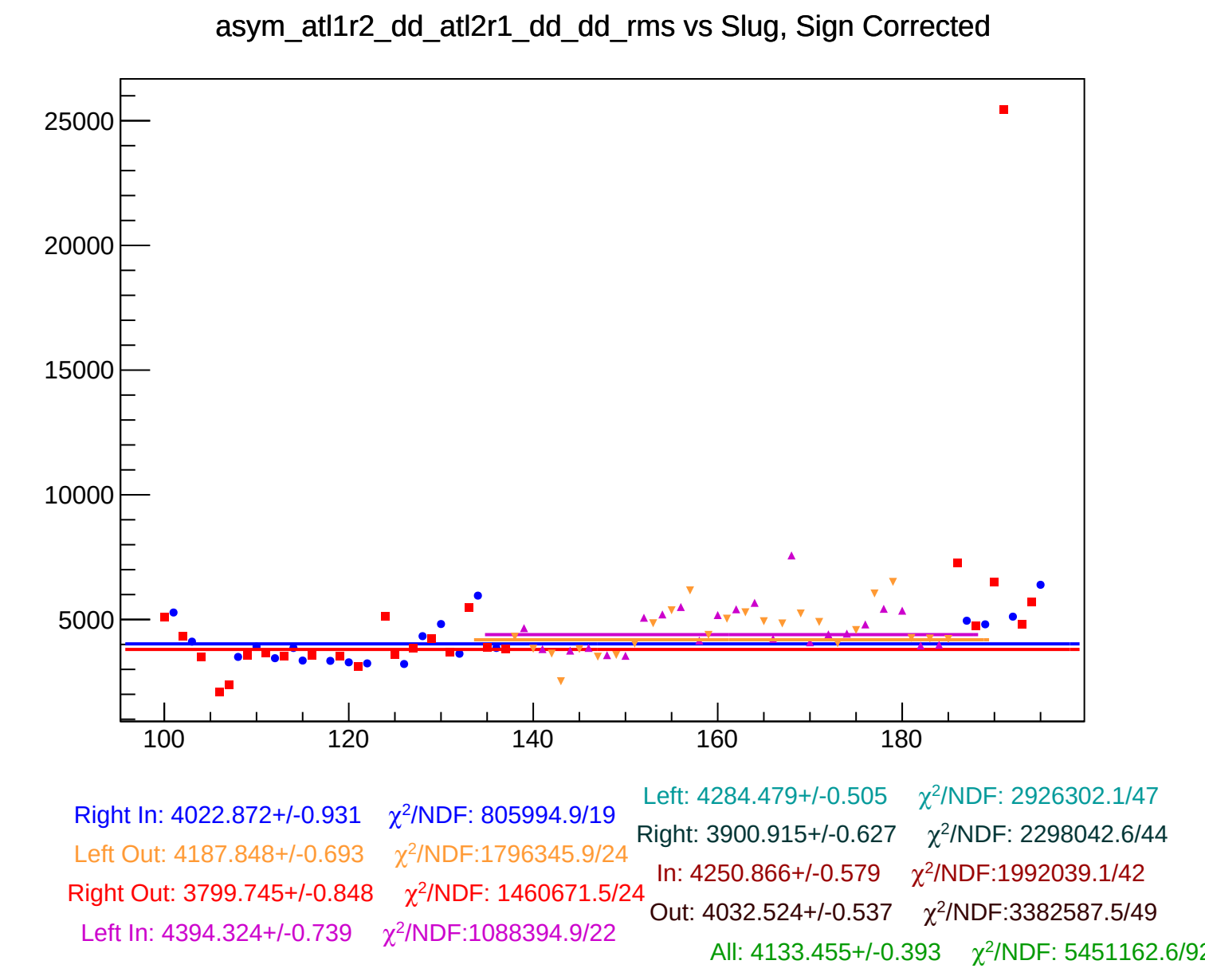
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1117.830+/-892.330 χ^2/NDF: 39.6/44

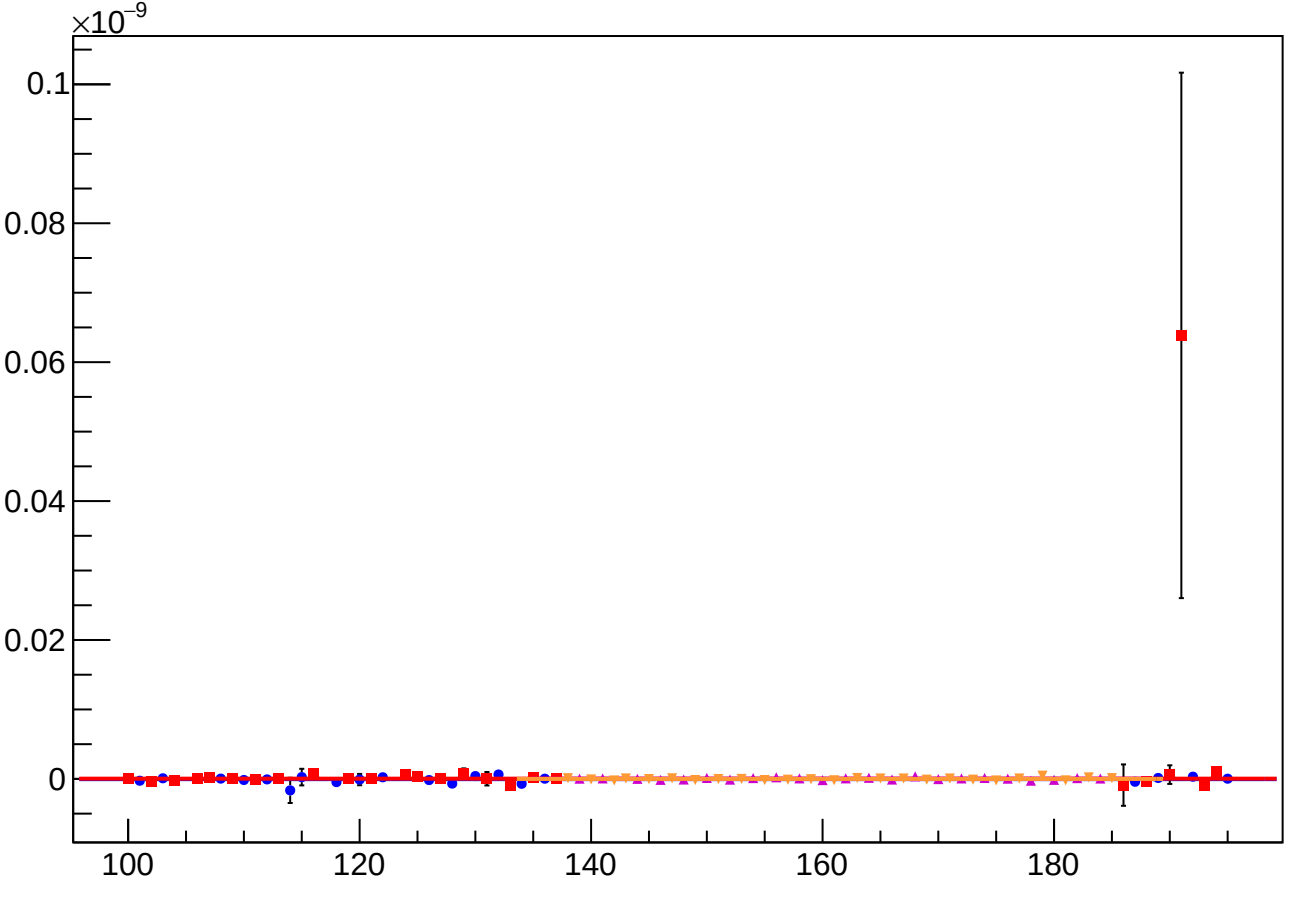
In: -748.638+/-818.476 χ^2/NDF:35.8/42

Out: -211.866+/-762.293 χ^2/NDF:46.4/49

All: -461.198+/-557.828 χ^2/NDF: 82.4/92


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 4022.872+/-0.931 χ²/NDF: 805994.9/19
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 3799.745+/-0.848 χ²/NDF: 1460671.5/24
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 3900.915+/-0.627 χ²/NDF: 2298042.6/44
In: 4250.866+/-0.579 χ²/NDF:1992039.1/42
Out: 4032.524+/-0.537 χ²/NDF:3382587.5/49
All: 4133.455+/-0.393 χ²/NDF: 5451162.6/92

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

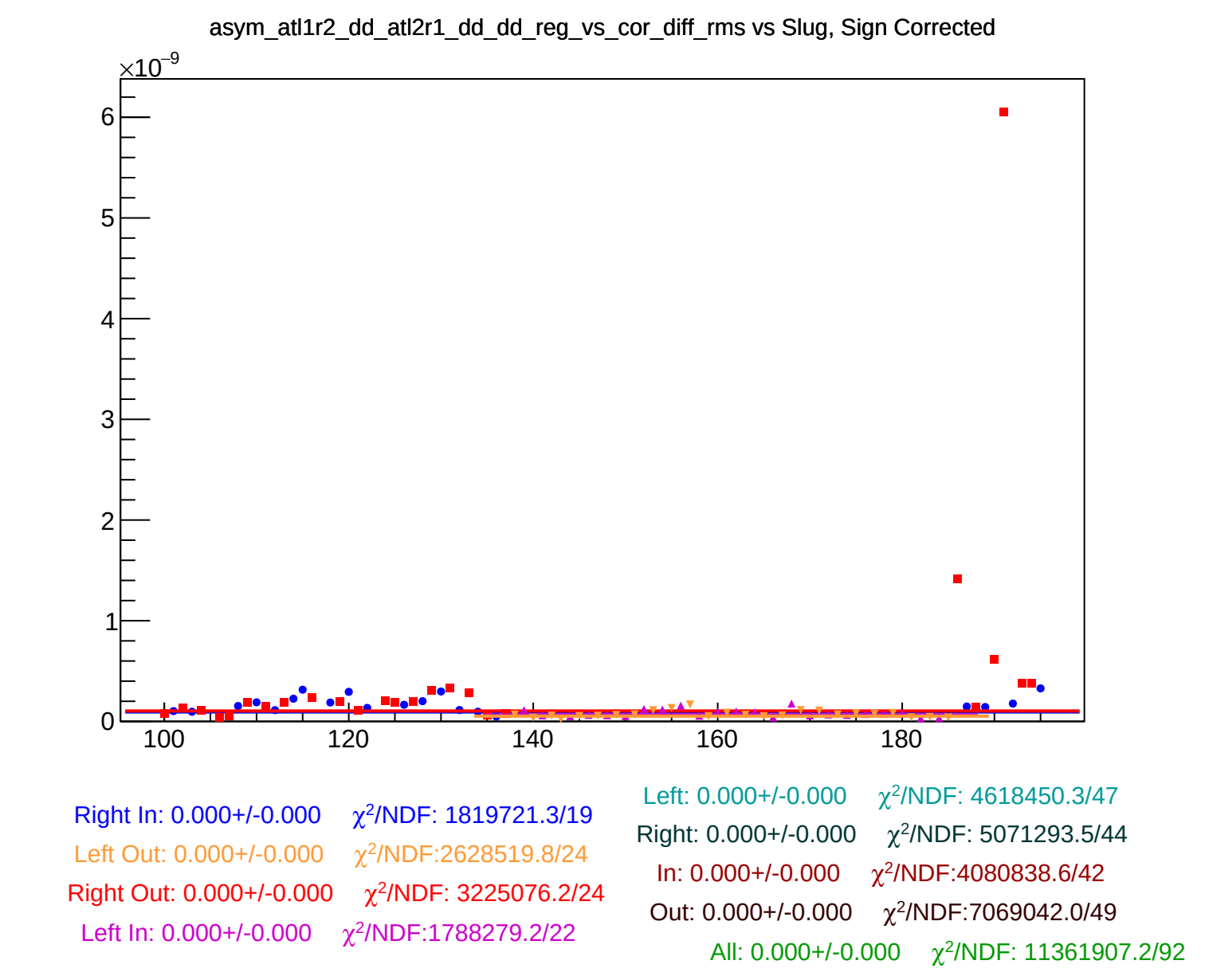
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 44.5/44

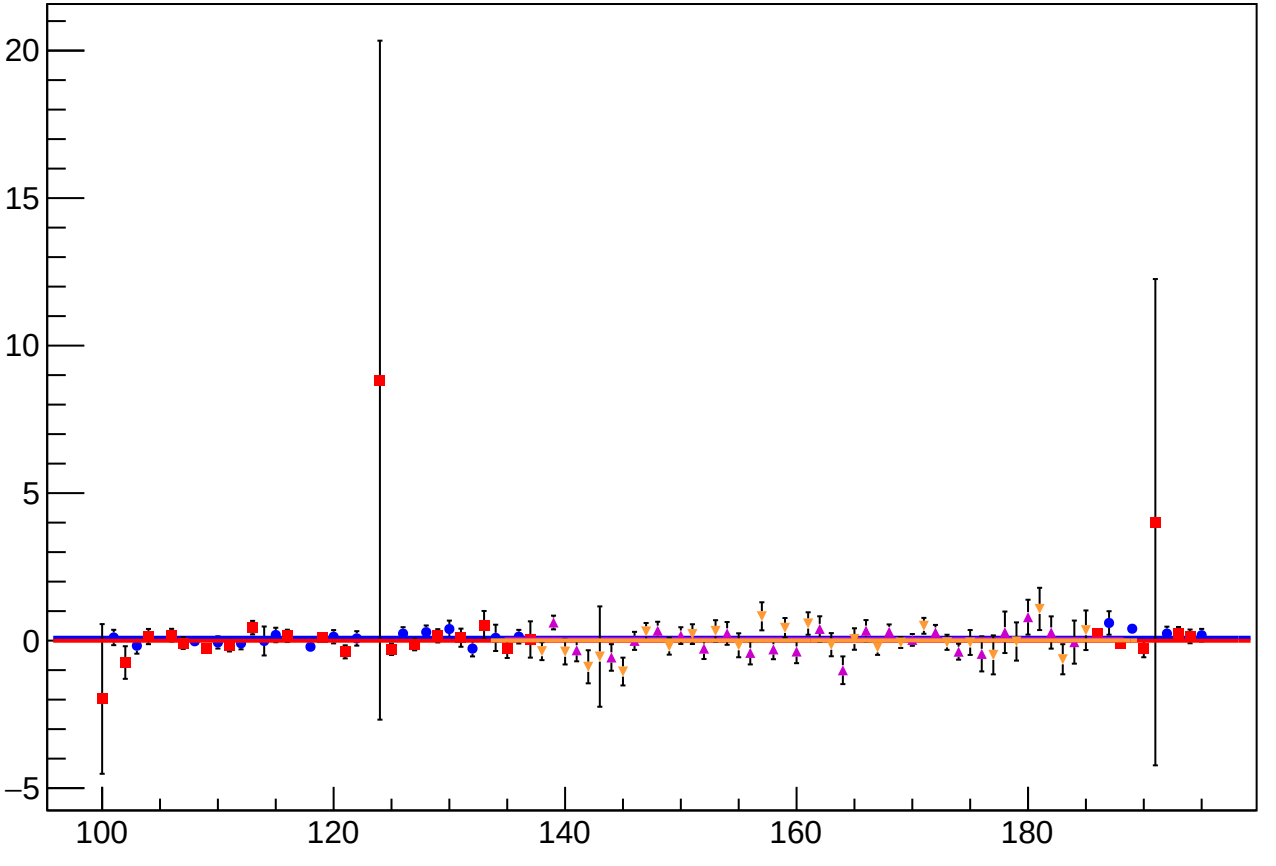
In: 0.000+/-0.000 χ^2/NDF:35.8/42

Out: 0.000+/-0.000 χ^2/NDF:56.6/49

All: 0.000+/-0.000 χ^2/NDF: 92.5/92


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1819721.3/19
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3225076.2/24
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: 5071293.5/44
In: 0.000+/-0.000 χ²/NDF:4080838.6/42
Out: 0.000+/-0.000 χ²/NDF:7069042.0/49
All: 0.000+/-0.000 χ²/NDF: 11361907.2/92

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

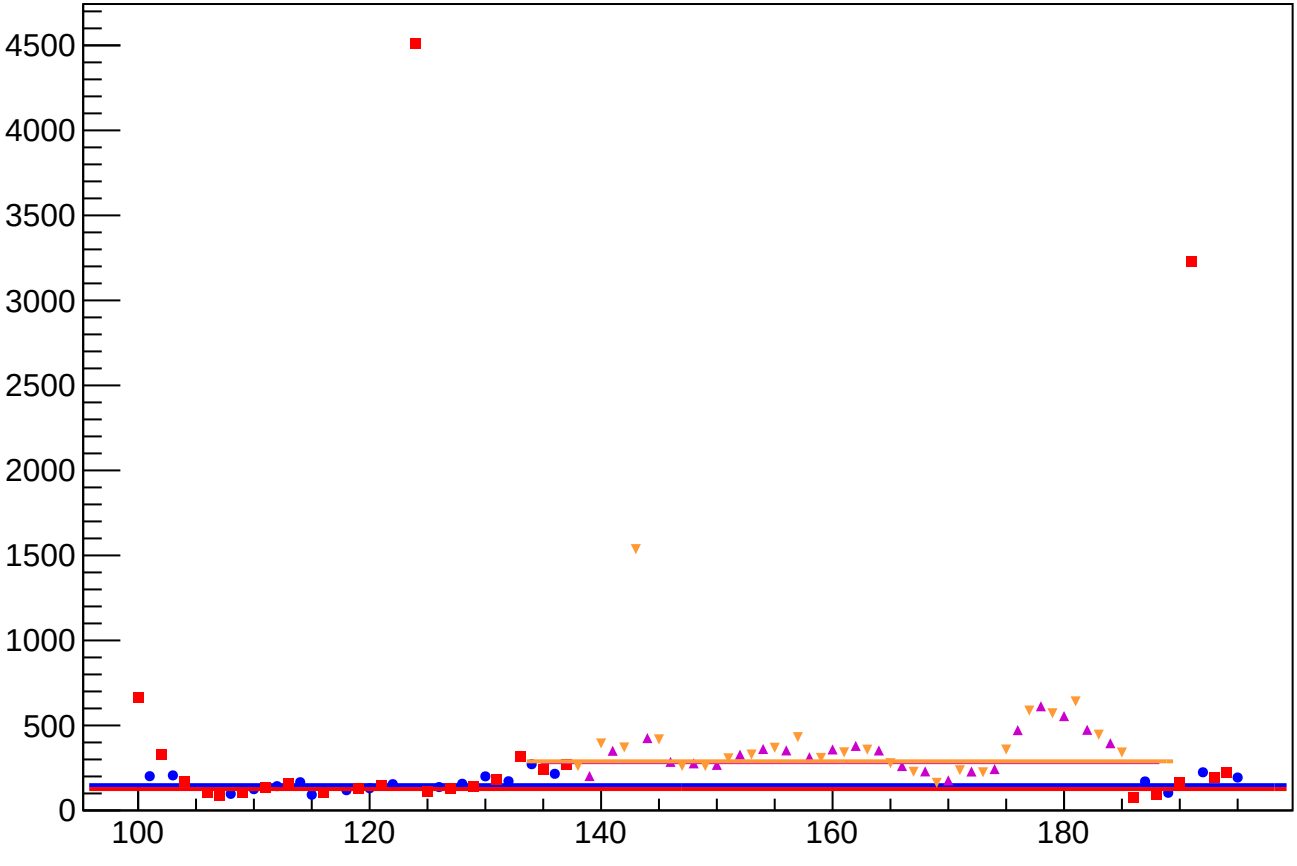
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

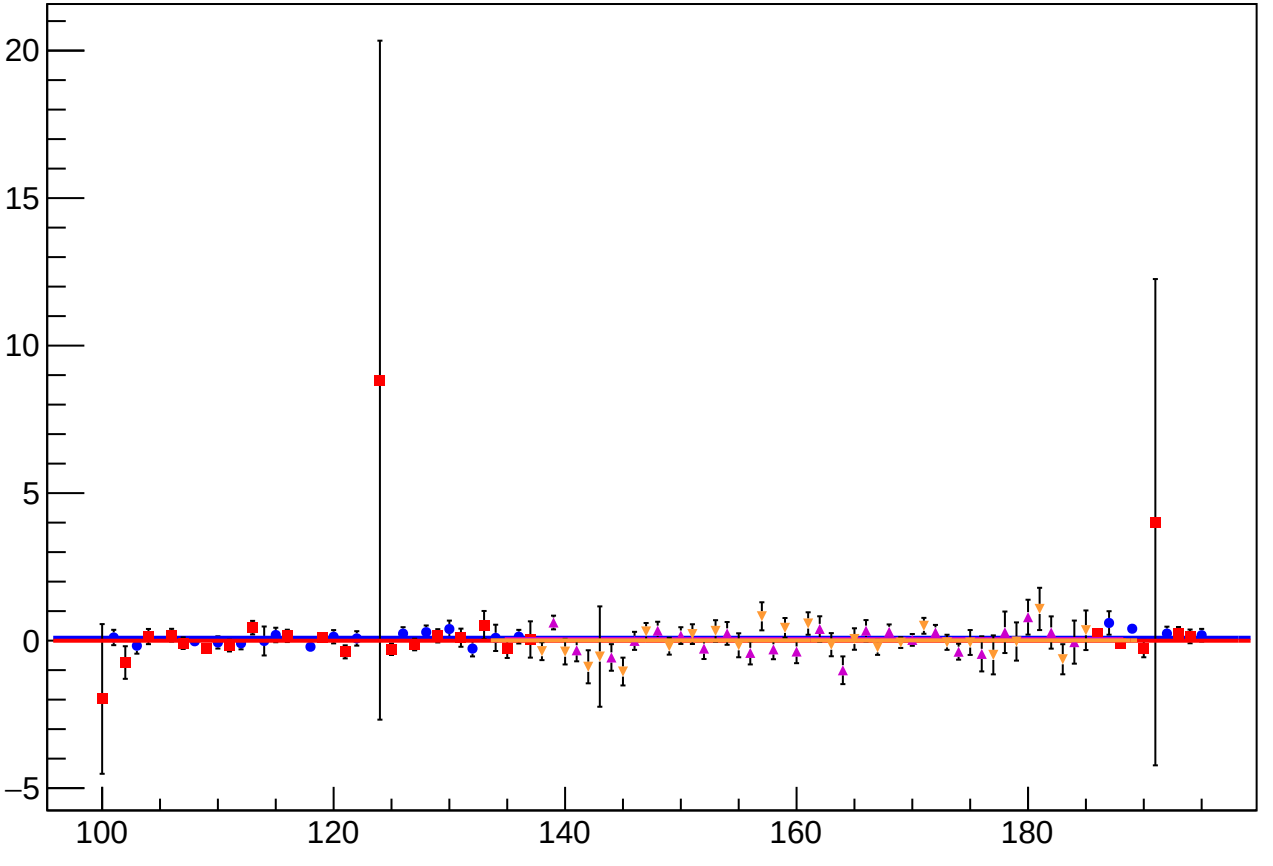
Right: 135.366+/-0.023 χ^2/NDF: 4758207.8/44

In: 194.864+/-0.029 χ^2/NDF:9439437.0/42

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

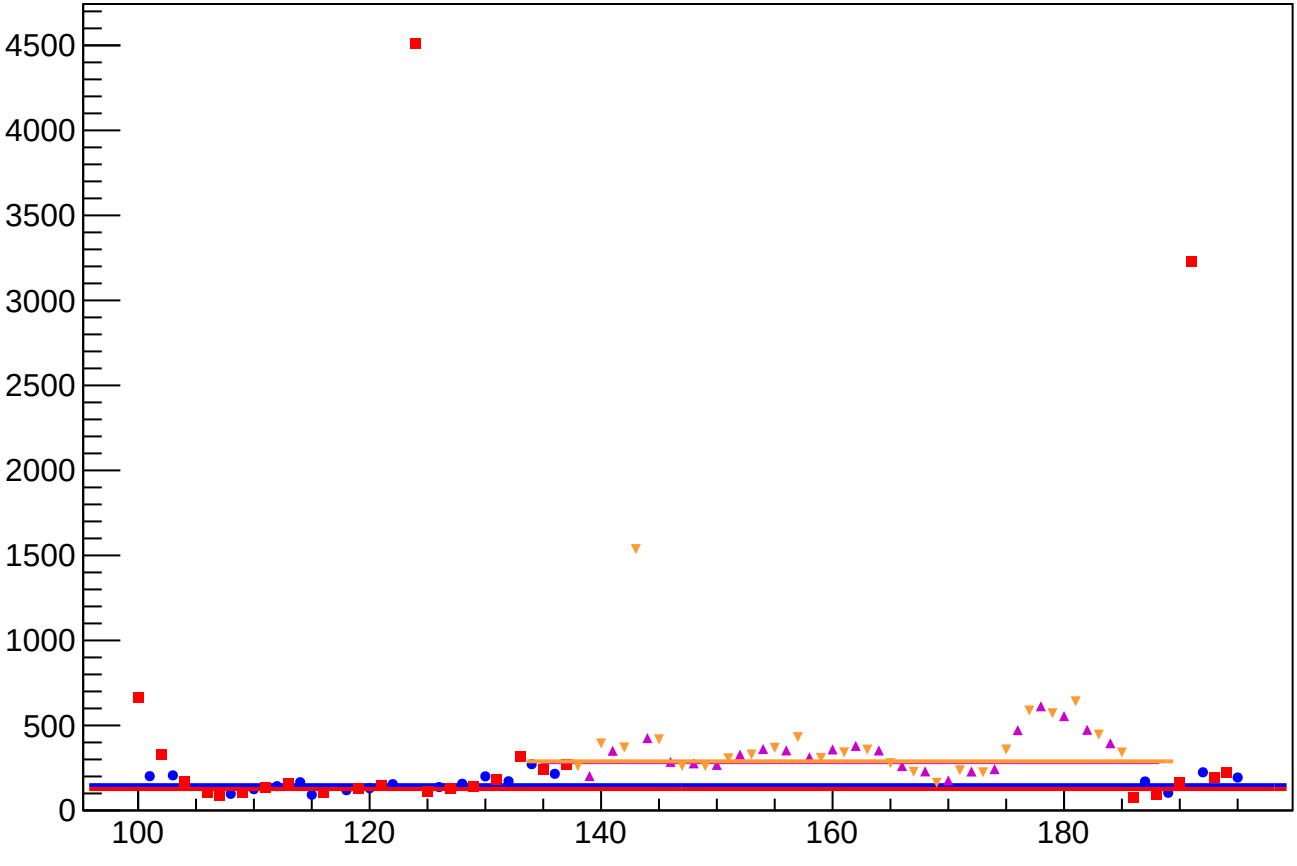
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480088.6/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

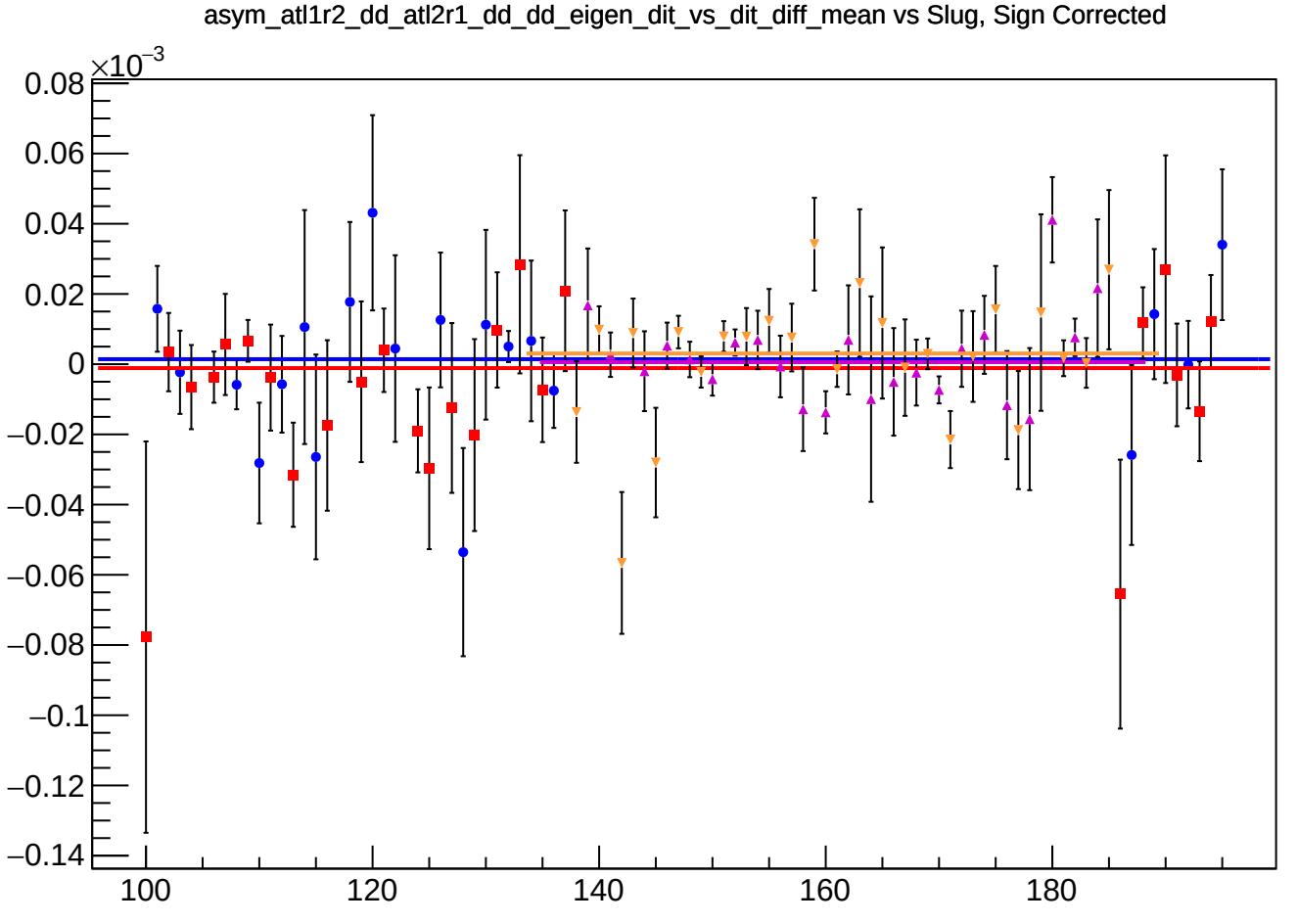
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 135.366+/-0.023 χ^2/NDF: 4758207.8/44

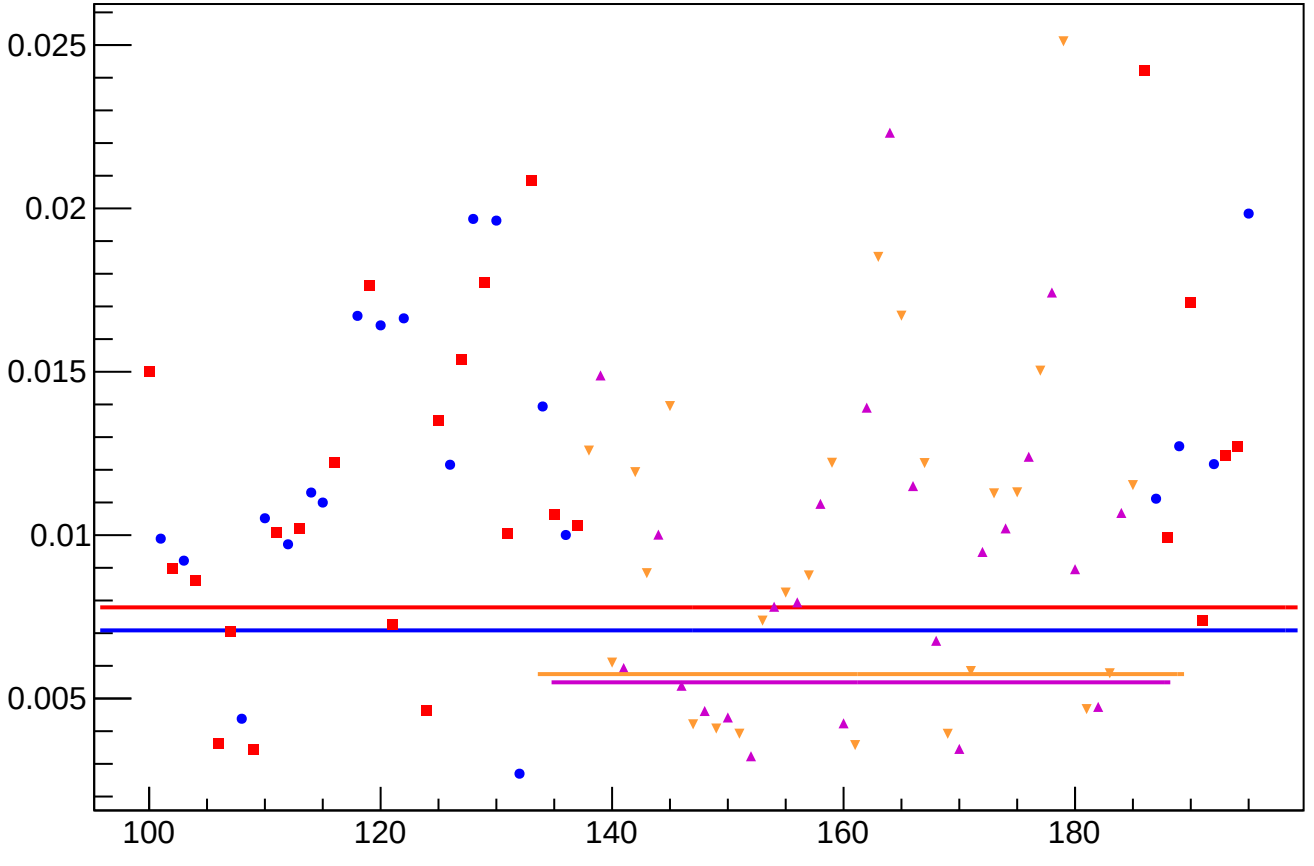
In: 194.864+/-0.029 χ^2/NDF:9439437.0/42

Out: 169.206+/-0.026 χ^2/NDF:15429199.6/49

All: 180.556+/-0.019 χ^2/NDF: 25303199.9/92


asym_atl1r2_dd_atl2r1_dd_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
−0.12
−0.14
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 18.8/19
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.1/24
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: 0.000+/-0.000 χ²/NDF: 42.4/44
In: 0.000+/-0.000 χ²/NDF:52.1/42
Out: 0.000+/-0.000 χ²/NDF:67.1/49
All: 0.000+/-0.000 χ²/NDF: 119.7/92

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6031592.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

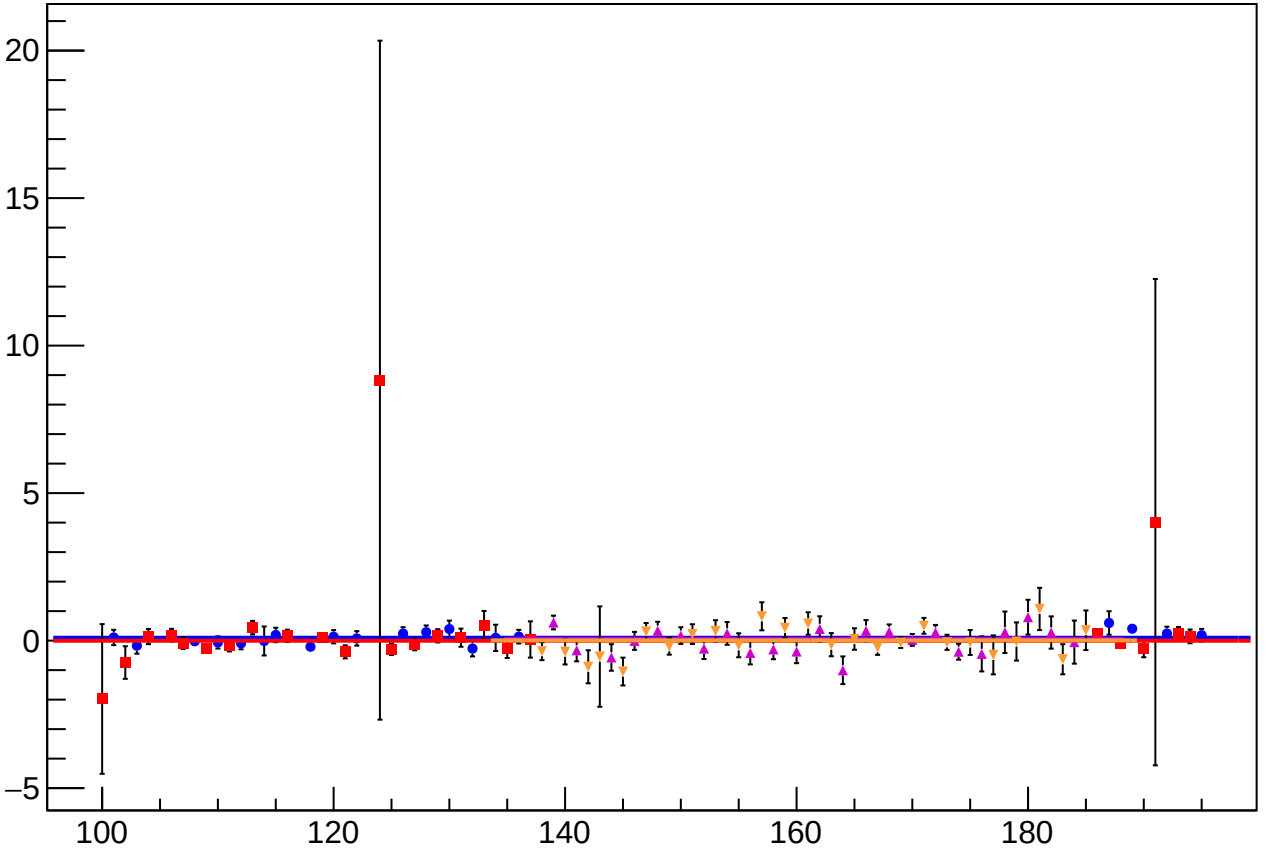
Right: 0.007+/-0.000 χ^2/NDF: 10768758.1/44

In: 0.006+/-0.000 χ^2/NDF:13474040.4/42

Out: 0.006+/-0.000 χ^2/NDF:13665984.3/49

All: 0.006+/-0.000 χ^2/NDF: 27220884.6/92

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

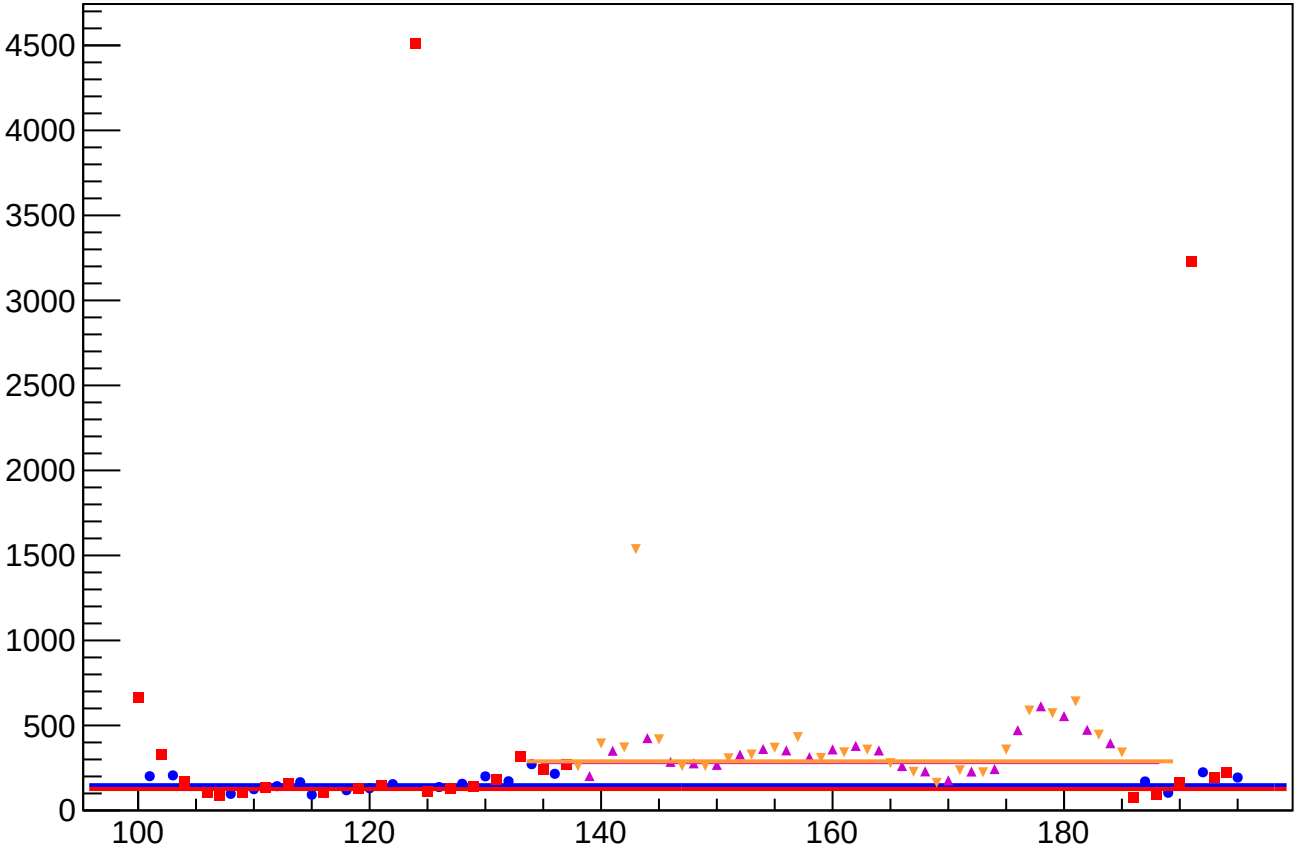
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

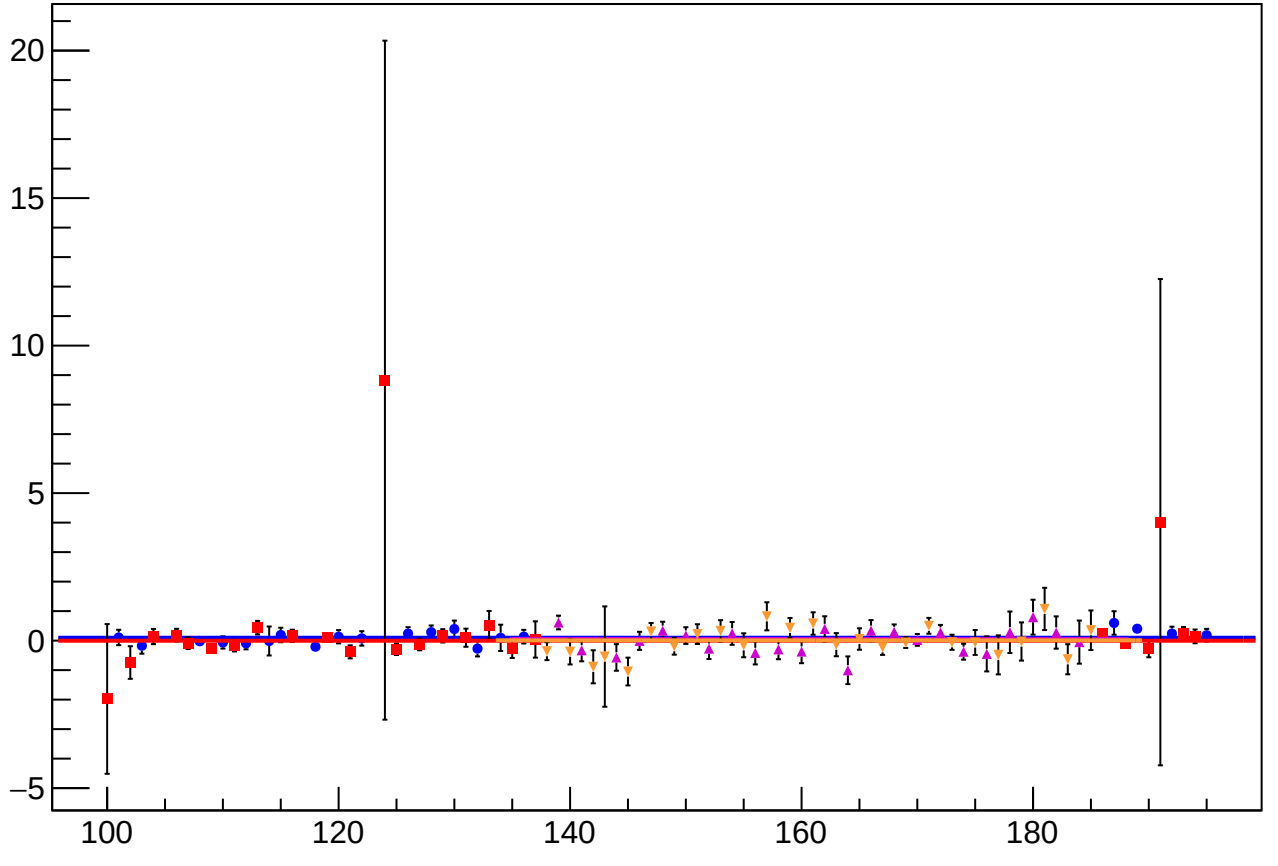
Right: 135.367+/-0.023 χ^2/NDF: 4757975.3/44

In: 194.864+/-0.029 χ^2/NDF:9439631.3/42

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.051 χ^2/NDF: 17.1/19

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

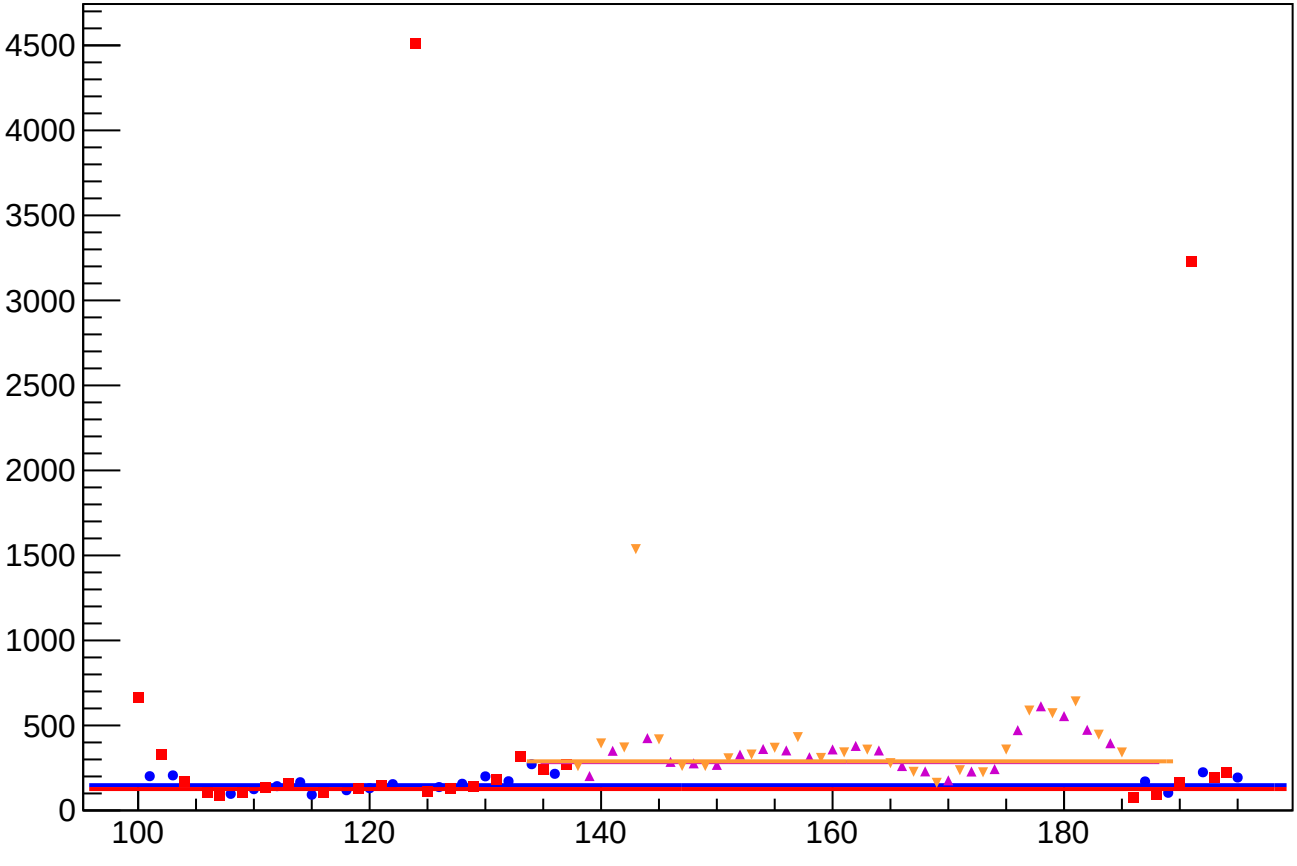
Right: 0.039+/-0.033 χ^2/NDF: 46.9/44

In: 0.082+/-0.041 χ^2/NDF:45.1/42

Out: -0.000+/-0.037 χ^2/NDF:56.4/49

All: 0.036+/-0.027 χ^2/NDF: 103.7/92

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.685+/-0.036 χ^2/NDF: 1480056.0/19

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

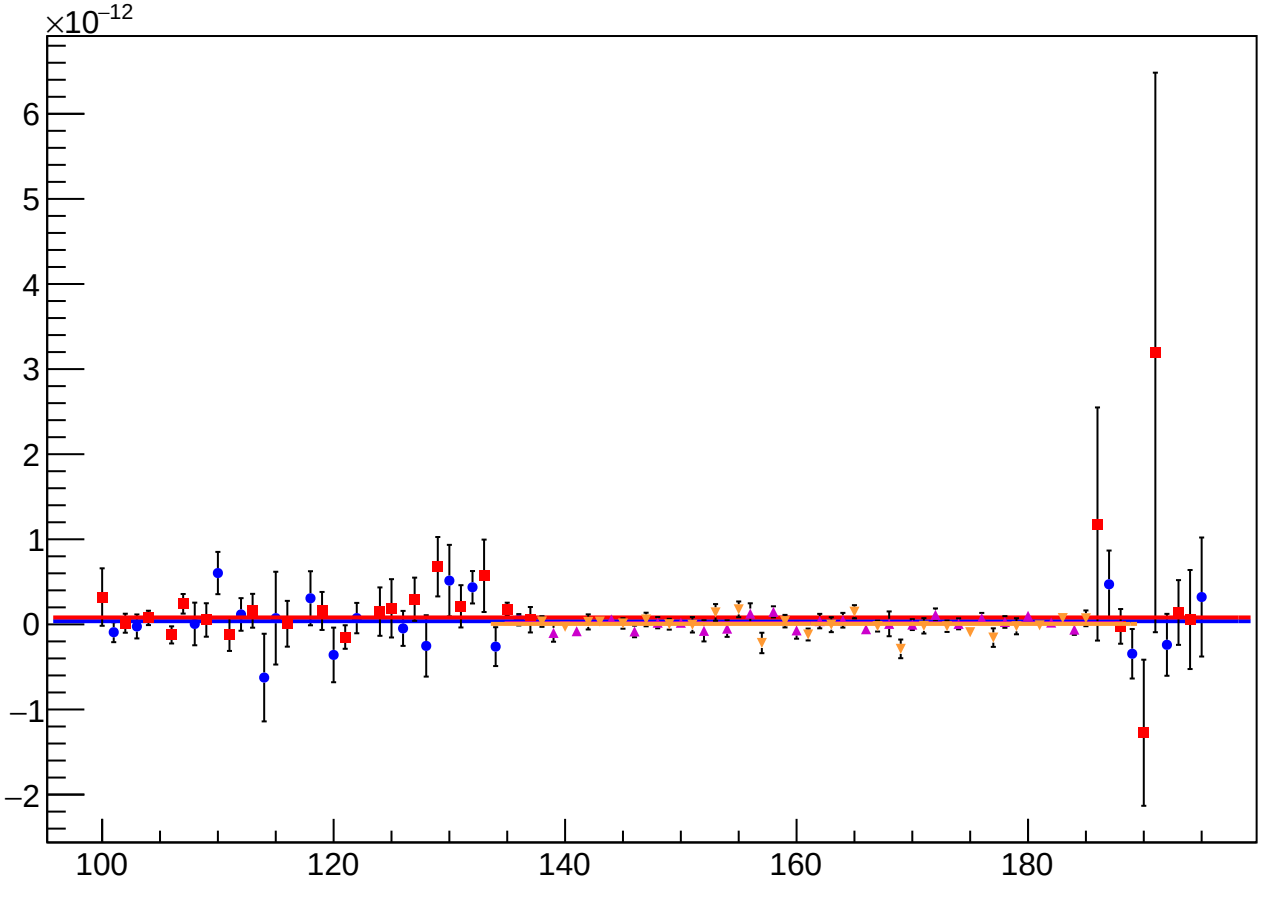
Right: 135.367+/-0.023 χ^2/NDF: 4757975.3/44

In: 194.864+/-0.029 χ^2/NDF:9439631.3/42

Out: 169.208+/-0.026 χ^2/NDF:15429017.4/49

All: 180.557+/-0.019 χ^2/NDF: 25303134.2/92

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: 22.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/24

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

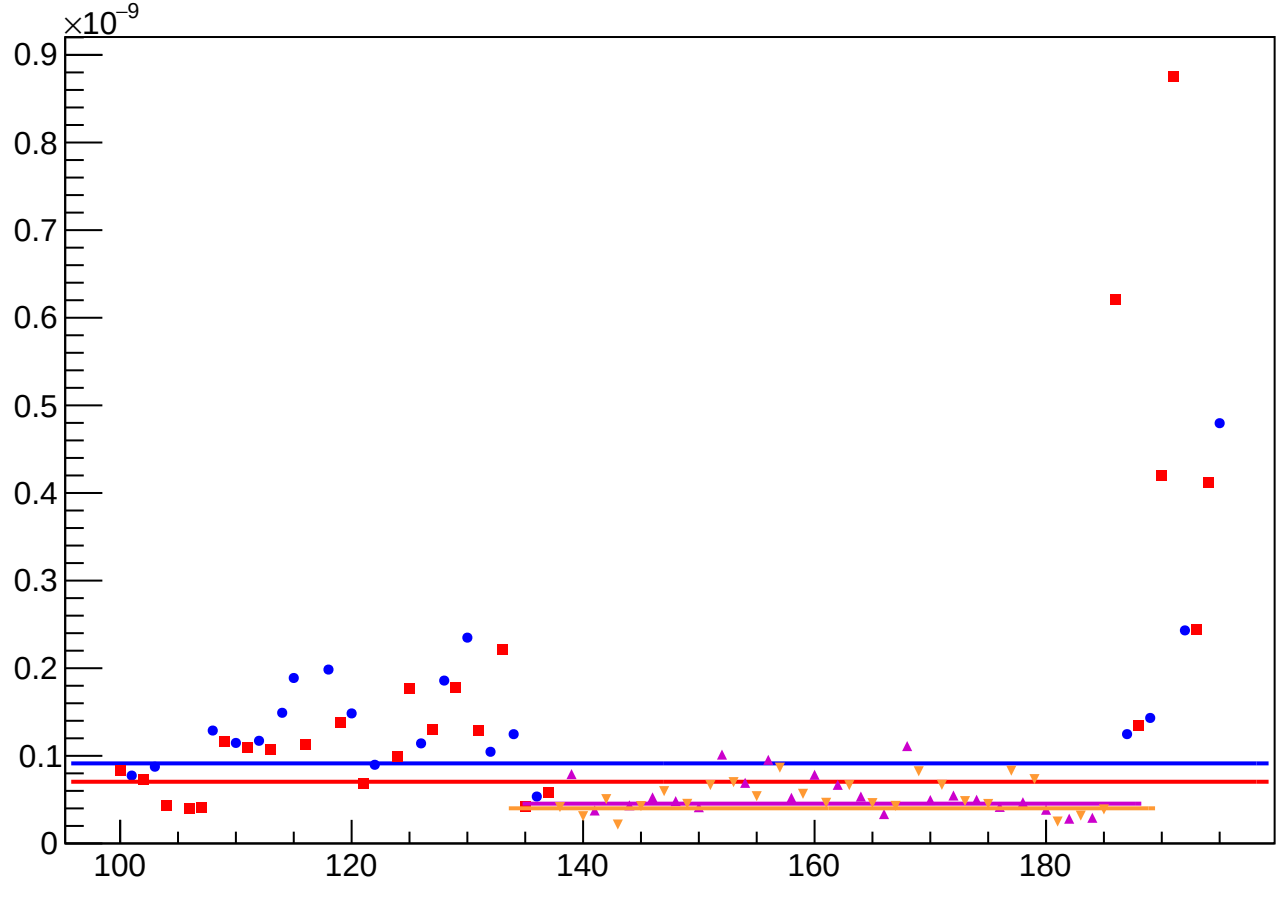
Right: 0.000+/-0.000 χ^2/NDF: 45.9/44

In: 0.000+/-0.000 χ^2/NDF:46.2/42

Out: 0.000+/-0.000 χ^2/NDF:61.2/49

All: 0.000+/-0.000 χ^2/NDF: 107.4/92

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: 2636191.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4282007.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

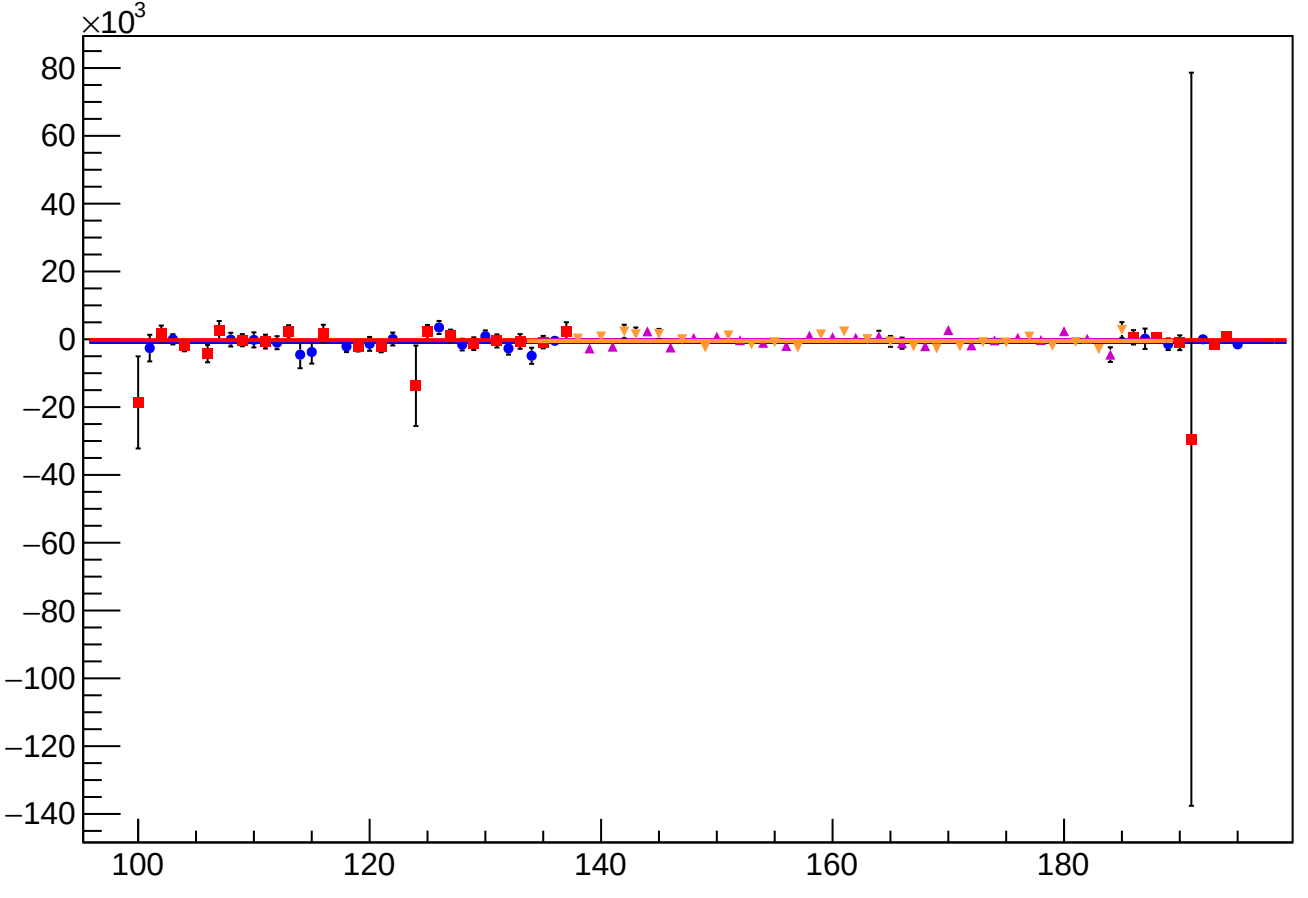
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7225102.3/44

In: 0.000+/-0.000 χ^2/NDF:7612218.6/42

Out: 0.000+/-0.000 χ^2/NDF:9333664.0/49

All: 0.000+/-0.000 χ^2/NDF: 17199676.8/92



Right In: -803.131+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -247.383+/-400.655 χ^2/NDF: 17.8/24

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

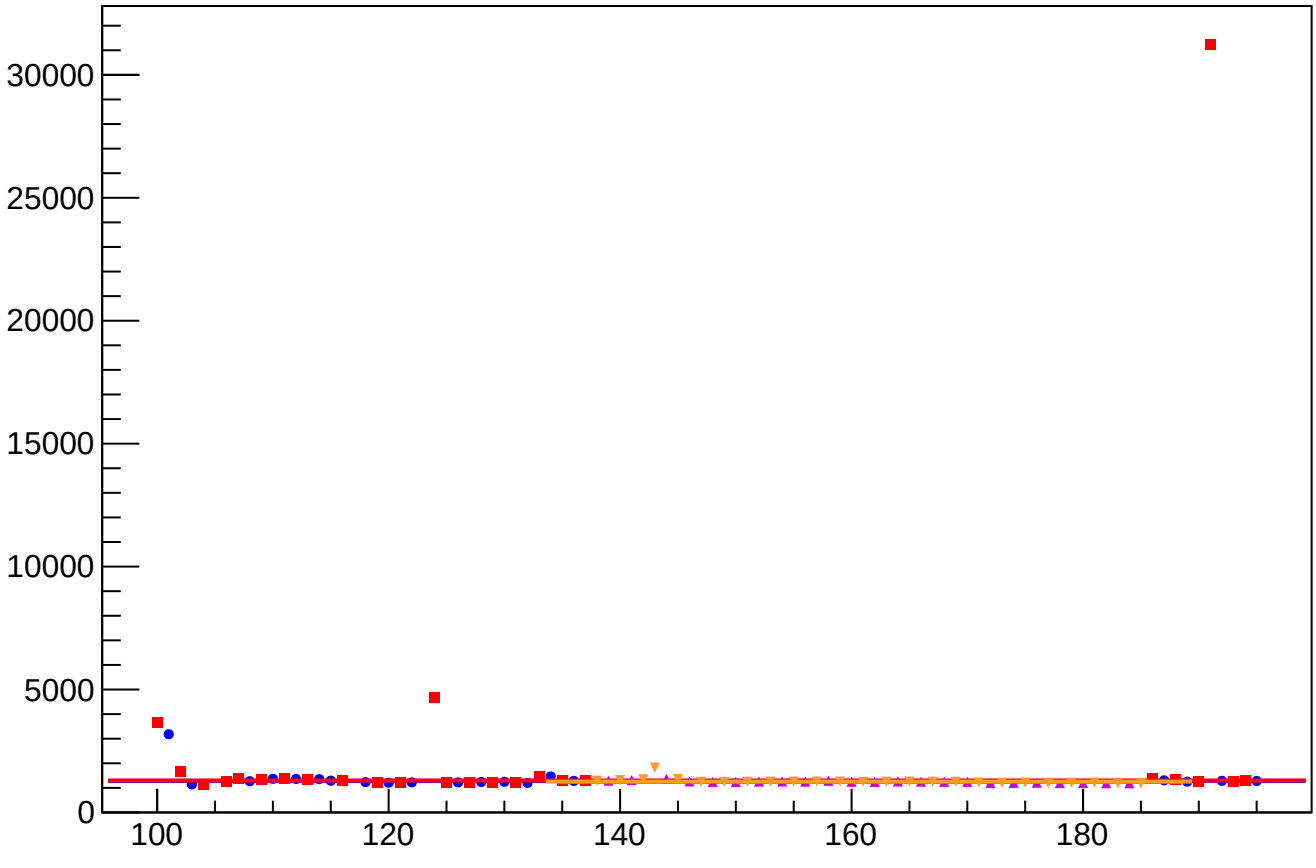
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -514.858+/-288.558 χ^2/NDF: 33.0/44

In: -427.001+/-238.530 χ^2/NDF:47.6/42

Out: -424.346+/-232.748 χ^2/NDF:49.0/49

All: -425.641+/-166.584 χ^2/NDF: 96.6/92



Right In: 1283.970+/-0.294 χ^2/NDF: 518962.8/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1299.185+/-0.283 χ^2/NDF: 489259.8/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

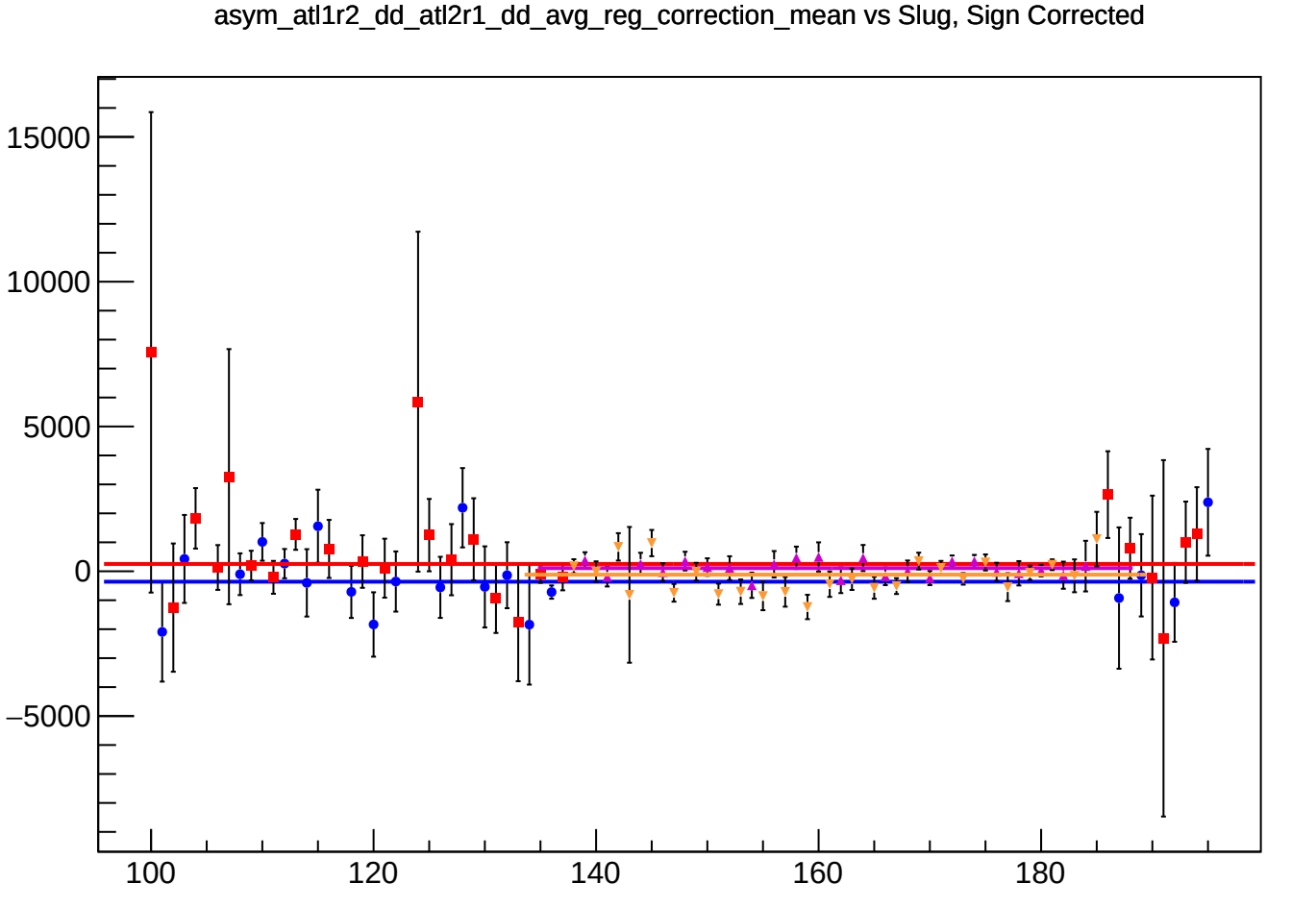
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1291.862+/-0.204 χ^2/NDF: 1009610.7/44

In: 1258.725+/-0.169 χ^2/NDF:569797.6/42

Out: 1270.251+/-0.165 χ^2/NDF:708126.5/49

All: 1264.630+/-0.118 χ^2/NDF: 1280316.4/92



Right In: -359.992+/-164.751 χ^2/NDF: 20.7/19

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 252.395+/-164.040 χ^2/NDF: 18.5/24

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

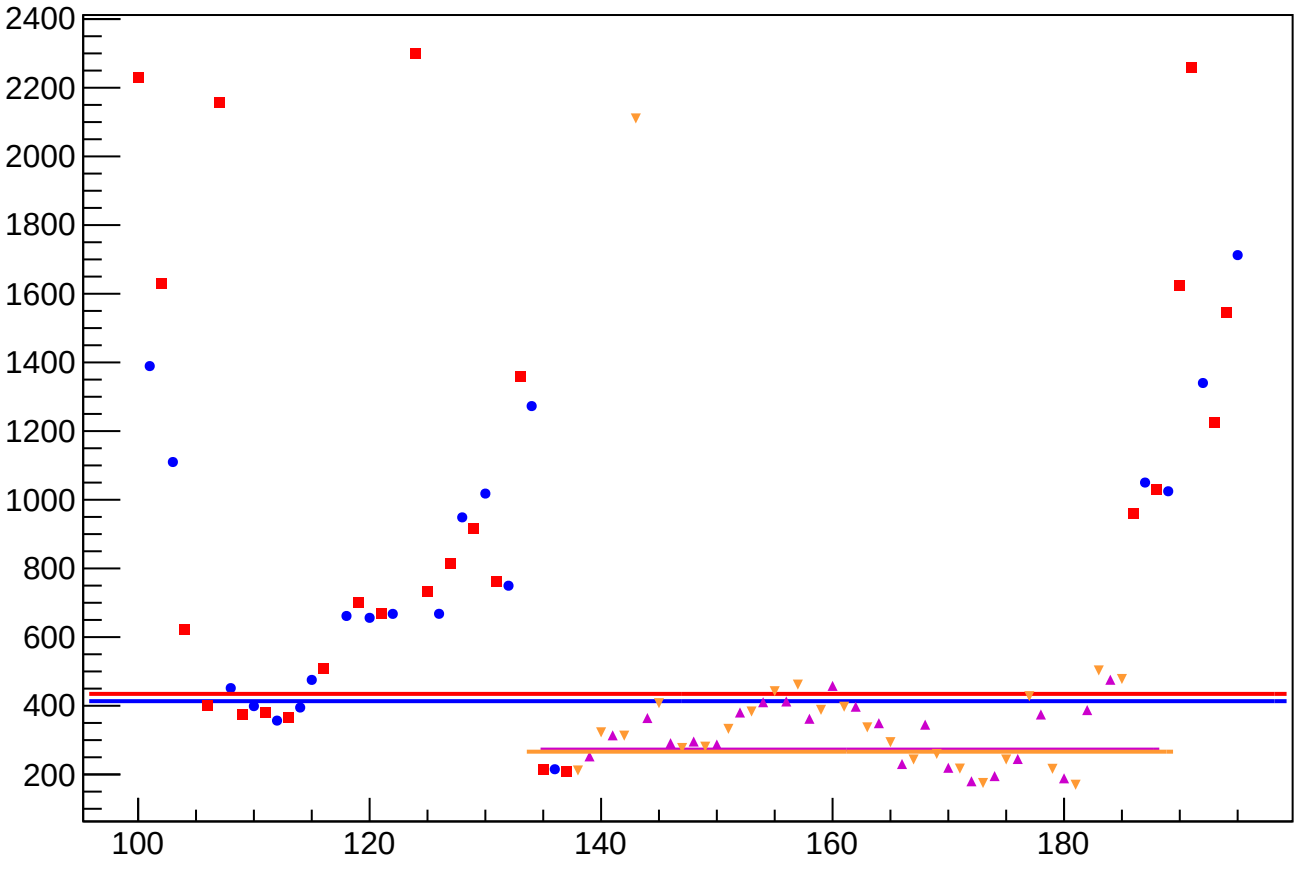
Right: -52.474+/-116.245 χ^2/NDF: 46.2/44

In: 41.019+/-62.065 χ^2/NDF:41.4/42

Out: -66.818+/-60.476 χ^2/NDF:71.3/49

All: -14.297+/-43.314 χ^2/NDF: 114.2/92

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 413.440+/-0.116 χ^2/NDF: 6710494.9/19

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 434.638+/-0.116 χ^2/NDF: 7231996.5/24

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

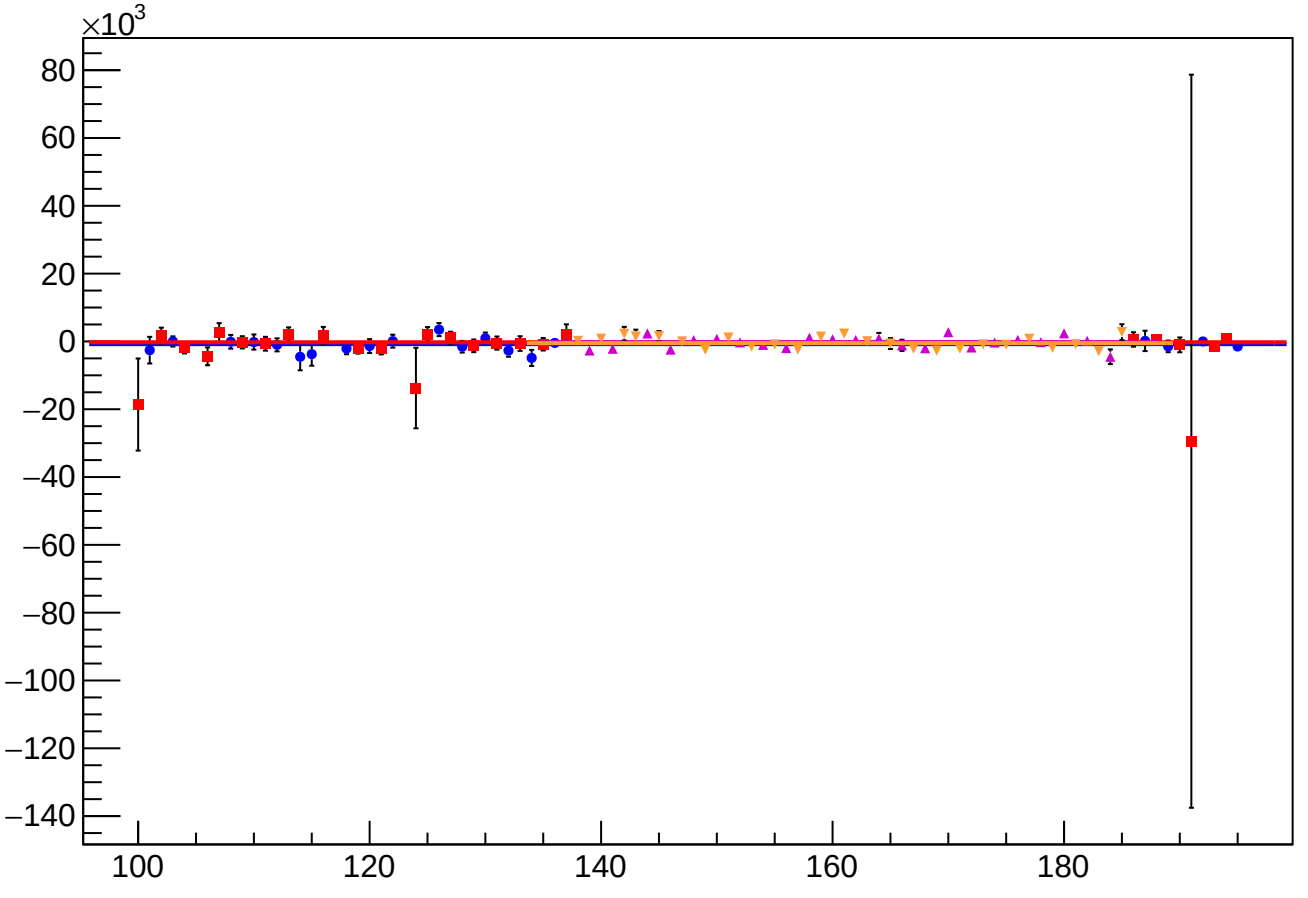
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 424.085+/-0.082 χ^2/NDF: 13959116.7/44

In: 292.388+/-0.044 χ^2/NDF:10856623.6/42

Out: 289.198+/-0.043 χ^2/NDF:13681581.1/49

All: 290.752+/-0.031 χ^2/NDF: 24540916.1/92



Right In: -802.882+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

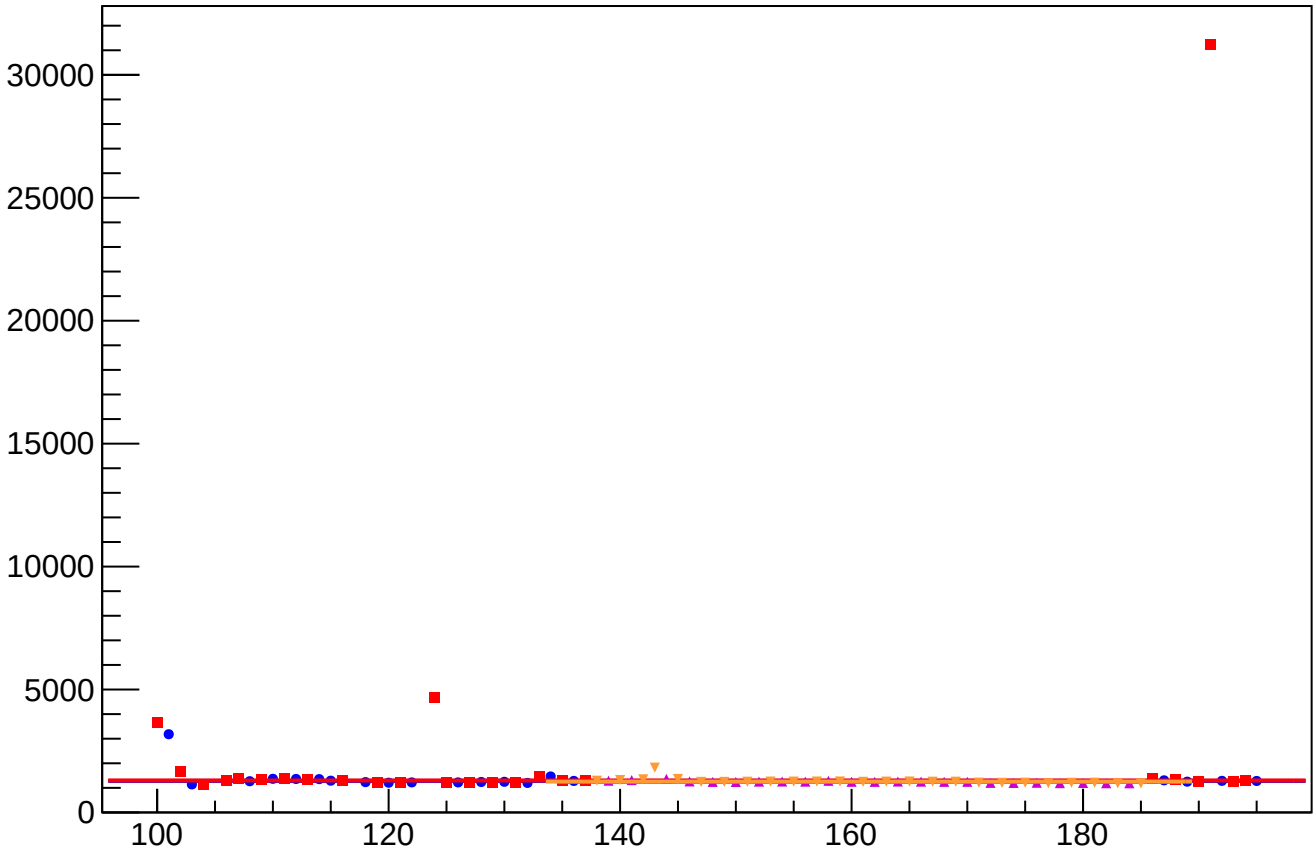
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -513.951+/-288.667 χ^2/NDF: 33.1/44

In: -426.903+/-238.530 χ^2/NDF:47.5/42

Out: -423.754+/-232.805 χ^2/NDF:49.1/49

All: -425.290+/-166.605 χ^2/NDF: 96.6/92



Right In: 1283.970+/-0.294 χ^2/NDF: 518964.3/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

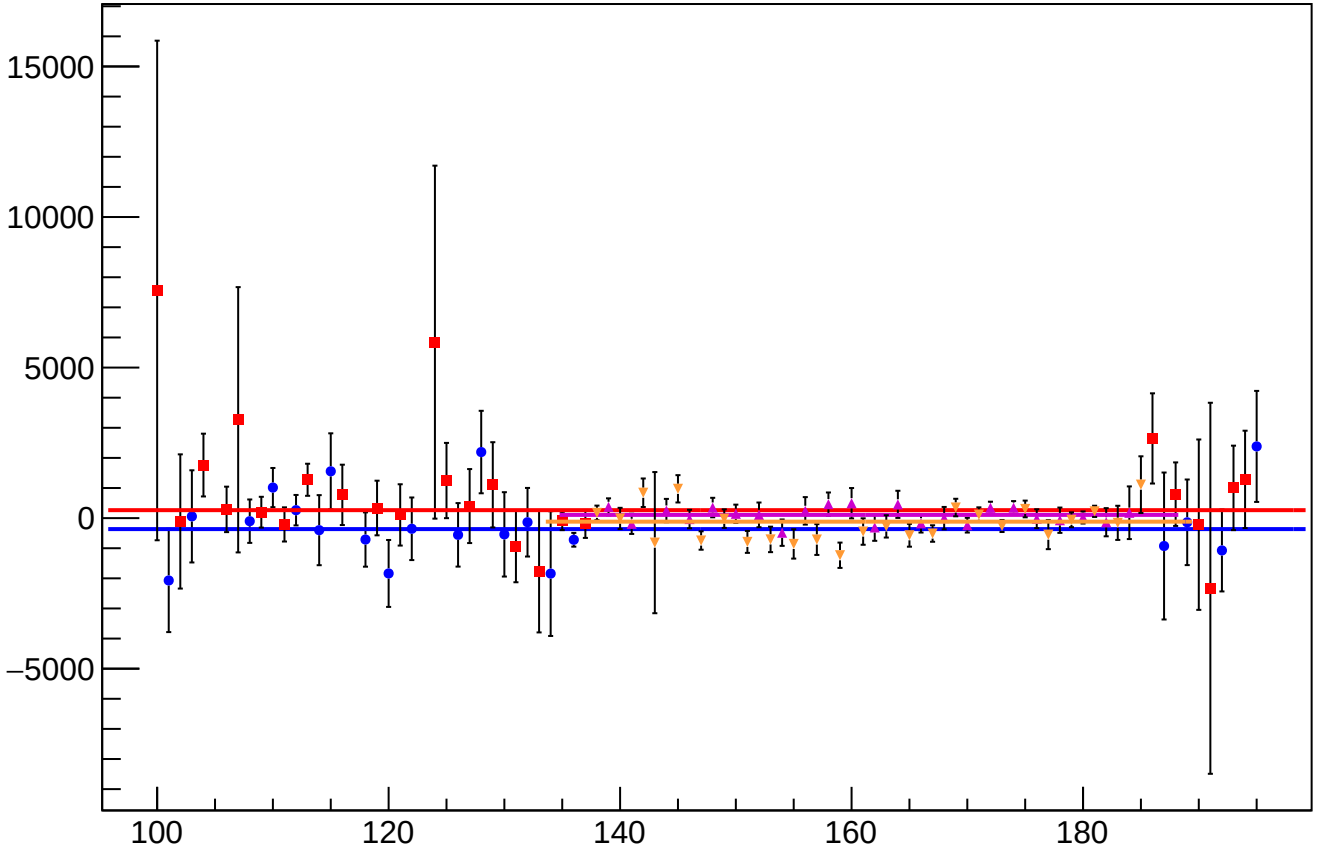
Right: 1292.370+/-0.204 χ^2/NDF: 1009395.4/44

In: 1258.725+/-0.169 χ^2/NDF:569798.9/42

Out: 1270.571+/-0.165 χ^2/NDF:708430.7/49

All: 1264.792+/-0.118 χ^2/NDF: 1280755.9/92

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

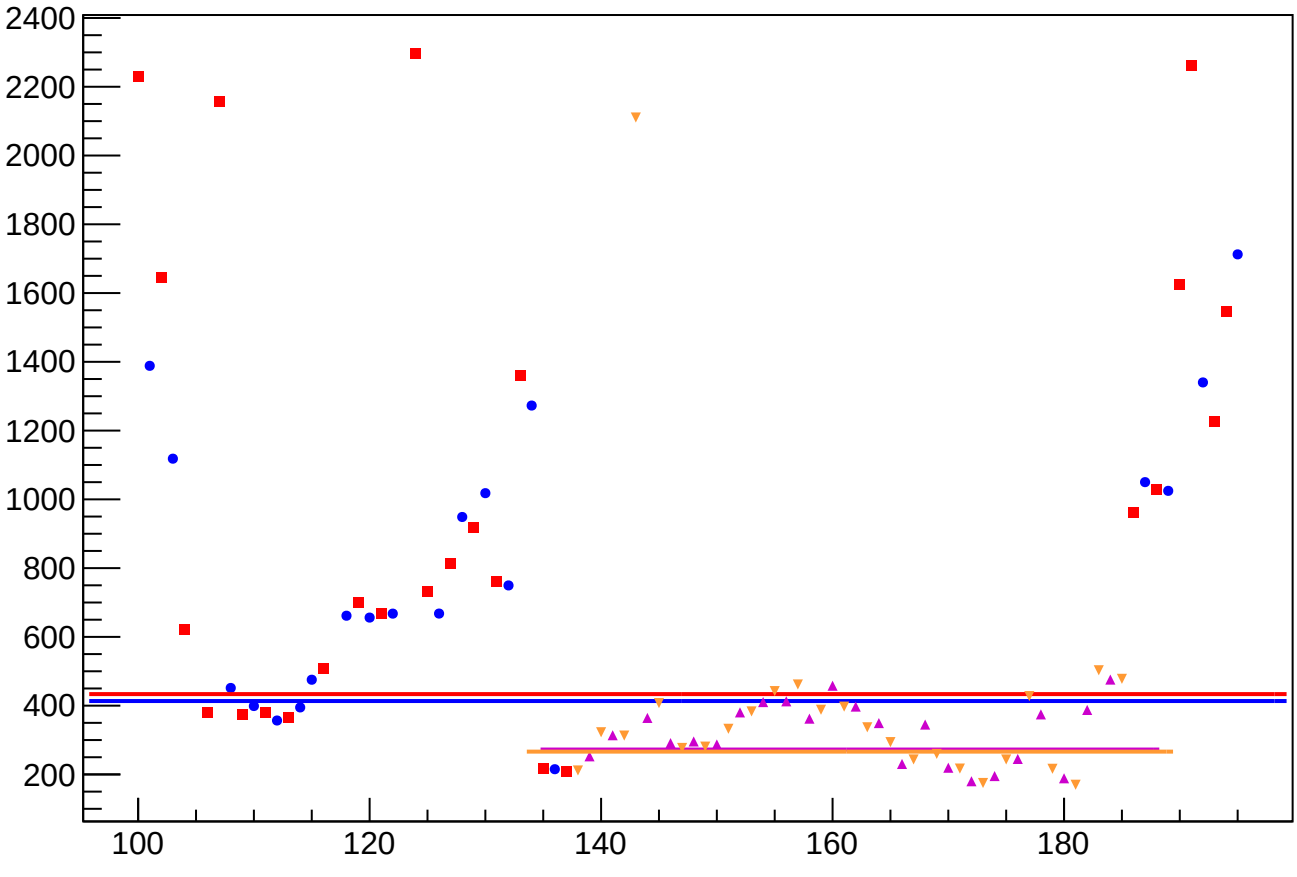
Right: -48.084+/-116.187 χ^2/NDF: 45.7/44

In: 40.525+/-62.067 χ^2/NDF:41.3/42

Out: -65.035+/-60.468 χ^2/NDF:71.0/49

All: -13.632+/-43.312 χ^2/NDF: 113.7/92

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

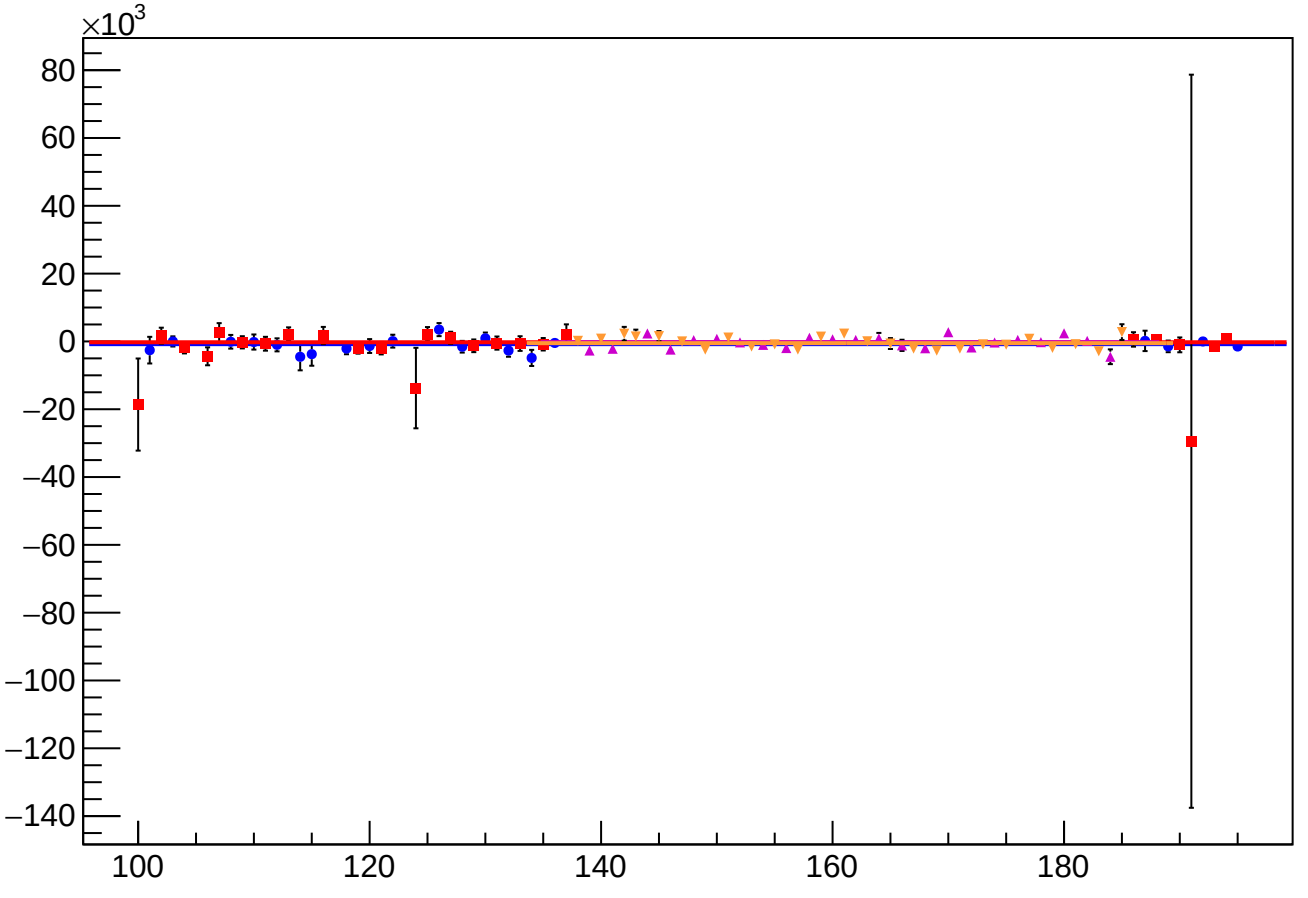
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 423.599+/-0.082 χ^2/NDF: 13973558.9/44

In: 292.394+/-0.044 χ^2/NDF:10859134.3/42

Out: 289.112+/-0.043 χ^2/NDF:13676294.6/49

All: 290.710+/-0.031 χ^2/NDF: 24538298.3/92



Right In: -802.882+/-415.939 χ^2/NDF: 14.3/19

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

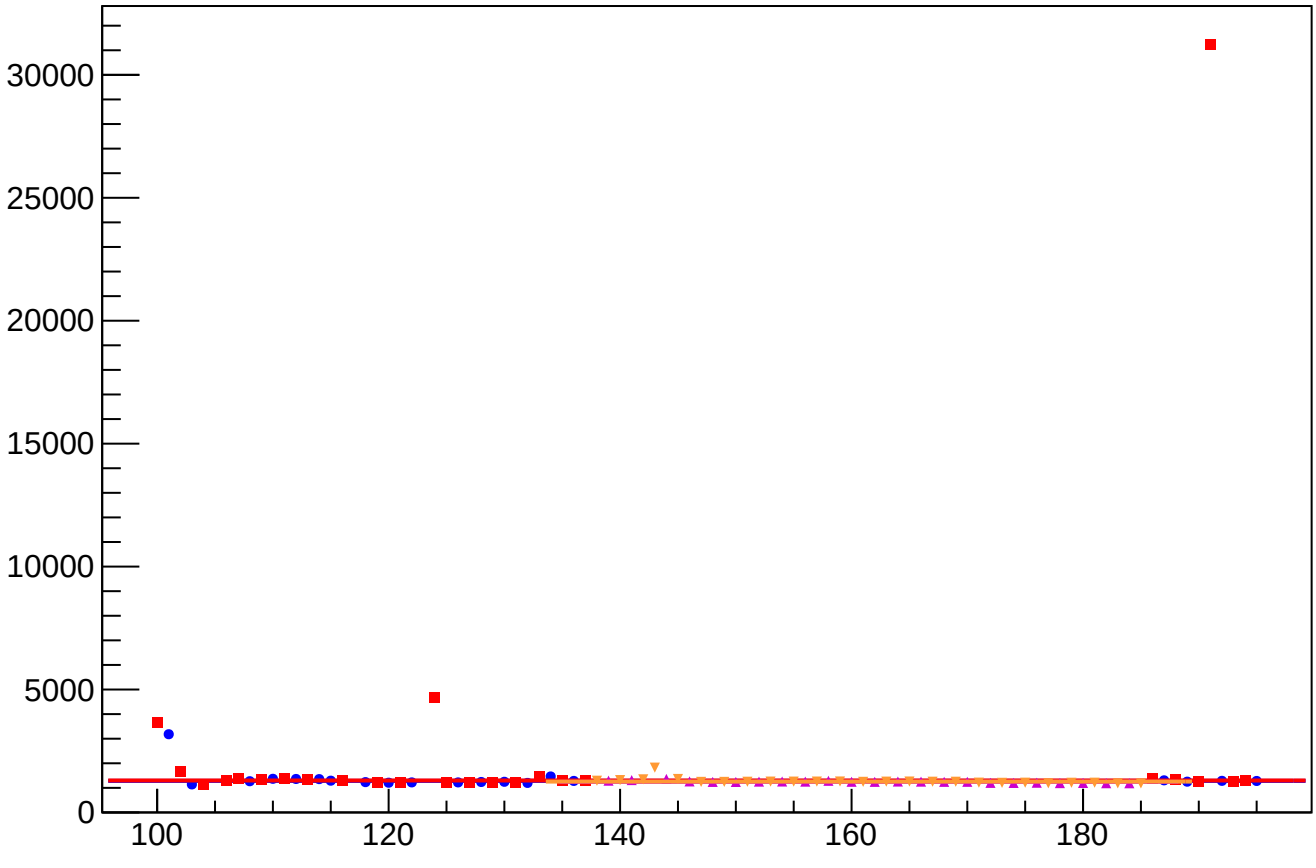
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -513.951+/-288.667 χ^2/NDF: 33.1/44

In: -426.903+/-238.530 χ^2/NDF:47.5/42

Out: -423.754+/-232.805 χ^2/NDF:49.1/49

All: -425.290+/-166.605 χ^2/NDF: 96.6/92



Right In: 1283.970+/-0.294 χ^2/NDF: 518964.3/19

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

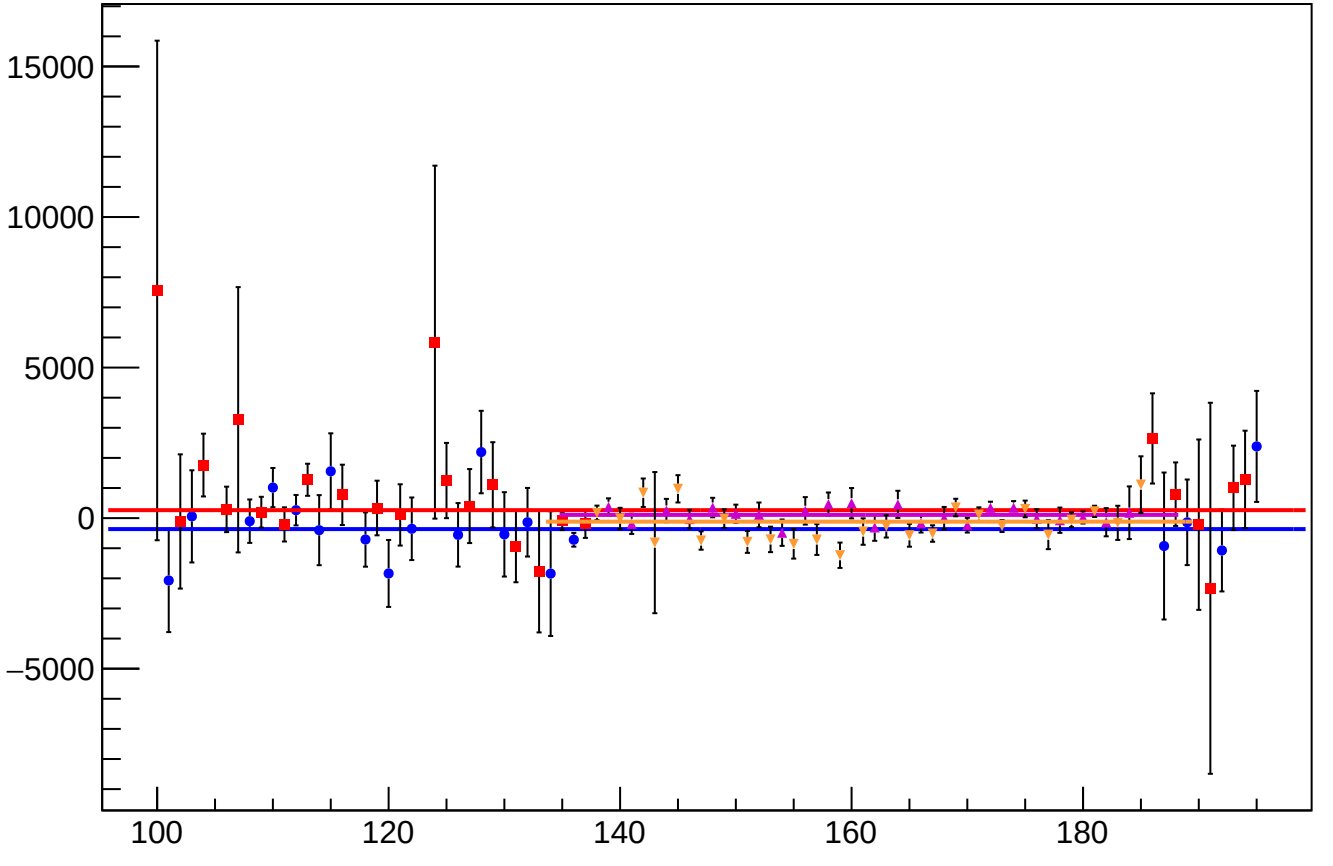
Right: 1292.370+/-0.204 χ^2/NDF: 1009395.4/44

In: 1258.725+/-0.169 χ^2/NDF:569798.9/42

Out: 1270.571+/-0.165 χ^2/NDF:708430.7/49

All: 1264.792+/-0.118 χ^2/NDF: 1280755.9/92

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.257+/-164.770 χ^2/NDF: 20.5/19

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

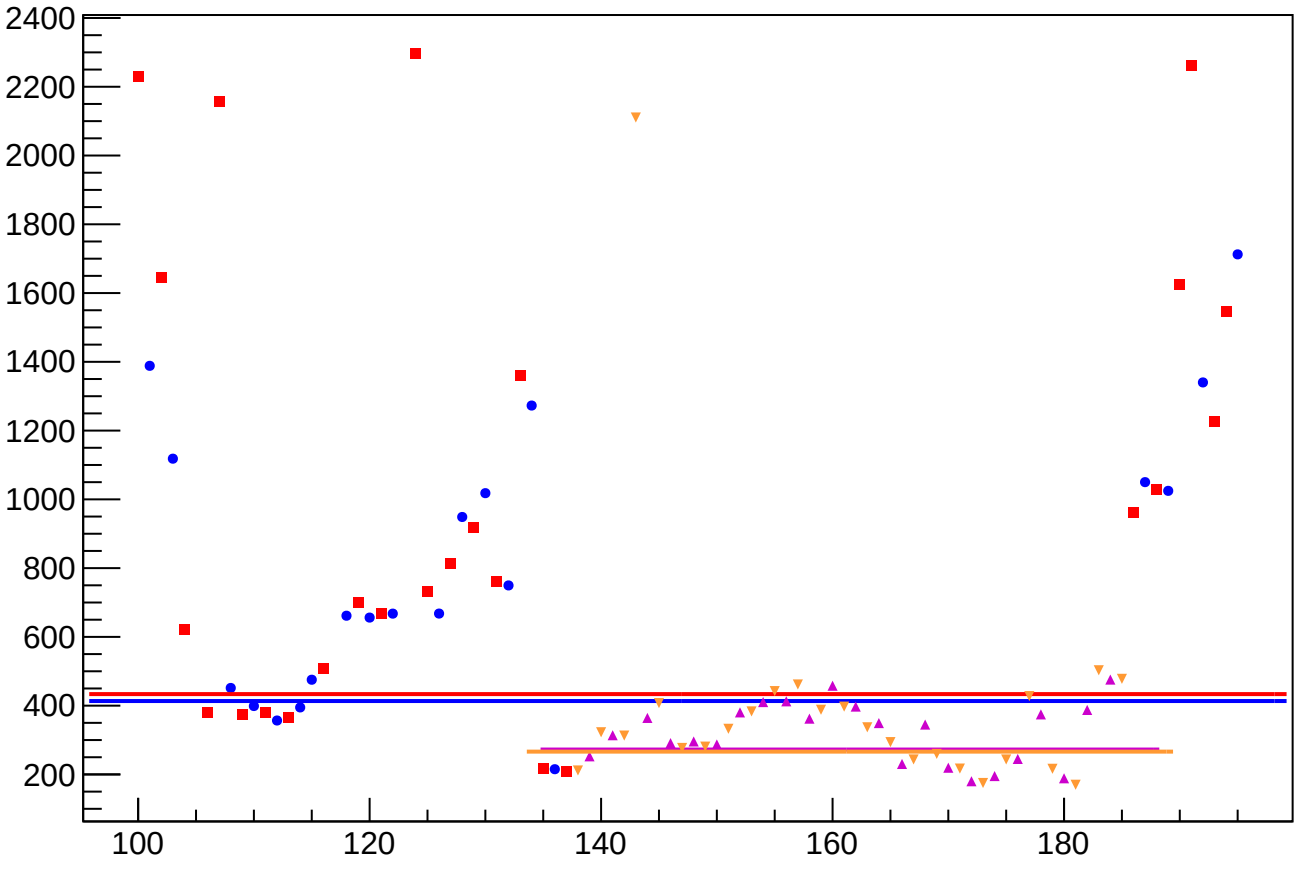
Right: -48.084+/-116.187 χ^2/NDF: 45.7/44

In: 40.525+/-62.067 χ^2/NDF:41.3/42

Out: -65.035+/-60.468 χ^2/NDF:71.0/49

All: -13.632+/-43.312 χ^2/NDF: 113.7/92

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 413.440+/-0.117 χ^2/NDF: 6713661.0/19

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

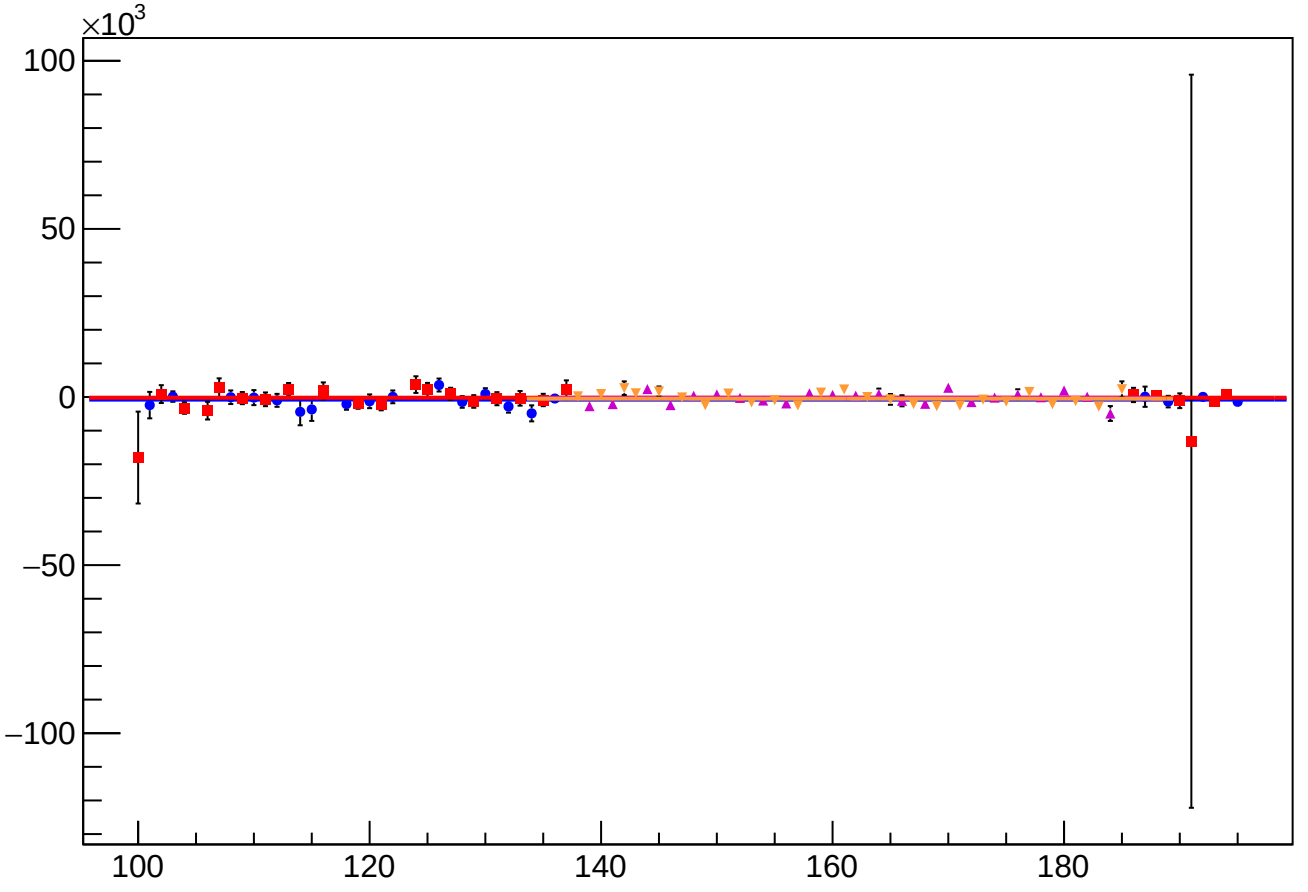
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 423.599+/-0.082 χ^2/NDF: 13973558.9/44

In: 292.394+/-0.044 χ^2/NDF:10859134.3/42

Out: 289.112+/-0.043 χ^2/NDF:13676294.6/49

All: 290.710+/-0.031 χ^2/NDF: 24538298.3/92



Right In: -767.806+/-417.551 χ^2/NDF: 14.4/19

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -206.473+/-399.026 χ^2/NDF: 19.8/24

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

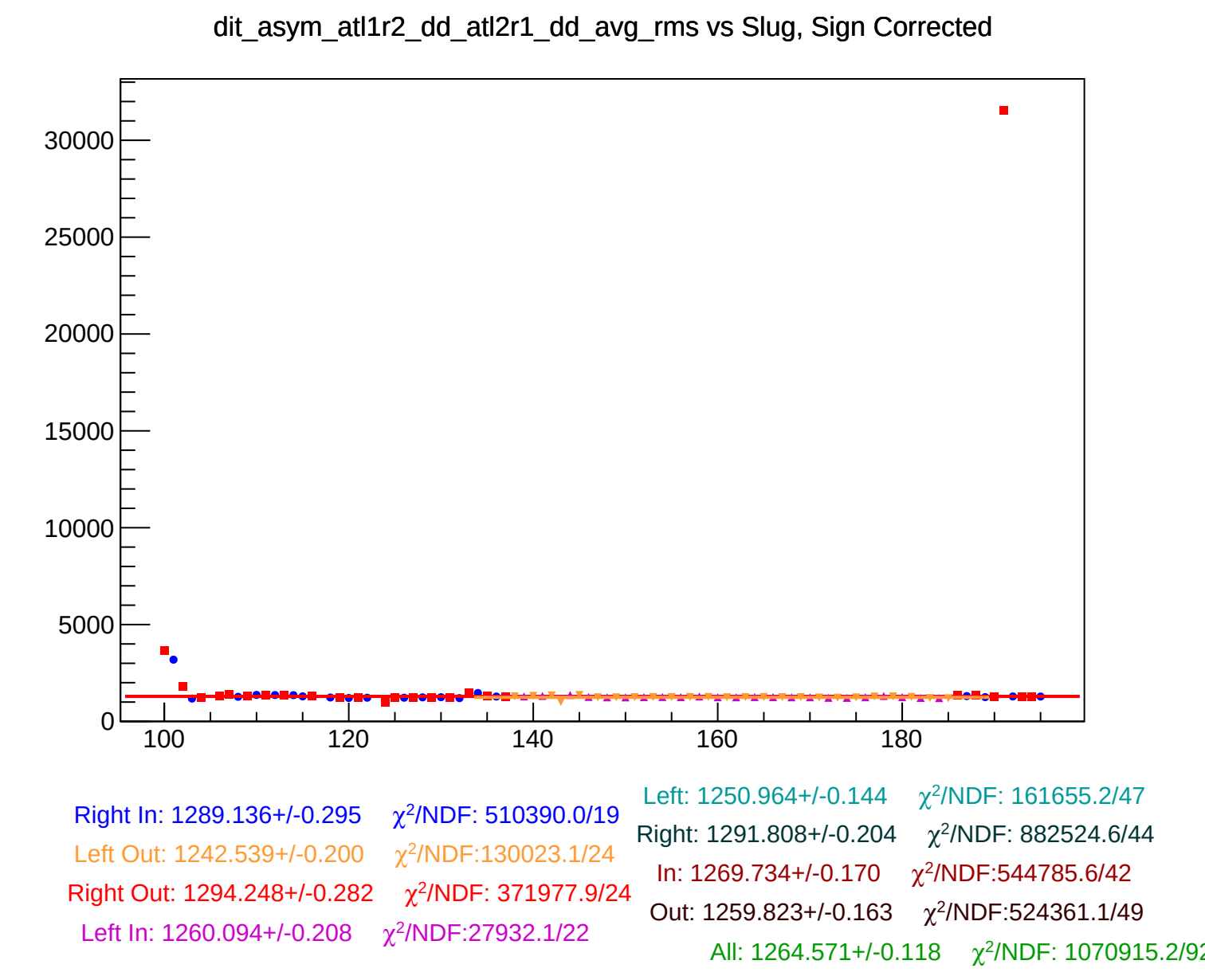
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -474.412+/-288.481 χ^2/NDF: 35.2/44

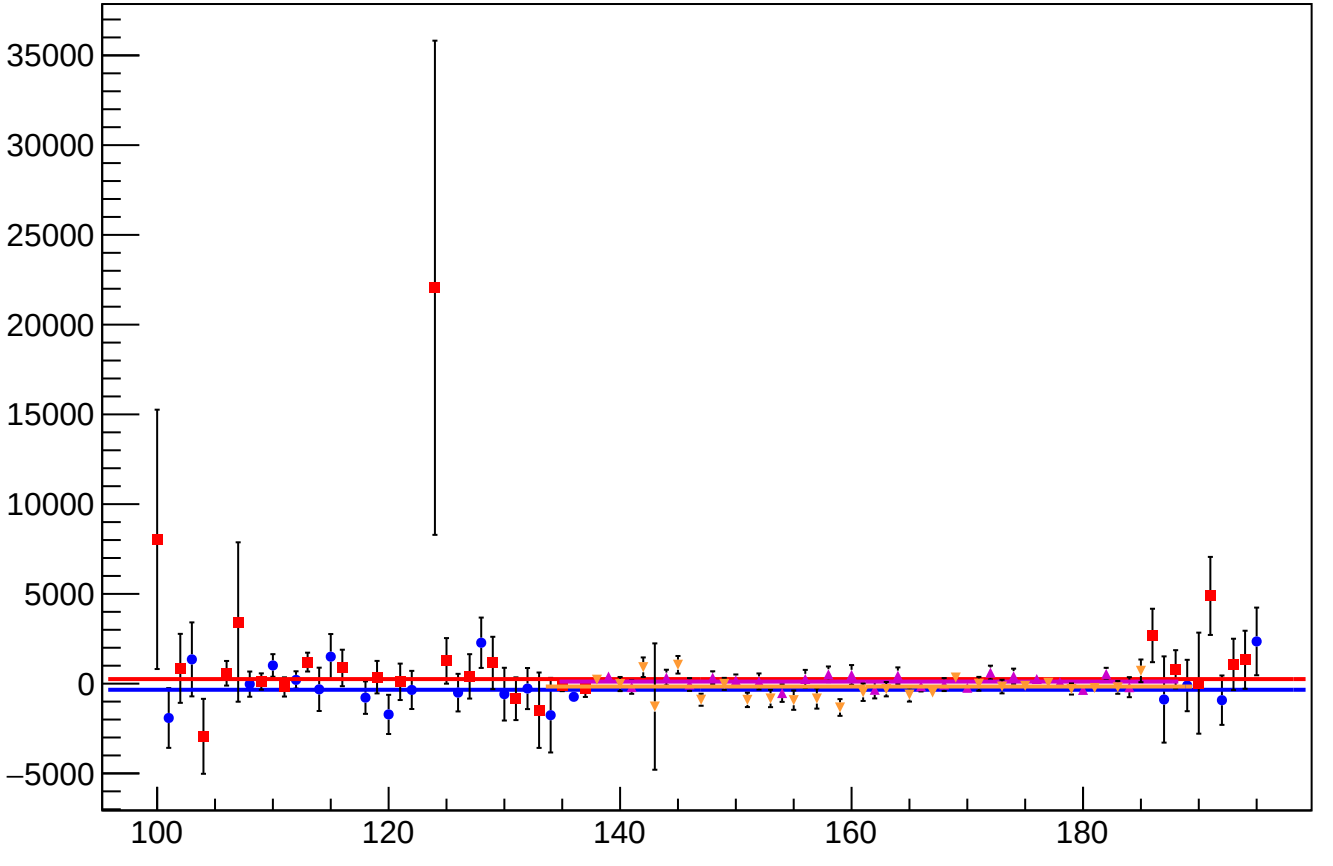
In: -416.548+/-240.575 χ^2/NDF:46.2/42

Out: -397.519+/-230.693 χ^2/NDF:54.4/49

All: -406.635+/-166.509 χ^2/NDF: 100.5/92


dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
100
120
140
160
180
Right In: 1289.136+/-0.295 χ²/NDF: 510390.0/19
Left Out: 1242.539+/-0.200 χ²/NDF:130023.1/24
Right Out: 1294.248+/-0.282 χ²/NDF: 371977.9/24
Left In: 1260.094+/-0.208 χ²/NDF:27932.1/22
Left: 1250.964+/-0.144 χ²/NDF: 161655.2/47
Right: 1291.808+/-0.204 χ²/NDF: 882524.6/44
In: 1269.734+/-0.170 χ²/NDF:544785.6/42
Out: 1259.823+/-0.163 χ²/NDF:524361.1/49
All: 1264.571+/-0.118 χ²/NDF: 1070915.2/92

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -341.534+/-166.469 χ^2/NDF: 20.7/19

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 254.066+/-163.779 χ^2/NDF: 24.4/24

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

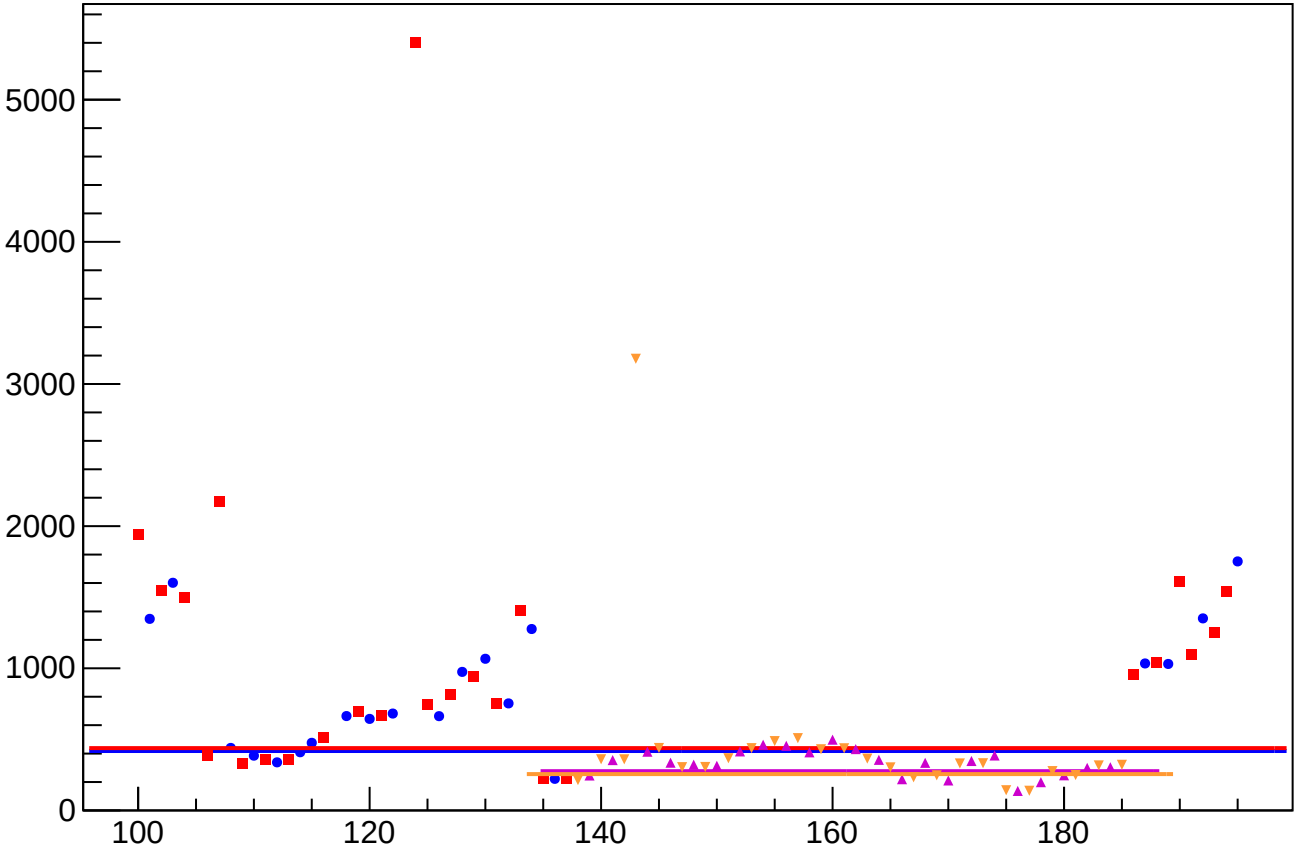
Right: -38.884+/-116.749 χ^2/NDF: 51.6/44

In: 47.238+/-63.616 χ^2/NDF:45.3/42

Out: -105.756+/-59.718 χ^2/NDF:73.7/49

All: -34.090+/-43.540 χ^2/NDF: 122.1/92

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 418.165+/-0.118 χ^2/NDF: 6831387.5/19

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 438.524+/-0.116 χ^2/NDF: 7753440.7/24

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

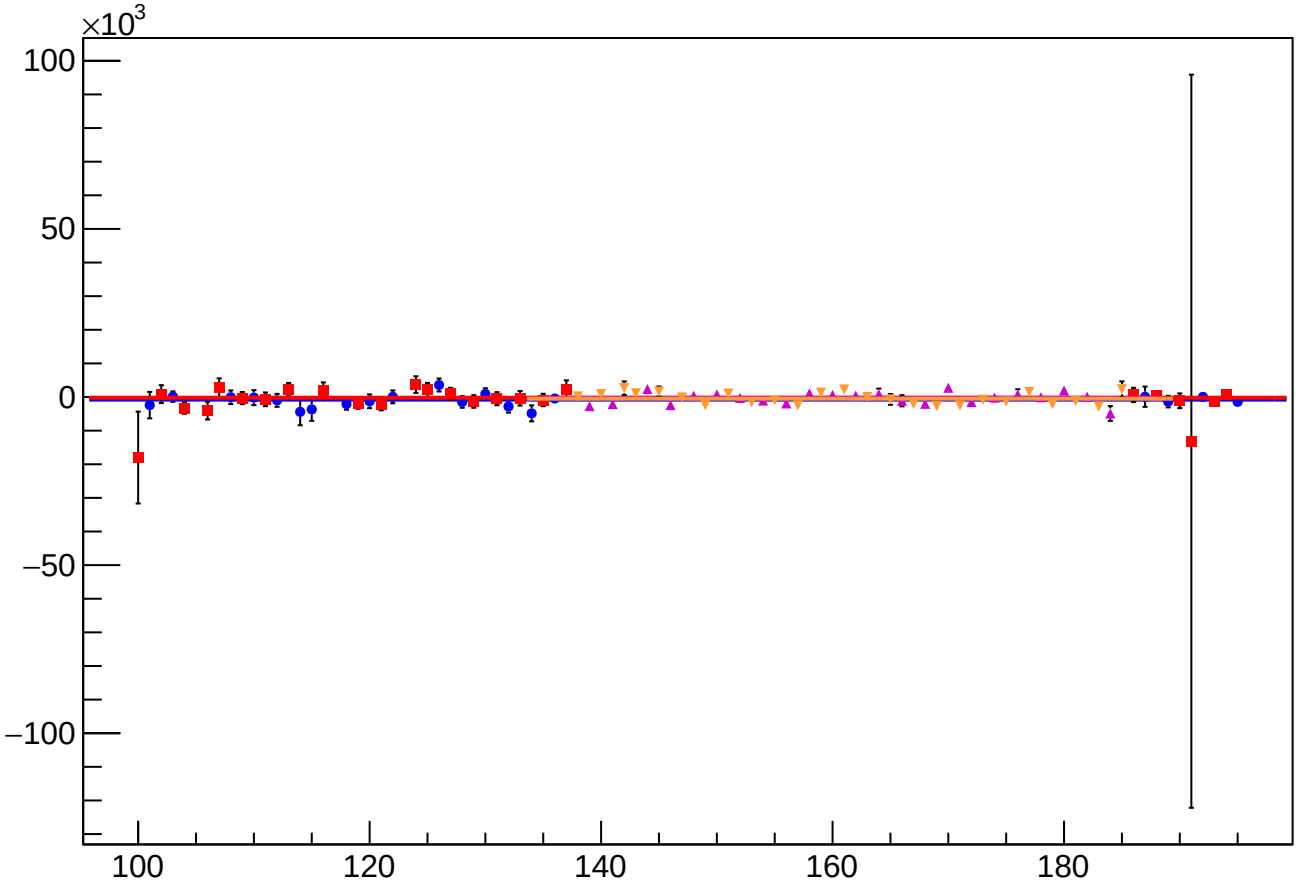
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 428.510+/-0.083 χ^2/NDF: 14600028.2/44

In: 297.016+/-0.045 χ^2/NDF:12099204.9/42

Out: 280.065+/-0.042 χ^2/NDF:16286591.4/49

All: 288.006+/-0.031 χ^2/NDF: 28461278.8/92



Right In: -767.808+/-417.551 χ^2/NDF: 14.4/19

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -206.473+/-399.026 χ^2/NDF: 19.8/24

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

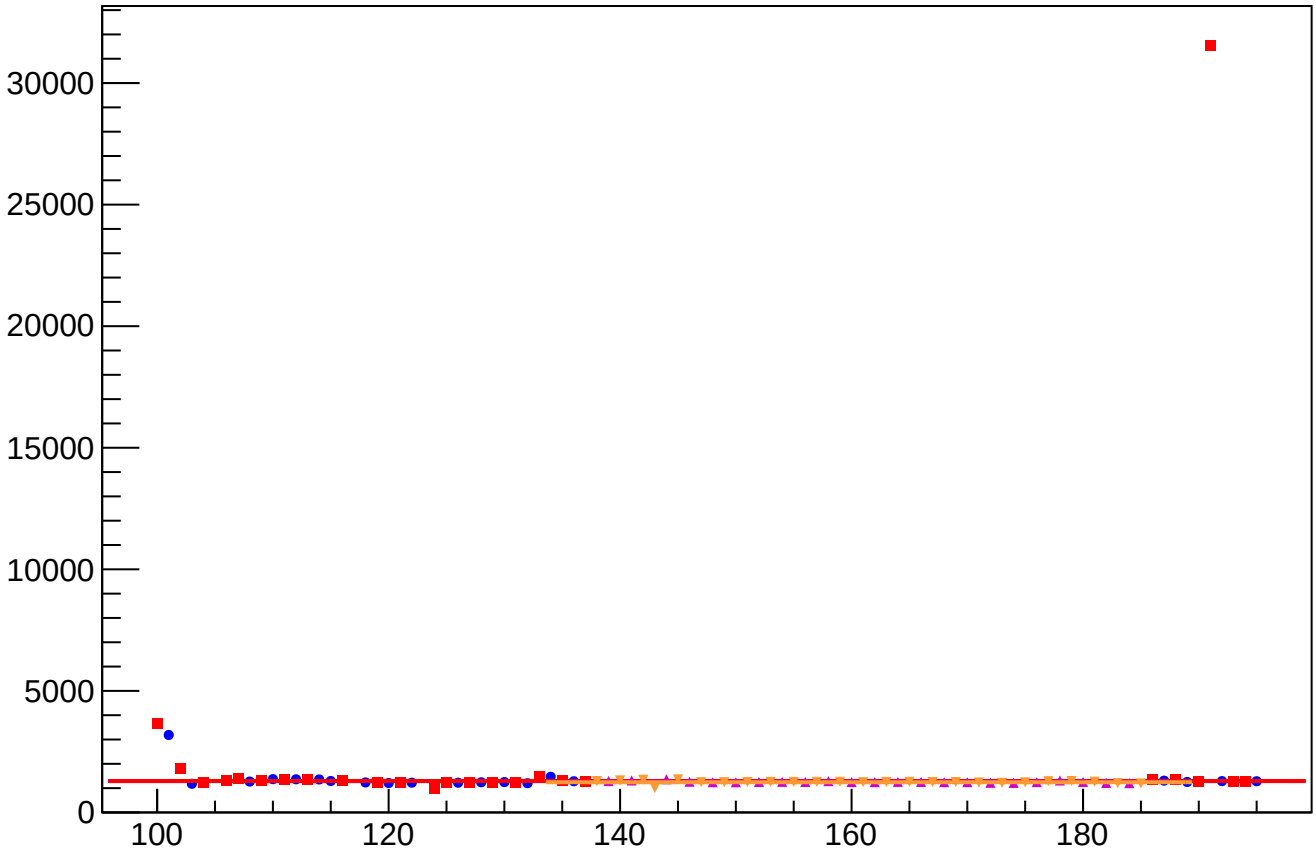
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -474.413+/-288.481 χ^2/NDF: 35.2/44

In: -416.549+/-240.575 χ^2/NDF:46.2/42

Out: -397.519+/-230.693 χ^2/NDF:54.4/49

All: -406.635+/-166.509 χ^2/NDF: 100.5/92



Right In: 1289.136+/-0.295 χ^2/NDF: 510390.0/19

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1294.248+/-0.282 χ^2/NDF: 371978.2/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

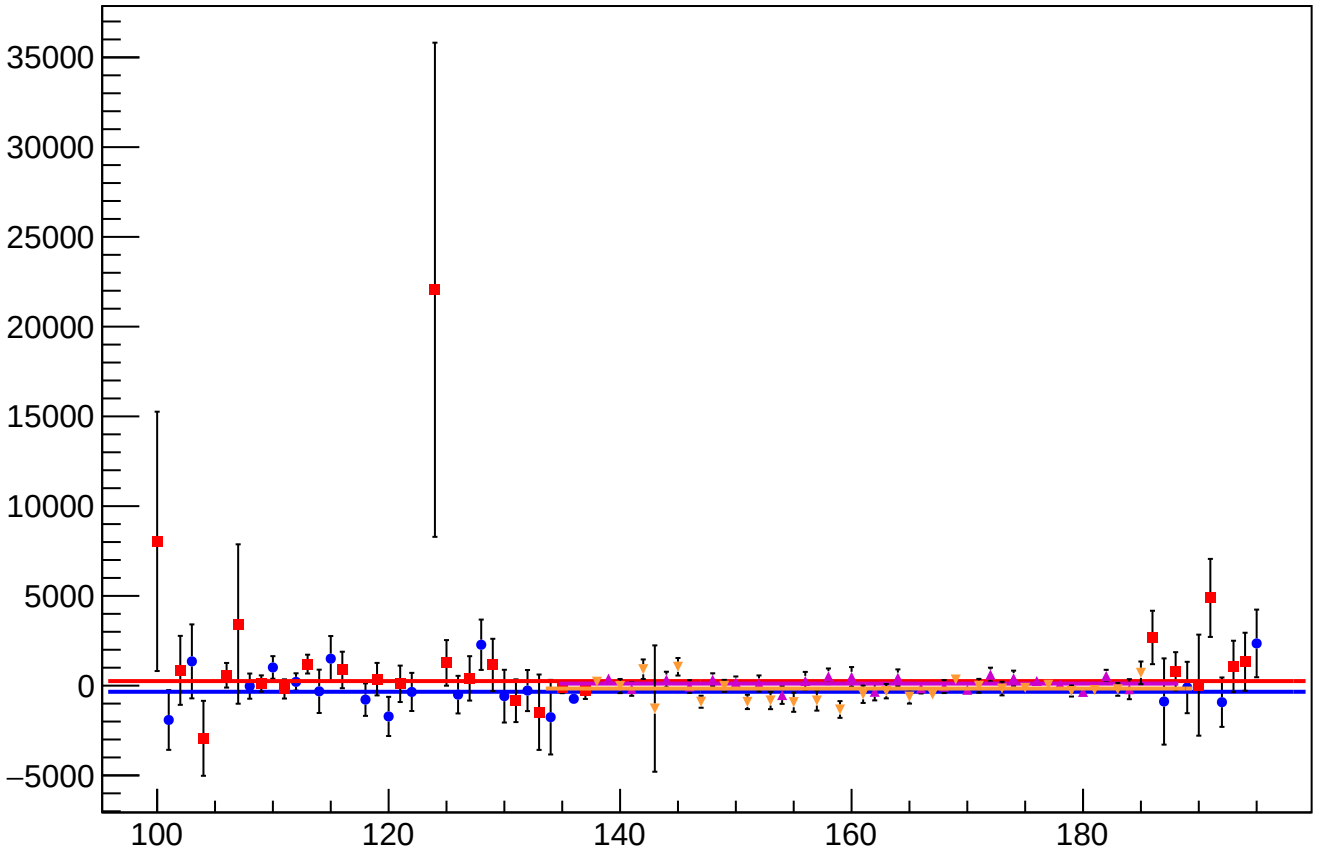
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1291.808+/-0.204 χ^2/NDF: 882524.9/44

In: 1269.734+/-0.170 χ^2/NDF:544785.7/42

Out: 1259.823+/-0.163 χ^2/NDF:524360.5/49

All: 1264.571+/-0.118 χ^2/NDF: 1070914.7/92



Right In: -341.534+/-166.472 χ^2/NDF: 20.7/19

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 254.074+/-163.781 χ^2/NDF: 24.4/24

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

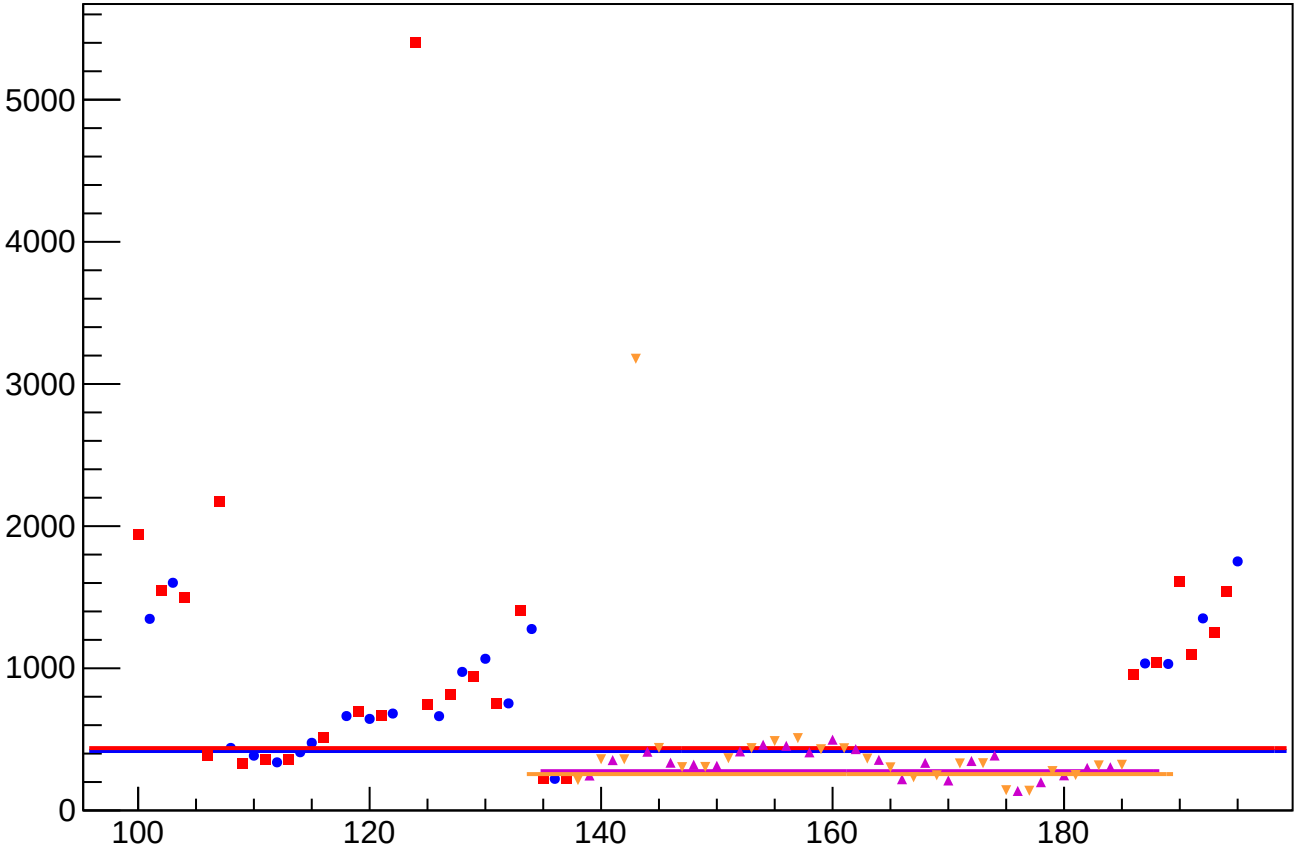
Right: -38.878+/-116.750 χ^2/NDF: 51.6/44

In: 47.238+/-63.616 χ^2/NDF:45.3/42

Out: -105.759+/-59.718 χ^2/NDF:73.7/49

All: -34.091+/-43.540 χ^2/NDF: 122.1/92

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 418.176+/-0.118 χ^2/NDF: 6831147.2/19

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 438.532+/-0.116 χ^2/NDF: 7753231.8/24

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

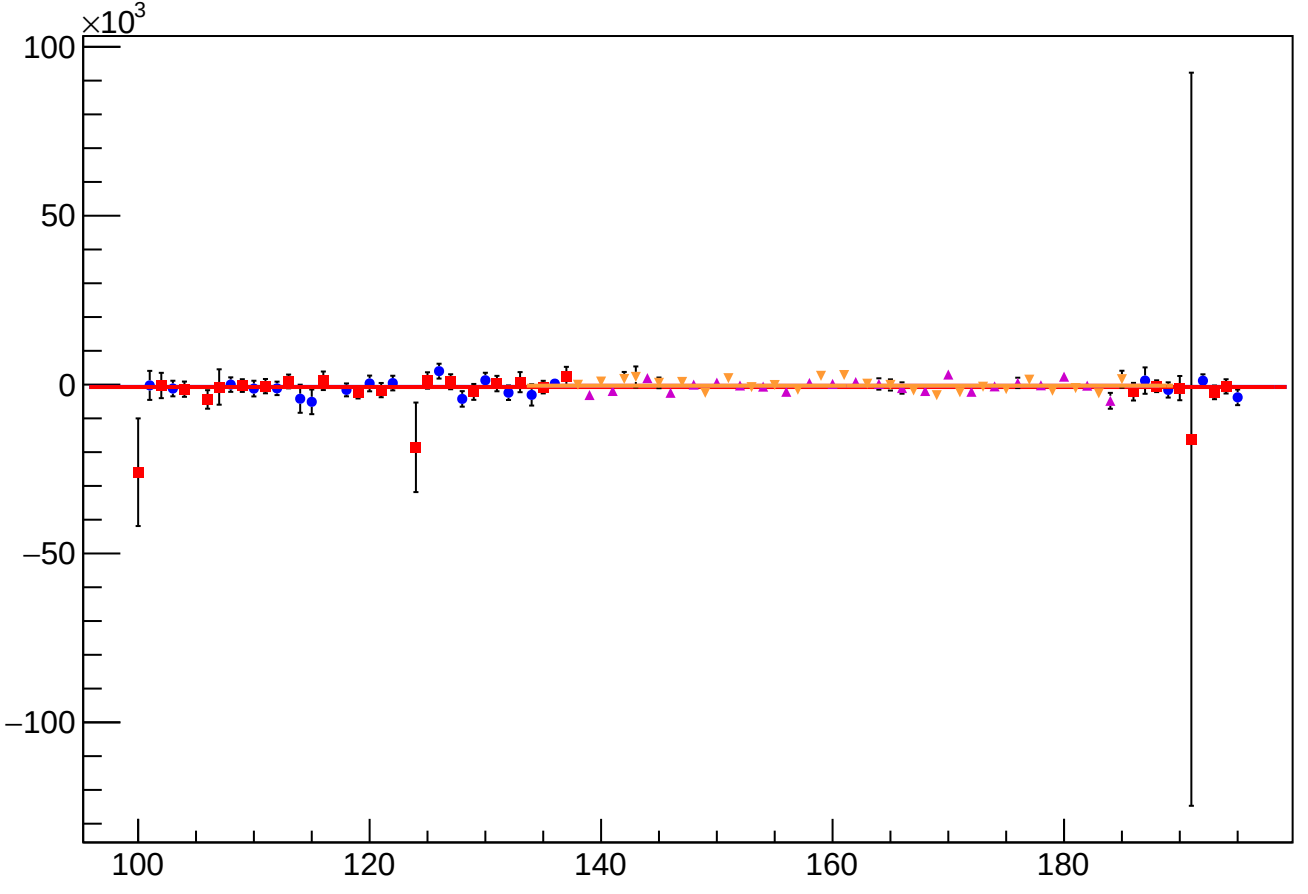
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 428.520+/-0.083 χ^2/NDF: 14599575.3/44

In: 297.018+/-0.045 χ^2/NDF:12099071.2/42

Out: 280.067+/-0.042 χ^2/NDF:16286409.1/49

All: 288.007+/-0.031 χ^2/NDF: 28460958.2/92



Right In: -678.813+/-508.359 χ^2/NDF: 15.6/19

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -724.004+/-491.743 χ^2/NDF: 12.3/24

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

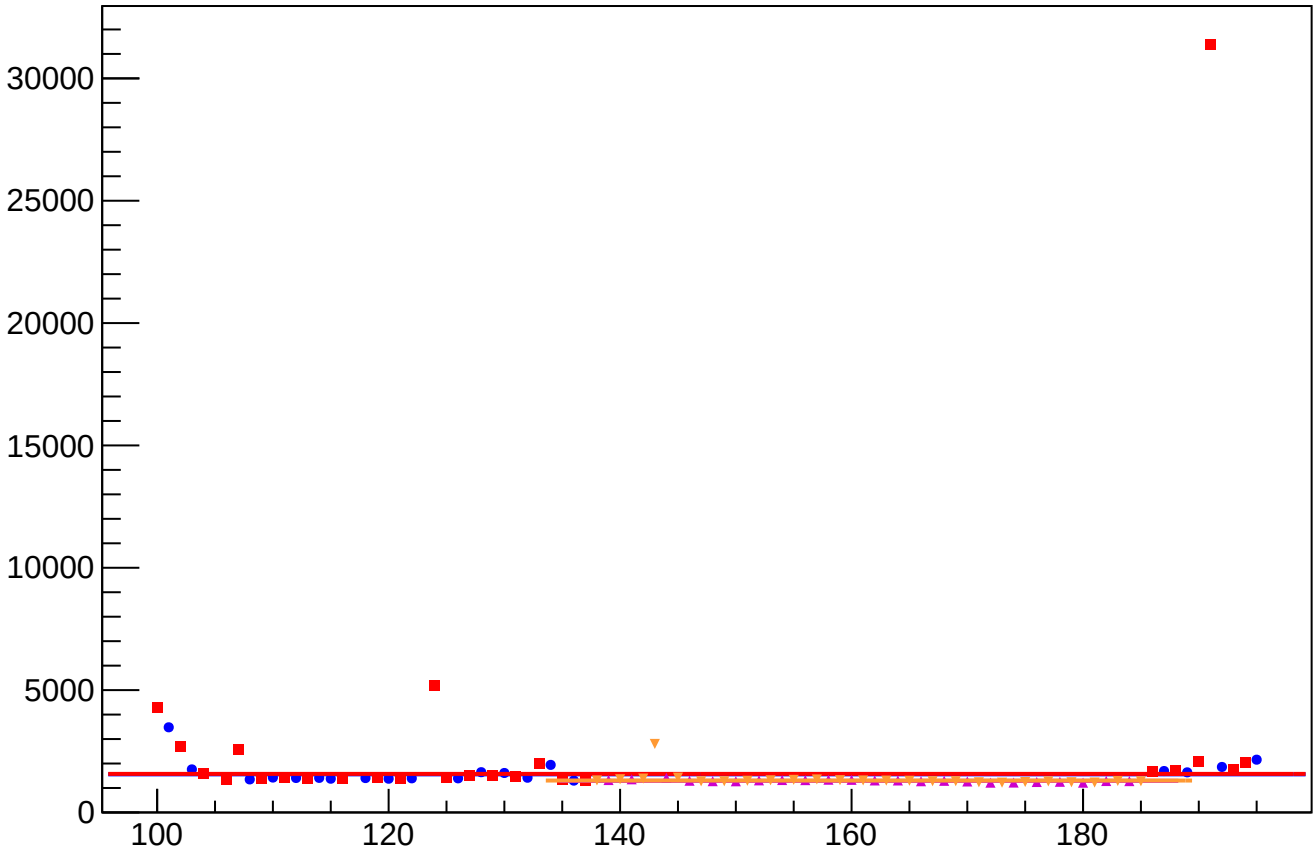
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -702.159+/-353.443 χ^2/NDF: 28.0/44

In: -440.454+/-259.578 χ^2/NDF:45.6/42

Out: -428.473+/-255.024 χ^2/NDF:44.4/49

All: -434.357+/-181.918 χ^2/NDF: 90.0/92



Right In: 1556.304+/-0.359 χ^2/NDF: 807782.1/19

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1576.180+/-0.348 χ^2/NDF: 975572.1/24

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

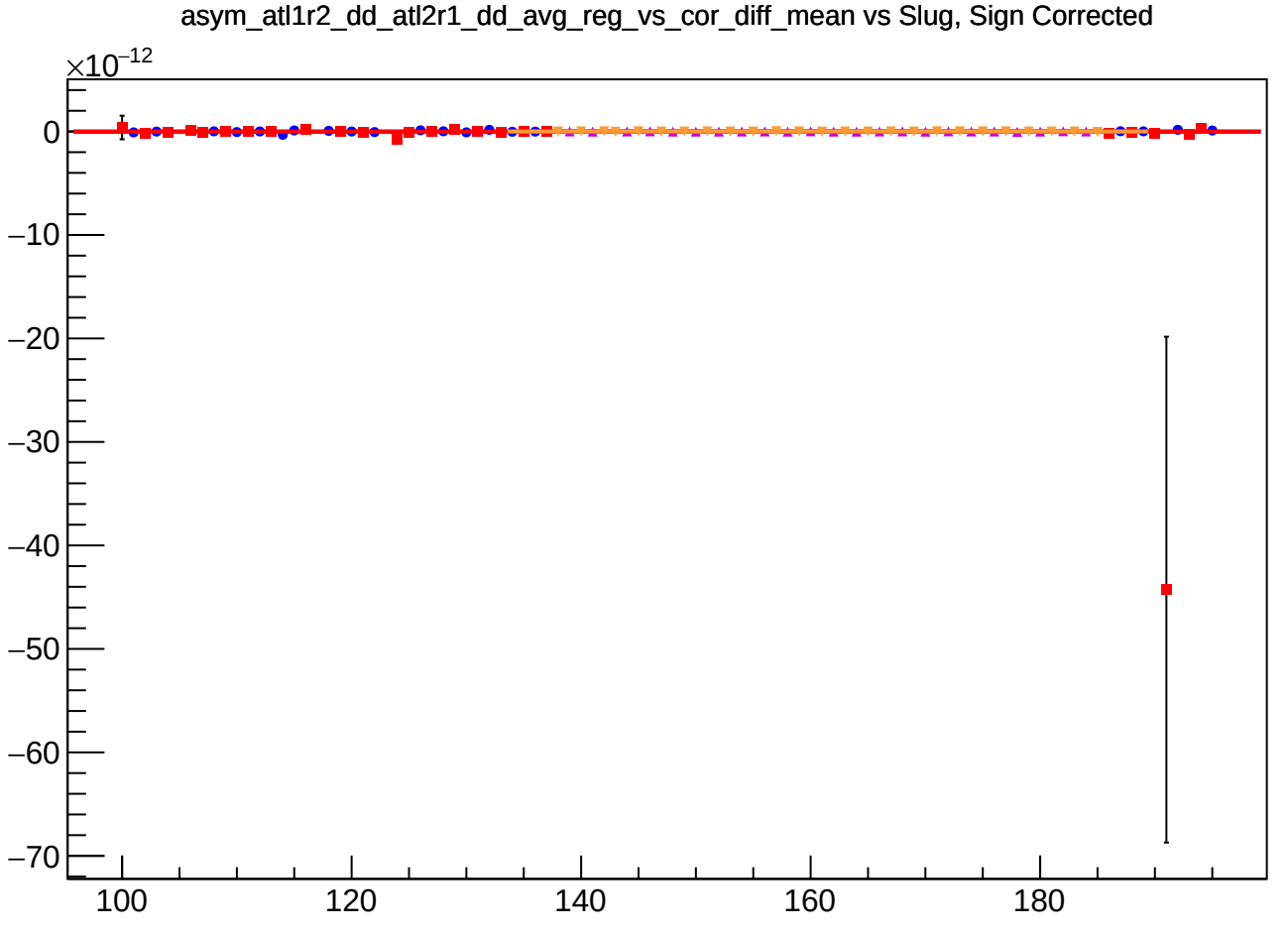
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1566.572+/-0.250 χ^2/NDF: 1784933.6/44

In: 1361.004+/-0.184 χ^2/NDF:1255422.4/42

Out: 1377.320+/-0.180 χ^2/NDF:1942596.5/49

All: 1369.306+/-0.129 χ^2/NDF: 3202039.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/24

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: 42.4/44

In: -0.000+/-0.000 χ^2/NDF:42.3/42

Out: -0.000+/-0.000 χ^2/NDF:58.5/49

All: -0.000+/-0.000 χ^2/NDF: 101.2/92

Right In: 0.000+/-0.000 χ^2/NDF: 4556088.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5914951.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

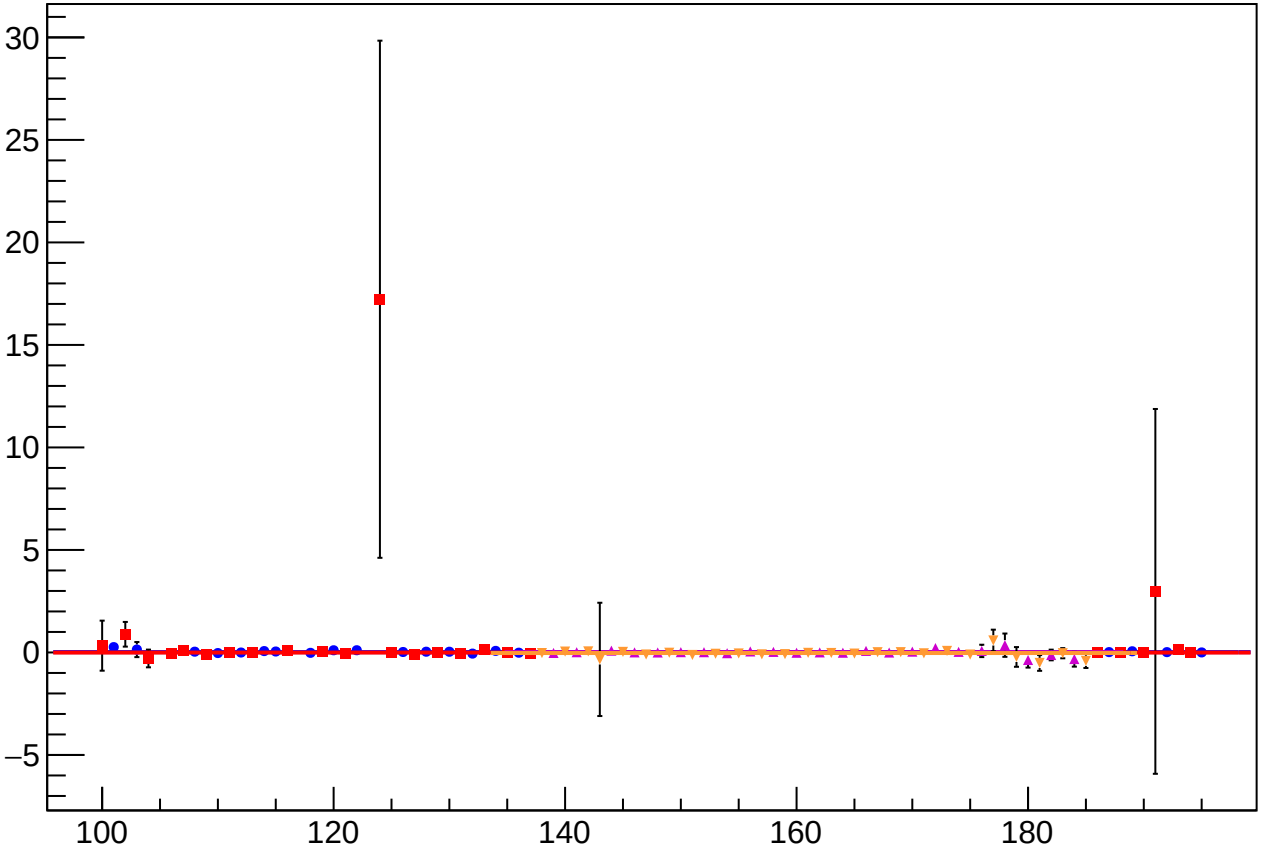
Right: 0.000+/-0.000 χ^2/NDF: 10475492.1/44

In: 0.000+/-0.000 χ^2/NDF:7012564.9/42

Out: 0.000+/-0.000 χ^2/NDF:9346577.5/49

All: 0.000+/-0.000 χ^2/NDF: 16385143.4/92

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

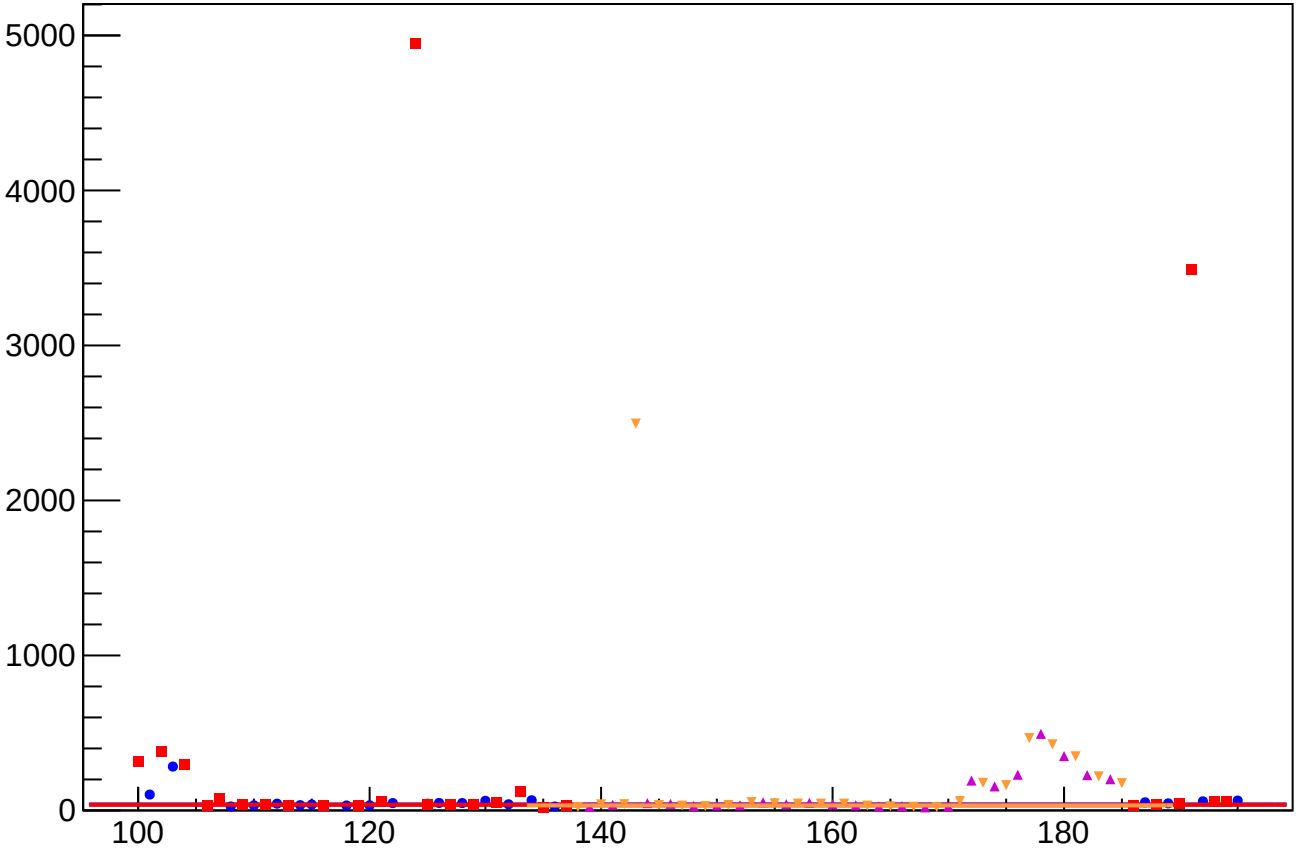
Right: 0.005+/-0.010 χ^2/NDF: 33.3/44

In: 0.013+/-0.008 χ^2/NDF:25.2/42

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/92

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

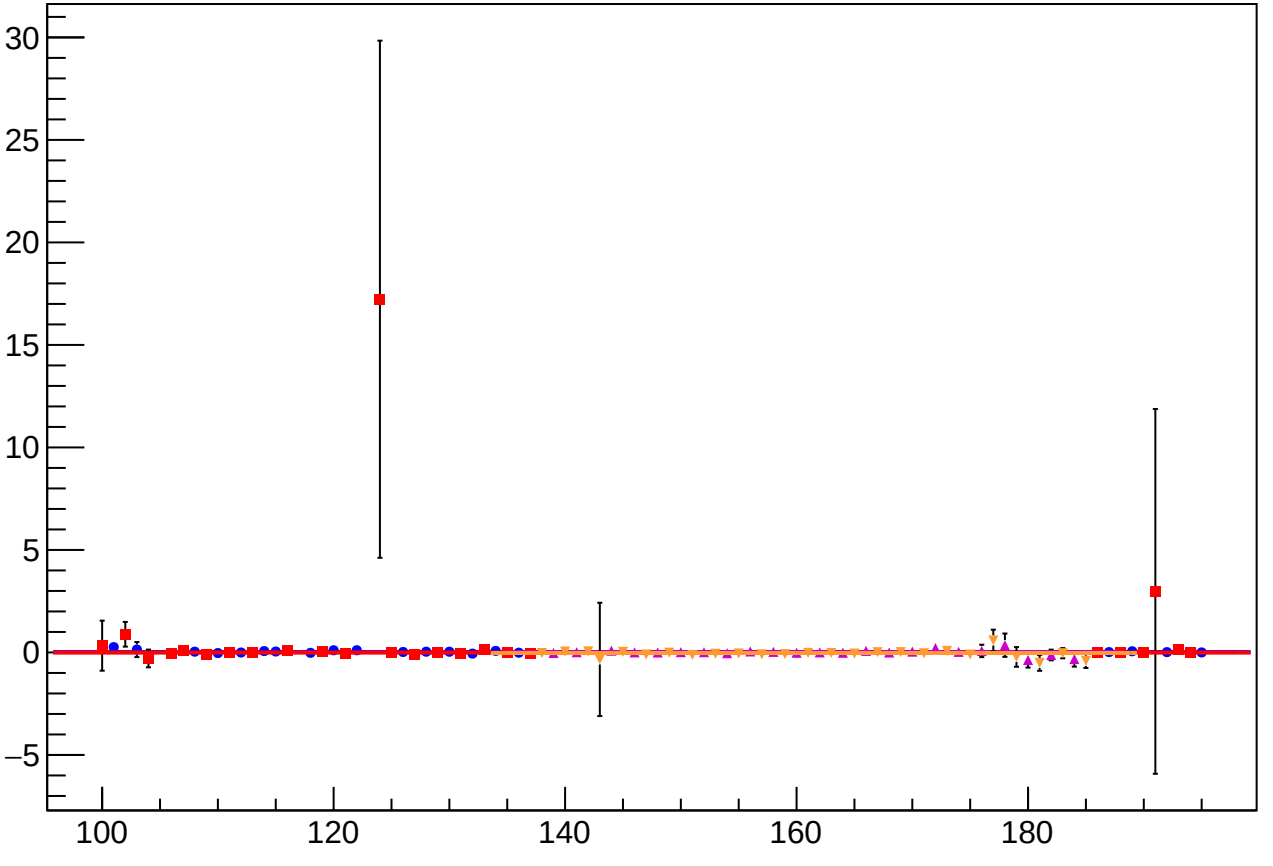
Right: 37.640+/-0.007 χ^2/NDF: 6591794.0/44

In: 34.503+/-0.006 χ^2/NDF:11987257.6/42

Out: 34.014+/-0.005 χ^2/NDF:14791458.8/49

All: 34.253+/-0.004 χ^2/NDF: 26782613.2/92

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

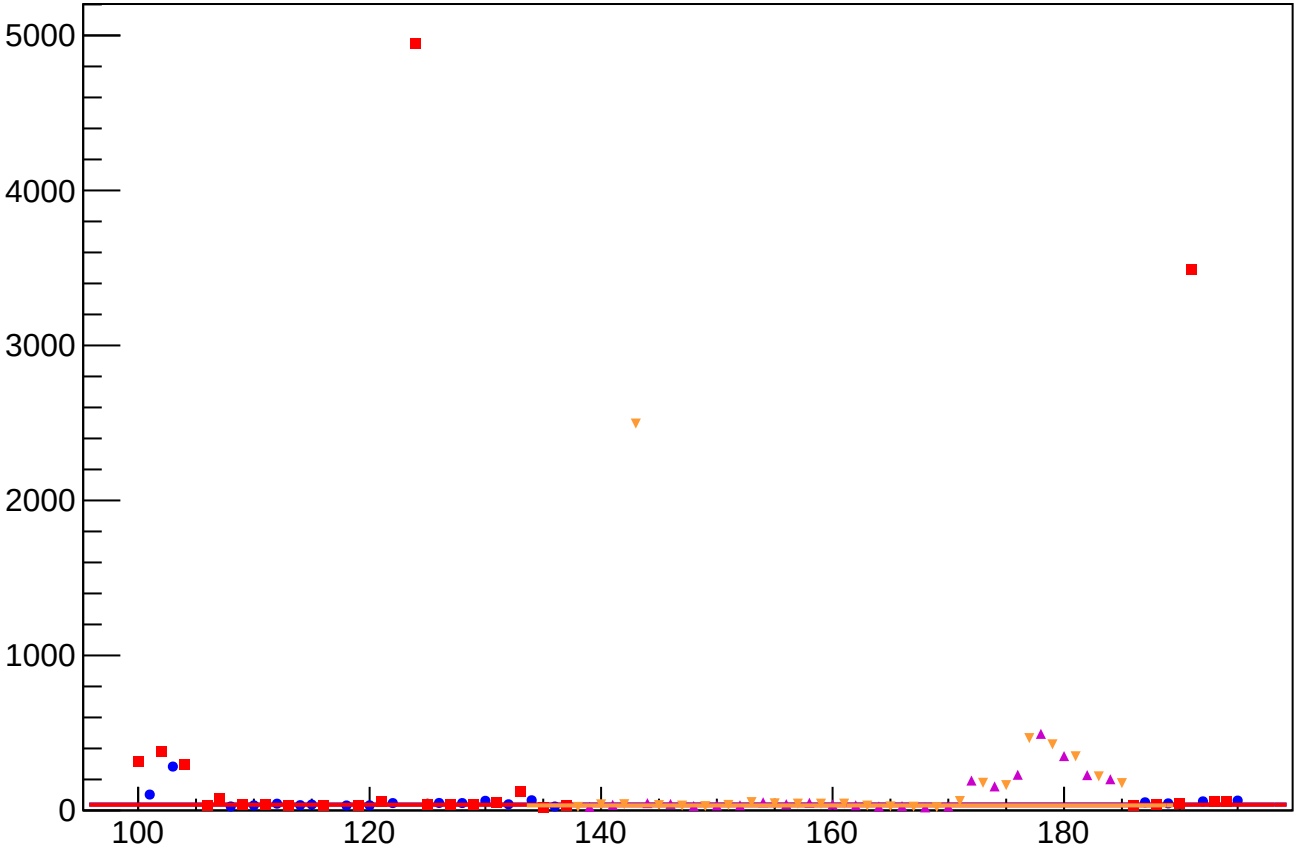
Right: 0.005+/-0.010 χ^2/NDF: 33.3/44

In: 0.013+/-0.008 χ^2/NDF:25.2/42

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/92

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.517+/-0.010 χ^2/NDF: 2798019.4/19

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

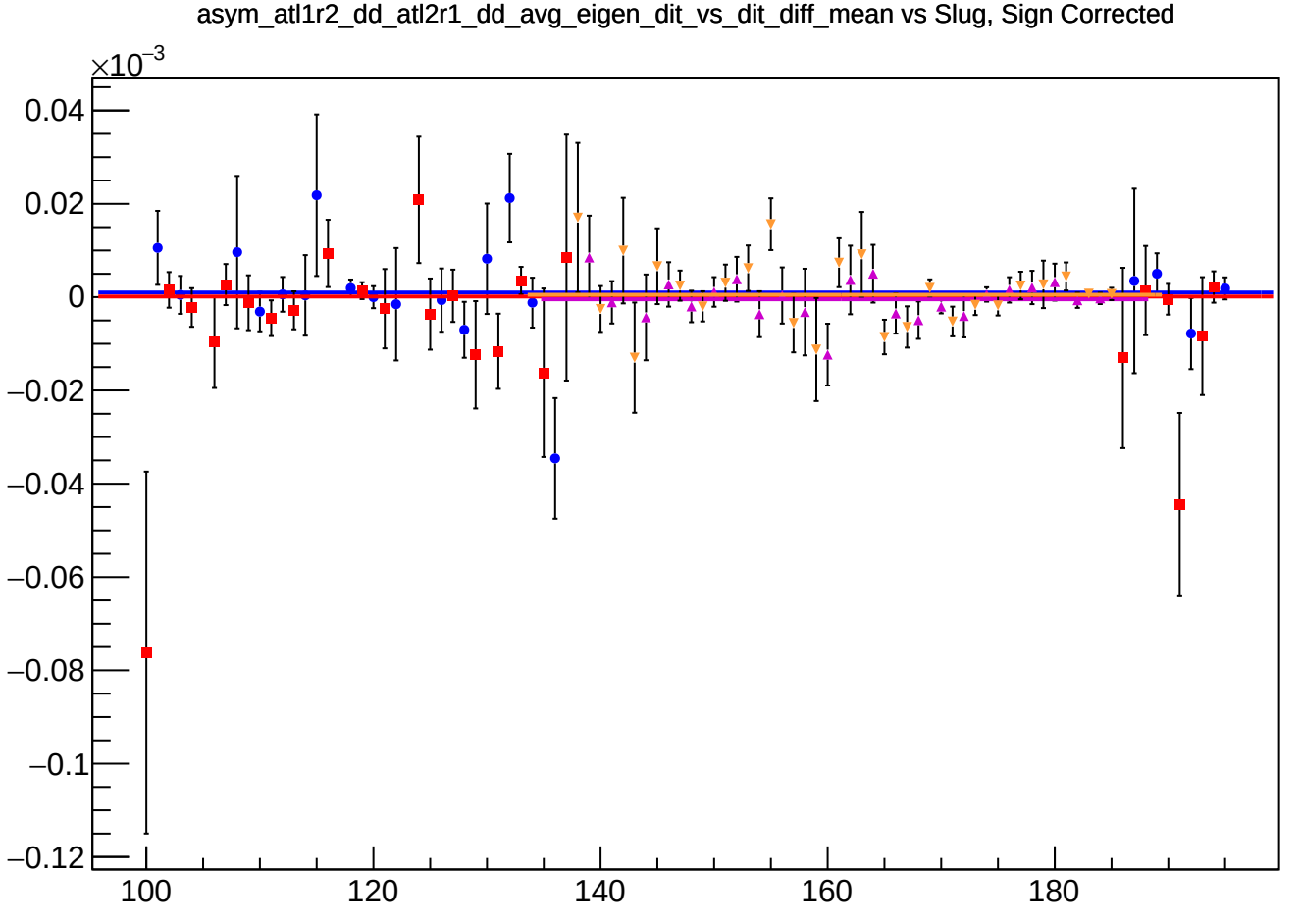
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 37.640+/-0.007 χ^2/NDF: 6591794.0/44

In: 34.503+/-0.006 χ^2/NDF:11987257.6/42

Out: 34.014+/-0.005 χ^2/NDF:14791458.8/49

All: 34.253+/-0.004 χ^2/NDF: 26782613.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/24

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

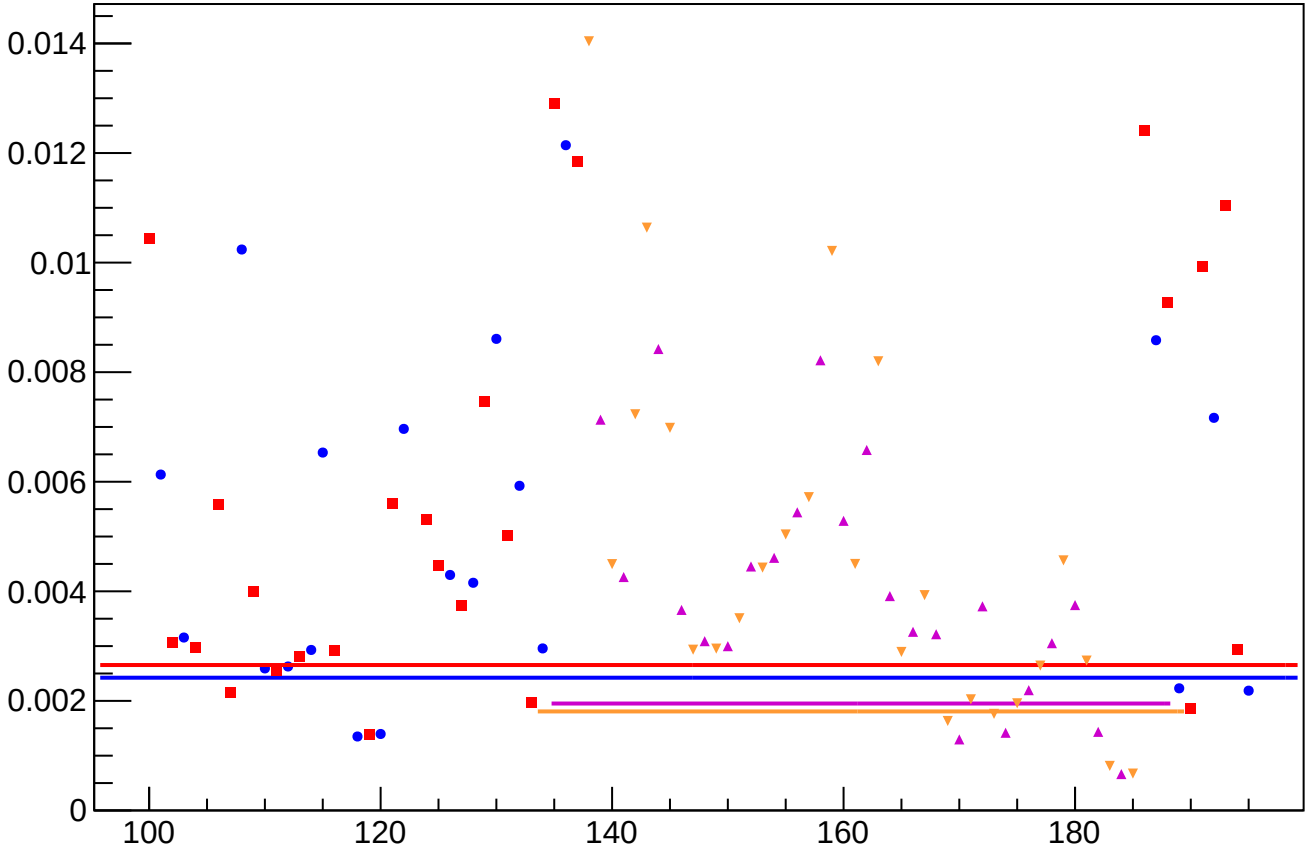
Right: 0.000+/-0.000 χ^2/NDF: 46.5/44

In: -0.000+/-0.000 χ^2/NDF:36.8/42

Out: 0.000+/-0.000 χ^2/NDF:60.4/49

All: 0.000+/-0.000 χ^2/NDF: 97.7/92

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5718326.9/19

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6184135.6/24

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

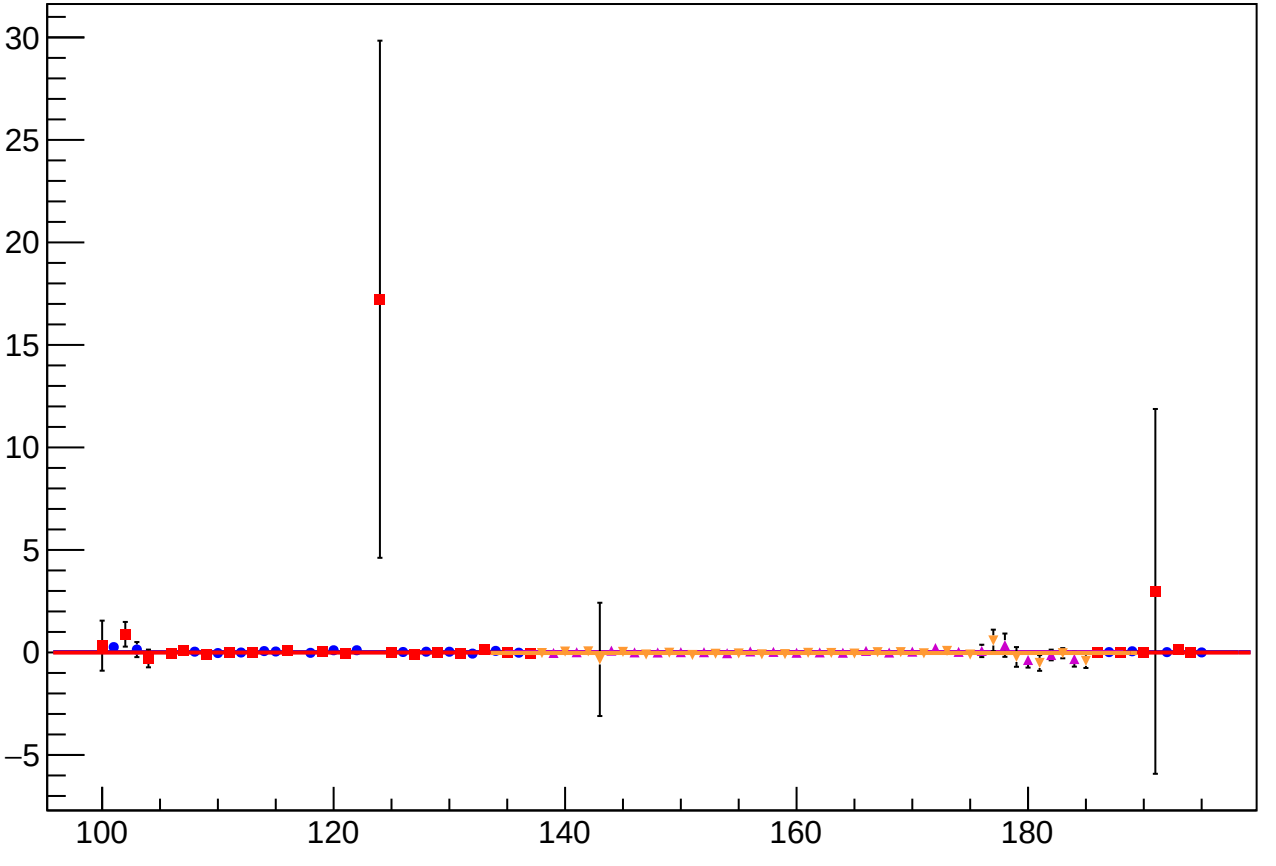
Right: 0.003+/-0.000 χ^2/NDF: 11960185.4/44

In: 0.002+/-0.000 χ^2/NDF:17543392.8/42

Out: 0.002+/-0.000 χ^2/NDF:22301994.9/49

All: 0.002+/-0.000 χ^2/NDF: 39862416.7/92

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

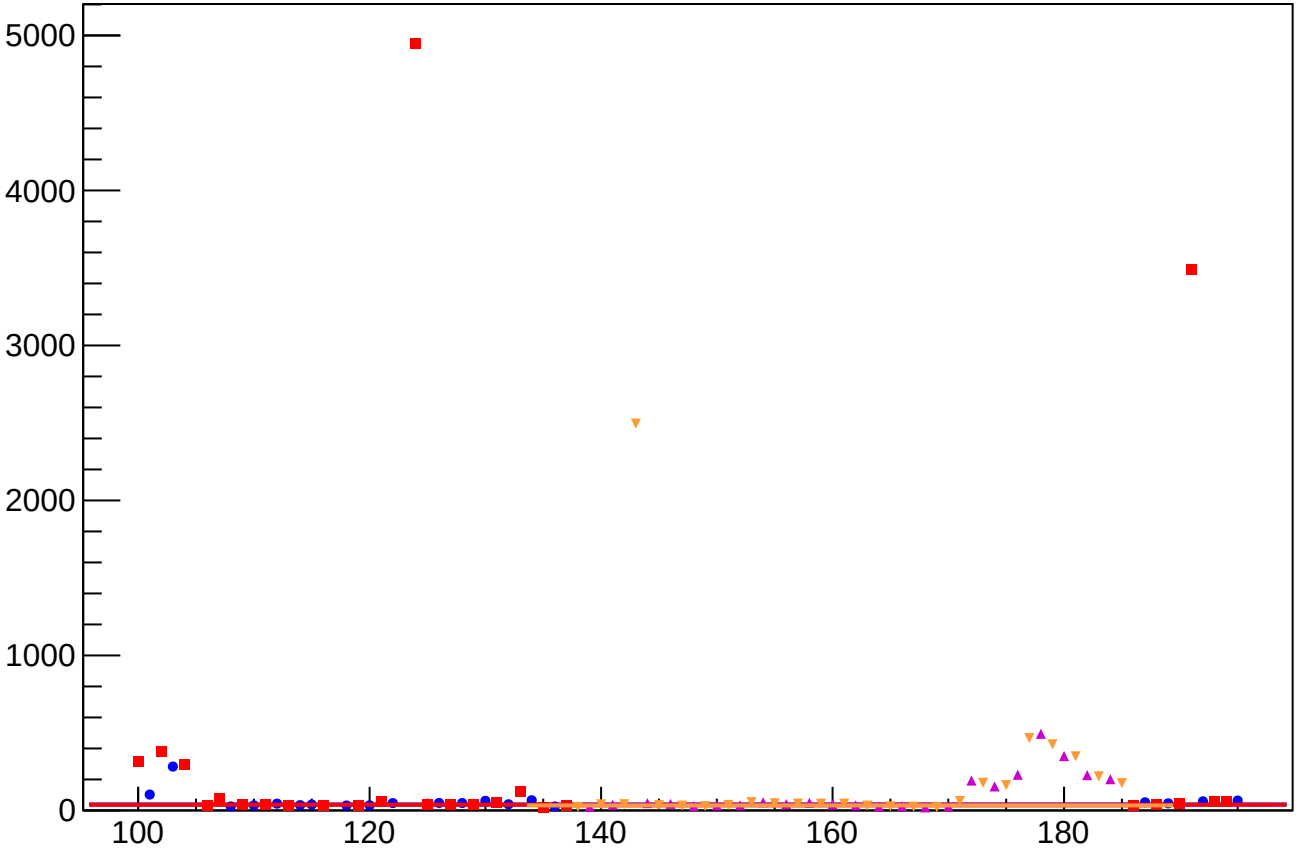
Right: 0.005+/-0.010 χ^2/NDF: 33.3/44

In: 0.013+/-0.008 χ^2/NDF:25.2/42

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/92

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

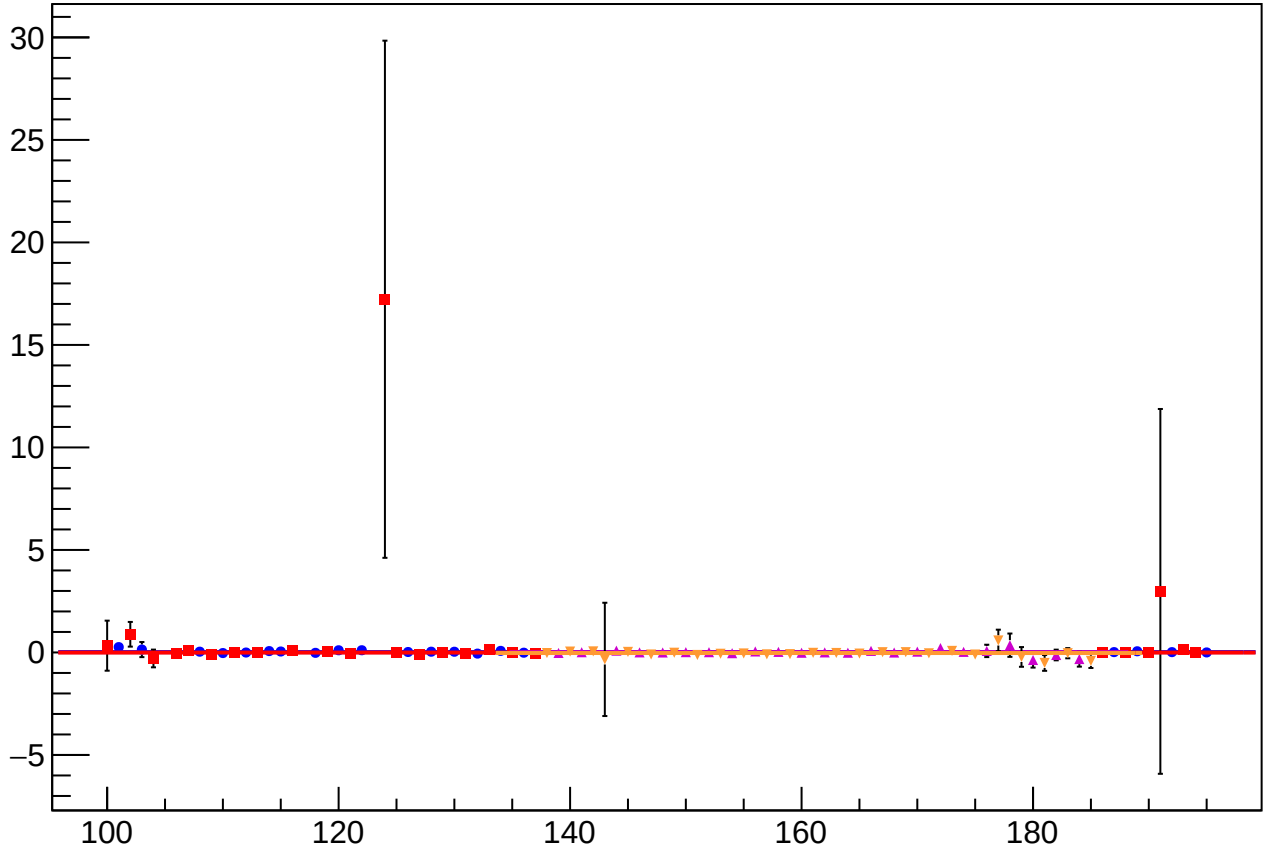
Right: 37.640+/-0.007 χ^2/NDF: 6591157.6/44

In: 34.502+/-0.006 χ^2/NDF:11987685.7/42

Out: 34.014+/-0.005 χ^2/NDF:14791500.0/49

All: 34.253+/-0.004 χ^2/NDF: 26783074.0/92

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.014 χ^2/NDF: 11.9/19

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

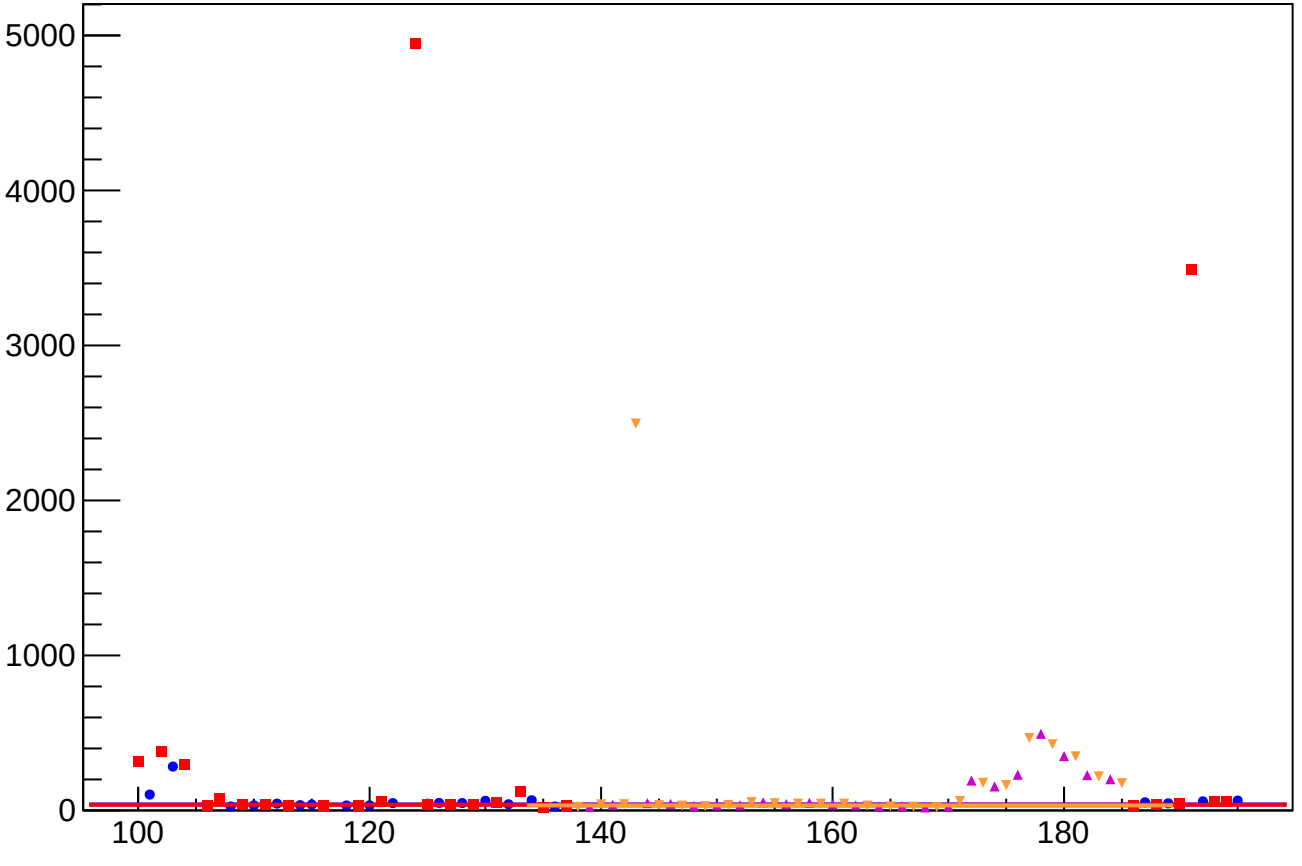
Right: 0.005+/-0.010 χ^2/NDF: 33.3/44

In: 0.013+/-0.008 χ^2/NDF:25.2/42

Out: -0.020+/-0.008 χ^2/NDF:50.1/49

All: -0.004+/-0.006 χ^2/NDF: 84.3/92

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.518+/-0.010 χ^2/NDF: 2797609.2/19

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

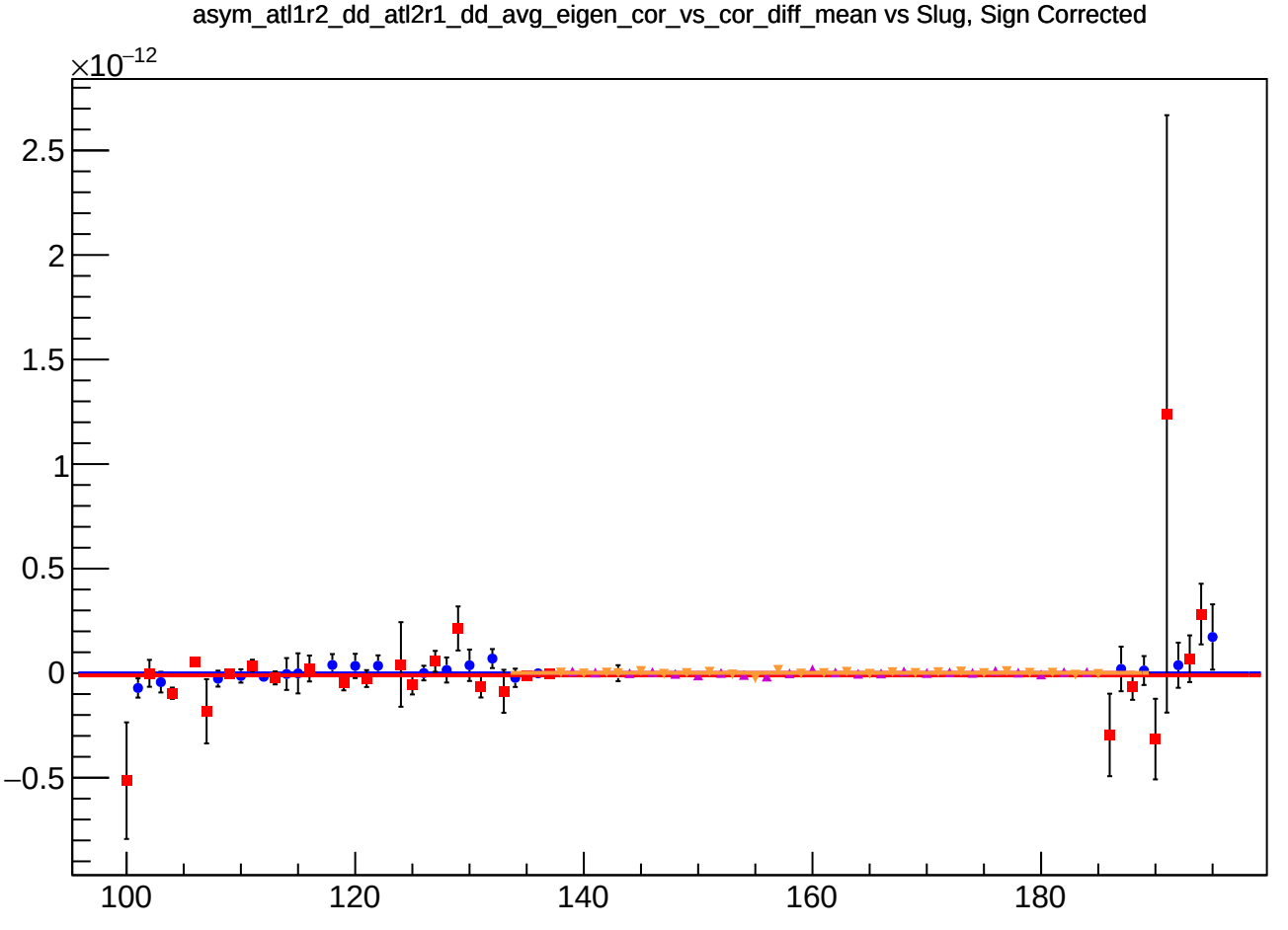
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 37.640+/-0.007 χ^2/NDF: 6591157.6/44

In: 34.502+/-0.006 χ^2/NDF:11987685.7/42

Out: 34.014+/-0.005 χ^2/NDF:14791500.0/49

All: 34.253+/-0.004 χ^2/NDF: 26783074.0/92



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.5/24

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

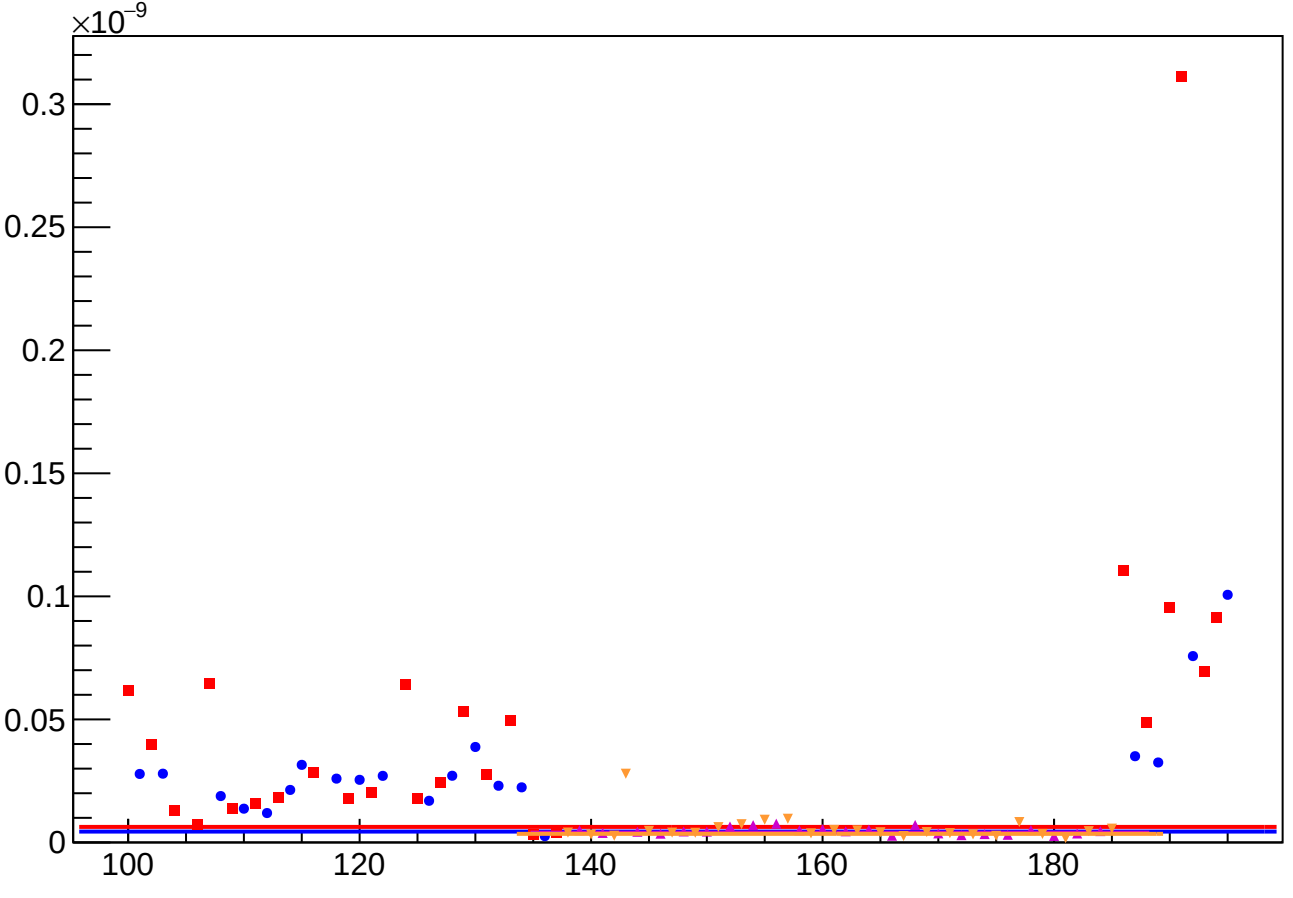
Right: -0.000+/-0.000 χ^2/NDF: 63.5/44

In: 0.000+/-0.000 χ^2/NDF:39.2/42

Out: 0.000+/-0.000 χ^2/NDF:76.3/49

All: 0.000+/-0.000 χ^2/NDF: 115.5/92

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: 7214013.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8146362.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

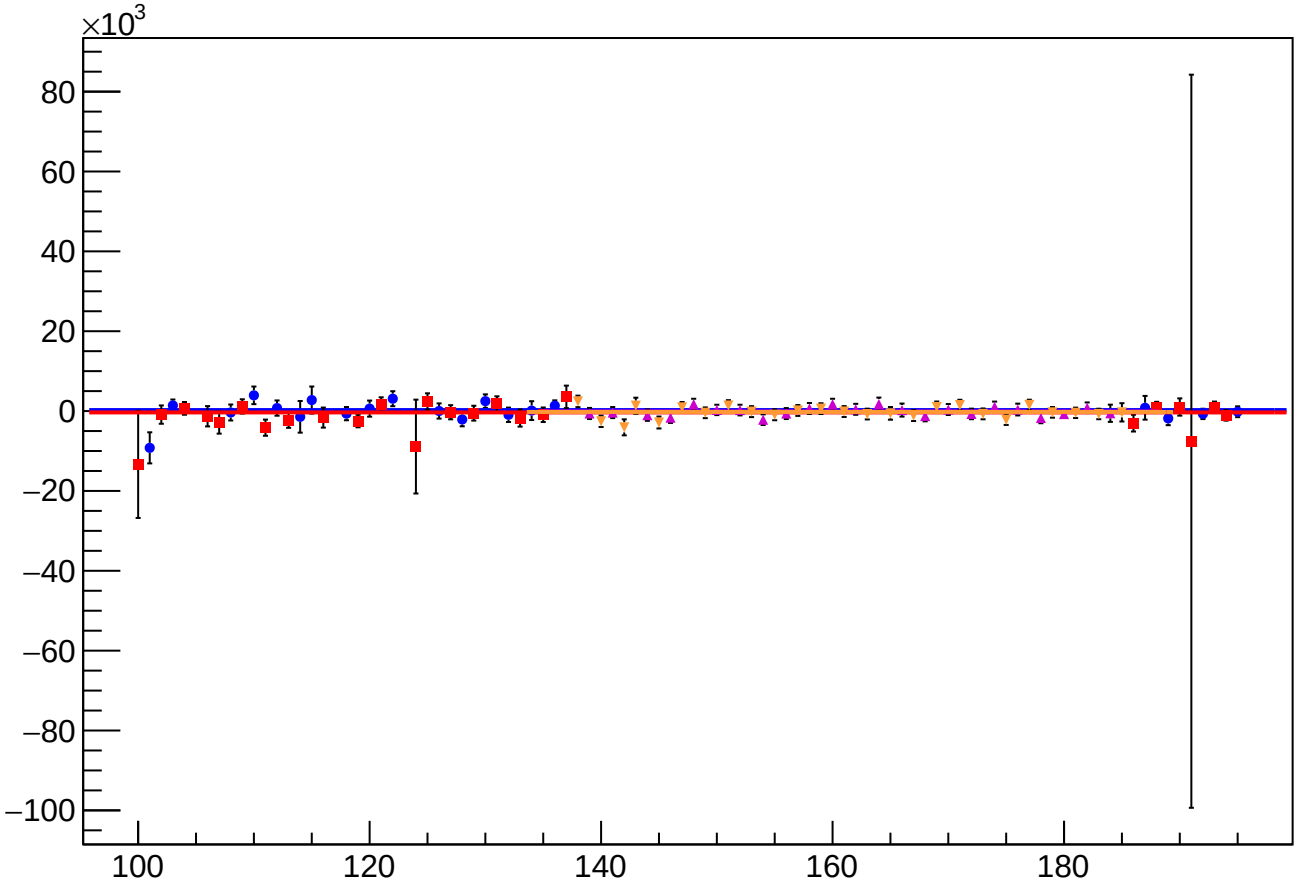
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15608143.6/44

In: 0.000+/-0.000 χ^2/NDF:9318177.6/42

Out: 0.000+/-0.000 χ^2/NDF:13698019.1/49

All: 0.000+/-0.000 χ^2/NDF: 23128560.4/92



Right In: 249.022+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -336.374+/-396.306 χ^2/NDF: 21.0/24

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

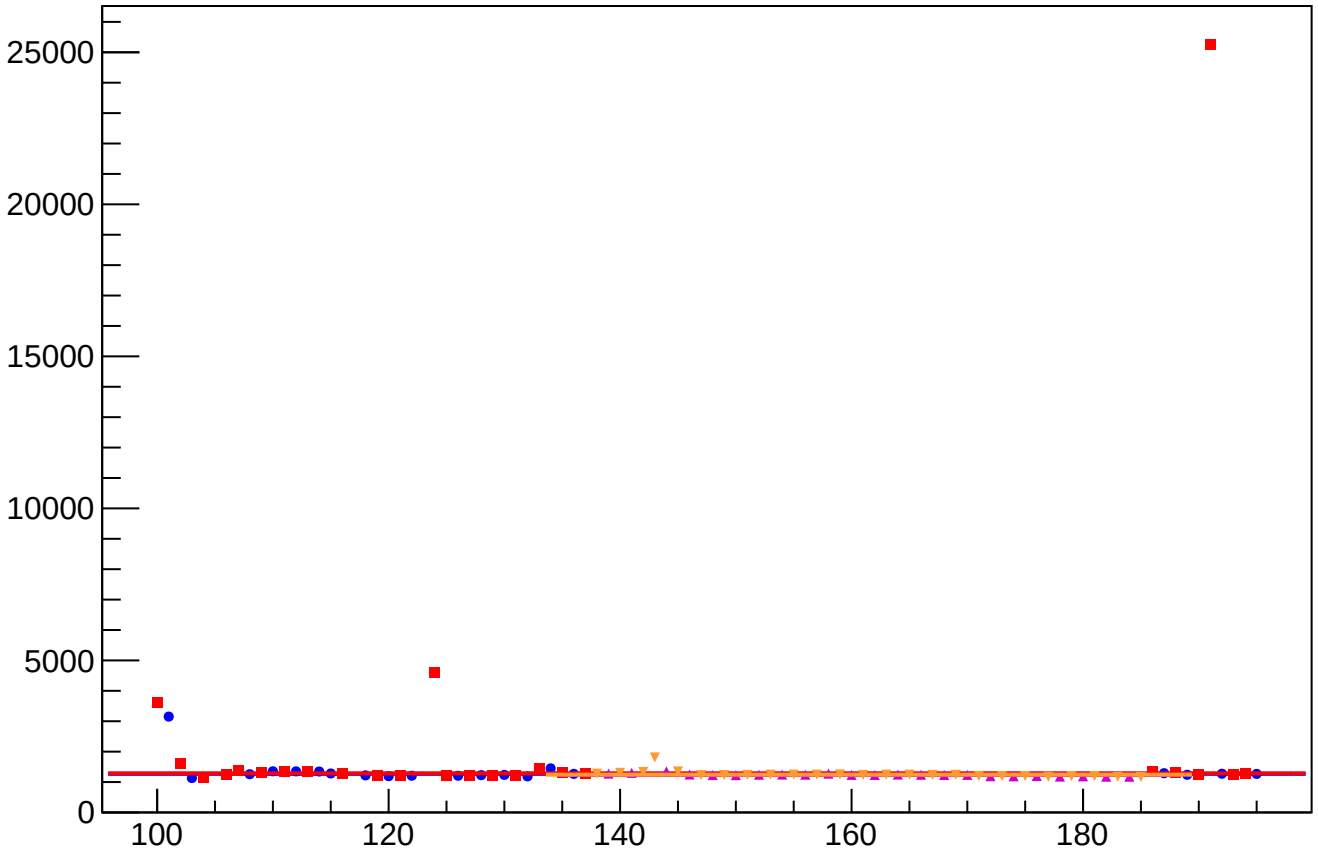
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -54.817+/-285.514 χ^2/NDF: 41.7/44

In: 19.897+/-236.107 χ^2/NDF:34.9/42

Out: -259.789+/-230.337 χ^2/NDF:44.9/49

All: -123.405+/-164.875 χ^2/NDF: 80.5/92



Right In: 1270.810+/-0.291 χ^2/NDF: 520105.1/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1285.519+/-0.280 χ^2/NDF: 467824.6/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

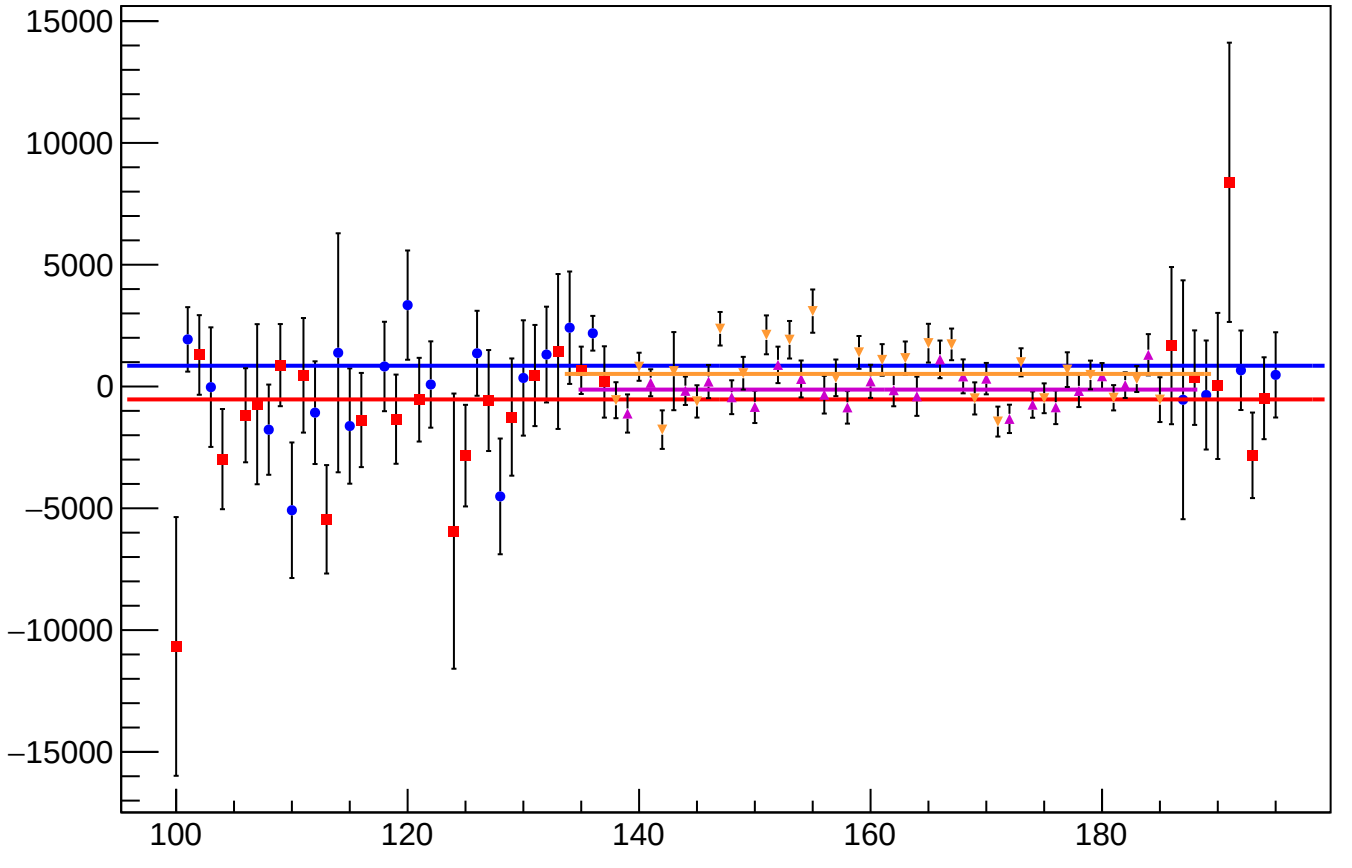
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1278.444+/-0.202 χ^2/NDF: 989254.9/44

In: 1245.941+/-0.167 χ^2/NDF:570261.8/42

Out: 1257.247+/-0.163 χ^2/NDF:686494.5/49

All: 1251.734+/-0.117 χ^2/NDF: 1259106.1/92



Right In: 852.797+/-393.502 χ^2/NDF: 20.4/19

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -529.973+/-396.869 χ^2/NDF: 22.0/24

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

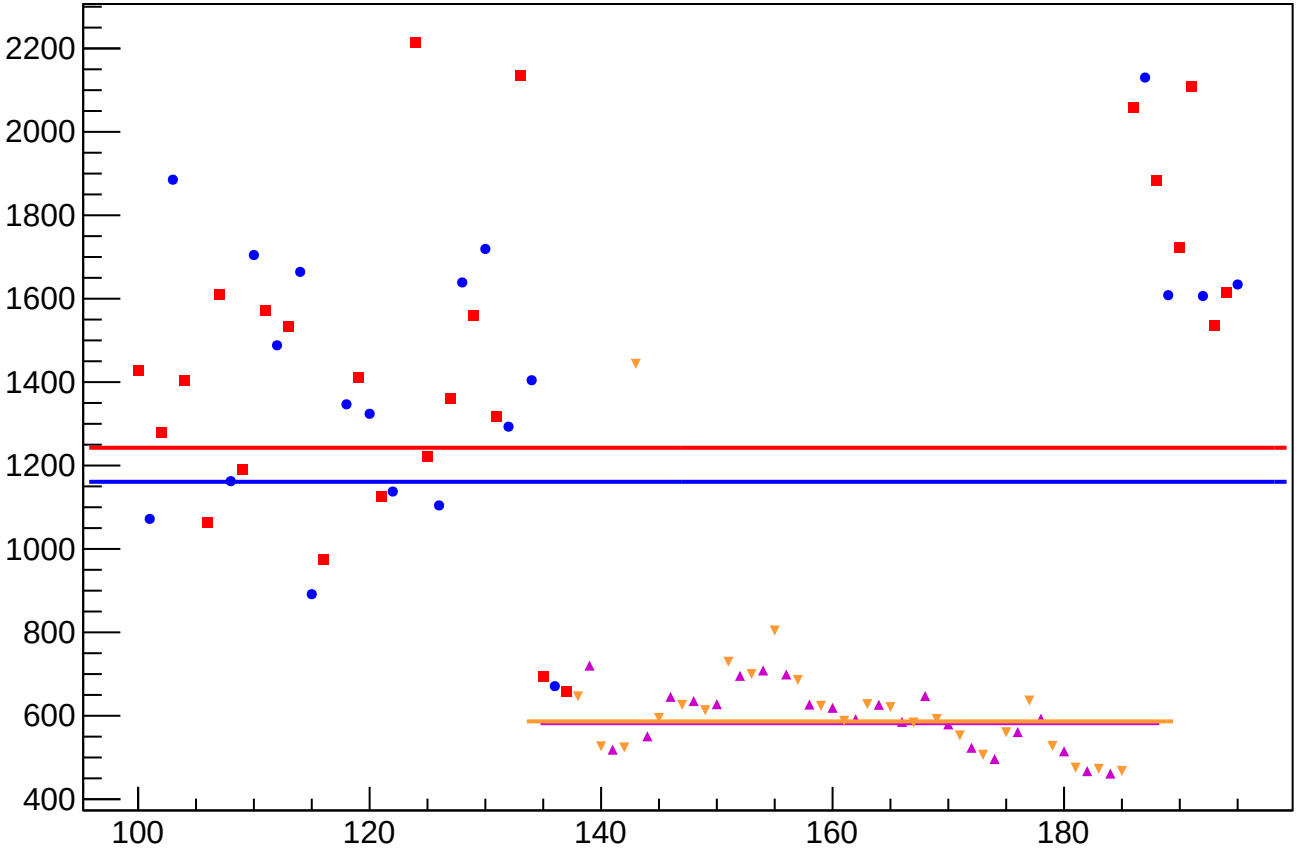
Right: 167.302+/-279.431 χ^2/NDF: 48.5/44

In: -20.324+/-129.607 χ^2/NDF:47.5/42

Out: 407.155+/-128.441 χ^2/NDF:95.3/49

All: 195.347+/-91.231 χ^2/NDF: 148.2/92

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1160.996+/-0.278 χ^2/NDF: 2009568.0/19

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.658+/-0.281 χ^2/NDF: 2009753.5/24

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

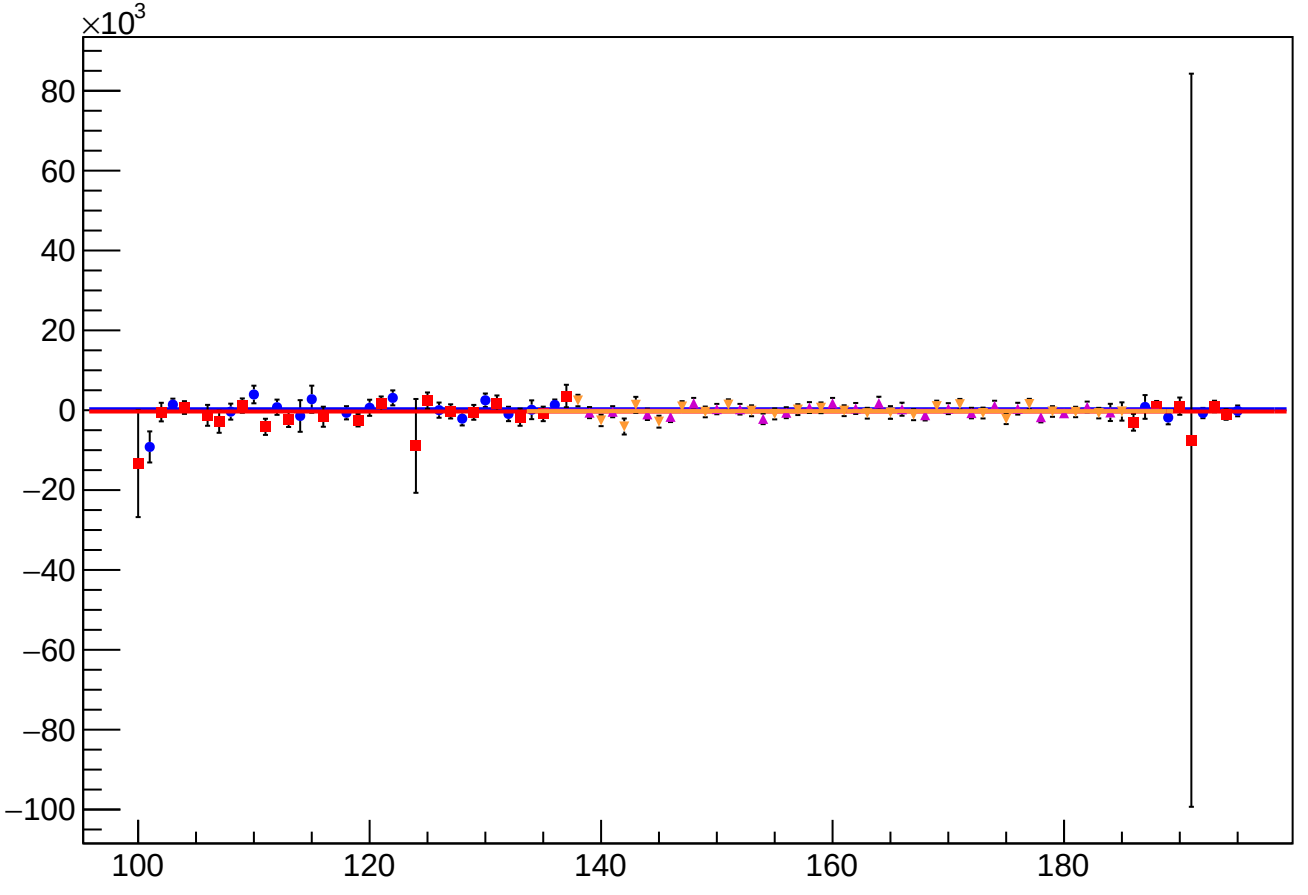
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1201.479+/-0.198 χ^2/NDF: 4062020.8/44

In: 644.981+/-0.092 χ^2/NDF:6426560.3/42

Out: 655.277+/-0.091 χ^2/NDF:8106242.0/49

All: 650.176+/-0.065 χ^2/NDF: 14539169.8/92



Right In: 249.255+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -322.039+/-396.764 χ^2/NDF: 20.9/24

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

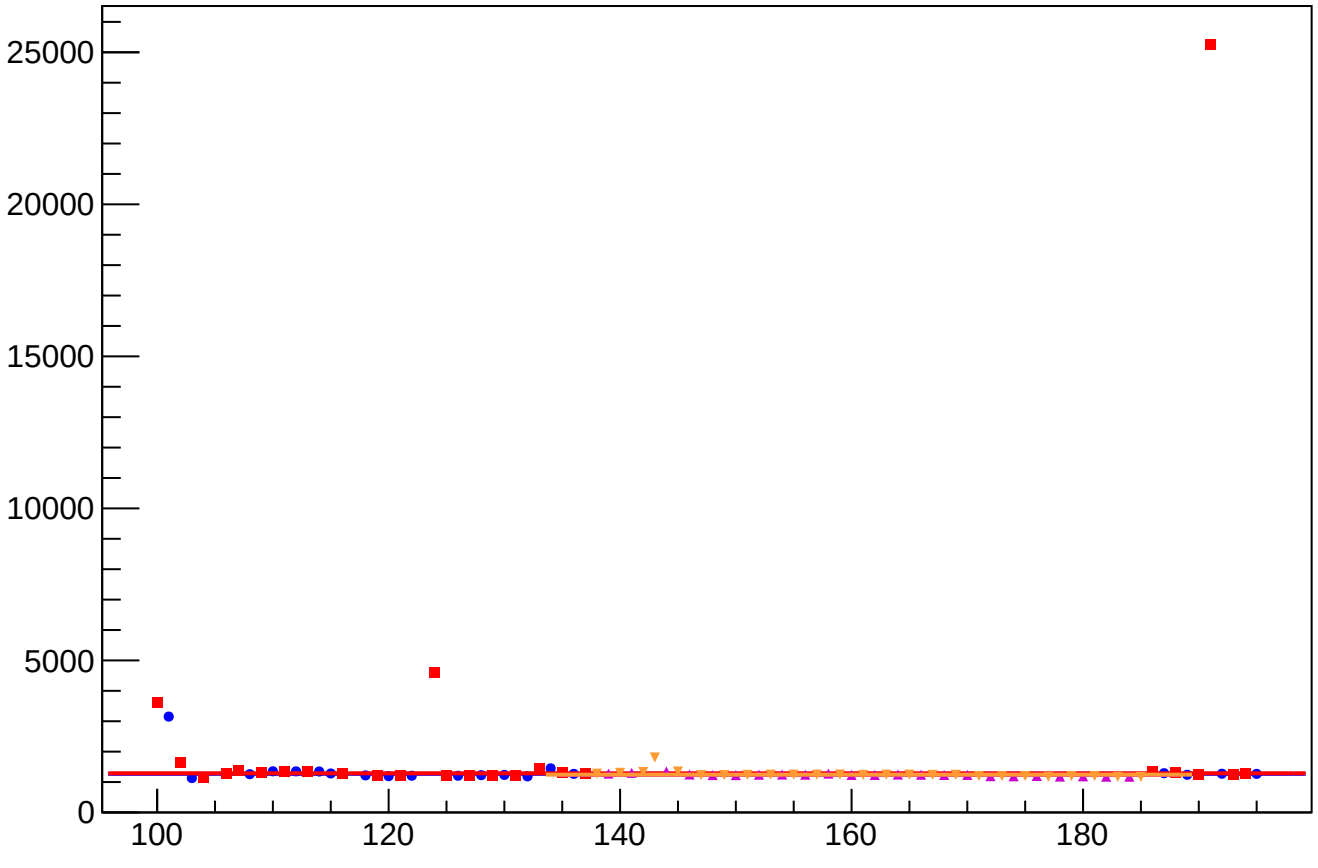
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -46.935+/-285.685 χ^2/NDF: 41.6/44

In: 19.927+/-236.107 χ^2/NDF:34.9/42

Out: -254.917+/-230.427 χ^2/NDF:44.9/49

All: -120.841+/-164.908 χ^2/NDF: 80.4/92



Right In: 1270.810+/-0.291 χ^2/NDF: 520106.5/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

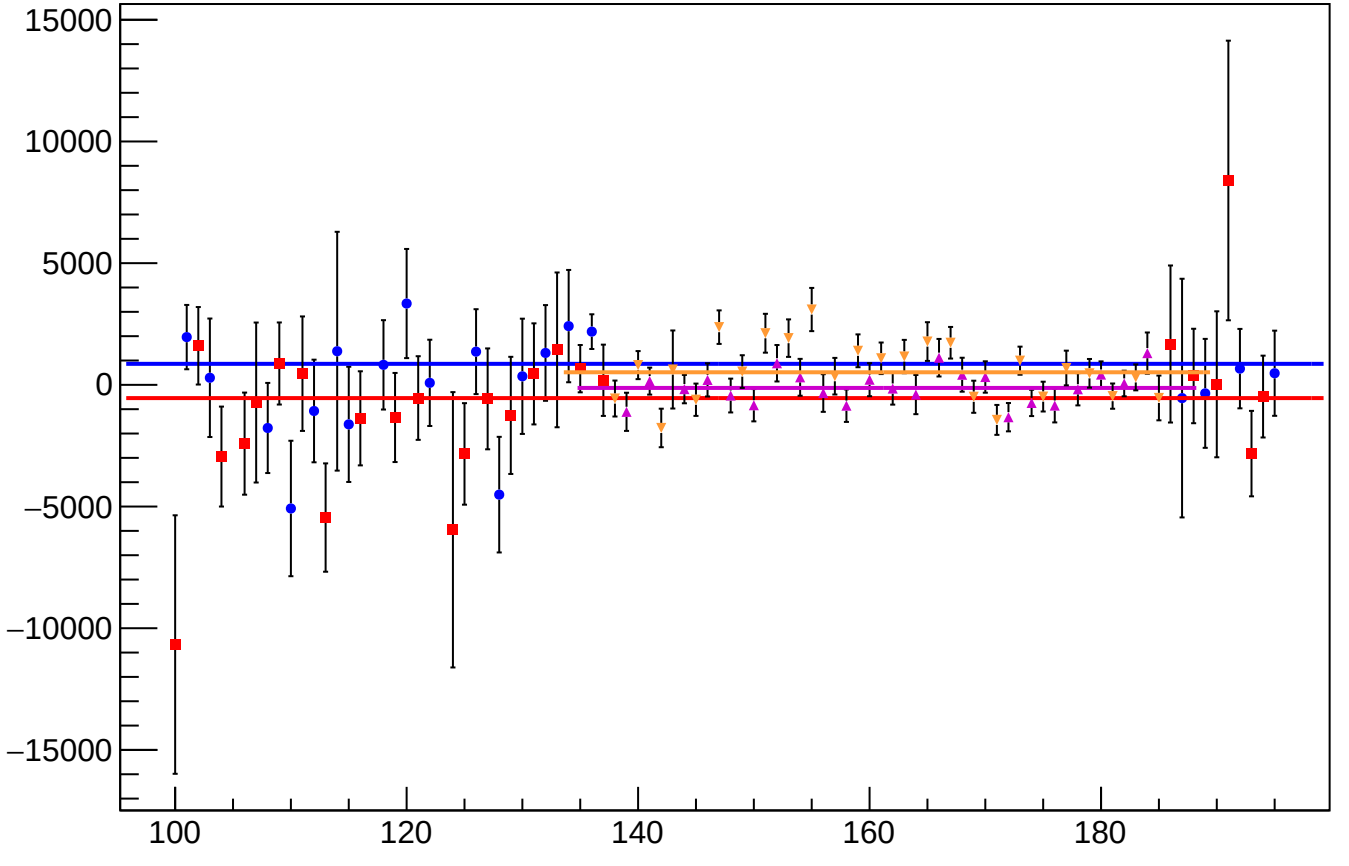
Right: 1279.246+/-0.202 χ^2/NDF: 996096.7/44

In: 1245.941+/-0.167 χ^2/NDF:570263.1/42

Out: 1257.752+/-0.163 χ^2/NDF:694160.7/49

All: 1251.990+/-0.117 χ^2/NDF: 1266987.2/92

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

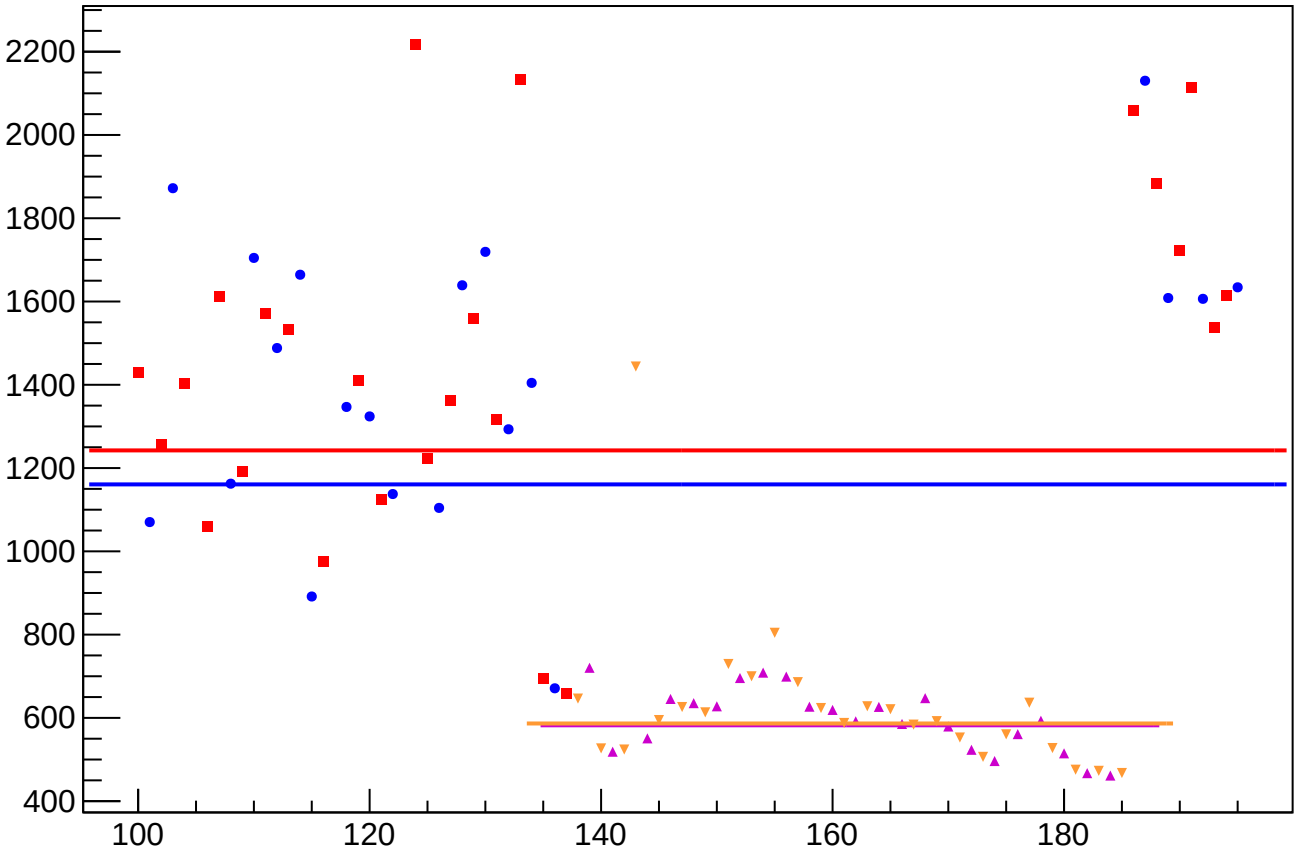
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 167.023+/-279.600 χ^2/NDF: 49.9/44

In: -19.085+/-129.602 χ^2/NDF:47.5/42

Out: 406.004+/-128.463 χ^2/NDF:96.6/49

All: 195.336+/-91.237 χ^2/NDF: 149.6/92



Right In: 1160.778+/-0.278 χ^2/NDF: 2006451.1/19

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

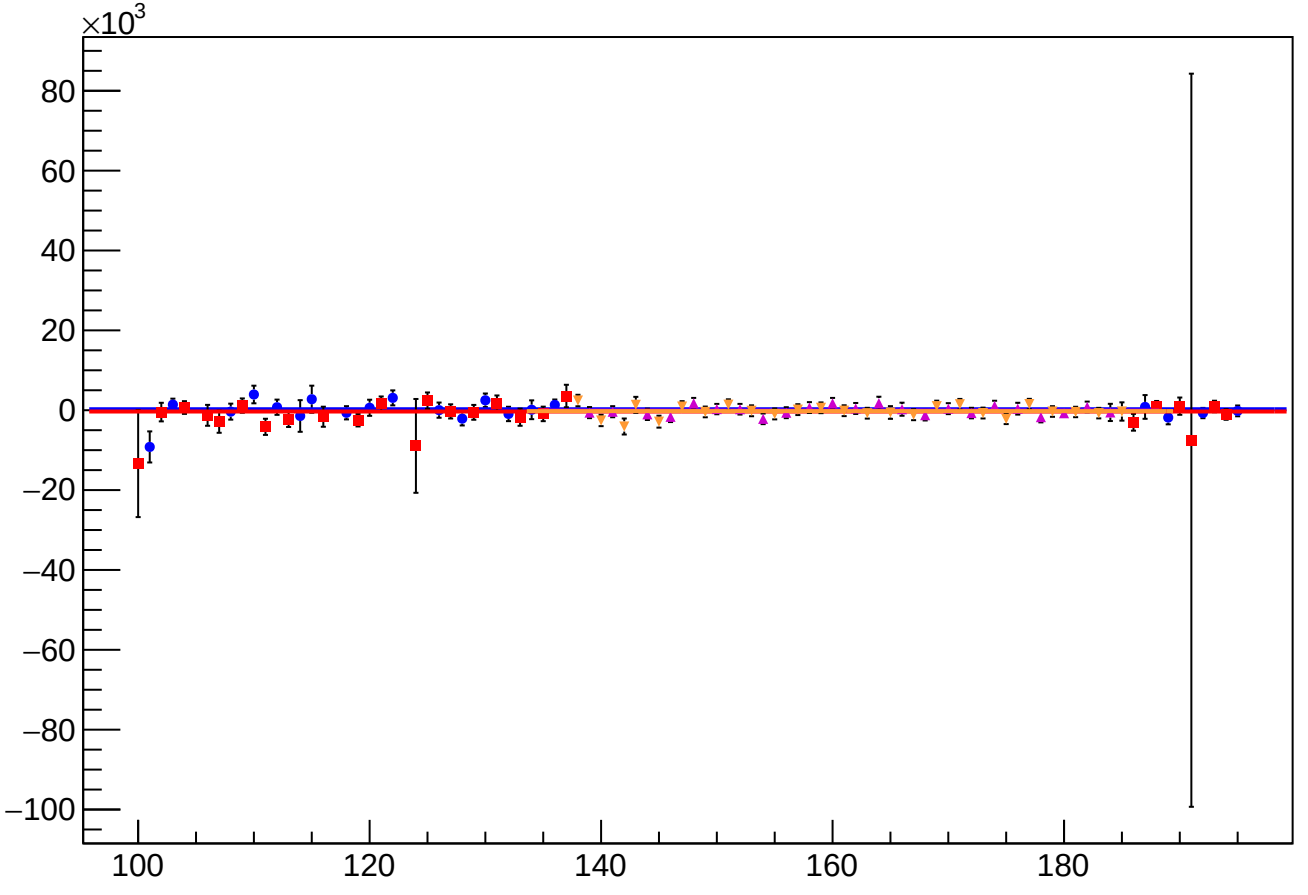
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1201.168+/-0.198 χ^2/NDF: 4056232.8/44

In: 644.995+/-0.092 χ^2/NDF:6422988.5/42

Out: 655.061+/-0.091 χ^2/NDF:8085942.7/49

All: 650.073+/-0.065 χ^2/NDF: 14515016.9/92



Right In: 249.255+/-411.688 χ^2/NDF: 19.7/19

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -322.039+/-396.764 χ^2/NDF: 20.9/24

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

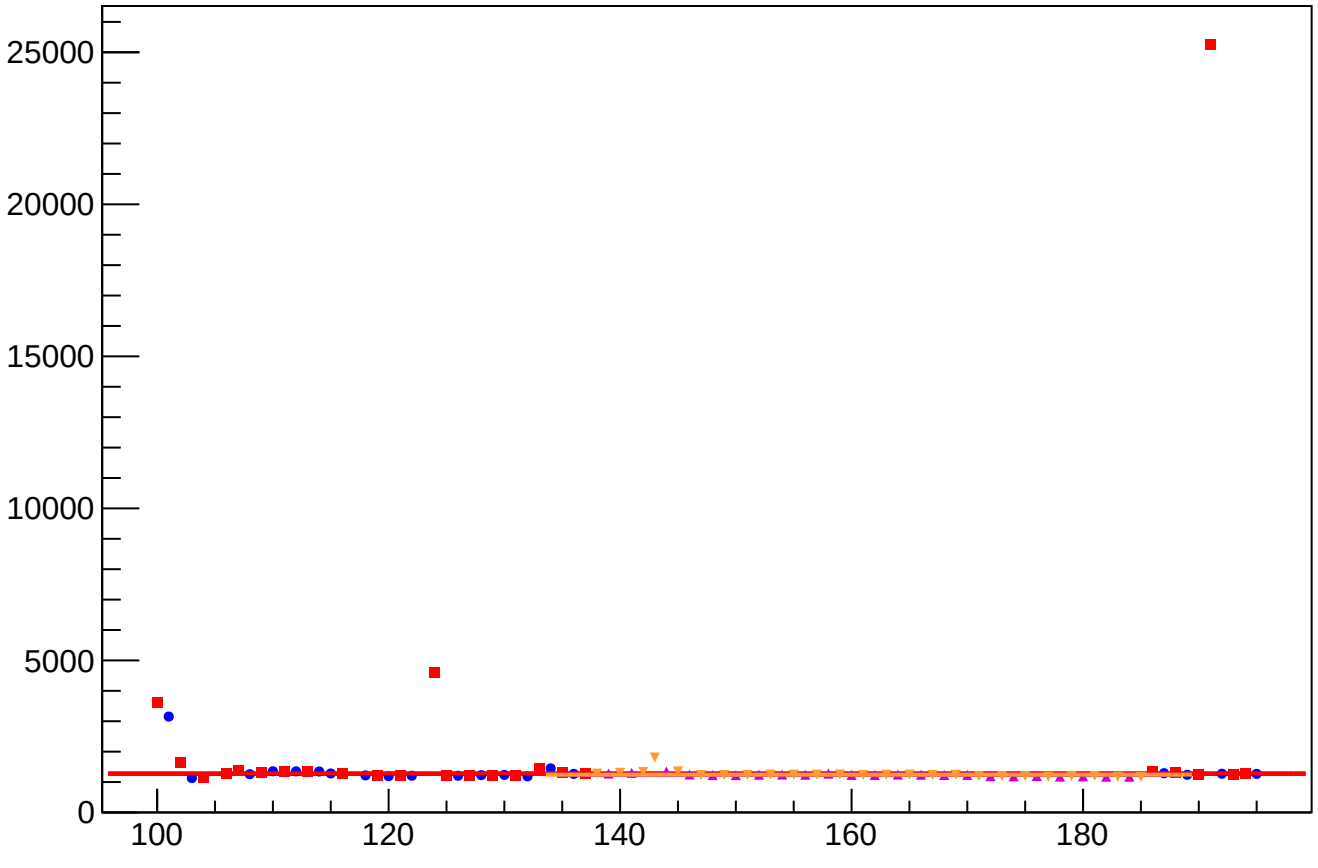
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -46.935+/-285.685 χ^2/NDF: 41.6/44

In: 19.927+/-236.107 χ^2/NDF:34.9/42

Out: -254.917+/-230.427 χ^2/NDF:44.9/49

All: -120.841+/-164.908 χ^2/NDF: 80.4/92



Right In: 1270.810+/-0.291 χ^2/NDF: 520106.5/19

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

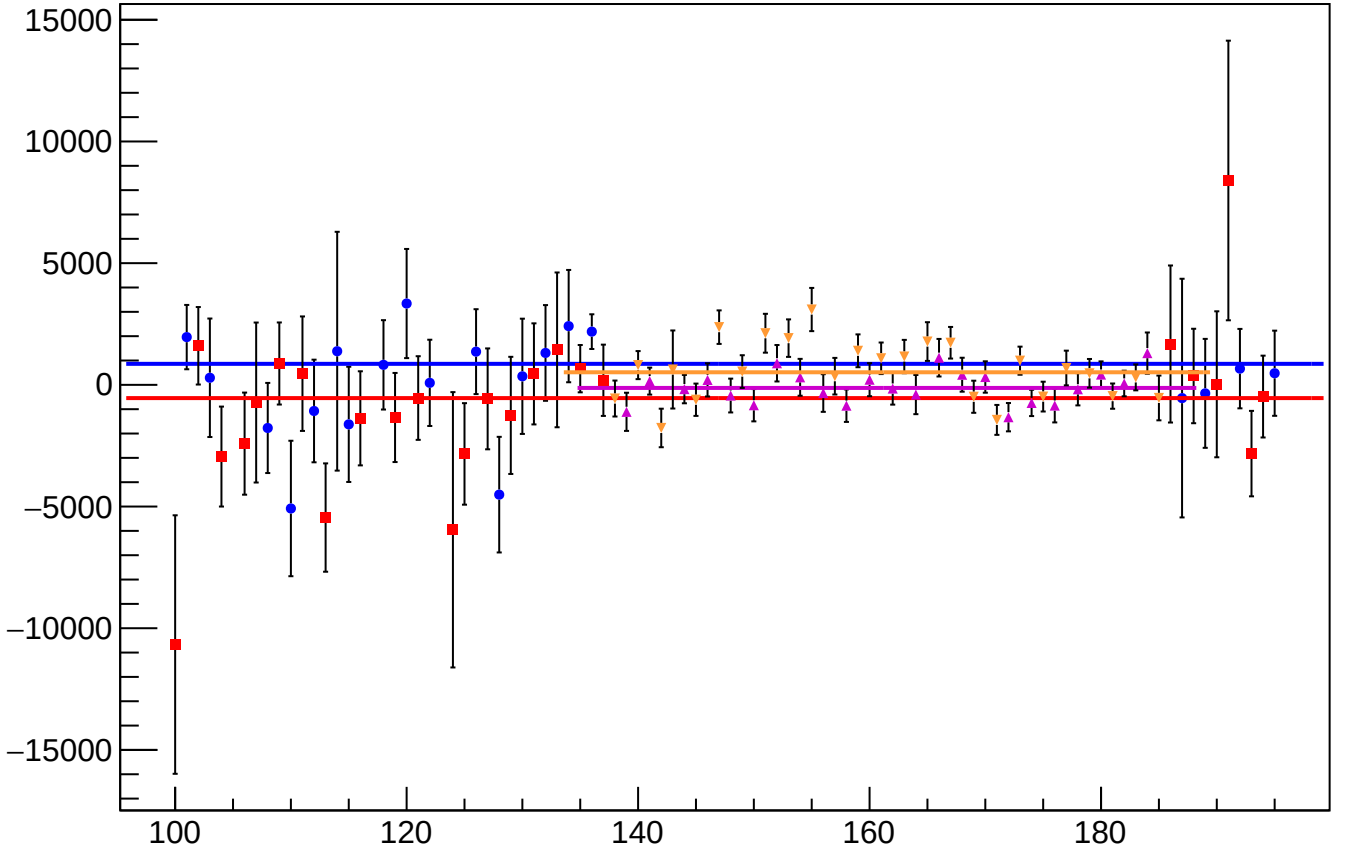
Right: 1279.246+/-0.202 χ^2/NDF: 996096.7/44

In: 1245.941+/-0.167 χ^2/NDF:570263.1/42

Out: 1257.752+/-0.163 χ^2/NDF:694160.7/49

All: 1251.990+/-0.117 χ^2/NDF: 1266987.2/92

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 863.441+/-393.363 χ^2/NDF: 20.3/19

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

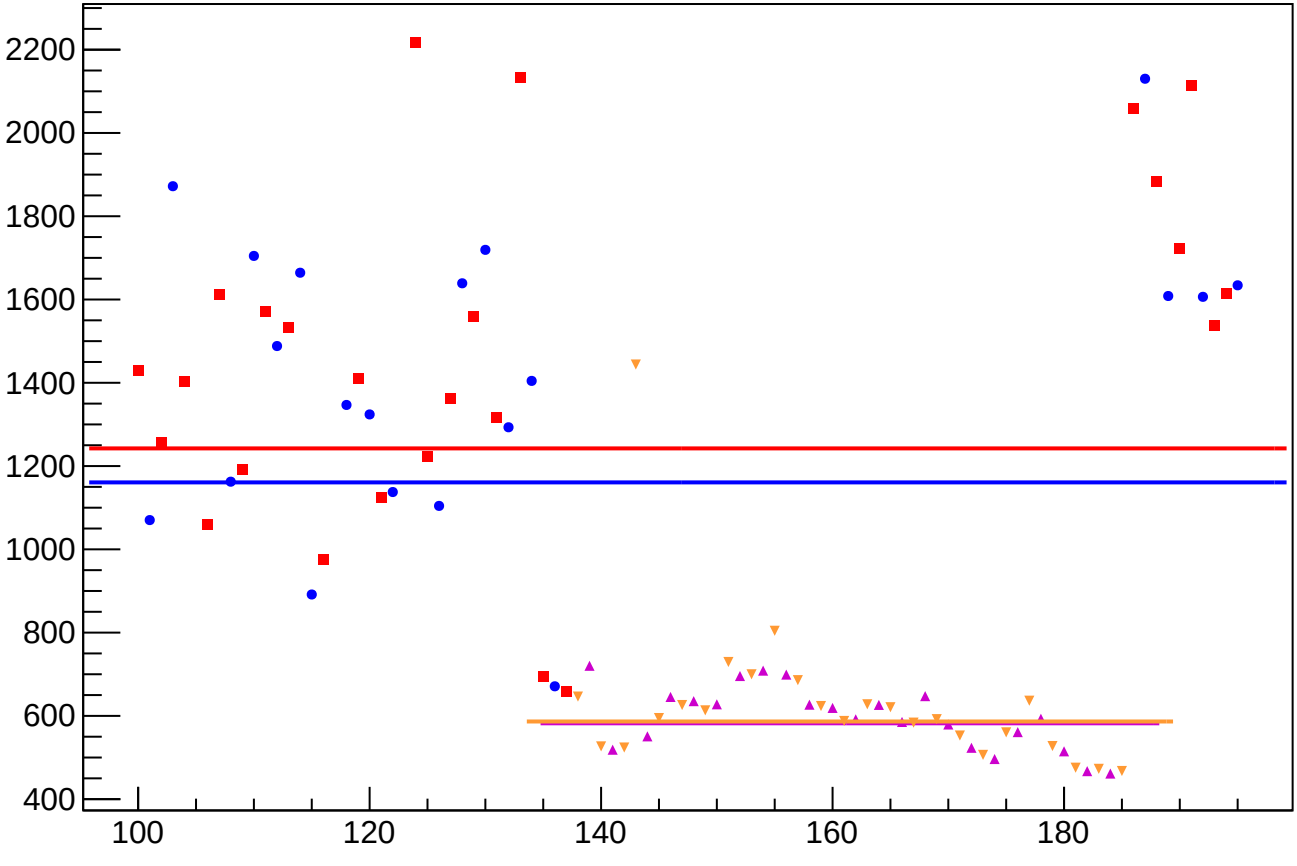
Right: 167.023+/-279.600 χ^2/NDF: 49.9/44

In: -19.085+/-129.602 χ^2/NDF:47.5/42

Out: 406.004+/-128.463 χ^2/NDF:96.6/49

All: 195.336+/-91.237 χ^2/NDF: 149.6/92

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1160.778+/-0.278 χ^2/NDF: 2006451.1/19

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

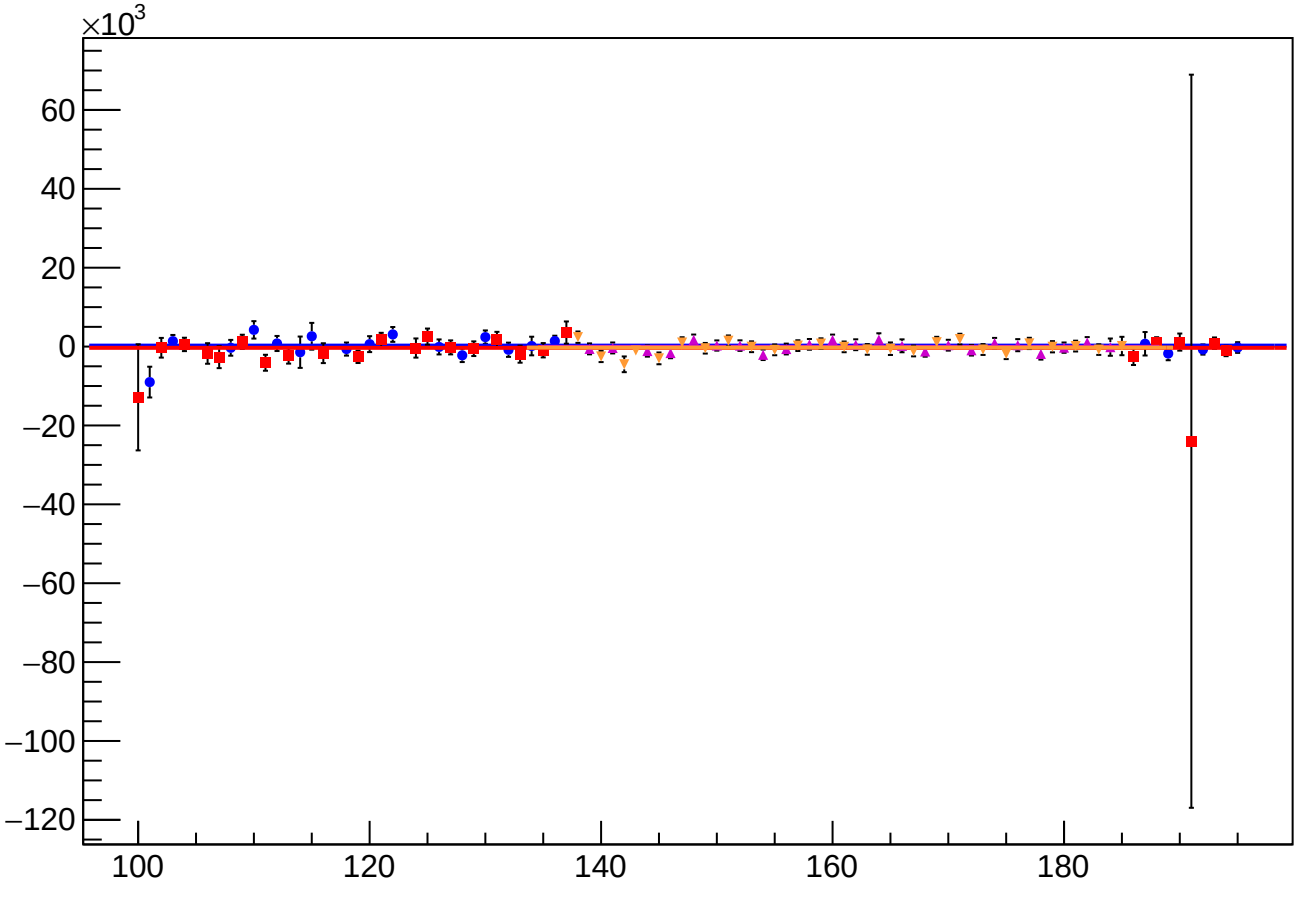
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1201.168+/-0.198 χ^2/NDF: 4056232.8/44

In: 644.995+/-0.092 χ^2/NDF:6422988.5/42

Out: 655.061+/-0.091 χ^2/NDF:8085942.7/49

All: 650.073+/-0.065 χ^2/NDF: 14515016.9/92



Right In: 239.727+/-413.708 χ^2/NDF: 19.7/19

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -316.862+/-394.407 χ^2/NDF: 20.4/24

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

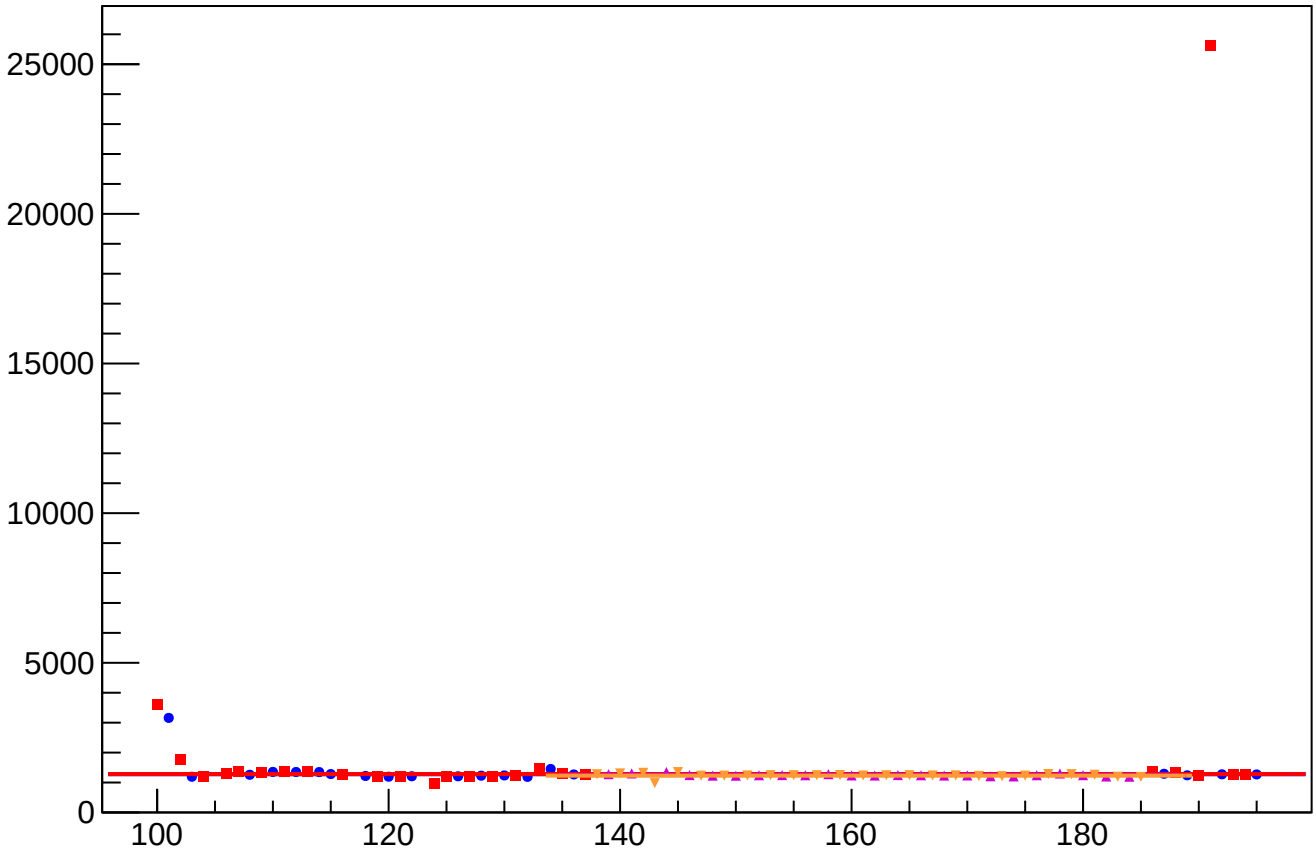
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -51.853+/-285.467 χ^2/NDF: 41.1/44

In: 29.473+/-238.267 χ^2/NDF:34.1/42

Out: -272.962+/-228.273 χ^2/NDF:44.5/49

All: -128.220+/-164.833 χ^2/NDF: 79.5/92



Right In: 1277.412+/-0.293 χ^2/NDF: 508239.1/19

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

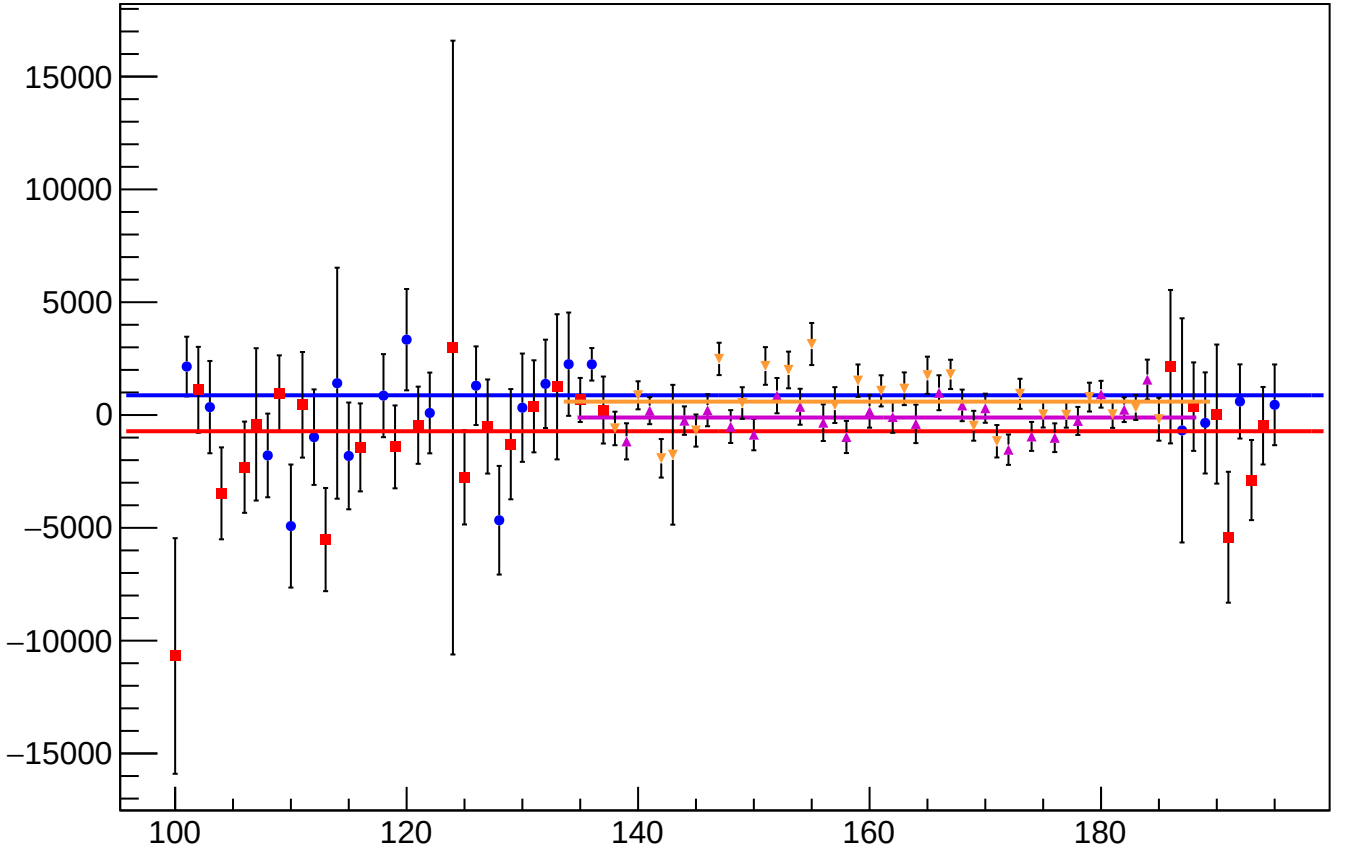
Right: 1279.995+/-0.202 χ^2/NDF: 876735.1/44

In: 1257.612+/-0.168 χ^2/NDF:542434.4/42

Out: 1247.525+/-0.161 χ^2/NDF:533392.2/49

All: 1252.352+/-0.117 χ^2/NDF: 1077695.8/92

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 874.661+/-393.668 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -718.604+/-401.132 χ^2/NDF: 22.4/24

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

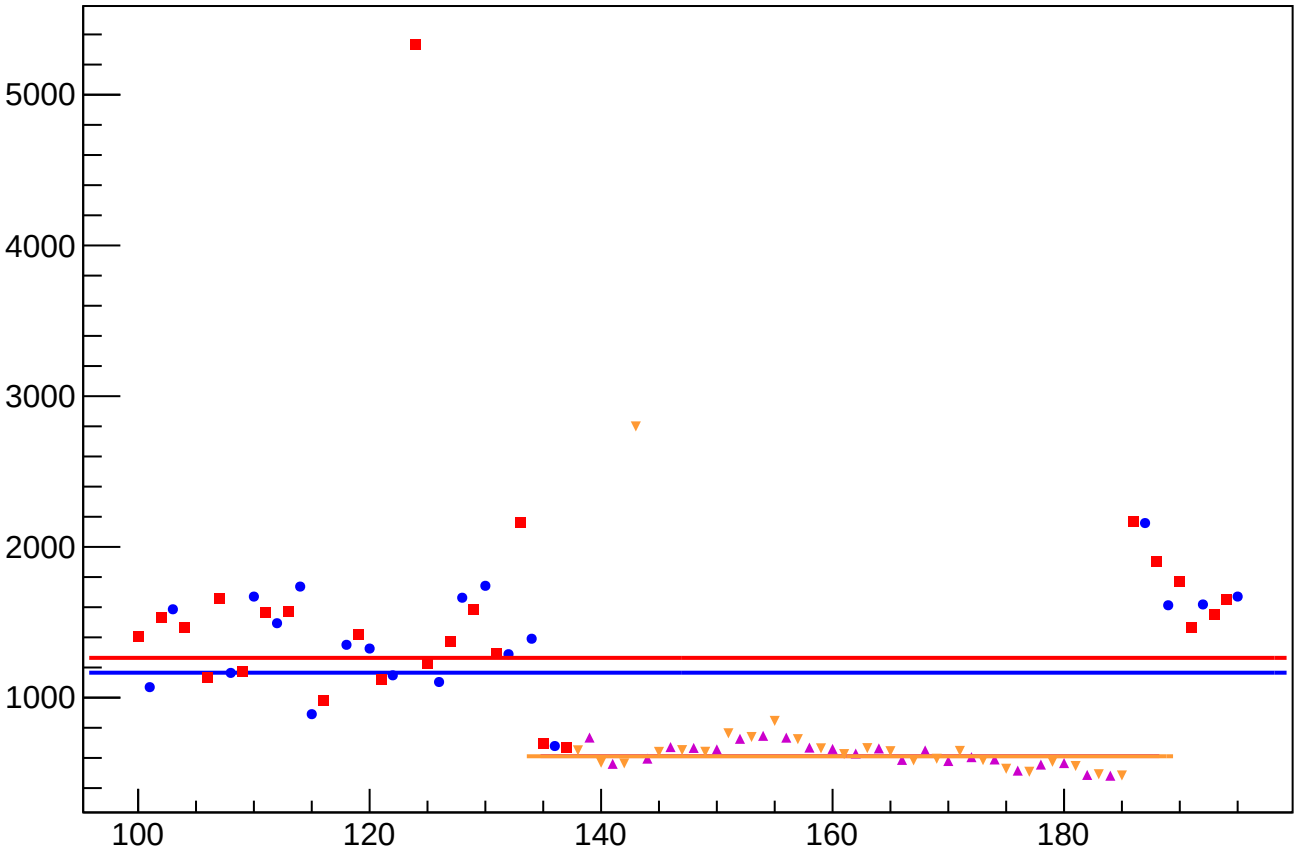
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 92.989+/-280.967 χ^2/NDF: 51.4/44

In: 6.311+/-135.429 χ^2/NDF:52.2/42

Out: 448.478+/-133.969 χ^2/NDF:89.2/49

All: 229.790+/-95.242 χ^2/NDF: 146.8/92



Right In: 1165.533+/-0.278 χ^2/NDF: 1905552.2/19

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1263.918+/-0.284 χ^2/NDF: 2179203.0/24

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

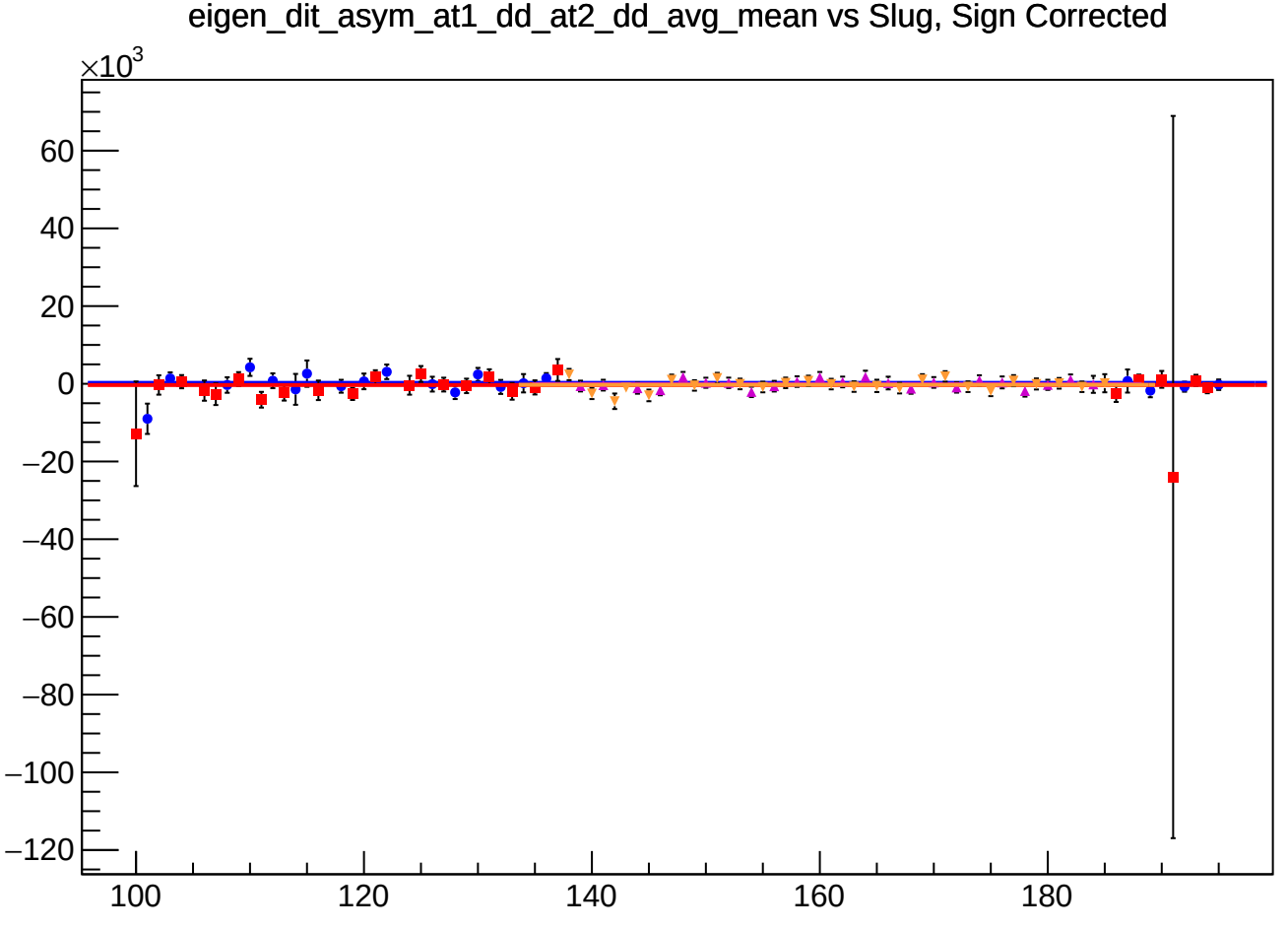
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1213.802+/-0.199 χ^2/NDF: 4146041.3/44

In: 677.861+/-0.096 χ^2/NDF:5895331.8/42

Out: 683.904+/-0.095 χ^2/NDF:8504987.1/49

All: 680.916+/-0.067 χ^2/NDF: 14402331.6/92



Right In: 239.729+/-413.708 χ^2/NDF: 19.7/19

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -316.861+/-394.407 χ^2/NDF: 20.4/24

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

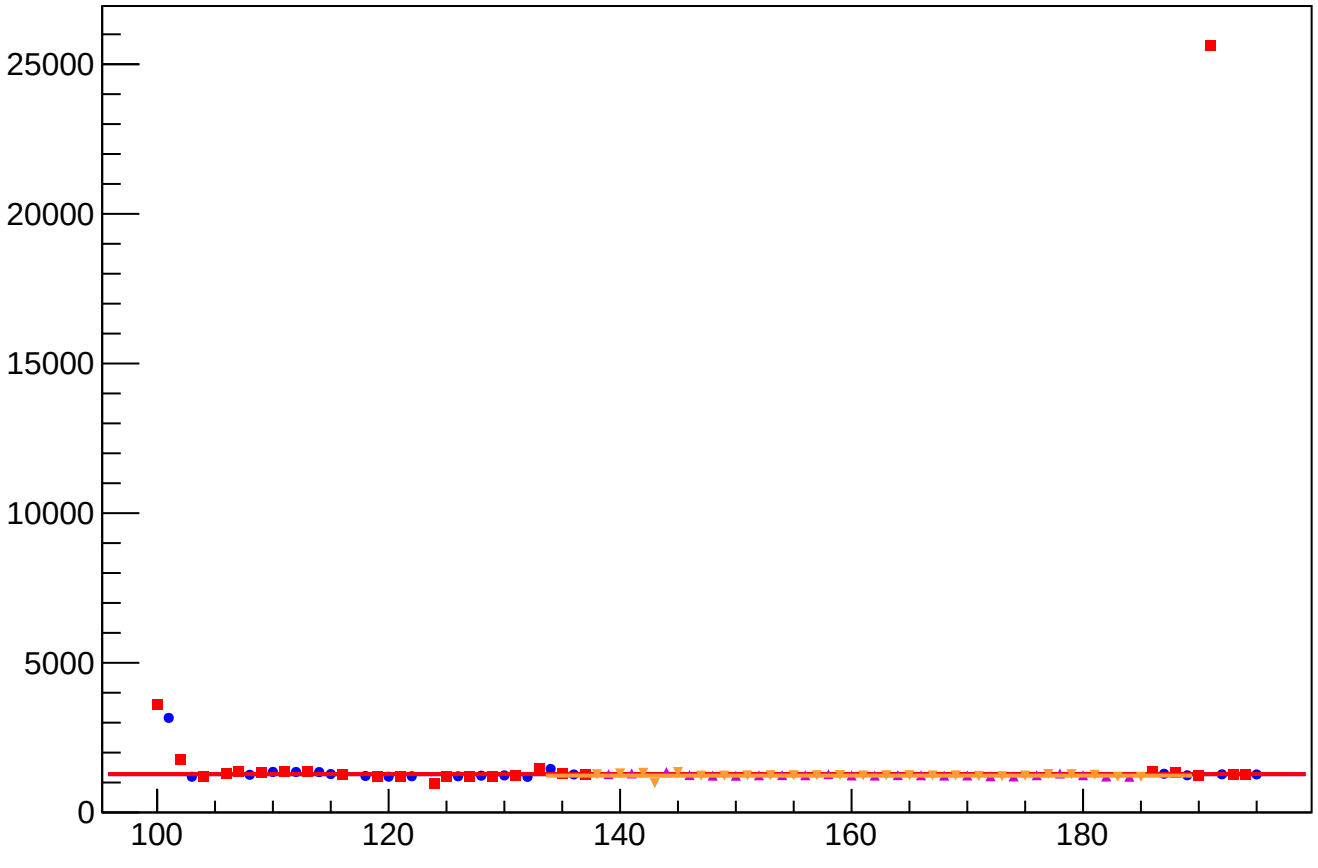
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -51.852+/-285.467 χ^2/NDF: 41.1/44

In: 29.473+/-238.267 χ^2/NDF:34.1/42

Out: -272.963+/-228.273 χ^2/NDF:44.5/49

All: -128.220+/-164.833 χ^2/NDF: 79.5/92



Right In: 1277.411+/-0.293 χ^2/NDF: 508239.3/19

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

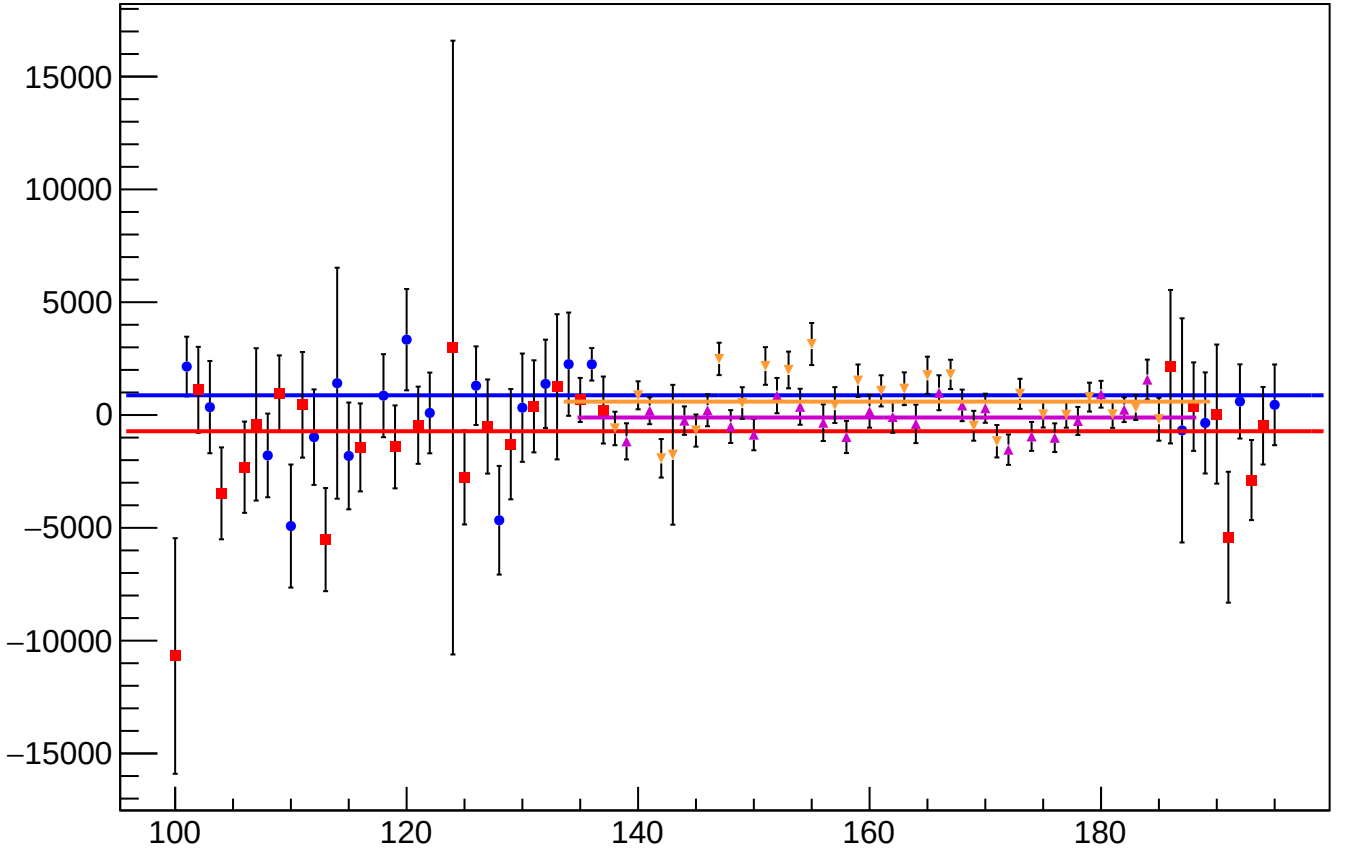
Right: 1279.995+/-0.202 χ^2/NDF: 876735.2/44

In: 1257.612+/-0.168 χ^2/NDF:542434.5/42

Out: 1247.525+/-0.161 χ^2/NDF:533391.2/49

All: 1252.352+/-0.117 χ^2/NDF: 1077694.8/92

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 874.656+/-393.670 χ^2/NDF: 21.0/19

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -718.614+/-401.133 χ^2/NDF: 22.4/24

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

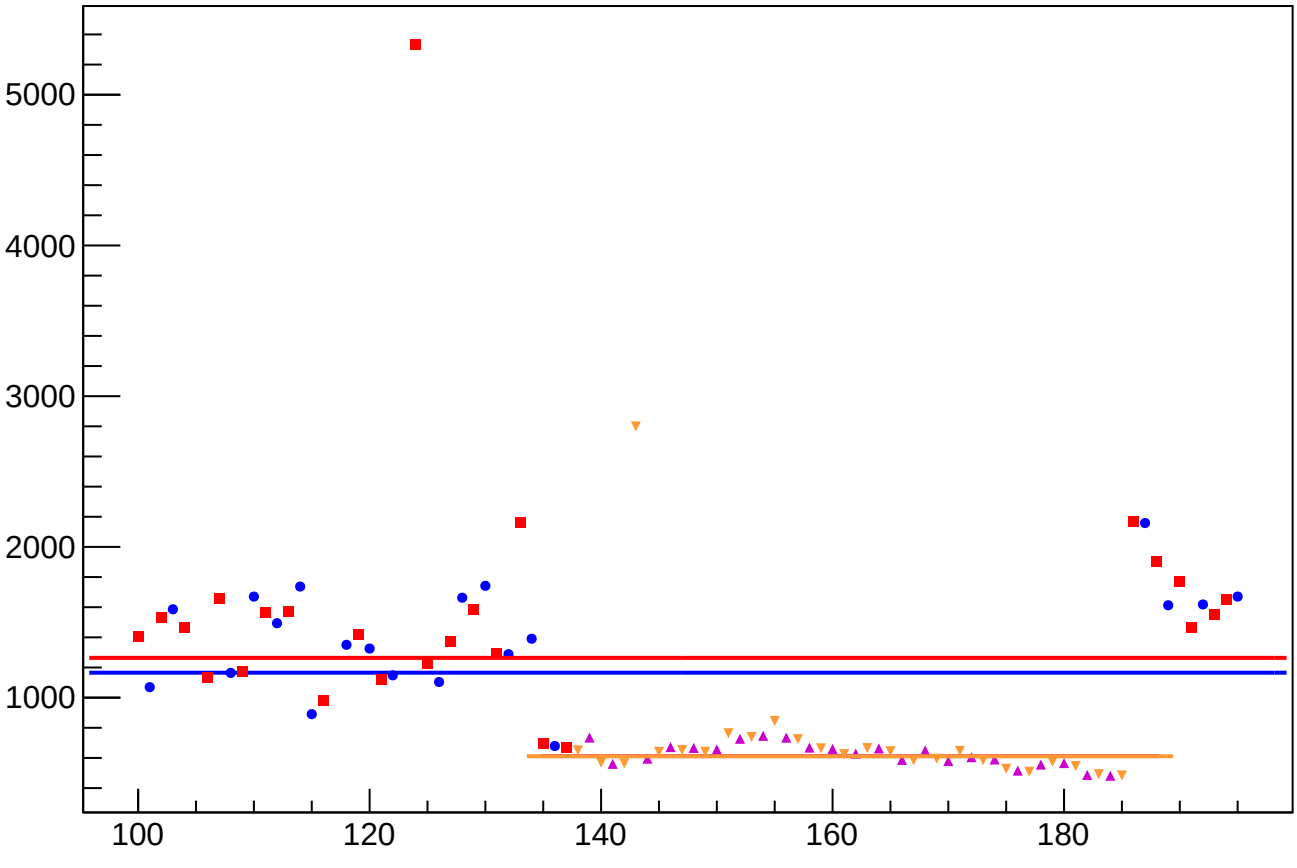
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 92.981+/-280.968 χ^2/NDF: 51.4/44

In: 6.310+/-135.429 χ^2/NDF:52.2/42

Out: 448.478+/-133.969 χ^2/NDF:89.2/49

All: 229.789+/-95.242 χ^2/NDF: 146.8/92



Right In: 1165.539+/-0.278 χ^2/NDF: 1905480.8/19

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1263.924+/-0.284 χ^2/NDF: 2179131.5/24

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

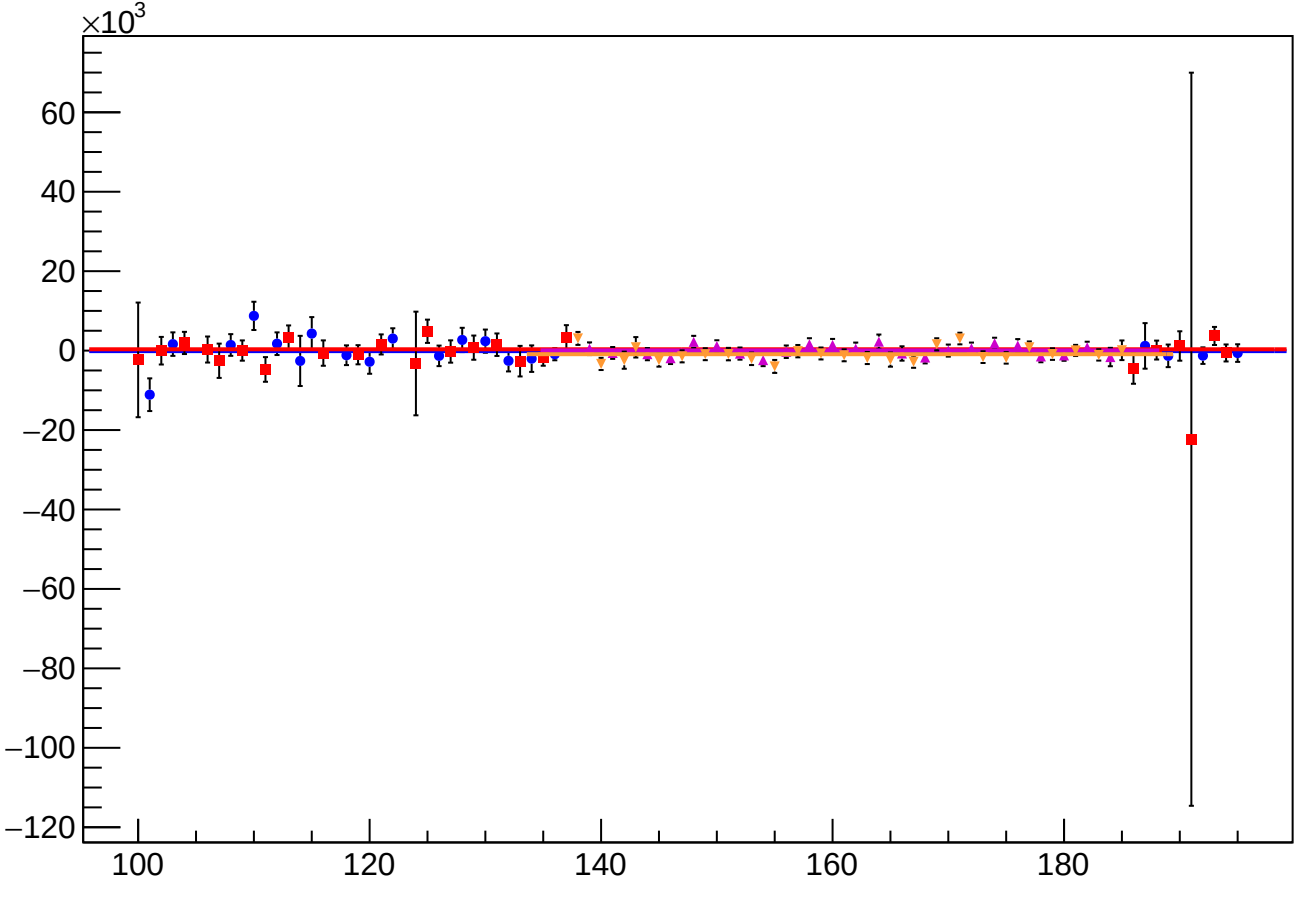
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1213.808+/-0.199 χ^2/NDF: 4145898.4/44

In: 677.861+/-0.096 χ^2/NDF:5895327.7/42

Out: 683.905+/-0.095 χ^2/NDF:8504980.3/49

All: 680.915+/-0.067 χ^2/NDF: 14402321.1/92



Right In: -128.519+/-616.093 χ^2/NDF: 22.0/19

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 335.810+/-600.826 χ^2/NDF: 14.4/24

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

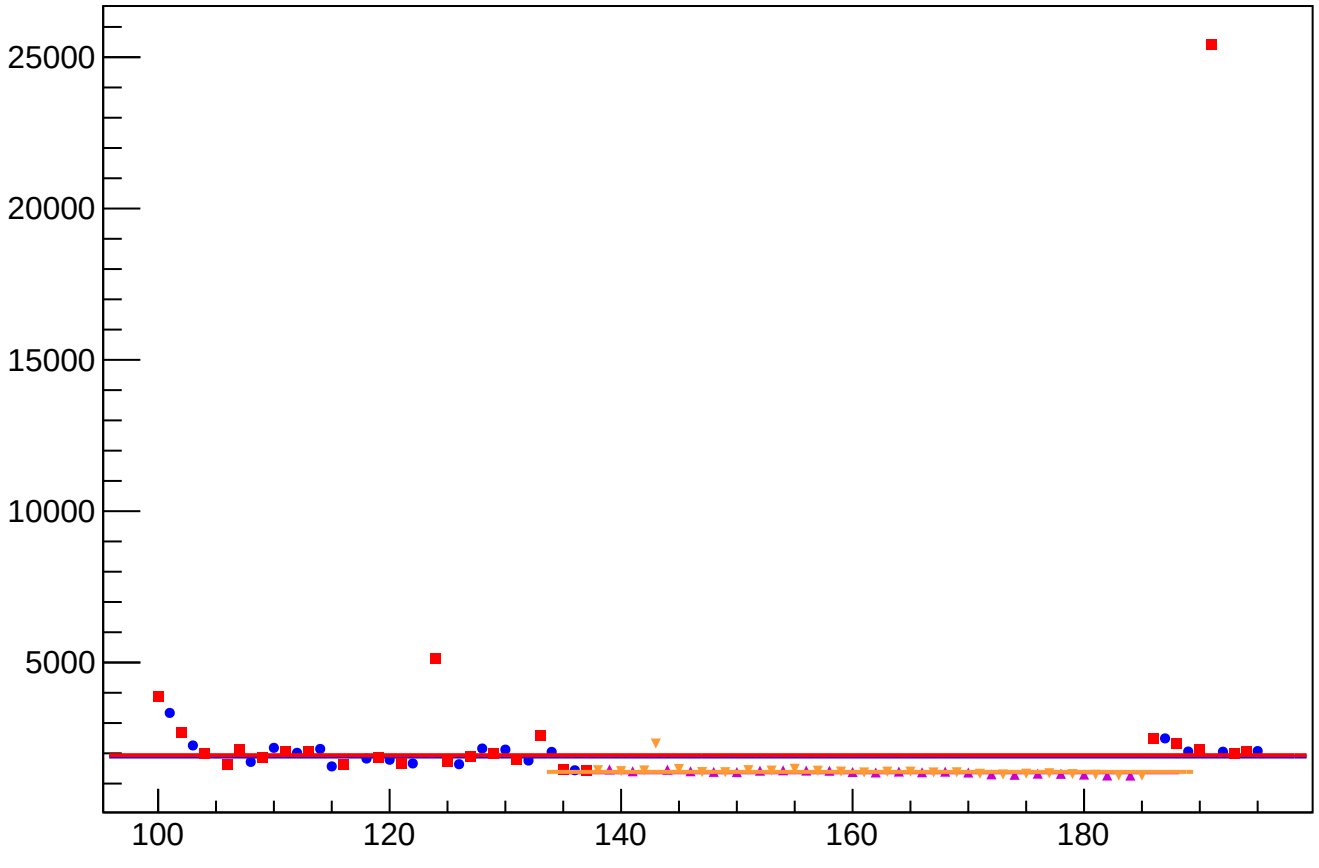
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 109.470+/-430.144 χ^2/NDF: 36.6/44

In: 10.465+/-284.627 χ^2/NDF:39.9/42

Out: -631.548+/-279.988 χ^2/NDF:47.5/49

All: -315.816+/-199.602 χ^2/NDF: 90.0/92



Right In: 1893.774+/-0.436 χ^2/NDF: 622346.5/19

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1937.680+/-0.425 χ^2/NDF: 783082.2/24

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

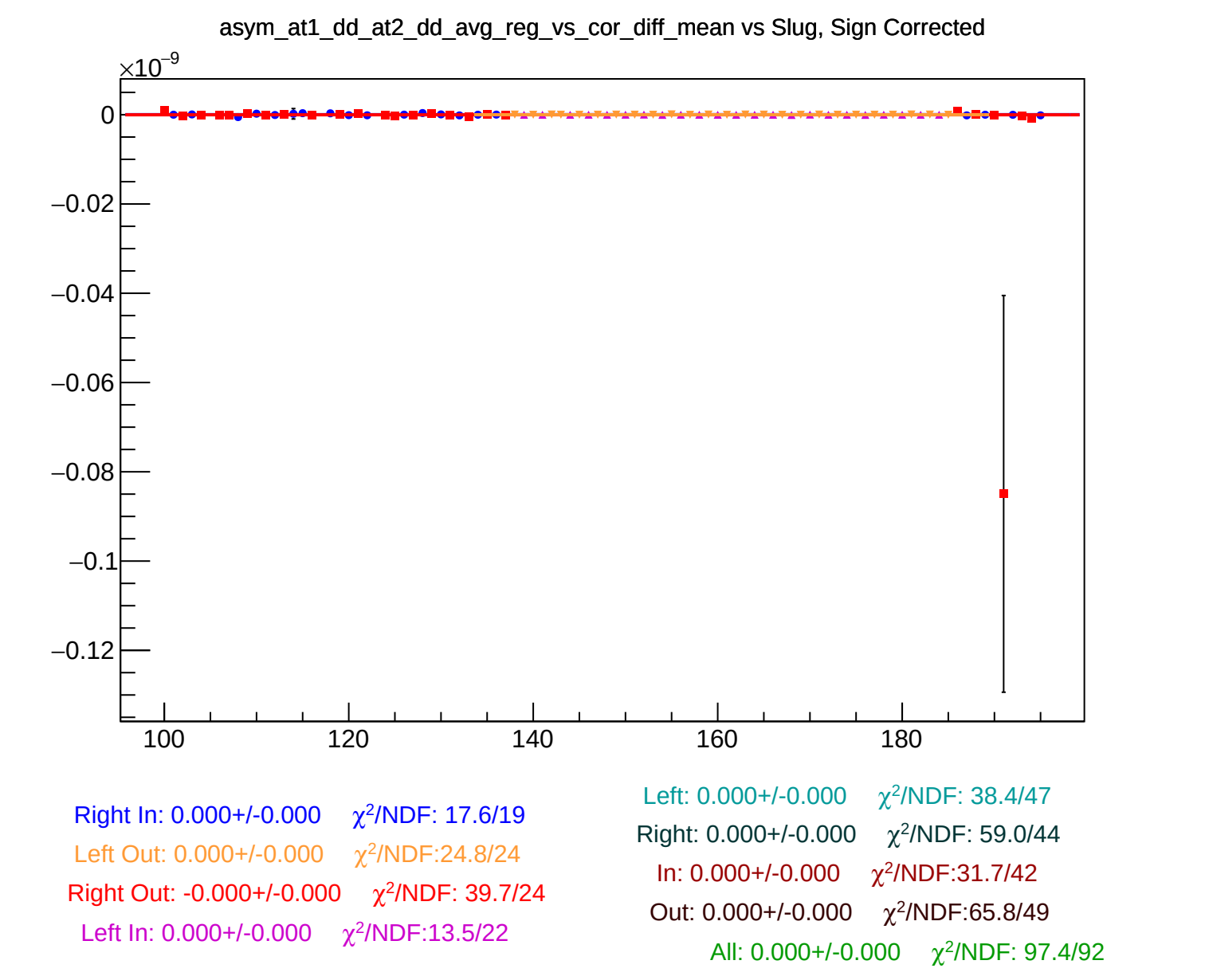
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1916.278+/-0.304 χ^2/NDF: 1410634.9/44

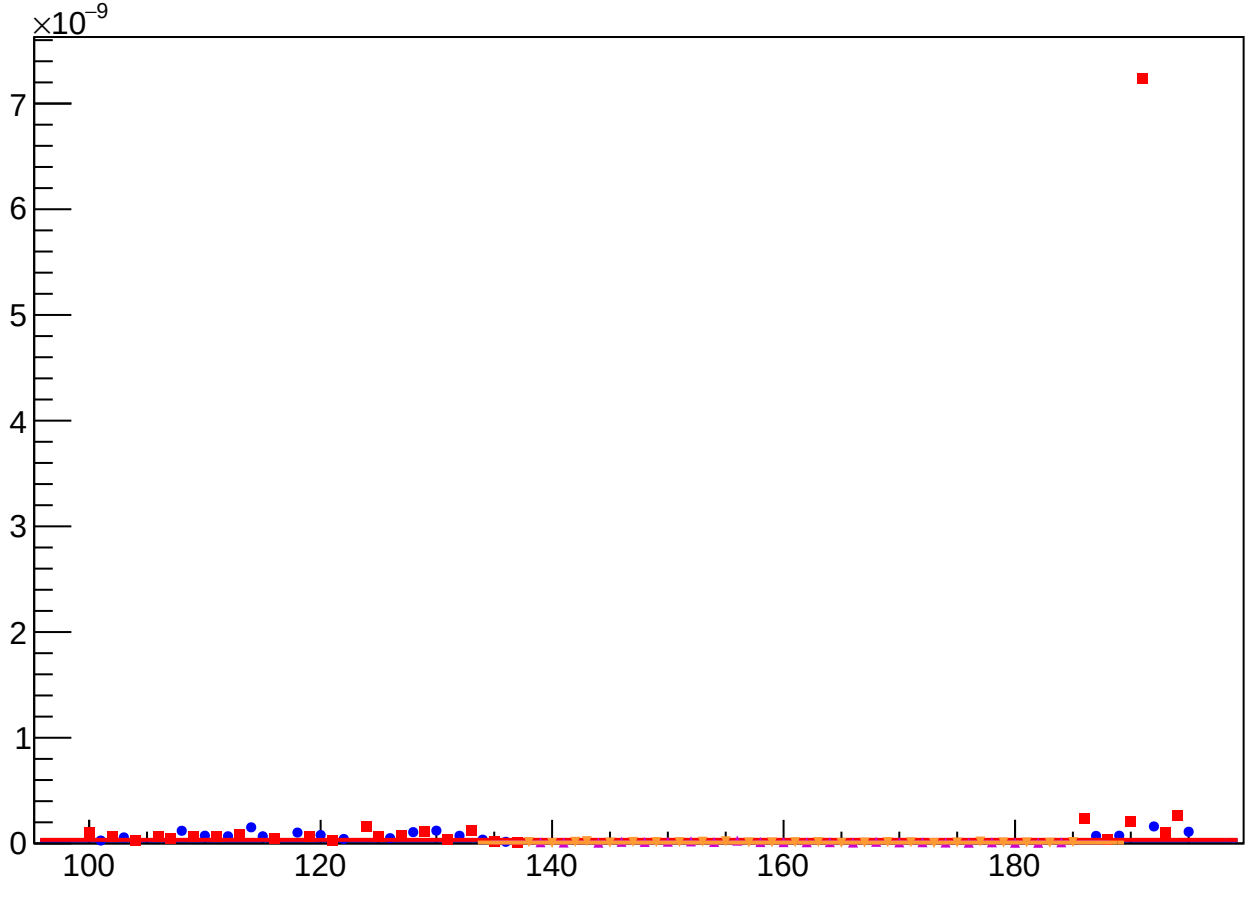
In: 1484.321+/-0.201 χ^2/NDF:1809896.1/42

Out: 1506.466+/-0.198 χ^2/NDF:2438870.4/49

All: 1495.575+/-0.141 χ^2/NDF: 4254919.7/92


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻⁹
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 17.6/19
Left Out: 0.000+/-0.000 χ²/NDF:24.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 39.7/24
Left In: 0.000+/-0.000 χ²/NDF:13.5/22
Left: 0.000+/-0.000 χ²/NDF: 38.4/47
Right: 0.000+/-0.000 χ²/NDF: 59.0/44
In: 0.000+/-0.000 χ²/NDF:31.7/42
Out: 0.000+/-0.000 χ²/NDF:65.8/49
All: 0.000+/-0.000 χ²/NDF: 97.4/92

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3648903.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3953352.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

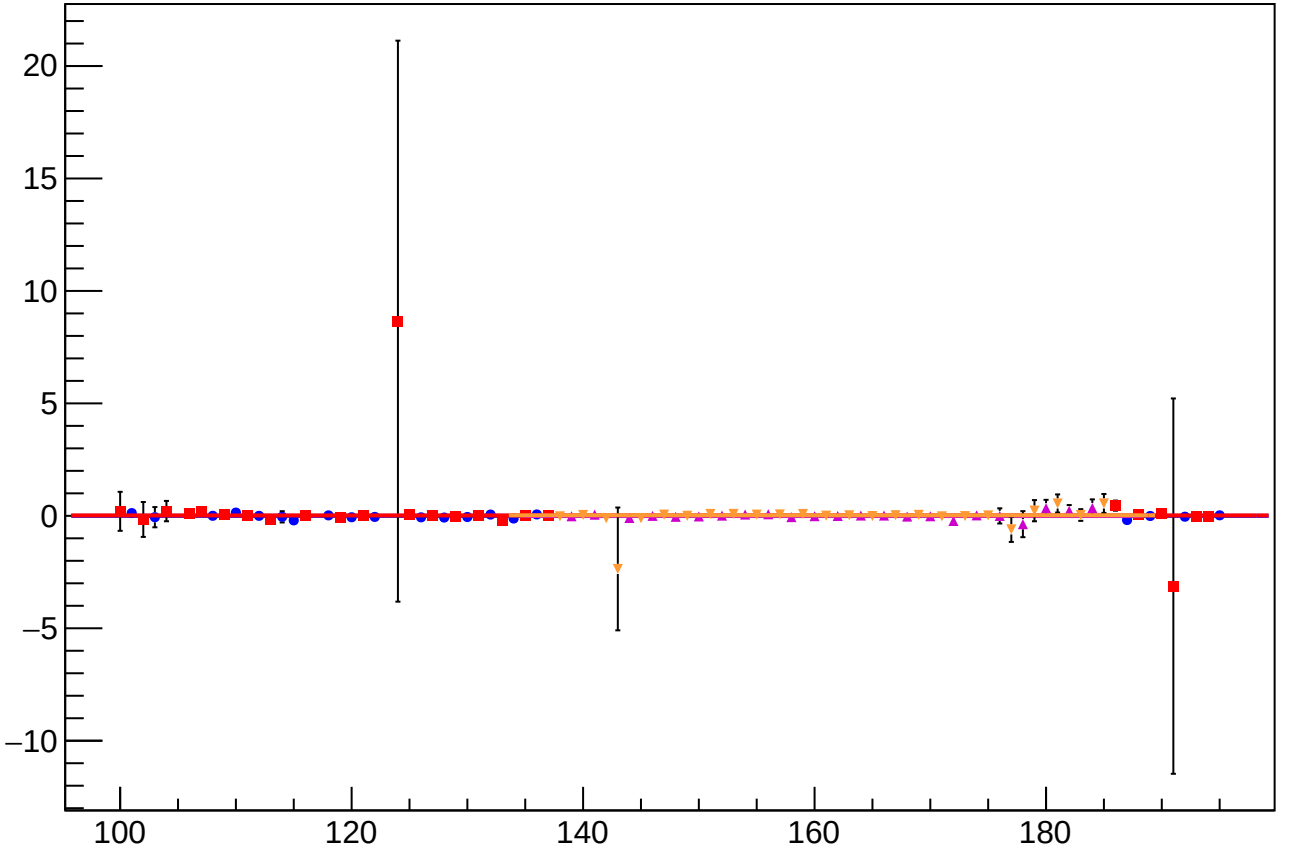
Right: 0.000+/-0.000 χ^2/NDF: 7672348.6/44

In: 0.000+/-0.000 χ^2/NDF:6752874.4/42

Out: 0.000+/-0.000 χ^2/NDF:8962075.8/49

All: 0.000+/-0.000 χ^2/NDF: 15983039.7/92

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

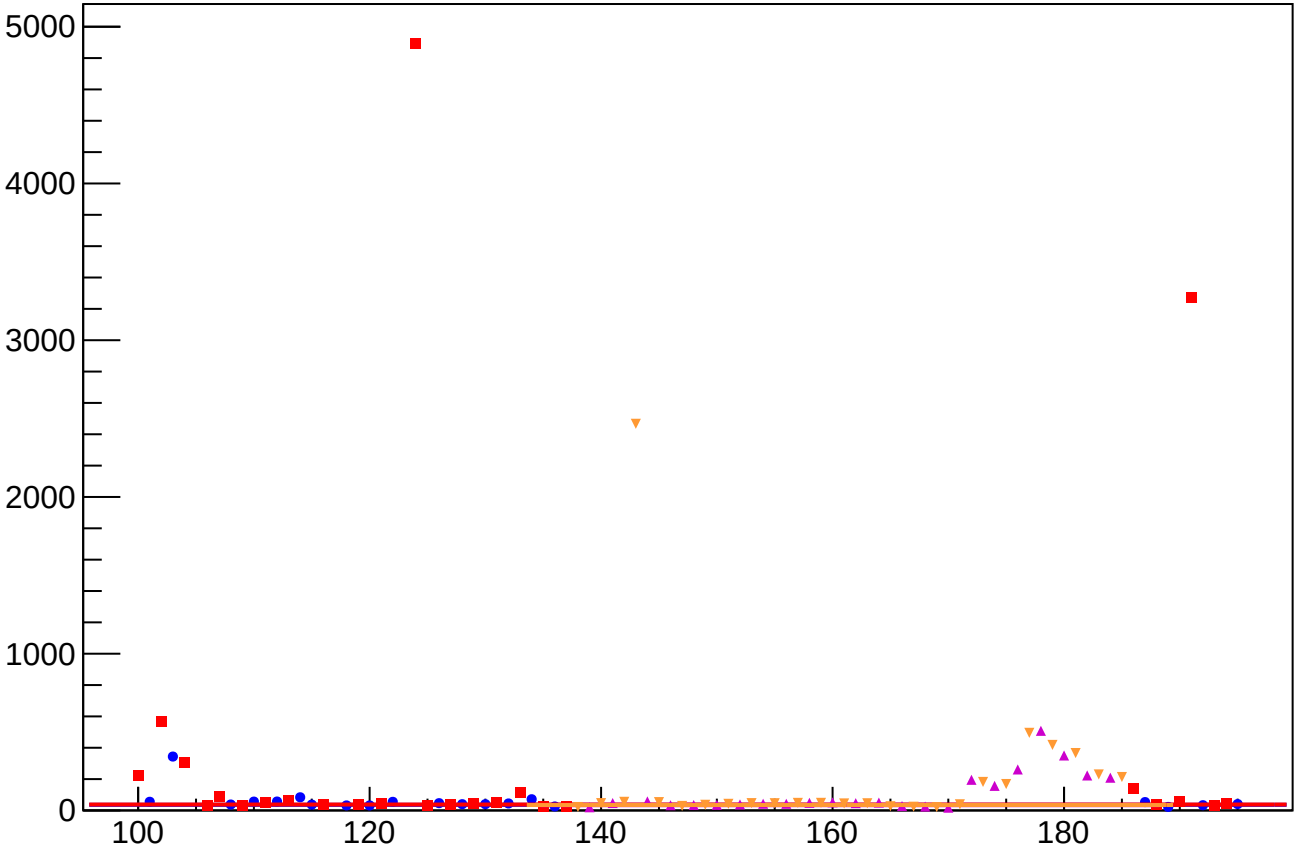
Right: 0.008+/-0.010 χ^2/NDF: 44.1/44

In: -0.006+/-0.008 χ^2/NDF:38.1/42

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.2/92

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.858+/-0.009 χ^2/NDF: 2281000.2/19

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

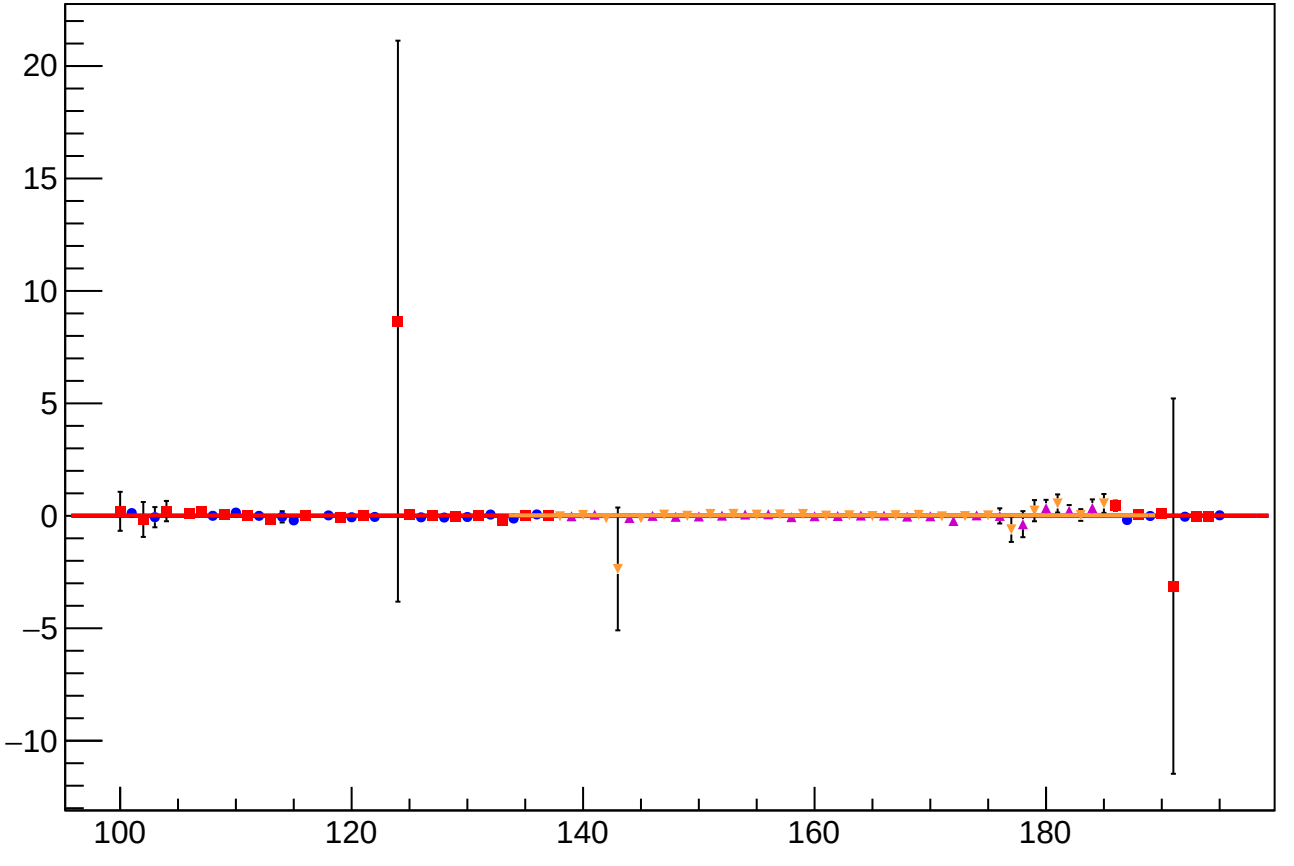
Right: 36.816+/-0.007 χ^2/NDF: 6398536.6/44

In: 34.403+/-0.006 χ^2/NDF:12385641.9/42

Out: 35.767+/-0.006 χ^2/NDF:15569098.3/49

All: 35.066+/-0.004 χ^2/NDF: 27983239.6/92

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

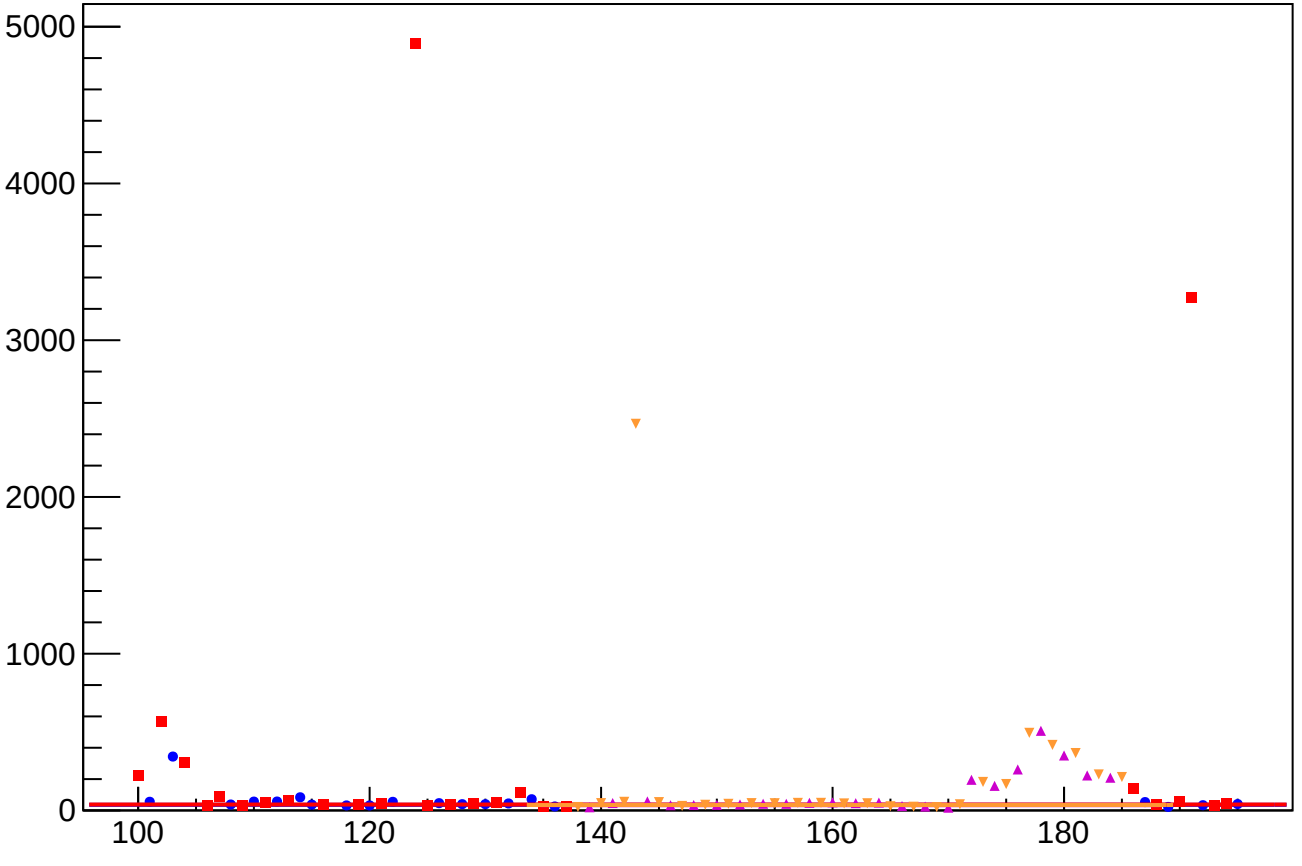
Right: 0.008+/-0.010 χ^2/NDF: 44.1/44

In: -0.006+/-0.008 χ^2/NDF:38.1/42

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.2/92

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.858+/-0.009 χ^2/NDF: 2281000.2/19

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

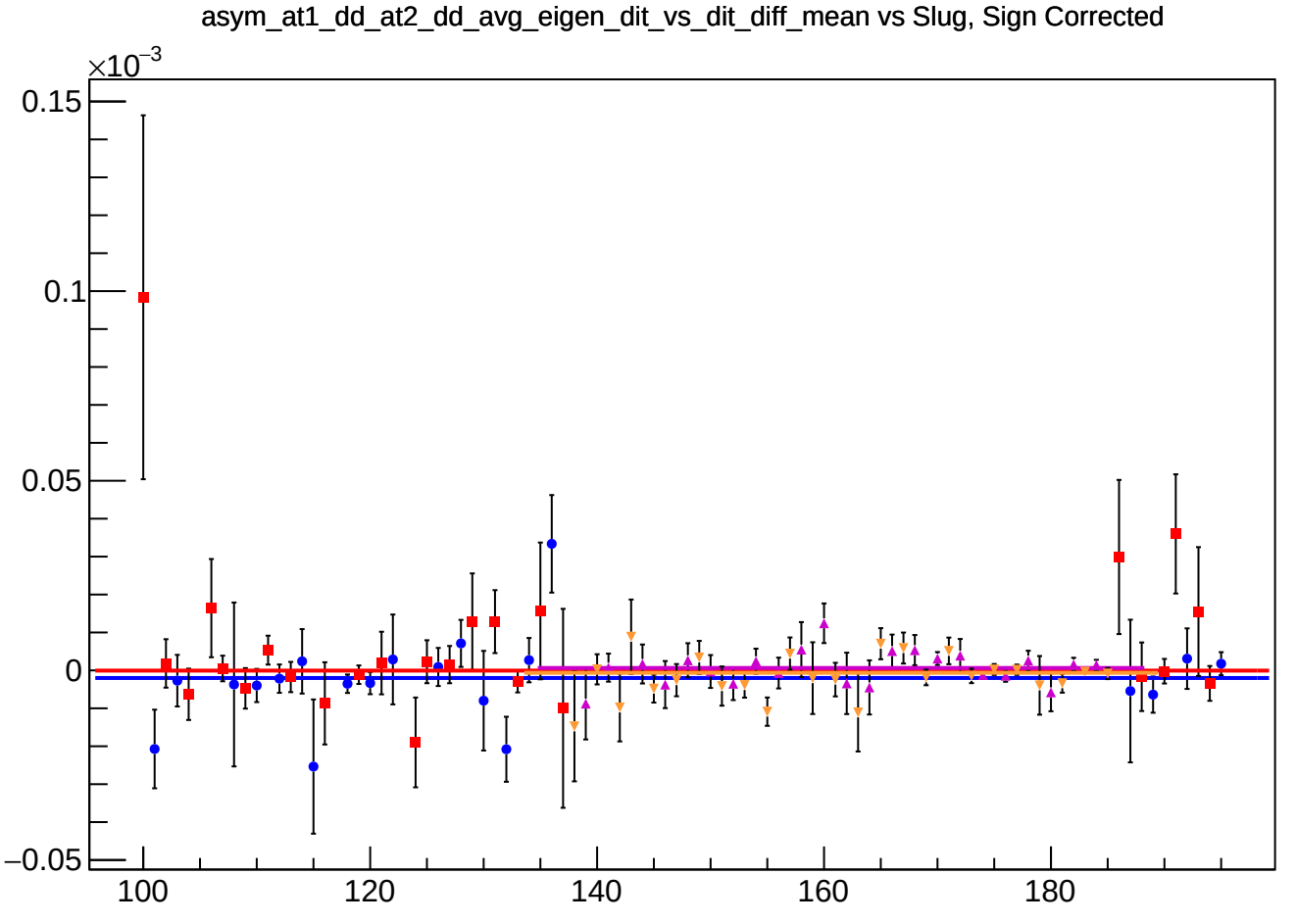
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.816+/-0.007 χ^2/NDF: 6398536.6/44

In: 34.403+/-0.006 χ^2/NDF:12385641.9/42

Out: 35.767+/-0.006 χ^2/NDF:15569098.3/49

All: 35.066+/-0.004 χ^2/NDF: 27983239.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

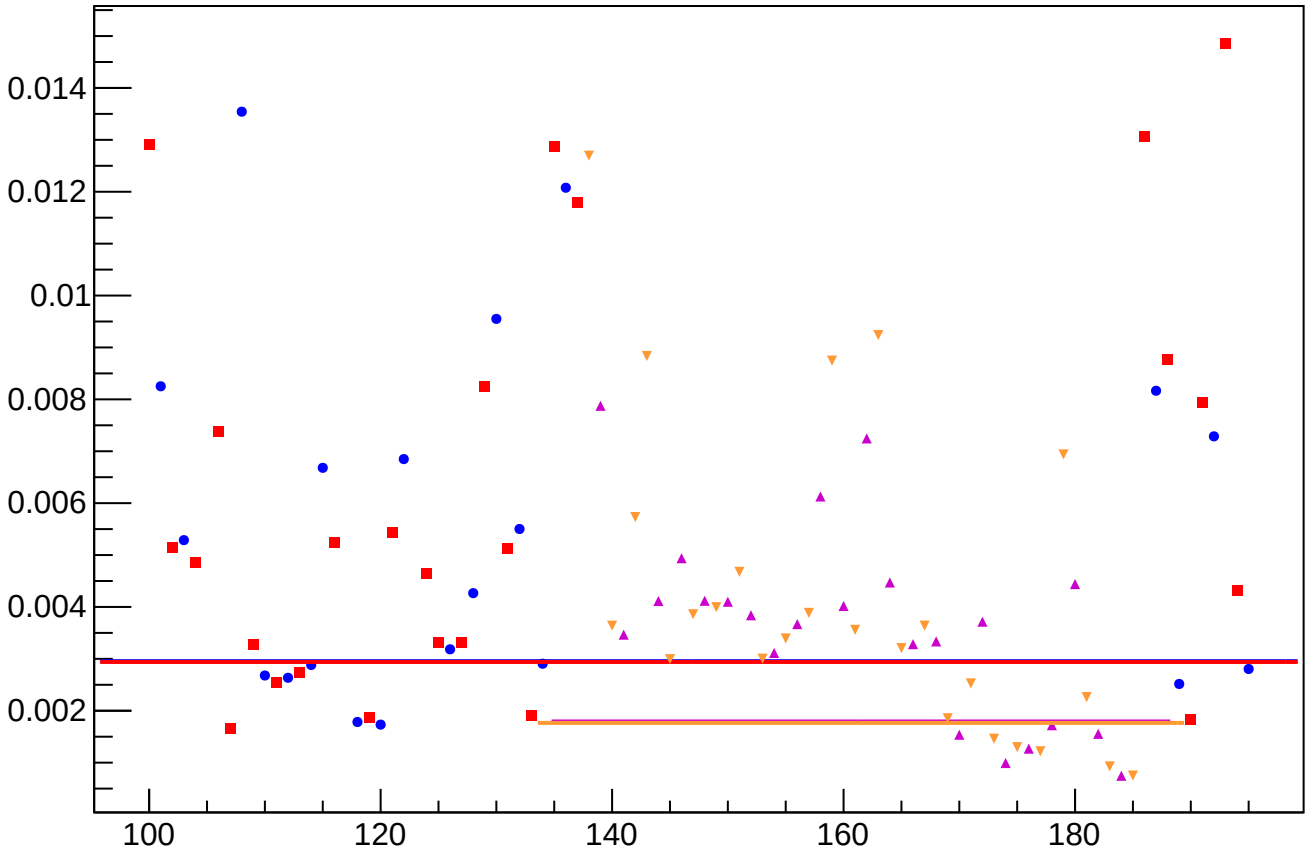
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 54.1/44

In: 0.000+/-0.000 χ^2/NDF:51.1/42

Out: -0.000+/-0.000 χ^2/NDF:56.4/49

All: -0.000+/-0.000 χ^2/NDF: 108.4/92



Right In: 0.003+/-0.000 χ^2/NDF: 4924393.0/19

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6280650.5/24

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

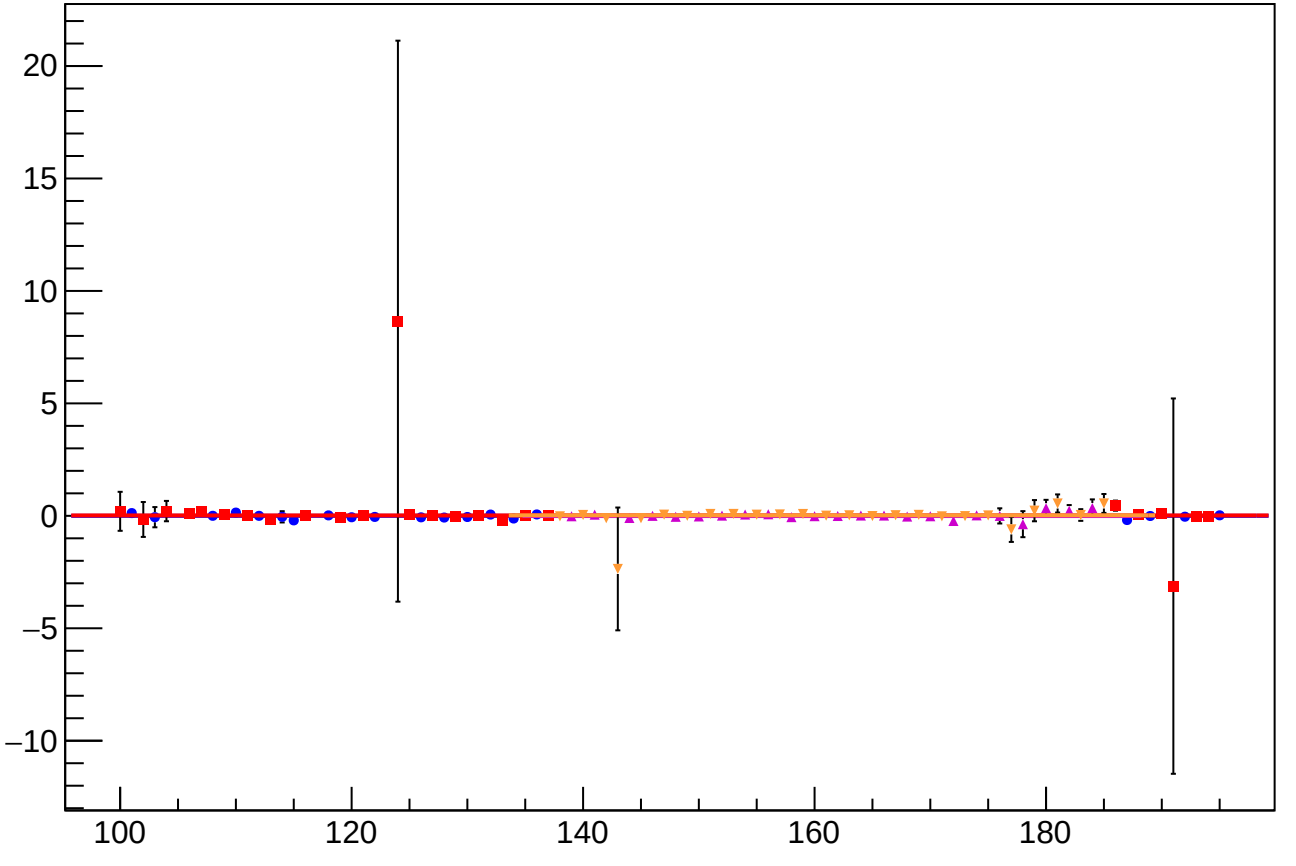
Right: 0.003+/-0.000 χ^2/NDF: 11205215.3/44

In: 0.002+/-0.000 χ^2/NDF:17360619.0/42

Out: 0.002+/-0.000 χ^2/NDF:21197765.1/49

All: 0.002+/-0.000 χ^2/NDF: 38559735.7/92

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

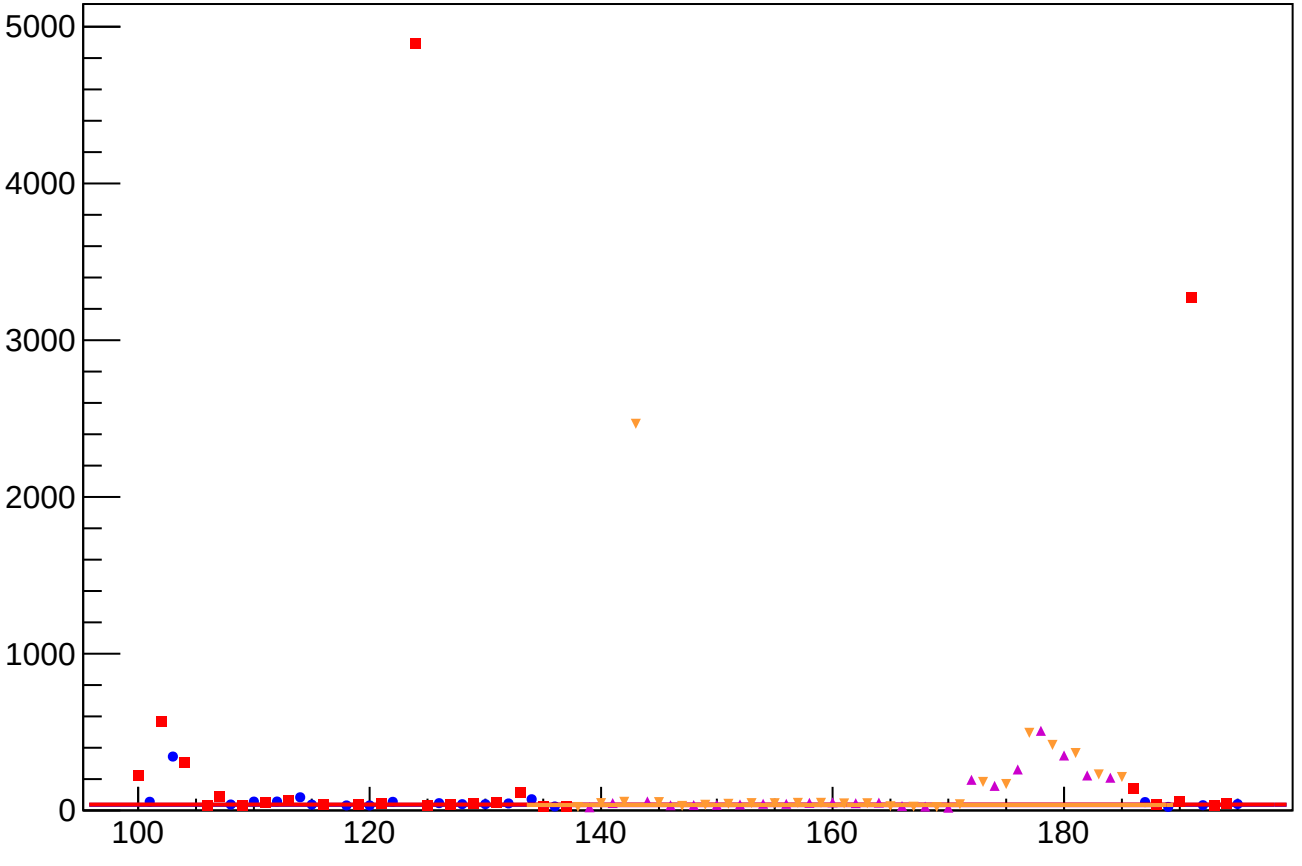
Right: 0.008+/-0.010 χ^2/NDF: 44.1/44

In: -0.006+/-0.008 χ^2/NDF:38.1/42

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.2/92

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

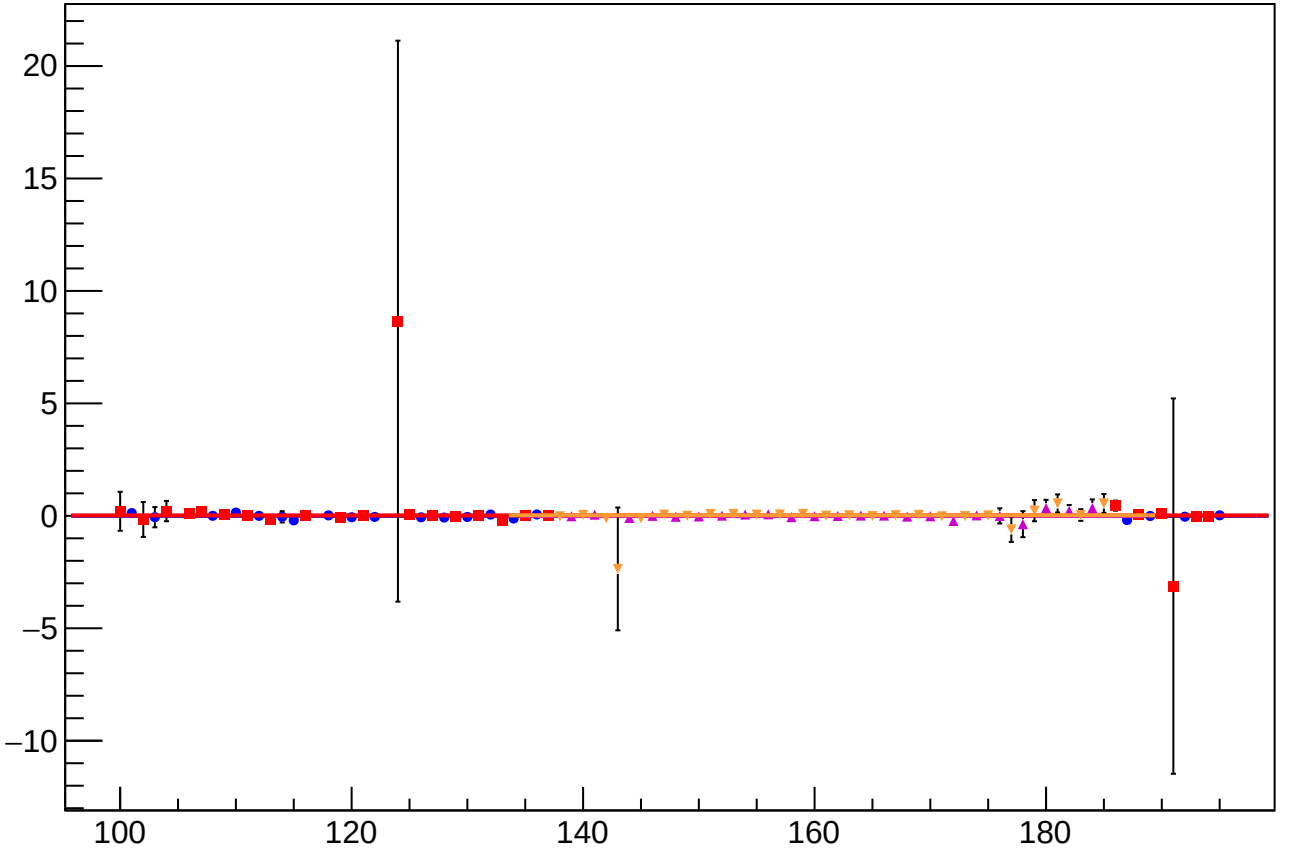
Right: 36.817+/-0.007 χ^2/NDF: 6397562.1/44

In: 34.405+/-0.006 χ^2/NDF:12383715.3/42

Out: 35.766+/-0.006 χ^2/NDF:15568993.5/49

All: 35.067+/-0.004 χ^2/NDF: 27981096.0/92

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.013 χ^2/NDF: 23.0/19

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

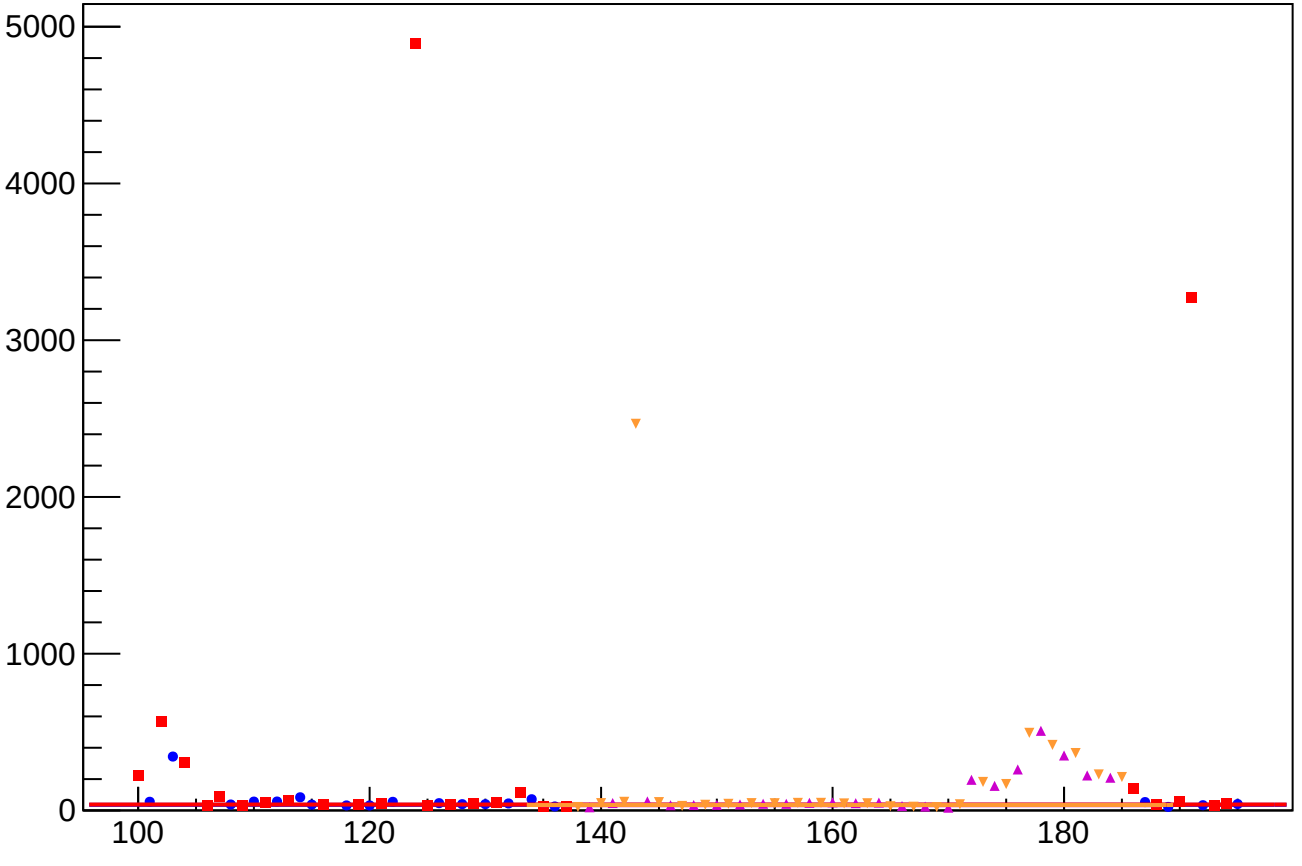
Right: 0.008+/-0.010 χ^2/NDF: 44.1/44

In: -0.006+/-0.008 χ^2/NDF:38.1/42

Out: 0.021+/-0.008 χ^2/NDF:43.3/49

All: 0.007+/-0.006 χ^2/NDF: 87.2/92

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.860+/-0.009 χ^2/NDF: 2280349.8/19

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

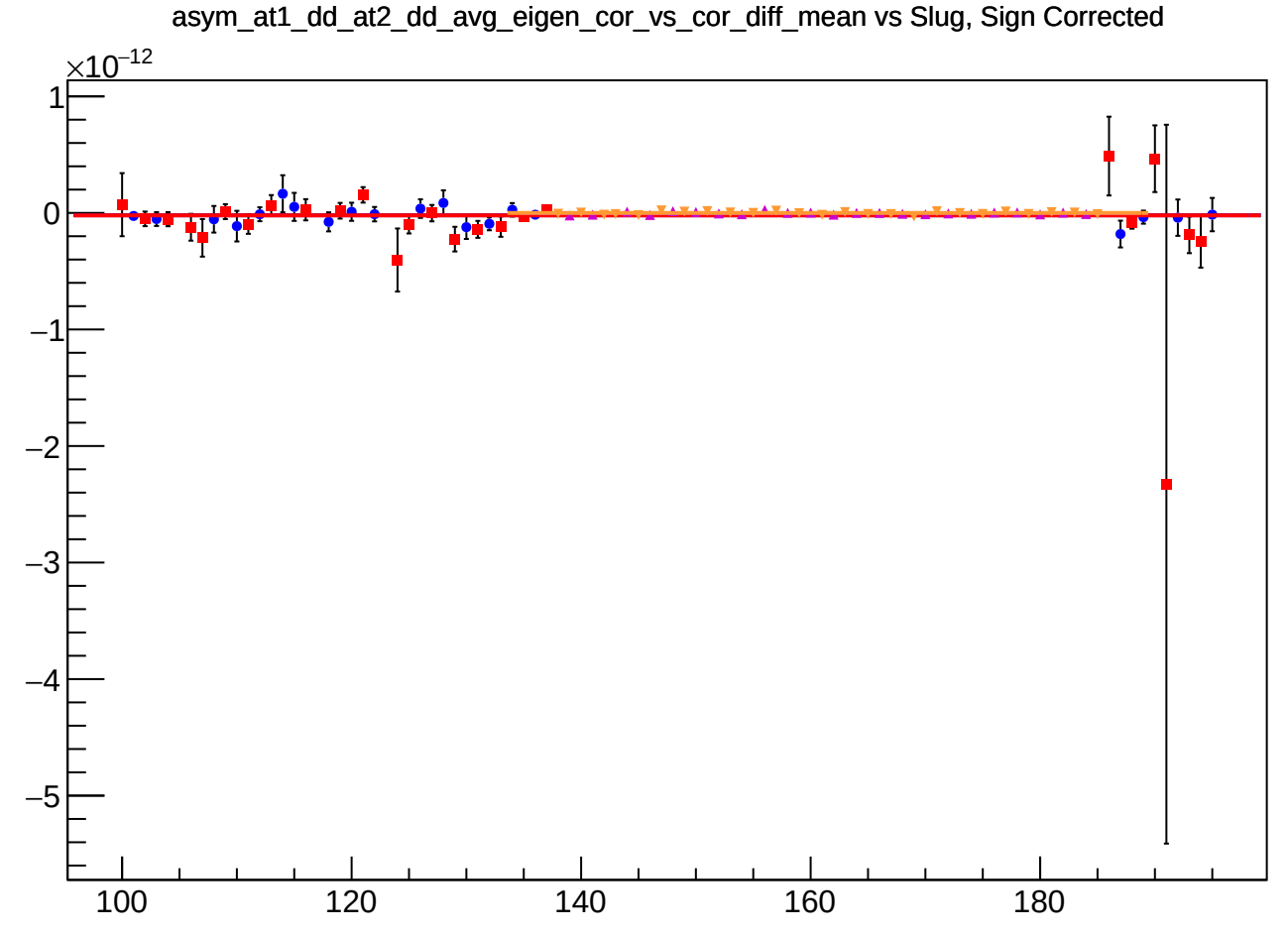
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 36.817+/-0.007 χ^2/NDF: 6397562.1/44

In: 34.405+/-0.006 χ^2/NDF:12383715.3/42

Out: 35.766+/-0.006 χ^2/NDF:15568993.5/49

All: 35.067+/-0.004 χ^2/NDF: 27981096.0/92



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/24

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

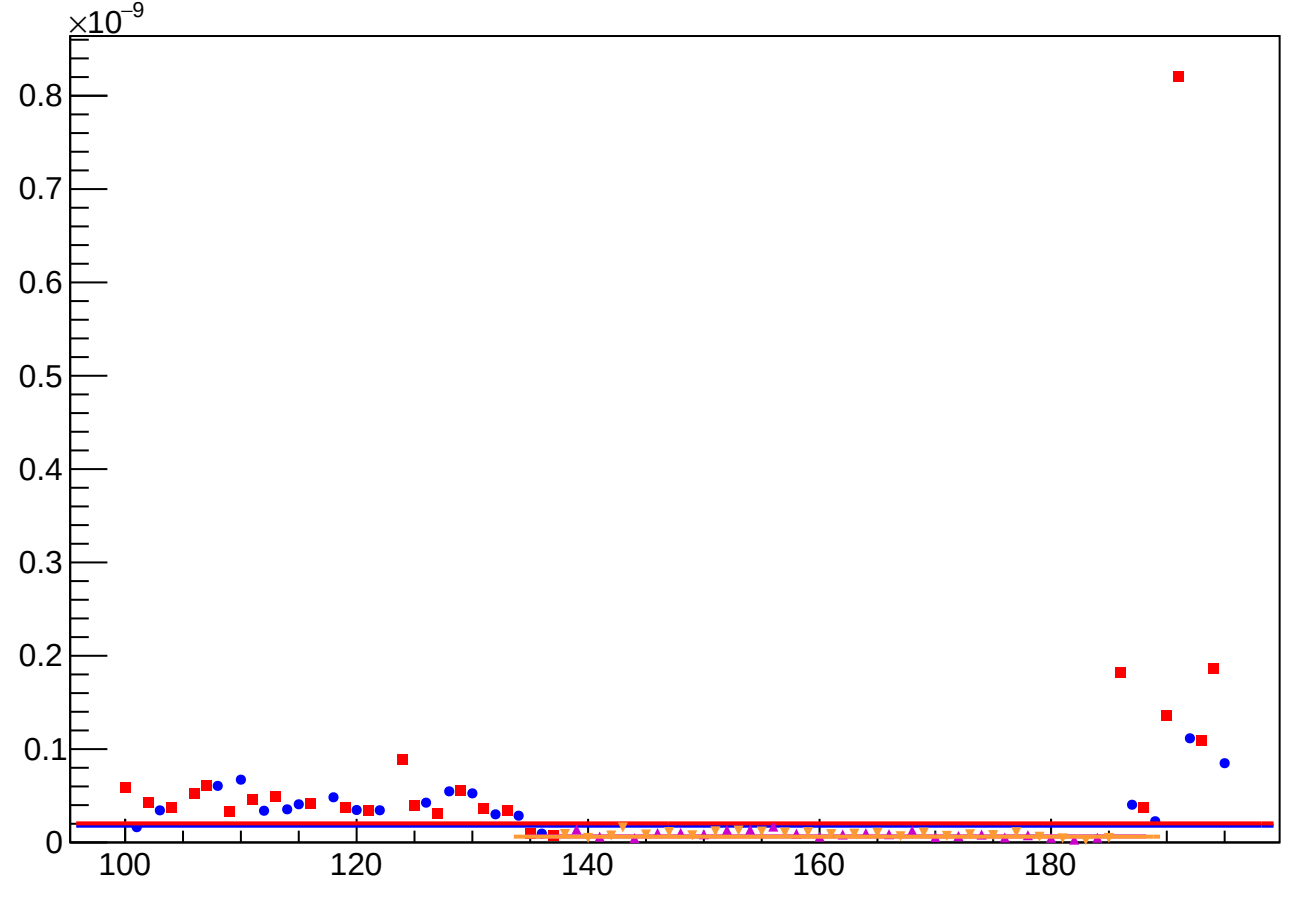
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.3/44

In: -0.000+/-0.000 χ^2/NDF:33.6/42

Out: -0.000+/-0.000 χ^2/NDF:66.5/49

All: -0.000+/-0.000 χ^2/NDF: 100.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 4478406.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6635620.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

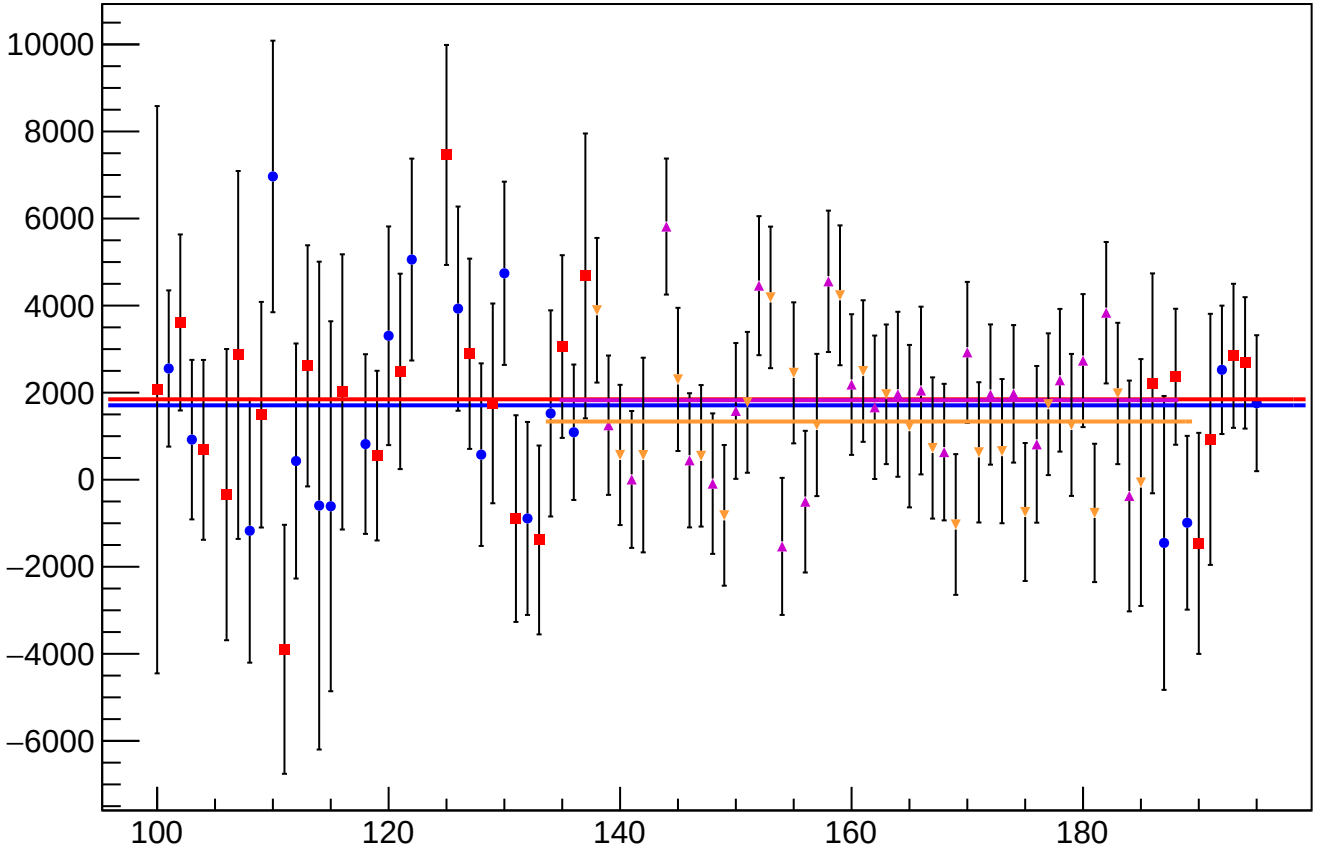
Right: 0.000+/-0.000 χ^2/NDF: 11172886.7/44

In: 0.000+/-0.000 χ^2/NDF:11155348.0/42

Out: 0.000+/-0.000 χ^2/NDF:15107973.1/49

All: 0.000+/-0.000 χ^2/NDF: 26289528.5/92

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1708.466+/-484.355 χ^2/NDF: 15.3/19

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1847.119+/-470.186 χ^2/NDF: 18.6/23

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

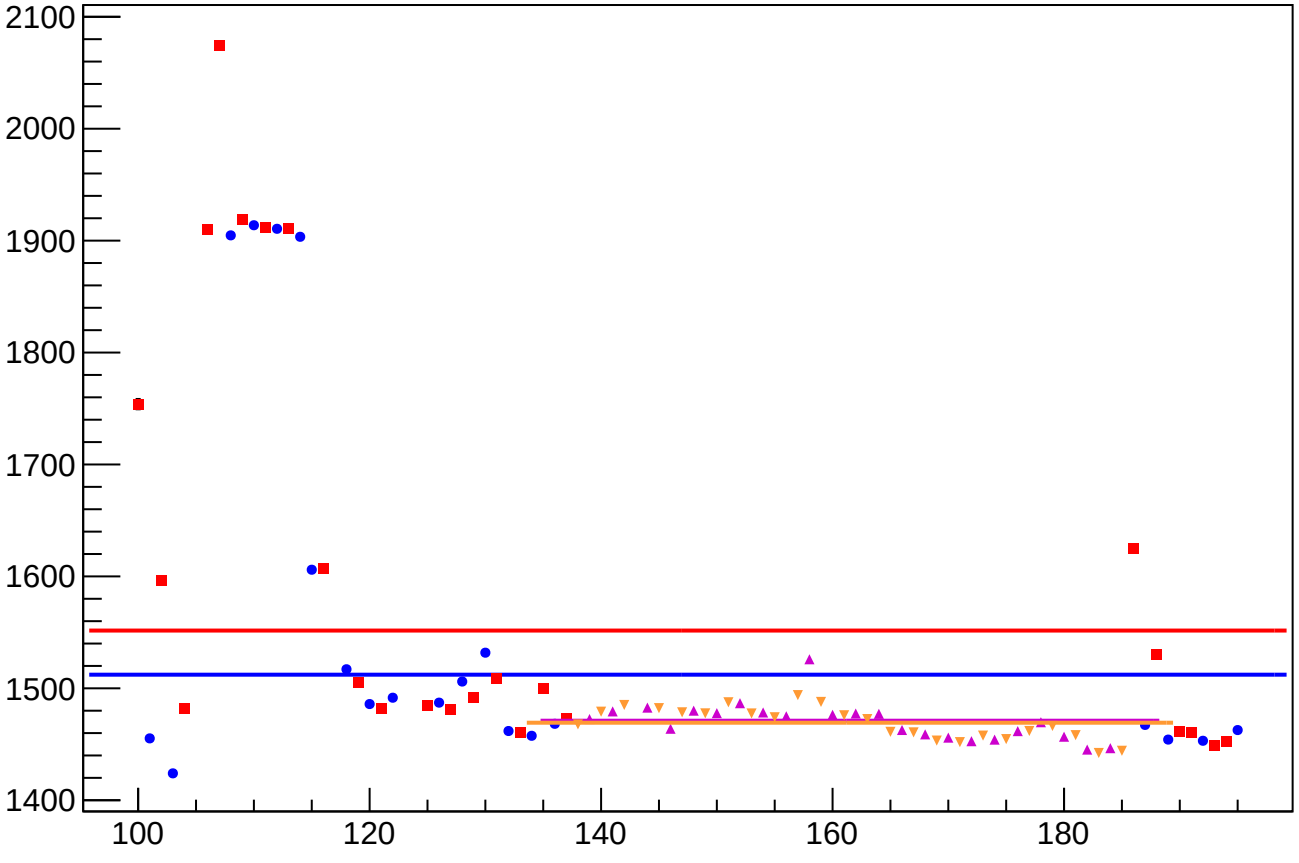
Right: 1779.850+/-337.370 χ^2/NDF: 34.0/43

In: 1787.069+/-280.182 χ^2/NDF:41.8/42

Out: 1512.843+/-276.052 χ^2/NDF:38.6/47

All: 1647.920+/-196.642 χ^2/NDF: 80.9/90

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1512.178+/-0.342 χ^2/NDF: 139375.1/19

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1551.609+/-0.332 χ^2/NDF: 202254.4/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

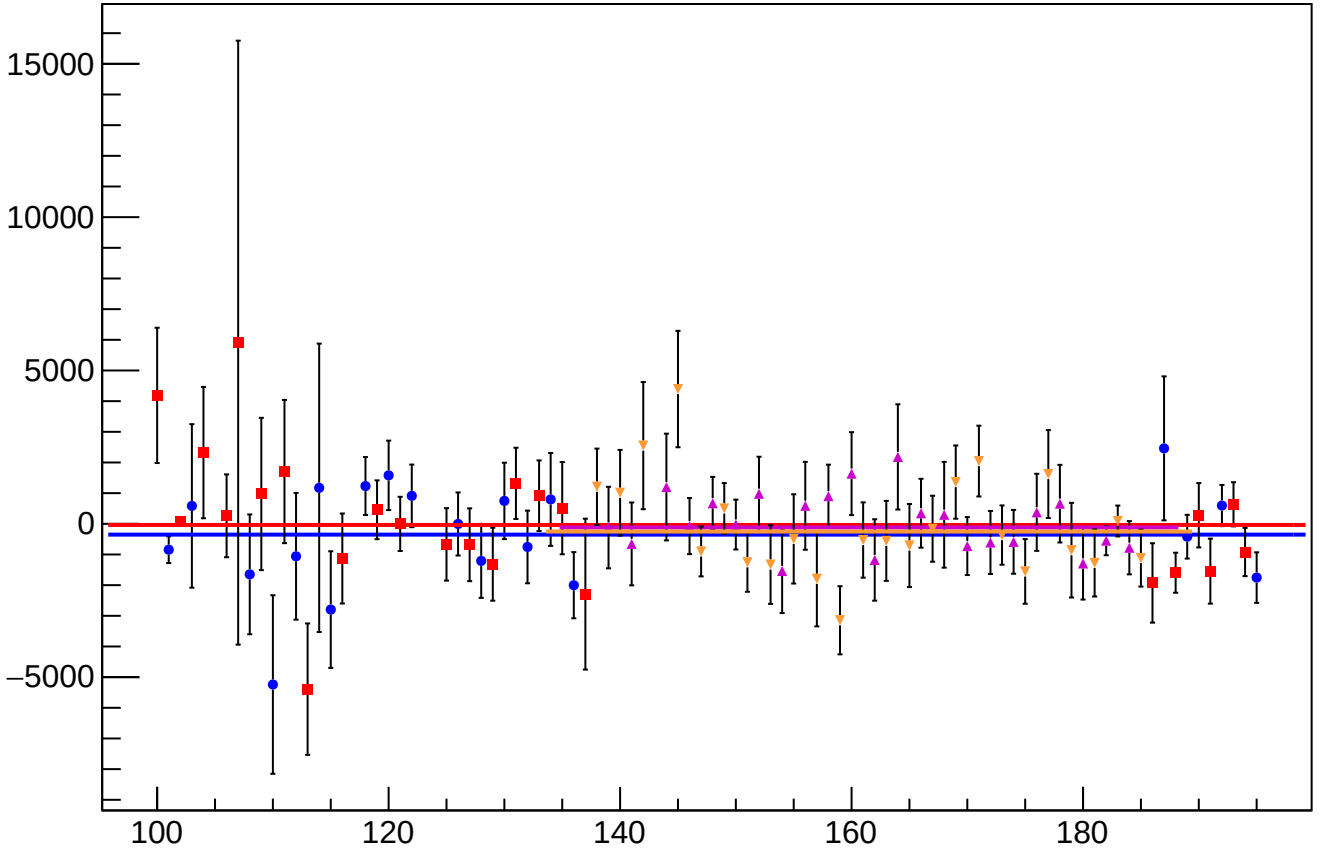
Right: 1532.479+/-0.239 χ^2/NDF: 348453.6/43

In: 1484.815+/-0.198 χ^2/NDF:153610.8/42

Out: 1497.650+/-0.195 χ^2/NDF:245604.8/47

All: 1491.328+/-0.139 χ^2/NDF: 401345.3/90

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -352.170+/-227.471 χ^2/NDF: 24.5/19

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -37.263+/-119.862 χ^2/NDF: 30.4/23

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

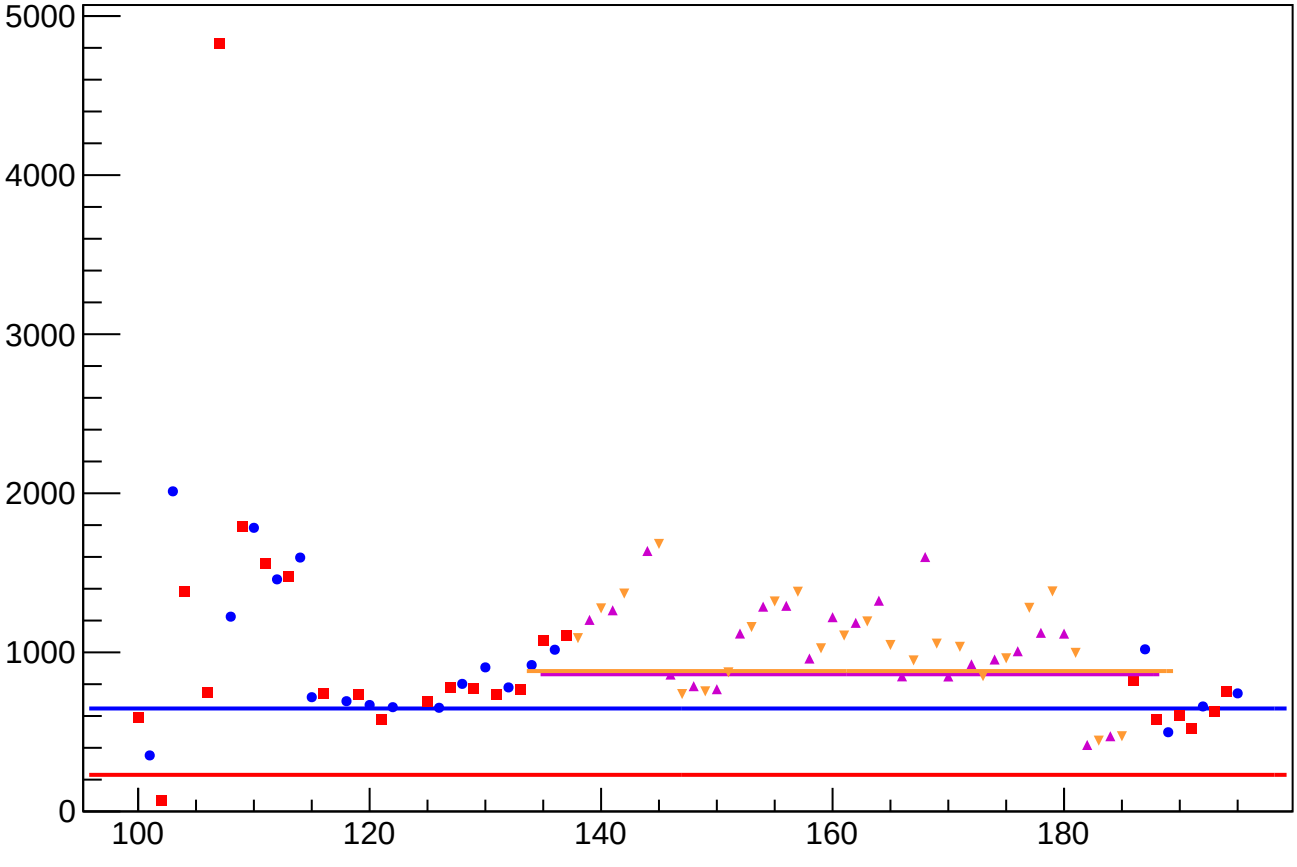
Right: -105.698+/-106.041 χ^2/NDF: 56.5/43

In: -229.966+/-156.624 χ^2/NDF:37.9/42

Out: -86.891+/-105.074 χ^2/NDF:63.9/47

All: -131.298+/-87.257 χ^2/NDF: 102.4/90

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 647.252+/-0.161 χ^2/NDF: 2928253.6/19

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 230.113+/-0.085 χ^2/NDF: 13030445.0/23

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

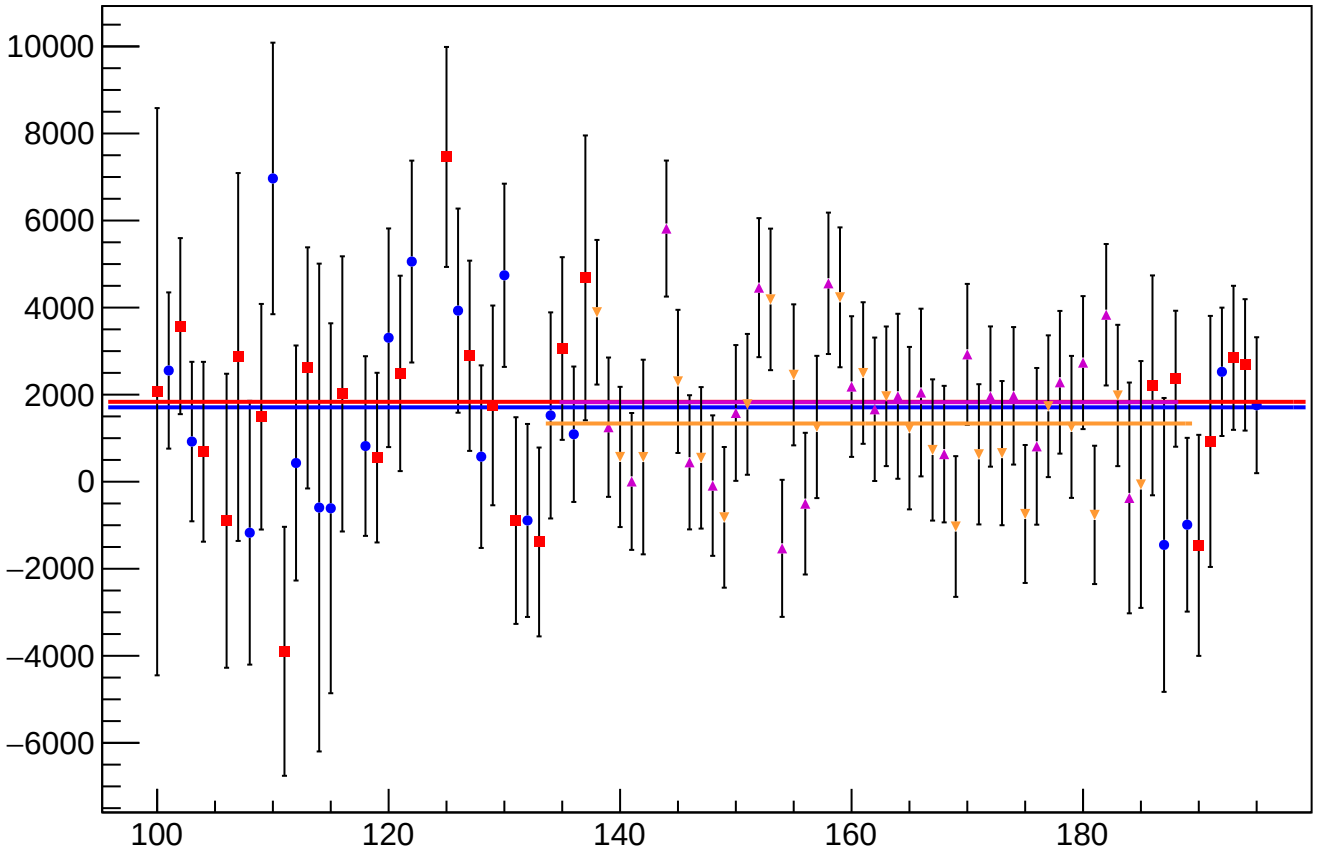
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 320.765+/-0.075 χ^2/NDF: 21222793.6/43

In: 760.346+/-0.111 χ^2/NDF:8237709.7/42

Out: 381.144+/-0.074 χ^2/NDF:30646560.6/47

All: 498.840+/-0.062 χ^2/NDF: 46969024.9/90



Right In: 1708.547+/-484.355 χ^2/NDF: 15.3/19

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1835.108+/-470.278 χ^2/NDF: 18.8/23

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

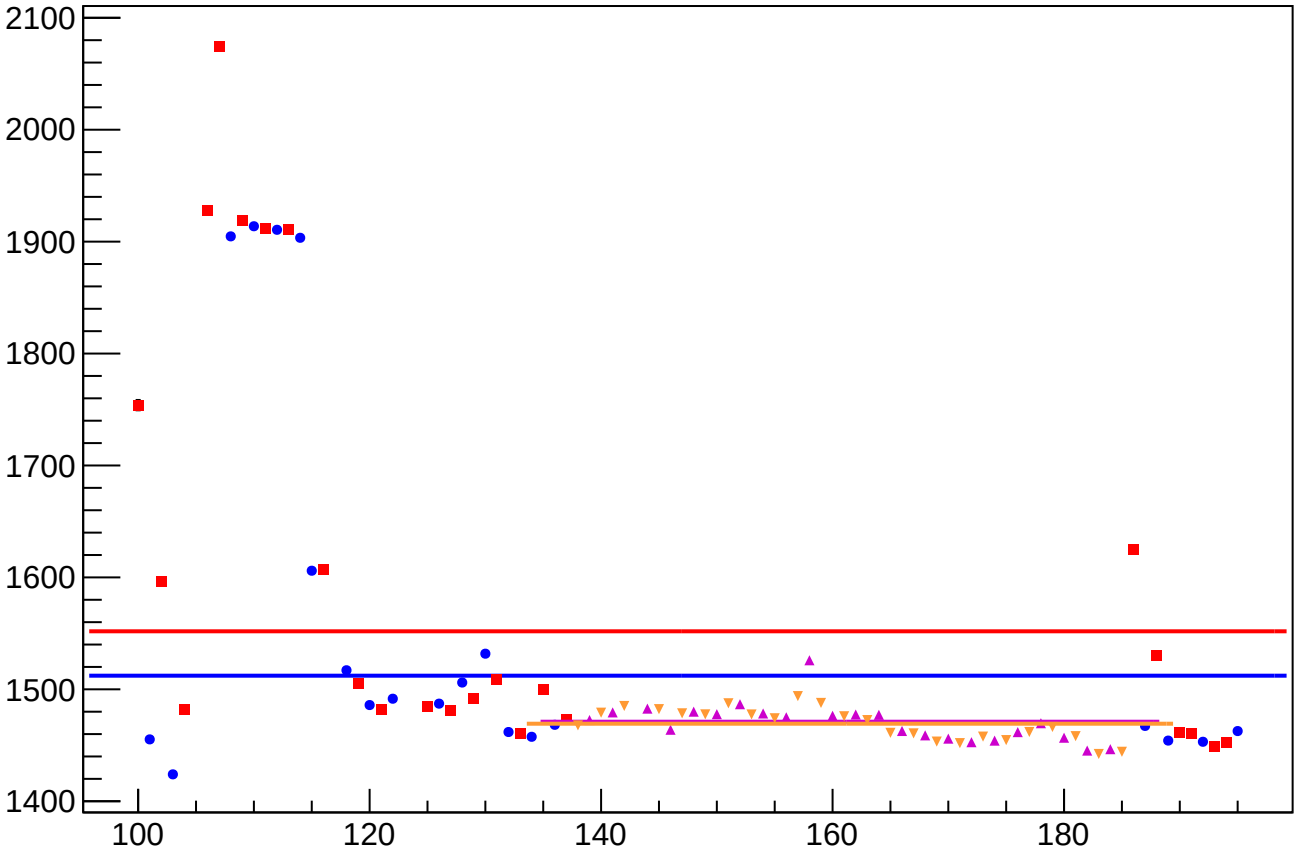
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1773.693+/-337.404 χ^2/NDF: 34.2/43

In: 1787.126+/-280.182 χ^2/NDF:41.8/42

Out: 1508.666+/-276.070 χ^2/NDF:38.8/47

All: 1645.838+/-196.649 χ^2/NDF: 81.1/90



Right In: 1512.178+/-0.342 χ^2/NDF: 139375.1/19

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1551.839+/-0.333 χ^2/NDF: 204187.6/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

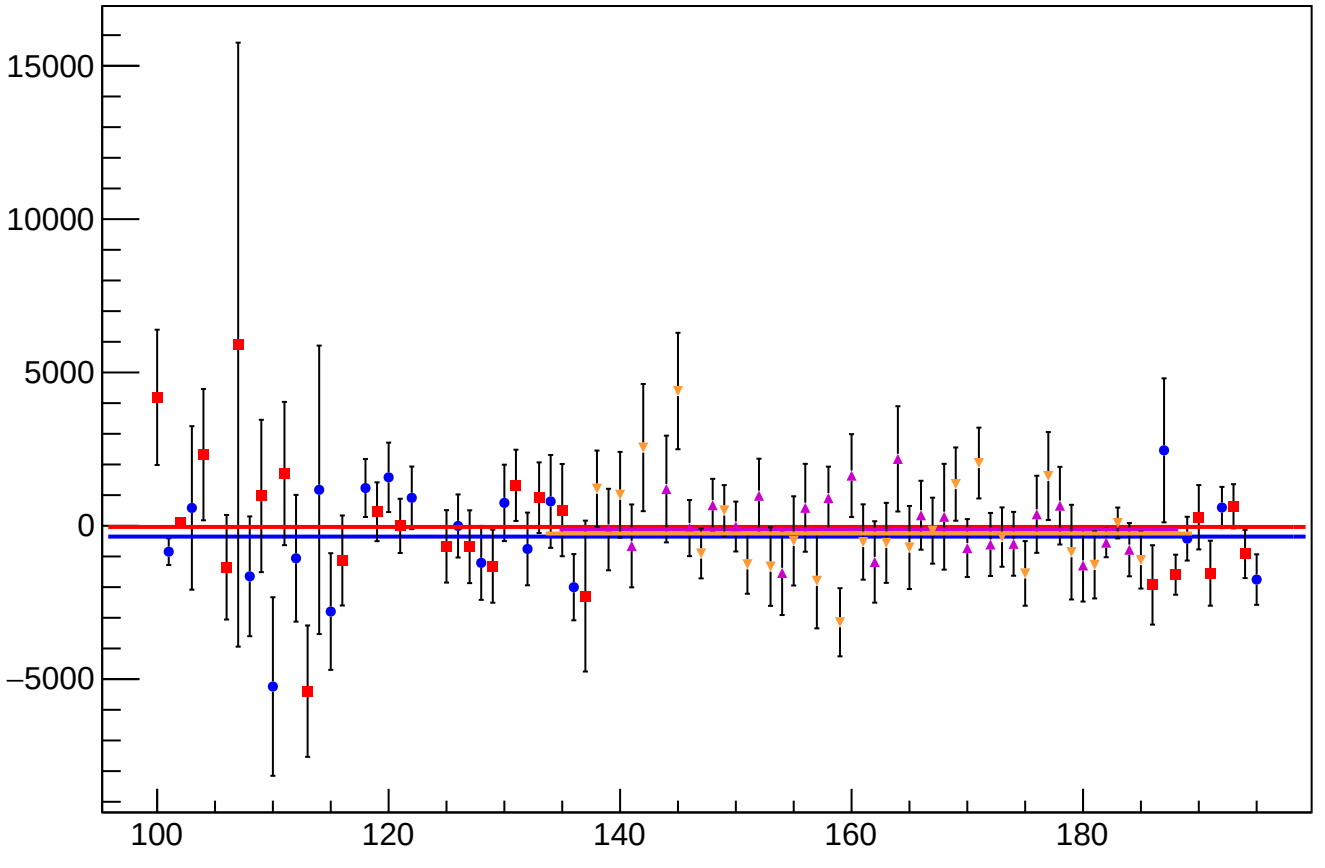
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1532.593+/-0.239 χ^2/NDF: 350465.5/43

In: 1484.815+/-0.198 χ^2/NDF:153610.8/42

Out: 1497.722+/-0.195 χ^2/NDF:247753.3/47

All: 1491.364+/-0.139 χ^2/NDF: 403517.6/90



Right In: -352.090+/-227.471 χ^2/NDF: 24.5/19

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -37.094+/-128.366 χ^2/NDF: 31.2/23

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

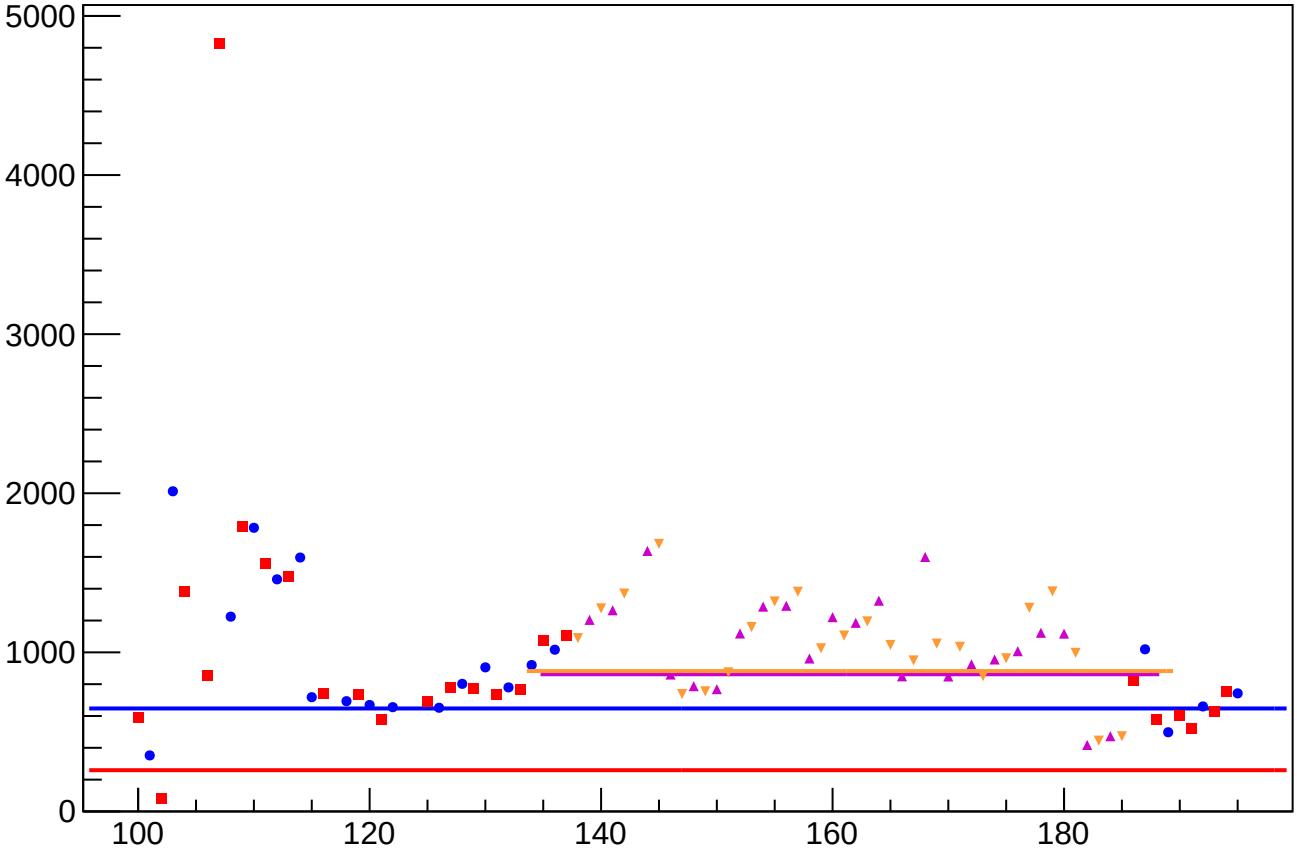
Right: -113.177+/-111.794 χ^2/NDF: 57.2/43

In: -229.951+/-156.624 χ^2/NDF:37.9/42

Out: -92.180+/-110.662 χ^2/NDF:64.6/47

All: -138.055+/-90.379 χ^2/NDF: 103.1/90

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 647.251+/-0.161 χ^2/NDF: 2928303.1/19

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 259.334+/-0.091 χ^2/NDF: 12175696.0/23

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

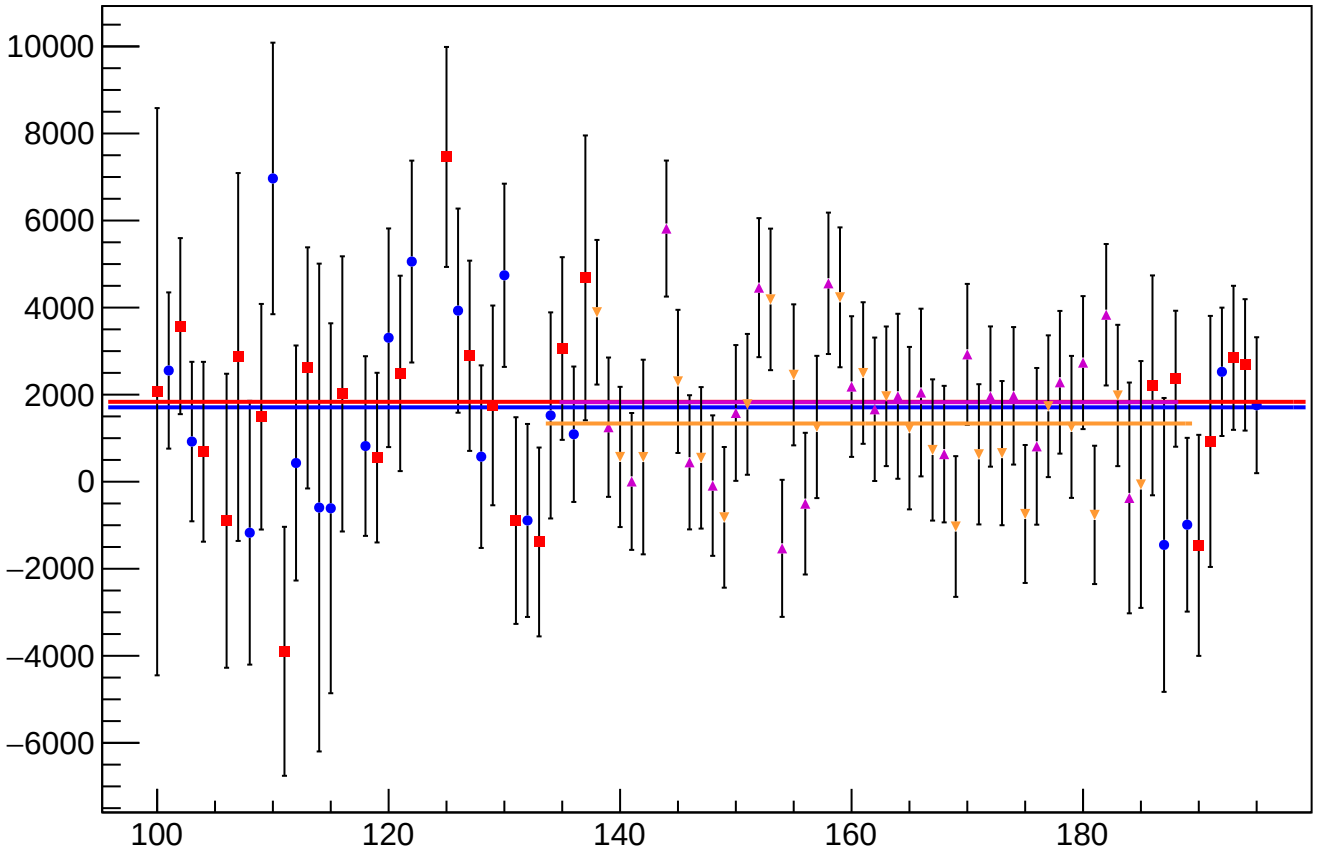
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 353.030+/-0.079 χ^2/NDF: 19515533.6/43

In: 760.346+/-0.111 χ^2/NDF:8237799.6/42

Out: 419.351+/-0.078 χ^2/NDF:28178990.5/47

All: 532.896+/-0.064 χ^2/NDF: 42740162.7/90



Right In: 1708.547+/-484.355 χ^2/NDF: 15.3/19

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1835.108+/-470.278 χ^2/NDF: 18.8/23

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

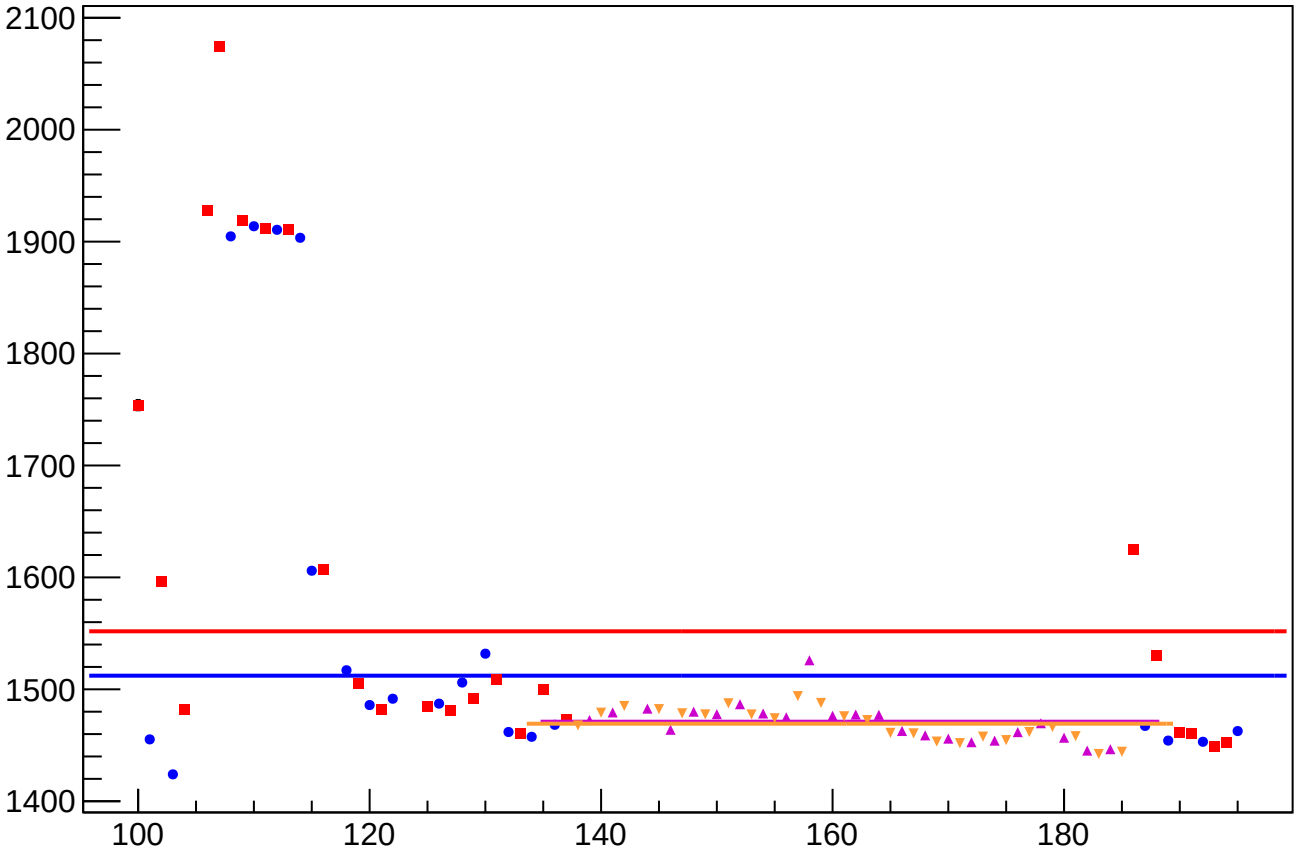
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1773.693+/-337.404 χ^2/NDF: 34.2/43

In: 1787.126+/-280.182 χ^2/NDF:41.8/42

Out: 1508.666+/-276.070 χ^2/NDF:38.8/47

All: 1645.838+/-196.649 χ^2/NDF: 81.1/90



Right In: 1512.178+/-0.342 χ^2/NDF: 139375.1/19

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1551.839+/-0.333 χ^2/NDF: 204187.6/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

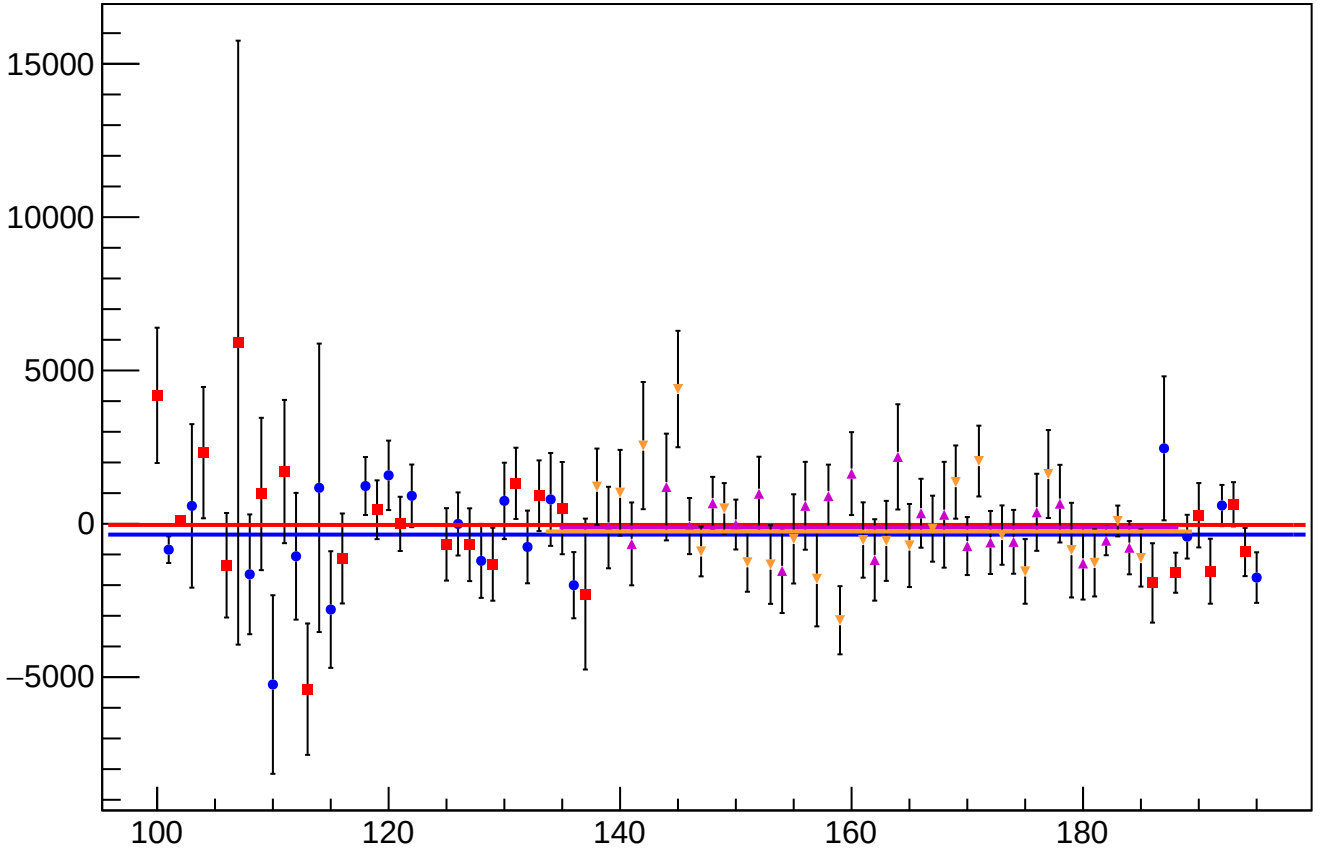
Right: 1532.593+/-0.239 χ^2/NDF: 350465.5/43

In: 1484.815+/-0.198 χ^2/NDF:153610.8/42

Out: 1497.722+/-0.195 χ^2/NDF:247753.3/47

All: 1491.364+/-0.139 χ^2/NDF: 403517.6/90

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -352.090+/-227.471 χ^2/NDF: 24.5/19

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -37.094+/-128.366 χ^2/NDF: 31.2/23

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

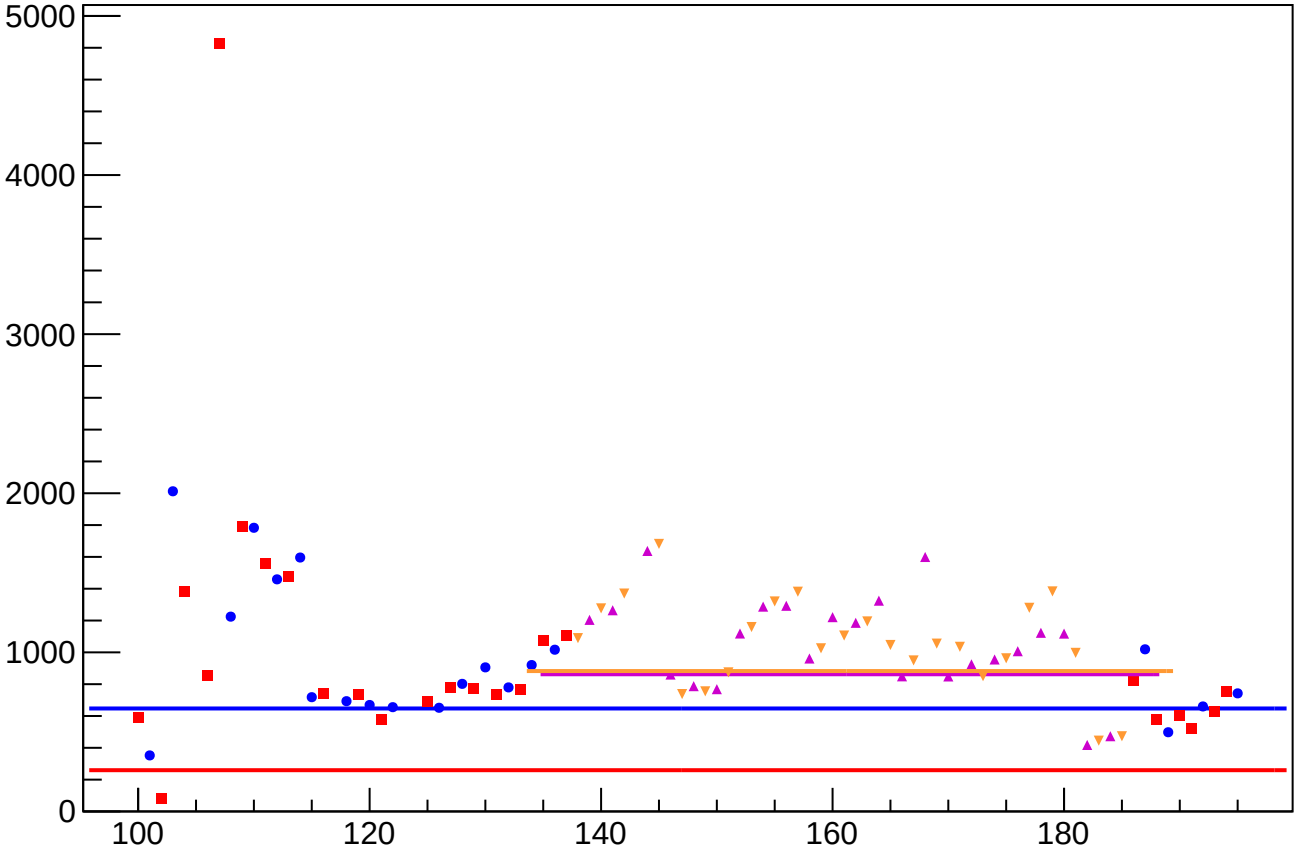
Right: -113.177+/-111.794 χ^2/NDF: 57.2/43

In: -229.951+/-156.624 χ^2/NDF:37.9/42

Out: -92.180+/-110.662 χ^2/NDF:64.6/47

All: -138.055+/-90.379 χ^2/NDF: 103.1/90

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 647.251+/-0.161 χ^2/NDF: 2928303.1/19

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 259.334+/-0.091 χ^2/NDF: 12175696.0/23

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

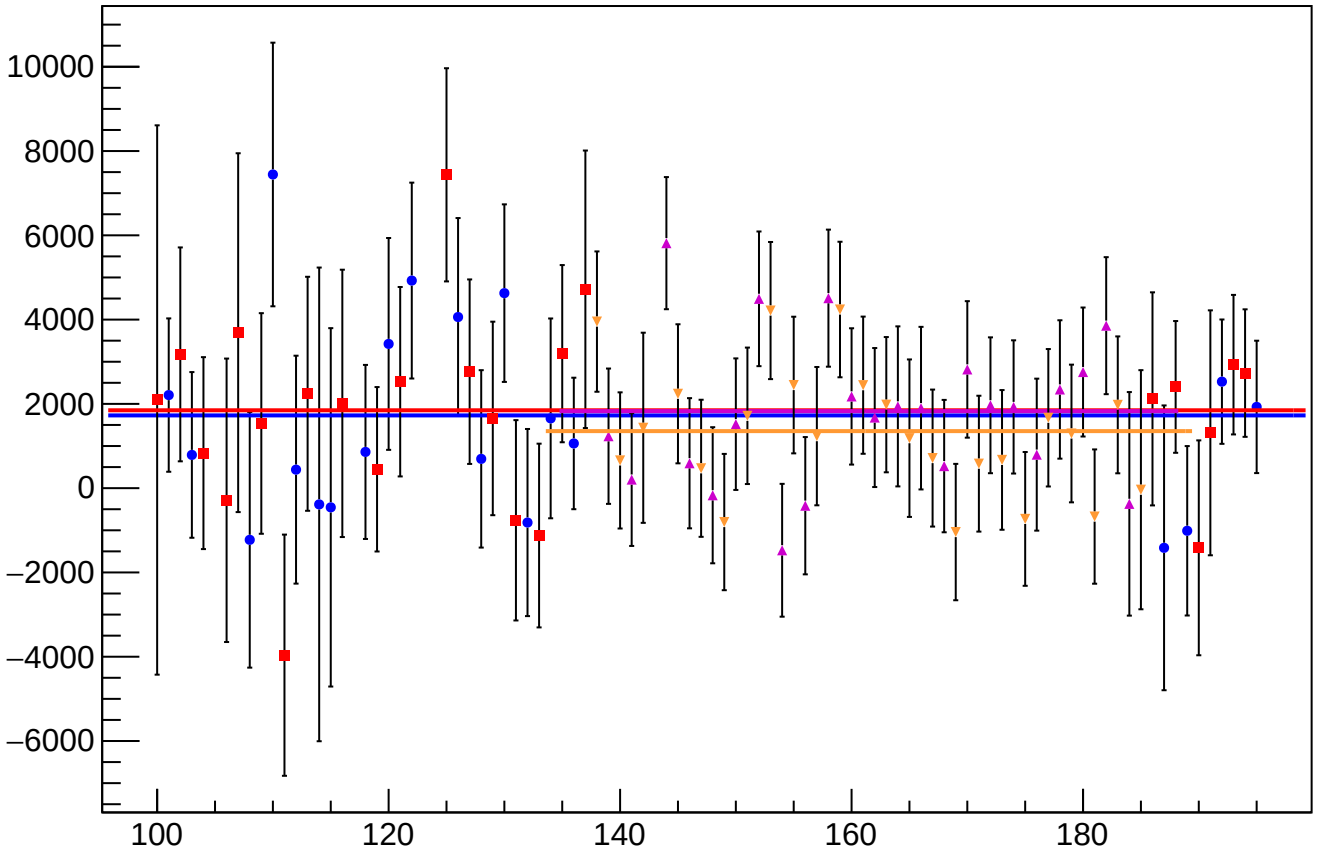
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 353.030+/-0.079 χ^2/NDF: 19515533.6/43

In: 760.346+/-0.111 χ^2/NDF:8237799.6/42

Out: 419.351+/-0.078 χ^2/NDF:28178990.5/47

All: 532.896+/-0.064 χ^2/NDF: 42740162.7/90



Right In: 1726.392+/-488.137 χ^2/NDF: 15.4/19

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1848.135+/-478.203 χ^2/NDF: 17.7/23

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

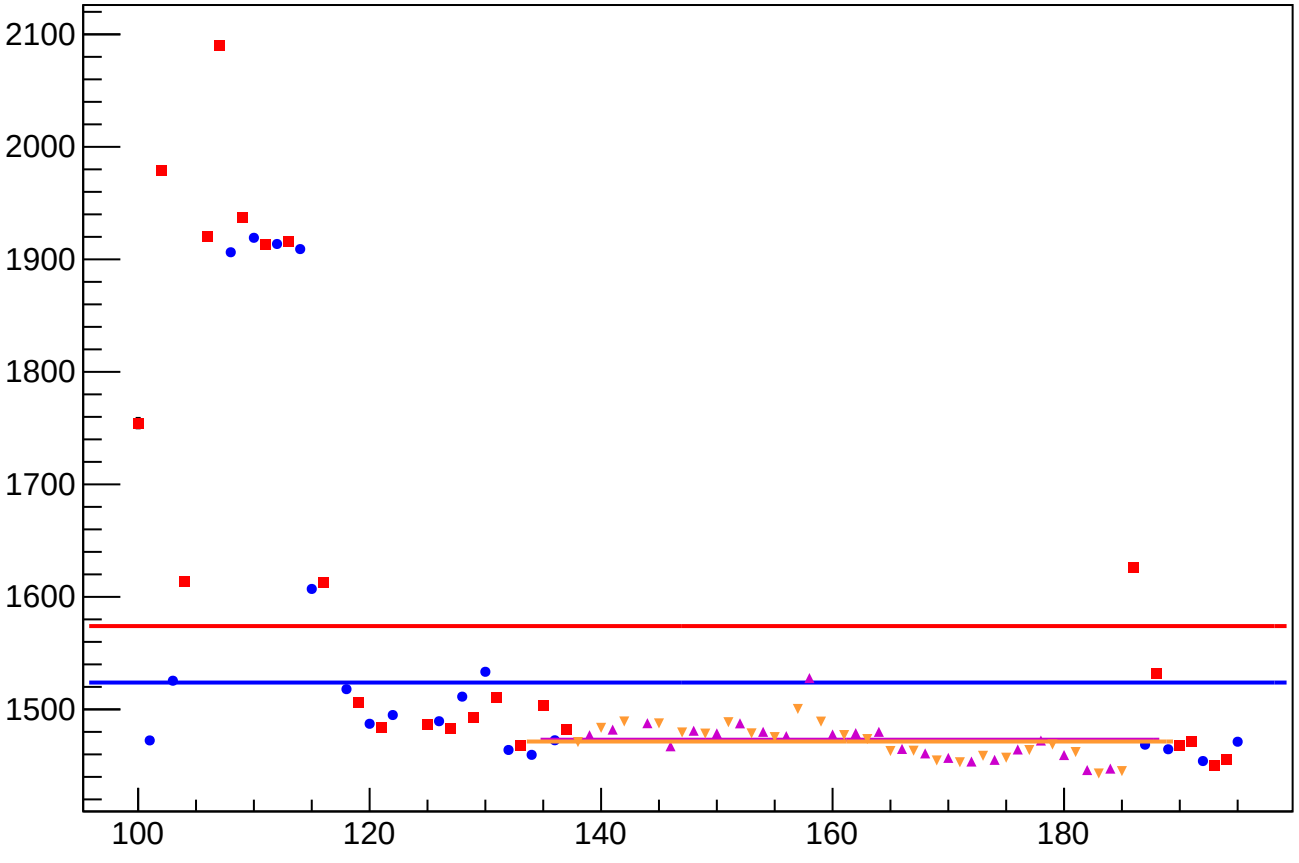
Right: 1788.514+/-341.599 χ^2/NDF: 33.1/43

In: 1794.456+/-281.165 χ^2/NDF:41.3/42

Out: 1520.727+/-277.948 χ^2/NDF:37.3/47

All: 1656.016+/-197.666 χ^2/NDF: 79.1/90

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1523.858+/-0.345 χ^2/NDF: 132438.5/19

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1574.050+/-0.338 χ^2/NDF: 256607.5/23

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

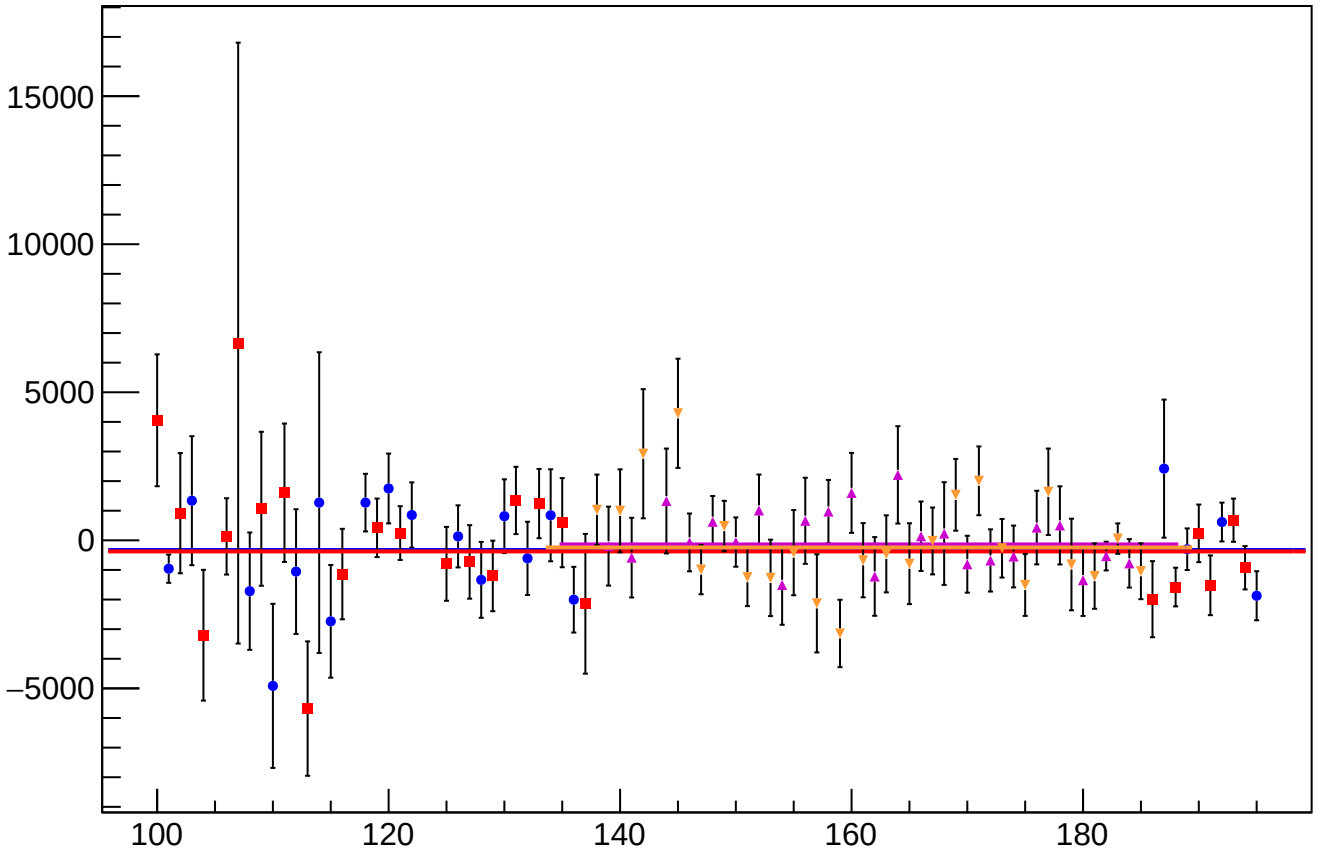
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1549.470+/-0.242 χ^2/NDF: 399836.2/43

In: 1489.906+/-0.199 χ^2/NDF:151669.4/42

Out: 1506.103+/-0.197 χ^2/NDF:321023.5/47

All: 1498.098+/-0.140 χ^2/NDF: 476049.8/90



Right In: -326.826+/-234.585 χ^2/NDF: 25.9/19

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -374.499+/-240.395 χ^2/NDF: 29.7/23

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

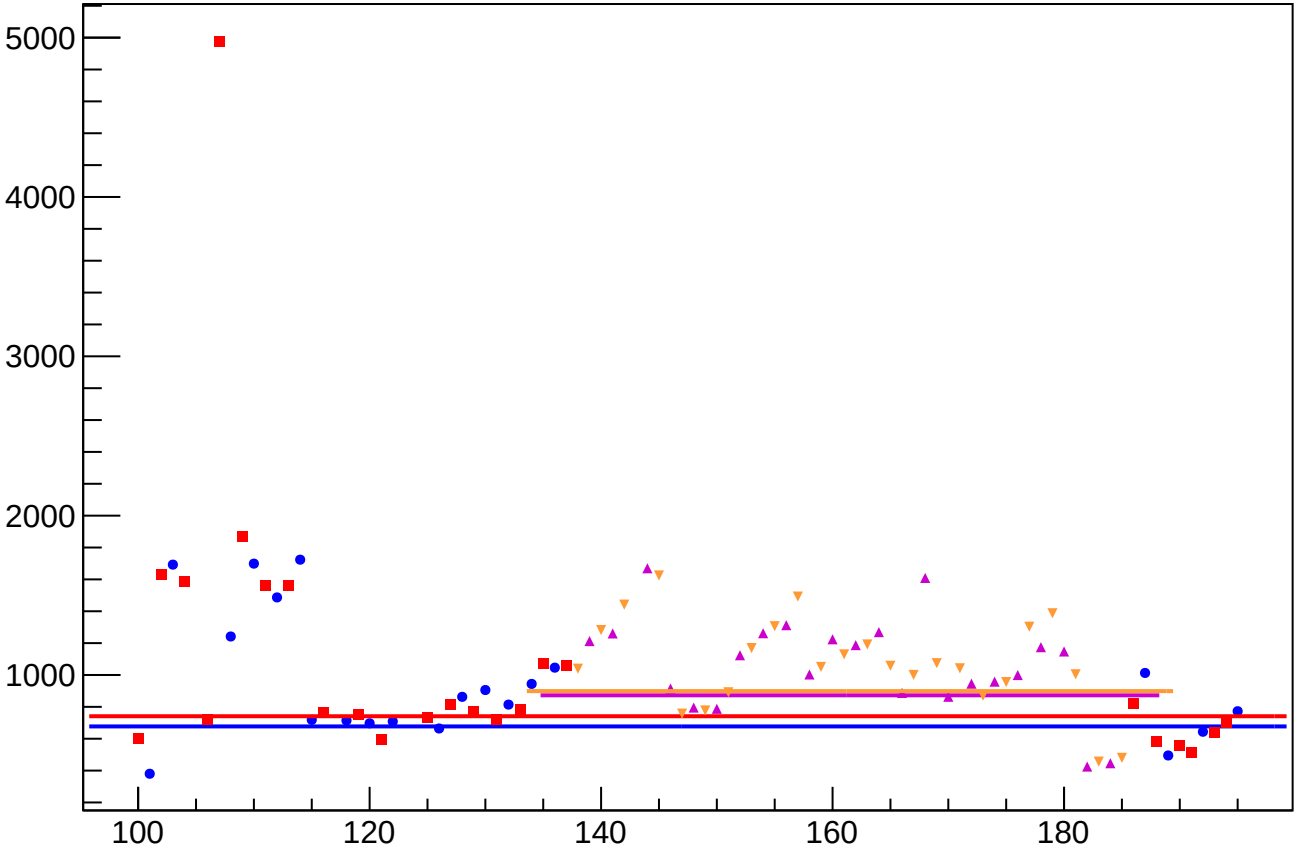
Right: -350.079+/-167.893 χ^2/NDF: 55.5/43

In: -225.934+/-159.878 χ^2/NDF:39.2/42

Out: -301.988+/-163.009 χ^2/NDF:62.3/47

All: -263.223+/-114.142 χ^2/NDF: 101.6/90

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 677.219+/-0.166 χ^2/NDF: 2653767.0/19

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 741.123+/-0.170 χ^2/NDF: 2458512.8/23

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

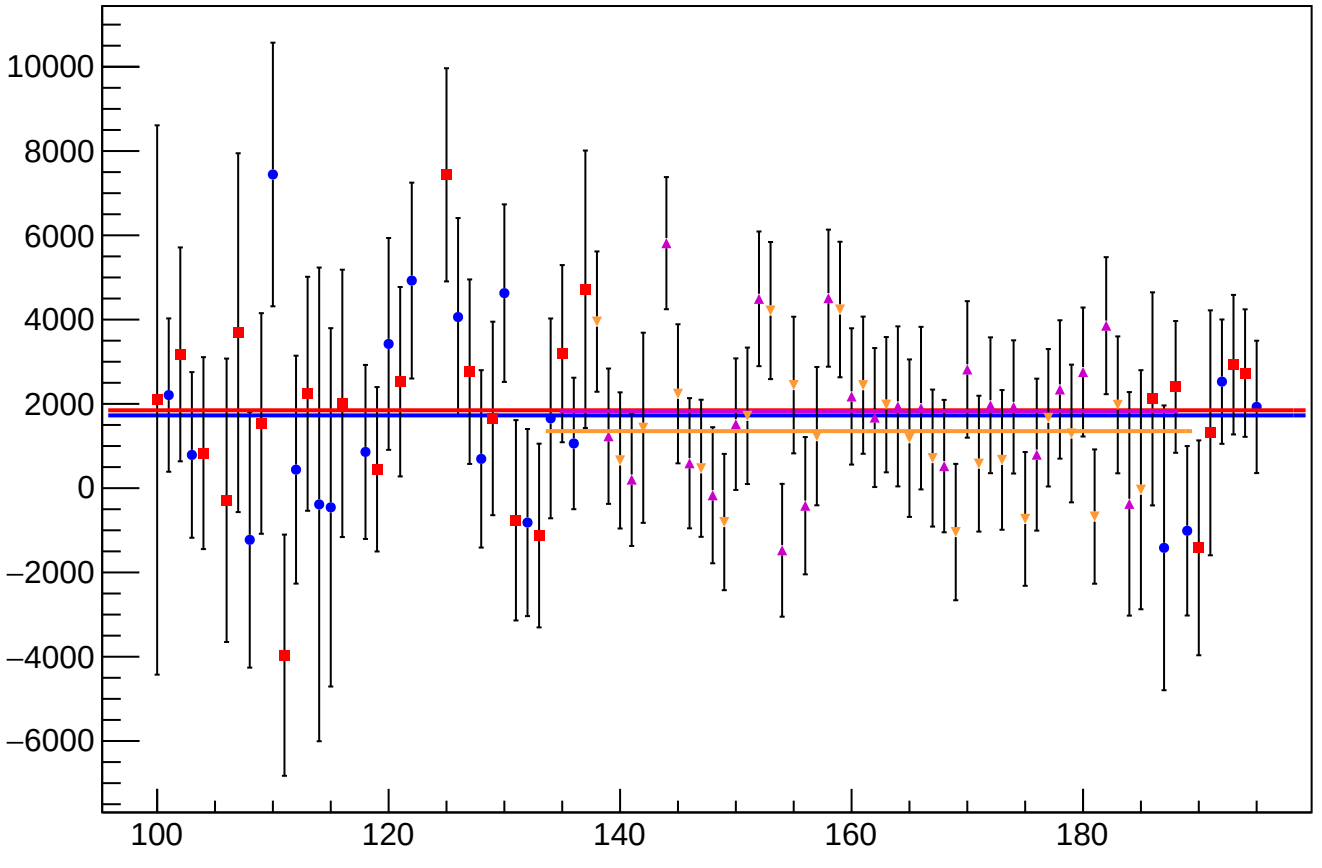
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 708.390+/-0.119 χ^2/NDF: 5184672.8/43

In: 781.779+/-0.113 χ^2/NDF:7831257.6/42

Out: 826.326+/-0.115 χ^2/NDF:6715129.8/47

All: 803.620+/-0.081 χ^2/NDF: 14622517.6/90



Right In: 1726.390+/-488.137 χ^2/NDF: 15.4/19

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1848.132+/-478.203 χ^2/NDF: 17.7/23

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

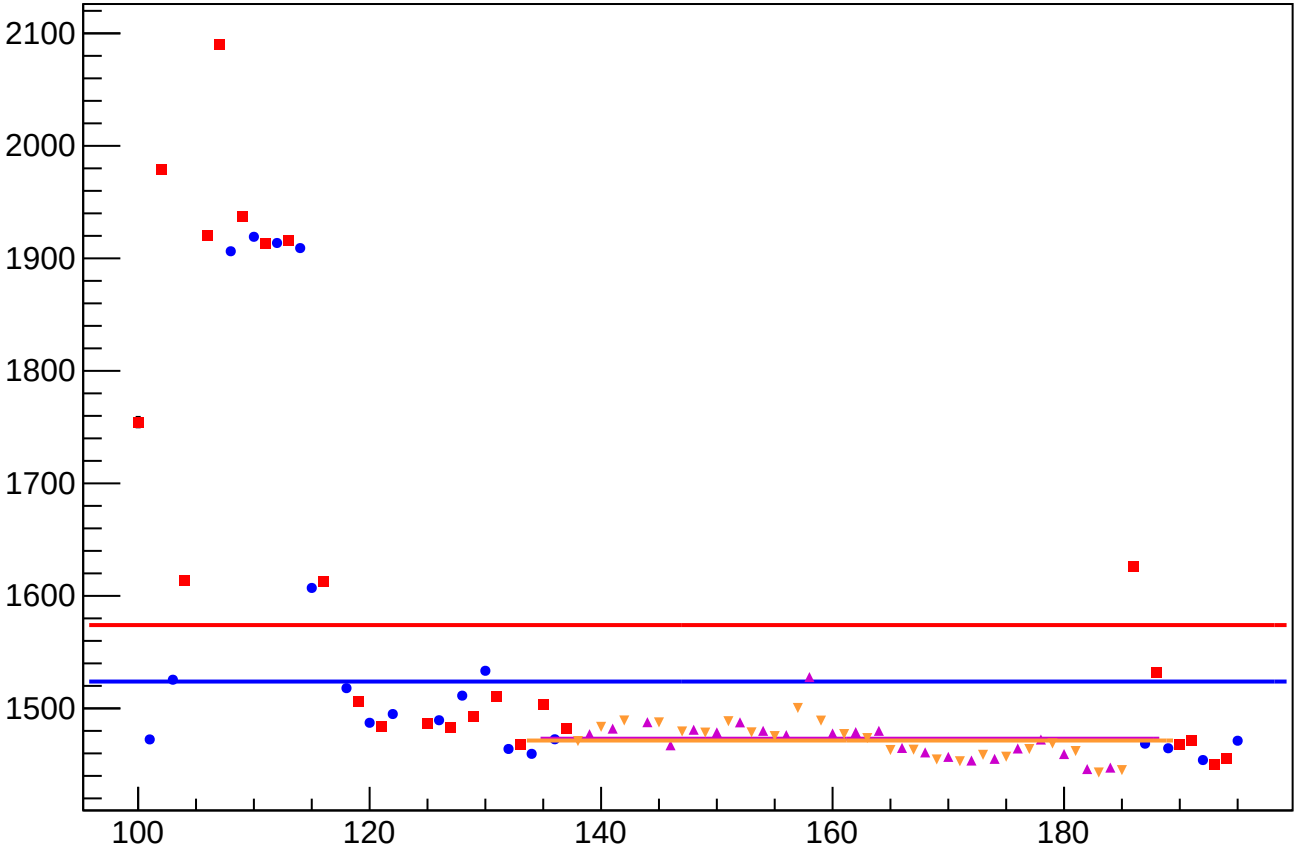
Right: 1788.512+/-341.599 χ^2/NDF: 33.1/43

In: 1794.456+/-281.165 χ^2/NDF:41.3/42

Out: 1520.725+/-277.948 χ^2/NDF:37.3/47

All: 1656.016+/-197.666 χ^2/NDF: 79.1/90

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1523.858+/-0.345 χ^2/NDF: 132438.5/19

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1574.050+/-0.338 χ^2/NDF: 256607.2/23

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

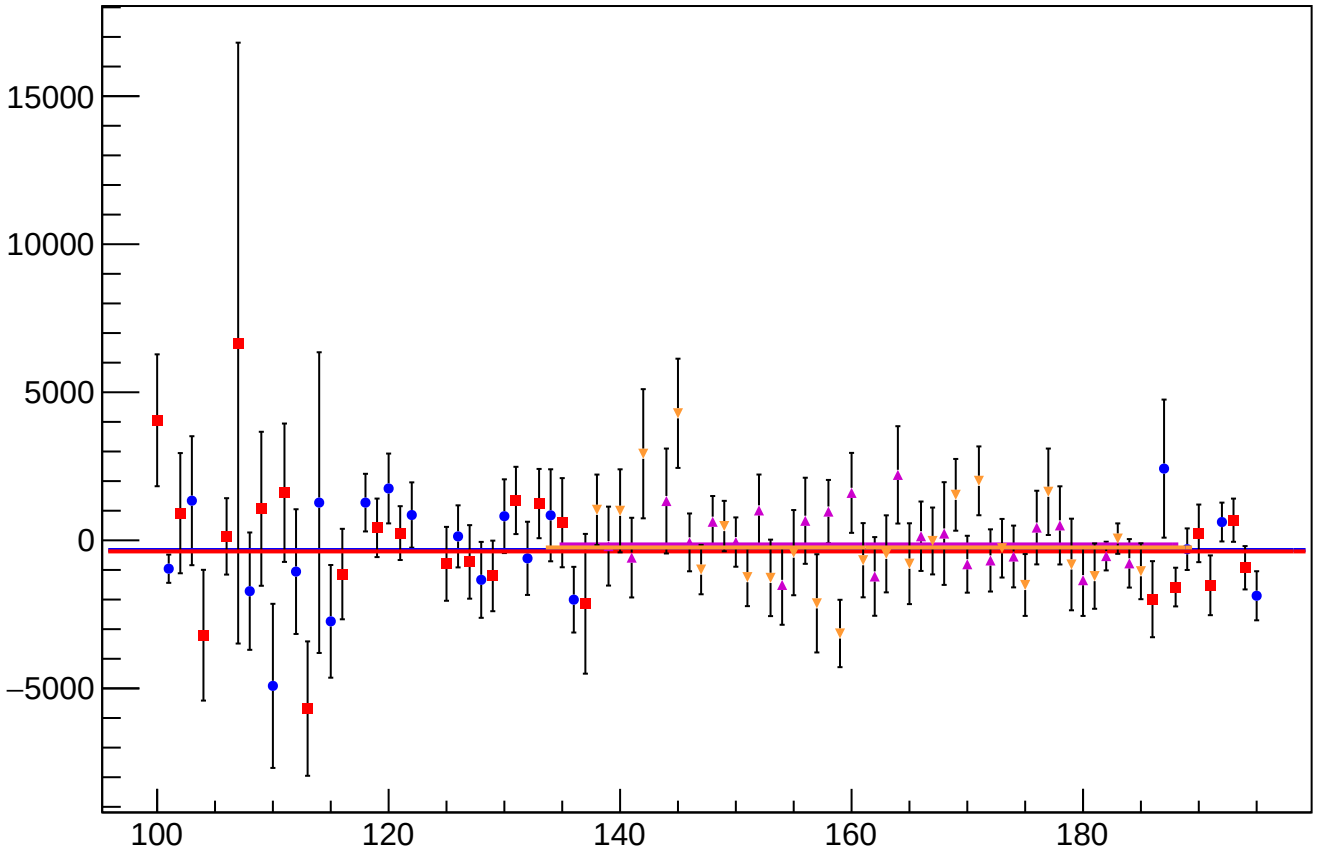
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1549.470+/-0.242 χ^2/NDF: 399835.9/43

In: 1489.906+/-0.199 χ^2/NDF:151669.3/42

Out: 1506.103+/-0.197 χ^2/NDF:321023.0/47

All: 1498.097+/-0.140 χ^2/NDF: 476049.1/90



Right In: -326.825+/-234.585 χ^2/NDF: 25.9/19

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -374.498+/-240.395 χ^2/NDF: 29.7/23

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

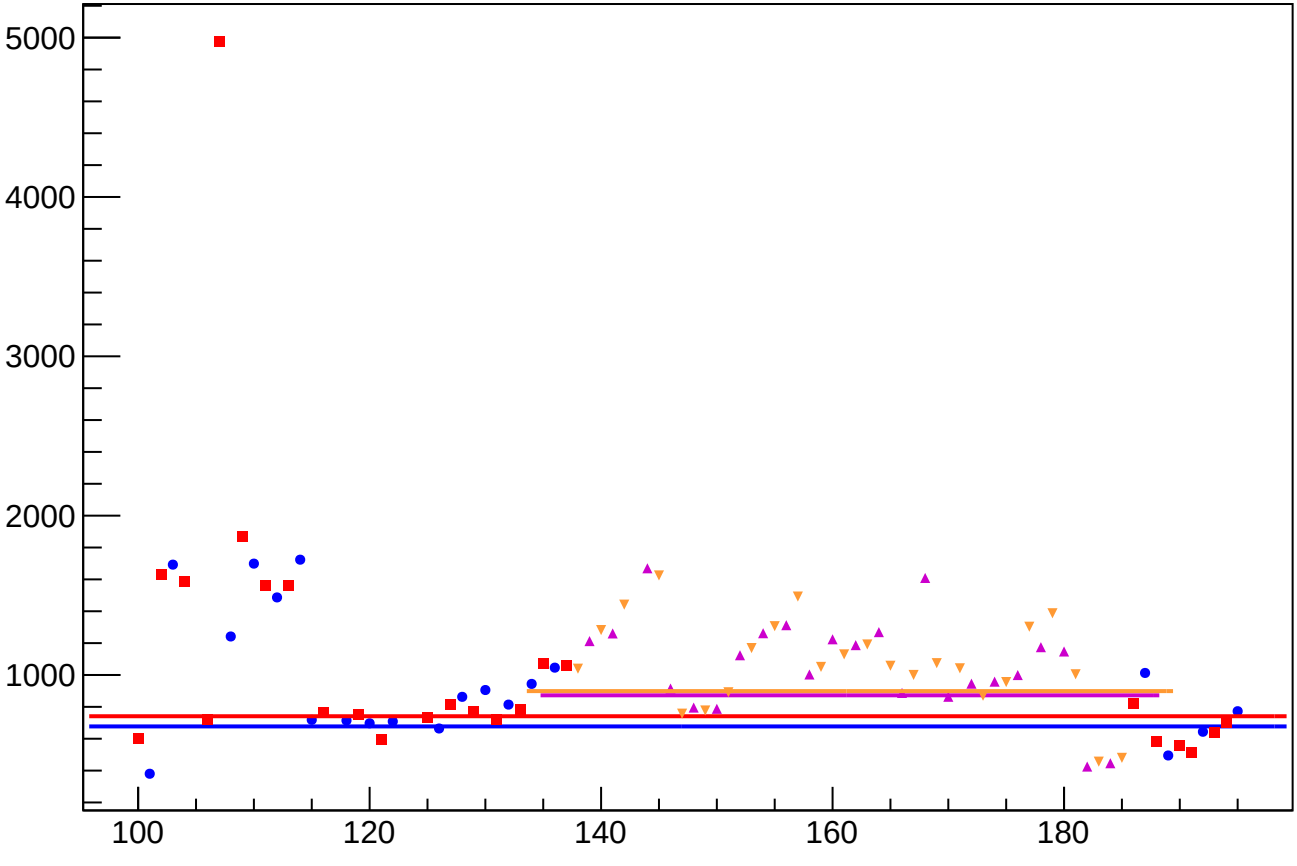
Right: -350.079+/-167.893 χ^2/NDF: 55.5/43

In: -225.934+/-159.879 χ^2/NDF:39.2/42

Out: -301.988+/-163.009 χ^2/NDF:62.3/47

All: -263.224+/-114.142 χ^2/NDF: 101.6/90

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 677.219+/-0.166 χ^2/NDF: 2653760.1/19

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 741.123+/-0.170 χ^2/NDF: 2458516.5/23

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

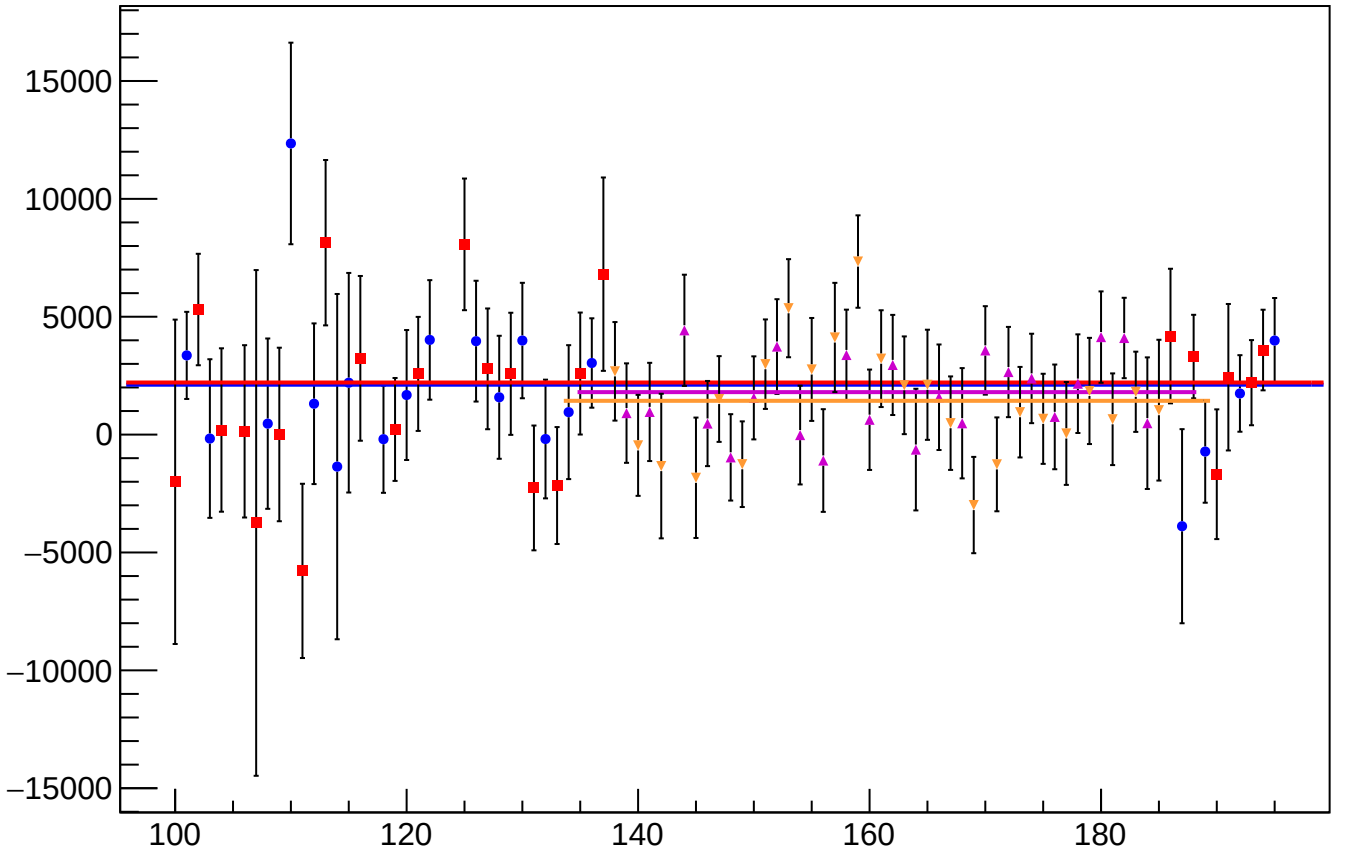
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 708.389+/-0.119 χ^2/NDF: 5184668.3/43

In: 781.779+/-0.113 χ^2/NDF:7831264.6/42

Out: 826.326+/-0.115 χ^2/NDF:6715150.4/47

All: 803.620+/-0.081 χ^2/NDF: 14622544.3/90



Right In: 2116.599+/-565.497 χ^2/NDF: 16.1/19

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2209.899+/-548.221 χ^2/NDF: 27.1/23

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

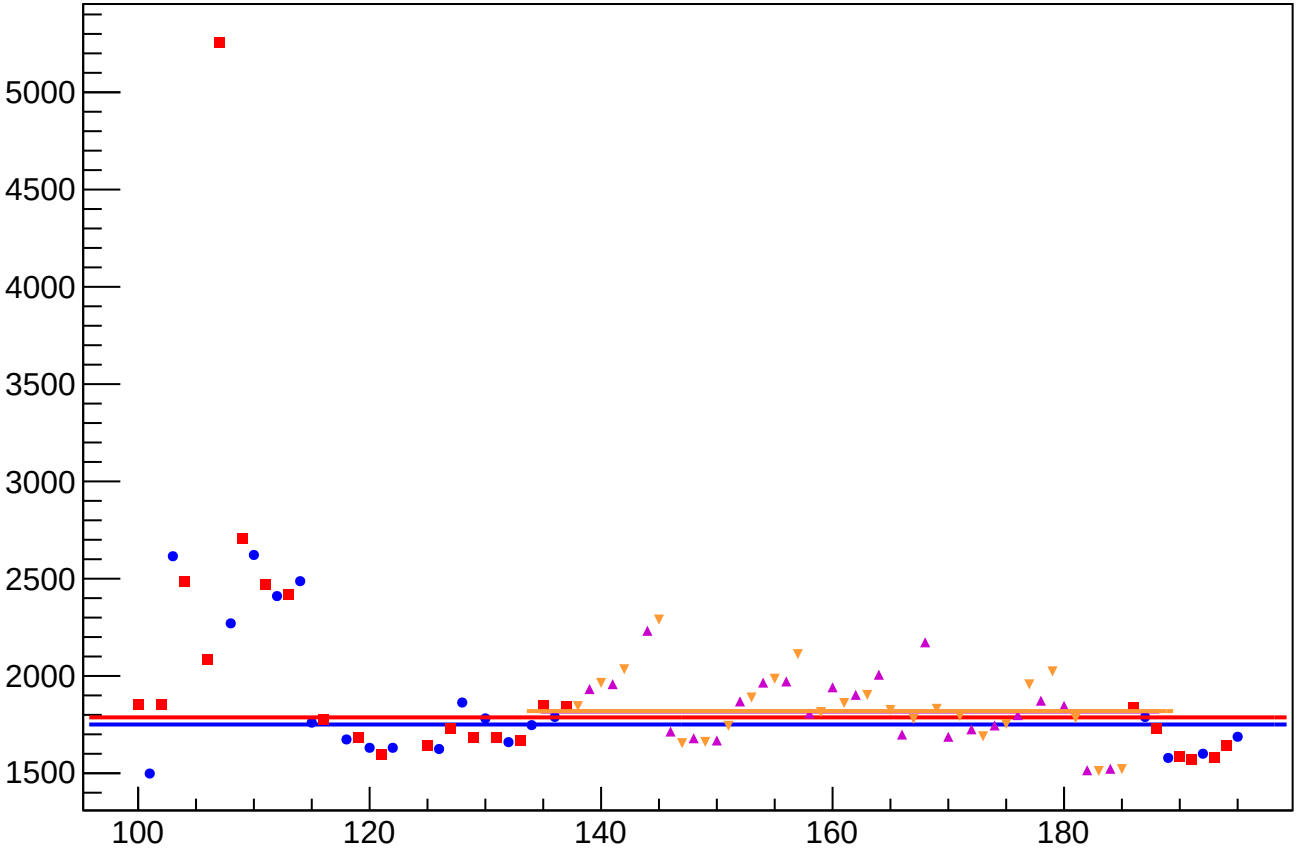
Right: 2164.696+/-393.617 χ^2/NDF: 43.2/43

In: 1915.770+/-340.503 χ^2/NDF:31.6/42

Out: 1724.375+/-335.624 χ^2/NDF:57.8/47

All: 1818.691+/-239.028 χ^2/NDF: 89.5/90

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1750.574+/-0.400 χ^2/NDF: 444238.9/19

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1787.172+/-0.388 χ^2/NDF: 663207.5/23

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

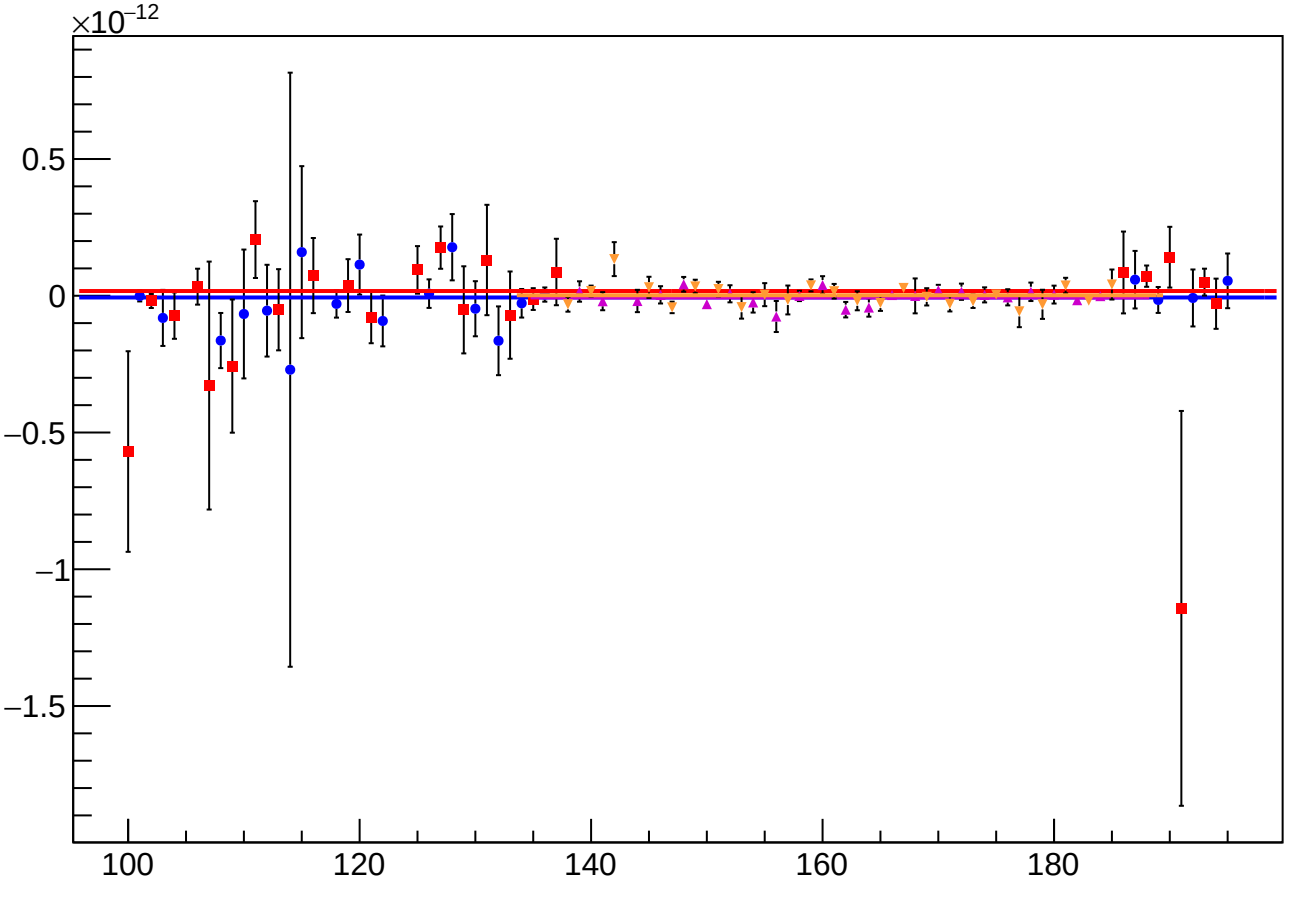
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1769.441+/-0.278 χ^2/NDF: 1111764.8/43

In: 1793.007+/-0.241 χ^2/NDF:769007.8/42

Out: 1807.332+/-0.237 χ^2/NDF:962548.3/47

All: 1800.273+/-0.169 χ^2/NDF: 1733351.6/90



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/23

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

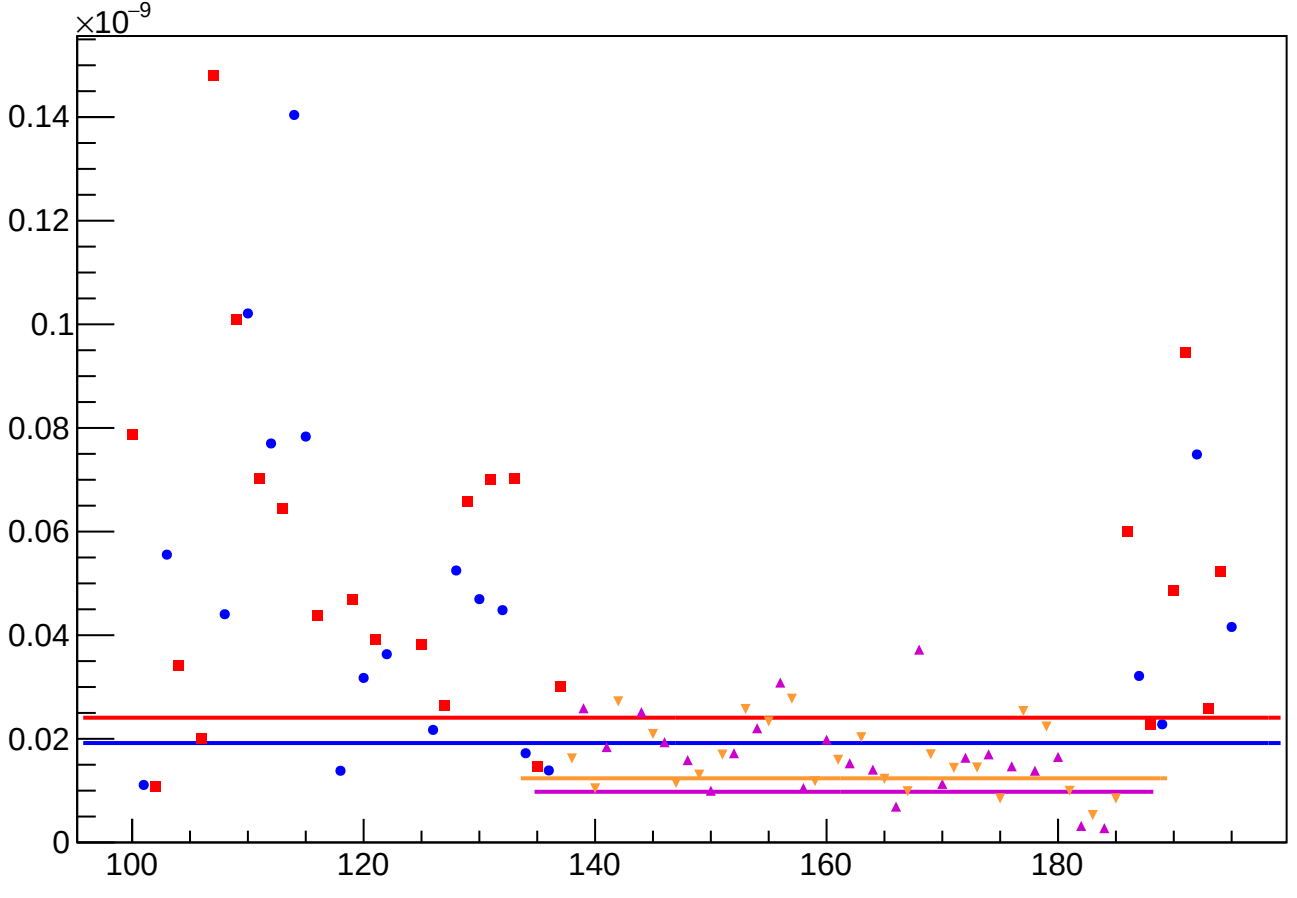
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 36.8/43

In: -0.000+/-0.000 χ^2/NDF:29.0/42

Out: 0.000+/-0.000 χ^2/NDF:54.5/47

All: -0.000+/-0.000 χ^2/NDF: 85.7/90



Right In: 0.000+/-0.000 χ^2/NDF: 2589902.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2554816.5/23

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

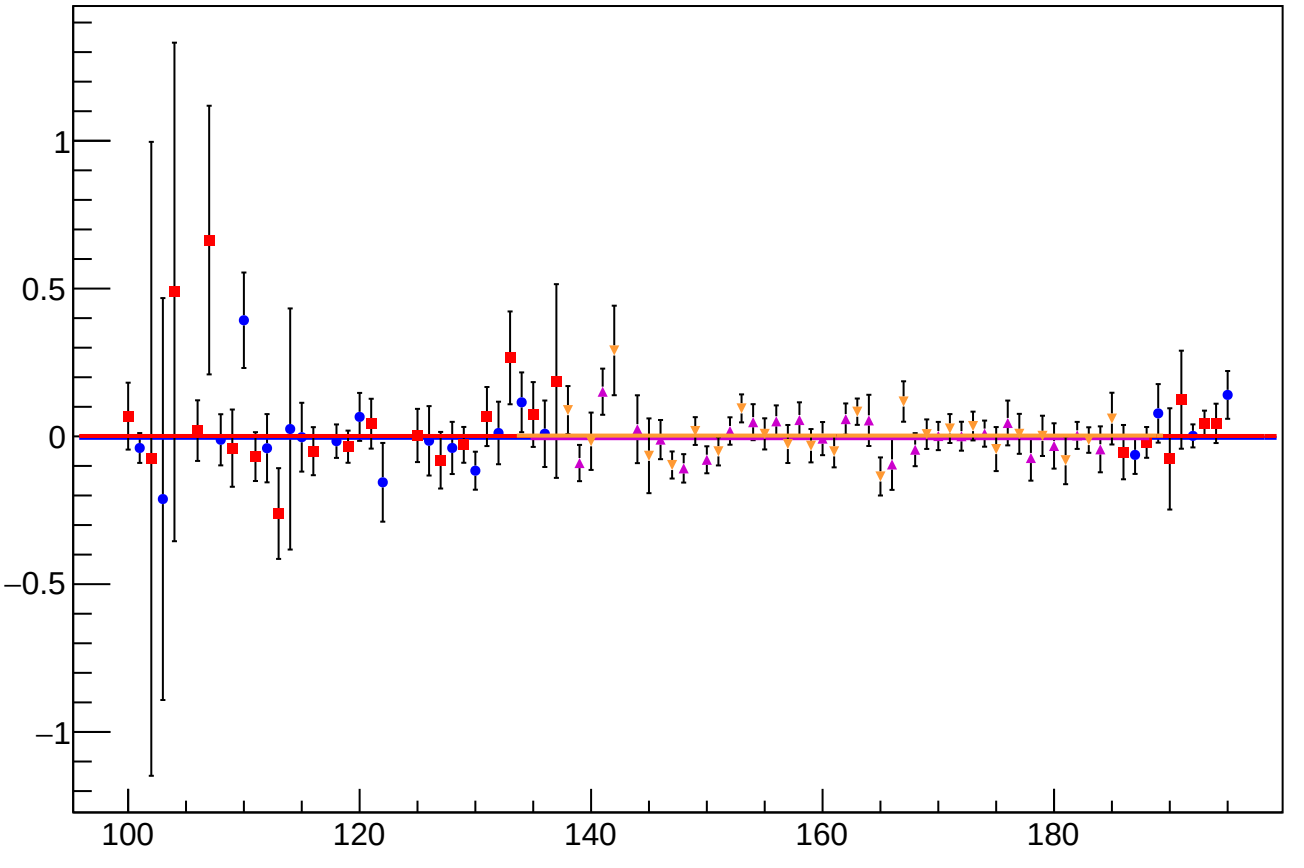
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 5275658.4/43

In: 0.000+/-0.000 χ^2/NDF:8102901.2/42

Out: 0.000+/-0.000 χ^2/NDF:5593695.9/47

All: 0.000+/-0.000 χ^2/NDF: 14058780.6/90



Right In: -0.005+/-0.018 χ^2/NDF: 18.2/19

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.3/23

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

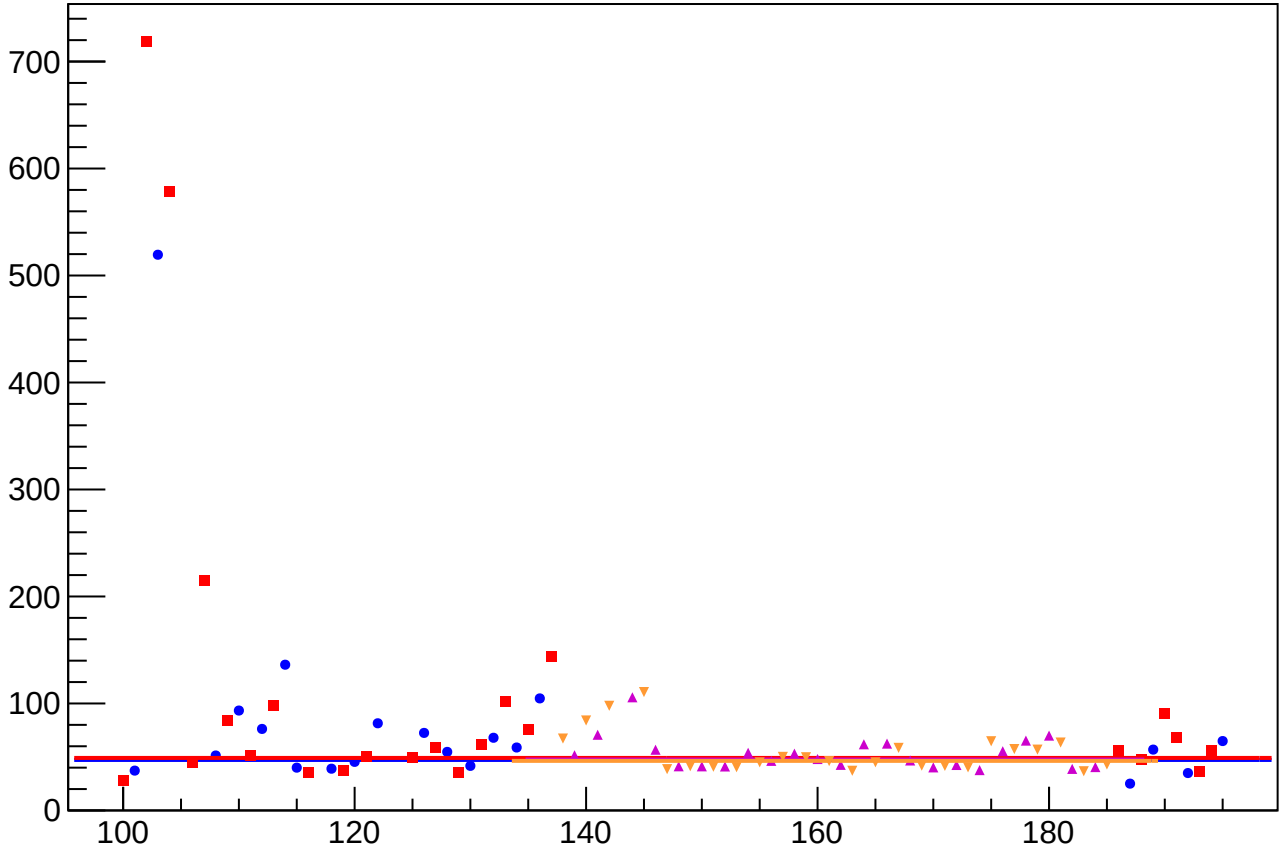
Right: -0.002+/-0.013 χ^2/NDF: 33.5/43

In: -0.006+/-0.010 χ^2/NDF:39.8/42

Out: 0.002+/-0.010 χ^2/NDF:45.2/47

All: -0.002+/-0.007 χ^2/NDF: 85.3/90

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.210+/-0.013 χ^2/NDF: 2912190.3/19

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 49.096+/-0.013 χ^2/NDF: 3411687.6/23

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

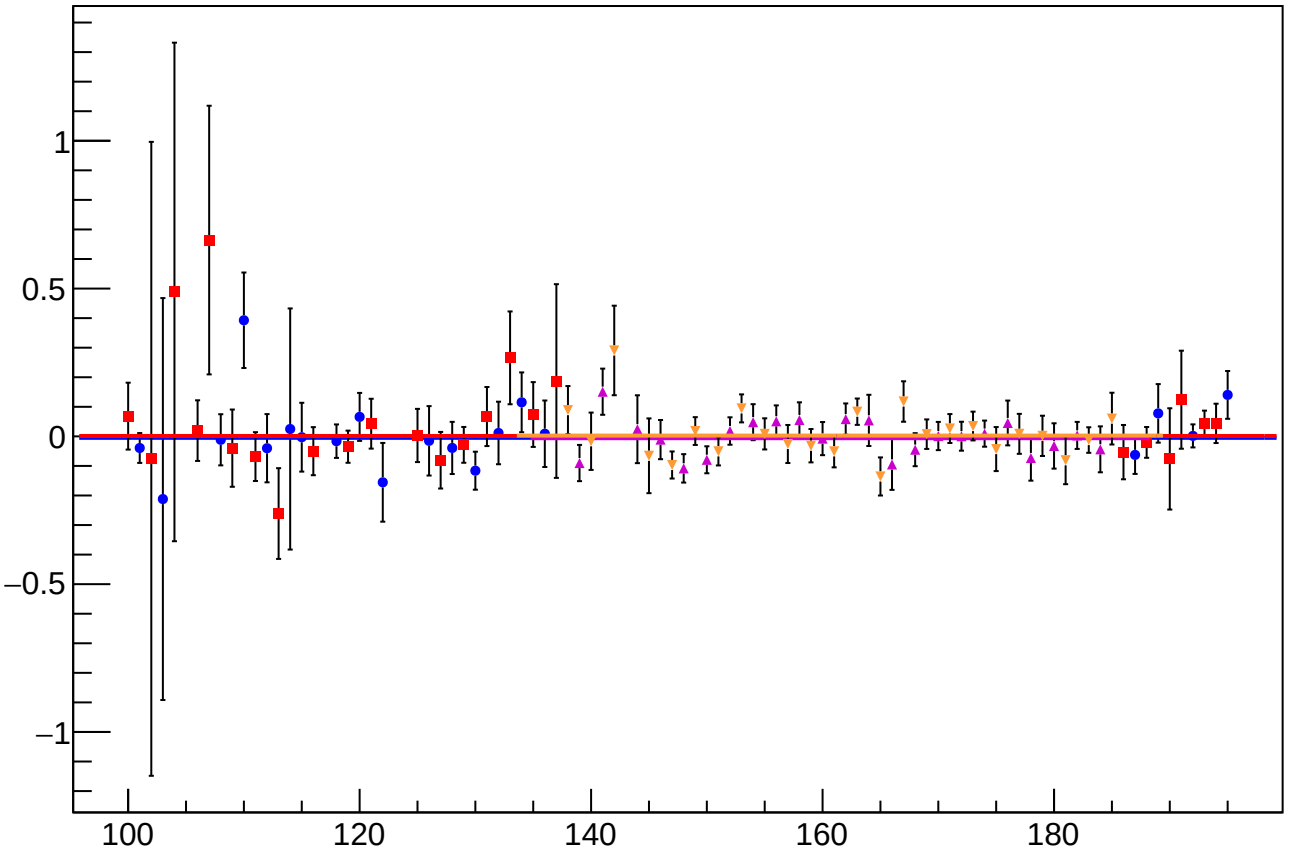
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 48.153+/-0.009 χ^2/NDF: 6334922.3/43

In: 47.461+/-0.007 χ^2/NDF:4488953.5/42

Out: 47.190+/-0.007 χ^2/NDF:5411896.2/47

All: 47.324+/-0.005 χ^2/NDF: 9901581.9/90



Right In: -0.005+/-0.018 χ^2/NDF: 18.2/19

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.3/23

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

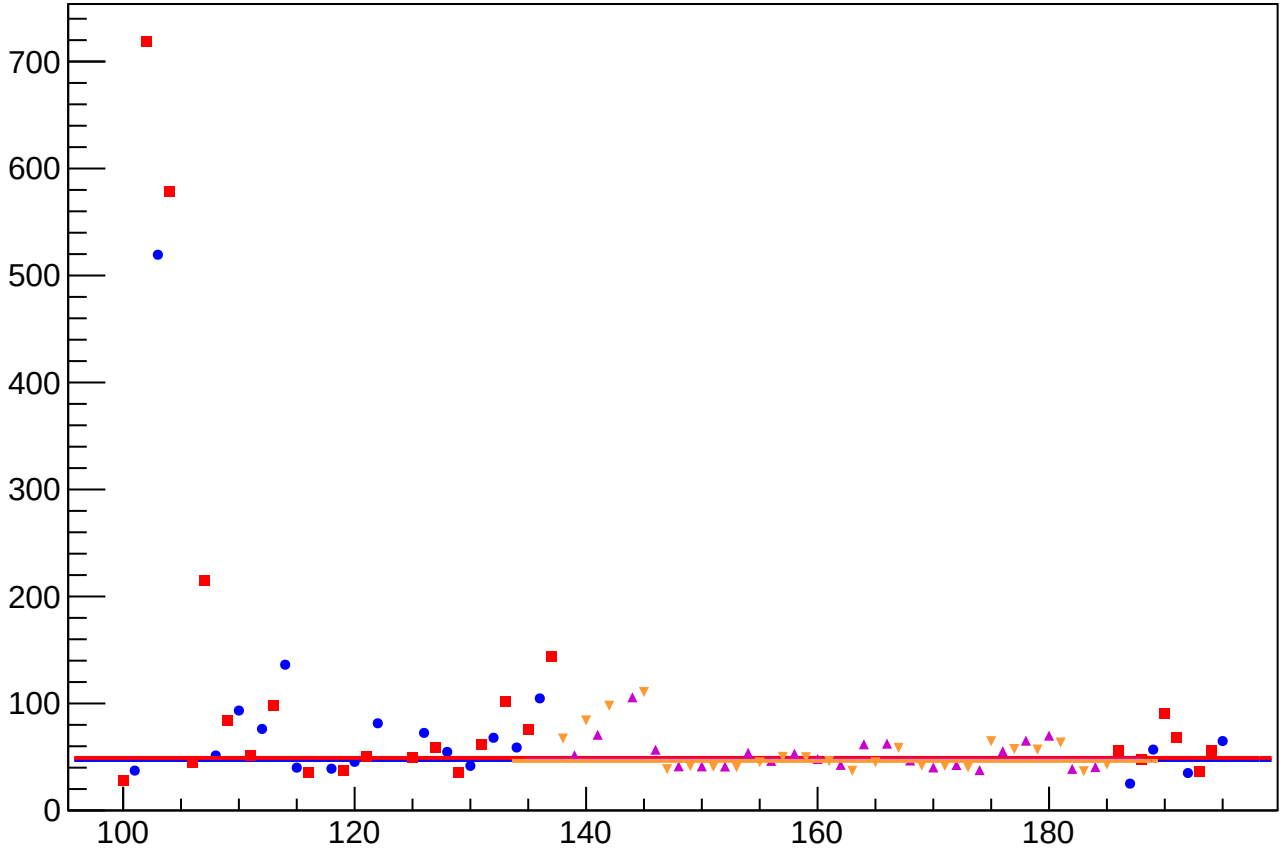
Right: -0.002+/-0.013 χ^2/NDF: 33.5/43

In: -0.006+/-0.010 χ^2/NDF:39.8/42

Out: 0.002+/-0.010 χ^2/NDF:45.2/47

All: -0.002+/-0.007 χ^2/NDF: 85.3/90

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.210+/-0.013 χ^2/NDF: 2912190.3/19

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 49.096+/-0.013 χ^2/NDF: 3411687.6/23

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

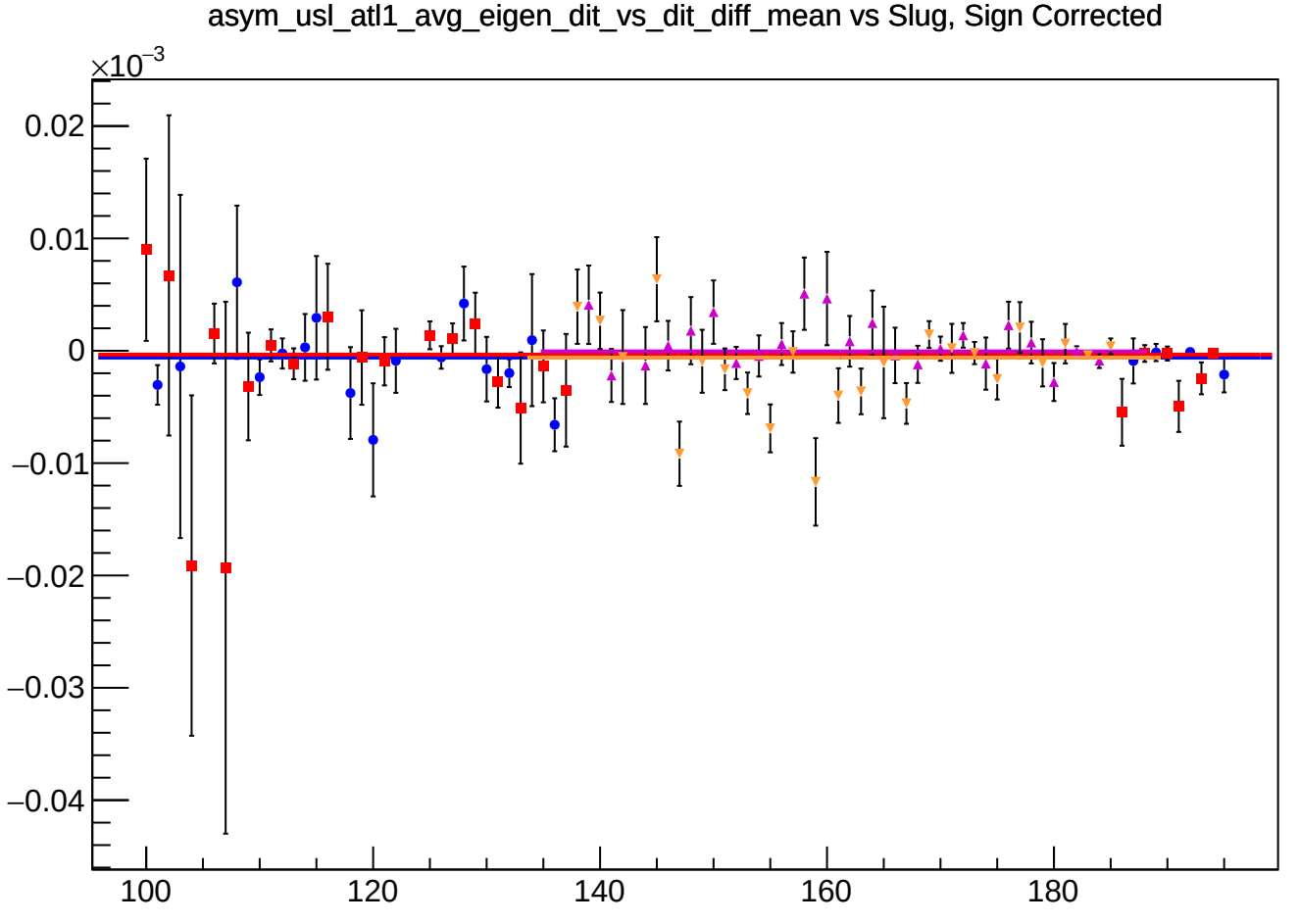
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 48.153+/-0.009 χ^2/NDF: 6334922.3/43

In: 47.461+/-0.007 χ^2/NDF:4488953.5/42

Out: 47.190+/-0.007 χ^2/NDF:5411896.2/47

All: 47.324+/-0.005 χ^2/NDF: 9901581.9/90



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/23

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

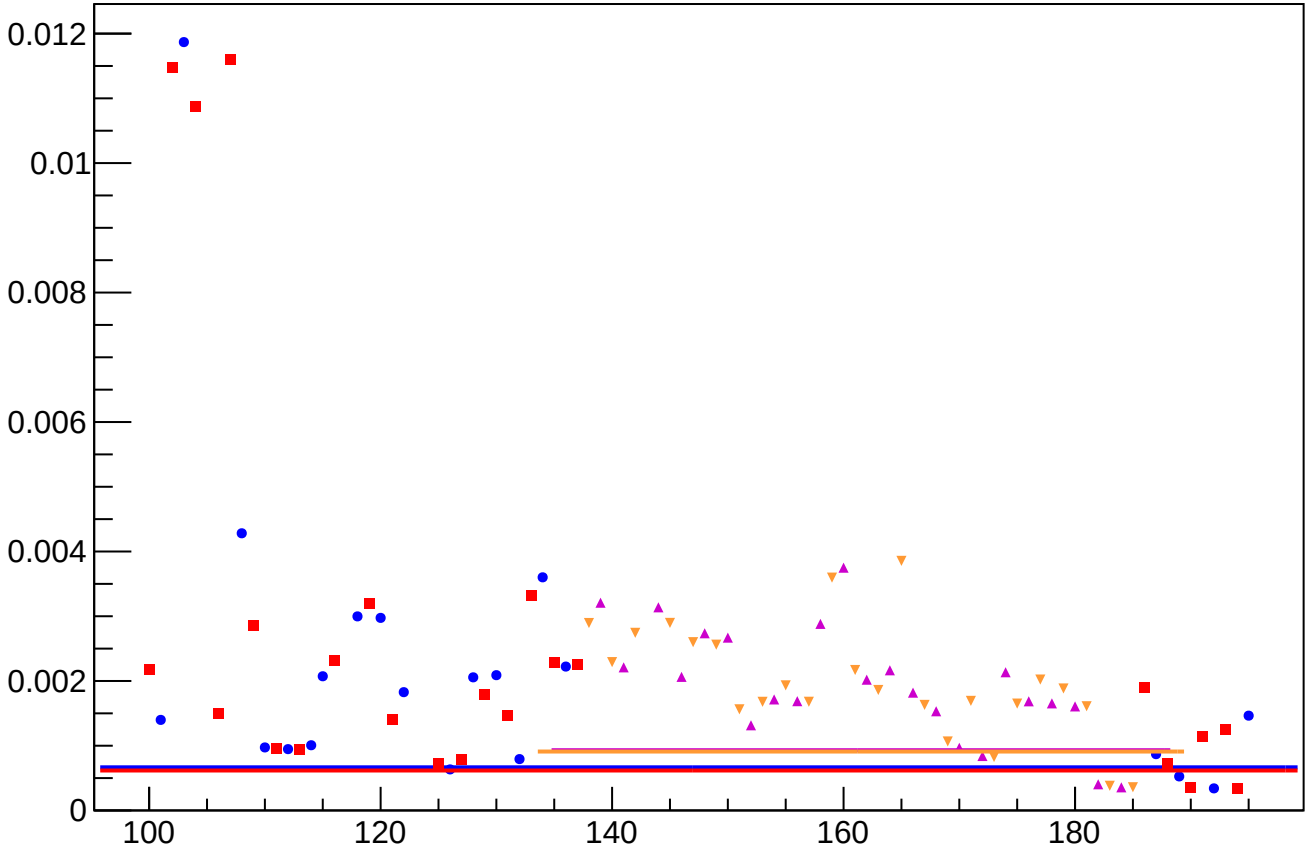
Right: -0.000+/-0.000 χ^2/NDF: 42.3/43

In: -0.000+/-0.000 χ^2/NDF:39.9/42

Out: -0.000+/-0.000 χ^2/NDF:76.1/47

All: -0.000+/-0.000 χ^2/NDF: 116.3/90

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7803845.9/19

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9159778.3/23

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

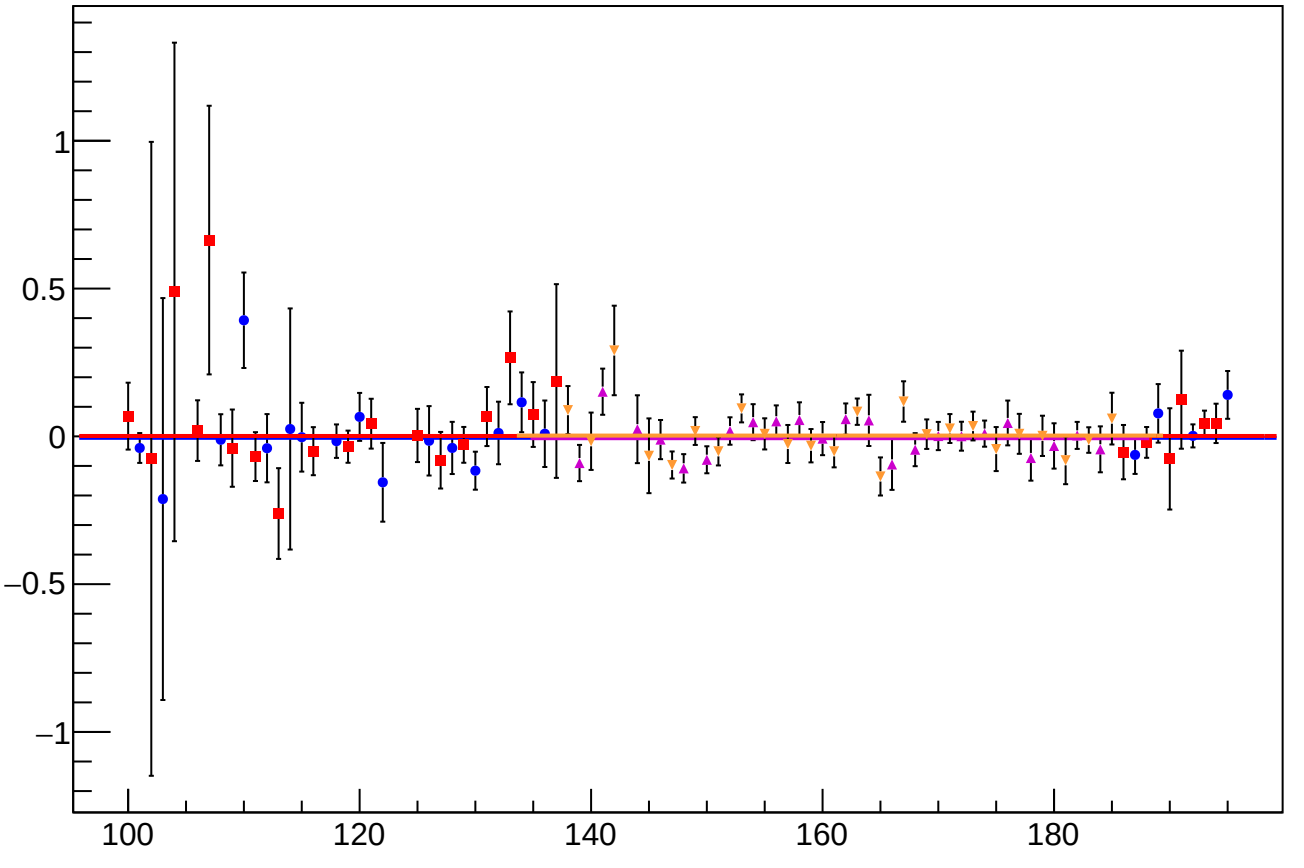
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 16996320.6/43

In: 0.001+/-0.000 χ^2/NDF:22355071.8/42

Out: 0.001+/-0.000 χ^2/NDF:24503168.6/47

All: 0.001+/-0.000 χ^2/NDF: 46924462.6/90



Right In: -0.005+/-0.018 χ^2/NDF: 18.2/19

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.3/23

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

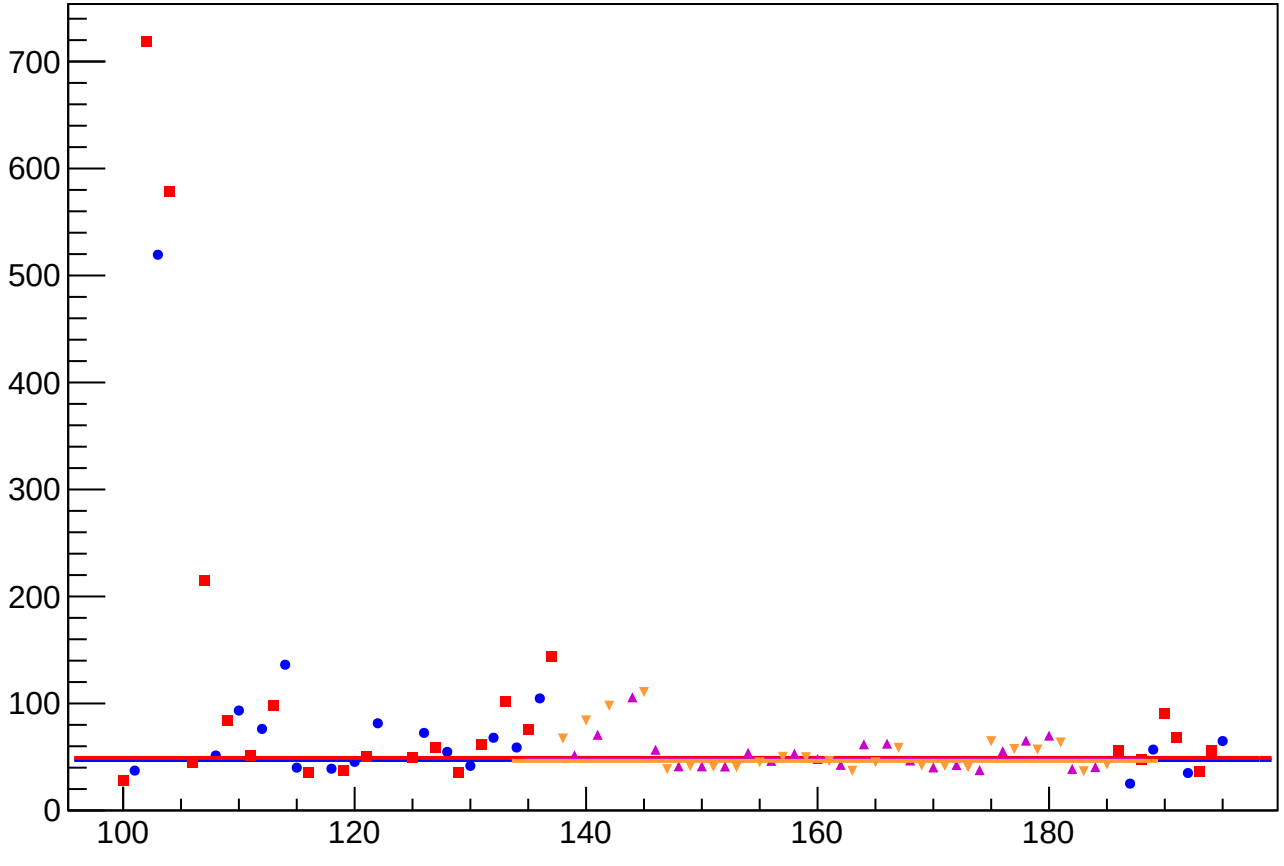
Right: -0.002+/-0.013 χ^2/NDF: 33.5/43

In: -0.006+/-0.010 χ^2/NDF:39.8/42

Out: 0.002+/-0.010 χ^2/NDF:45.2/47

All: -0.002+/-0.007 χ^2/NDF: 85.3/90

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.210+/-0.013 χ^2/NDF: 2912190.6/19

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 49.096+/-0.013 χ^2/NDF: 3411680.1/23

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

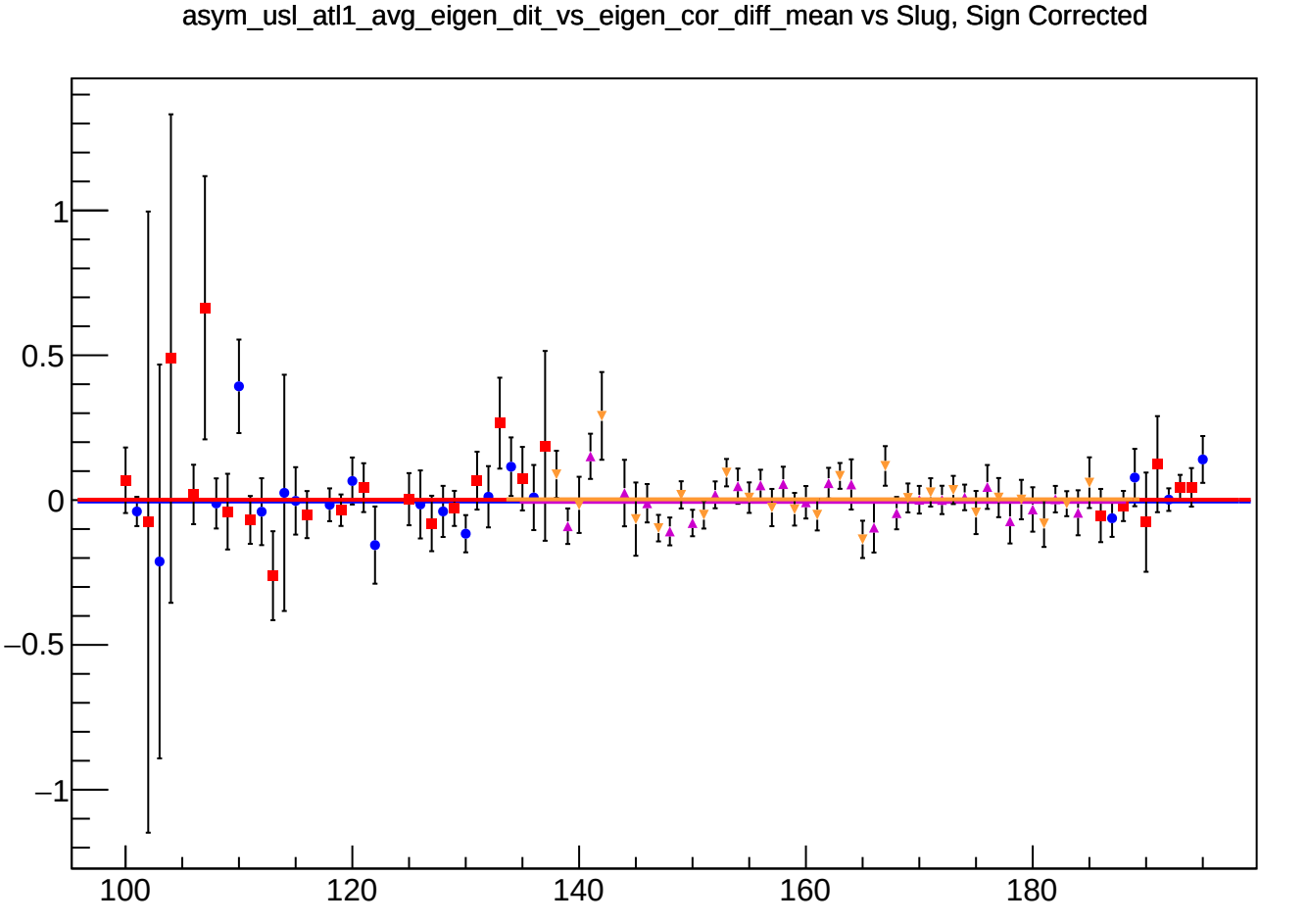
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 48.153+/-0.009 χ^2/NDF: 6334912.9/43

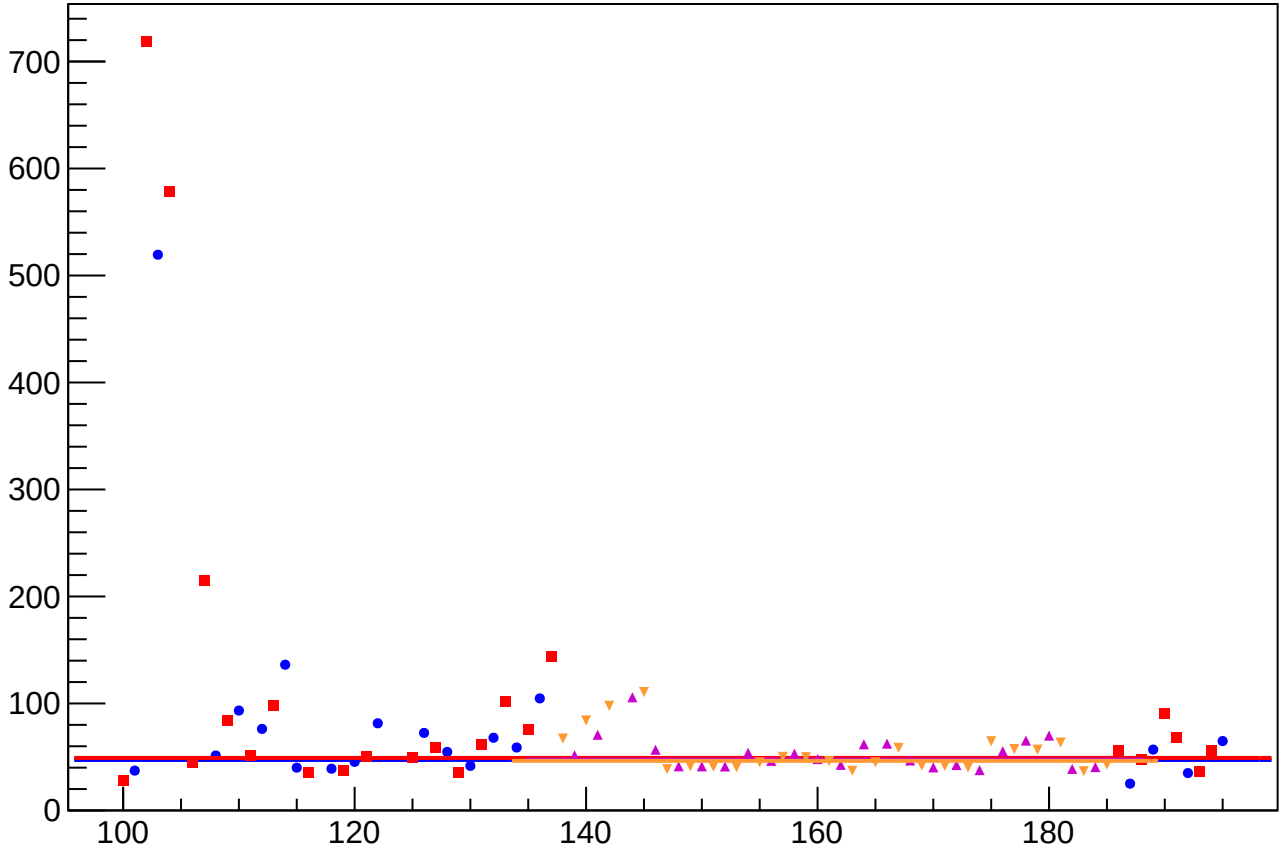
In: 47.461+/-0.007 χ^2/NDF:4488962.6/42

Out: 47.190+/-0.007 χ^2/NDF:5411866.7/47

All: 47.324+/-0.005 χ^2/NDF: 9901561.3/90


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
Right In: -0.005+/-0.018 χ²/NDF: 18.2/19
Left Out: 0.003+/-0.012 χ²/NDF:29.9/23
Right Out: 0.001+/-0.018 χ²/NDF: 15.3/23
Left In: -0.006+/-0.012 χ²/NDF:21.6/22
Left: -0.002+/-0.008 χ²/NDF: 51.8/46
Right: -0.002+/-0.013 χ²/NDF: 33.5/43
In: -0.006+/-0.010 χ²/NDF:39.8/42
Out: 0.002+/-0.010 χ²/NDF:45.2/47
All: -0.002+/-0.007 χ²/NDF: 85.3/90

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.210+/-0.013 χ^2/NDF: 2912190.6/19

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 49.096+/-0.013 χ^2/NDF: 3411680.1/23

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

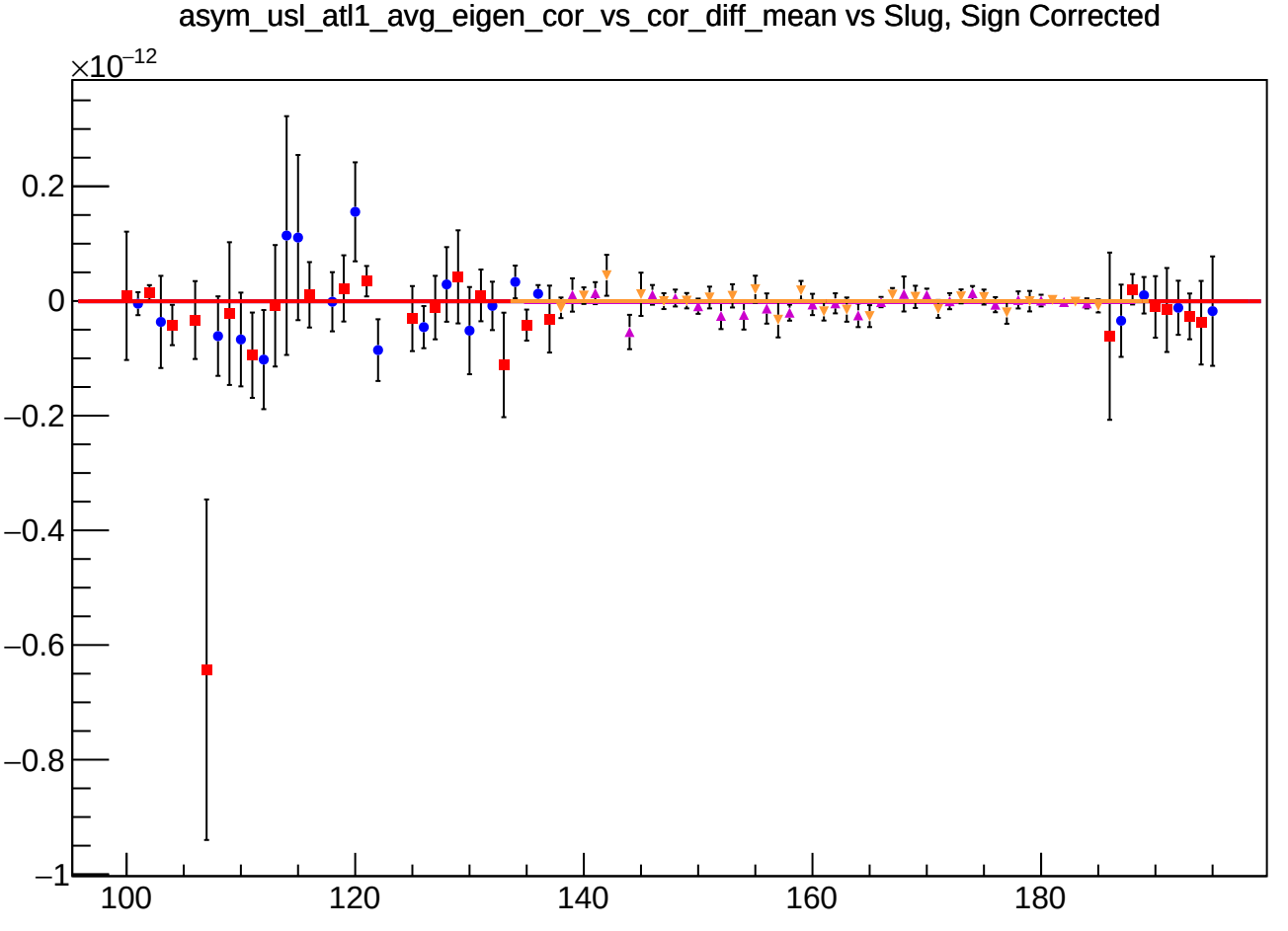
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 48.153+/-0.009 χ^2/NDF: 6334912.9/43

In: 47.461+/-0.007 χ^2/NDF:4488962.6/42

Out: 47.190+/-0.007 χ^2/NDF:5411866.7/47

All: 47.324+/-0.005 χ^2/NDF: 9901561.3/90



Right In: -0.000+/-0.000 χ^2/NDF: 14.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/23

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

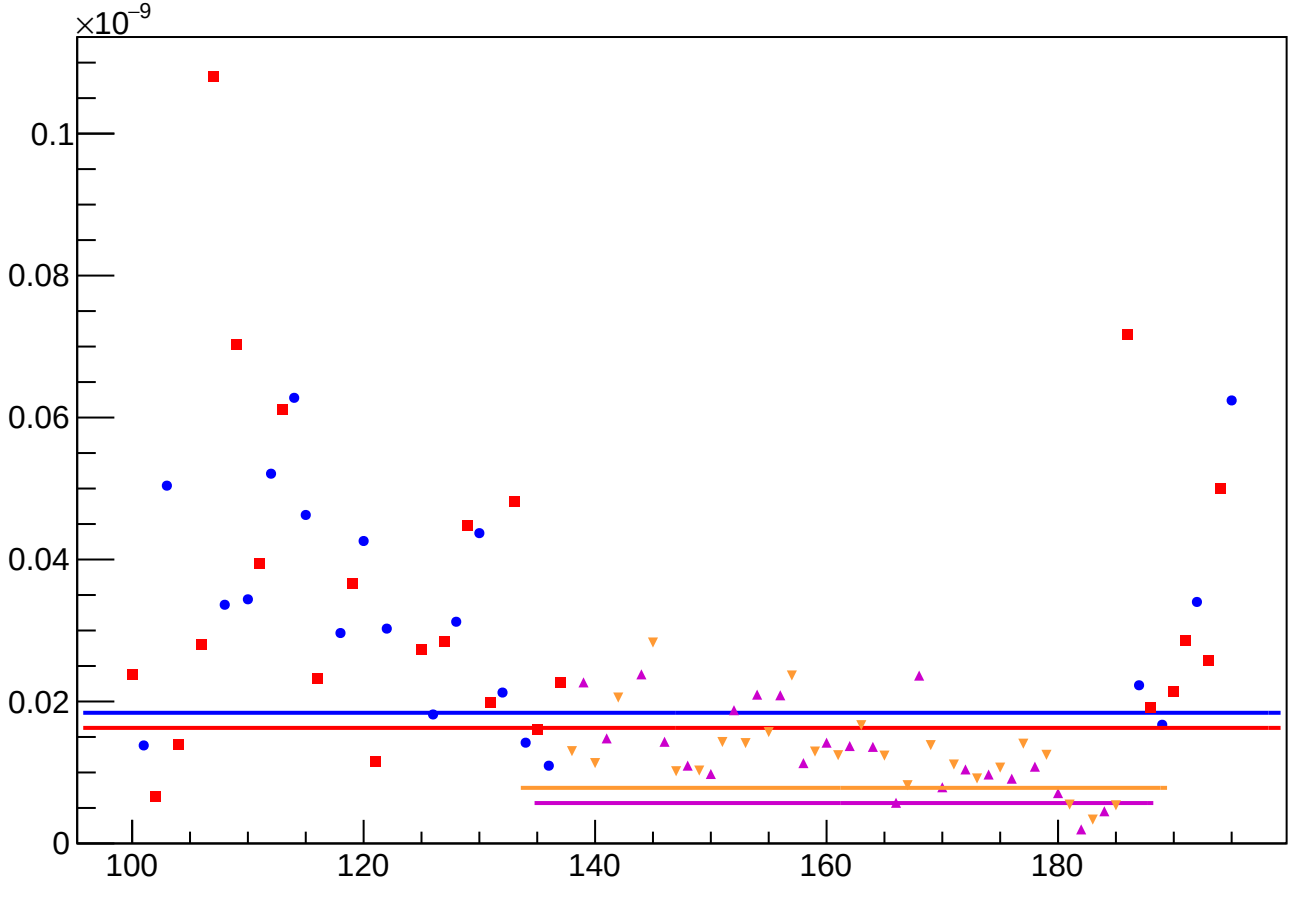
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: -0.000+/-0.000 χ^2/NDF: 32.2/43

In: -0.000+/-0.000 χ^2/NDF:27.9/42

Out: -0.000+/-0.000 χ^2/NDF:31.5/47

All: -0.000+/-0.000 χ^2/NDF: 59.7/90



Right In: 0.000+/-0.000 χ^2/NDF: 2903902.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4269604.9/23

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

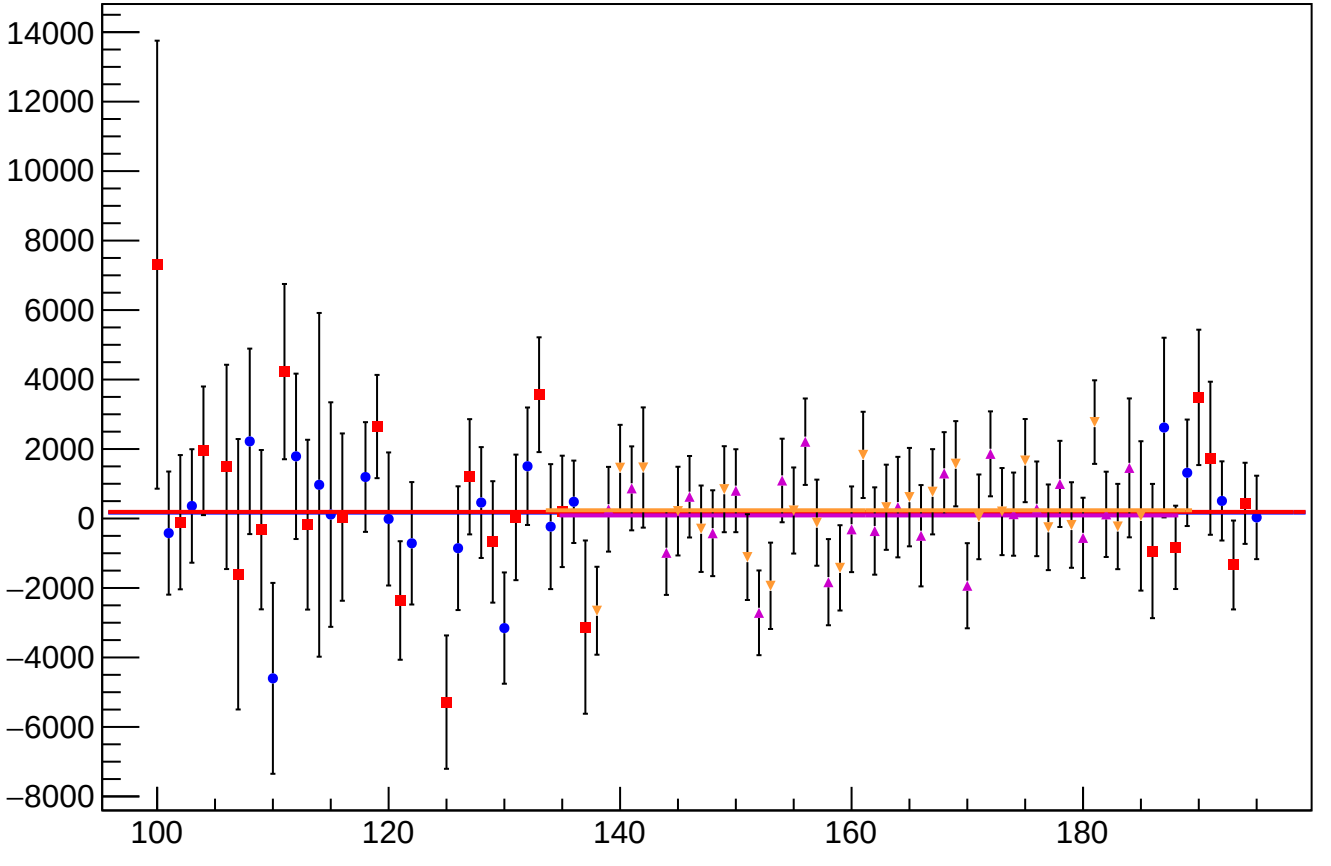
Right: 0.000+/-0.000 χ^2/NDF: 7237529.8/43

In: 0.000+/-0.000 χ^2/NDF:18111597.5/42

Out: 0.000+/-0.000 χ^2/NDF:12677174.9/47

All: 0.000+/-0.000 χ^2/NDF: 31733763.5/90

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 170.439+/-384.033 χ^2/NDF: 11.9/19

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 190.714+/-372.412 χ^2/NDF: 30.7/23

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

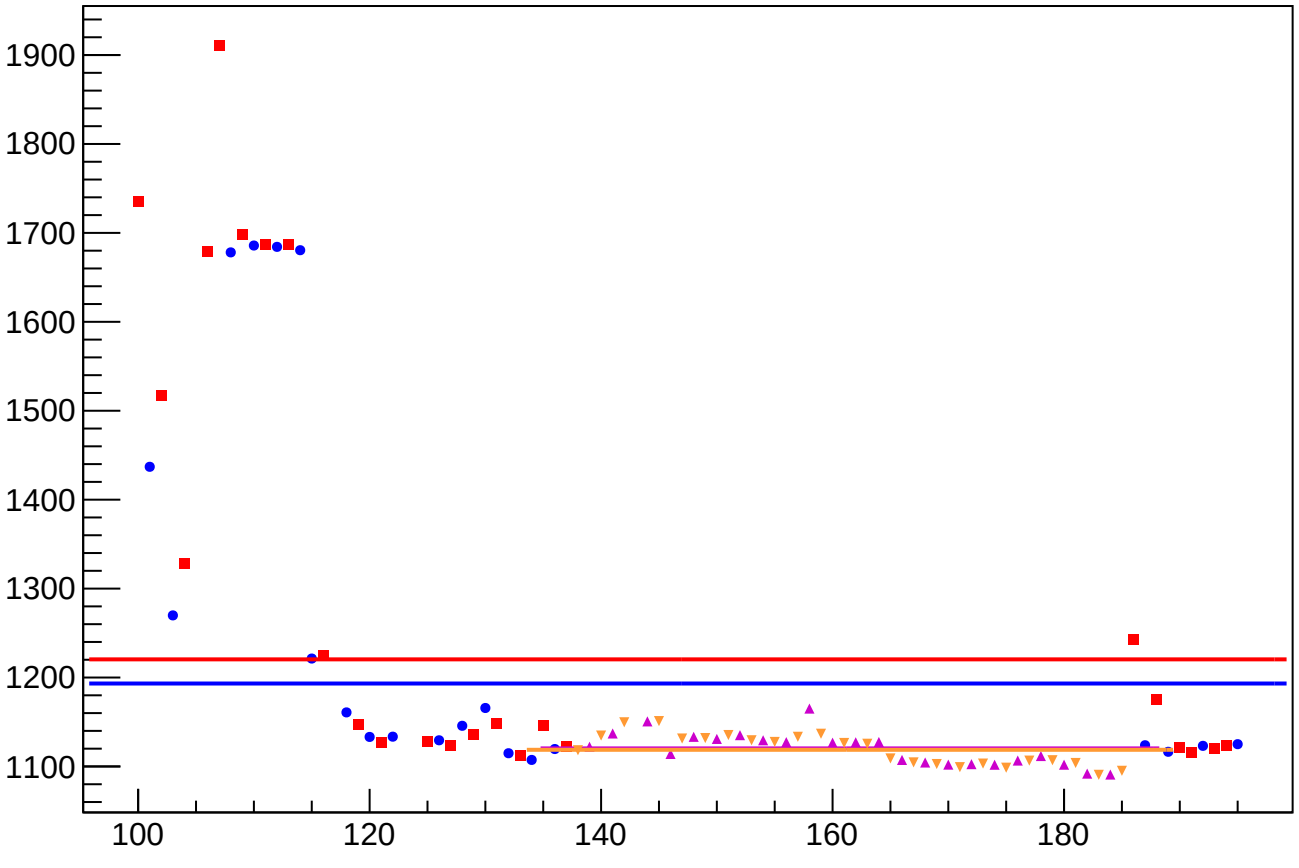
Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

Right: 180.888+/-267.349 χ^2/NDF: 42.6/43

In: 114.389+/-216.205 χ^2/NDF:32.8/42

Out: 221.590+/-213.003 χ^2/NDF:53.5/47

All: 168.789+/-151.735 χ^2/NDF: 86.4/90



Right In: 1193.268+/-0.272 χ^2/NDF: 324230.8/19

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1220.427+/-0.263 χ^2/NDF: 490778.1/23

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

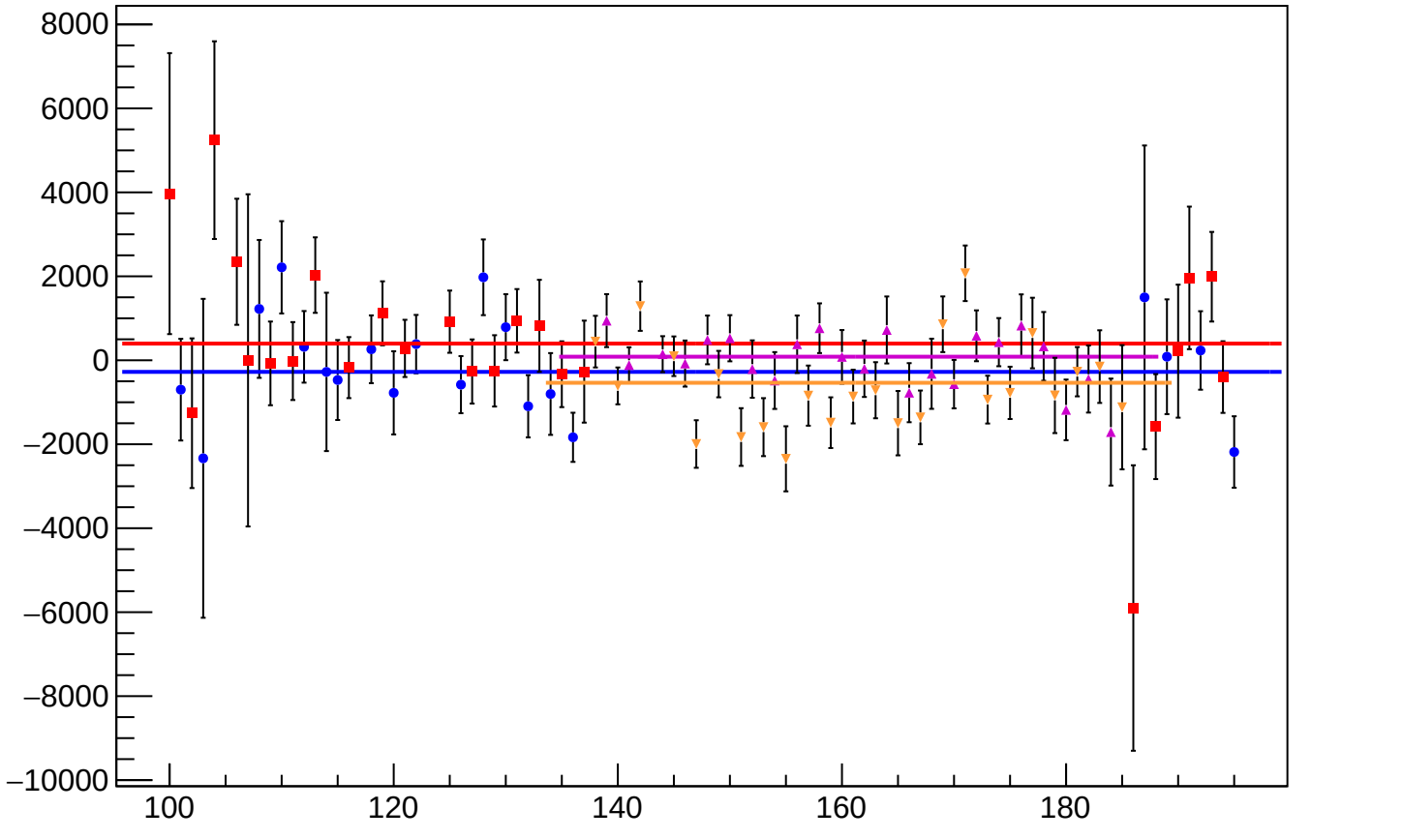
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1207.265+/-0.189 χ^2/NDF: 820164.3/43

In: 1143.433+/-0.153 χ^2/NDF:383017.0/42

Out: 1152.001+/-0.151 χ^2/NDF:599330.4/47

All: 1147.781+/-0.107 χ^2/NDF: 983941.1/90



Right In: -276.243+/-207.300 χ^2/NDF: 31.0/19

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 398.069+/-204.999 χ^2/NDF: 26.8/23

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

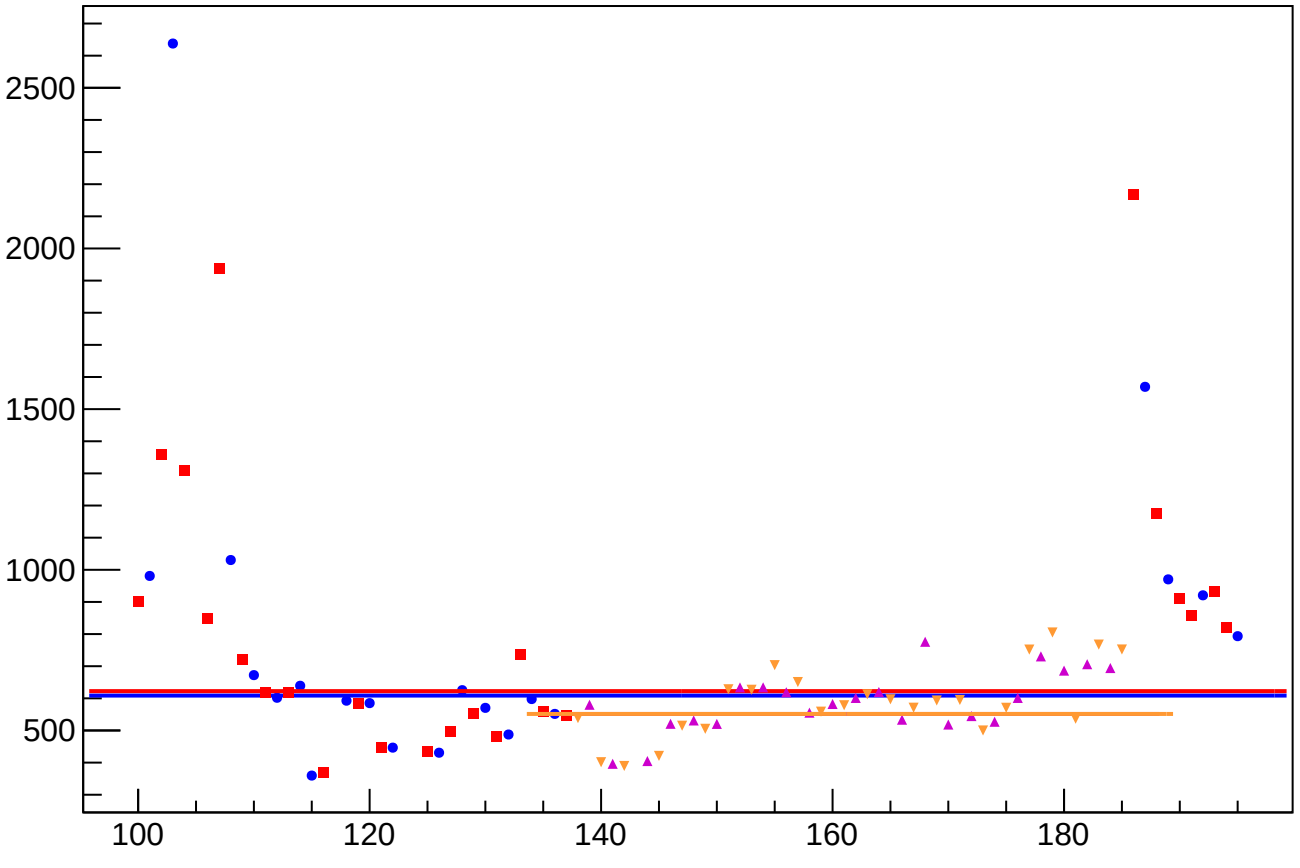
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 64.677+/-145.763 χ^2/NDF: 63.1/43

In: -17.870+/-110.721 χ^2/NDF:50.3/42

Out: -266.132+/-110.174 χ^2/NDF:103.1/47

All: -142.615+/-78.097 χ^2/NDF: 156.0/90



Right In: 608.637+/-0.147 χ^2/NDF: 1959498.3/19

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 622.456+/-0.145 χ^2/NDF: 2689328.6/23

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

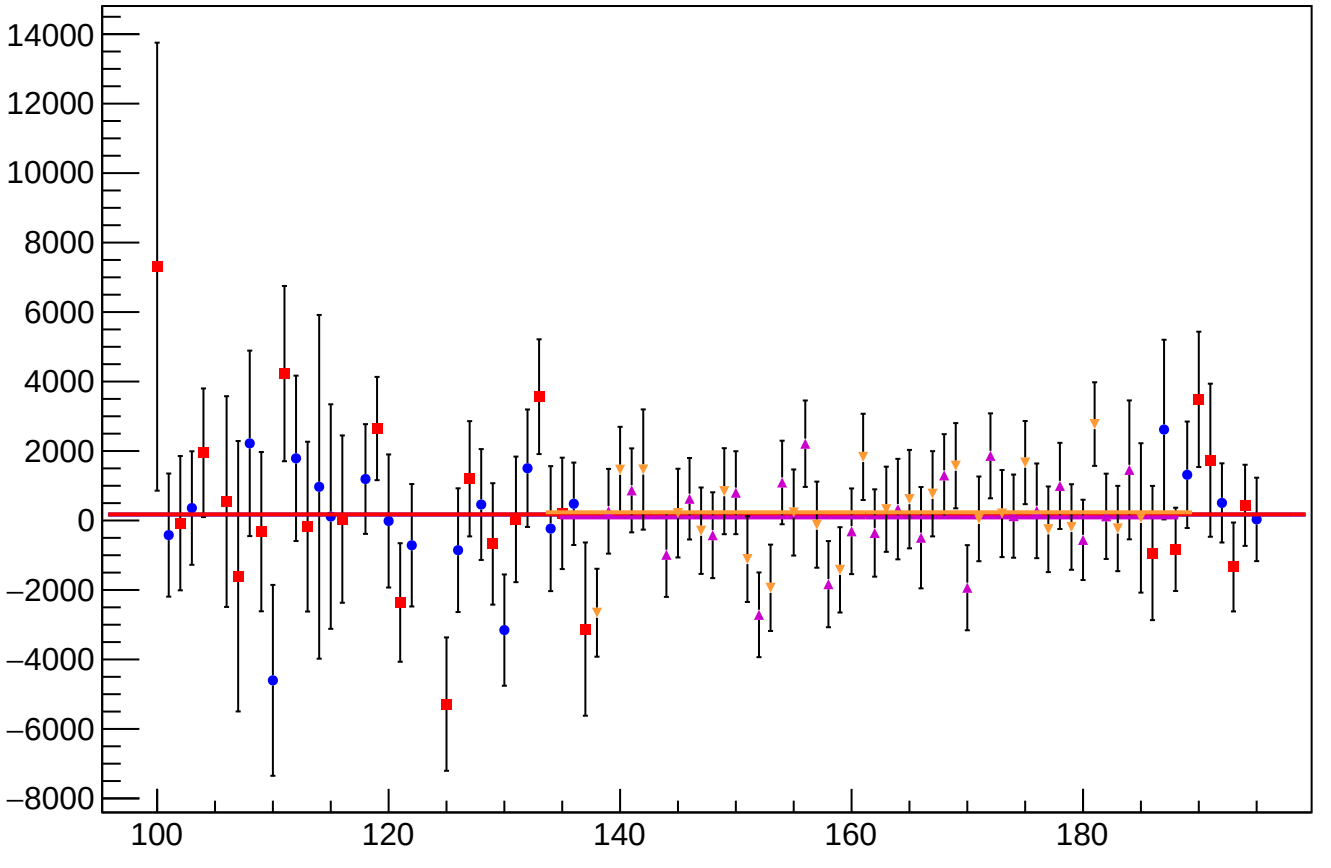
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 615.623+/-0.103 χ^2/NDF: 4653320.3/43

In: 567.682+/-0.078 χ^2/NDF:3130479.9/42

Out: 571.952+/-0.078 χ^2/NDF:4086633.2/47

All: 569.828+/-0.055 χ^2/NDF: 7218607.6/90



Right In: 170.276+/-384.033 χ^2/NDF: 11.9/19

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 176.431+/-372.593 χ^2/NDF: 30.6/23

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

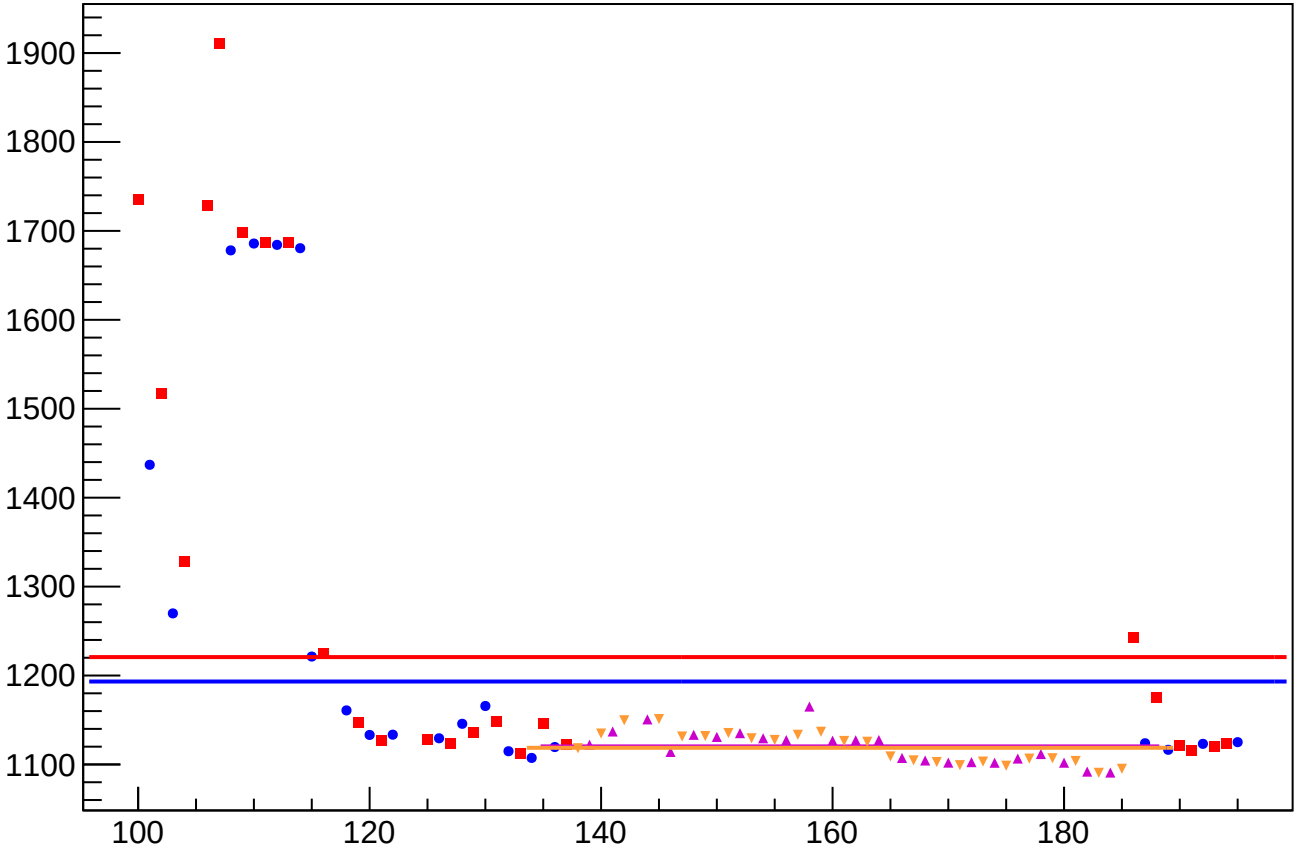
Right: 173.447+/-267.416 χ^2/NDF: 42.4/43

In: 114.330+/-216.205 χ^2/NDF:32.8/42

Out: 216.958+/-213.036 χ^2/NDF:53.3/47

All: 166.402+/-151.747 χ^2/NDF: 86.2/90

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1193.268+/-0.272 χ^2/NDF: 324230.9/19

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1220.741+/-0.263 χ^2/NDF: 498365.4/23

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

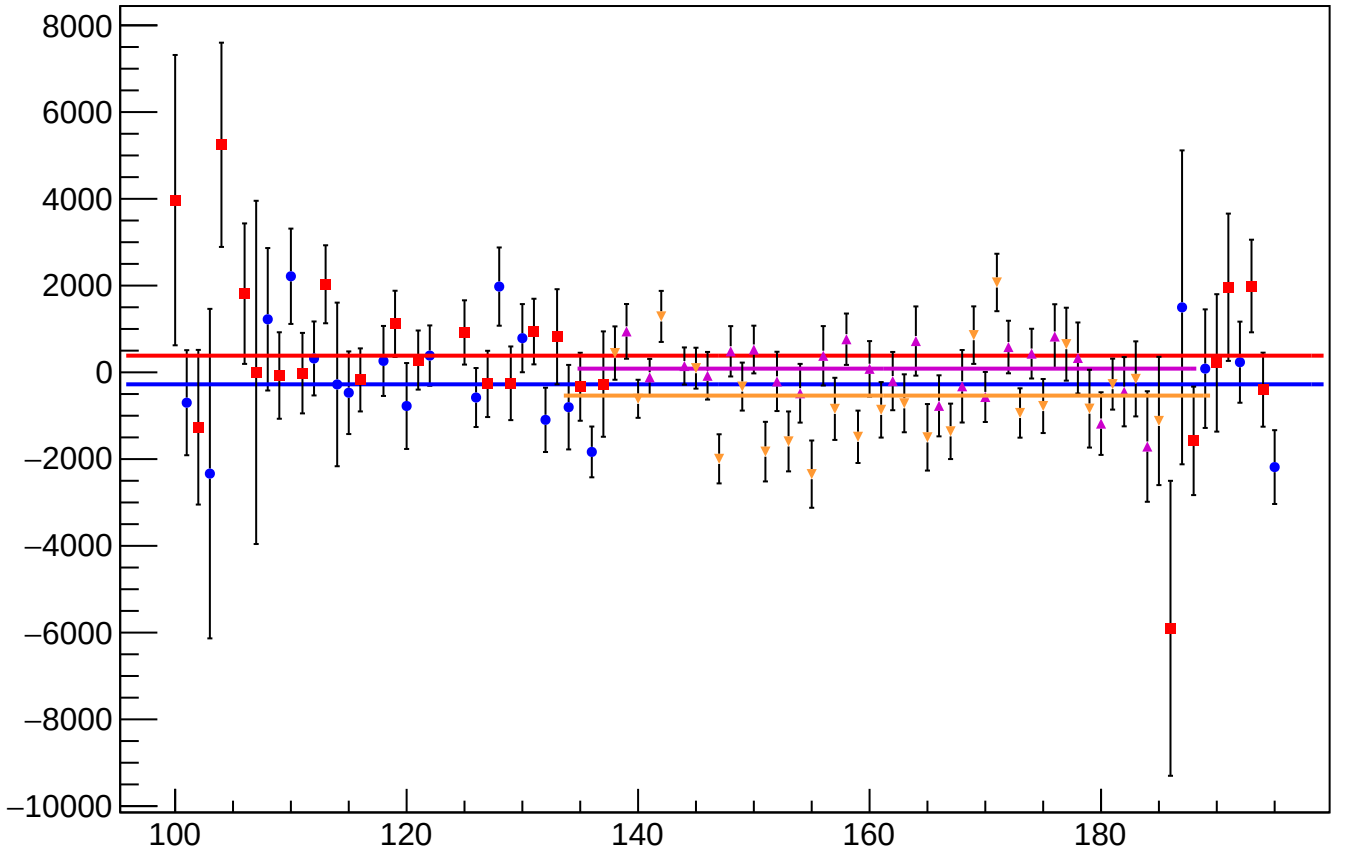
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1207.420+/-0.189 χ^2/NDF: 827868.8/43

In: 1143.433+/-0.153 χ^2/NDF:383017.1/42

Out: 1152.081+/-0.151 χ^2/NDF:607471.2/47

All: 1147.821+/-0.107 χ^2/NDF: 992112.0/90



Right In: -276.233+/-207.299 χ^2/NDF: 31.0/19

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 384.452+/-205.266 χ^2/NDF: 25.9/23

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

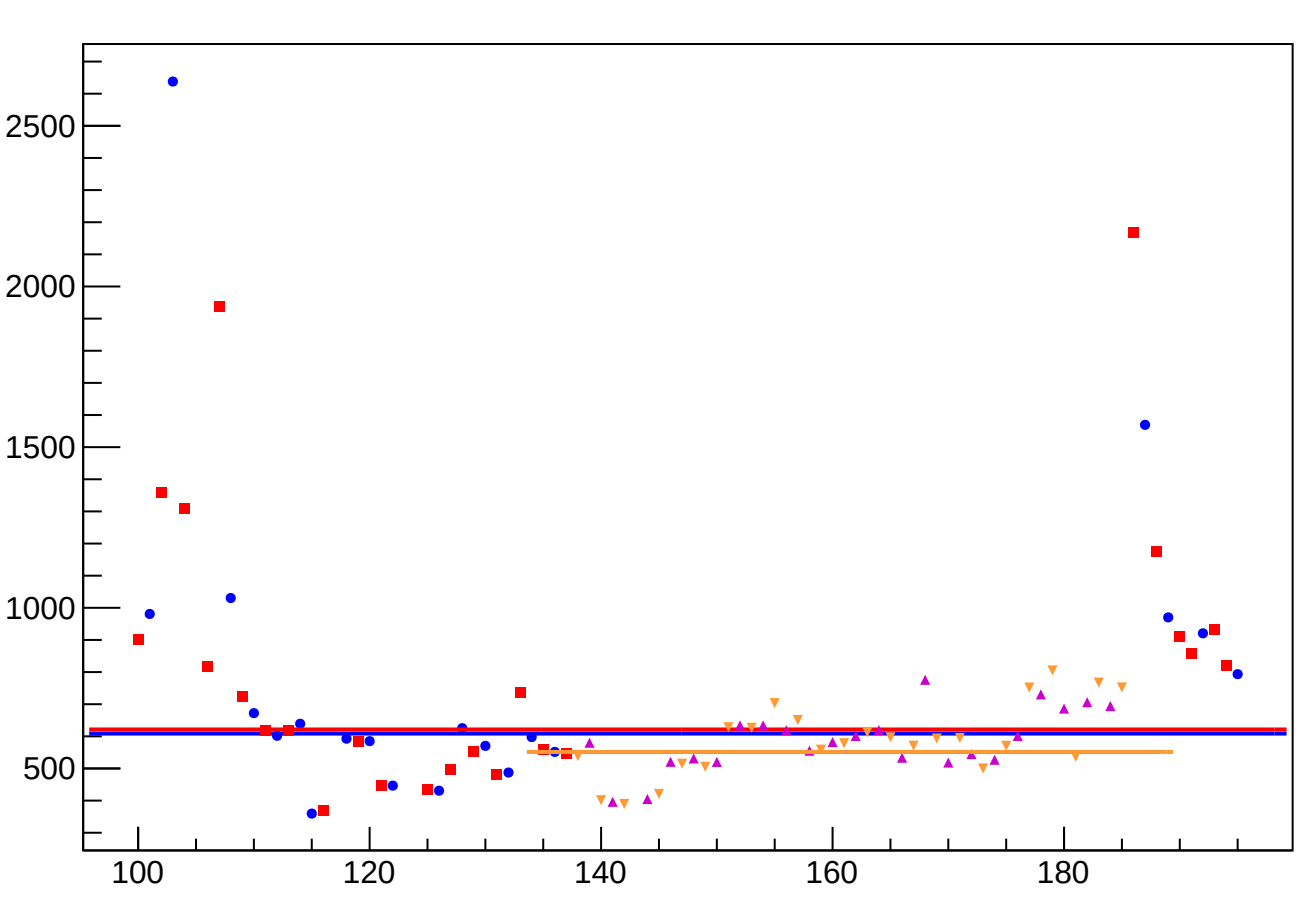
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 57.364+/-145.858 χ^2/NDF: 62.0/43

In: -17.876+/-110.720 χ^2/NDF:50.4/42

Out: -270.580+/-110.216 χ^2/NDF:101.7/47

All: -144.805+/-78.112 χ^2/NDF: 154.7/90



Right In: 608.632+/-0.147 χ^2/NDF: 1959489.9/19

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 621.363+/-0.145 χ^2/NDF: 2673322.7/23

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

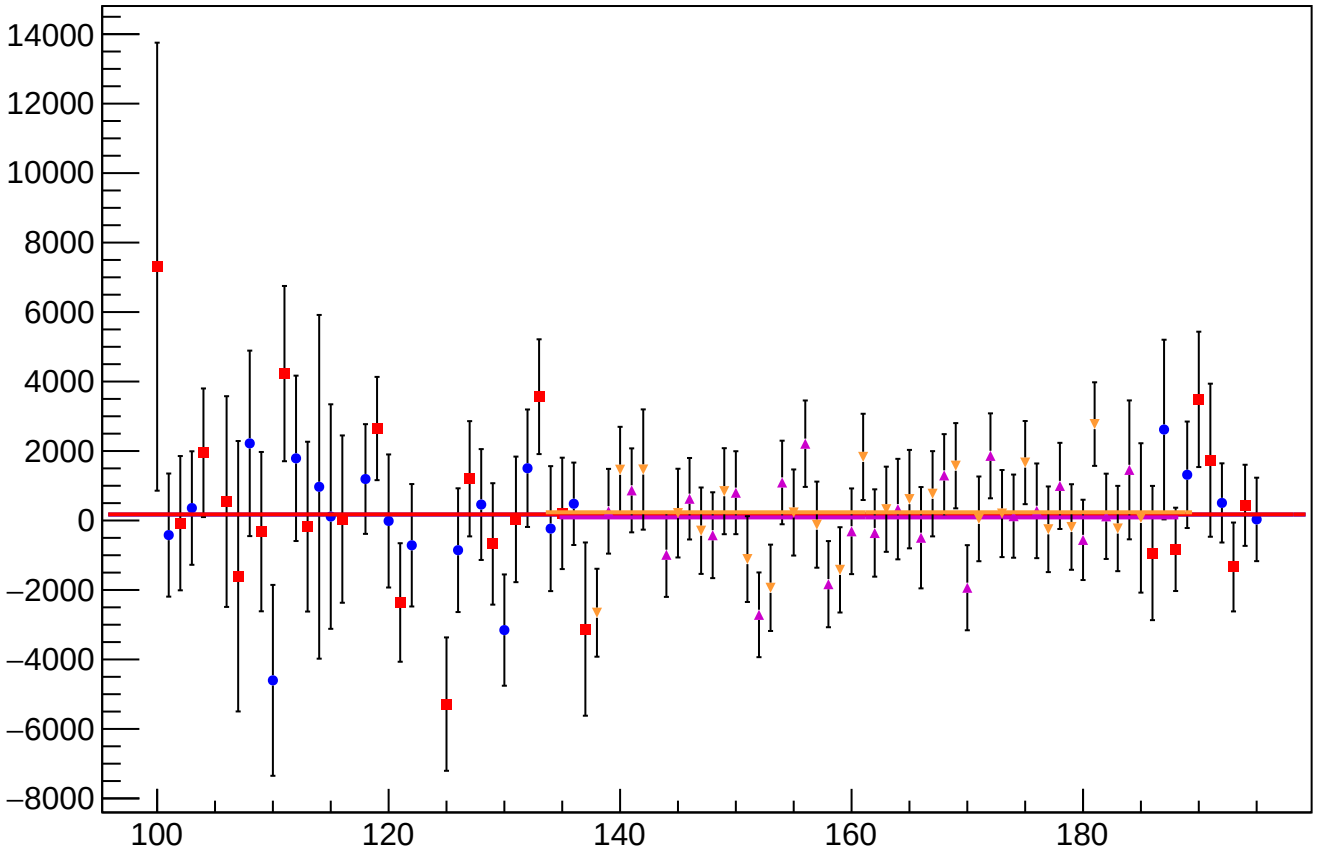
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 615.060+/-0.103 χ^2/NDF: 4636621.3/43

In: 567.681+/-0.078 χ^2/NDF:3130425.5/42

Out: 571.599+/-0.078 χ^2/NDF:4065128.0/47

All: 569.649+/-0.055 χ^2/NDF: 7196811.4/90



Right In: 170.276+/-384.033 χ^2/NDF: 11.9/19

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 176.431+/-372.593 χ^2/NDF: 30.6/23

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

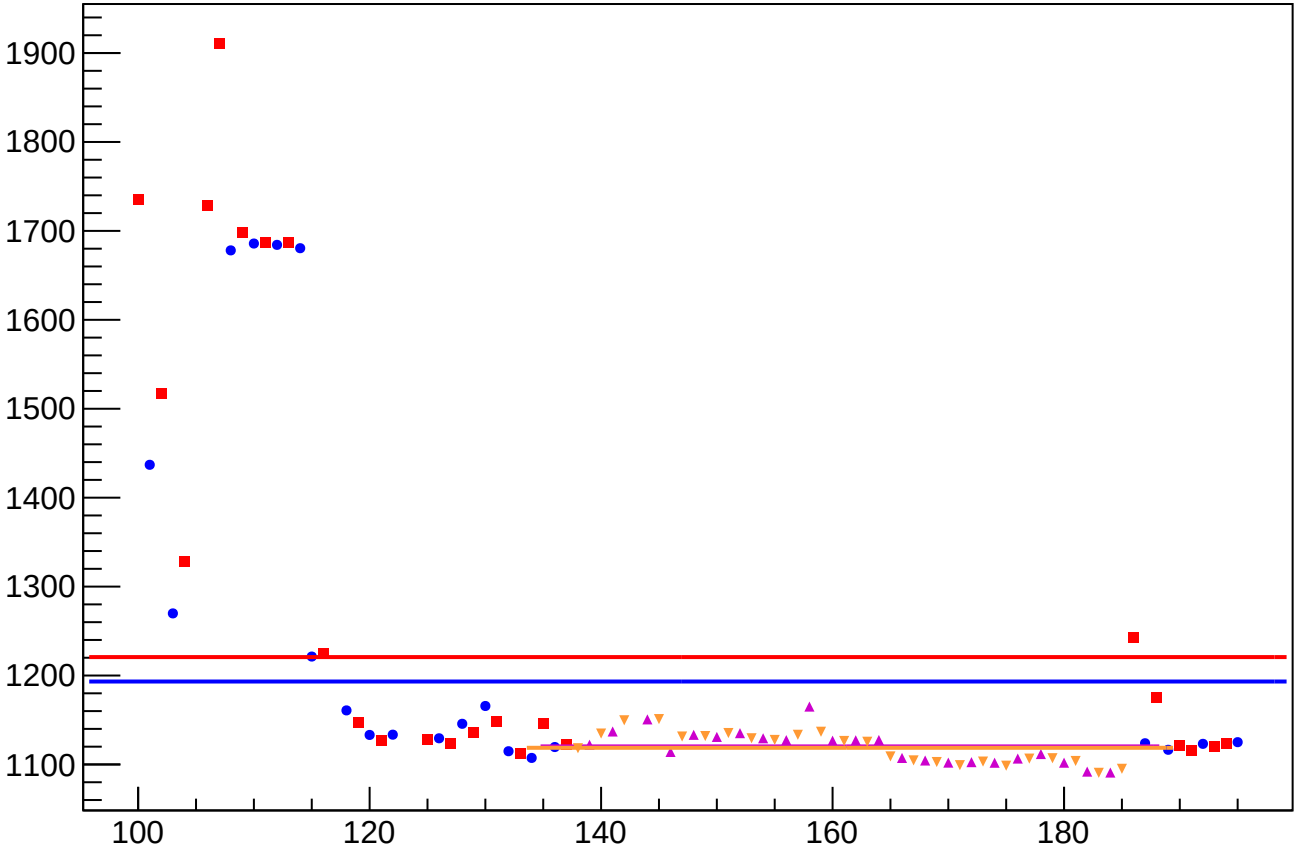
Right: 173.447+/-267.416 χ^2/NDF: 42.4/43

In: 114.330+/-216.205 χ^2/NDF:32.8/42

Out: 216.958+/-213.036 χ^2/NDF:53.3/47

All: 166.402+/-151.747 χ^2/NDF: 86.2/90

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1193.268+/-0.272 χ^2/NDF: 324230.9/19

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1220.741+/-0.263 χ^2/NDF: 498365.4/23

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

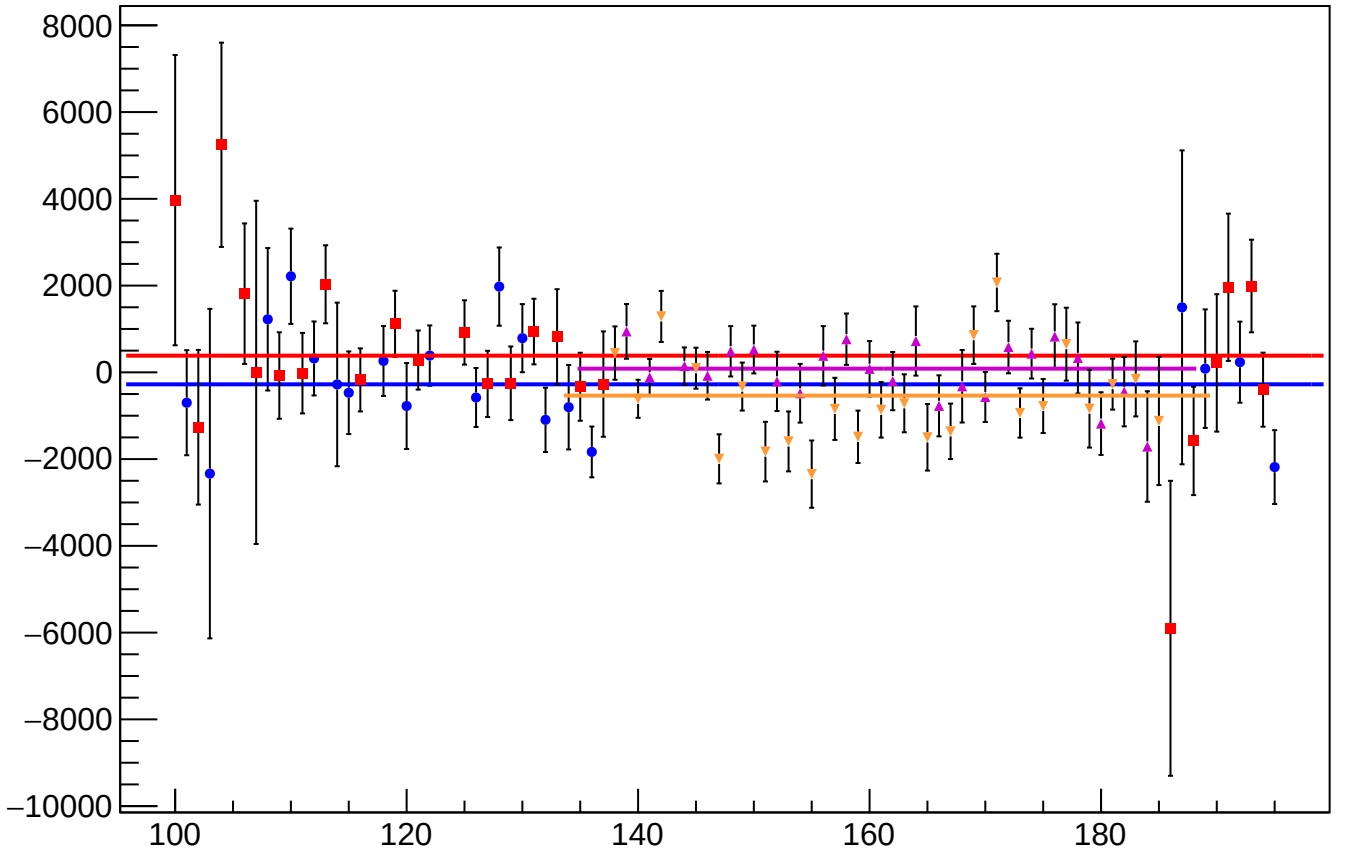
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1207.420+/-0.189 χ^2/NDF: 827868.8/43

In: 1143.433+/-0.153 χ^2/NDF:383017.1/42

Out: 1152.081+/-0.151 χ^2/NDF:607471.2/47

All: 1147.821+/-0.107 χ^2/NDF: 992112.0/90



Right In: -276.233+/-207.299 χ^2/NDF: 31.0/19

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 384.452+/-205.266 χ^2/NDF: 25.9/23

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

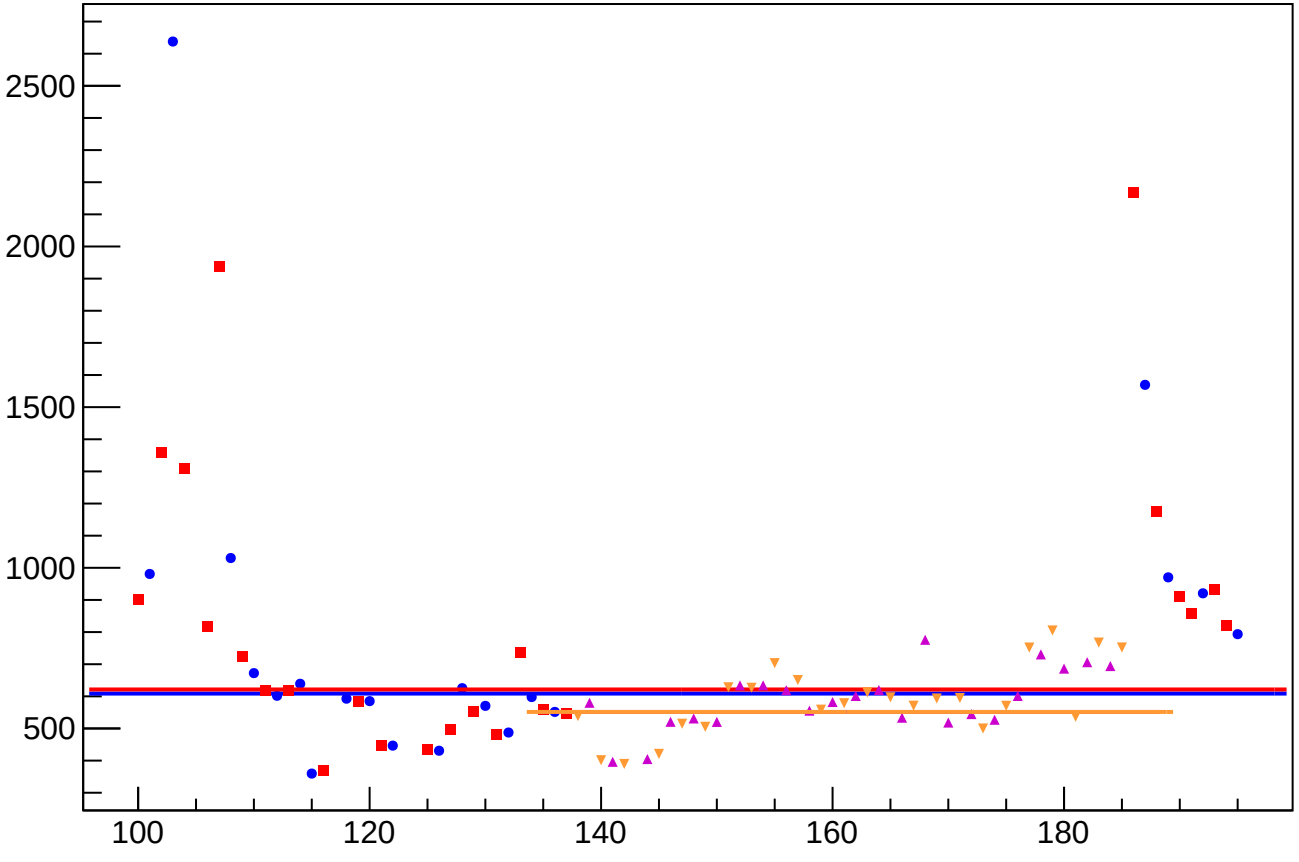
Right: 57.364+/-145.858 χ^2/NDF: 62.0/43

In: -17.876+/-110.720 χ^2/NDF:50.4/42

Out: -270.580+/-110.216 χ^2/NDF:101.7/47

All: -144.805+/-78.112 χ^2/NDF: 154.7/90

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 608.632+/-0.147 χ^2/NDF: 1959489.9/19

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 621.363+/-0.145 χ^2/NDF: 2673322.7/23

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

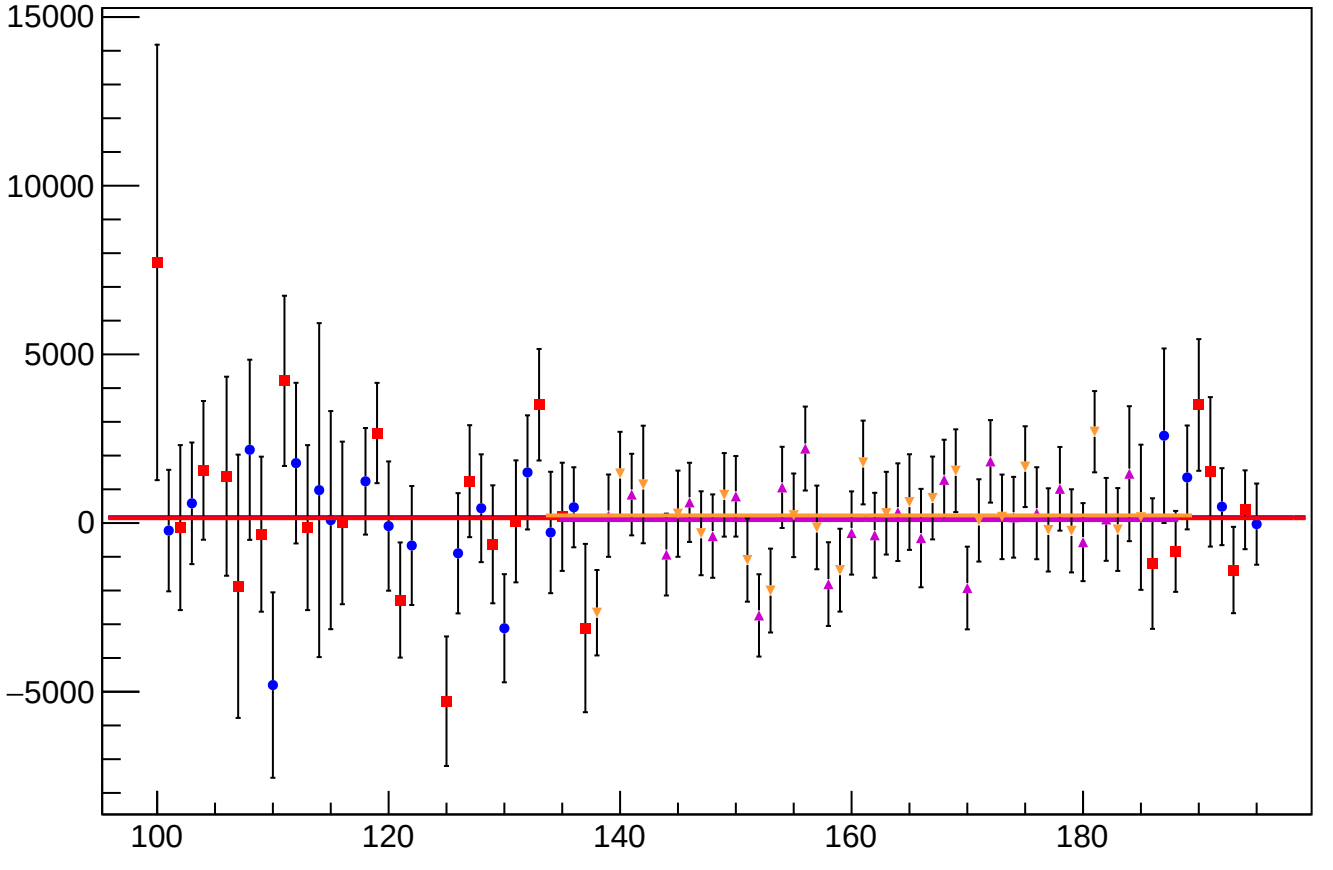
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 615.060+/-0.103 χ^2/NDF: 4636621.3/43

In: 567.681+/-0.078 χ^2/NDF:3130425.5/42

Out: 571.599+/-0.078 χ^2/NDF:4065128.0/47

All: 569.649+/-0.055 χ^2/NDF: 7196811.4/90



Right In: 172.432+/-386.591 χ^2/NDF: 12.0/19

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 144.273+/-376.838 χ^2/NDF: 30.3/23

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

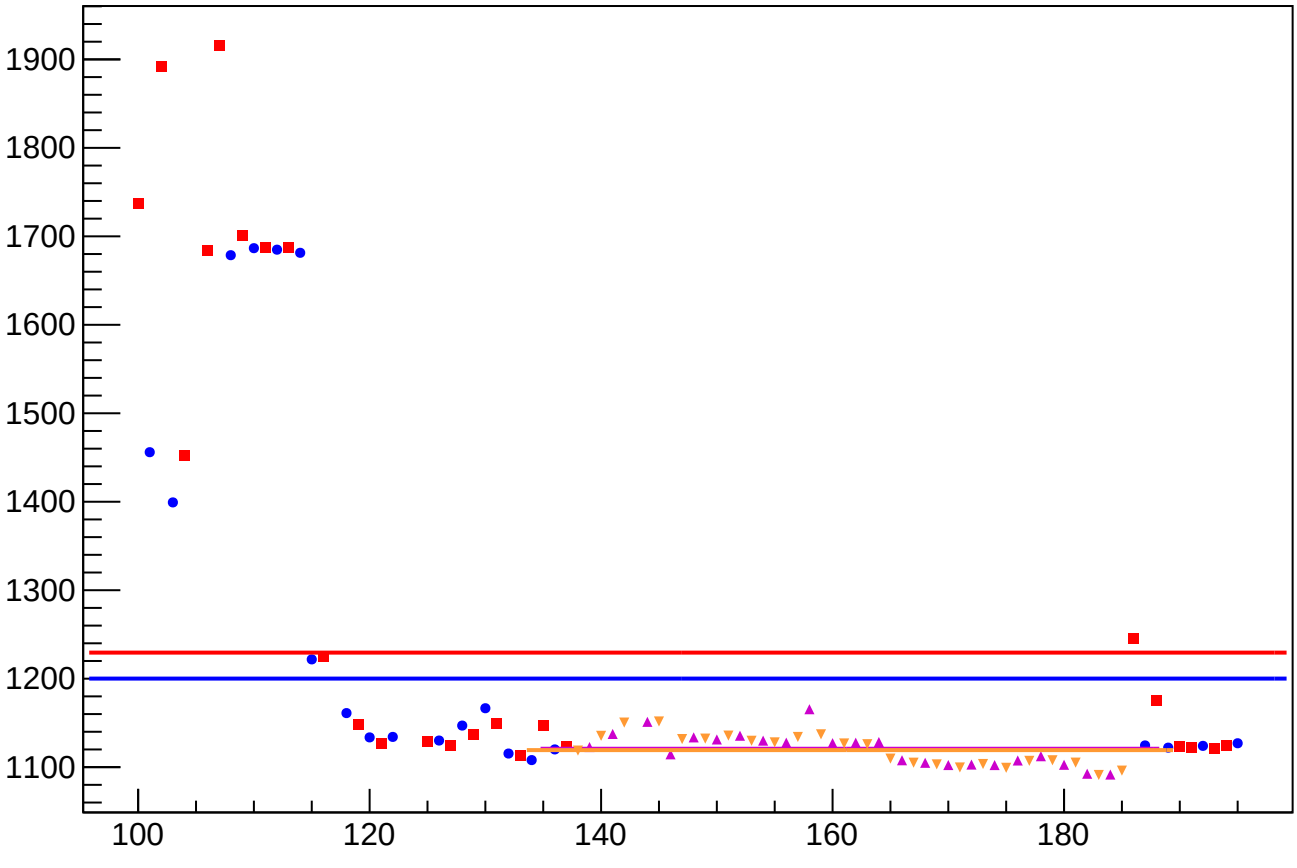
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 157.993+/-269.847 χ^2/NDF: 42.3/43

In: 115.274+/-216.724 χ^2/NDF:32.6/42

Out: 199.437+/-213.910 χ^2/NDF:52.5/47

All: 157.906+/-152.242 χ^2/NDF: 85.2/90



Right In: 1200.103+/-0.273 χ^2/NDF: 348652.7/19

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1229.469+/-0.266 χ^2/NDF: 612700.6/23

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

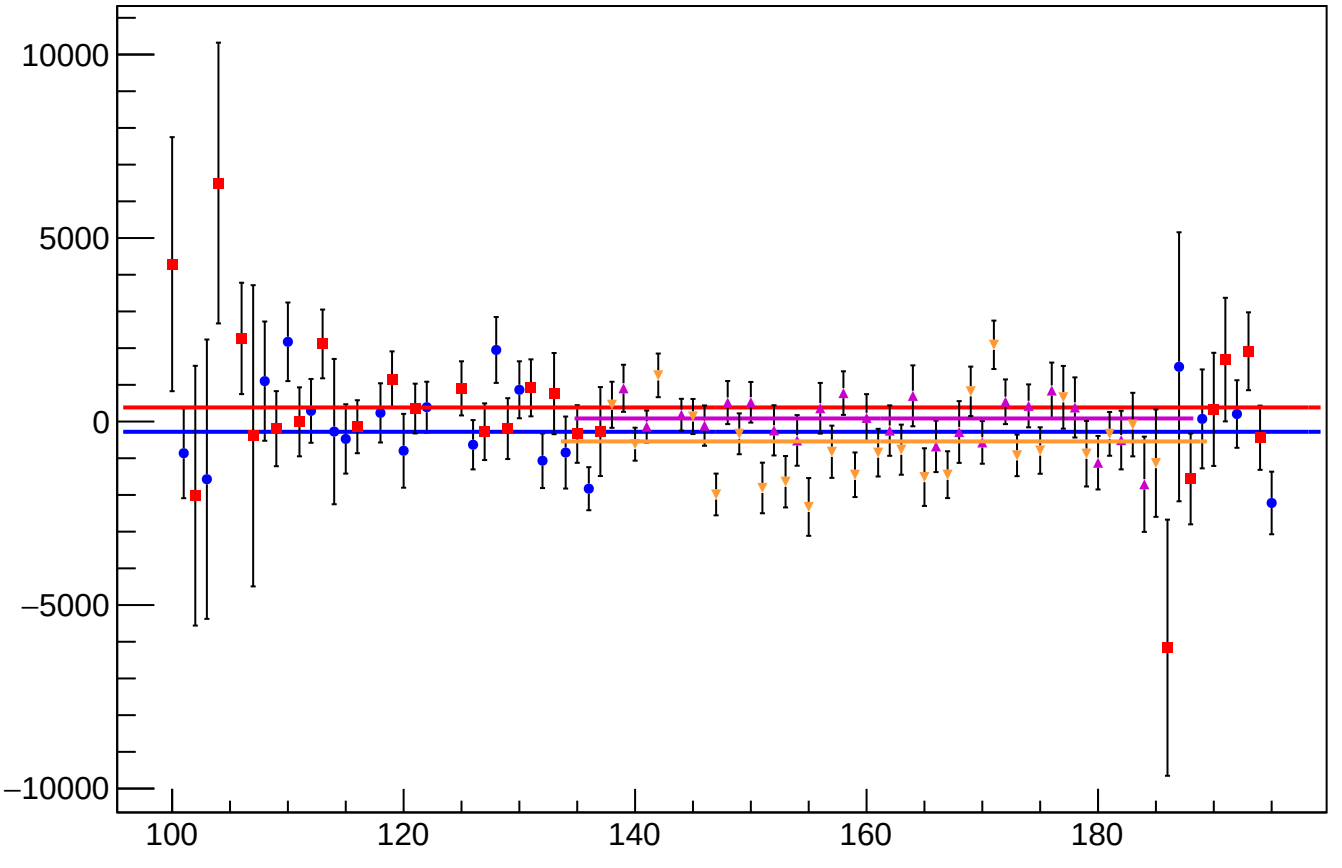
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1215.161+/-0.191 χ^2/NDF: 967270.6/43

In: 1145.723+/-0.153 χ^2/NDF:415789.8/42

Out: 1154.770+/-0.151 χ^2/NDF:736790.1/47

All: 1150.306+/-0.108 χ^2/NDF: 1154345.3/90



Right In: -279.406+/-207.025 χ^2/NDF: 31.2/19

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 383.681+/-207.706 χ^2/NDF: 24.3/23

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

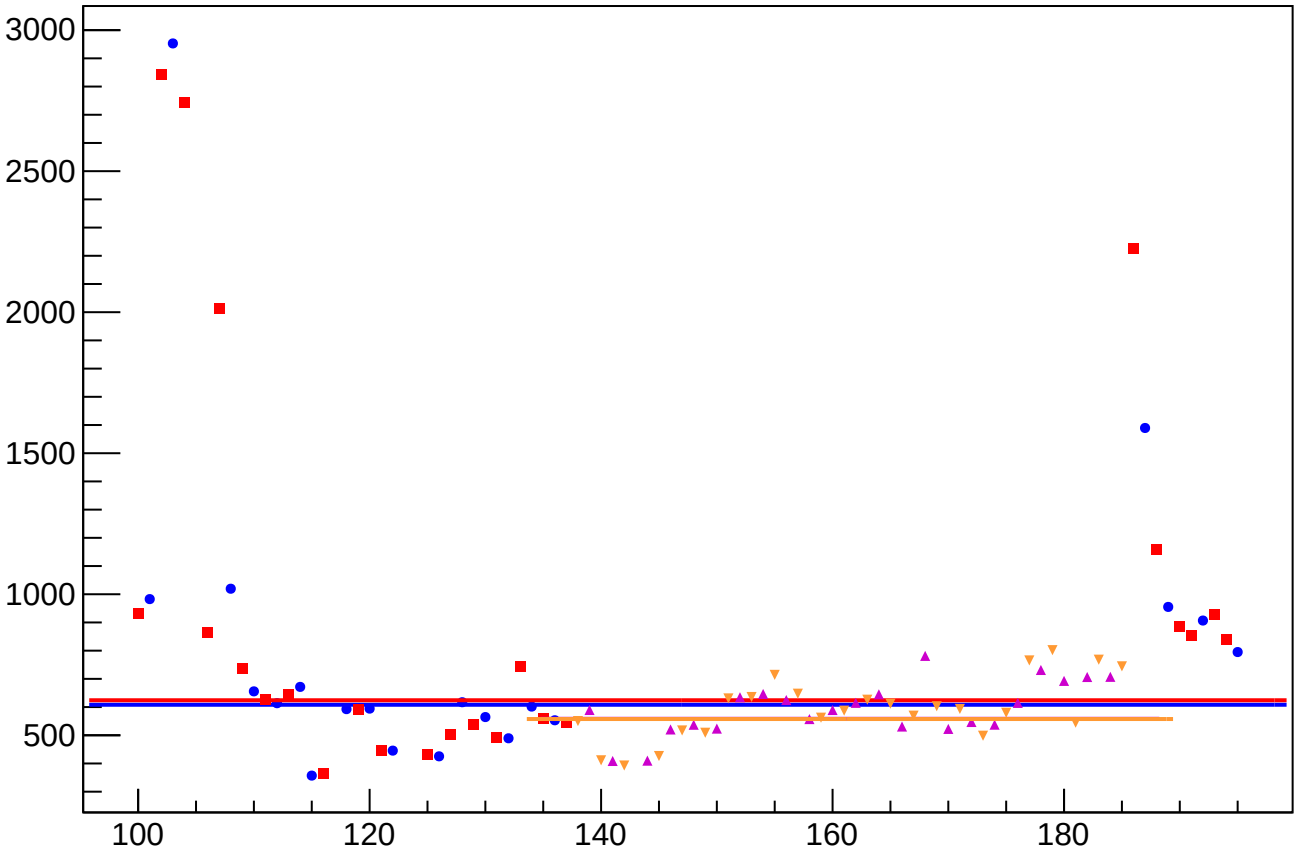
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 51.049+/-146.629 χ^2/NDF: 60.6/43

In: -21.571+/-111.629 χ^2/NDF:49.8/42

Out: -275.369+/-111.413 χ^2/NDF:99.3/47

All: -148.715+/-78.857 χ^2/NDF: 151.7/90



Right In: 608.206+/-0.146 χ^2/NDF: 2138273.5/19

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 624.145+/-0.147 χ^2/NDF: 3602891.9/23

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

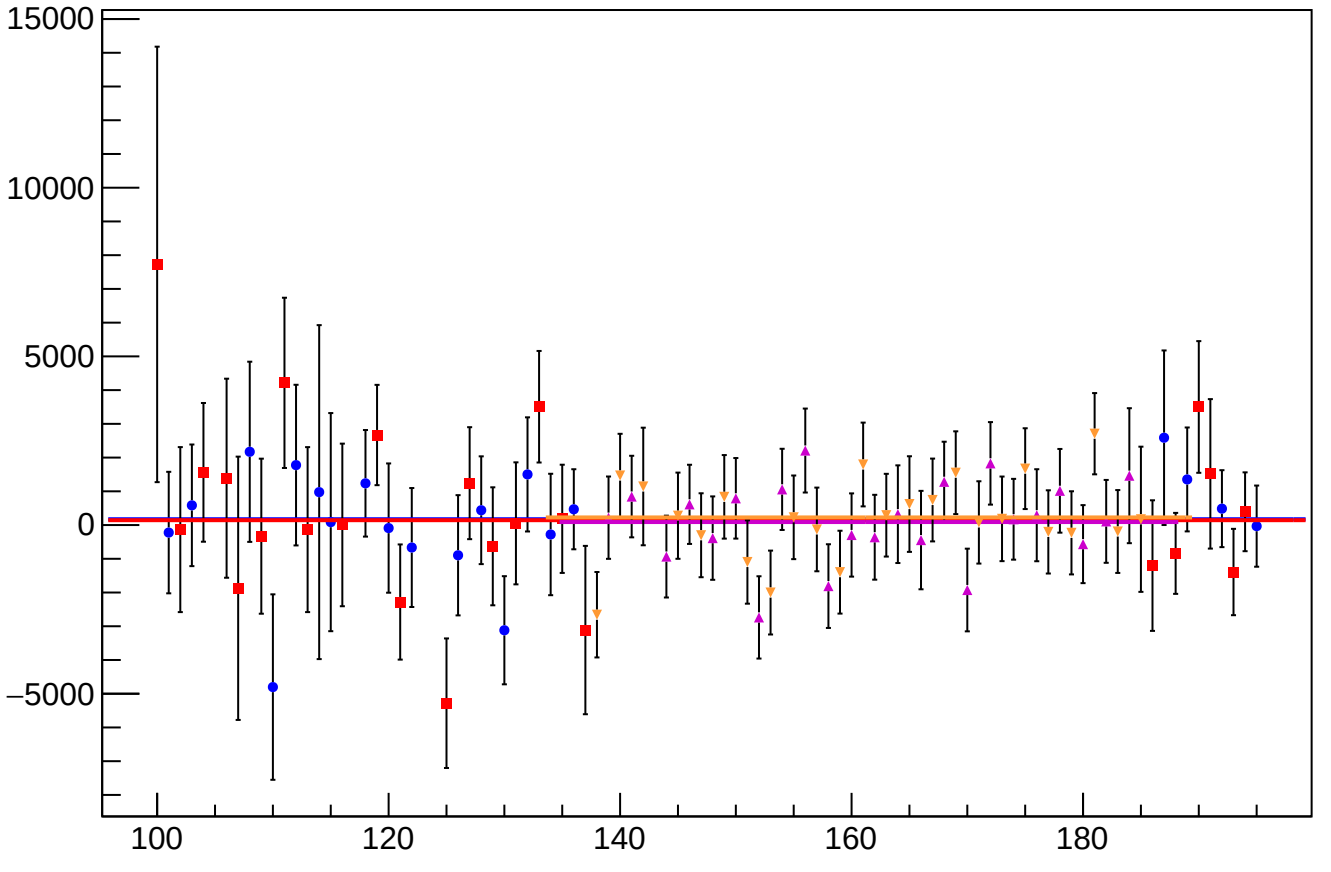
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 616.149+/-0.104 χ^2/NDF: 5747073.2/43

In: 572.876+/-0.079 χ^2/NDF:3248213.1/42

Out: 576.741+/-0.079 χ^2/NDF:4942418.6/47

All: 574.812+/-0.056 χ^2/NDF: 8191832.7/90



Right In: 172.432+/-386.591 χ^2/NDF: 12.0/19

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 144.272+/-376.838 χ^2/NDF: 30.3/23

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

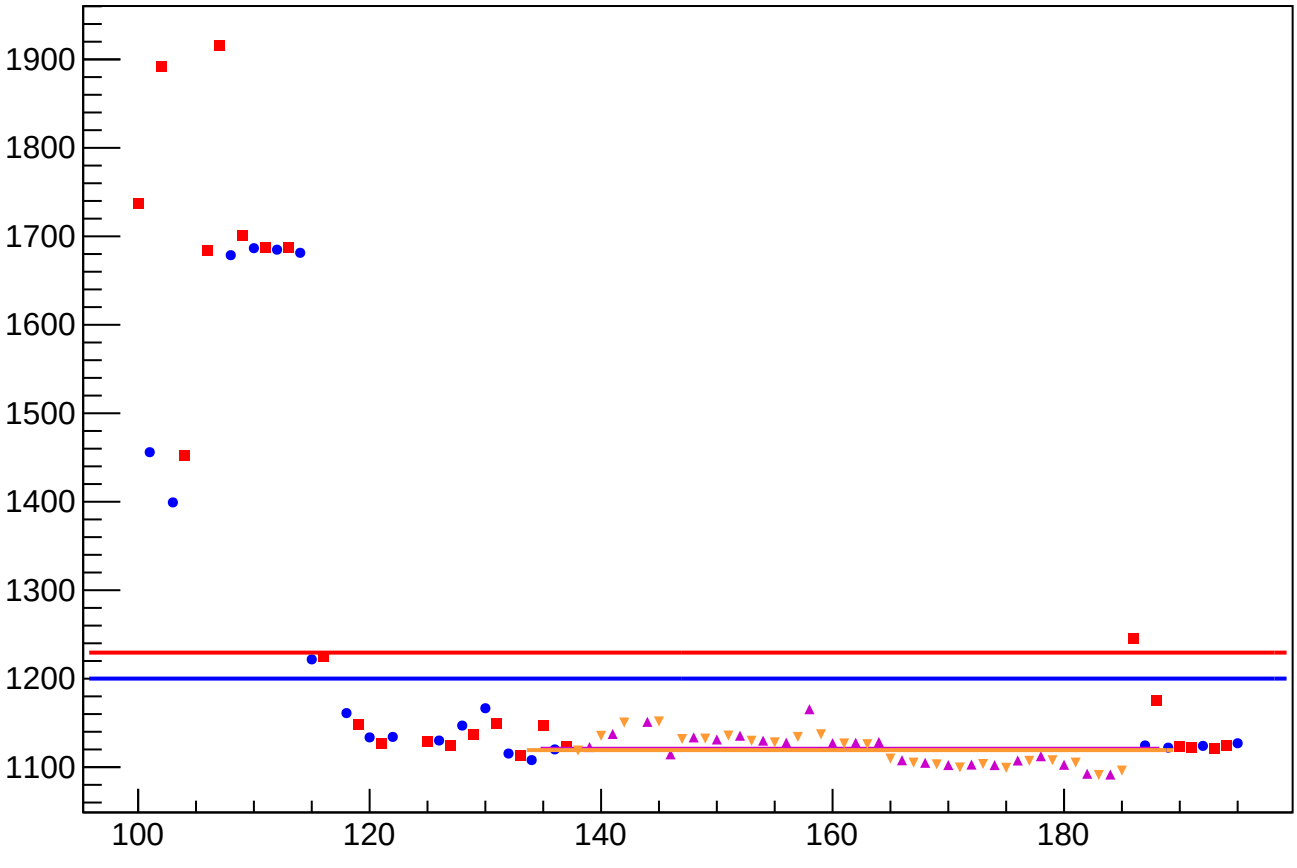
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 157.993+/-269.847 χ^2/NDF: 42.3/43

In: 115.275+/-216.724 χ^2/NDF:32.6/42

Out: 199.436+/-213.910 χ^2/NDF:52.5/47

All: 157.905+/-152.242 χ^2/NDF: 85.2/90



Right In: 1200.103+/-0.273 χ^2/NDF: 348652.2/19

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1229.469+/-0.266 χ^2/NDF: 612700.0/23

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

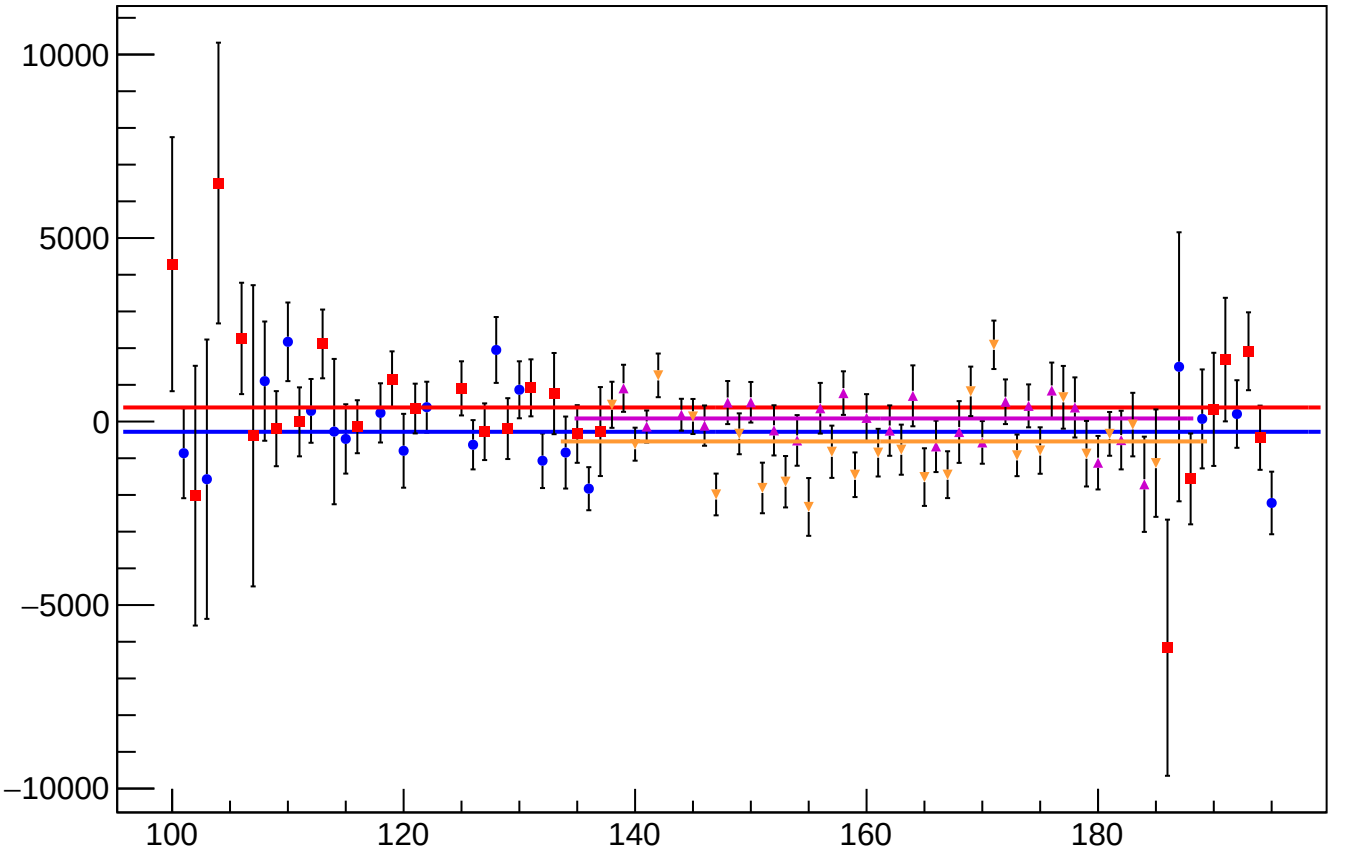
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1215.161+/-0.191 χ^2/NDF: 967269.6/43

In: 1145.723+/-0.153 χ^2/NDF:415789.3/42

Out: 1154.770+/-0.151 χ^2/NDF:736789.4/47

All: 1150.306+/-0.108 χ^2/NDF: 1154344.1/90



Right In: -279.406+/-207.025 χ^2/NDF: 31.2/19

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 383.682+/-207.706 χ^2/NDF: 24.3/23

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

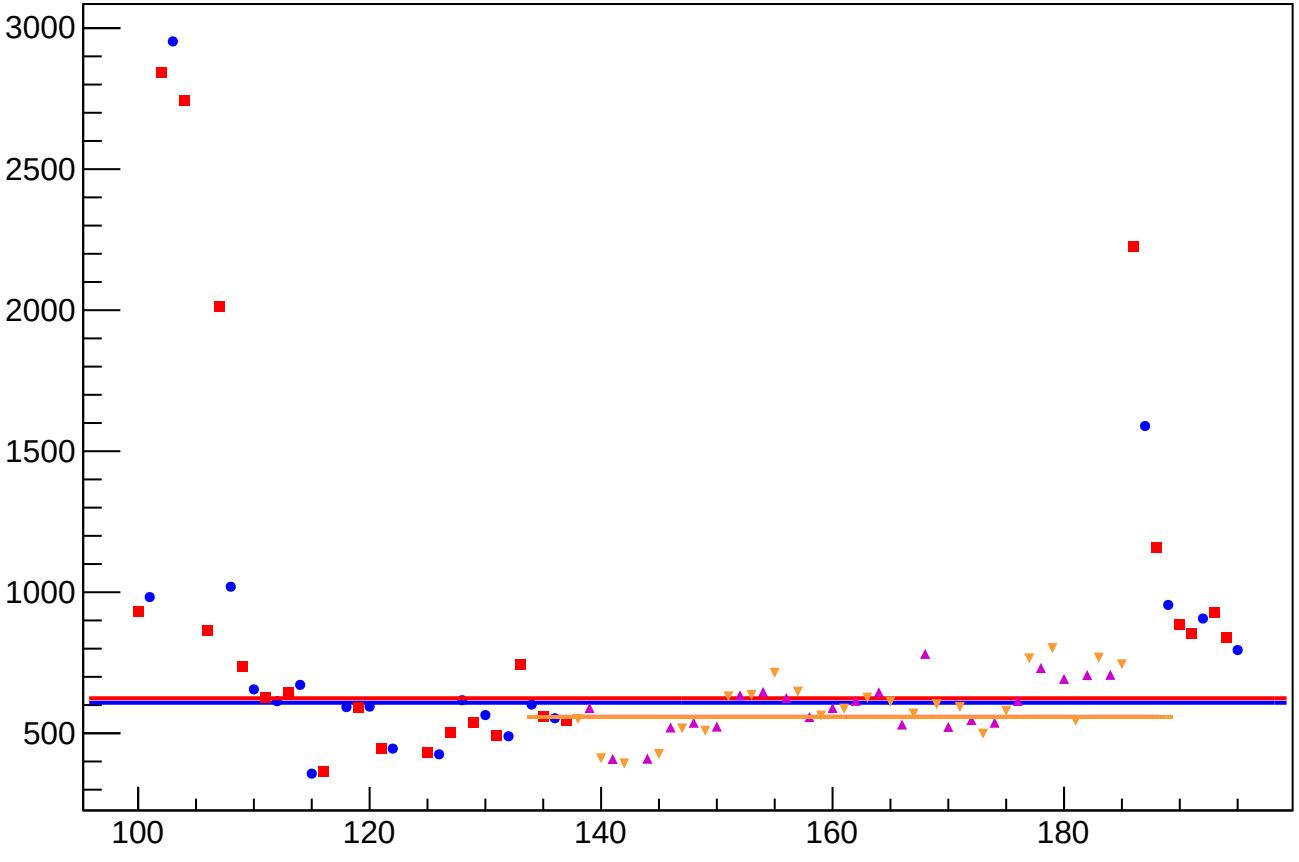
Right: 51.049+/-146.629 χ^2/NDF: 60.6/43

In: -21.571+/-111.629 χ^2/NDF:49.8/42

Out: -275.368+/-111.413 χ^2/NDF:99.3/47

All: -148.715+/-78.857 χ^2/NDF: 151.7/90

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 608.206+/-0.146 χ^2/NDF: 2138269.7/19

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 624.144+/-0.147 χ^2/NDF: 3602892.3/23

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

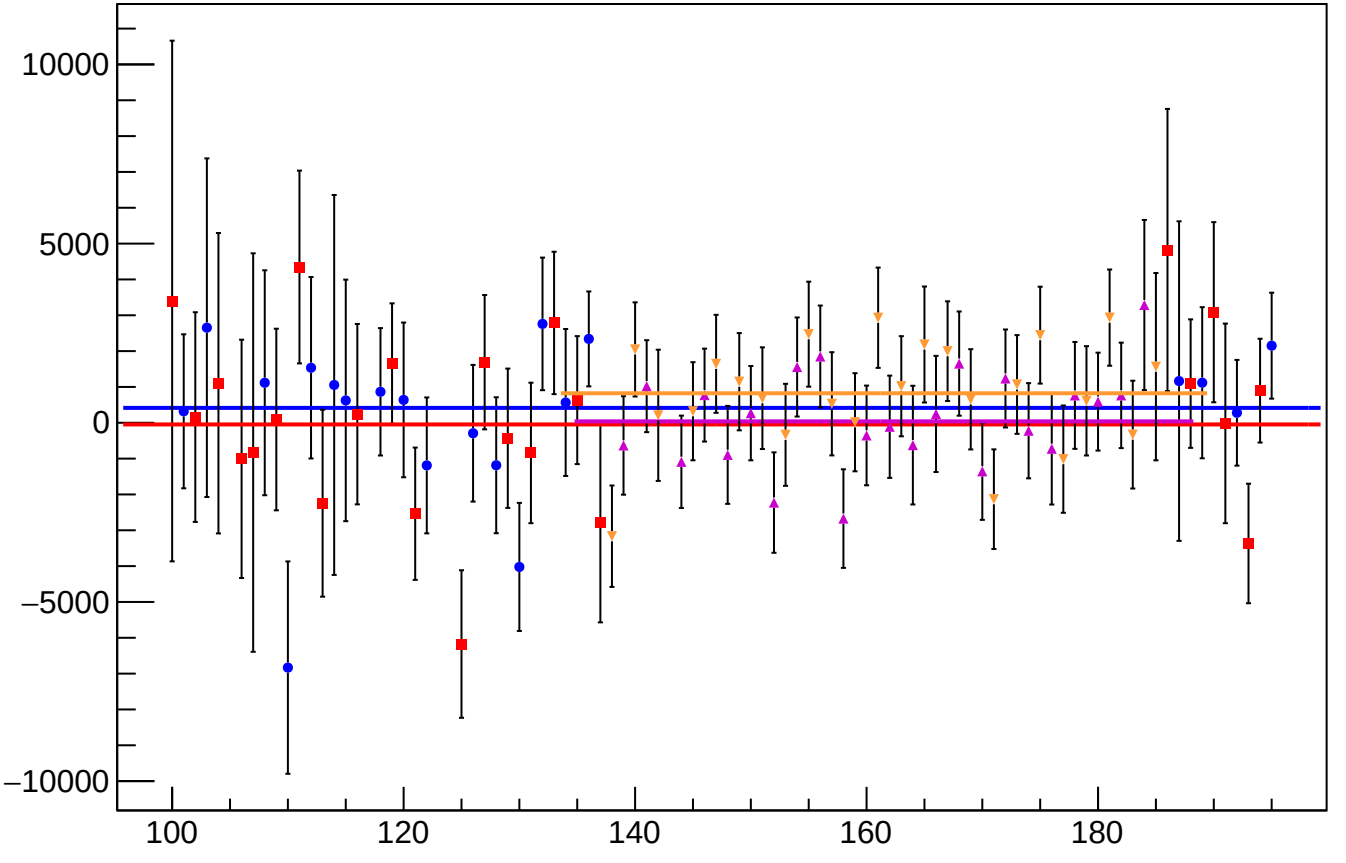
Right: 616.149+/-0.104 χ^2/NDF: 5747069.7/43

In: 572.875+/-0.079 χ^2/NDF:3248225.3/42

Out: 576.740+/-0.079 χ^2/NDF:4942442.7/47

All: 574.811+/-0.056 χ^2/NDF: 8191868.9/90

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 415.773+/-460.077 χ^2/NDF: 19.5/19

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -46.206+/-456.295 χ^2/NDF: 27.6/23

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

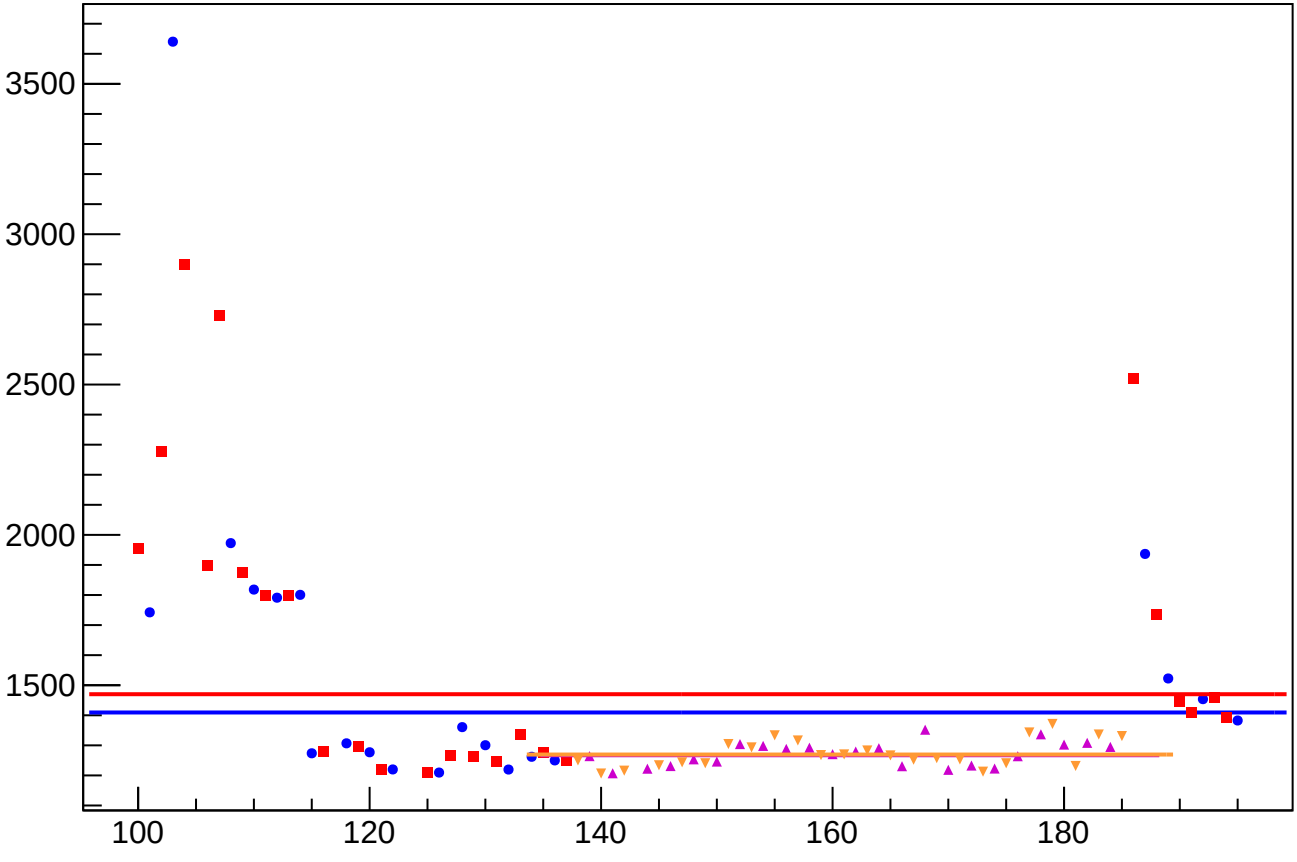
Right: 182.877+/-323.978 χ^2/NDF: 47.6/43

In: 149.795+/-248.934 χ^2/NDF:37.9/42

Out: 567.211+/-247.637 χ^2/NDF:56.4/47

All: 359.593+/-175.563 χ^2/NDF: 95.6/90

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1409.331+/-0.325 χ^2/NDF: 817477.5/19

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1470.113+/-0.323 χ^2/NDF: 1054010.5/23

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

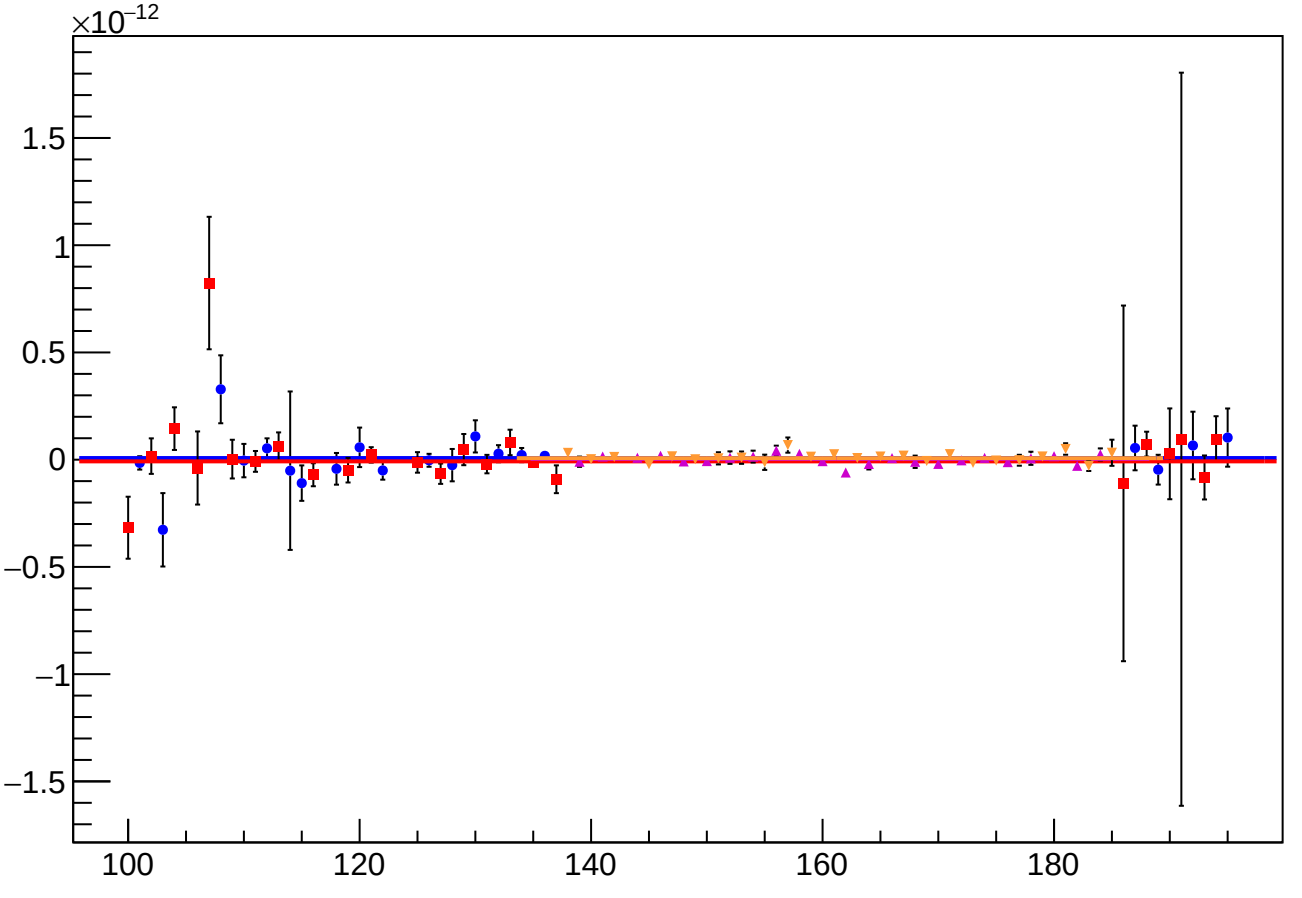
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1439.973+/-0.229 χ^2/NDF: 1889086.1/43

In: 1308.715+/-0.176 χ^2/NDF:987273.6/42

Out: 1328.546+/-0.175 χ^2/NDF:1369942.0/47

All: 1318.682+/-0.124 χ^2/NDF: 2363595.2/90



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/23

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

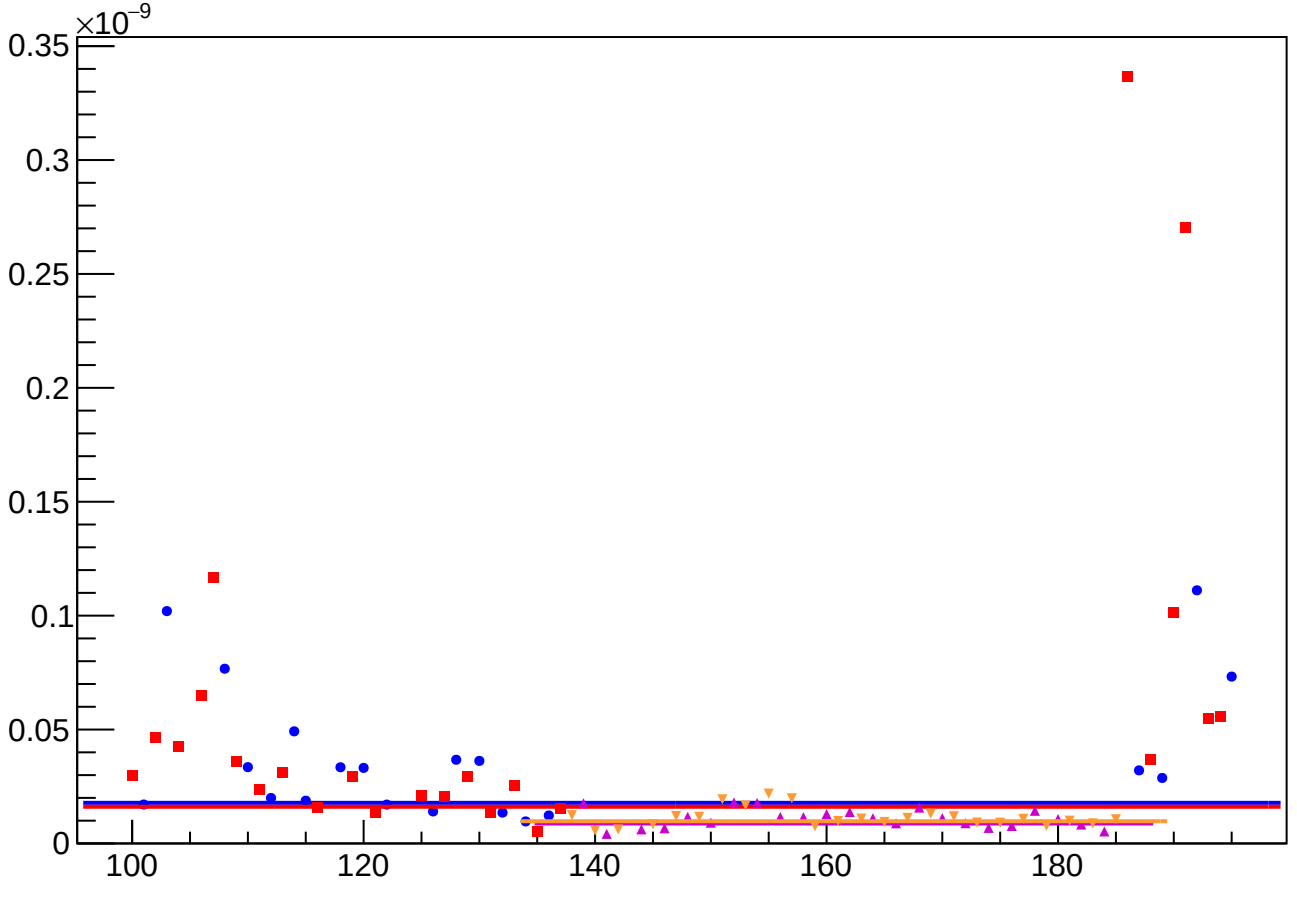
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 47.0/43

In: 0.000+/-0.000 χ^2/NDF:41.5/42

Out: 0.000+/-0.000 χ^2/NDF:49.1/47

All: 0.000+/-0.000 χ^2/NDF: 90.6/90



Right In: 0.000+/-0.000 χ^2/NDF: 2719228.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3798244.9/23

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

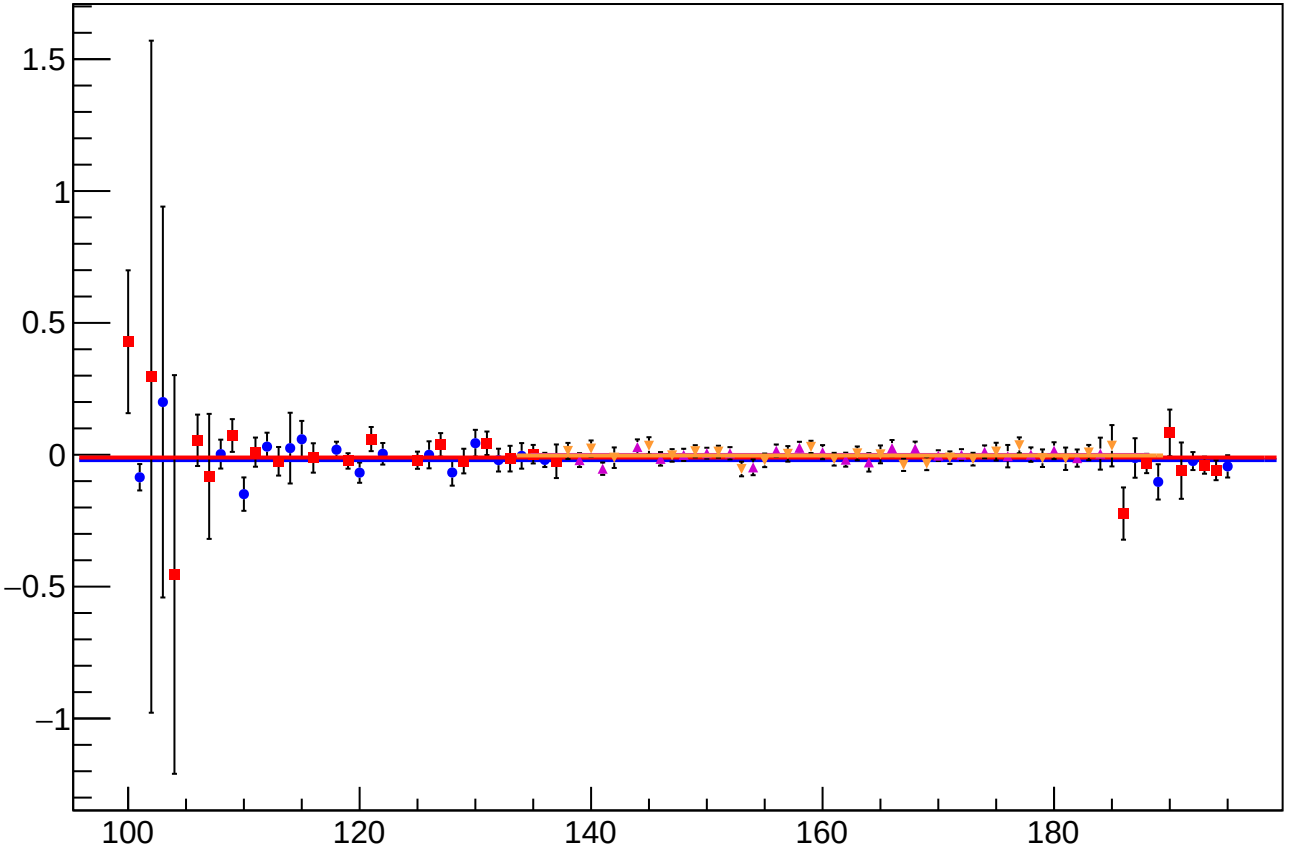
Right: 0.000+/-0.000 χ^2/NDF: 6544682.2/43

In: 0.000+/-0.000 χ^2/NDF:5951838.8/42

Out: 0.000+/-0.000 χ^2/NDF:5832647.7/47

All: 0.000+/-0.000 χ^2/NDF: 11839045.4/90

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.010 χ^2/NDF: 16.6/19

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.010+/-0.010 χ^2/NDF: 19.9/23

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

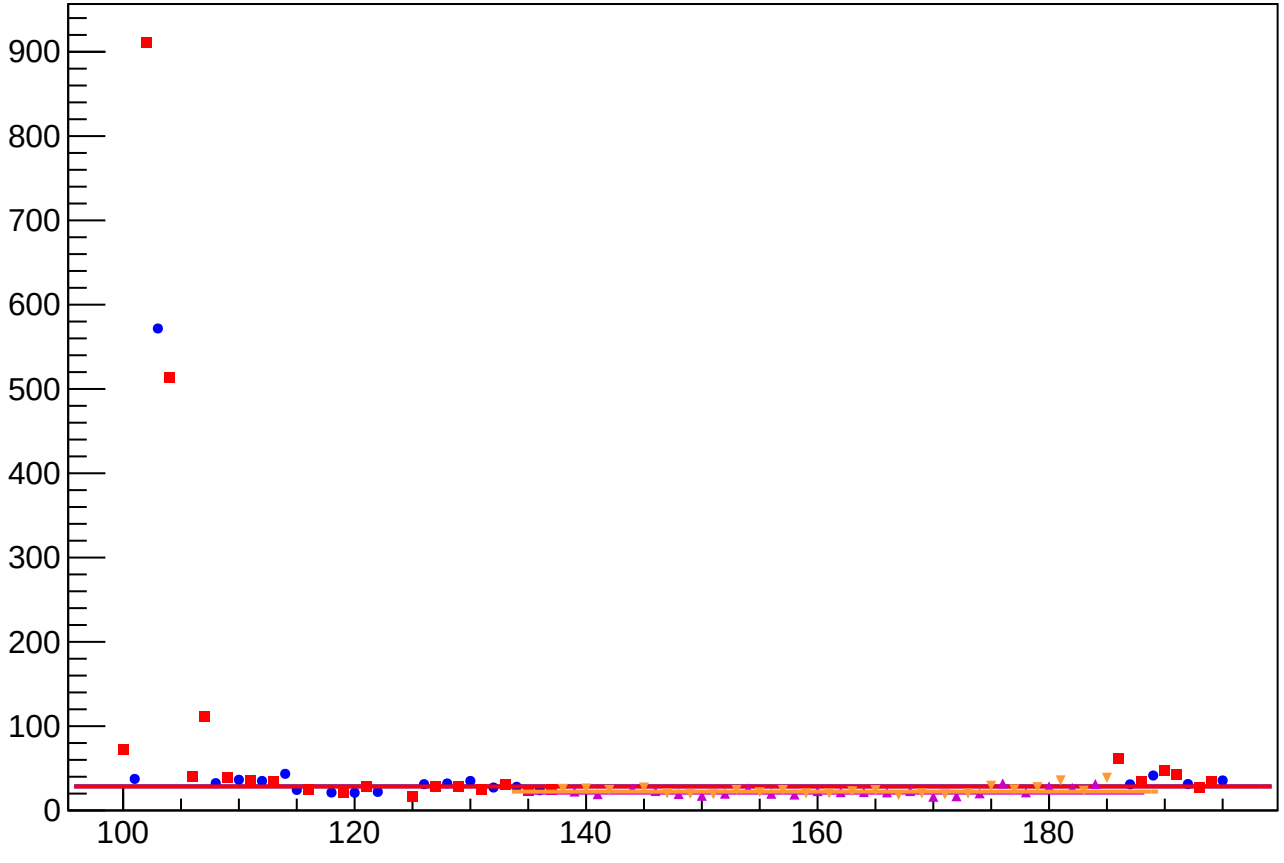
Right: -0.015+/-0.007 χ^2/NDF: 37.0/43

In: -0.005+/-0.005 χ^2/NDF:34.3/42

Out: -0.005+/-0.005 χ^2/NDF:36.7/47

All: -0.005+/-0.003 χ^2/NDF: 71.0/90

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.587+/-0.007 χ^2/NDF: 1737072.4/19

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 28.435+/-0.007 χ^2/NDF: 3129231.1/23

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

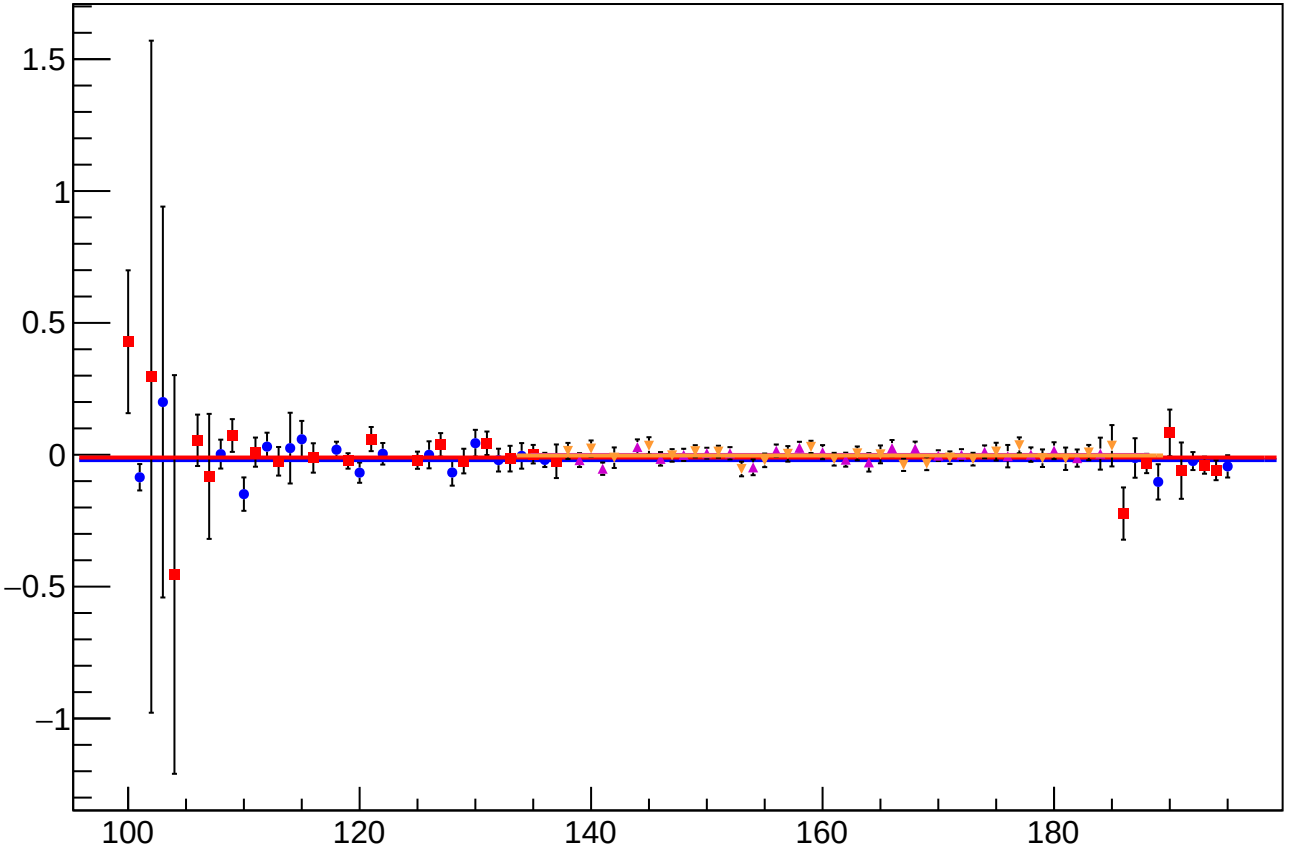
Right: 28.510+/-0.005 χ^2/NDF: 4866522.4/43

In: 22.728+/-0.003 χ^2/NDF:3372887.1/42

Out: 23.800+/-0.004 χ^2/NDF:4488964.9/47

All: 23.250+/-0.002 χ^2/NDF: 7909688.0/90

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.010 χ^2/NDF: 16.6/19

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.010+/-0.010 χ^2/NDF: 19.9/23

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

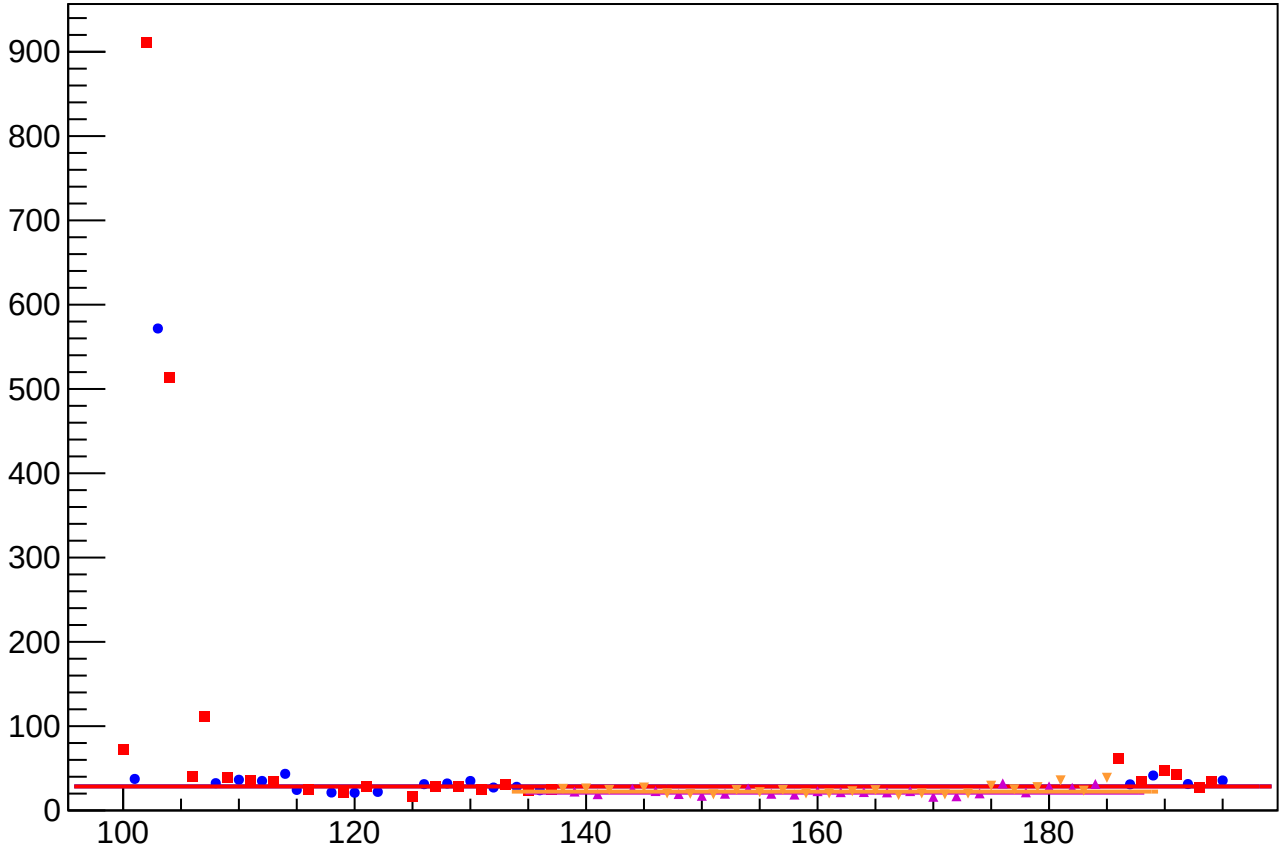
Right: -0.015+/-0.007 χ^2/NDF: 37.0/43

In: -0.005+/-0.005 χ^2/NDF:34.3/42

Out: -0.005+/-0.005 χ^2/NDF:36.7/47

All: -0.005+/-0.003 χ^2/NDF: 71.0/90

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.587+/-0.007 χ^2/NDF: 1737072.4/19

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 28.435+/-0.007 χ^2/NDF: 3129231.1/23

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

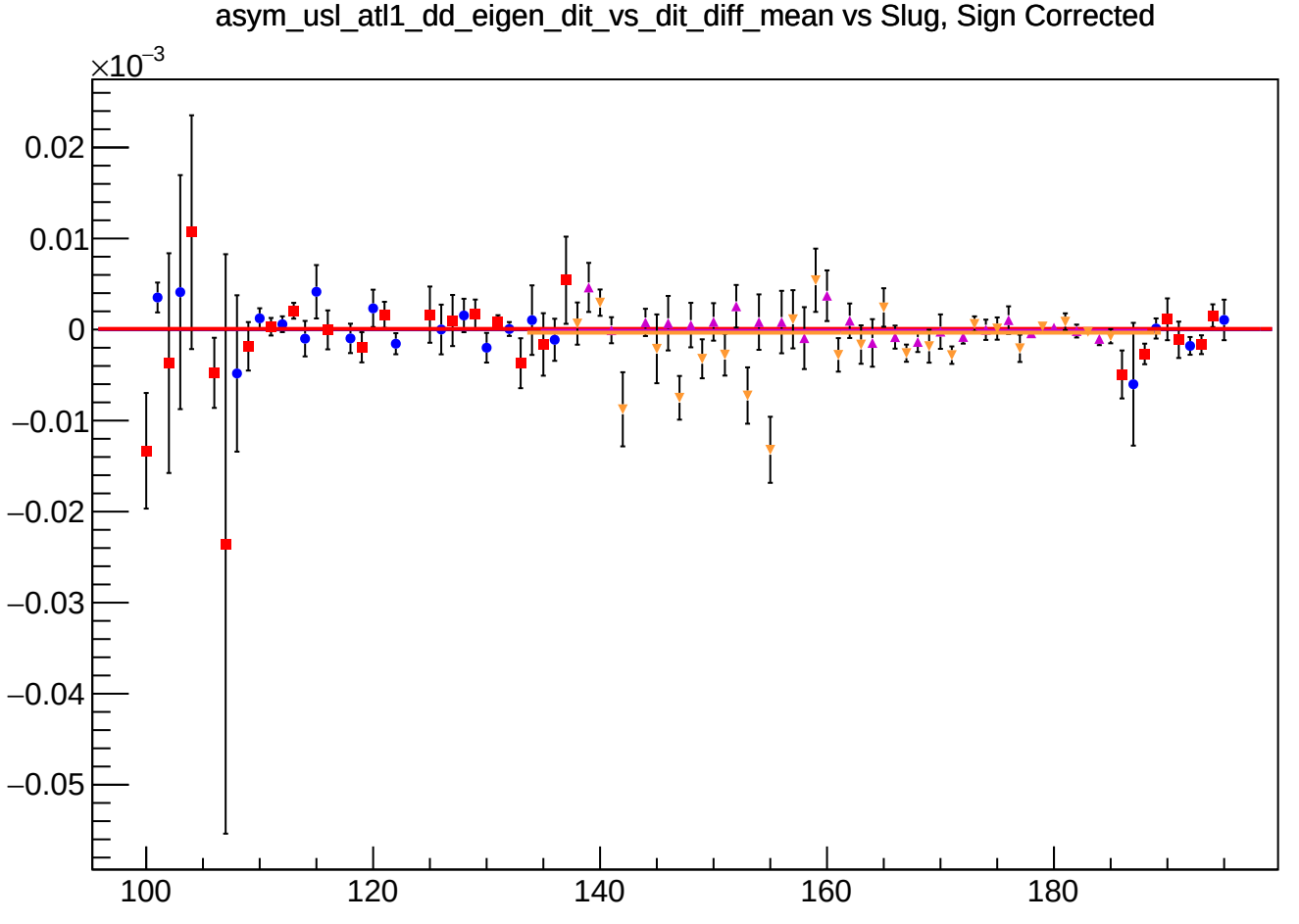
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.510+/-0.005 χ^2/NDF: 4866522.4/43

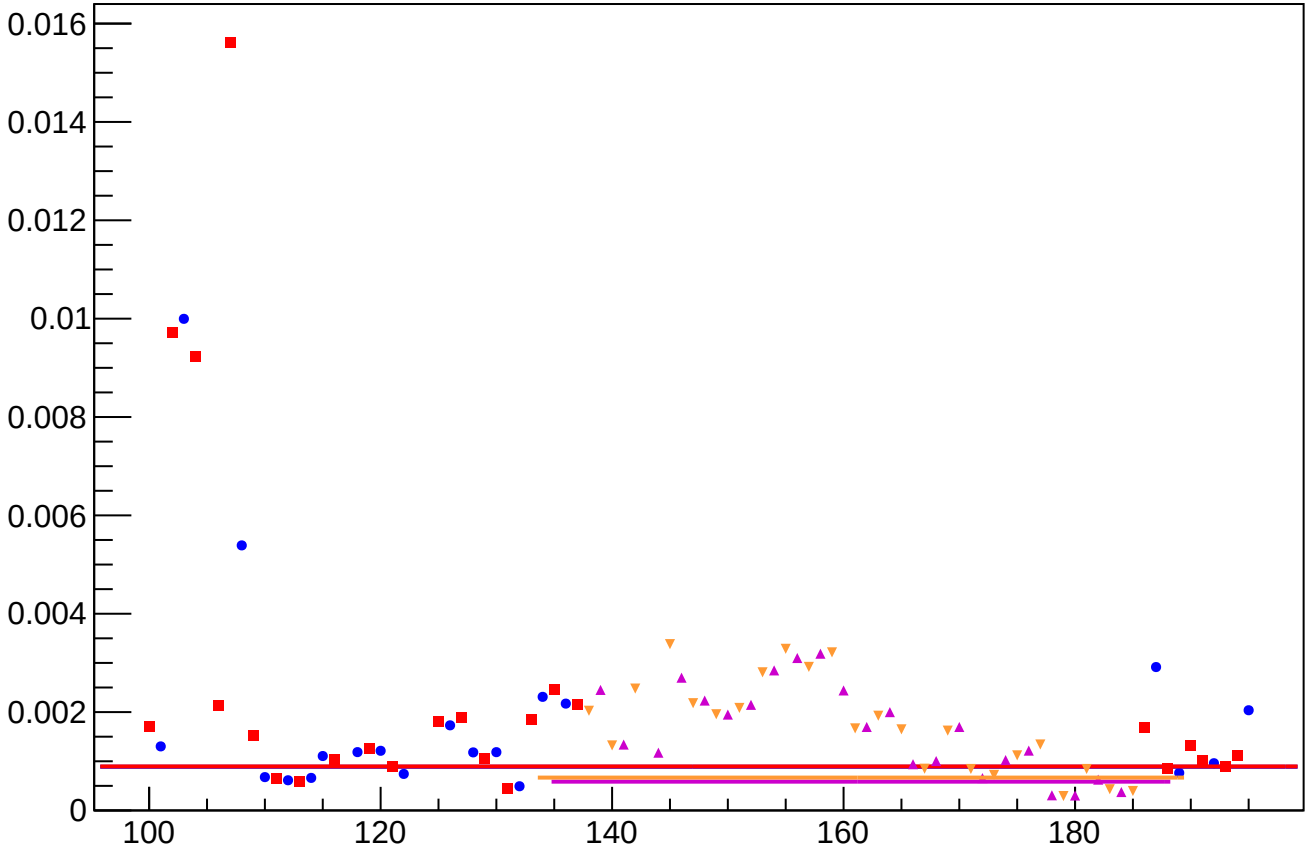
In: 22.728+/-0.003 χ^2/NDF:3372887.1/42

Out: 23.800+/-0.004 χ^2/NDF:4488964.9/47

All: 23.250+/-0.002 χ^2/NDF: 7909688.0/90


asym_usl_atl1_dd_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
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 19.4/19
Left Out: -0.000+/-0.000 χ²/NDF:68.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 35.7/23
Left In: -0.000+/-0.000 χ²/NDF:14.2/22
Left: -0.000+/-0.000 χ²/NDF: 82.8/46
Right: 0.000+/-0.000 χ²/NDF: 55.1/43
In: -0.000+/-0.000 χ²/NDF:33.8/42
Out: -0.000+/-0.000 χ²/NDF:105.0/47
All: -0.000+/-0.000 χ²/NDF: 139.0/90

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4631465.3/19

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5396760.8/23

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

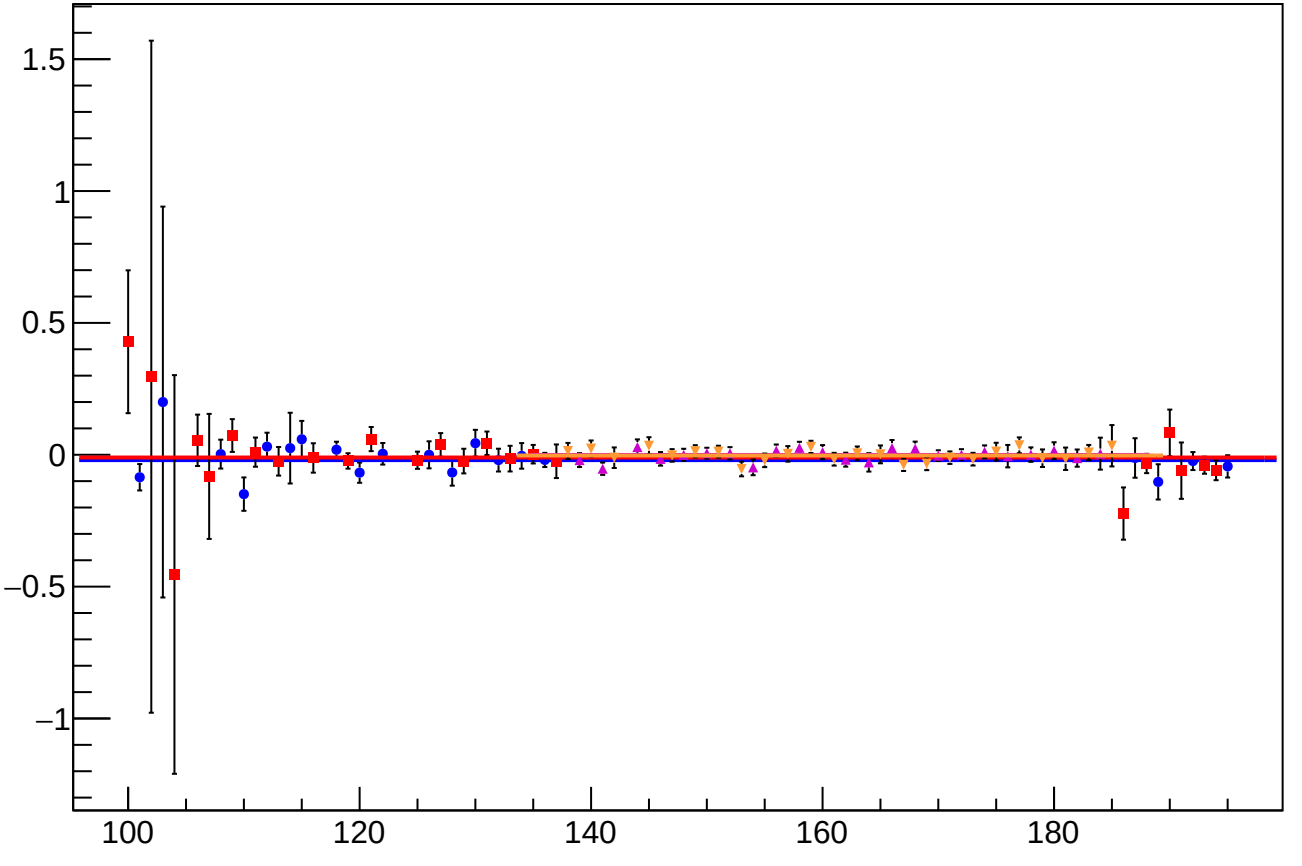
Right: 0.001+/-0.000 χ^2/NDF: 10028569.3/43

In: 0.001+/-0.000 χ^2/NDF:21560908.5/42

Out: 0.001+/-0.000 χ^2/NDF:21453893.1/47

All: 0.001+/-0.000 χ^2/NDF: 43198275.4/90

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.010 χ^2/NDF: 16.6/19

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.010+/-0.010 χ^2/NDF: 19.9/23

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

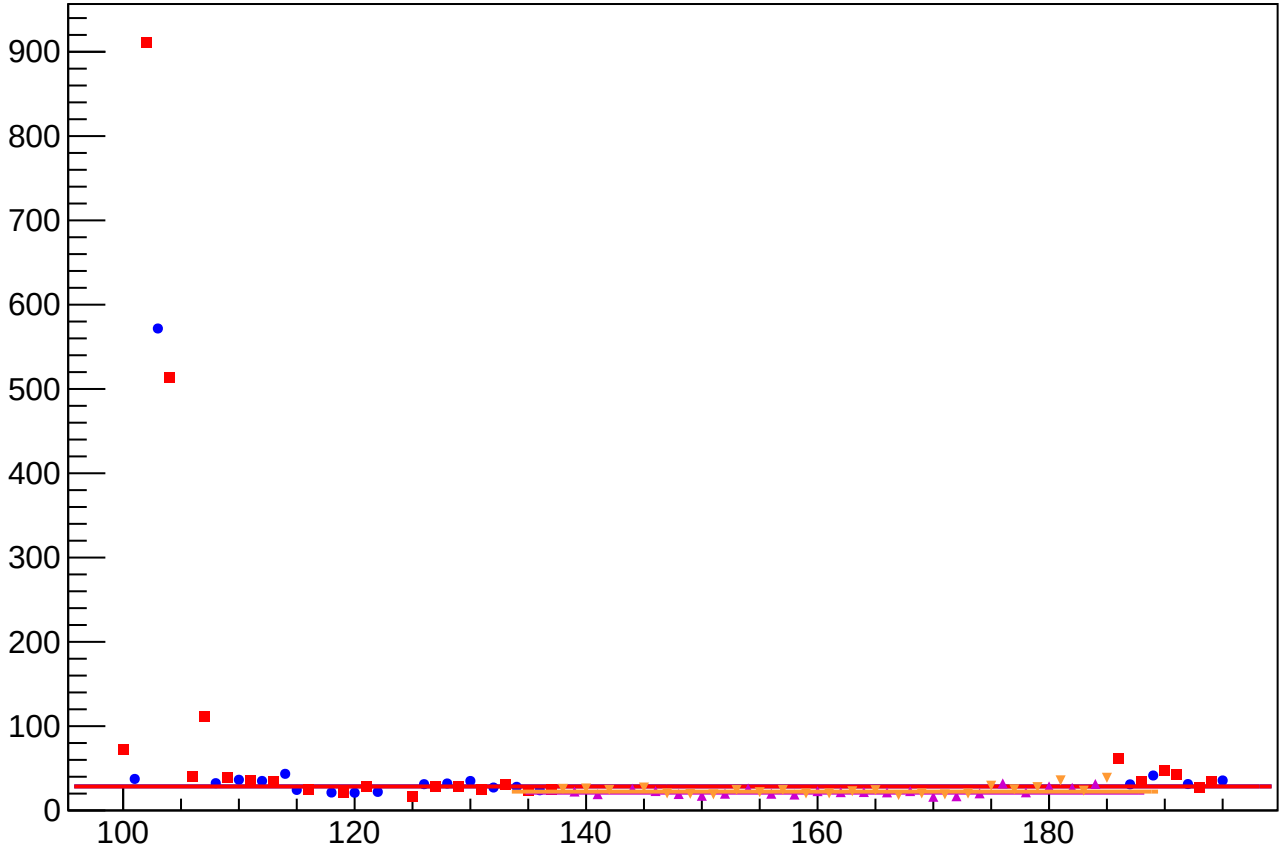
Right: -0.015+/-0.007 χ^2/NDF: 37.0/43

In: -0.005+/-0.005 χ^2/NDF:34.3/42

Out: -0.005+/-0.005 χ^2/NDF:36.7/47

All: -0.005+/-0.003 χ^2/NDF: 71.0/90

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.587+/-0.007 χ^2/NDF: 1737077.4/19

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 28.435+/-0.007 χ^2/NDF: 3129237.4/23

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

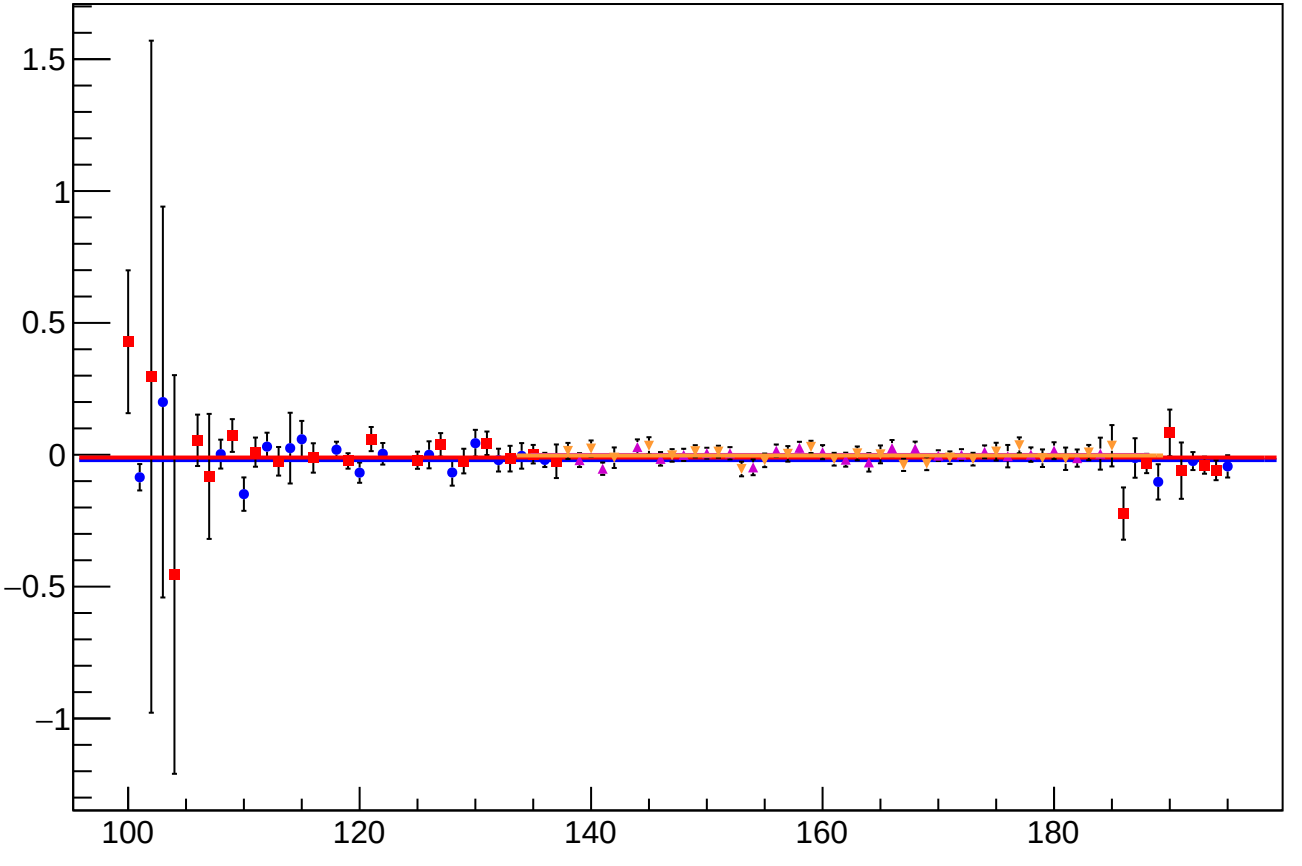
Right: 28.510+/-0.005 χ^2/NDF: 4866533.9/43

In: 22.728+/-0.003 χ^2/NDF:3372910.6/42

Out: 23.800+/-0.004 χ^2/NDF:4488944.2/47

All: 23.250+/-0.002 χ^2/NDF: 7909688.5/90

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.010 χ^2/NDF: 16.6/19

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.010+/-0.010 χ^2/NDF: 19.9/23

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

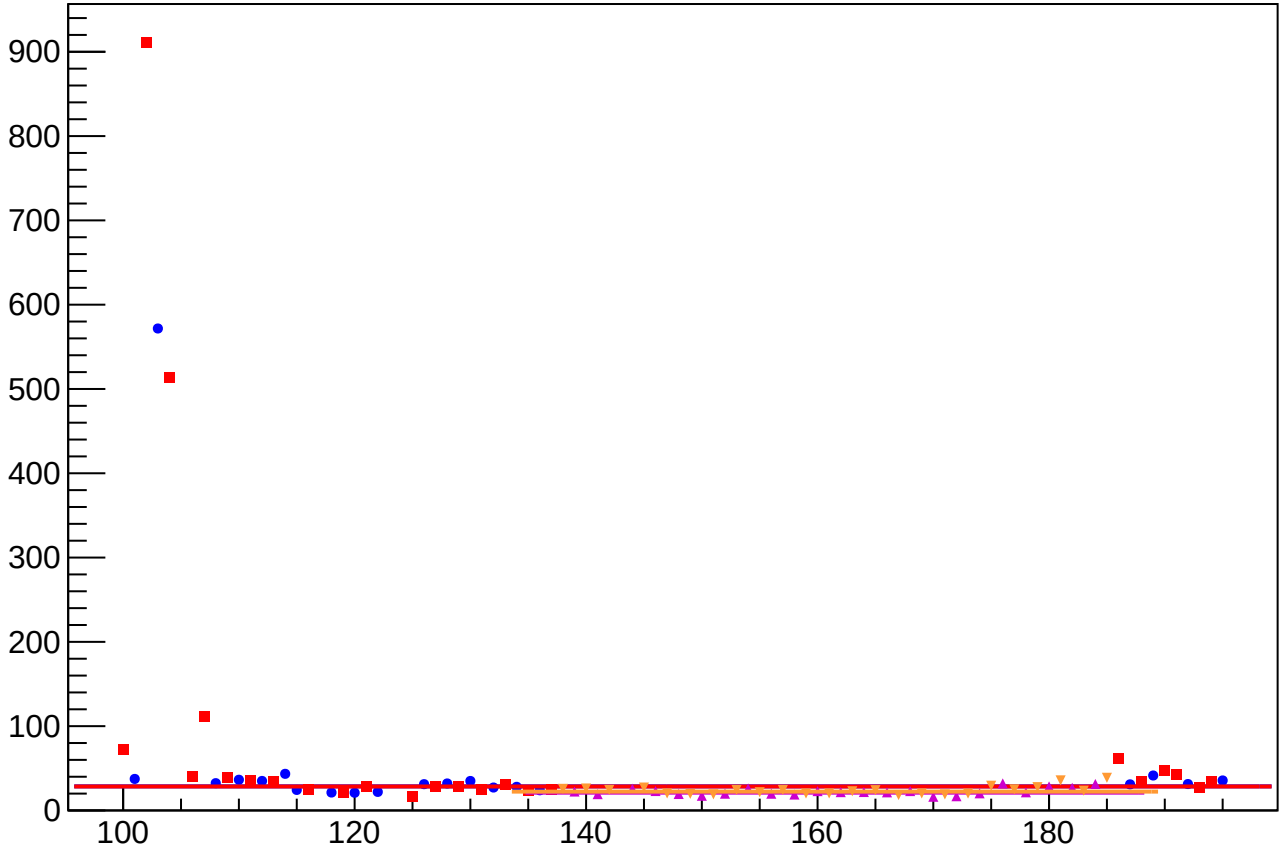
Right: -0.015+/-0.007 χ^2/NDF: 37.0/43

In: -0.005+/-0.005 χ^2/NDF:34.3/42

Out: -0.005+/-0.005 χ^2/NDF:36.7/47

All: -0.005+/-0.003 χ^2/NDF: 71.0/90

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.587+/-0.007 χ^2/NDF: 1737077.4/19

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 28.435+/-0.007 χ^2/NDF: 3129237.4/23

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

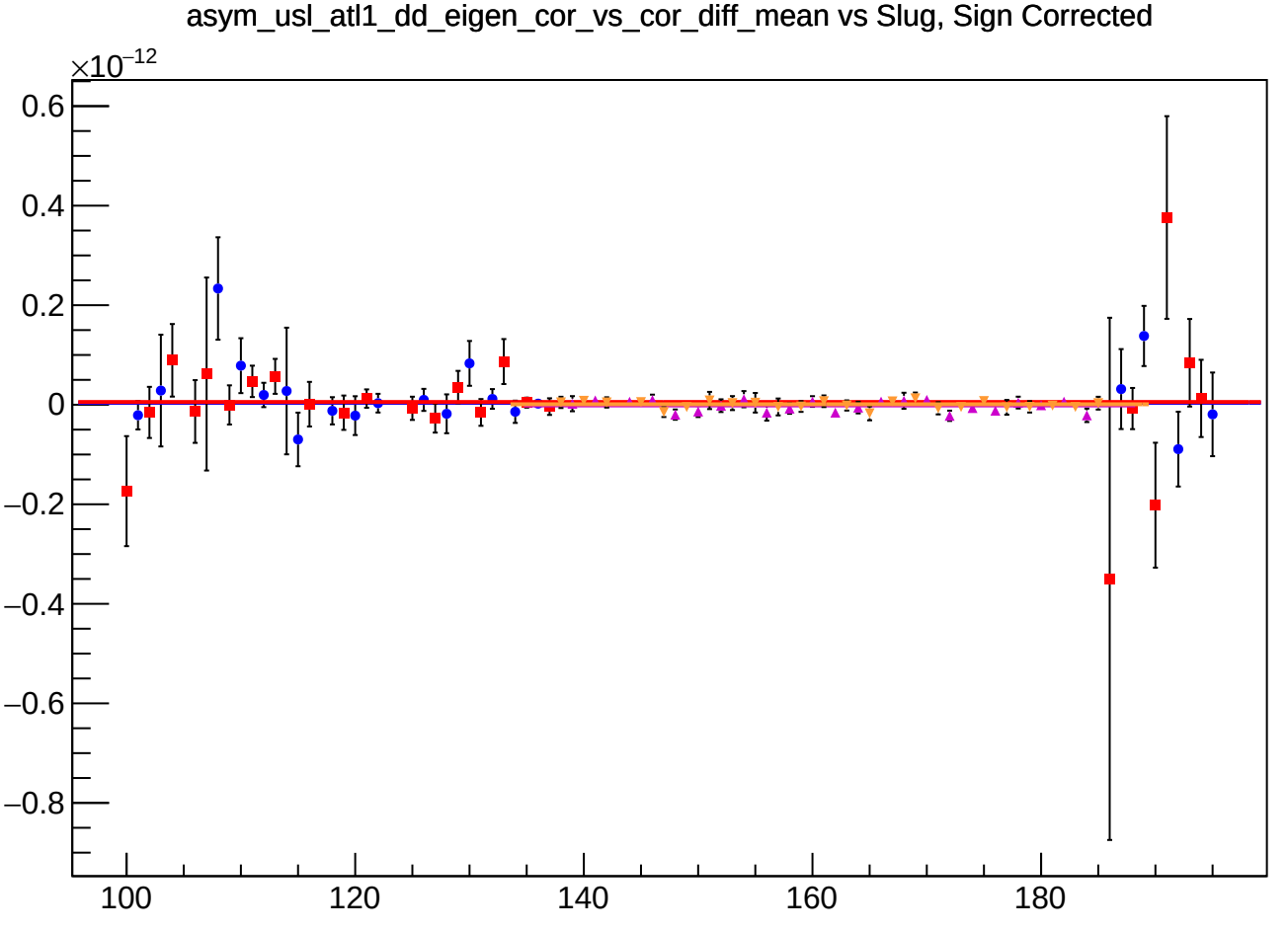
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.510+/-0.005 χ^2/NDF: 4866533.9/43

In: 22.728+/-0.003 χ^2/NDF:3372910.6/42

Out: 23.800+/-0.004 χ^2/NDF:4488944.2/47

All: 23.250+/-0.002 χ^2/NDF: 7909688.5/90



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/23

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

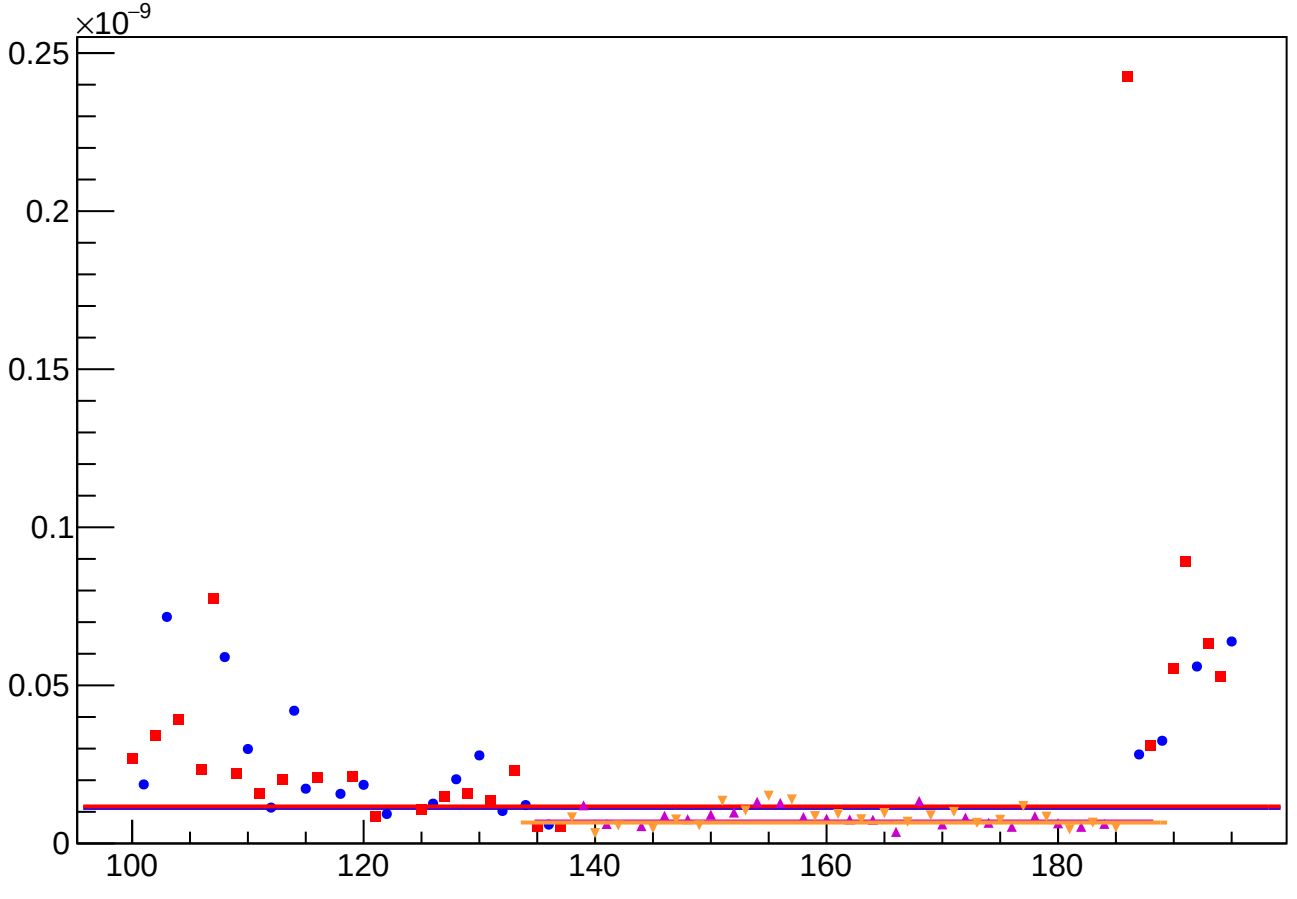
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 44.4/43

In: -0.000+/-0.000 χ^2/NDF:48.2/42

Out: 0.000+/-0.000 χ^2/NDF:34.8/47

All: 0.000+/-0.000 χ^2/NDF: 83.6/90



Right In: 0.000+/-0.000 χ^2/NDF: 4659803.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5443181.3/23

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

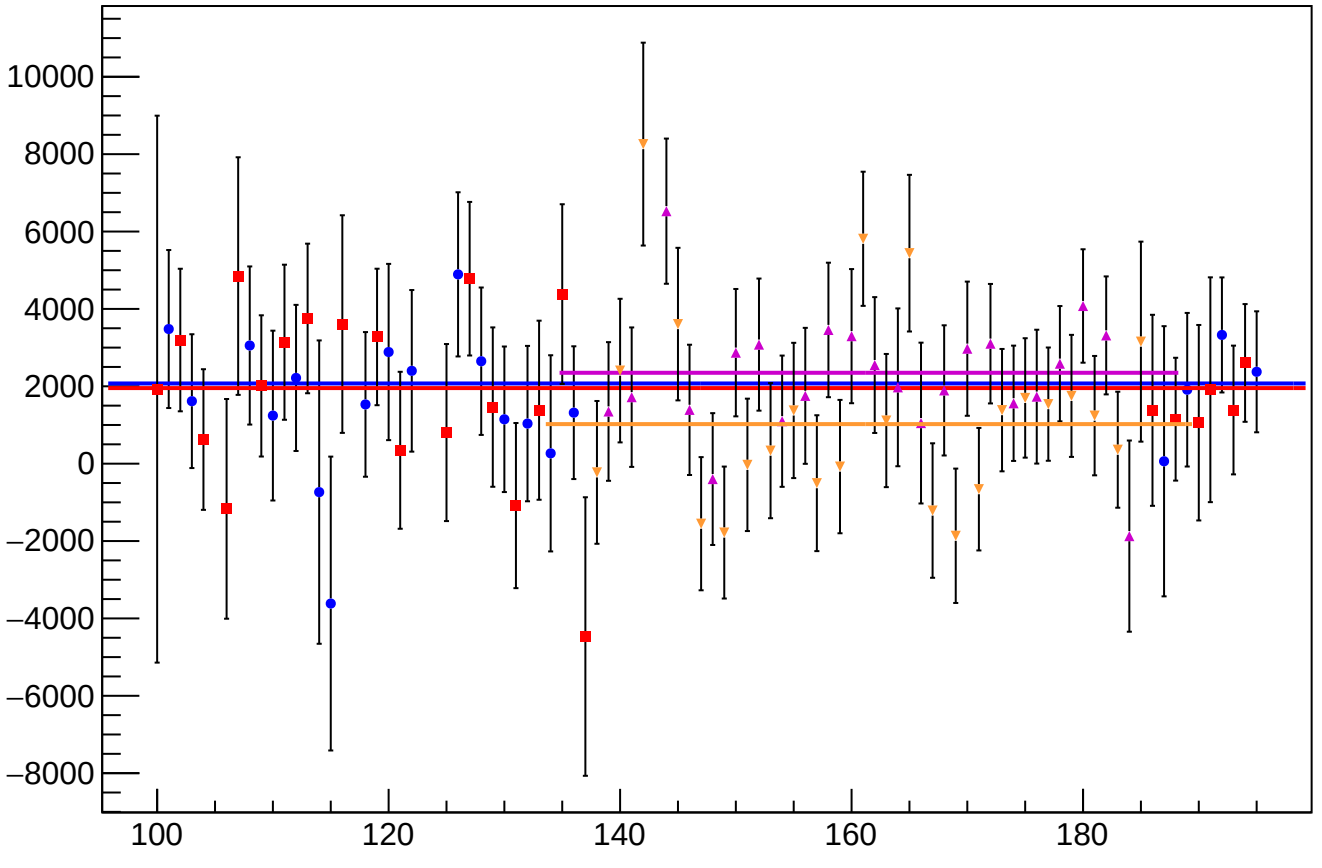
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 10108846.5/43

In: 0.000+/-0.000 χ^2/NDF:7998105.7/42

Out: 0.000+/-0.000 χ^2/NDF:10202725.2/47

All: 0.000+/-0.000 χ^2/NDF: 18228388.4/90



Right In: 2073.118+/-453.396 χ^2/NDF: 8.1/19

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 1953.713+/-433.016 χ^2/NDF: 15.3/23

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

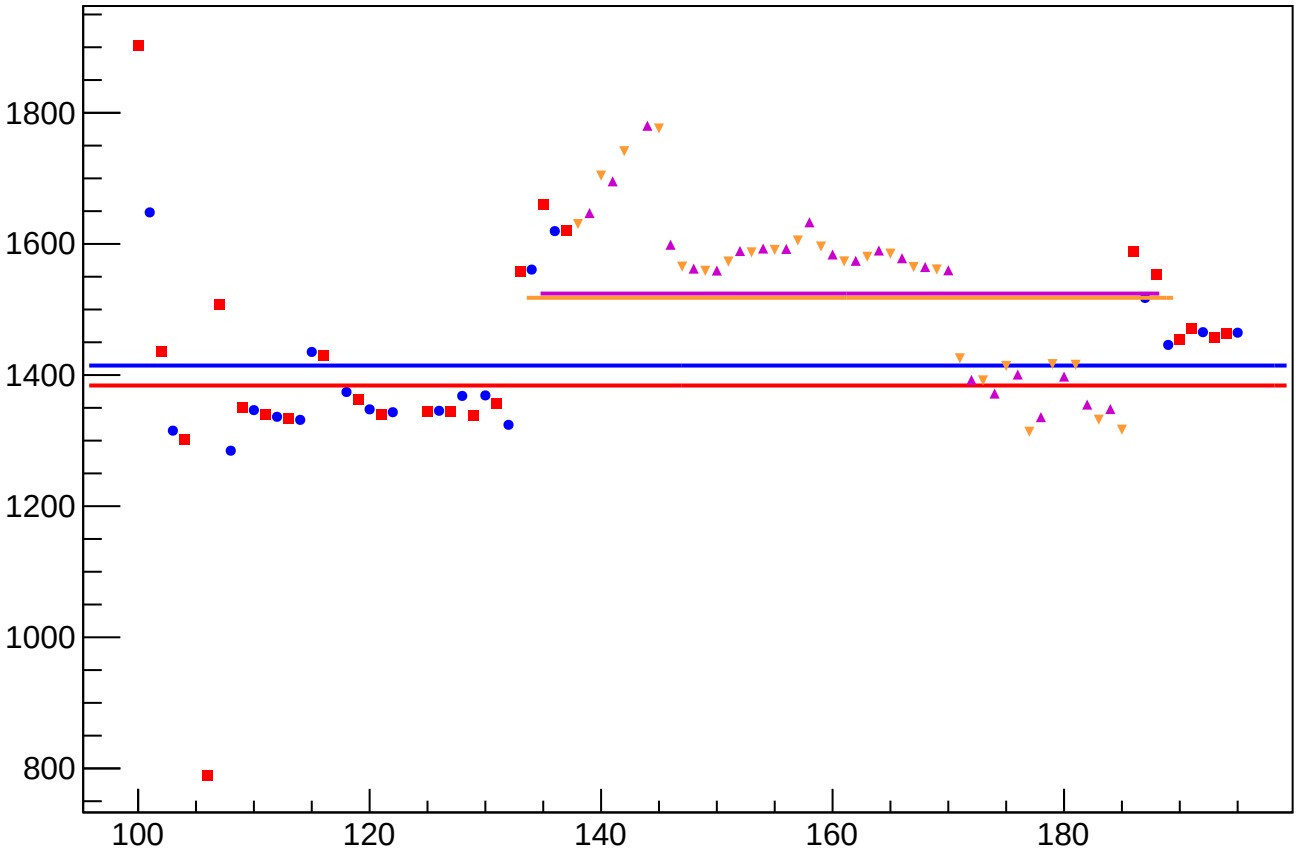
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2010.672+/-313.146 χ^2/NDF: 23.4/43

In: 2243.509+/-280.520 χ^2/NDF:24.3/42

Out: 1394.924+/-273.818 χ^2/NDF:54.5/47

All: 1808.959+/-195.945 χ^2/NDF: 83.5/90



Right In: 1414.514+/-0.321 χ^2/NDF: 102532.2/19

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1384.080+/-0.299 χ^2/NDF: 383600.1/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

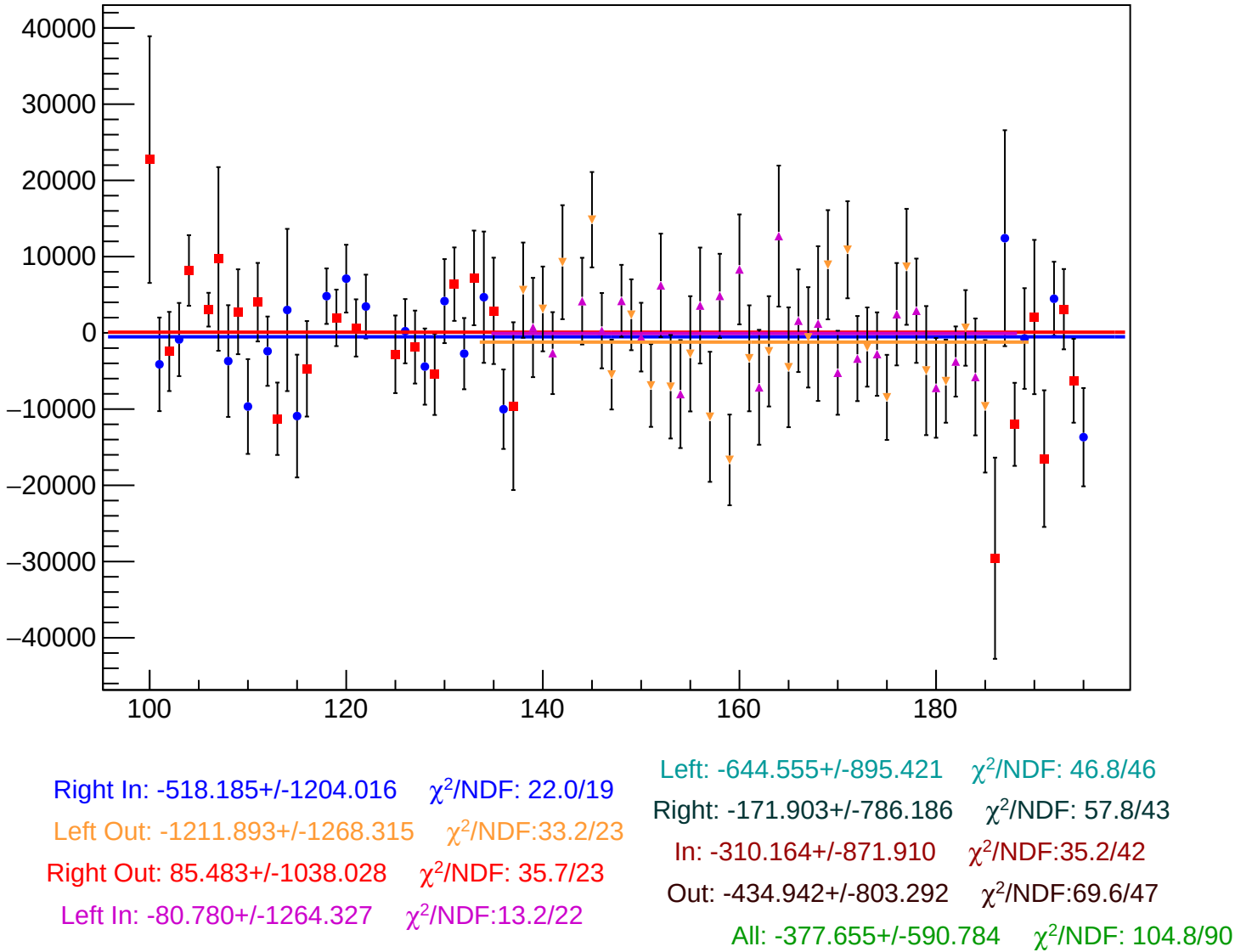
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

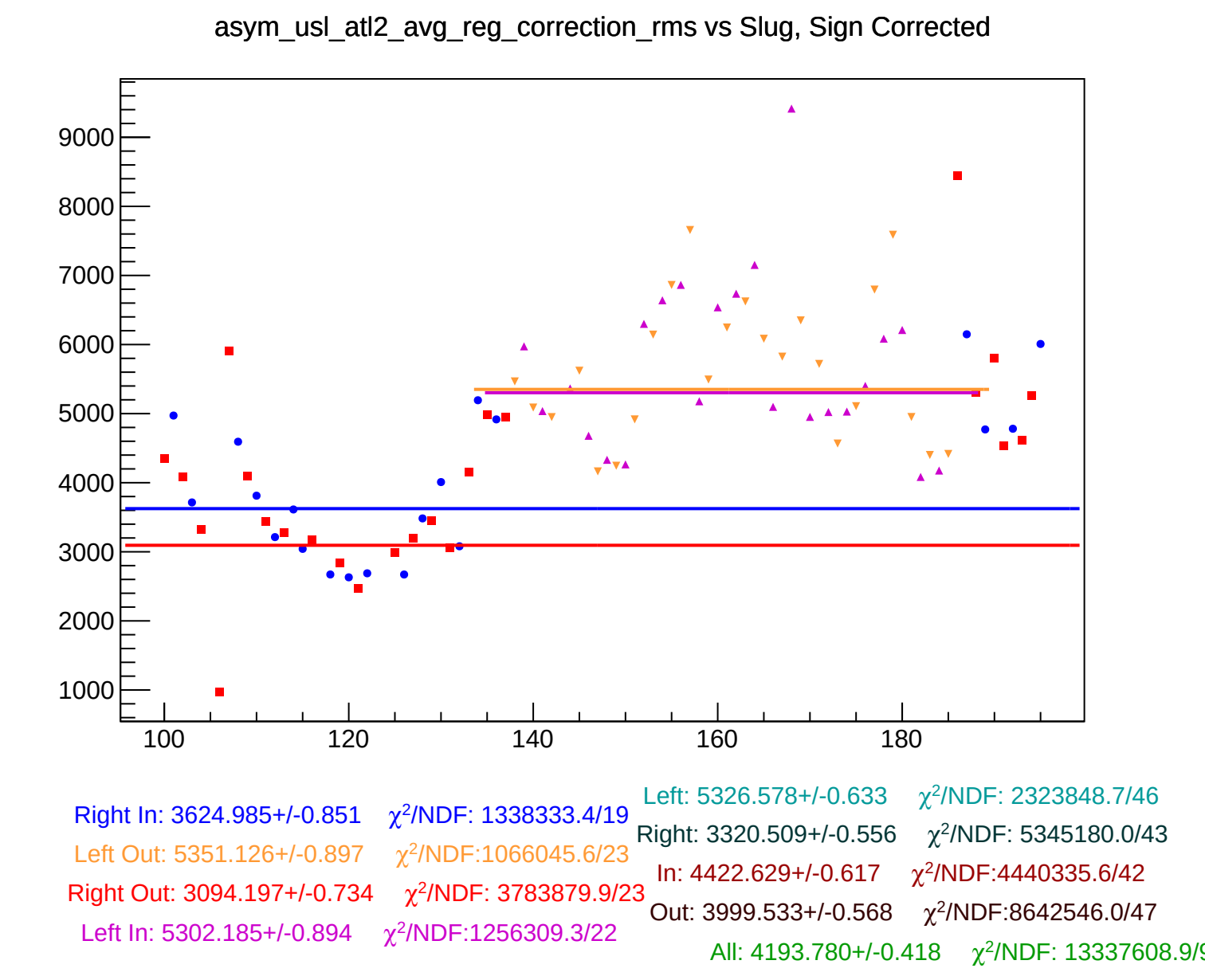
Right: 1398.260+/-0.219 χ^2/NDF: 490945.2/43

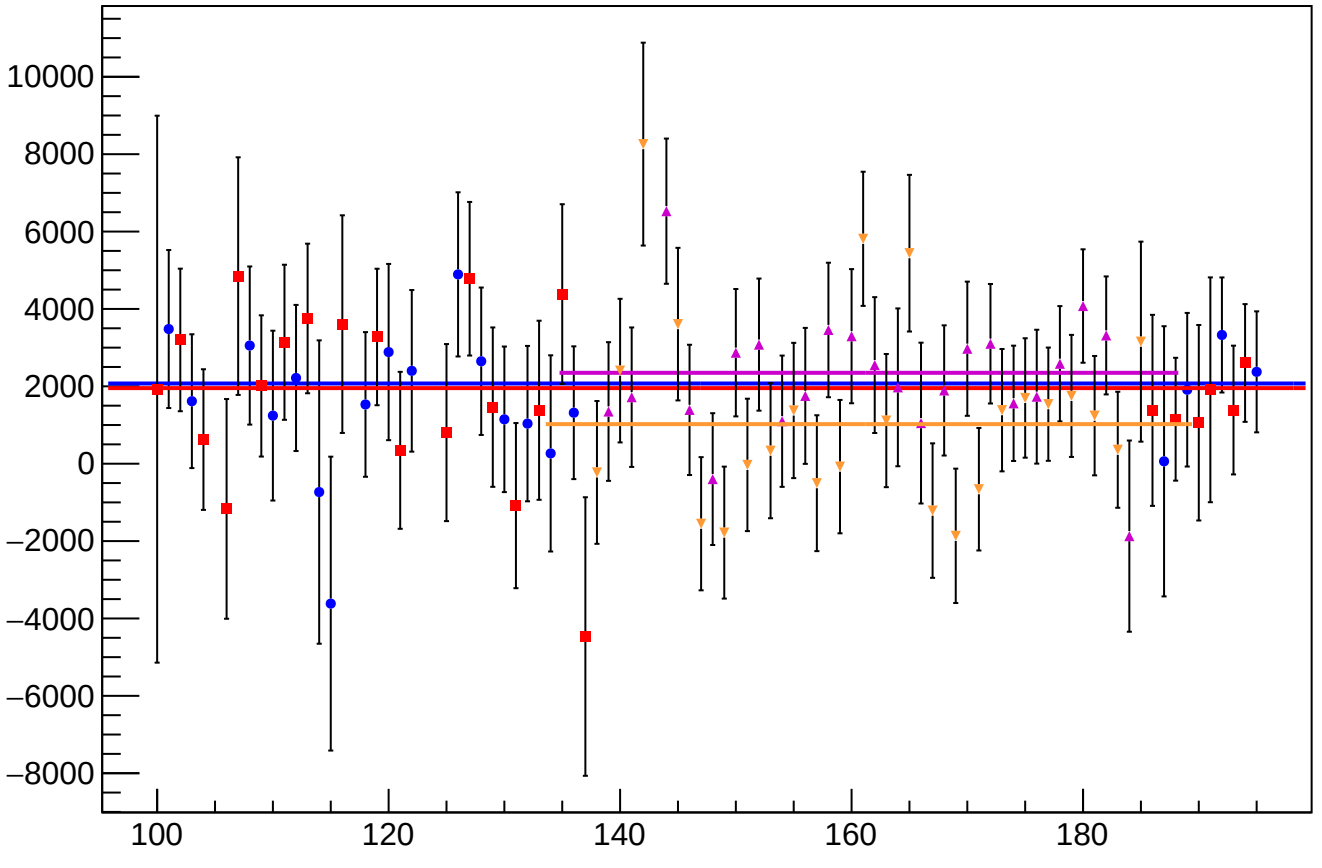
In: 1482.283+/-0.198 χ^2/NDF:399247.7/42

Out: 1462.902+/-0.192 χ^2/NDF:735122.2/47

All: 1472.271+/-0.138 χ^2/NDF: 1139301.4/90


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -518.185+/-1204.016 χ²/NDF: 22.0/19
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: 85.483+/-1038.028 χ²/NDF: 35.7/23
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: -171.903+/-786.186 χ²/NDF: 57.8/43
In: -310.164+/-871.910 χ²/NDF:35.2/42
Out: -434.942+/-803.292 χ²/NDF:69.6/47
All: -377.655+/-590.784 χ²/NDF: 104.8/90


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
Right In: 3624.985+/-0.851 χ²/NDF: 1338333.4/19
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3094.197+/-0.734 χ²/NDF: 3783879.9/23
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3320.509+/-0.556 χ²/NDF: 5345180.0/43
In: 4422.629+/-0.617 χ²/NDF:4440335.6/42
Out: 3999.533+/-0.568 χ²/NDF:8642546.0/47
All: 4193.780+/-0.418 χ²/NDF: 13337608.9/9



Right In: 2073.156+/-453.396 χ^2/NDF: 8.1/19

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1953.831+/-433.018 χ^2/NDF: 15.3/23

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

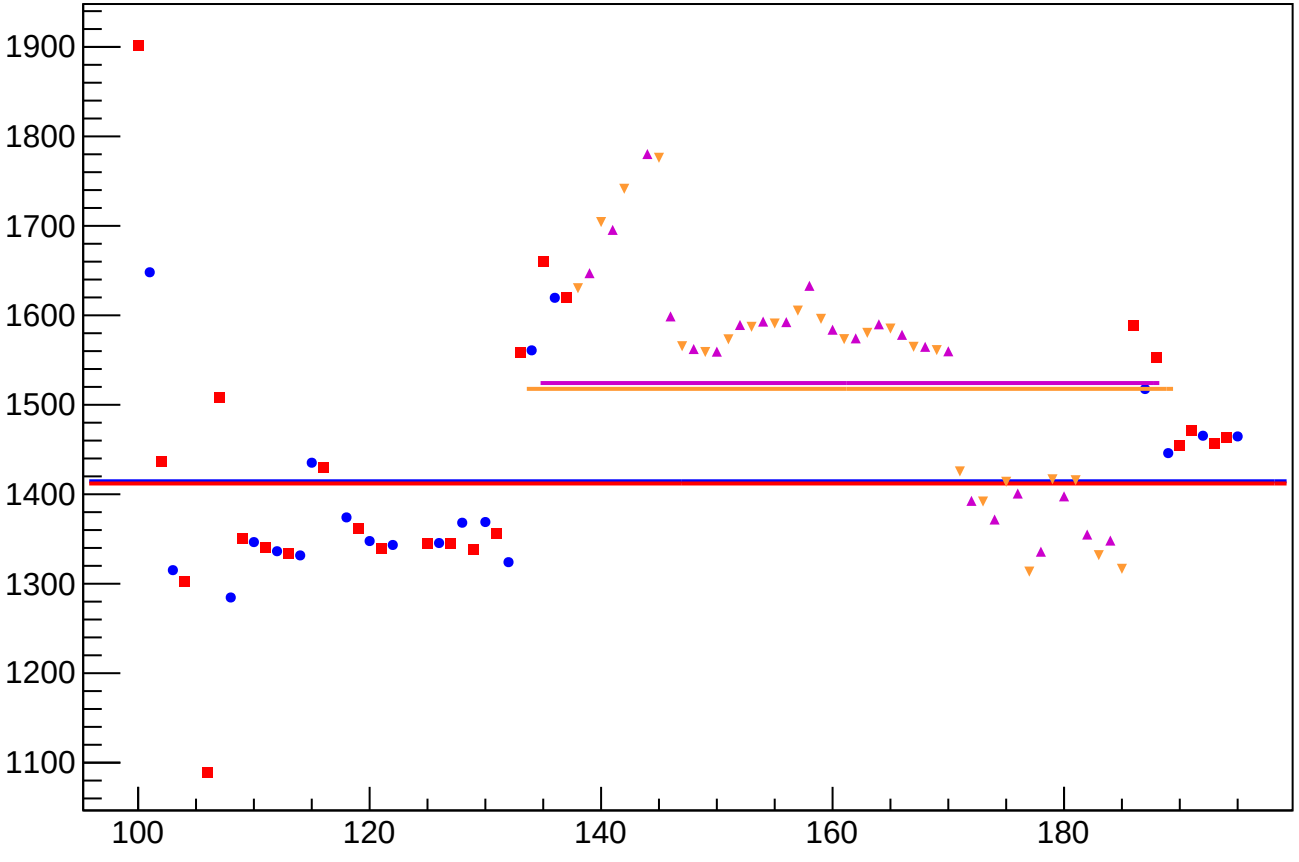
Right: 2010.752+/-313.147 χ^2/NDF: 23.4/43

In: 2243.522+/-280.520 χ^2/NDF:24.3/42

Out: 1394.987+/-273.819 χ^2/NDF:54.5/47

All: 1808.998+/-195.945 χ^2/NDF: 83.5/90

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1414.514+/-0.321 χ^2/NDF: 102532.2/19

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1412.043+/-0.303 χ^2/NDF: 154971.9/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

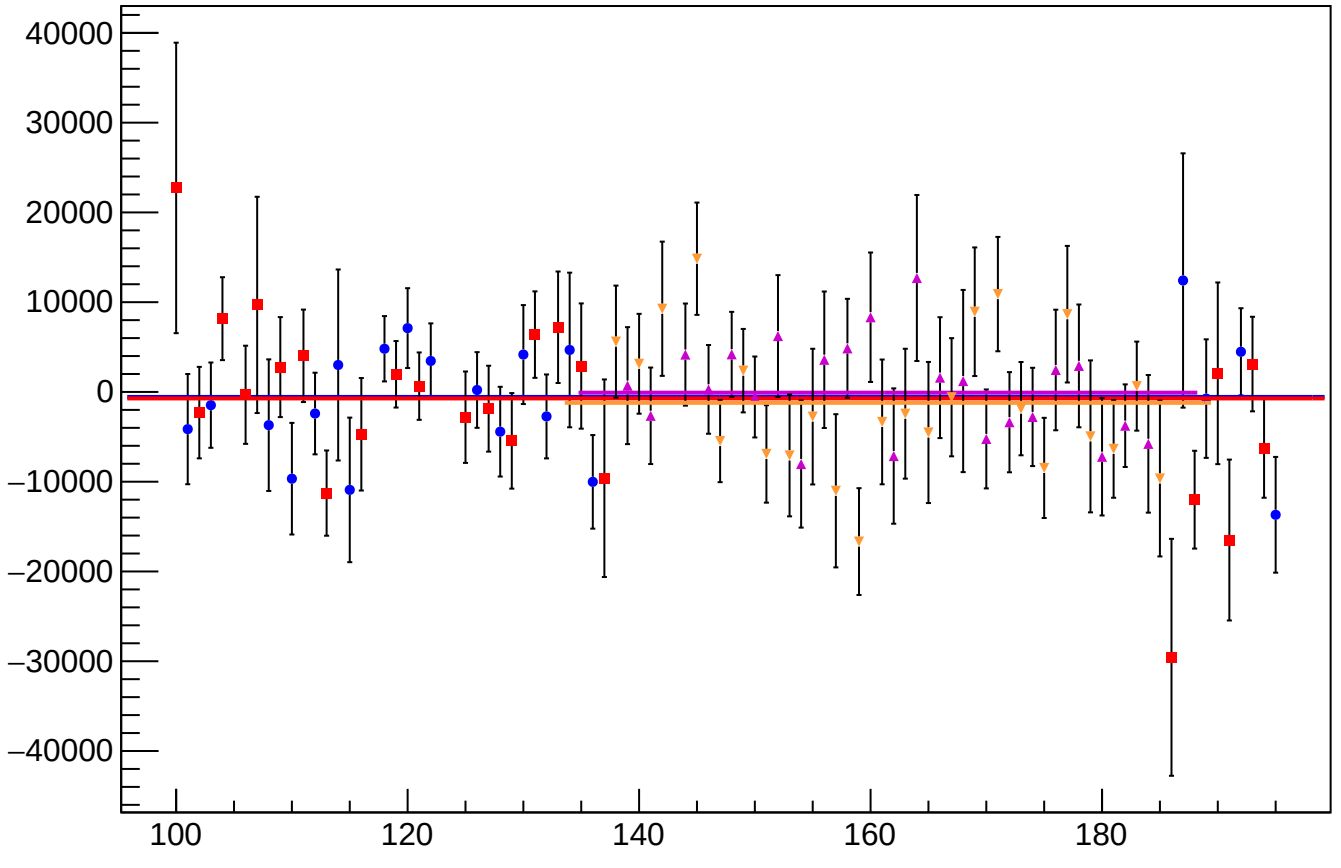
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1413.210+/-0.220 χ^2/NDF: 257535.5/43

In: 1482.283+/-0.198 χ^2/NDF:399247.9/42

Out: 1475.046+/-0.193 χ^2/NDF:461348.8/47

All: 1478.563+/-0.138 χ^2/NDF: 861280.6/90



Right In: -557.294+/-1203.225 χ^2/NDF: 22.0/19

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -721.367+/-1147.615 χ^2/NDF: 33.4/23

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

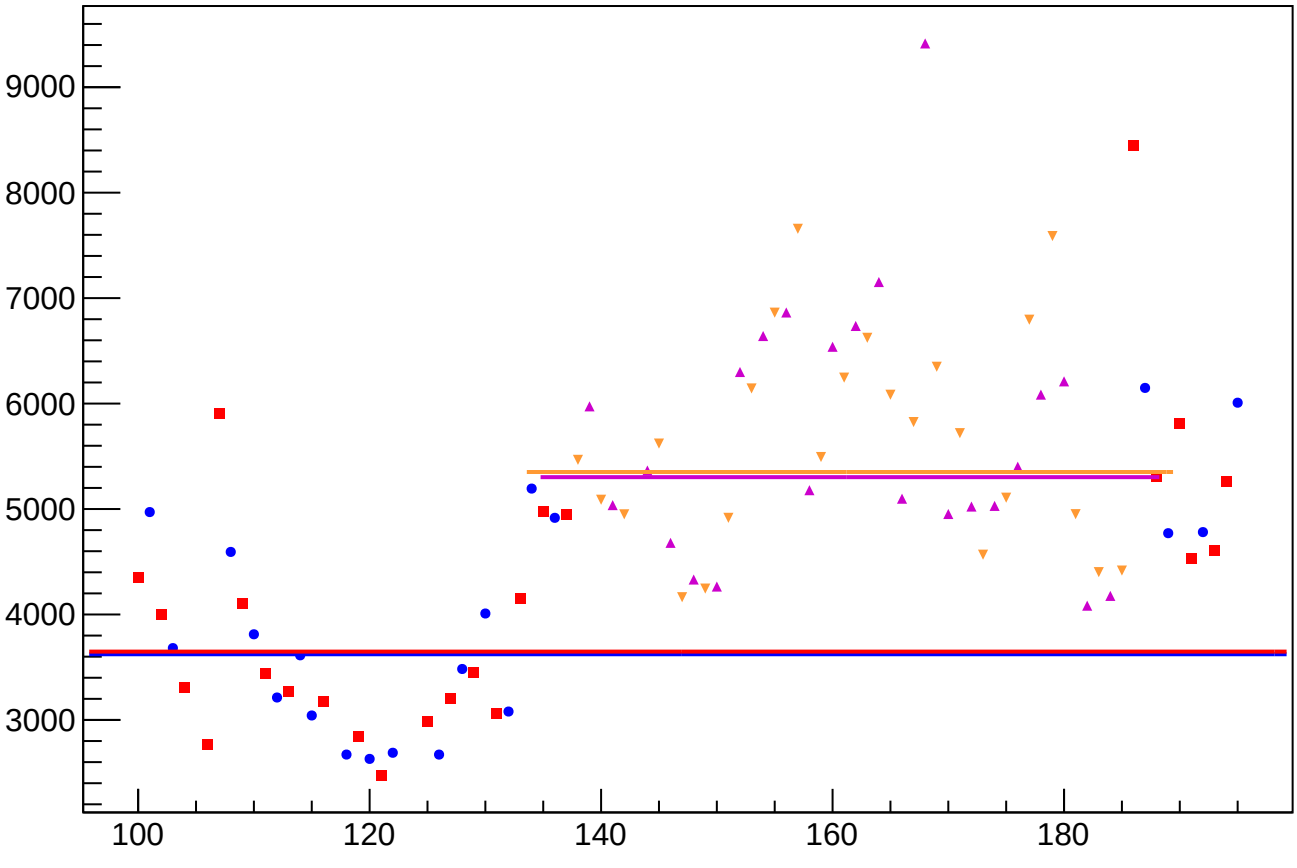
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -643.209+/-830.450 χ^2/NDF: 55.4/43

In: -330.785+/-871.609 χ^2/NDF:35.3/42

Out: -942.182+/-850.967 χ^2/NDF:66.8/47

All: -643.809+/-608.891 χ^2/NDF: 102.3/90



Right In: 3622.932+/-0.851 χ^2/NDF: 1337801.5/19

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3647.969+/-0.811 χ^2/NDF: 1473366.7/23

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

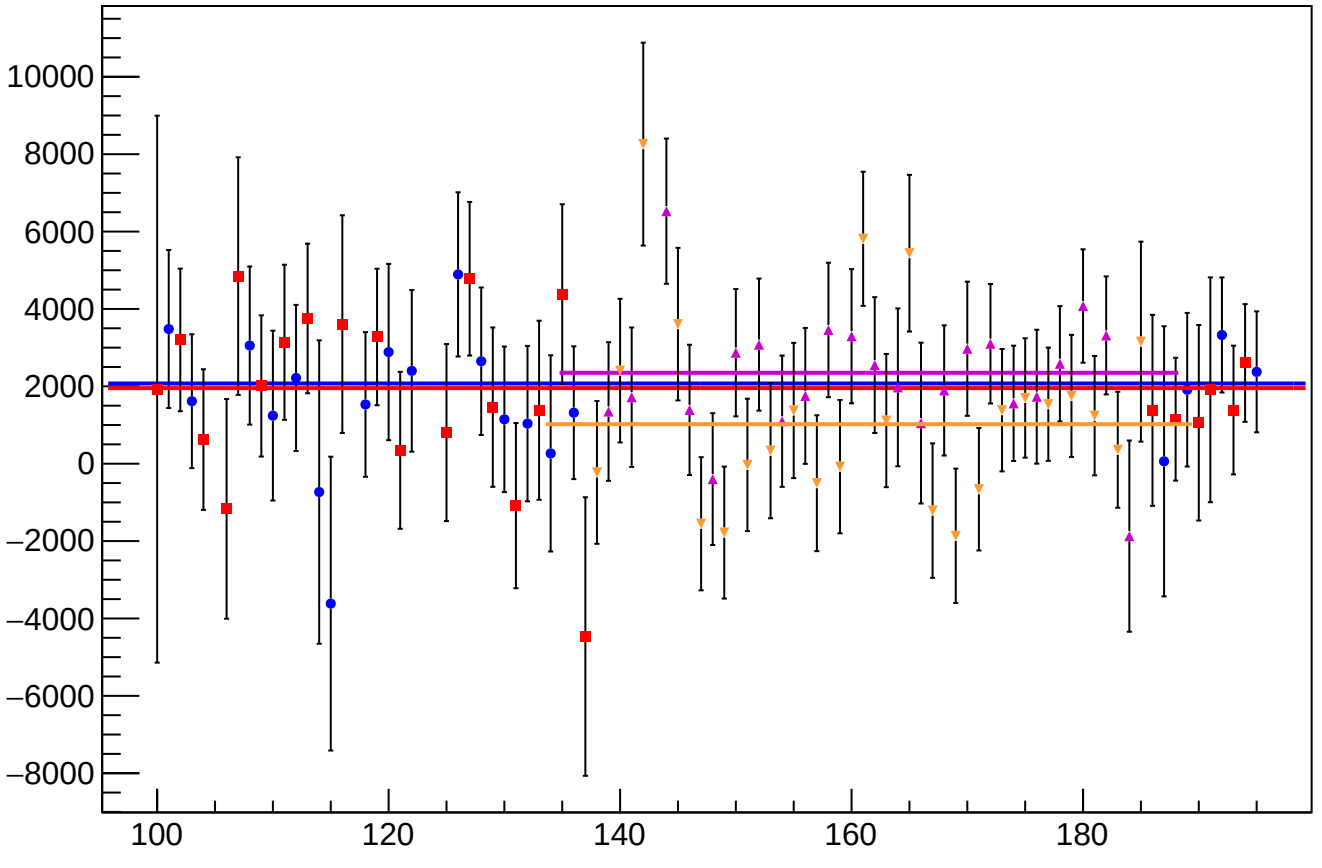
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3636.043+/-0.587 χ^2/NDF: 2811621.6/43

In: 4420.999+/-0.616 χ^2/NDF:4445481.3/42

Out: 4414.671+/-0.602 χ^2/NDF:4522394.8/47

All: 4417.759+/-0.431 χ^2/NDF: 8967930.0/90



Right In: 2073.156+/-453.396 χ^2/NDF: 8.1/19

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1953.831+/-433.018 χ^2/NDF: 15.3/23

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

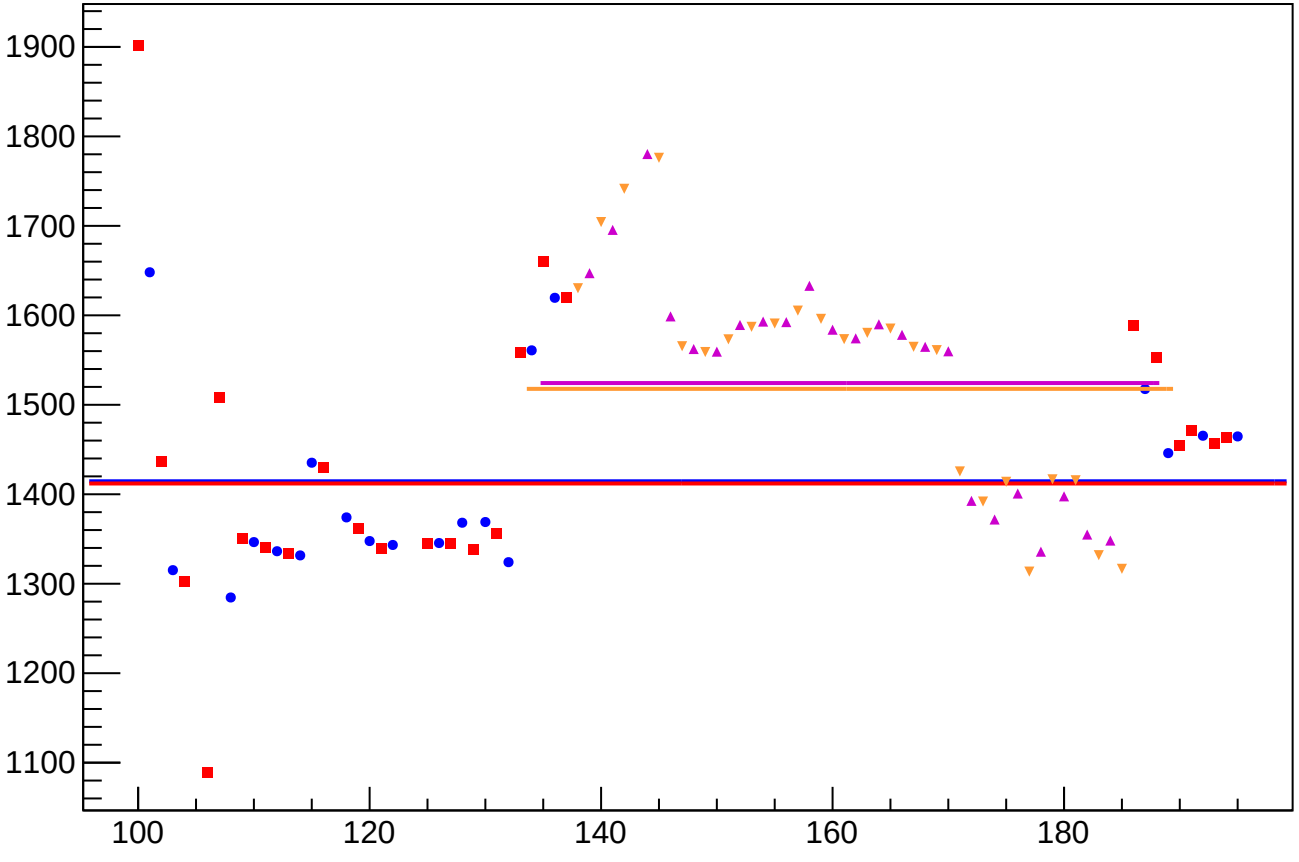
Right: 2010.752+/-313.147 χ^2/NDF: 23.4/43

In: 2243.522+/-280.520 χ^2/NDF:24.3/42

Out: 1394.987+/-273.819 χ^2/NDF:54.5/47

All: 1808.998+/-195.945 χ^2/NDF: 83.5/90

eigen_cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1414.514+/-0.321 χ^2/NDF: 102532.2/19

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1412.043+/-0.303 χ^2/NDF: 154971.9/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

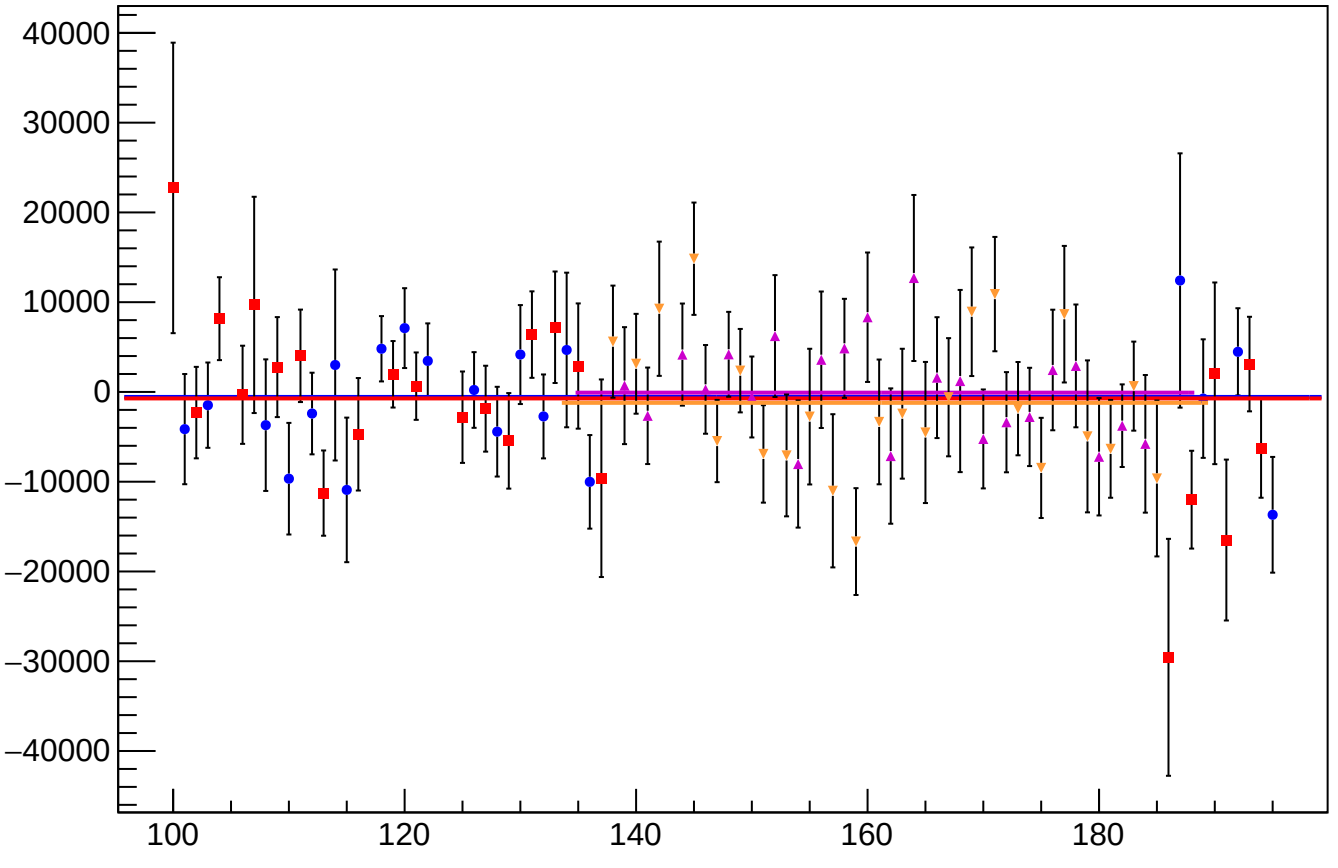
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1413.210+/-0.220 χ^2/NDF: 257535.5/43

In: 1482.283+/-0.198 χ^2/NDF:399247.9/42

Out: 1475.046+/-0.193 χ^2/NDF:461348.8/47

All: 1478.563+/-0.138 χ^2/NDF: 861280.6/90



Right In: -557.294+/-1203.225 χ^2/NDF: 22.0/19

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -721.367+/-1147.615 χ^2/NDF: 33.4/23

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

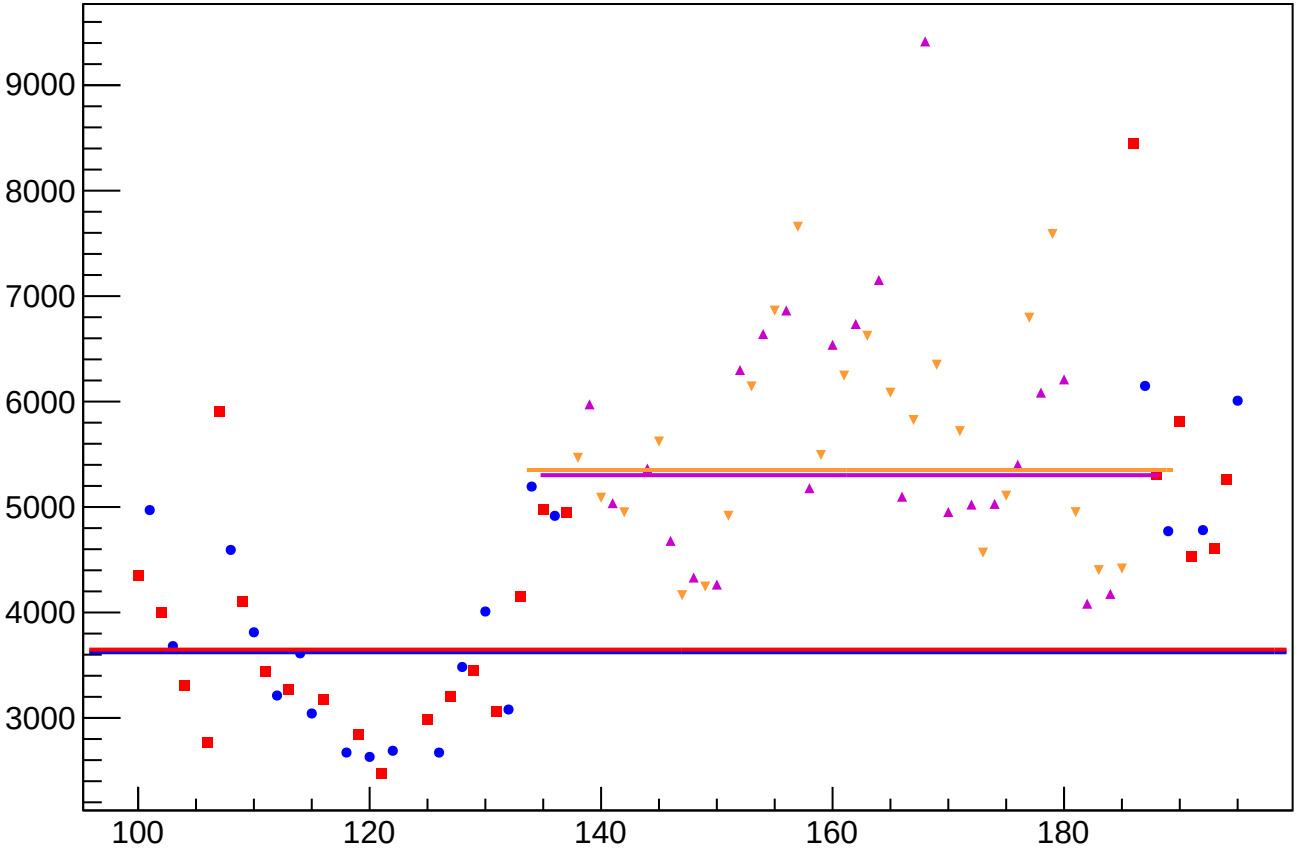
Right: -643.209+/-830.450 χ^2/NDF: 55.4/43

In: -330.785+/-871.609 χ^2/NDF:35.3/42

Out: -942.182+/-850.967 χ^2/NDF:66.8/47

All: -643.809+/-608.891 χ^2/NDF: 102.3/90

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3622.932+/-0.851 χ^2/NDF: 1337801.5/19

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3647.969+/-0.811 χ^2/NDF: 1473366.7/23

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

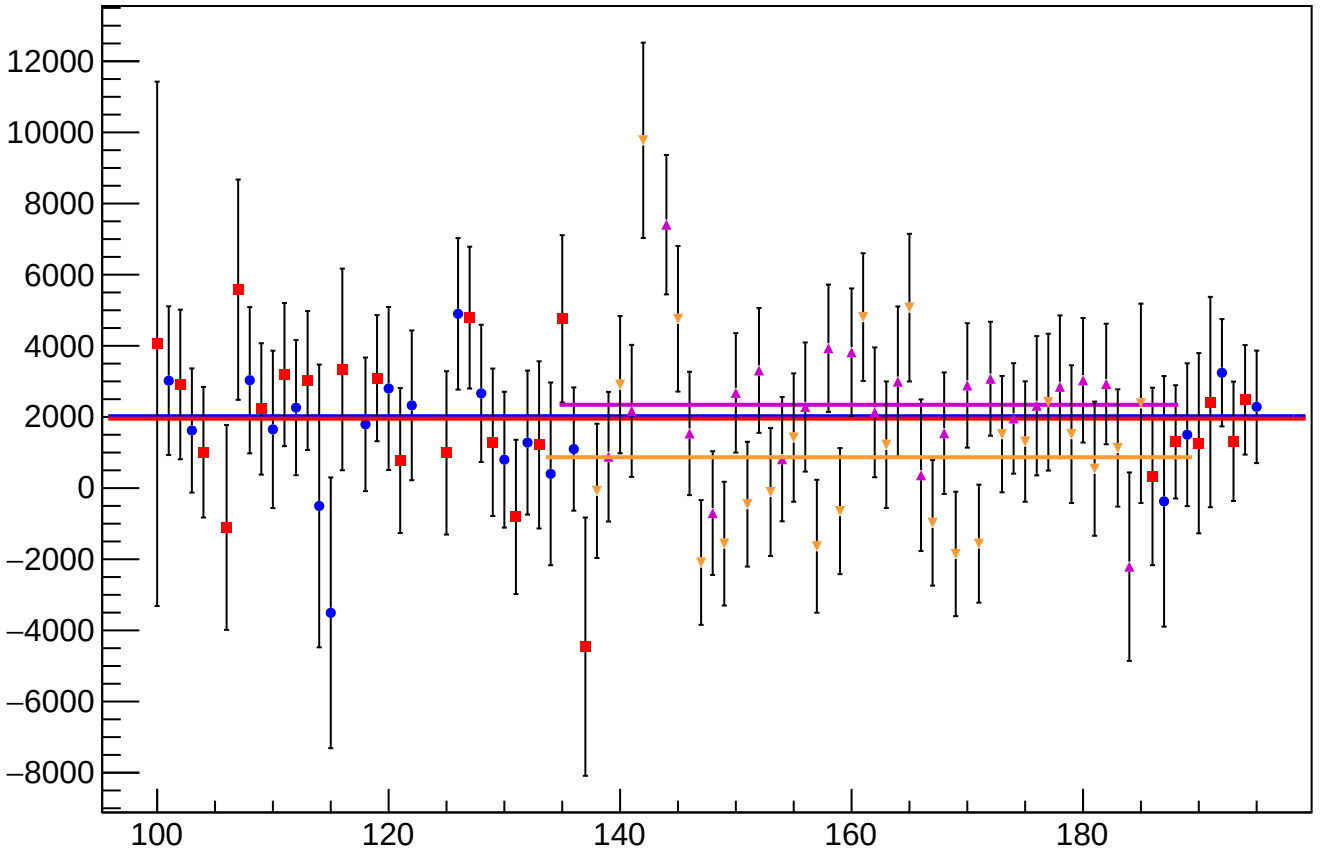
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3636.043+/-0.587 χ^2/NDF: 2811621.6/43

In: 4420.999+/-0.616 χ^2/NDF:4445481.3/42

Out: 4414.671+/-0.602 χ^2/NDF:4522394.8/47

All: 4417.759+/-0.431 χ^2/NDF: 8967930.0/90



Right In: 2020.757+/-458.013 χ^2/NDF: 7.6/19

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 1953.704+/-439.439 χ^2/NDF: 14.3/23

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

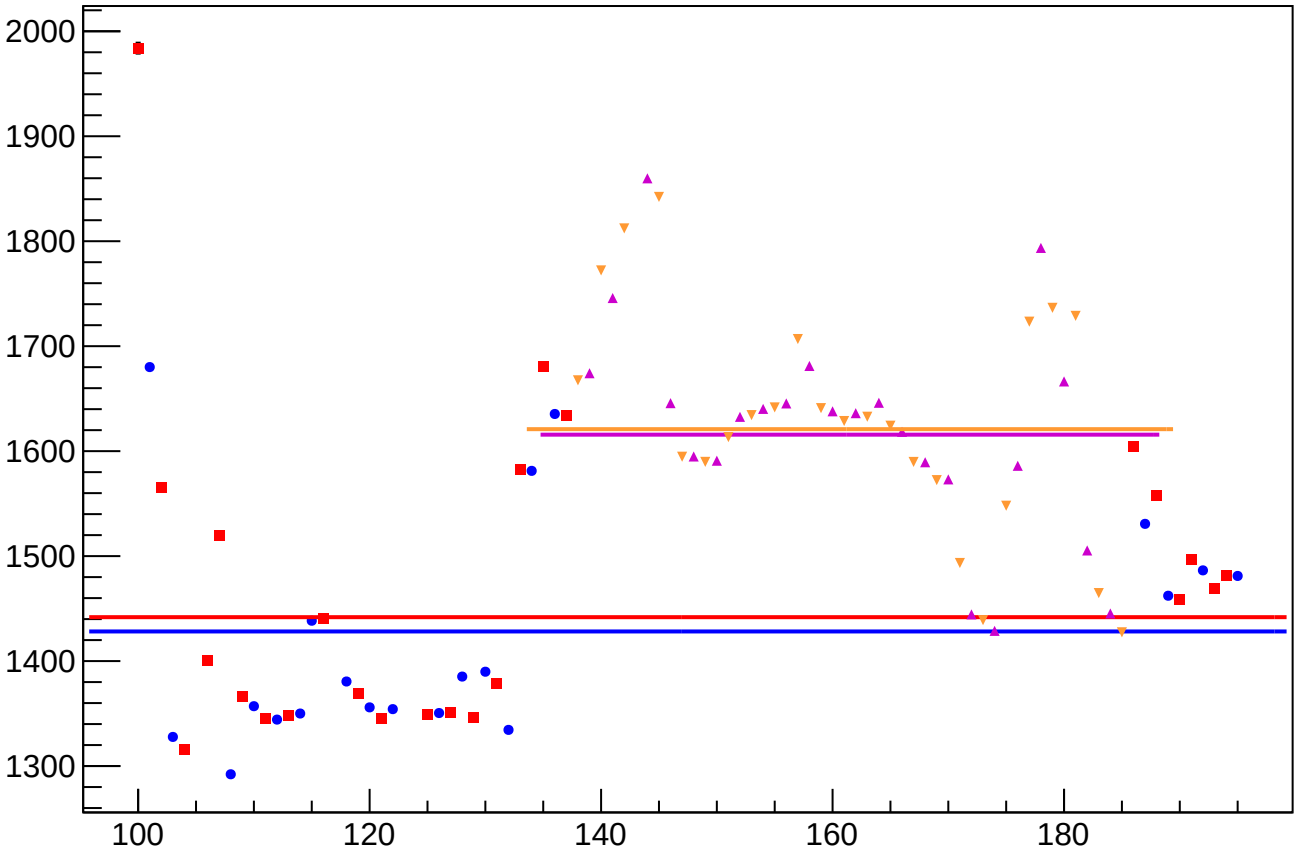
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 1985.843+/-317.093 χ^2/NDF: 21.9/43

In: 2211.979+/-291.588 χ^2/NDF:25.9/42

Out: 1328.794+/-286.209 χ^2/NDF:57.5/47

All: 1762.166+/-204.256 χ^2/NDF: 88.1/90



Right In: 1428.225+/-0.324 χ^2/NDF: 108871.4/19

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1441.835+/-0.310 χ^2/NDF: 117808.6/23

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

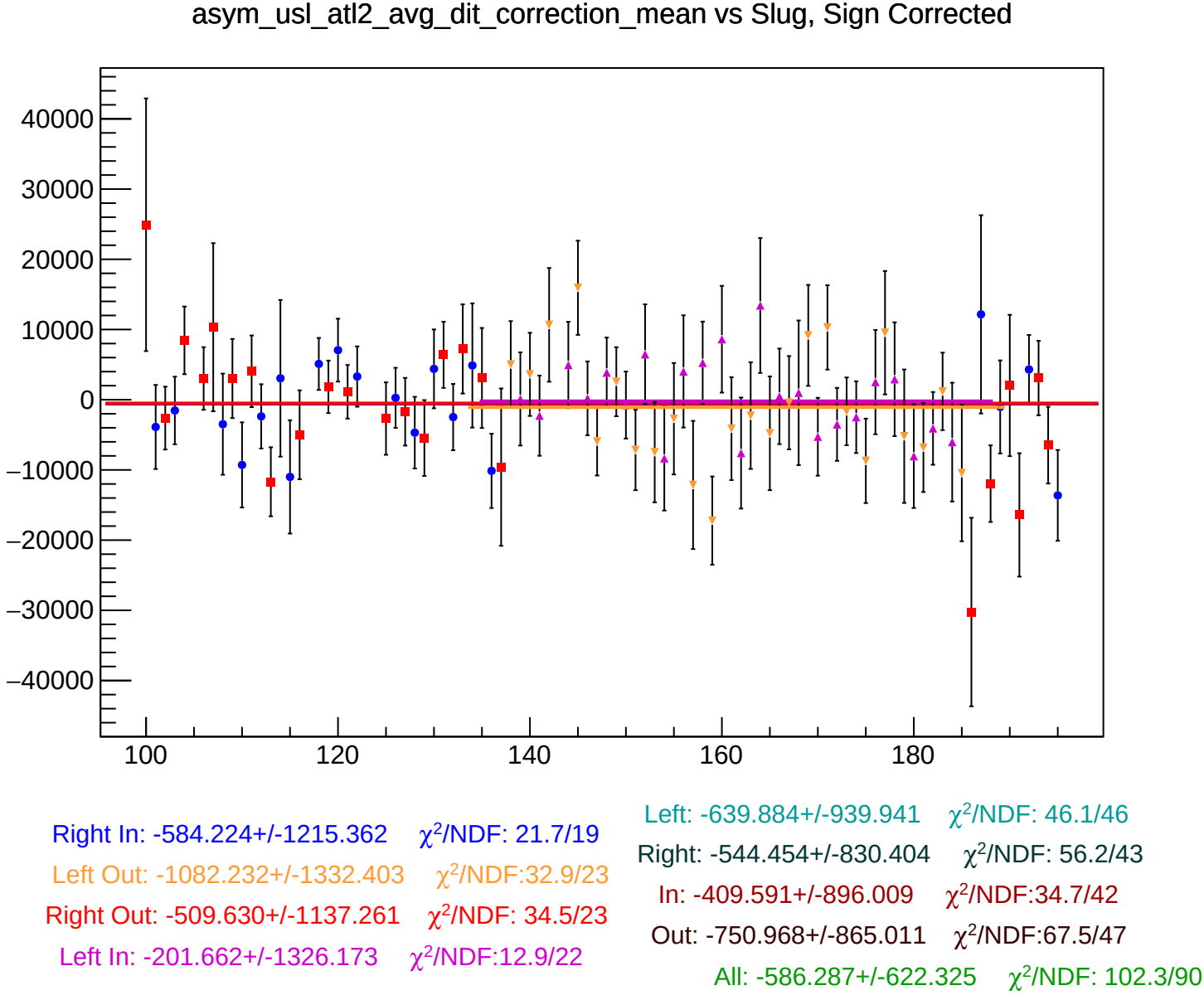
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

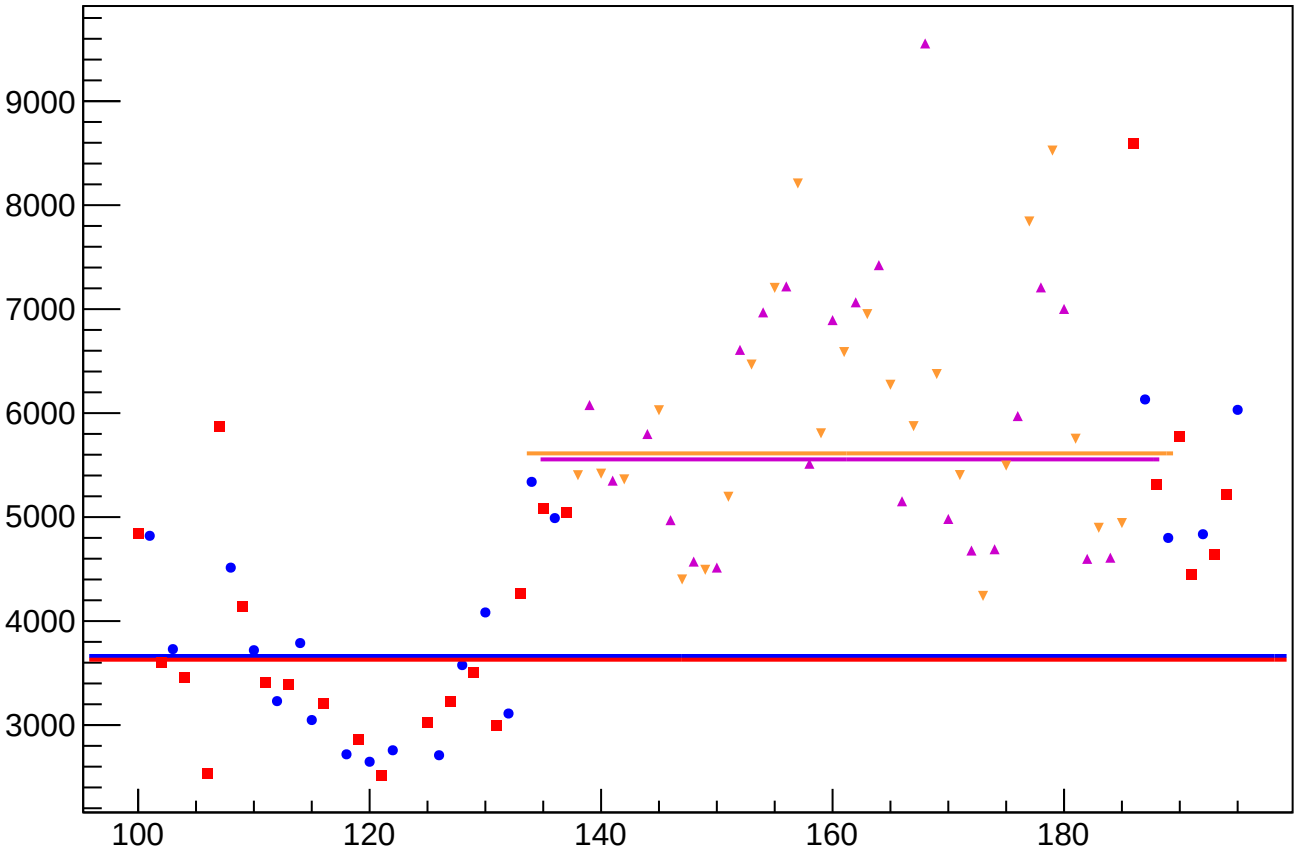
Right: 1435.324+/-0.224 χ^2/NDF: 227601.3/43

In: 1539.718+/-0.206 χ^2/NDF:445297.4/42

Out: 1544.805+/-0.202 χ^2/NDF:451513.3/47

All: 1542.311+/-0.144 χ^2/NDF: 897121.0/90


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
Right In: -584.224+/-1215.362 χ²/NDF: 21.7/19
Left Out: -1082.232+/-1332.403 χ²/NDF:32.9/23
Right Out: -509.630+/-1137.261 χ²/NDF: 34.5/23
Left In: -201.662+/-1326.173 χ²/NDF:12.9/22
Left: -639.884+/-939.941 χ²/NDF: 46.1/46
Right: -544.454+/-830.404 χ²/NDF: 56.2/43
In: -409.591+/-896.009 χ²/NDF:34.7/42
Out: -750.968+/-865.011 χ²/NDF:67.5/47
All: -586.287+/-622.325 χ²/NDF: 102.3/90



Right In: 3664.196+/-0.859 χ^2/NDF: 1292956.3/19

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3628.574+/-0.804 χ^2/NDF: 1517110.9/23

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

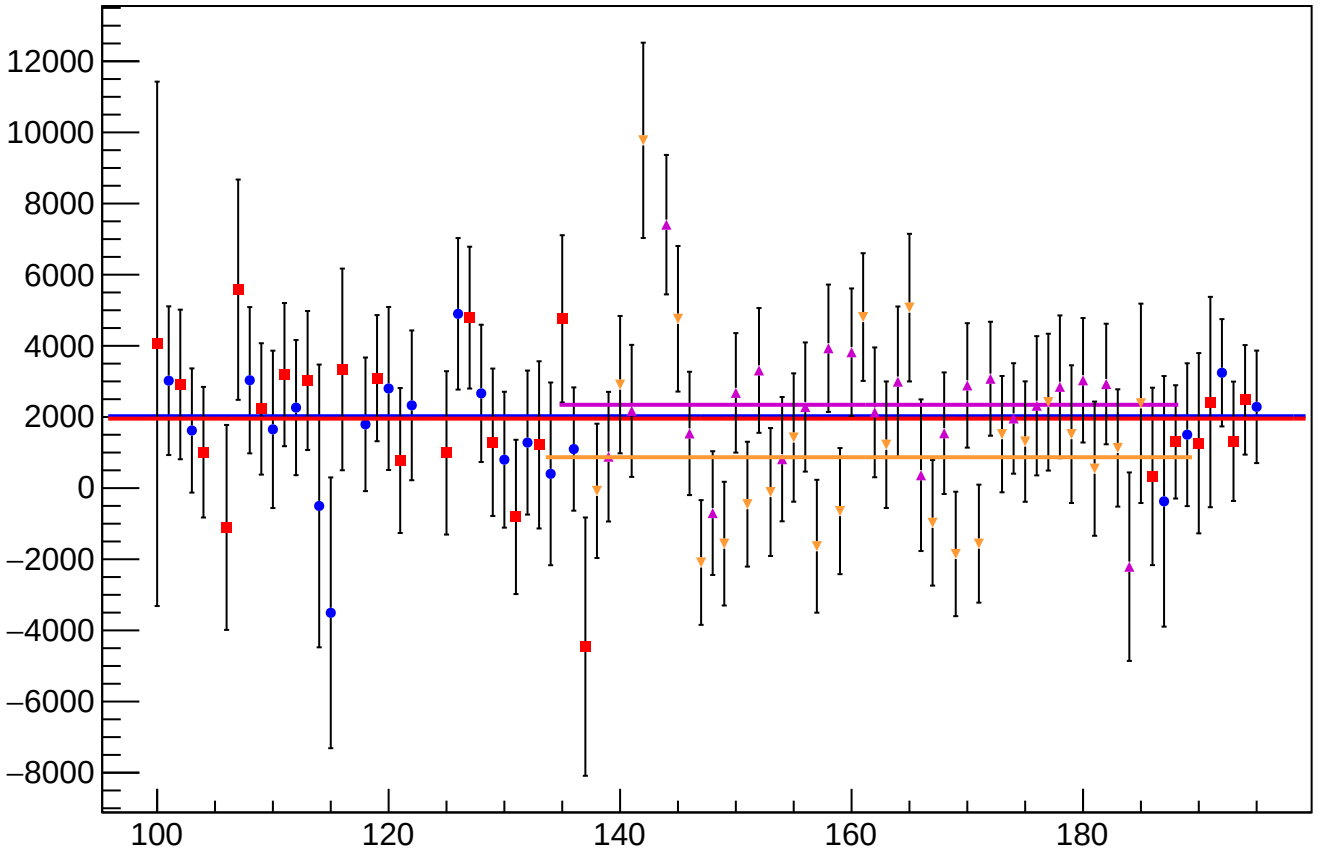
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3645.204+/-0.587 χ^2/NDF: 2810983.3/43

In: 4527.282+/-0.634 χ^2/NDF:4835467.0/42

Out: 4464.846+/-0.612 χ^2/NDF:5271088.0/47

All: 4494.965+/-0.440 χ^2/NDF: 10111581.5/9



Right In: 2020.756+/-458.013 χ^2/NDF: 7.6/19

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 1953.703+/-439.439 χ^2/NDF: 14.3/23

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

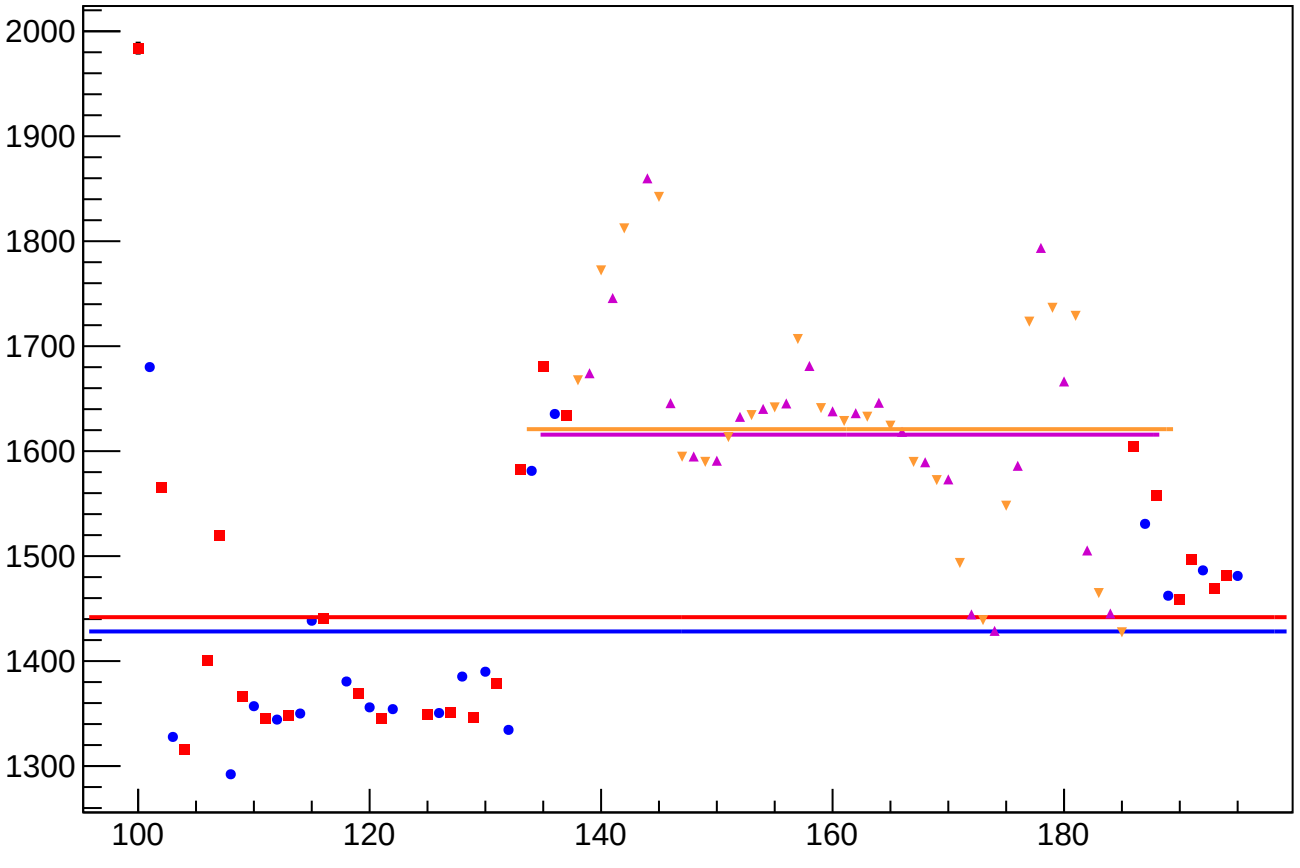
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 1985.842+/-317.093 χ^2/NDF: 21.9/43

In: 2211.978+/-291.588 χ^2/NDF:25.9/42

Out: 1328.791+/-286.209 χ^2/NDF:57.5/47

All: 1762.164+/-204.256 χ^2/NDF: 88.1/90



Right In: 1428.225+/-0.324 χ^2/NDF: 108871.3/19

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1441.835+/-0.310 χ^2/NDF: 117808.7/23

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

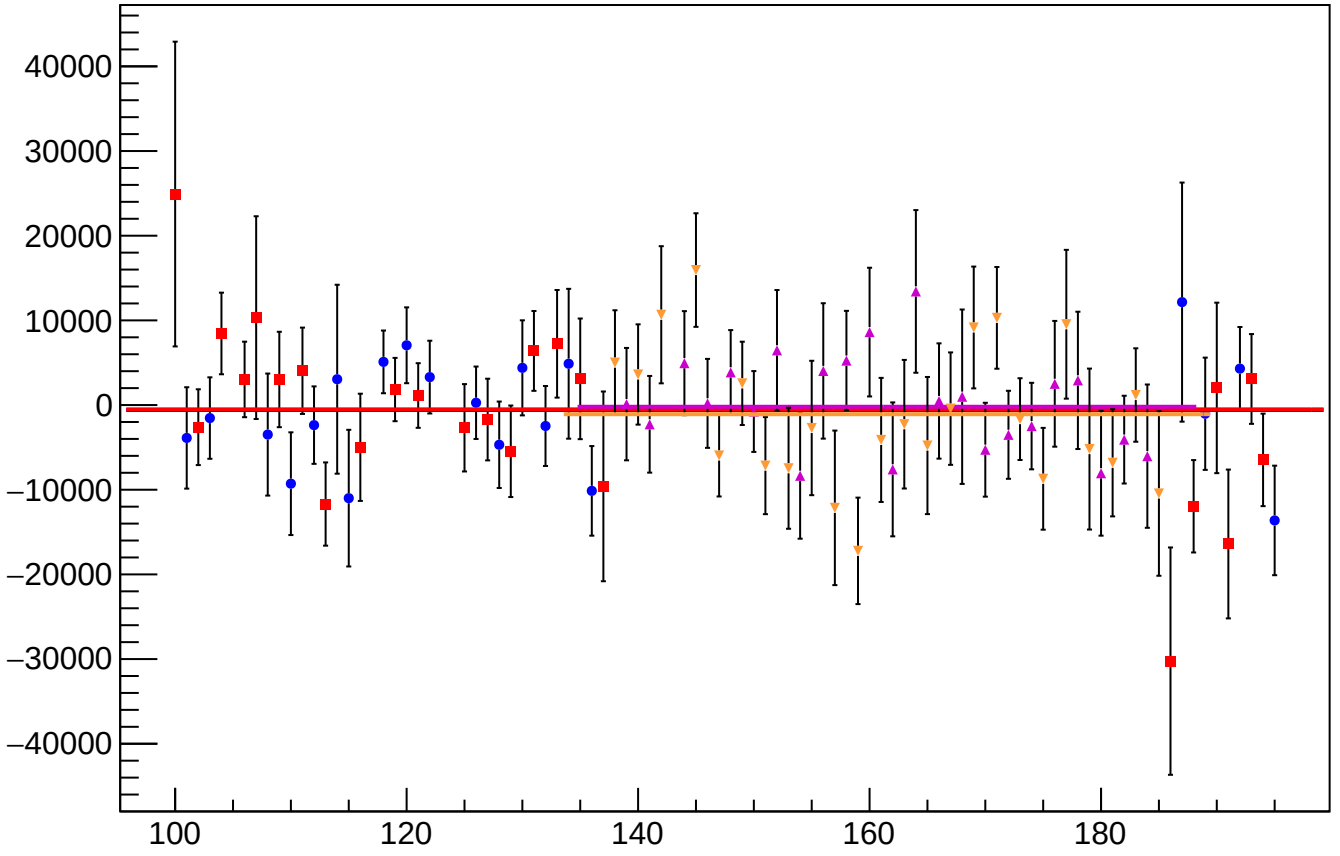
Right: 1435.324+/-0.224 χ^2/NDF: 227601.3/43

In: 1539.719+/-0.206 χ^2/NDF:445304.6/42

Out: 1544.806+/-0.202 χ^2/NDF:451521.1/47

All: 1542.311+/-0.144 χ^2/NDF: 897136.0/90

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -584.217+/-1215.359 χ^2/NDF: 21.7/19

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -509.623+/-1137.259 χ^2/NDF: 34.5/23

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

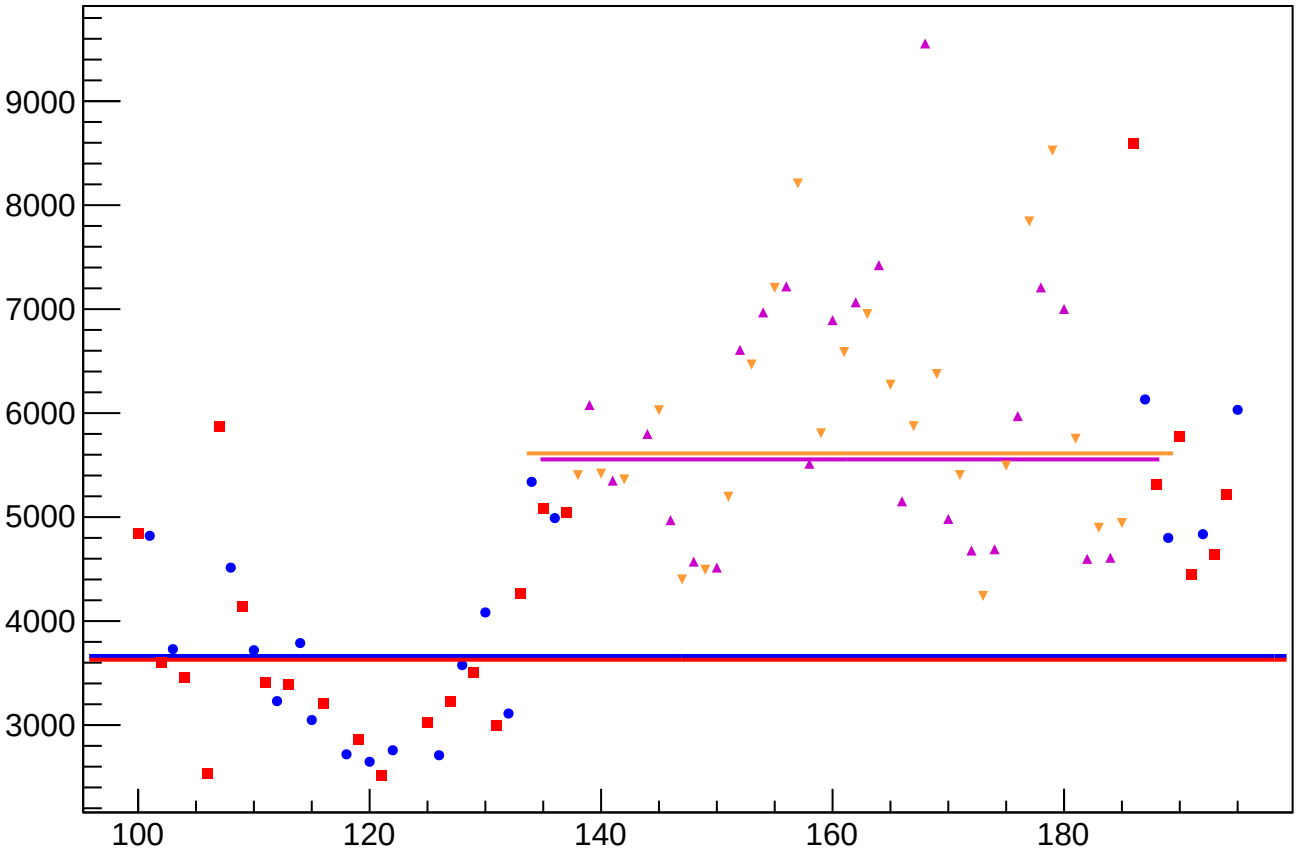
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: -544.446+/-830.402 χ^2/NDF: 56.2/43

In: -409.588+/-896.009 χ^2/NDF:34.7/42

Out: -750.965+/-865.010 χ^2/NDF:67.5/47

All: -586.284+/-622.325 χ^2/NDF: 102.3/90



Right In: 3664.186+/-0.859 χ^2/NDF: 1292976.3/19

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3628.565+/-0.804 χ^2/NDF: 1517127.0/23

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

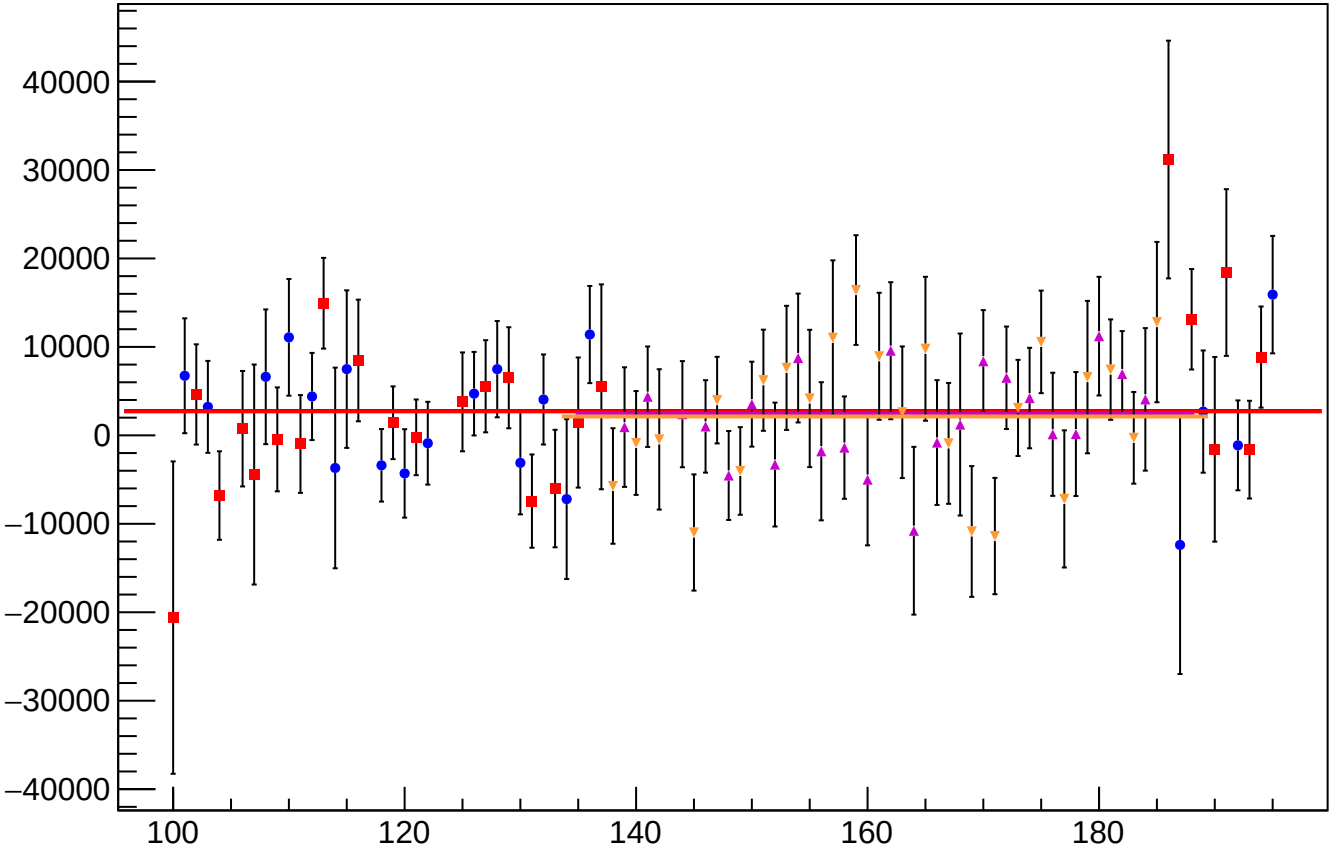
Right: 3645.194+/-0.587 χ^2/NDF: 2811019.4/43

In: 4527.276+/-0.634 χ^2/NDF:4835533.4/42

Out: 4464.841+/-0.612 χ^2/NDF:5271151.1/47

All: 4494.960+/-0.440 χ^2/NDF: 10111710.9/9

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2751.065+/-1305.365 χ^2/NDF: 19.1/19

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 2718.206+/-1246.803 χ^2/NDF: 32.4/23

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

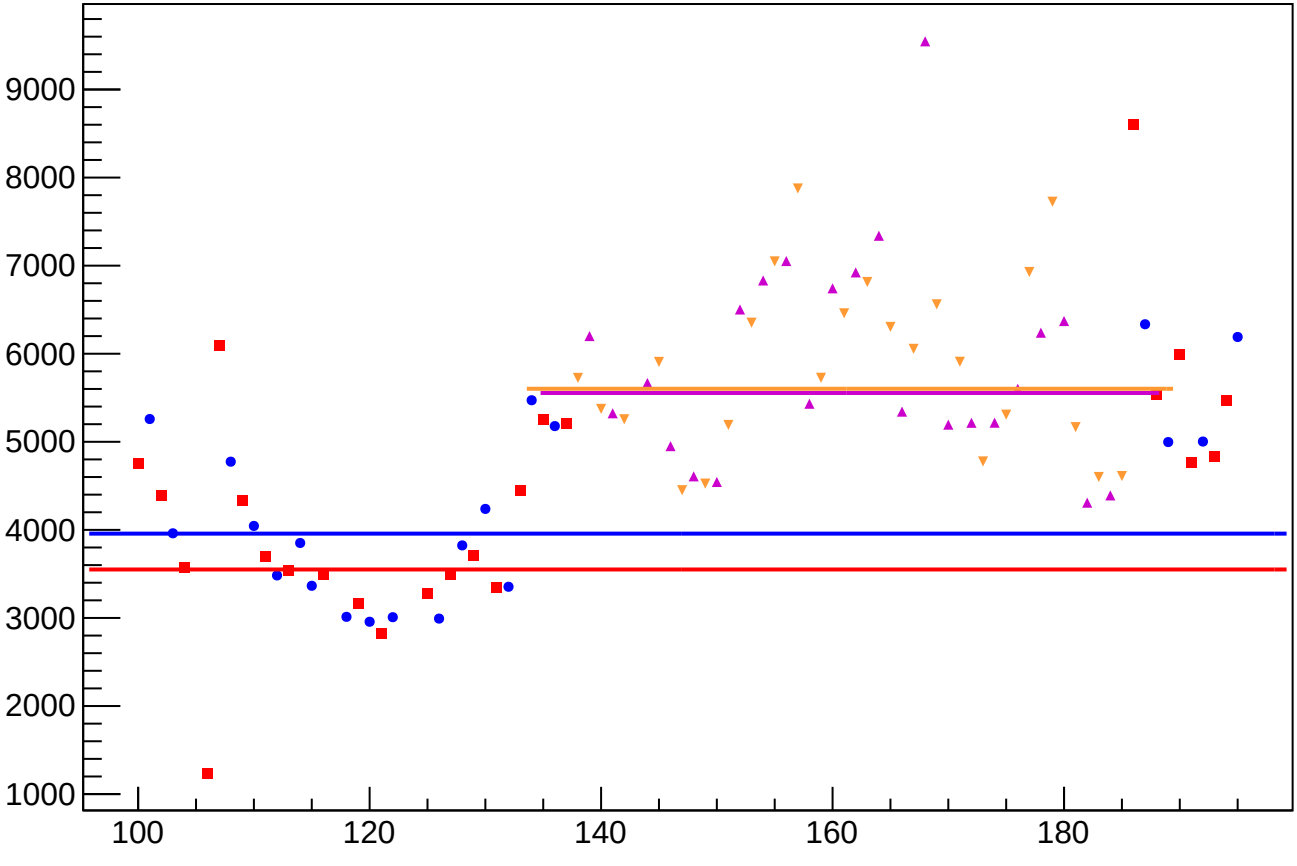
Right: 2733.882+/-901.615 χ^2/NDF: 51.5/43

In: 2591.495+/-928.538 χ^2/NDF:32.0/42

Out: 2445.660+/-907.812 χ^2/NDF:63.2/47

All: 2516.932+/-649.124 χ^2/NDF: 95.2/90

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3957.431+/-0.923 χ^2/NDF: 1081456.0/19

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3550.332+/-0.820 χ^2/NDF: 2778135.2/23

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

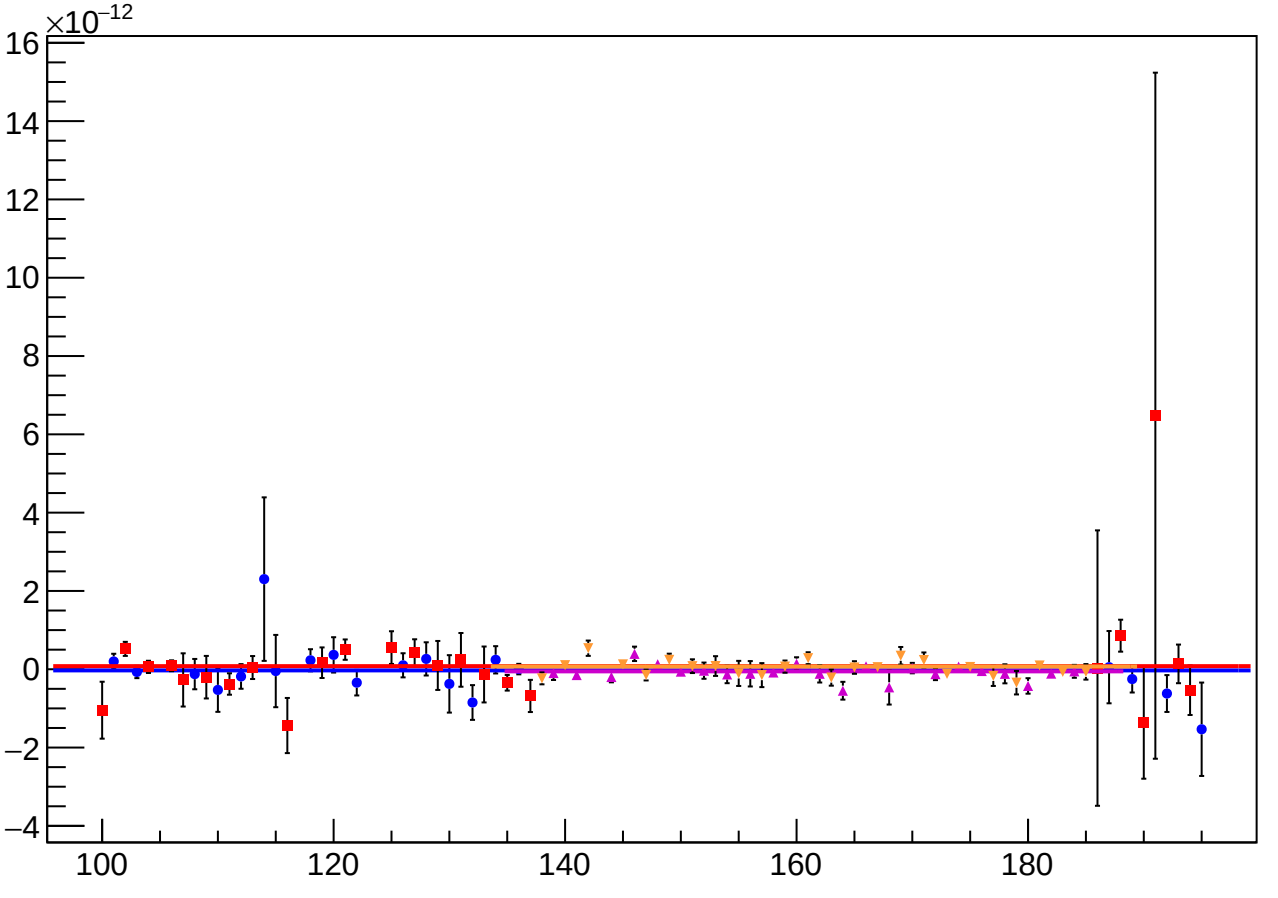
Right: 3729.884+/-0.613 χ^2/NDF: 3968318.8/43

In: 4746.188+/-0.657 χ^2/NDF:3671766.7/42

Out: 4440.730+/-0.617 χ^2/NDF:6436253.0/47

All: 4583.950+/-0.450 χ^2/NDF: 10222977.2/9

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/23

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

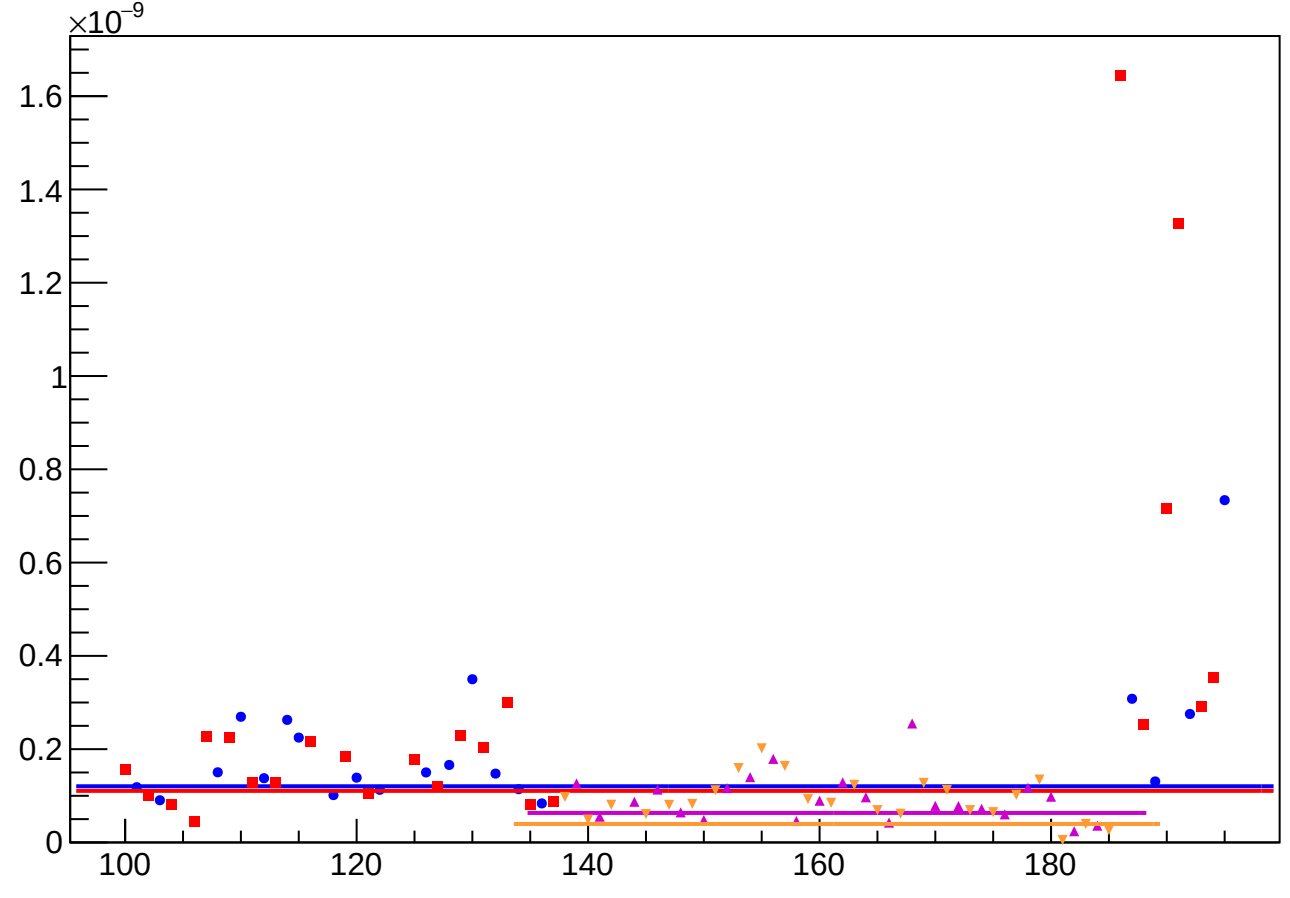
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 51.9/43

In: -0.000+/-0.000 χ^2/NDF:40.3/42

Out: 0.000+/-0.000 χ^2/NDF:64.0/47

All: 0.000+/-0.000 χ^2/NDF: 117.7/90



Right In: 0.000+/-0.000 χ^2/NDF: 1506329.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2746381.5/23

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

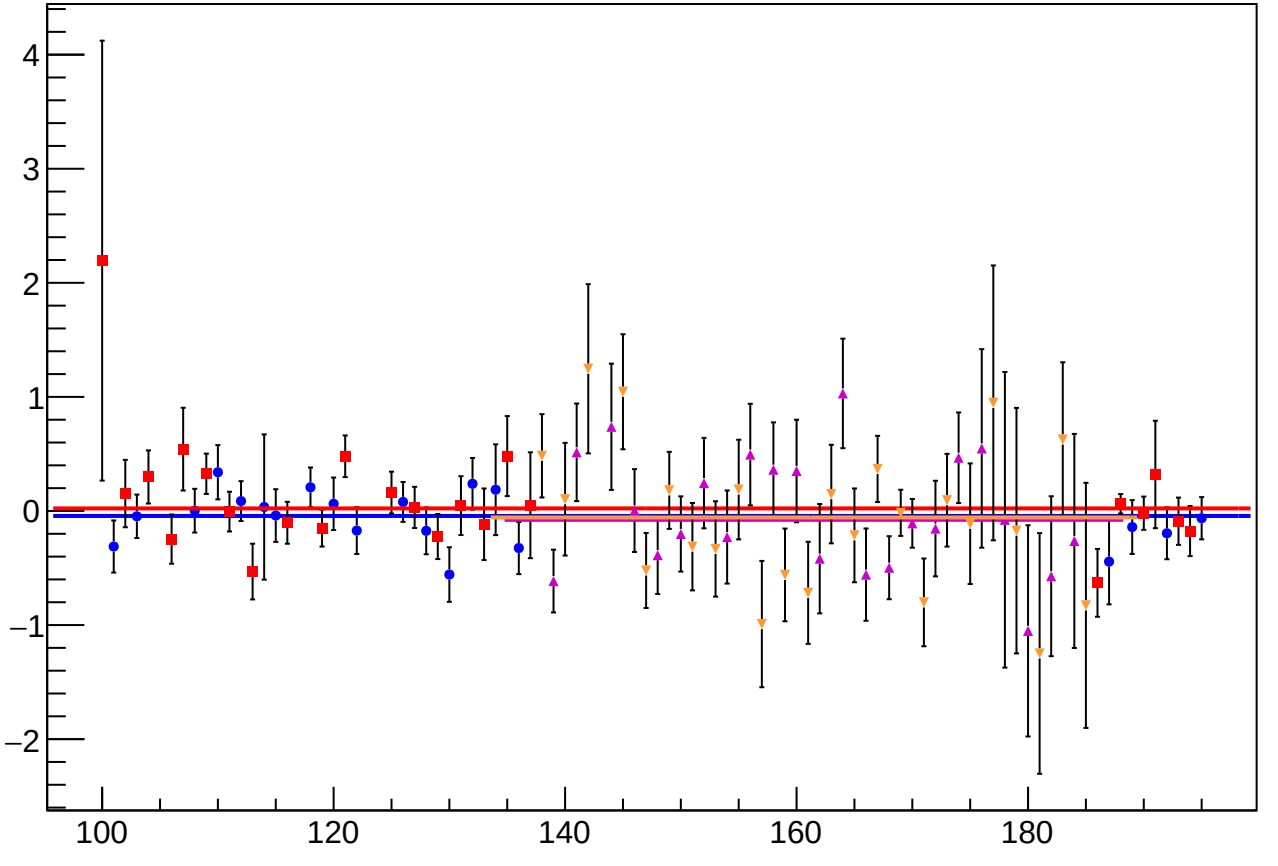
Right: 0.000+/-0.000 χ^2/NDF: 4274959.4/43

In: 0.000+/-0.000 χ^2/NDF:5640164.6/42

Out: 0.000+/-0.000 χ^2/NDF:11905545.0/47

All: 0.000+/-0.000 χ^2/NDF: 18616831.5/90

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.049 χ^2/NDF: 18.0/19

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

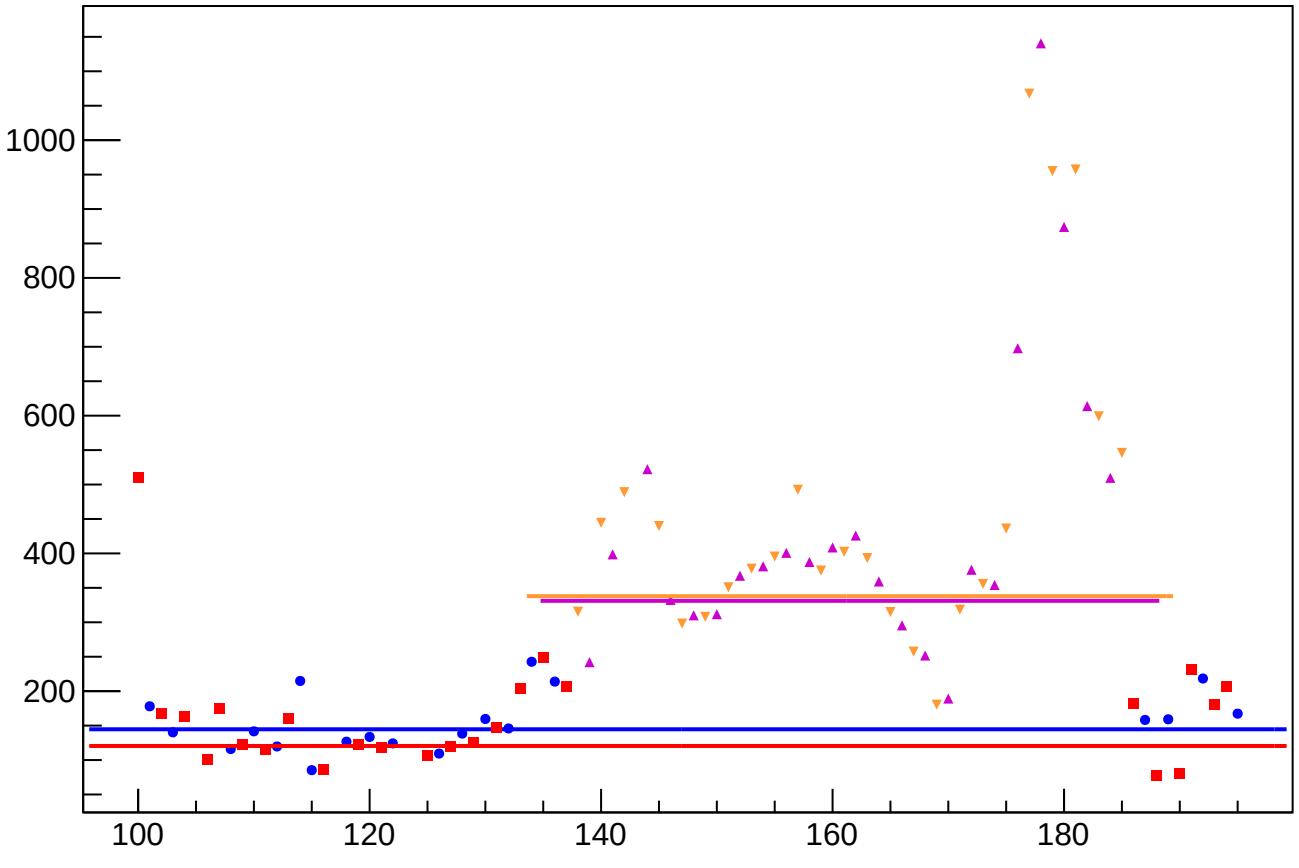
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.004+/-0.031 χ^2/NDF: 52.2/43

In: -0.052+/-0.042 χ^2/NDF:45.1/42

Out: 0.008+/-0.037 χ^2/NDF:64.2/47

All: -0.018+/-0.028 χ^2/NDF: 110.5/90



Right In: 144.664+/-0.035 χ^2/NDF: 977774.2/19

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 120.425+/-0.029 χ^2/NDF: 2242007.4/23

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

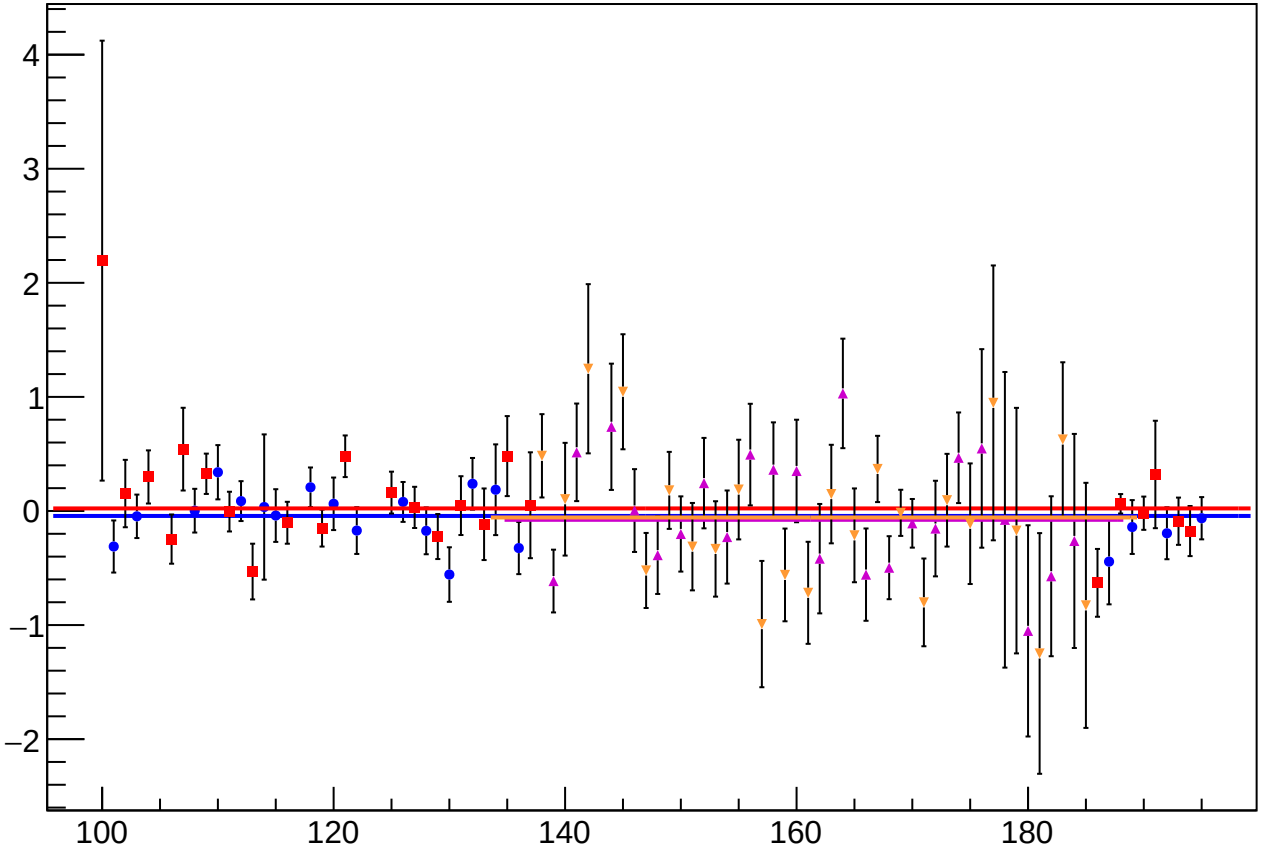
Right: 130.246+/-0.022 χ^2/NDF: 3509054.4/43

In: 192.733+/-0.030 χ^2/NDF:12505249.4/42

Out: 160.427+/-0.026 χ^2/NDF:17332414.4/47

All: 174.261+/-0.020 χ^2/NDF: 30503174.2/90

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.049 χ^2/NDF: 18.0/19

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

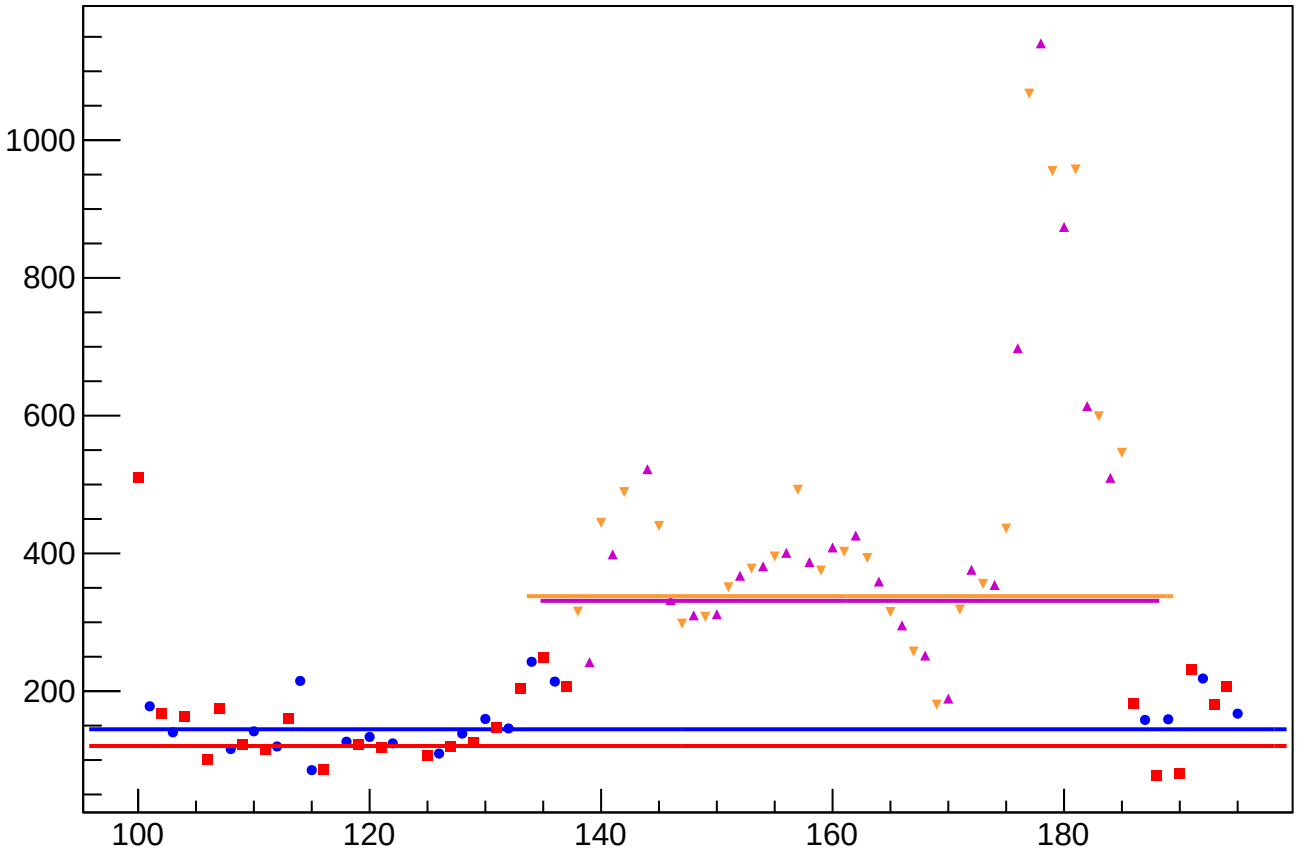
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.004+/-0.031 χ^2/NDF: 52.2/43

In: -0.052+/-0.042 χ^2/NDF:45.1/42

Out: 0.008+/-0.037 χ^2/NDF:64.2/47

All: -0.018+/-0.028 χ^2/NDF: 110.5/90



Right In: 144.664+/-0.035 χ^2/NDF: 977774.2/19

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 120.425+/-0.029 χ^2/NDF: 2242007.4/23

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

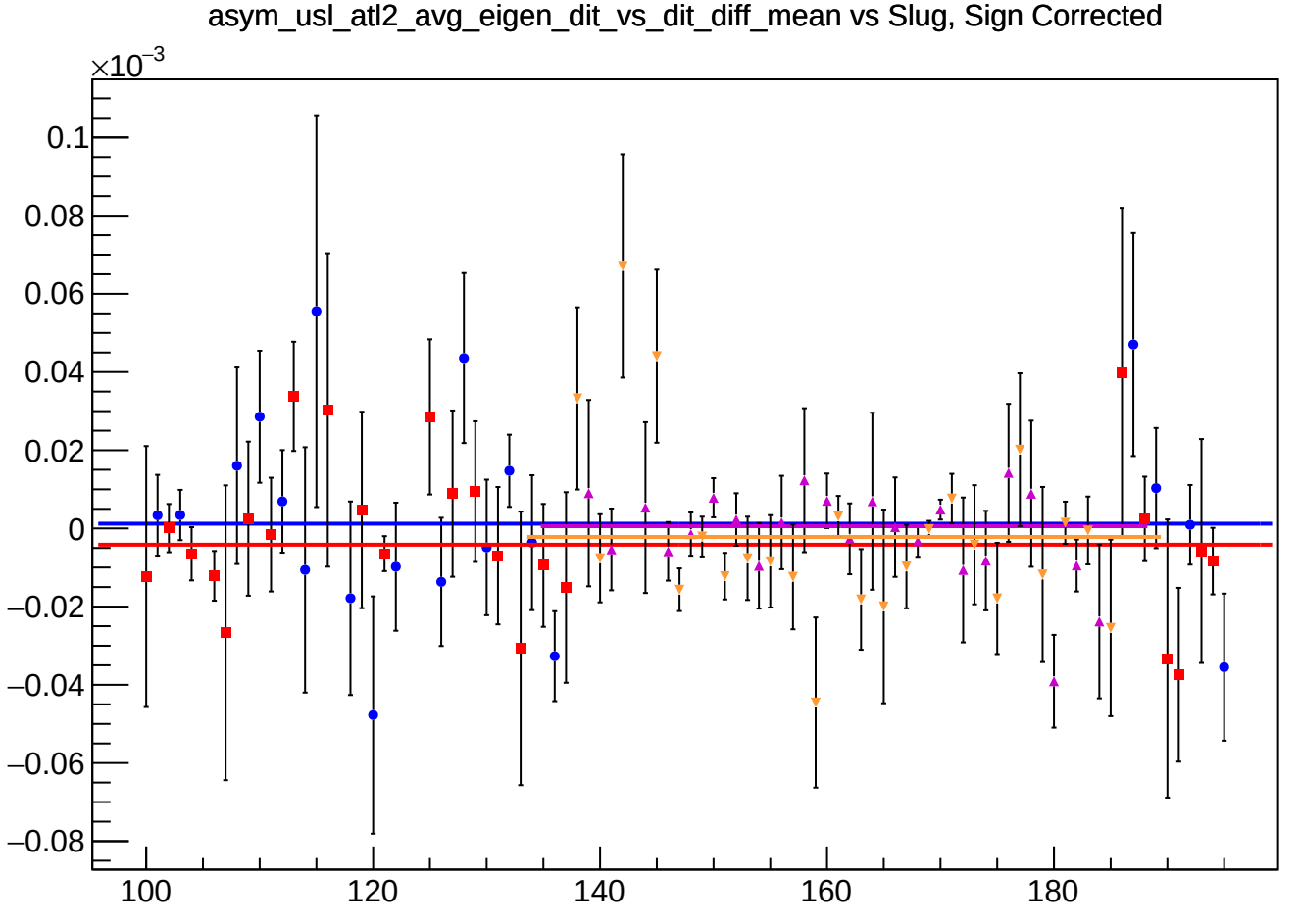
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 130.246+/-0.022 χ^2/NDF: 3509054.4/43

In: 192.733+/-0.030 χ^2/NDF:12505249.4/42

Out: 160.427+/-0.026 χ^2/NDF:17332414.4/47

All: 174.261+/-0.020 χ^2/NDF: 30503174.2/90



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/23

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

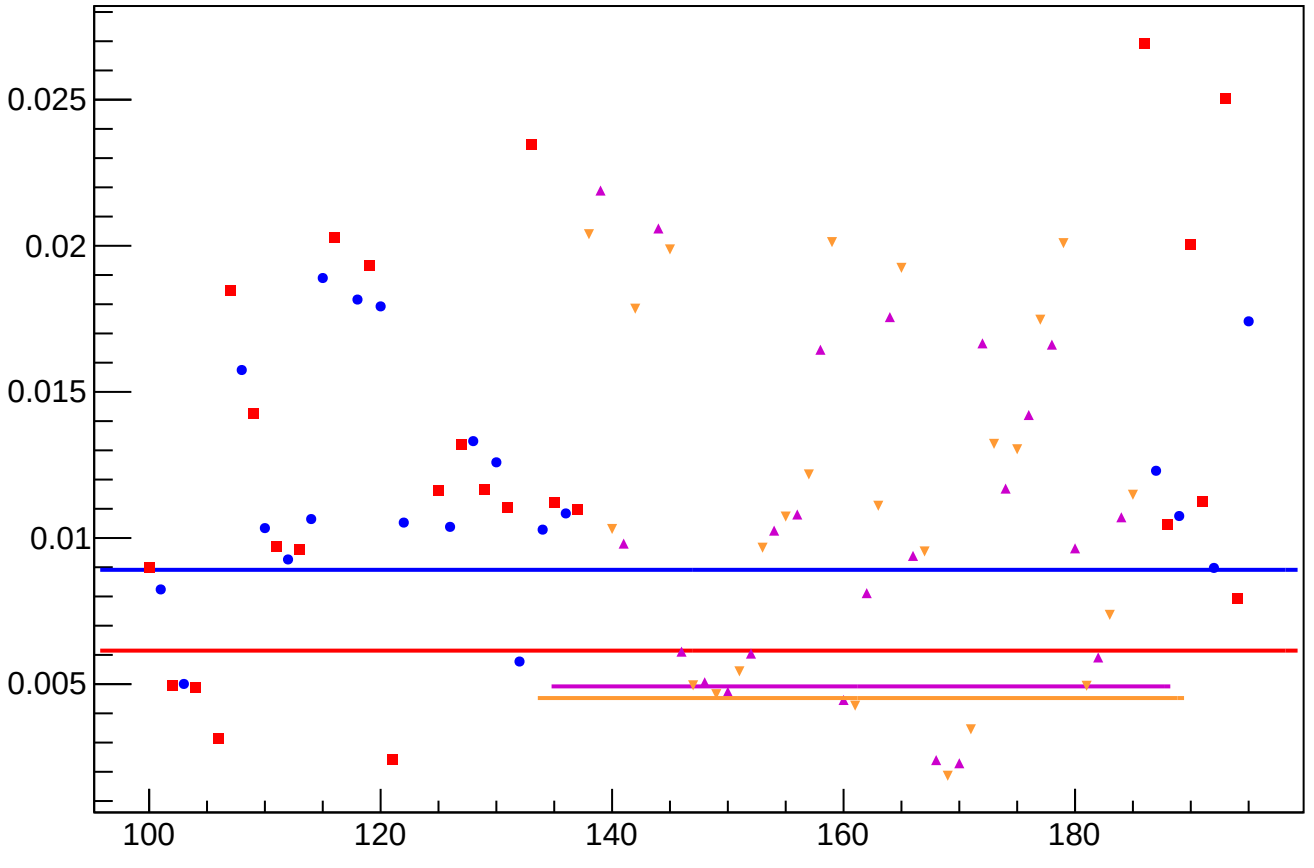
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 53.0/43

In: 0.000+/-0.000 χ^2/NDF:56.9/42

Out: -0.000+/-0.000 χ^2/NDF:58.9/47

All: -0.000+/-0.000 χ^2/NDF: 119.3/90



Right In: 0.009+/-0.000 χ^2/NDF: 2423805.4/19

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 7259415.8/23

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

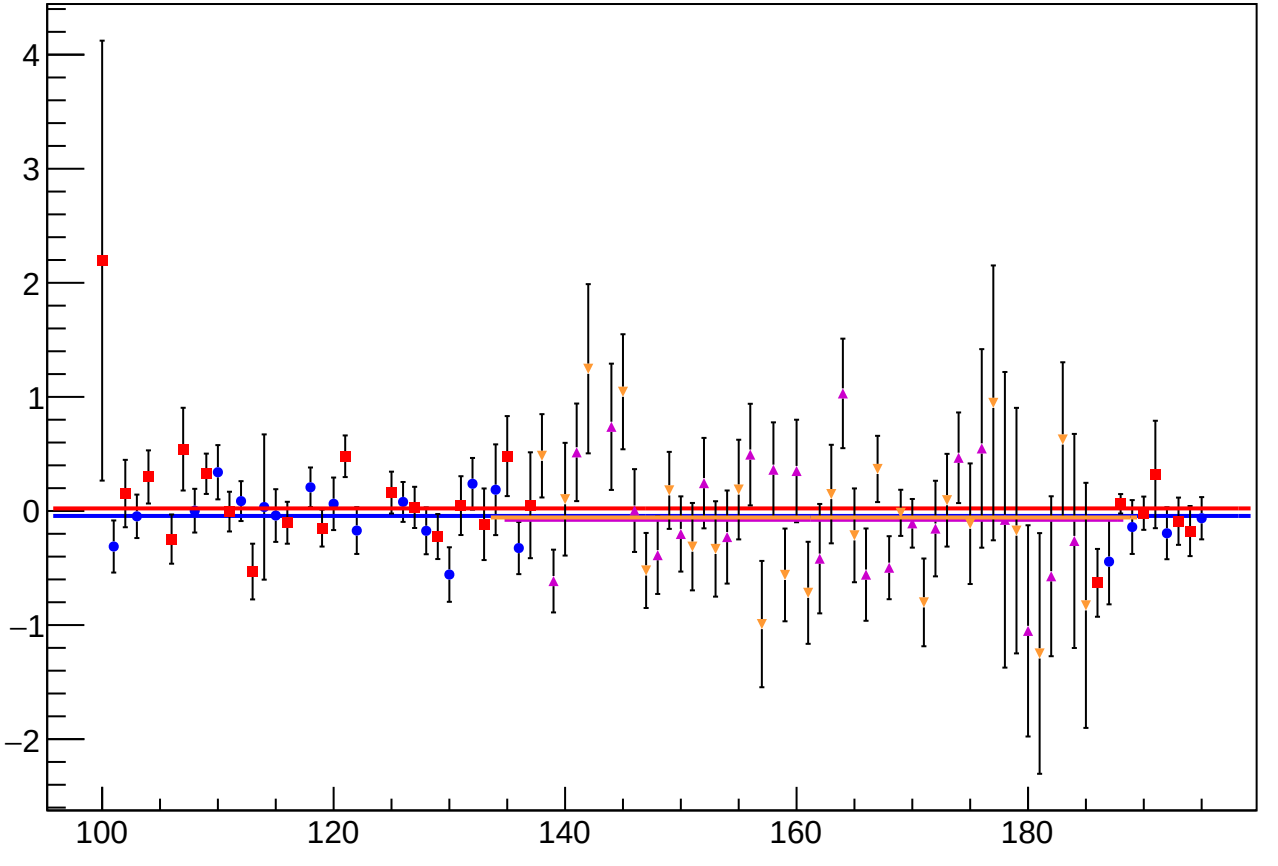
Right: 0.007+/-0.000 χ^2/NDF: 10685663.6/43

In: 0.006+/-0.000 χ^2/NDF:16695765.5/42

Out: 0.005+/-0.000 χ^2/NDF:22210104.8/47

All: 0.005+/-0.000 χ^2/NDF: 39213751.4/90

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.049 χ^2/NDF: 18.0/19

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

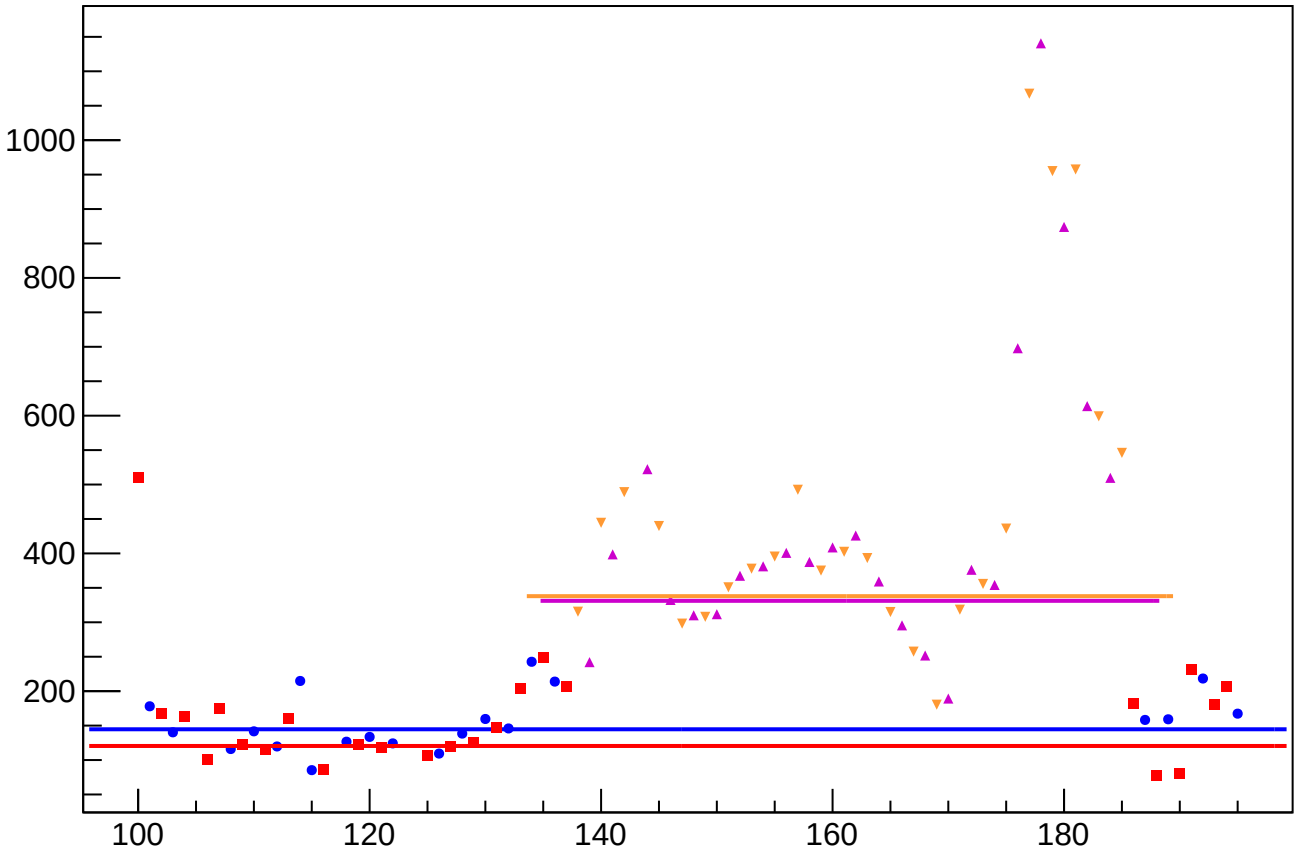
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.004+/-0.031 χ^2/NDF: 52.2/43

In: -0.052+/-0.042 χ^2/NDF:45.1/42

Out: 0.008+/-0.037 χ^2/NDF:64.2/47

All: -0.018+/-0.028 χ^2/NDF: 110.5/90



Right In: 144.664+/-0.035 χ^2/NDF: 977741.3/19

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 120.423+/-0.029 χ^2/NDF: 2242087.1/23

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

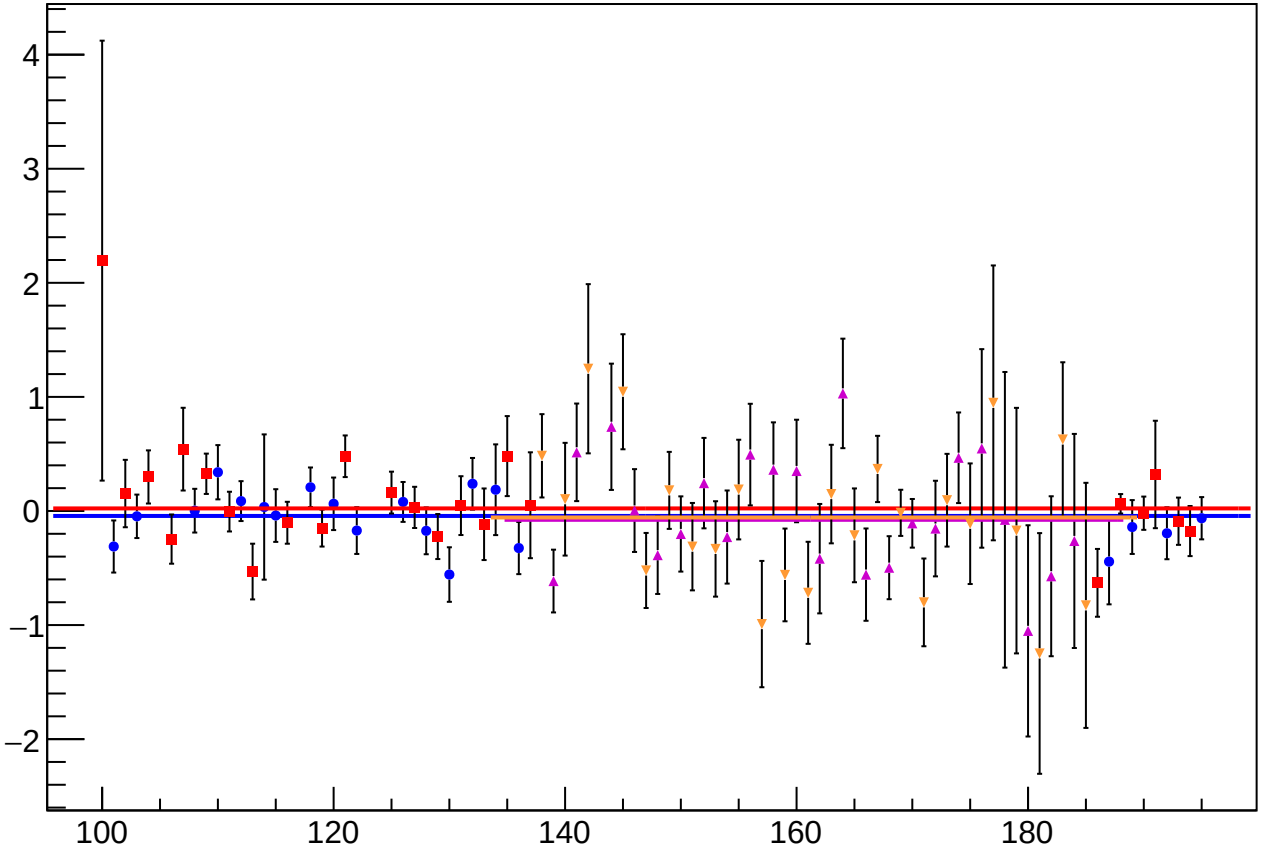
Right: 130.245+/-0.022 χ^2/NDF: 3509150.9/43

In: 192.733+/-0.030 χ^2/NDF:12505342.8/42

Out: 160.424+/-0.026 χ^2/NDF:17332864.1/47

All: 174.260+/-0.020 χ^2/NDF: 30503824.0/90

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.049 χ^2/NDF: 18.0/19

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

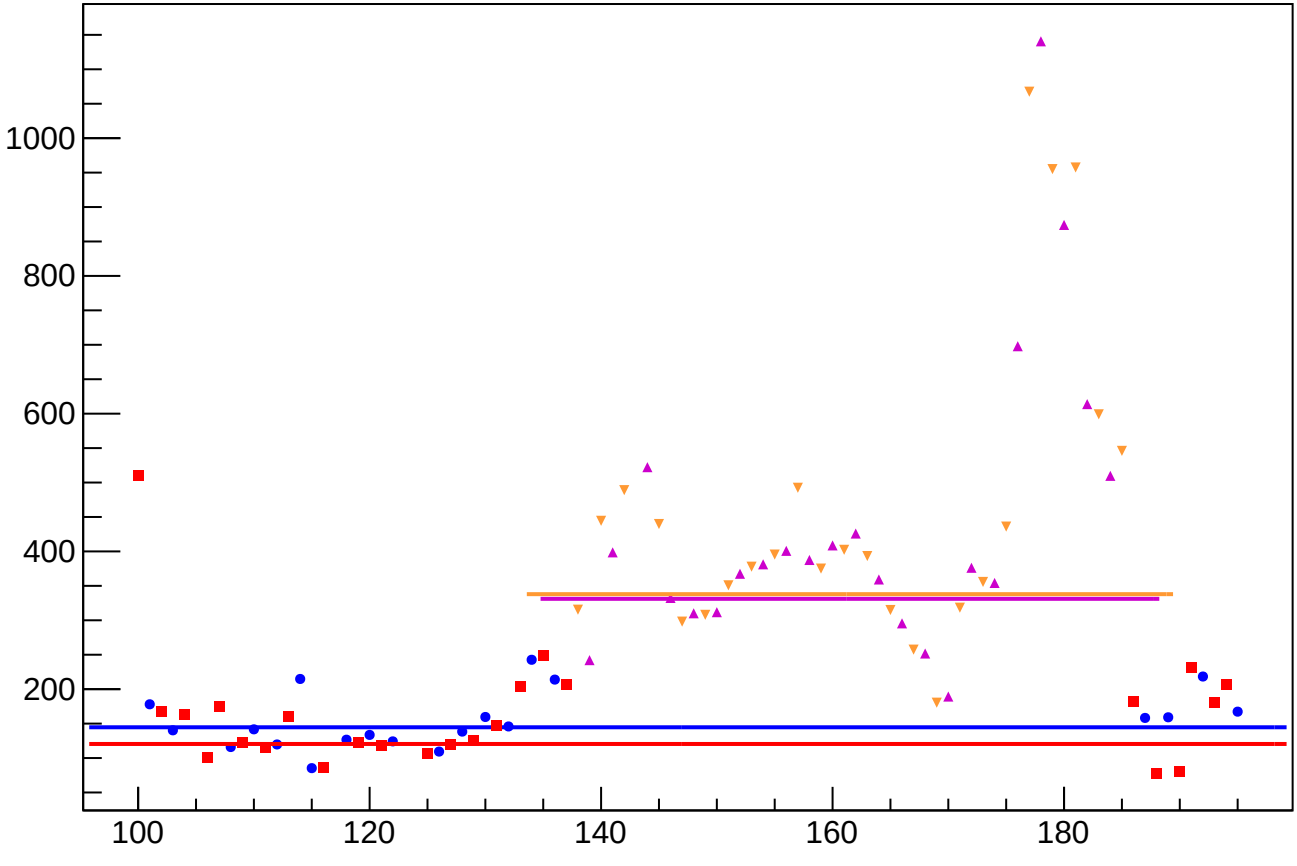
Right: -0.004+/-0.031 χ^2/NDF: 52.2/43

In: -0.052+/-0.042 χ^2/NDF:45.1/42

Out: 0.008+/-0.037 χ^2/NDF:64.2/47

All: -0.018+/-0.028 χ^2/NDF: 110.5/90

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.664+/-0.035 χ^2/NDF: 977741.3/19

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 120.423+/-0.029 χ^2/NDF: 2242087.1/23

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

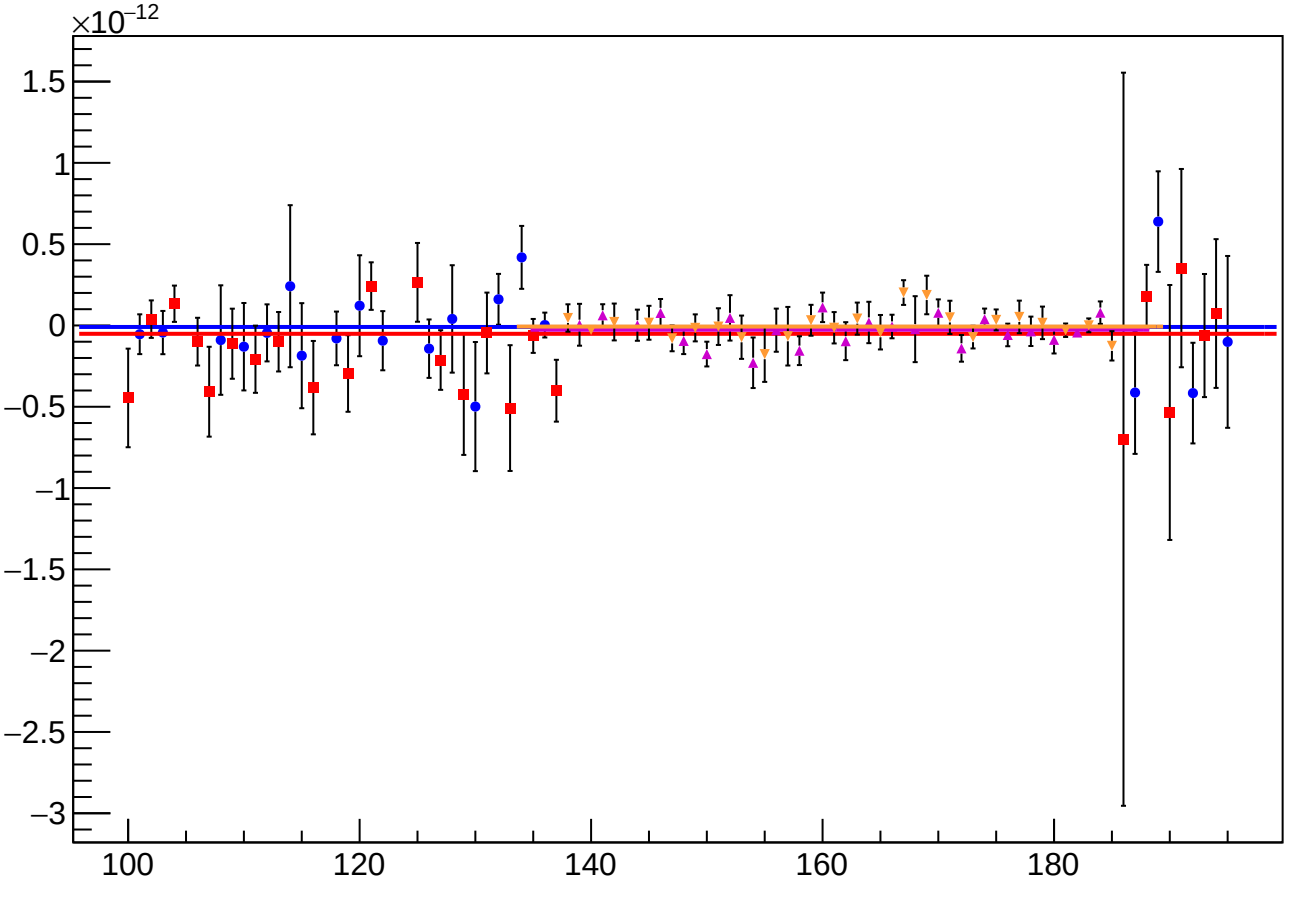
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 130.245+/-0.022 χ^2/NDF: 3509150.9/43

In: 192.733+/-0.030 χ^2/NDF:12505342.8/42

Out: 160.424+/-0.026 χ^2/NDF:17332864.1/47

All: 174.260+/-0.020 χ^2/NDF: 30503824.0/90



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/23

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

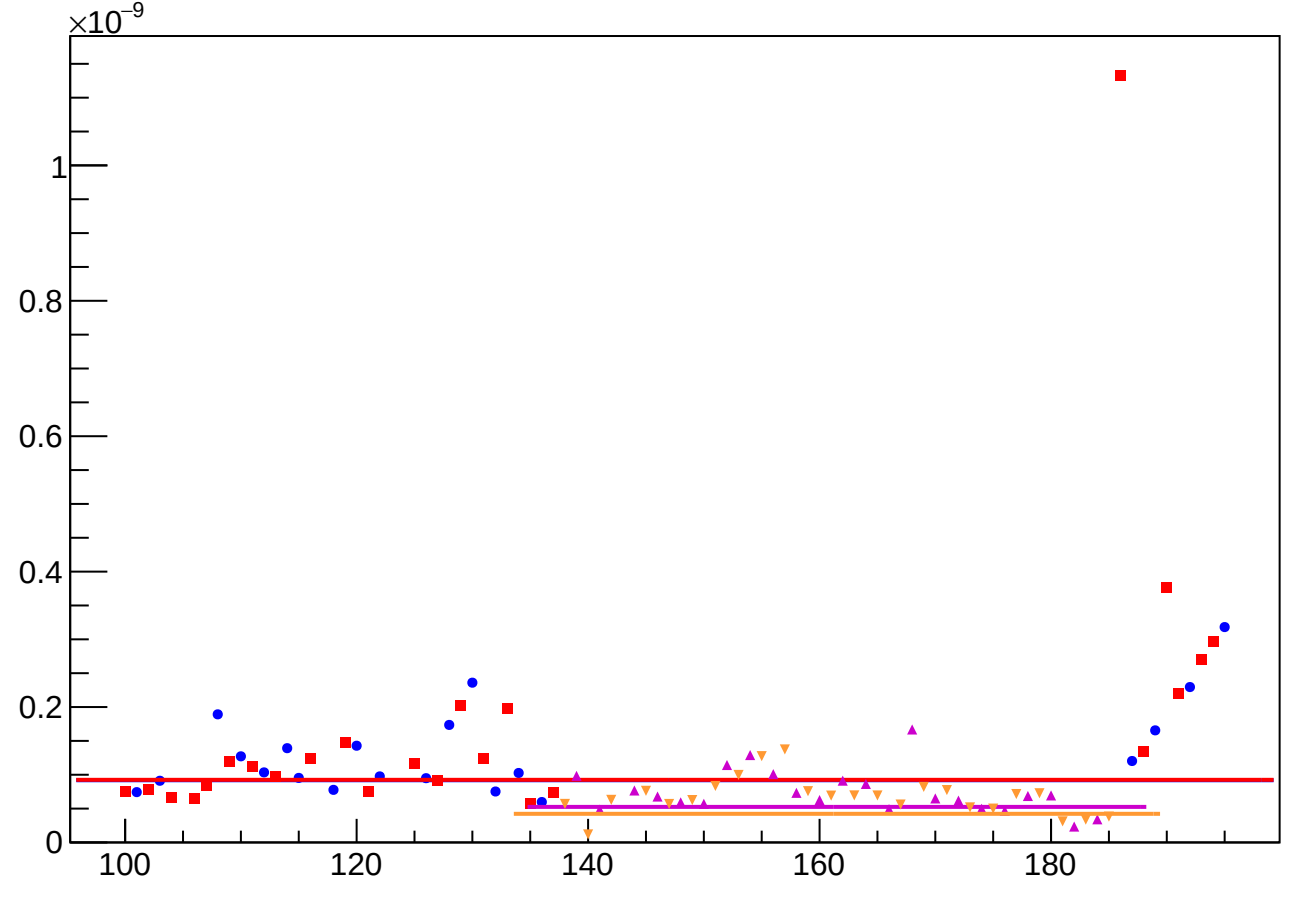
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 42.2/43

In: -0.000+/-0.000 χ^2/NDF:40.1/42

Out: -0.000+/-0.000 χ^2/NDF:43.8/47

All: -0.000+/-0.000 χ^2/NDF: 84.2/90



Right In: 0.000+/-0.000 χ^2/NDF: 1996475.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2751616.8/23

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

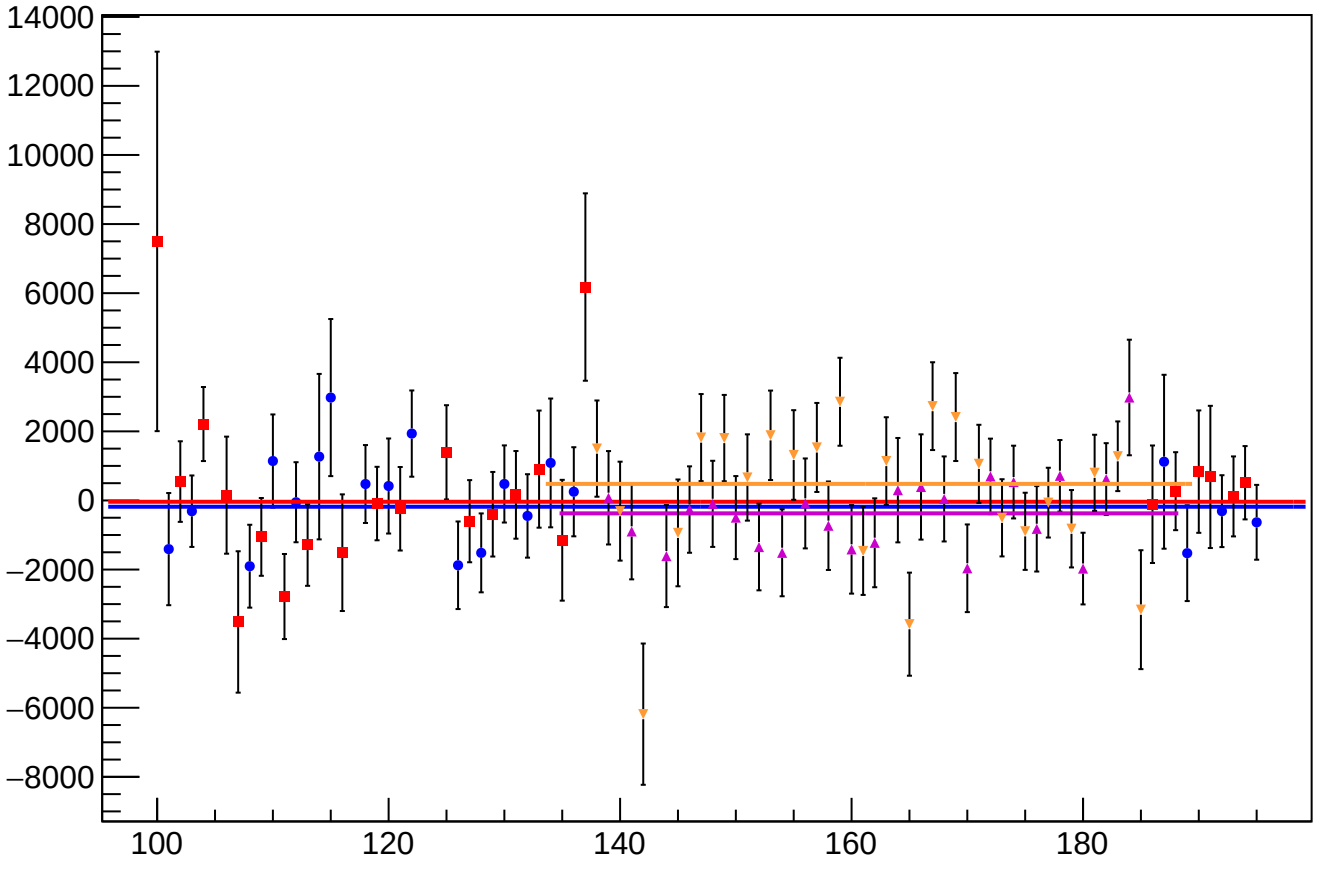
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 4748324.2/43

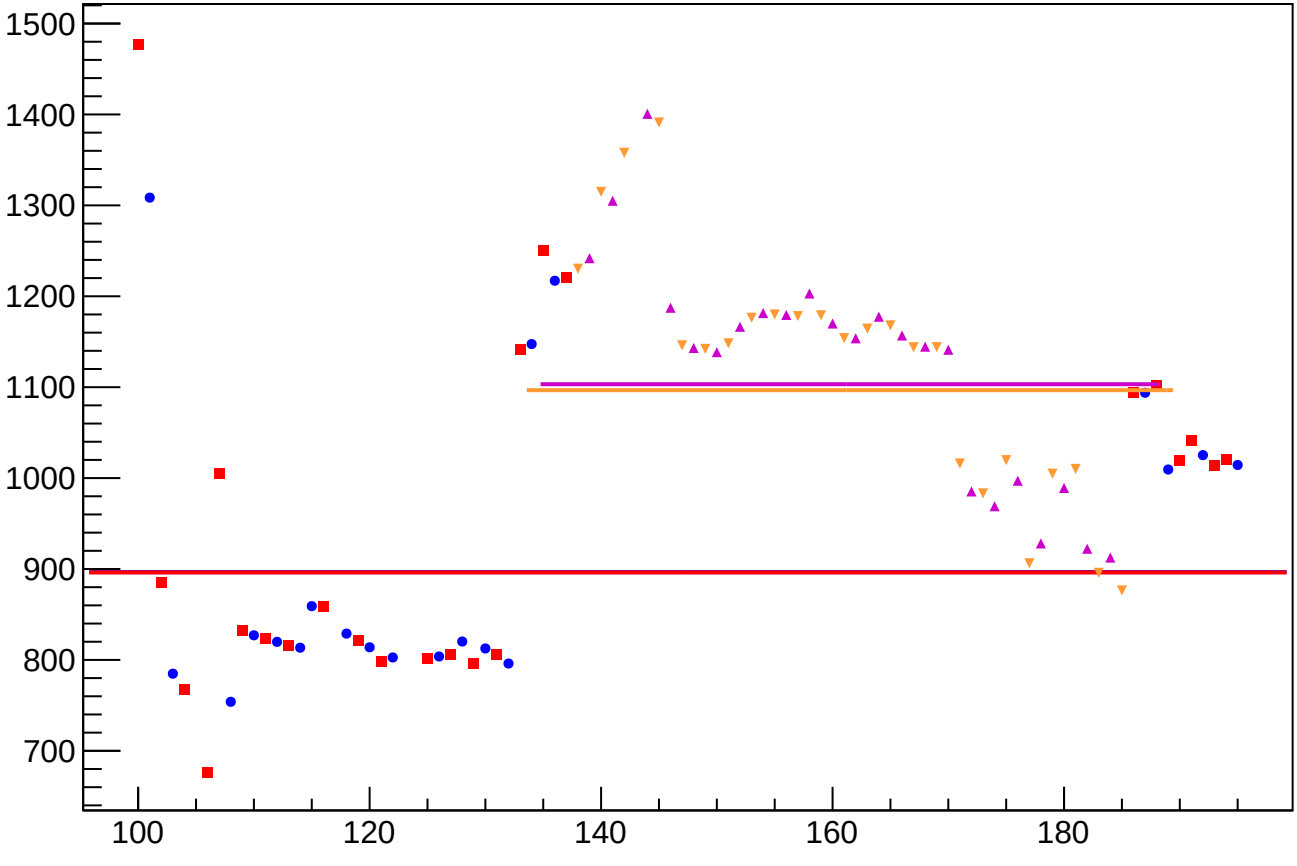
In: 0.000+/-0.000 χ^2/NDF:8468553.8/42

Out: 0.000+/-0.000 χ^2/NDF:12189816.2/47

All: 0.000+/-0.000 χ^2/NDF: 21129365.4/90


reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
Right In: -181.901+/-290.484 χ²/NDF: 14.9/19
Left Out: 479.555+/-256.330 χ²/NDF:45.2/23
Right Out: -37.940+/-277.608 χ²/NDF: 25.3/23
Left In: -372.926+/-259.314 χ²/NDF:16.0/22
Left: 58.248+/-182.298 χ²/NDF: 66.7/46
Right: -106.660+/-200.696 χ²/NDF: 40.2/43
In: -288.209+/-193.448 χ²/NDF:31.1/42
Out: 241.398+/-188.326 χ²/NDF:72.3/47
All: -16.302+/-134.941 χ²/NDF: 107.3/90

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 896.573+/-0.205 χ^2/NDF: 507685.1/19

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 896.248+/-0.194 χ^2/NDF: 519704.2/23

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

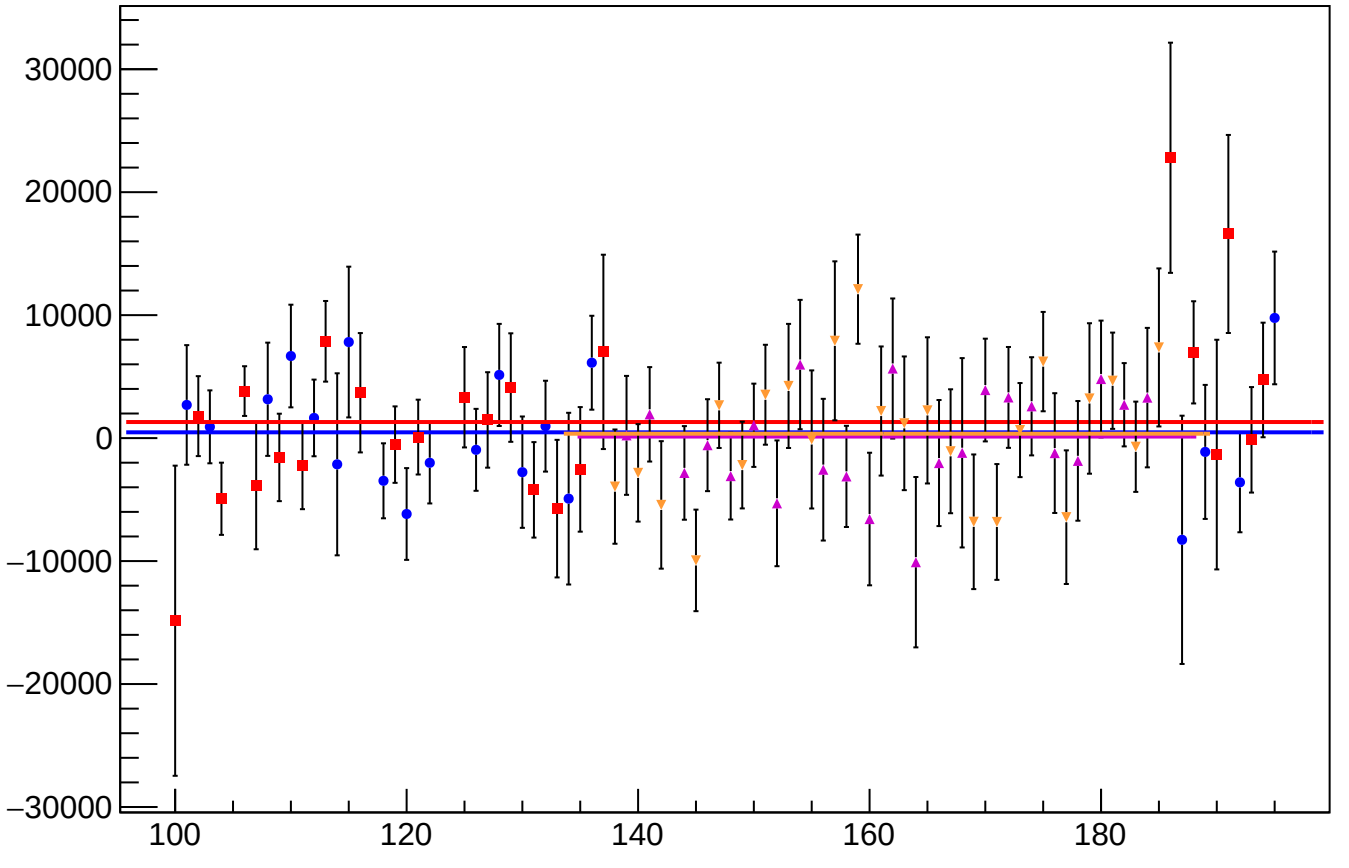
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 896.402+/-0.141 χ^2/NDF: 1027390.6/43

In: 1011.608+/-0.137 χ^2/NDF:1518830.2/42

Out: 1003.531+/-0.133 χ^2/NDF:1568781.5/47

All: 1007.444+/-0.095 χ^2/NDF: 3089409.2/90



Right In: 470.564+/-921.759 χ^2/NDF: 19.5/19

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1307.634+/-807.605 χ^2/NDF: 32.0/23

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

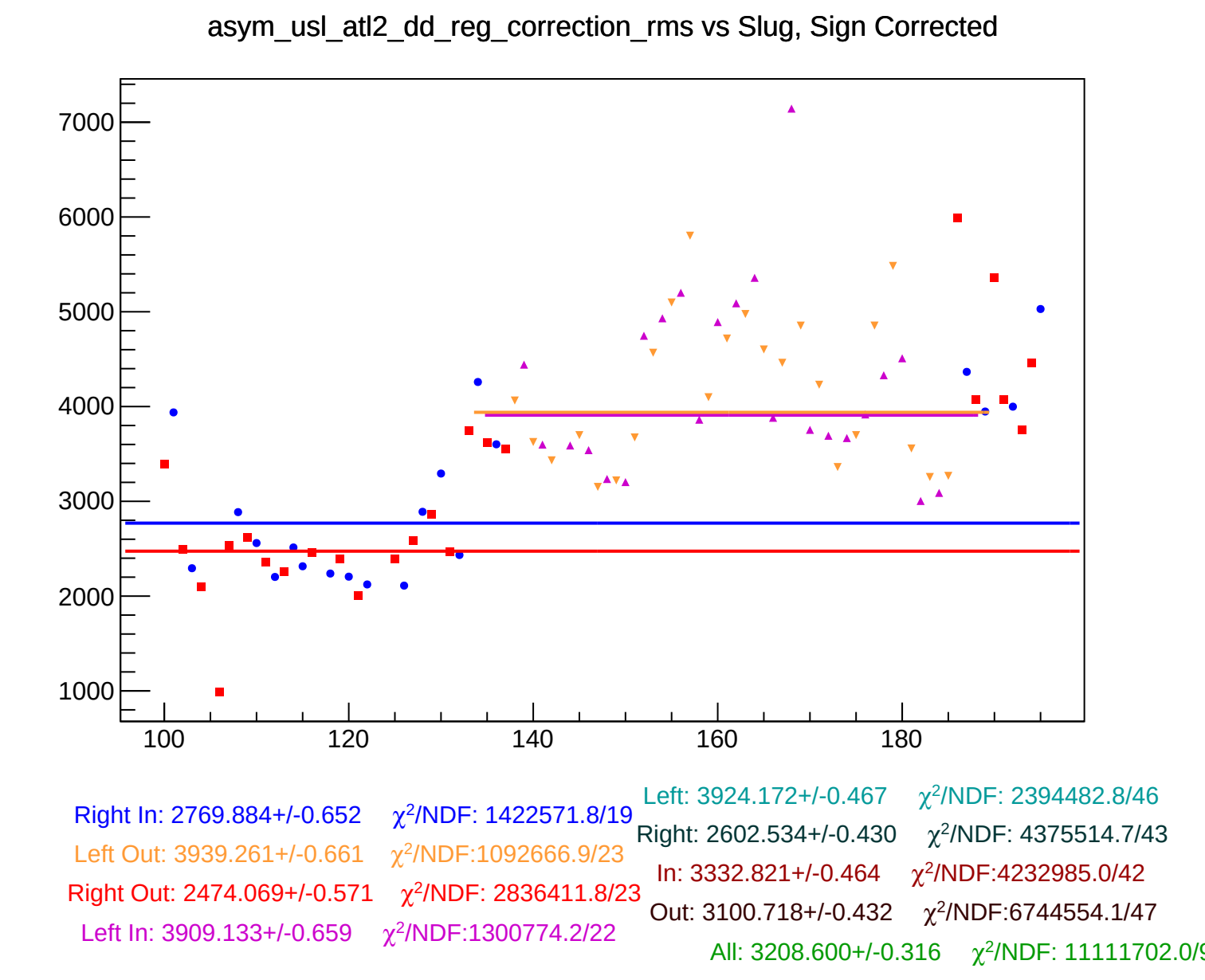
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

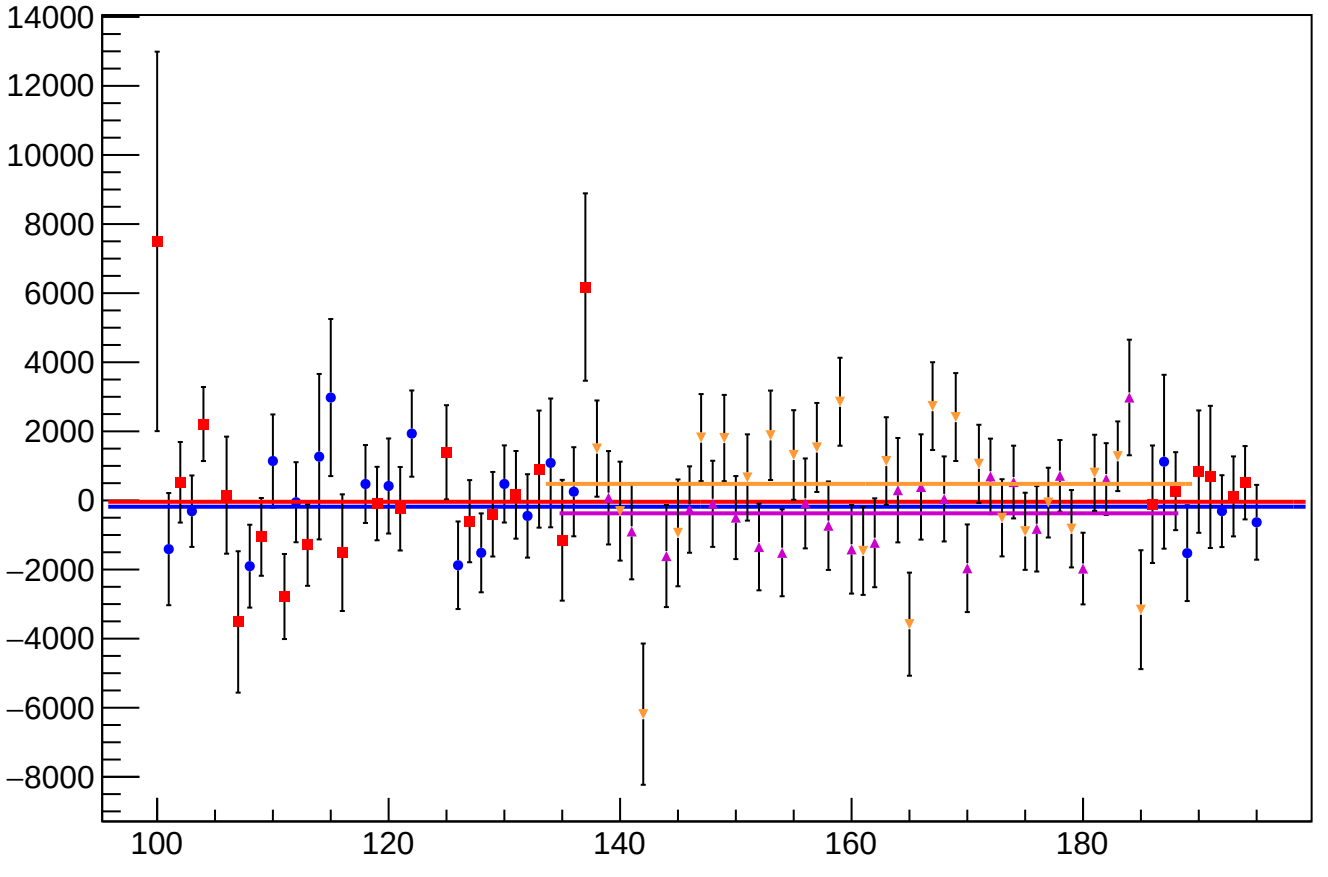
Right: 944.114+/-607.437 χ^2/NDF: 51.9/43

In: 300.649+/-655.597 χ^2/NDF:33.3/42

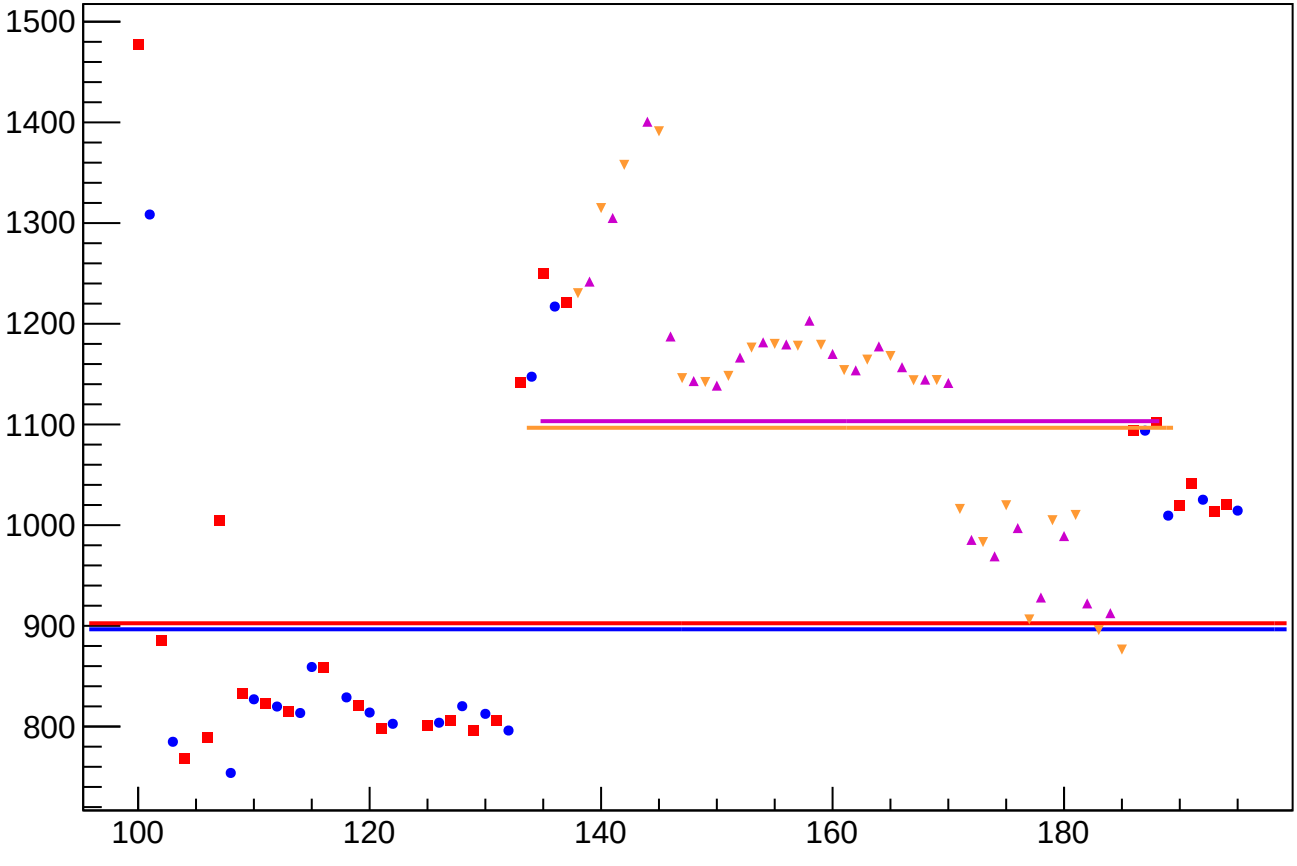
Out: 901.368+/-610.962 χ^2/NDF:62.9/47

All: 622.152+/-446.963 χ^2/NDF: 96.6/90


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 2769.884+/-0.652 χ²/NDF: 1422571.8/19
Left Out: 3939.261+/-0.661 χ²/NDF:1092666.9/23
Right Out: 2474.069+/-0.571 χ²/NDF: 2836411.8/23
Left In: 3909.133+/-0.659 χ²/NDF:1300774.2/22
Left: 3924.172+/-0.467 χ²/NDF: 2394482.8/46
Right: 2602.534+/-0.430 χ²/NDF: 4375514.7/43
In: 3332.821+/-0.464 χ²/NDF:4232985.0/42
Out: 3100.718+/-0.432 χ²/NDF:6744554.1/47
All: 3208.600+/-0.316 χ²/NDF: 11111702.0/9


cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
Right In: -181.952+/-290.484 χ²/NDF: 14.9/19
Left Out: 479.583+/-256.330 χ²/NDF:45.2/23
Right Out: -39.144+/-277.611 χ²/NDF: 25.3/23
Left In: -372.901+/-259.314 χ²/NDF:16.0/22
Left: 58.275+/-182.298 χ²/NDF: 66.7/46
Right: -107.314+/-200.697 χ²/NDF: 40.2/43
In: -288.217+/-193.448 χ²/NDF:31.1/42
Out: 240.862+/-188.327 χ²/NDF:72.3/47
All: -16.583+/-134.941 χ²/NDF: 107.3/90

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 896.572+/-0.205 χ^2/NDF: 507684.8/19

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 902.555+/-0.196 χ^2/NDF: 471427.5/23

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

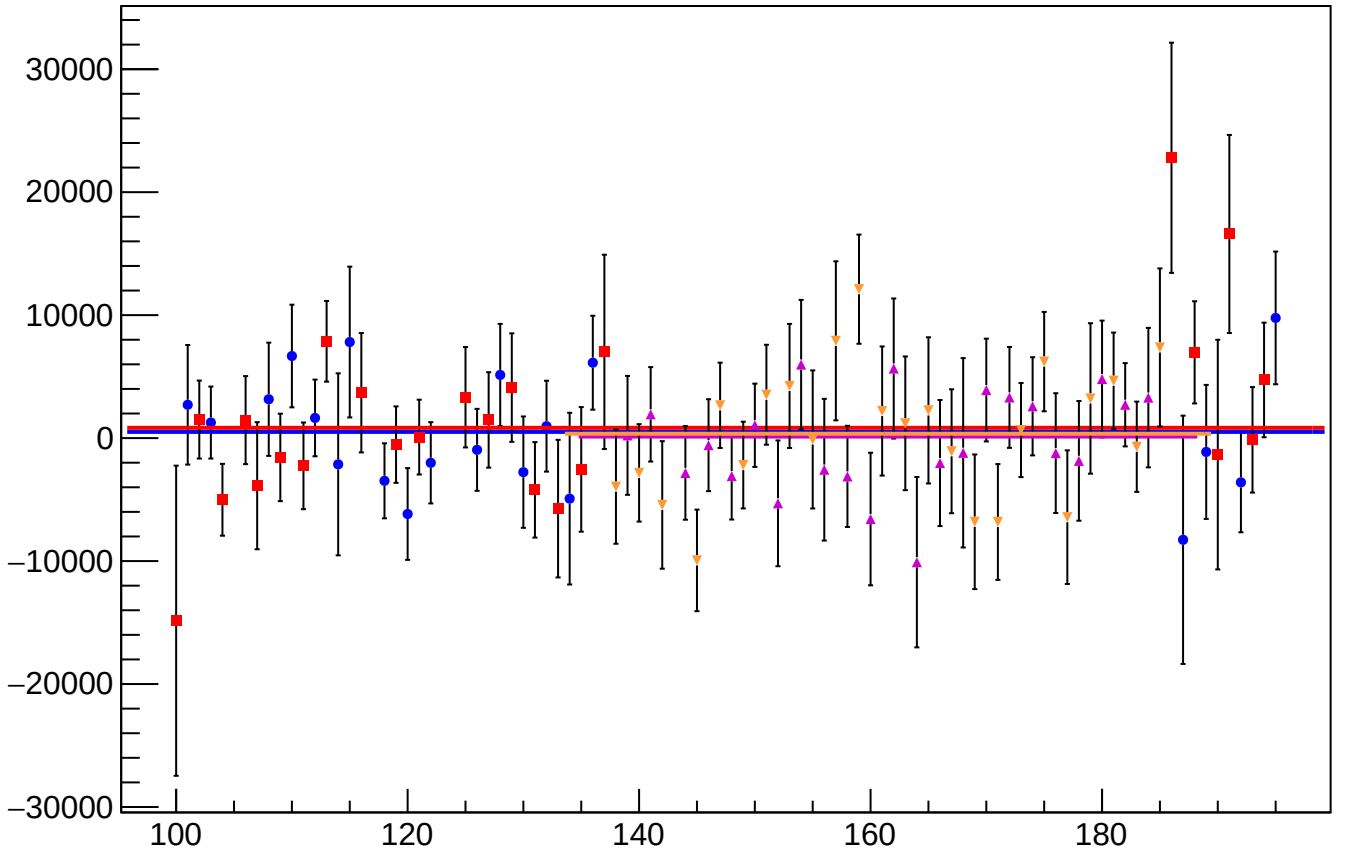
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 899.711+/-0.142 χ^2/NDF: 979557.3/43

In: 1011.608+/-0.137 χ^2/NDF:1518830.2/42

Out: 1006.987+/-0.133 χ^2/NDF:1482191.2/47

All: 1009.232+/-0.095 χ^2/NDF: 3001608.3/90



Right In: 506.456+/-920.570 χ^2/NDF: 19.5/19

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 836.697+/-853.522 χ^2/NDF: 30.3/23

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

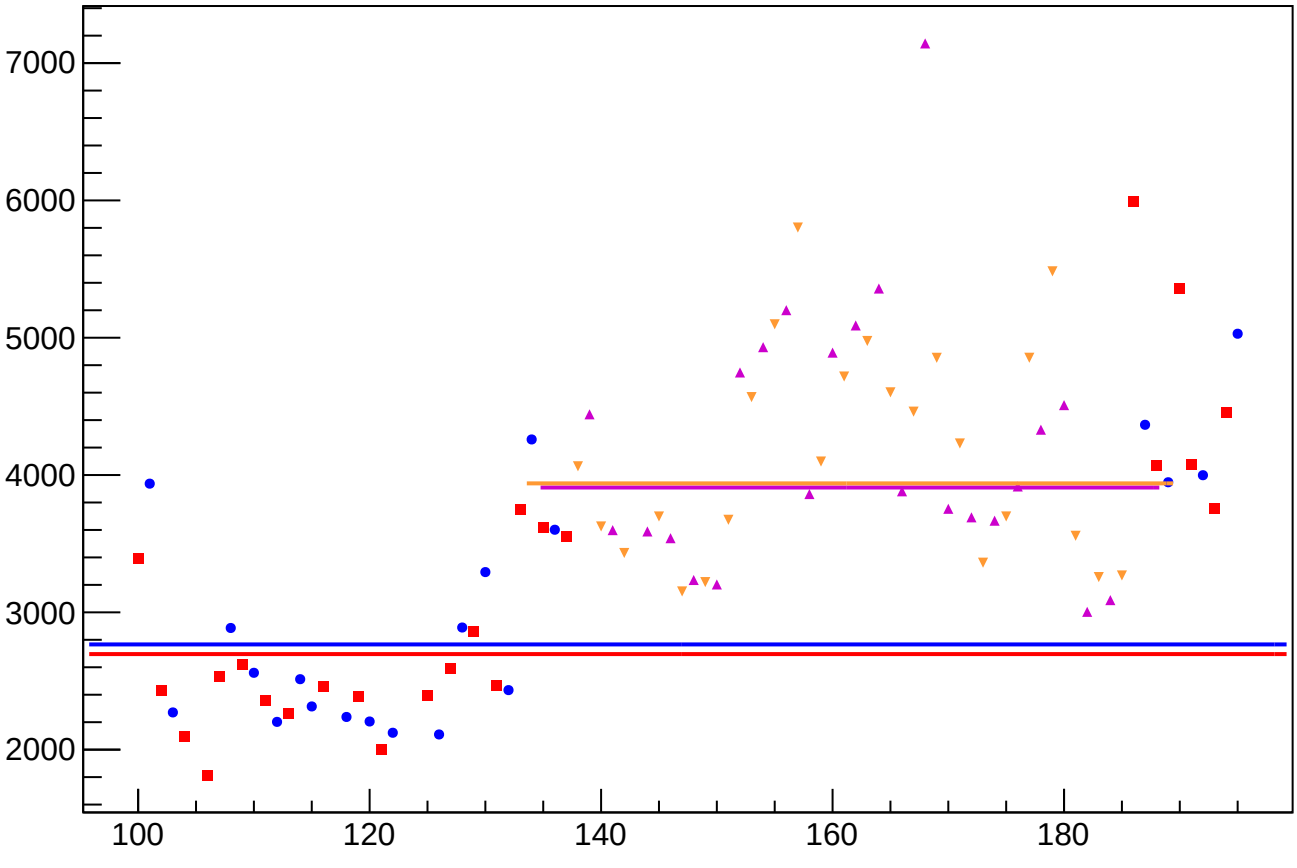
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 684.039+/-625.894 χ^2/NDF: 49.9/43

In: 319.020+/-655.169 χ^2/NDF:33.4/42

Out: 618.789+/-630.133 χ^2/NDF:60.7/47

All: 474.741+/-454.164 χ^2/NDF: 94.2/90



Right In: 2766.366+/-0.651 χ^2/NDF: 1429034.4/19

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2695.996+/-0.604 χ^2/NDF: 1690261.4/23

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

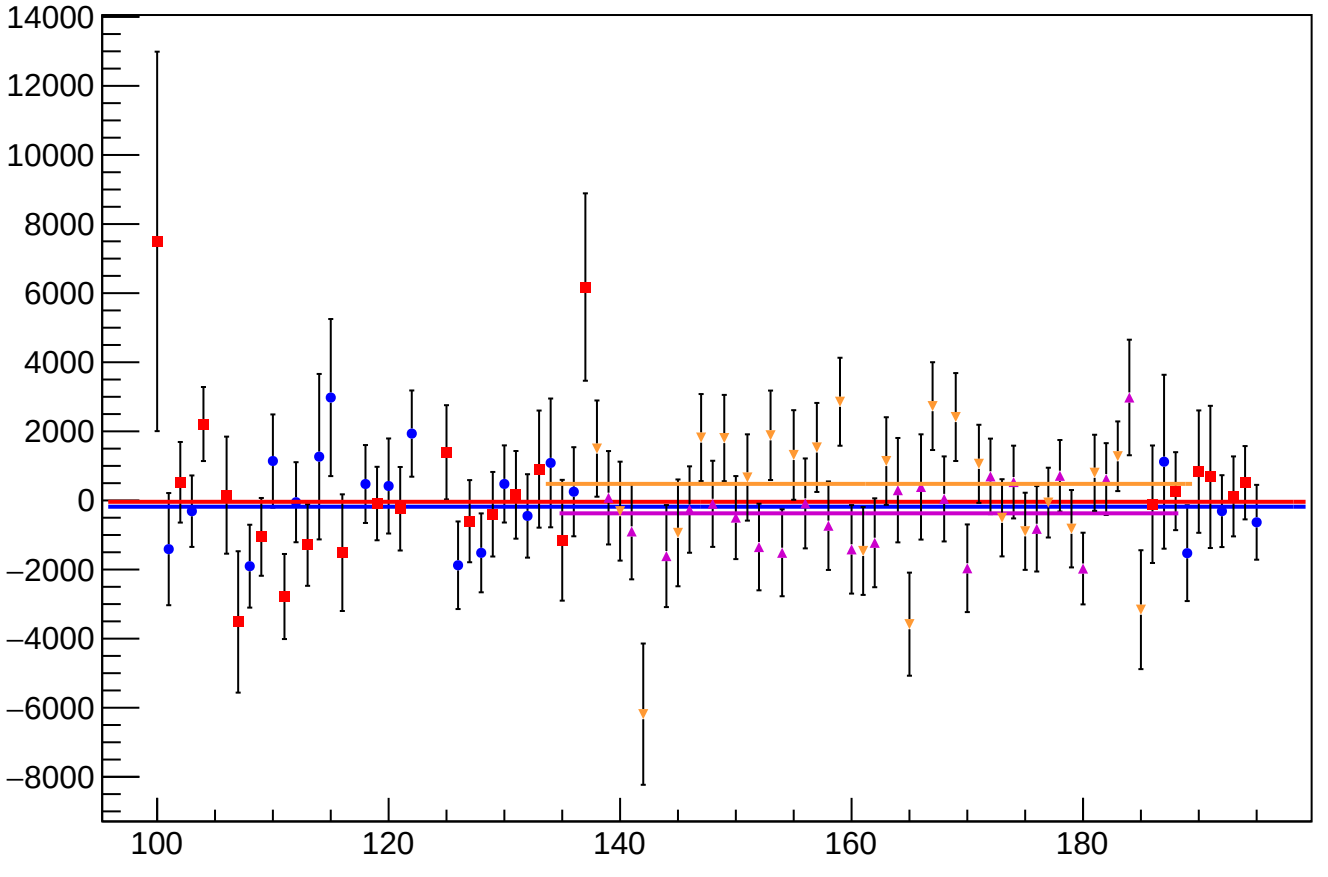
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2728.526+/-0.443 χ^2/NDF: 3125580.1/43

In: 3330.302+/-0.463 χ^2/NDF:4250719.5/42

Out: 3261.624+/-0.446 χ^2/NDF:4713536.9/47

All: 3294.626+/-0.321 χ^2/NDF: 8975672.7/90



Right In: -181.952+/-290.484 χ^2/NDF: 14.9/19

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -39.144+/-277.611 χ^2/NDF: 25.3/23

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

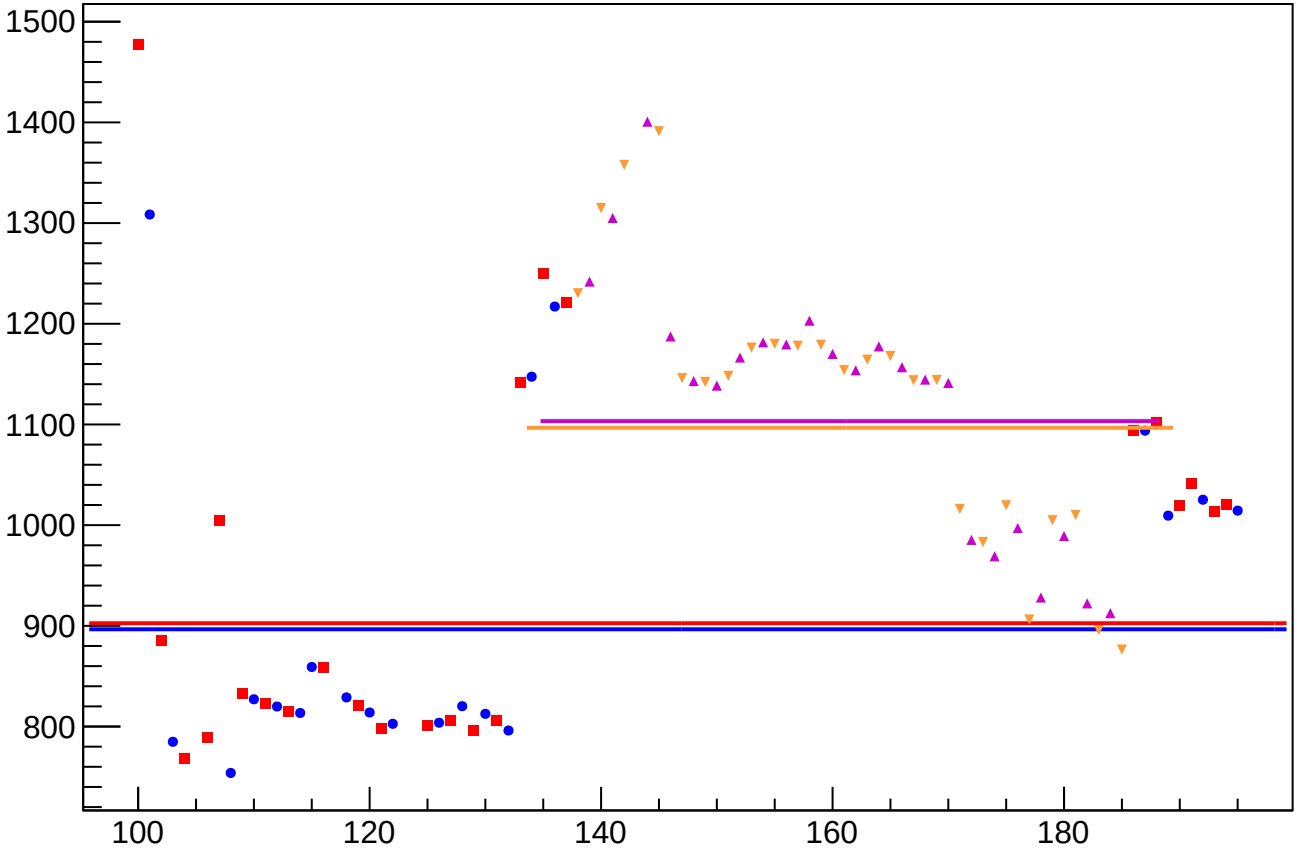
Right: -107.314+/-200.697 χ^2/NDF: 40.2/43

In: -288.217+/-193.448 χ^2/NDF:31.1/42

Out: 240.862+/-188.327 χ^2/NDF:72.3/47

All: -16.583+/-134.941 χ^2/NDF: 107.3/90

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 896.572+/-0.205 χ^2/NDF: 507684.8/19

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 902.555+/-0.196 χ^2/NDF: 471427.5/23

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

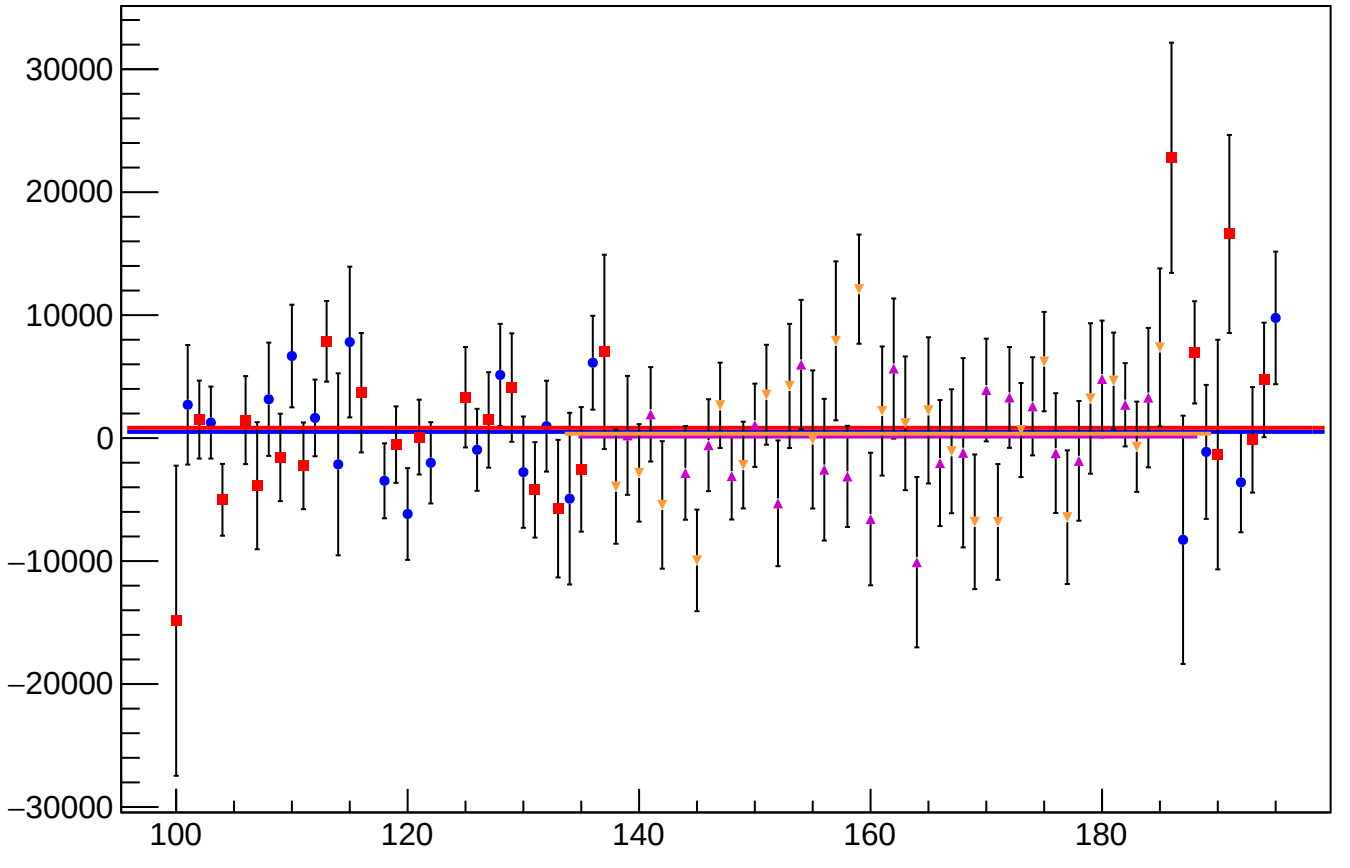
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 899.711+/-0.142 χ^2/NDF: 979557.3/43

In: 1011.608+/-0.137 χ^2/NDF:1518830.2/42

Out: 1006.987+/-0.133 χ^2/NDF:1482191.2/47

All: 1009.232+/-0.095 χ^2/NDF: 3001608.3/90



Right In: 506.456+/-920.570 χ^2/NDF: 19.5/19

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 836.697+/-853.522 χ^2/NDF: 30.3/23

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

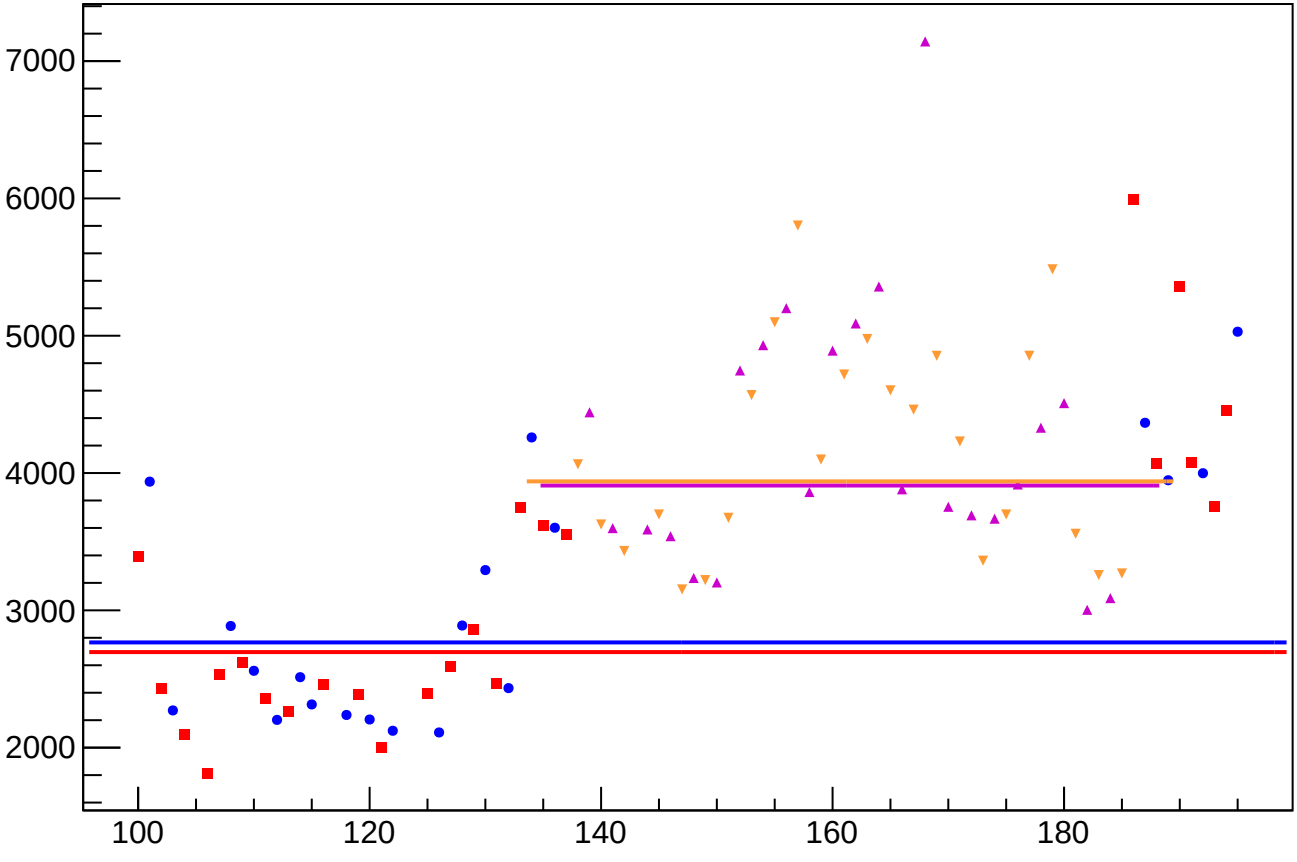
Right: 684.039+/-625.894 χ^2/NDF: 49.9/43

In: 319.020+/-655.169 χ^2/NDF:33.4/42

Out: 618.789+/-630.133 χ^2/NDF:60.7/47

All: 474.741+/-454.164 χ^2/NDF: 94.2/90

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2766.366+/-0.651 χ^2/NDF: 1429034.4/19

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2695.996+/-0.604 χ^2/NDF: 1690261.4/23

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

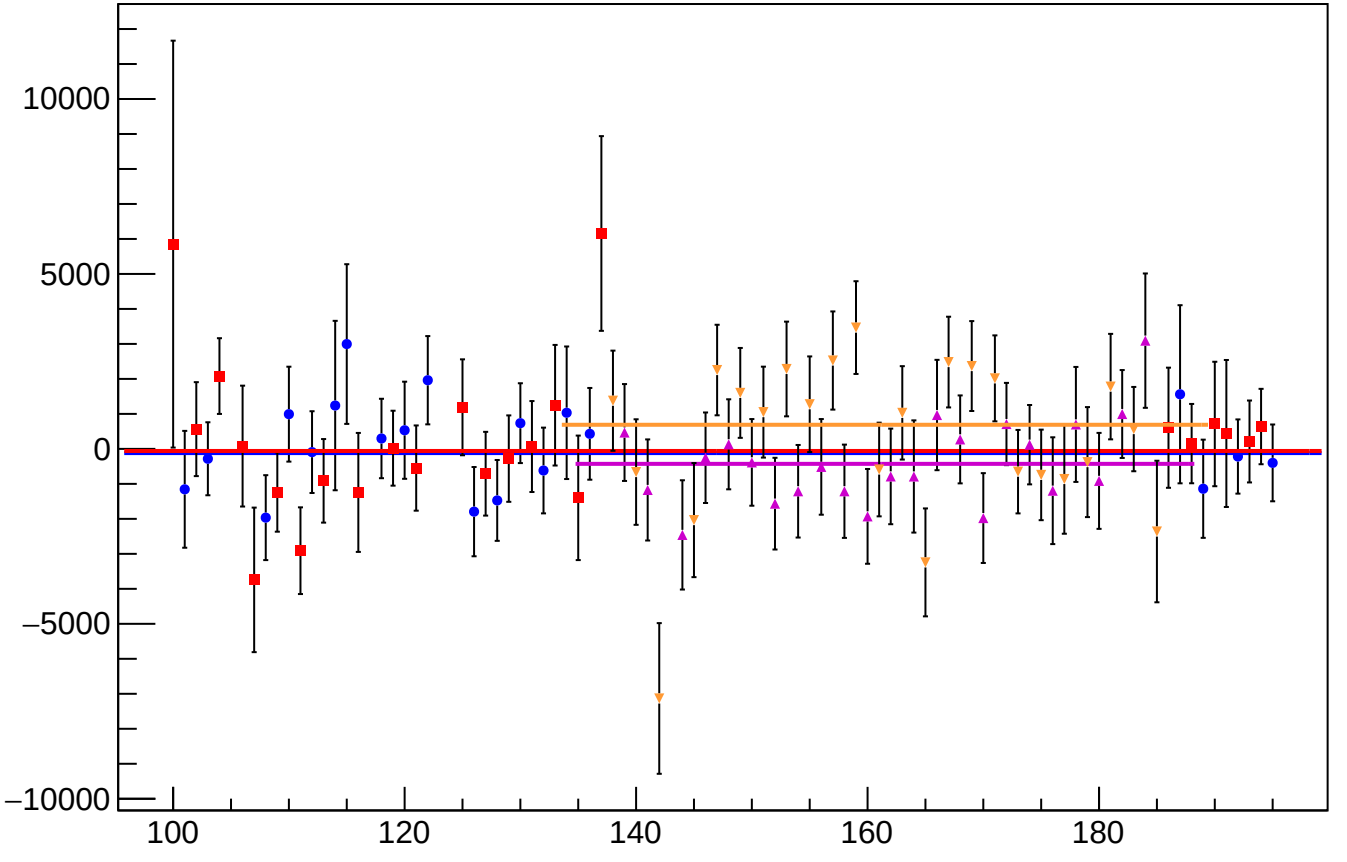
Right: 2728.526+/-0.443 χ^2/NDF: 3125580.1/43

In: 3330.302+/-0.463 χ^2/NDF:4250719.5/42

Out: 3261.624+/-0.446 χ^2/NDF:4713536.9/47

All: 3294.626+/-0.321 χ^2/NDF: 8975672.7/90

dit_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -120.194+/-294.128 χ^2/NDF: 14.1/19

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -59.715+/-282.360 χ^2/NDF: 24.1/23

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

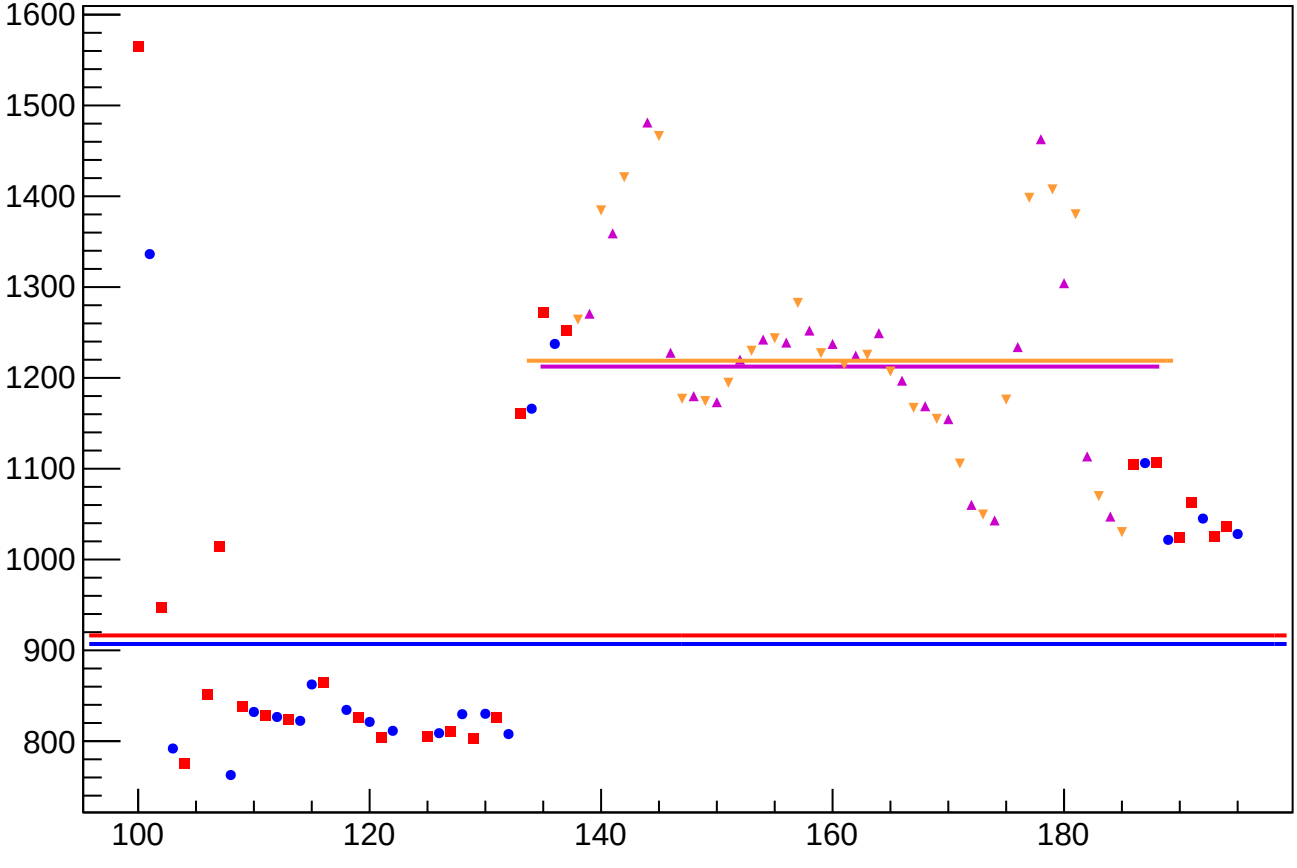
Right: -88.721+/-203.692 χ^2/NDF: 38.2/43

In: -279.308+/-204.447 χ^2/NDF:29.2/42

Out: 312.007+/-200.372 χ^2/NDF:73.3/47

All: 22.302+/-143.104 χ^2/NDF: 106.8/90

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 906.994+/-0.208 χ^2/NDF: 522197.5/19

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 916.410+/-0.200 χ^2/NDF: 475937.2/23

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

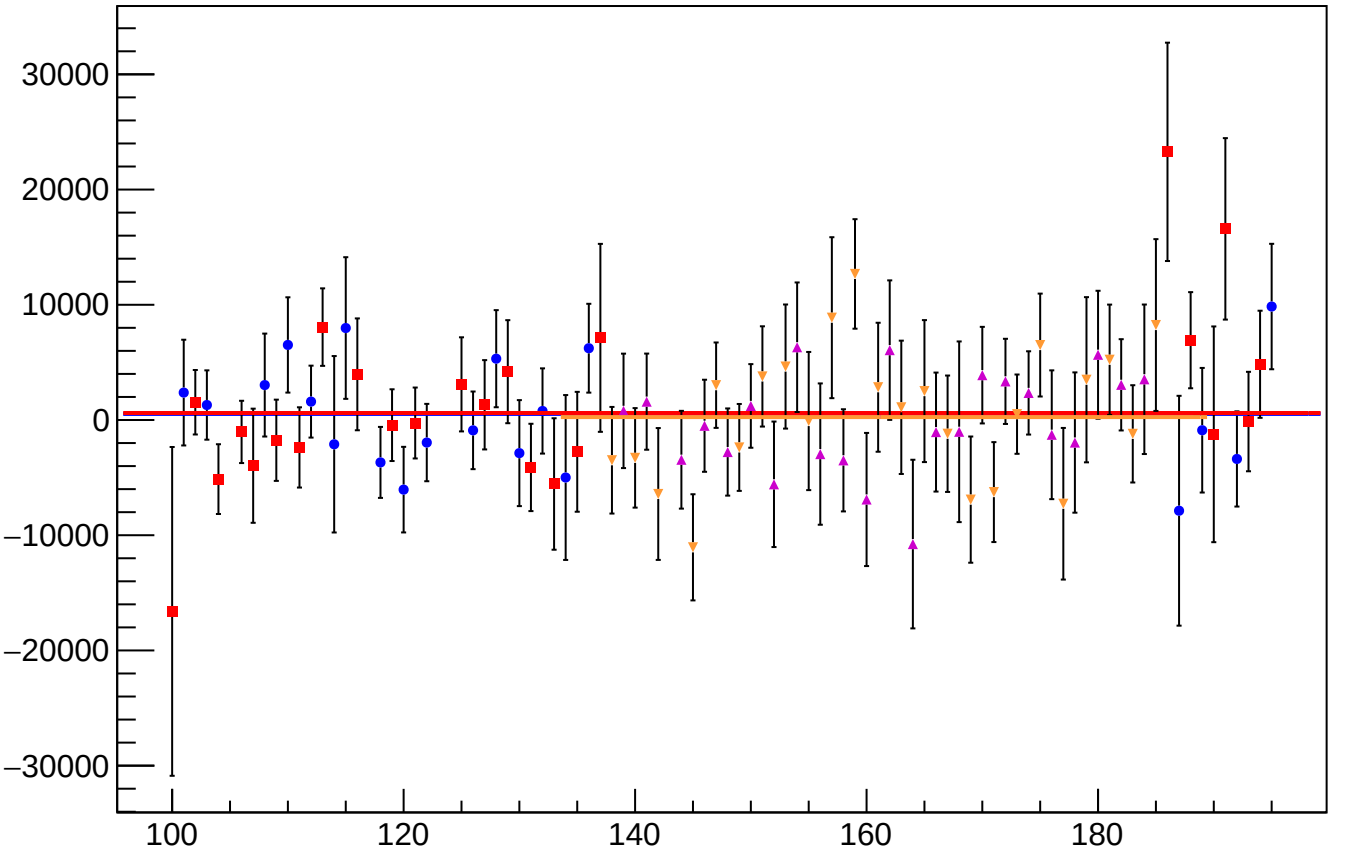
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 911.898+/-0.144 χ^2/NDF: 999202.1/43

In: 1064.865+/-0.145 χ^2/NDF:1897330.3/42

Out: 1066.476+/-0.142 χ^2/NDF:1910304.6/47

All: 1065.687+/-0.101 χ^2/NDF: 3807698.4/90



Right In: 529.202+/-925.486 χ^2/NDF: 19.3/19

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 607.863+/-831.327 χ^2/NDF: 31.0/23

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

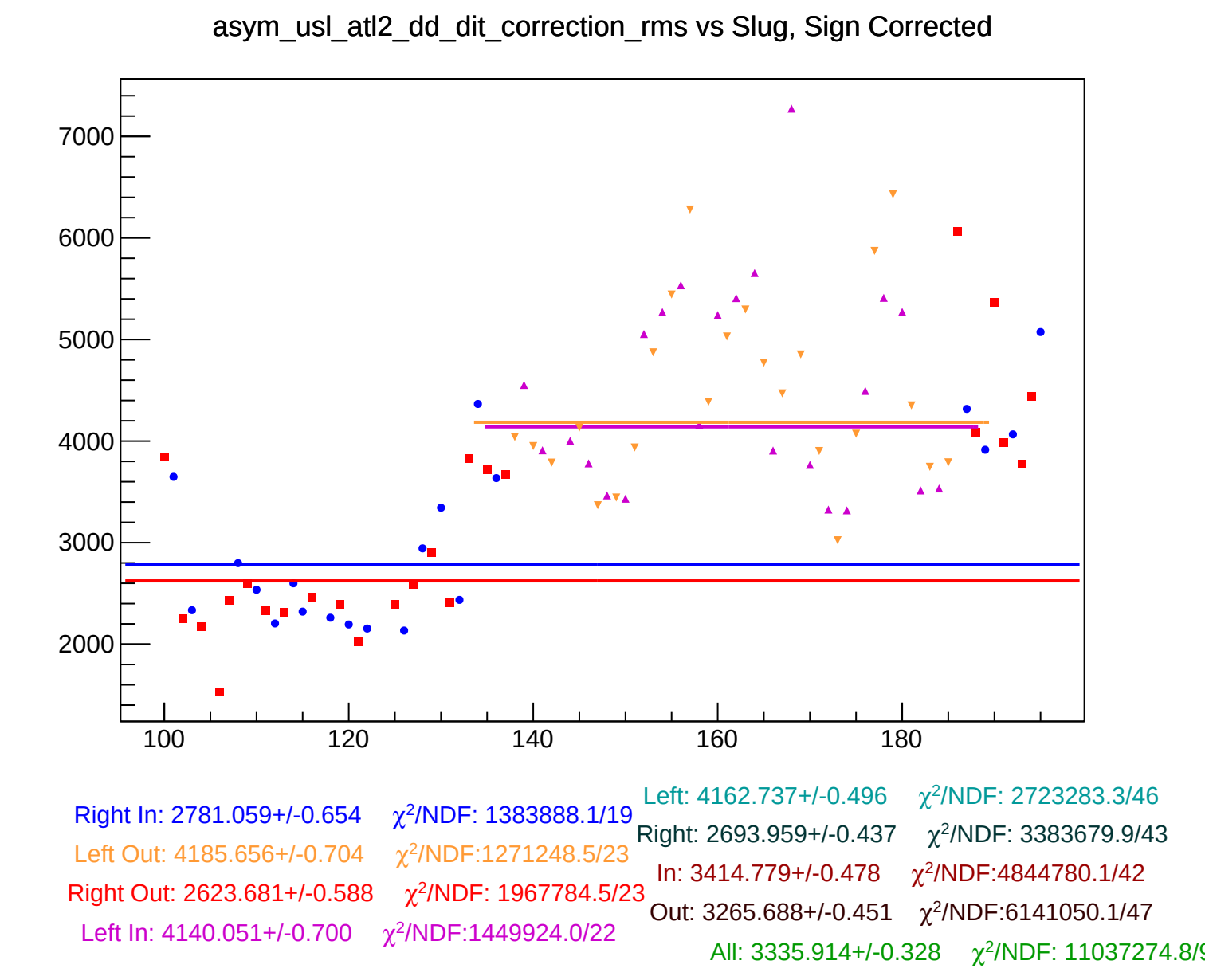
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

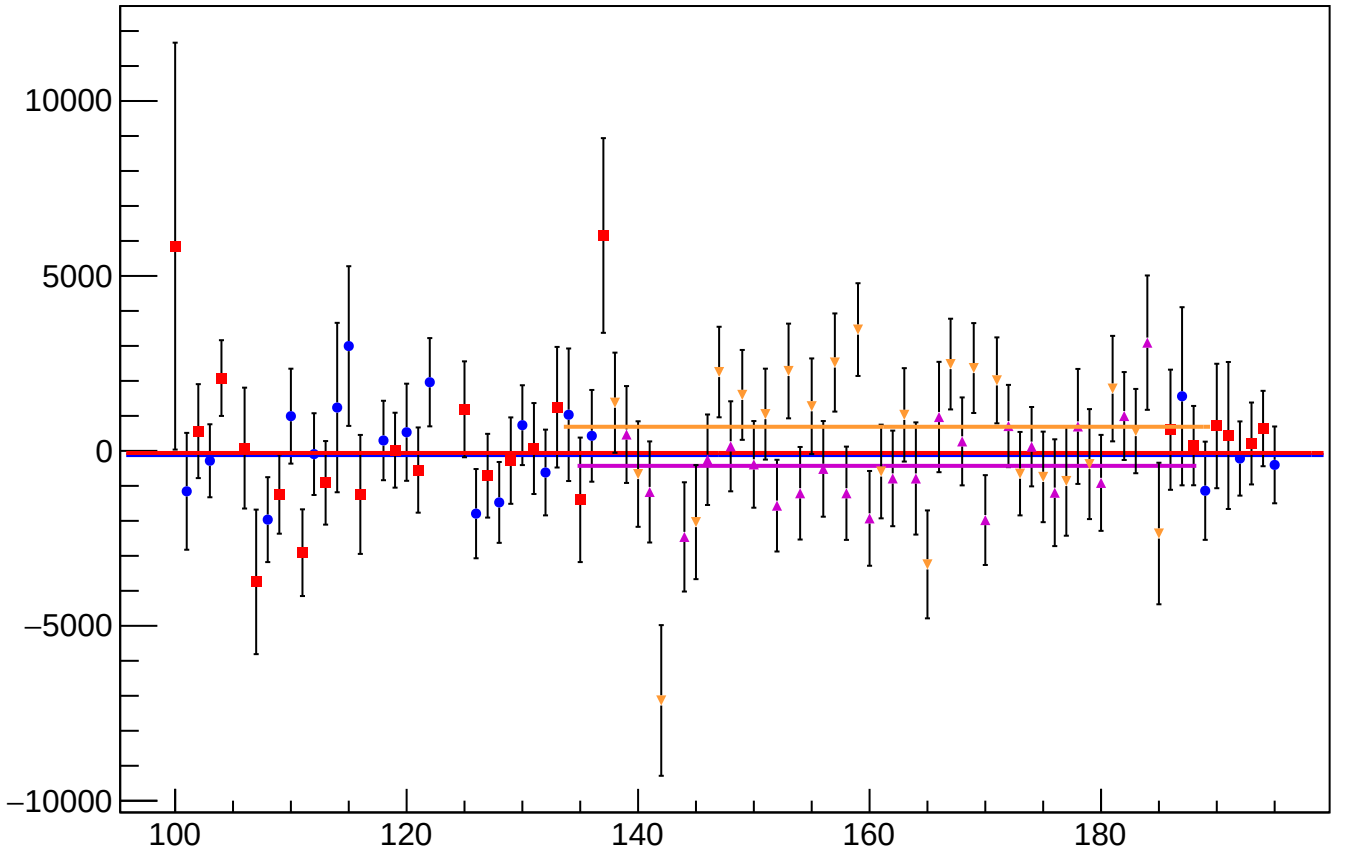
Right: 572.736+/-618.455 χ^2/NDF: 50.3/43

In: 406.576+/-676.101 χ^2/NDF:32.8/42

Out: 461.925+/-638.001 χ^2/NDF:60.8/47

All: 435.854+/-464.020 χ^2/NDF: 93.6/90


asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 2781.059+/-0.654 χ²/NDF: 1383888.1/19
Left Out: 4185.656+/-0.704 χ²/NDF:1271248.5/23
Right Out: 2623.681+/-0.588 χ²/NDF: 1967784.5/23
Left In: 4140.051+/-0.700 χ²/NDF:1449924.0/22
Left: 4162.737+/-0.496 χ²/NDF: 2723283.3/46
Right: 2693.959+/-0.437 χ²/NDF: 3383679.9/43
In: 3414.779+/-0.478 χ²/NDF:4844780.1/42
Out: 3265.688+/-0.451 χ²/NDF:6141050.1/47
All: 3335.914+/-0.328 χ²/NDF: 11037274.8/9



Right In: -120.194+/-294.128 χ^2/NDF: 14.1/19

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -59.718+/-282.361 χ^2/NDF: 24.1/23

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

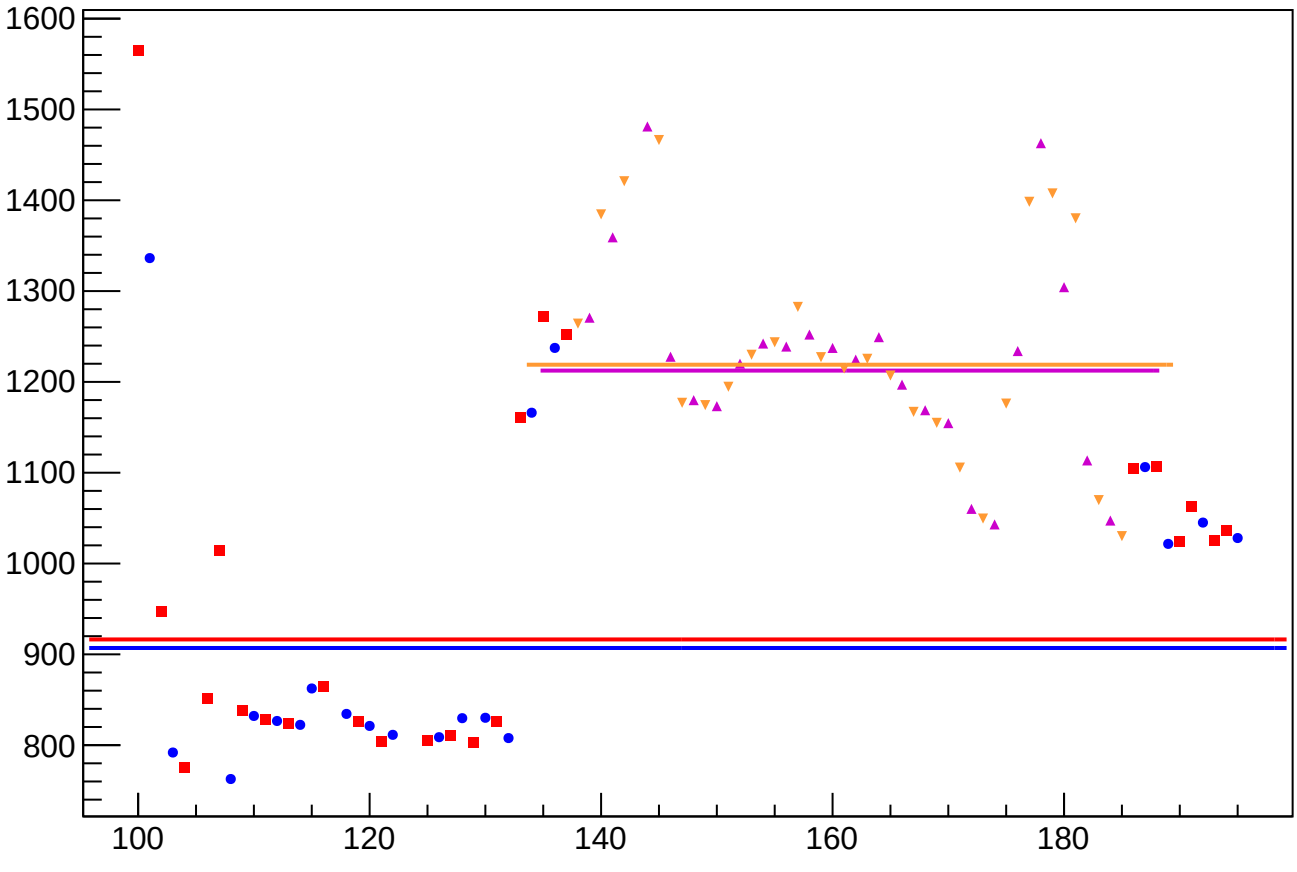
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -88.722+/-203.692 χ^2/NDF: 38.2/43

In: -279.306+/-204.448 χ^2/NDF:29.2/42

Out: 312.007+/-200.372 χ^2/NDF:73.3/47

All: 22.302+/-143.104 χ^2/NDF: 106.8/90



Right In: 906.994+/-0.208 χ^2/NDF: 522197.2/19

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 916.410+/-0.200 χ^2/NDF: 475936.9/23

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

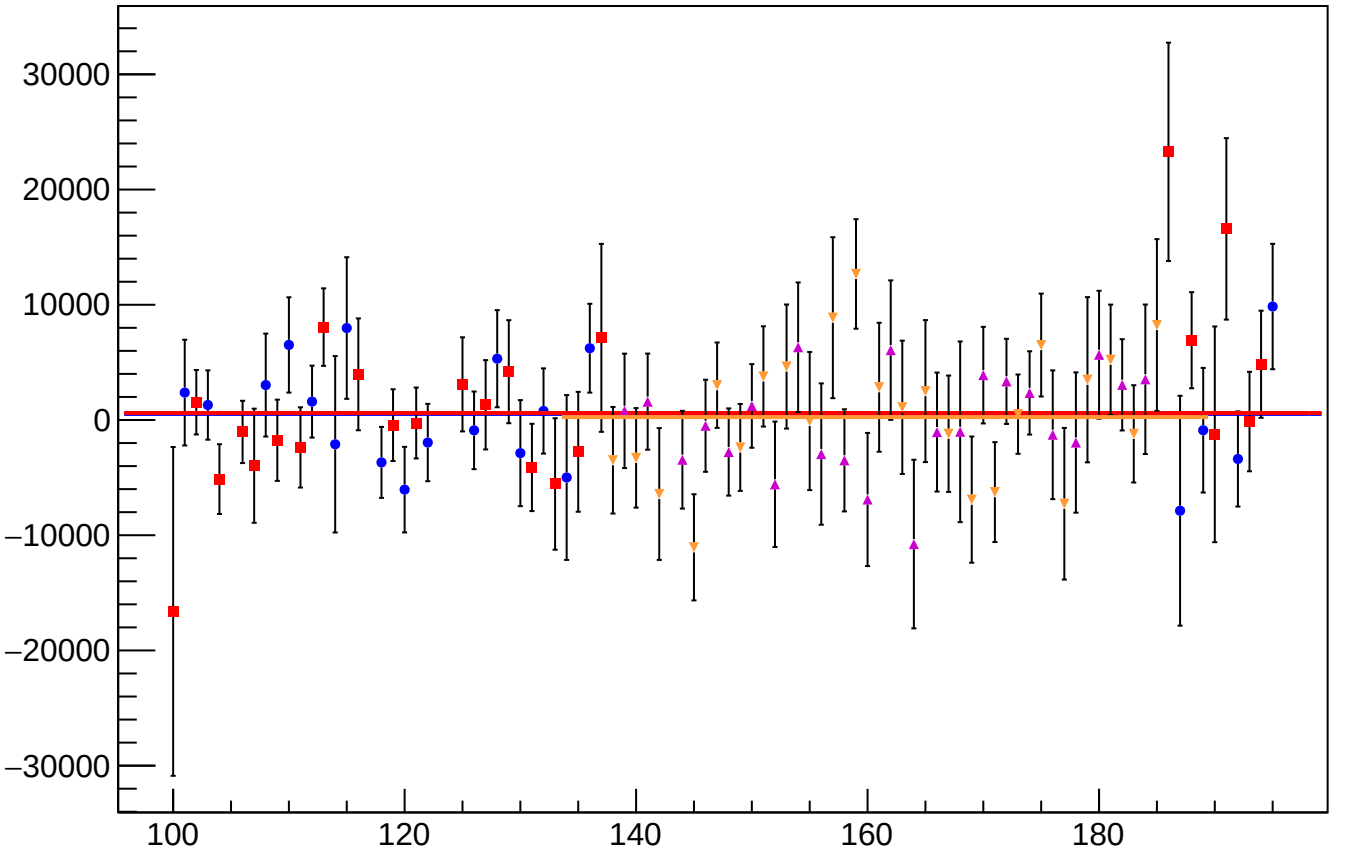
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 911.898+/-0.144 χ^2/NDF: 999201.4/43

In: 1064.865+/-0.145 χ^2/NDF:1897346.3/42

Out: 1066.476+/-0.142 χ^2/NDF:1910321.9/47

All: 1065.687+/-0.101 χ^2/NDF: 3807731.6/90



Right In: 529.198+/-925.484 χ^2/NDF: 19.3/19

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 607.858+/-831.325 χ^2/NDF: 31.0/23

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

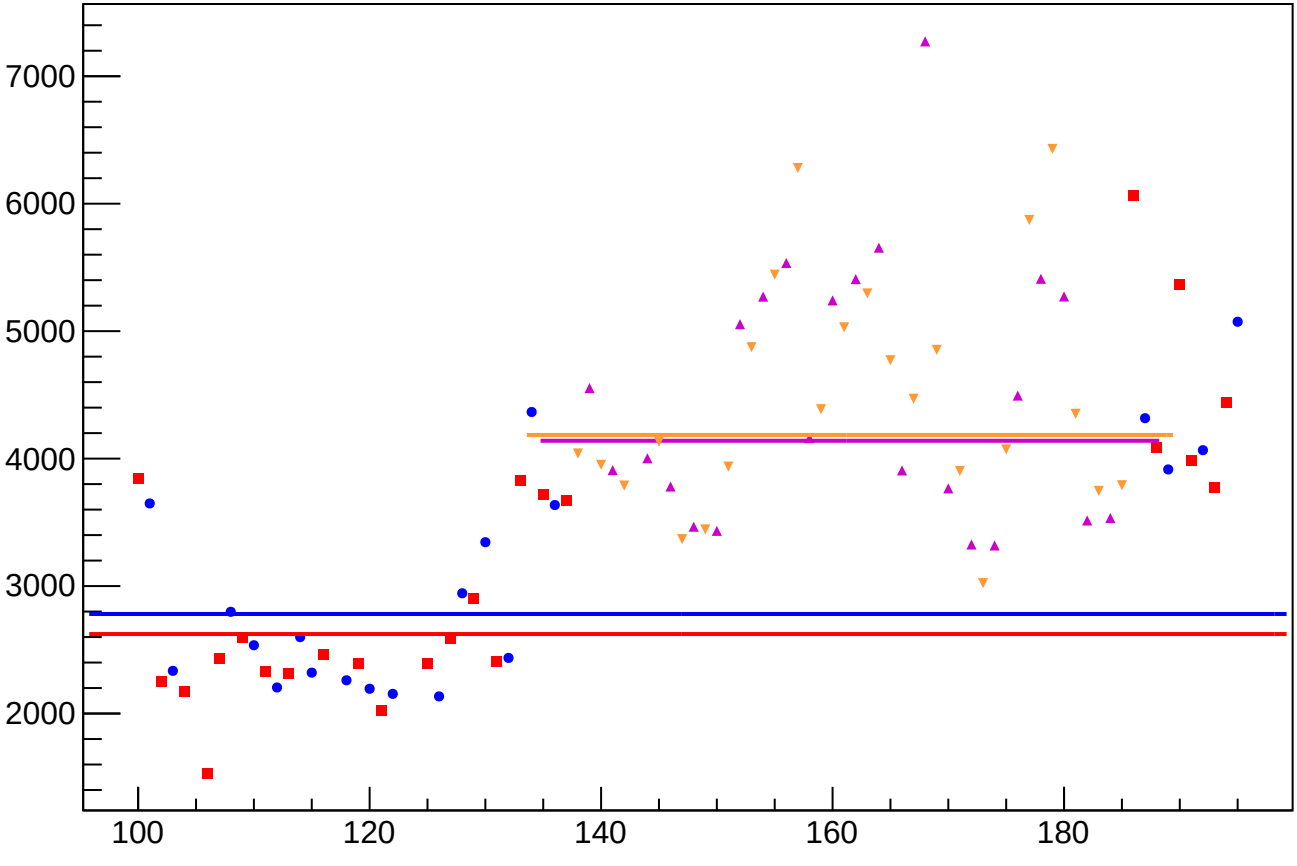
Right: 572.732+/-618.454 χ^2/NDF: 50.3/43

In: 406.575+/-676.101 χ^2/NDF:32.8/42

Out: 461.924+/-638.000 χ^2/NDF:60.8/47

All: 435.853+/-464.019 χ^2/NDF: 93.6/90

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2781.050+/-0.654 χ^2/NDF: 1383908.7/19

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2623.674+/-0.588 χ^2/NDF: 1967803.3/23

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

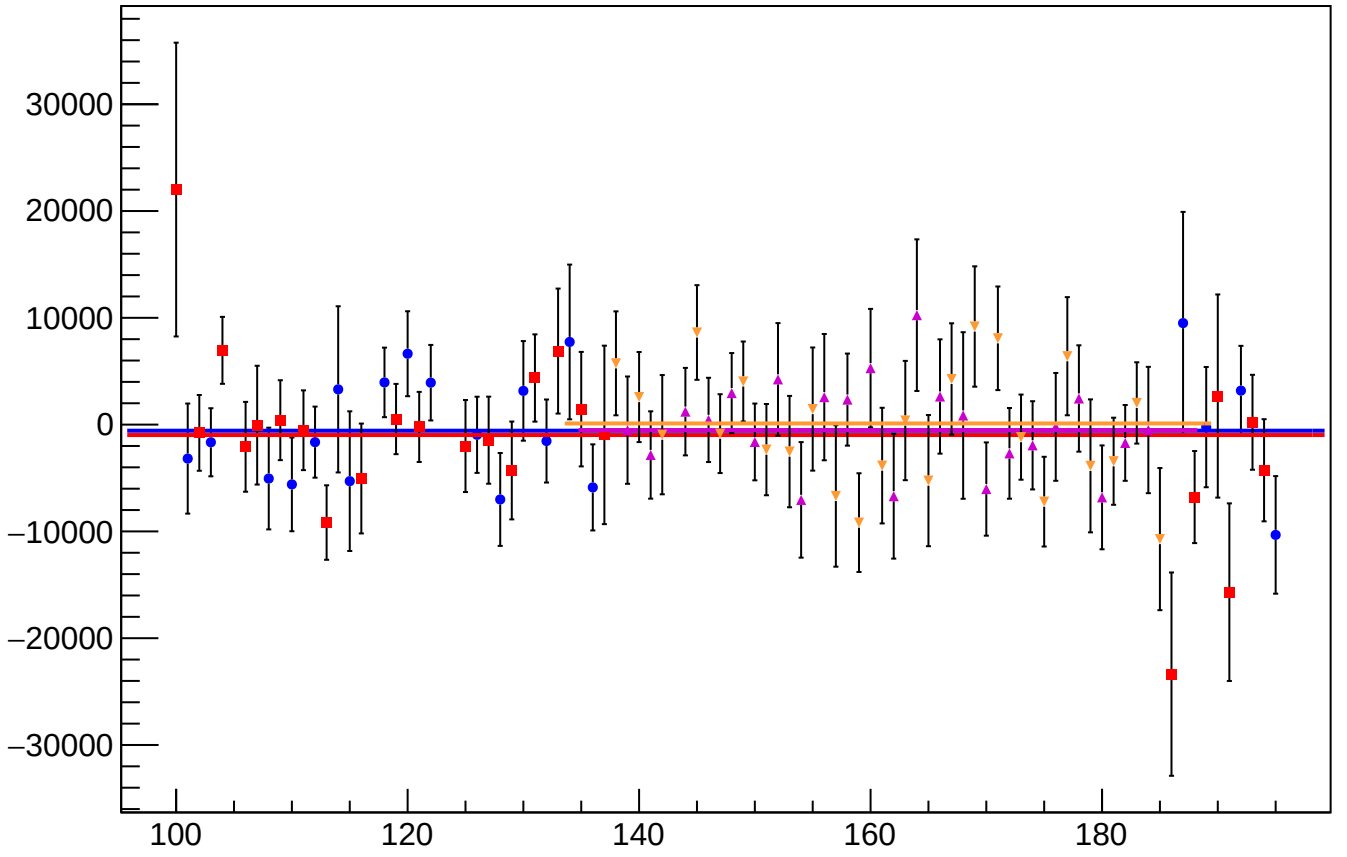
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2693.952+/-0.437 χ^2/NDF: 3383718.7/43

In: 3414.775+/-0.478 χ^2/NDF:4844848.2/42

Out: 3265.684+/-0.451 χ^2/NDF:6141120.9/47

All: 3335.911+/-0.328 χ^2/NDF: 11037413.6/9



Right In: -571.293+/-973.757 χ^2/NDF: 21.1/19

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -975.665+/-909.716 χ^2/NDF: 31.3/23

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

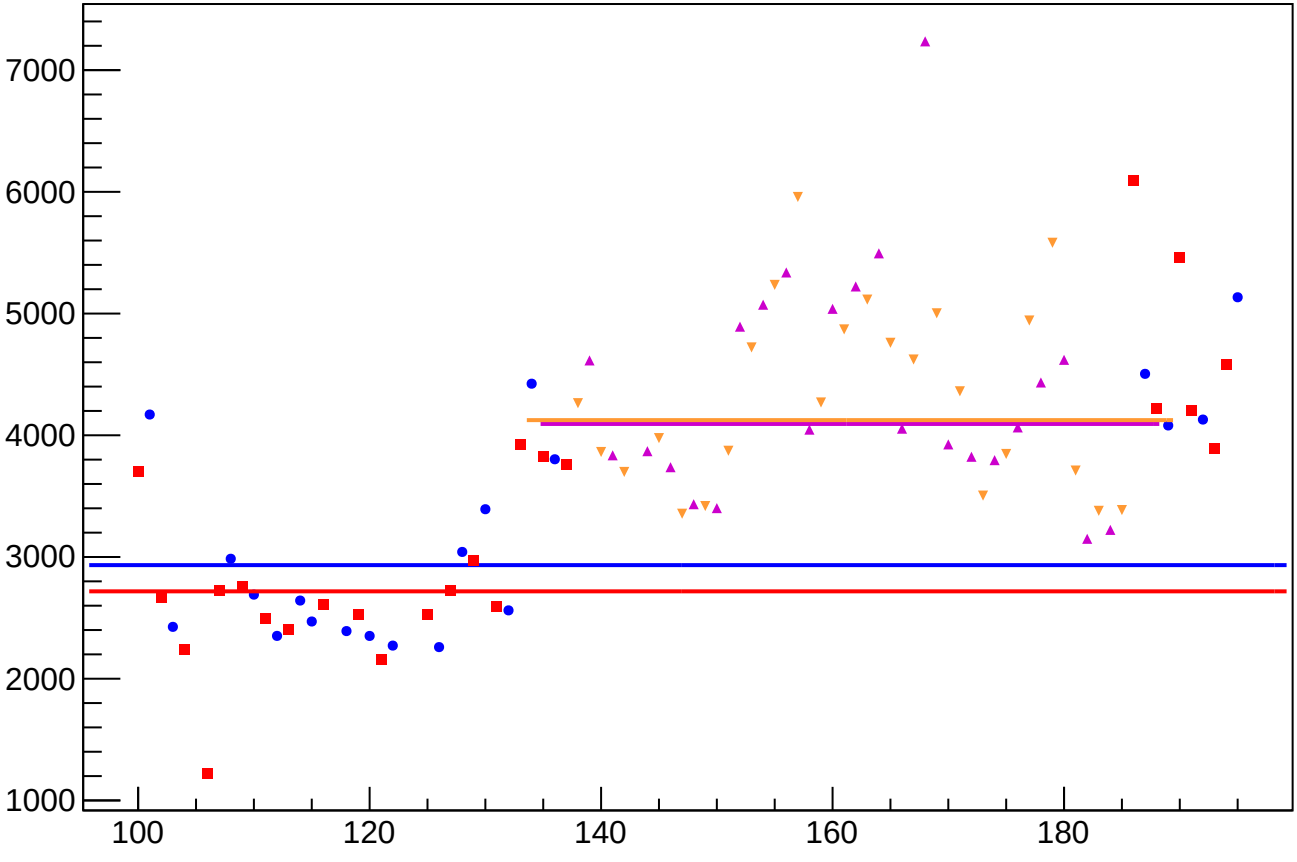
Right: -787.212+/-664.754 χ^2/NDF: 52.5/43

In: -540.172+/-688.697 χ^2/NDF:34.6/42

Out: -471.206+/-665.339 χ^2/NDF:60.0/47

All: -504.500+/-478.510 χ^2/NDF: 94.7/90

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2933.262+/-0.689 χ^2/NDF: 1313088.6/19

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2717.808+/-0.618 χ^2/NDF: 2230339.9/23

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

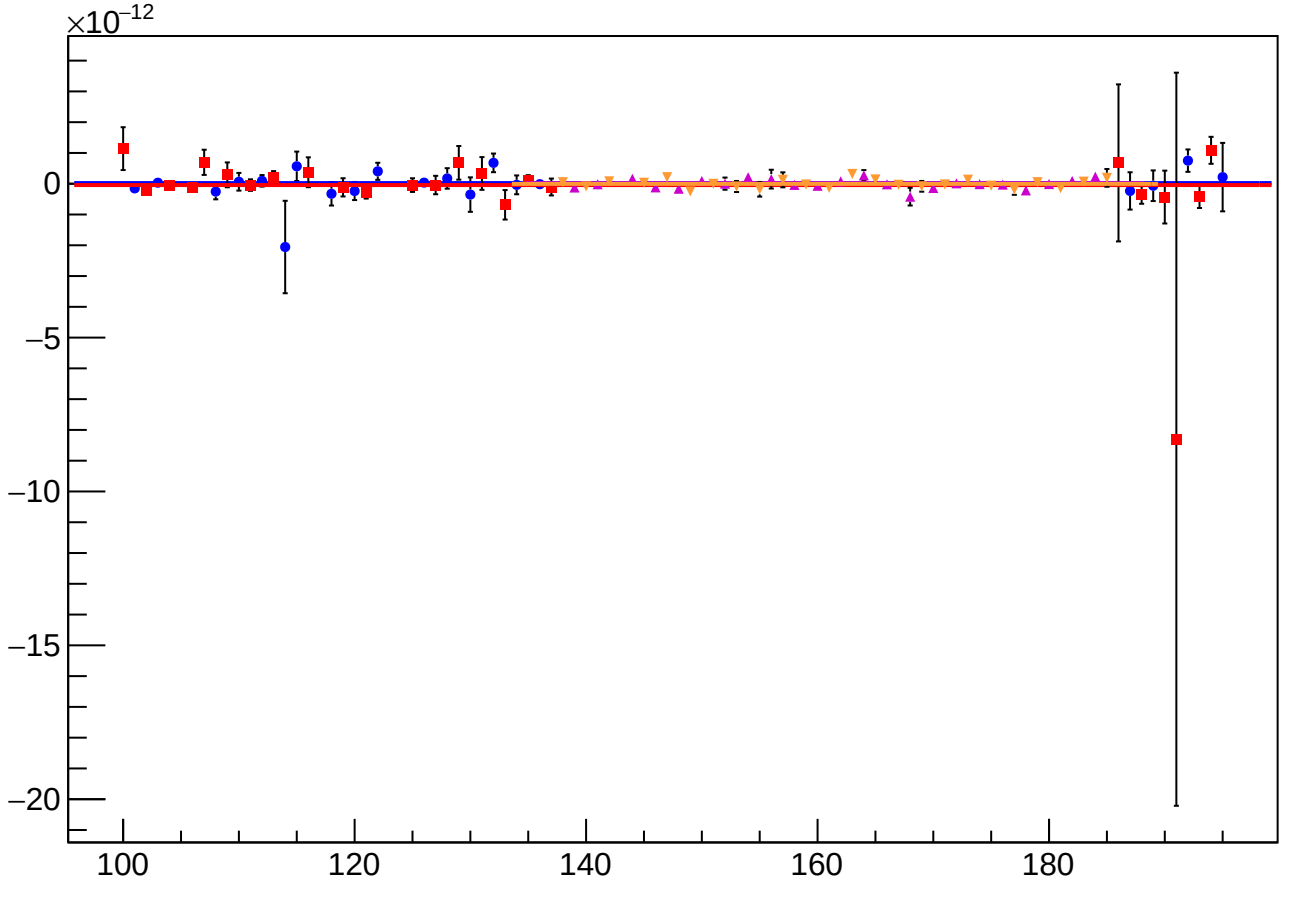
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 2813.950+/-0.460 χ^2/NDF: 3597649.6/43

In: 3512.916+/-0.487 χ^2/NDF:3893964.0/42

Out: 3344.196+/-0.460 χ^2/NDF:5506683.5/47

All: 3423.815+/-0.335 χ^2/NDF: 9464037.5/90



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/23

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

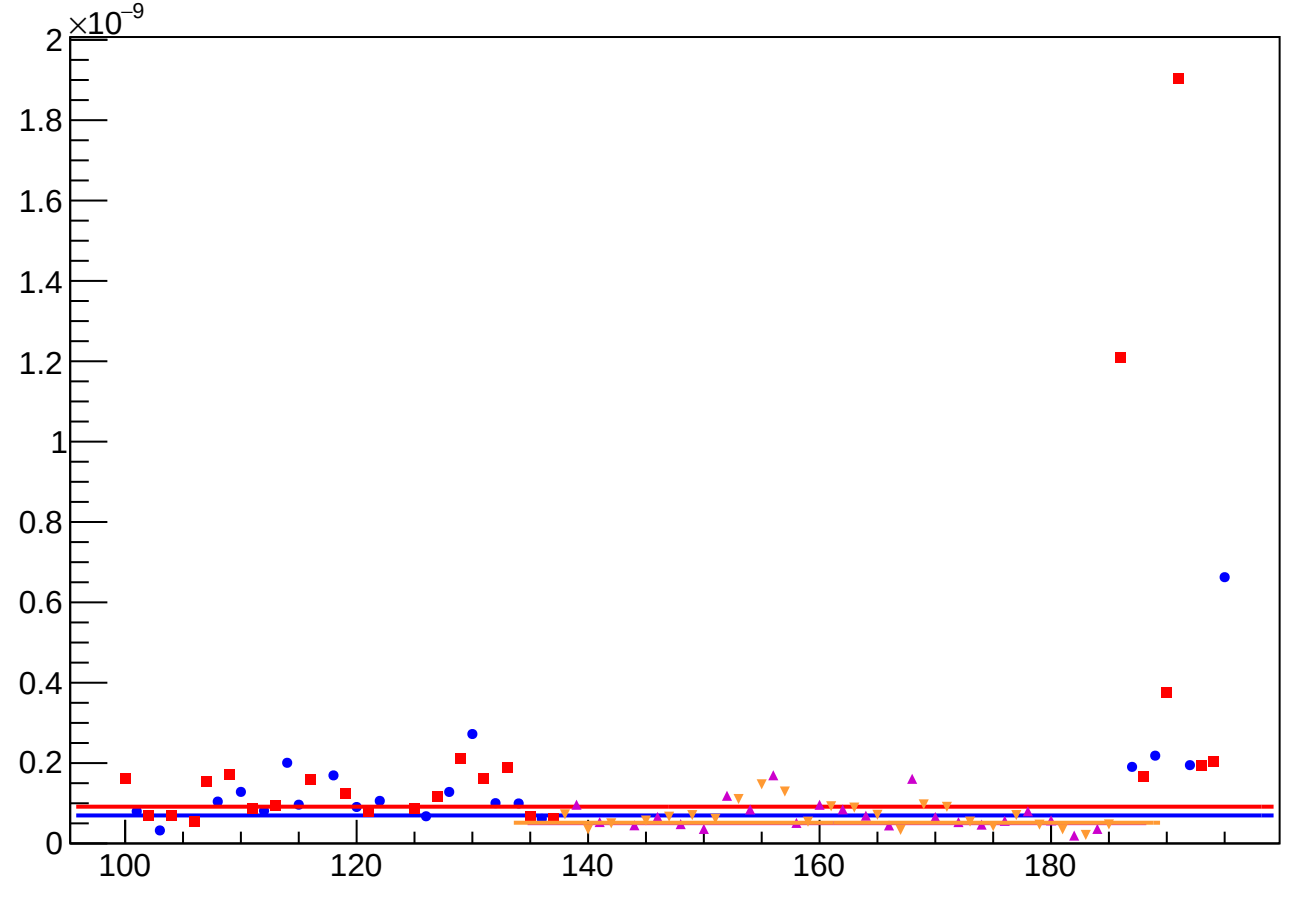
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 47.1/43

In: 0.000+/-0.000 χ^2/NDF:45.4/42

Out: -0.000+/-0.000 χ^2/NDF:51.2/47

All: 0.000+/-0.000 χ^2/NDF: 97.6/90



Right In: 0.000+/-0.000 χ^2/NDF: 2307710.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1792711.1/23

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

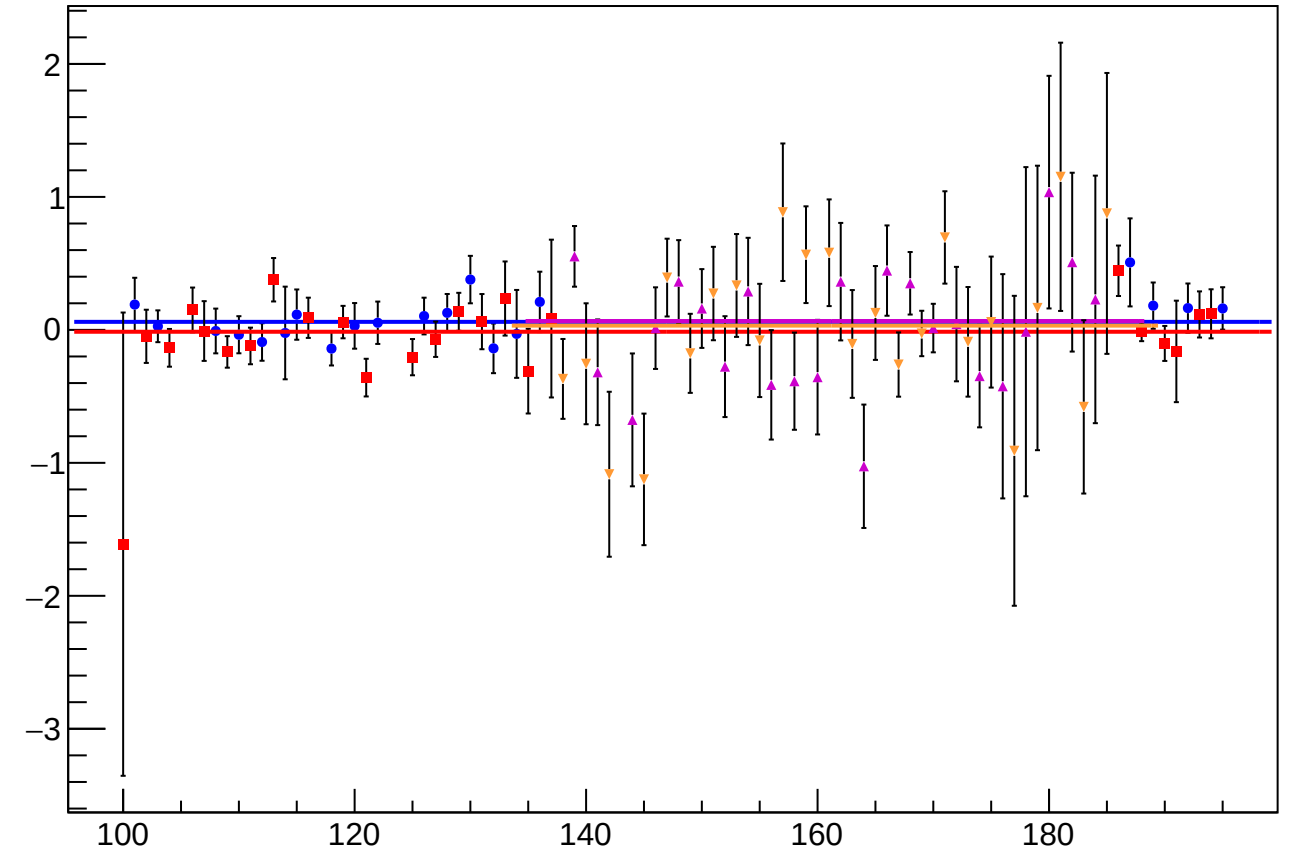
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 4310241.2/43

In: 0.000+/-0.000 χ^2/NDF:5051218.5/42

Out: 0.000+/-0.000 χ^2/NDF:5075678.4/47

All: 0.000+/-0.000 χ^2/NDF: 10156163.0/90



Right In: 0.060+/-0.038 χ^2/NDF: 13.2/19

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.014+/-0.031 χ^2/NDF: 29.9/23

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

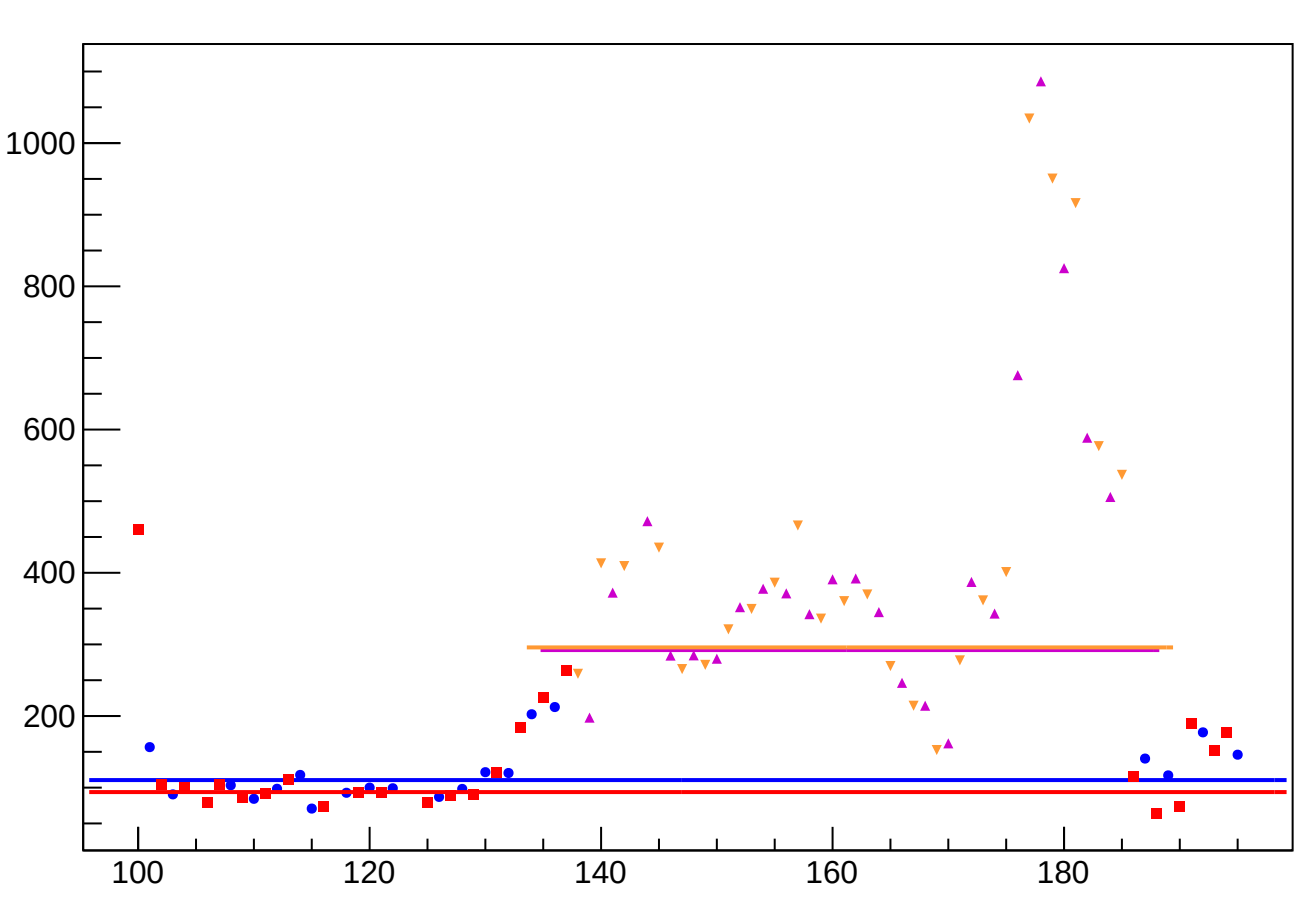
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.016+/-0.024 χ^2/NDF: 45.4/43

In: 0.062+/-0.034 χ^2/NDF:38.9/42

Out: -0.007+/-0.029 χ^2/NDF:60.0/47

All: 0.022+/-0.022 χ^2/NDF: 101.2/90



Right In: 110.554+/-0.027 χ^2/NDF: 1417220.5/19

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 93.793+/-0.022 χ^2/NDF: 2170469.3/23

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

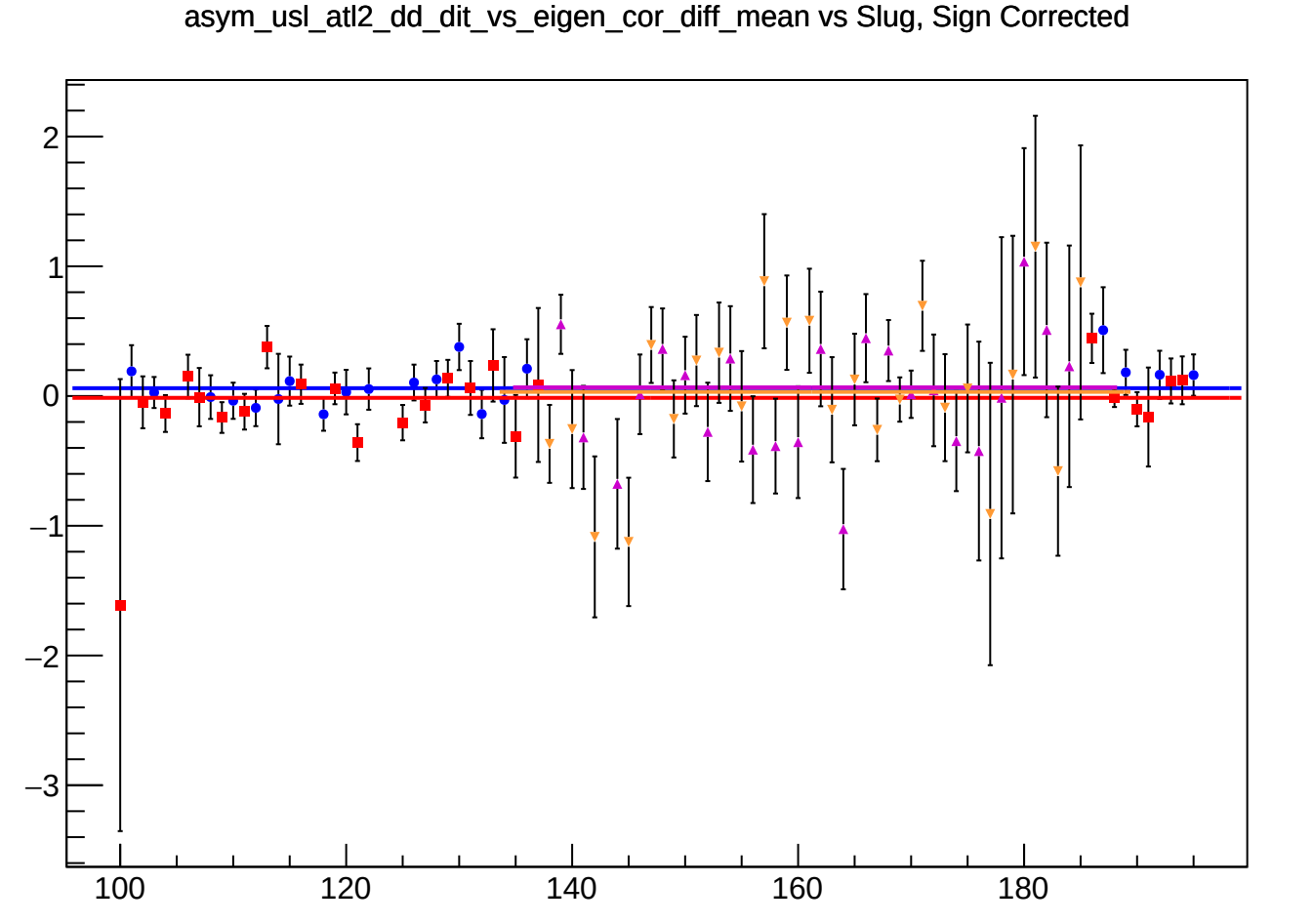
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 100.632+/-0.017 χ^2/NDF: 3822051.5/43

In: 147.346+/-0.024 χ^2/NDF:15886832.8/42

Out: 123.044+/-0.020 χ^2/NDF:19753464.4/47

All: 133.374+/-0.016 χ^2/NDF: 36240491.7/90



Right In: 0.060+/-0.038 χ^2/NDF: 13.2/19

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.014+/-0.031 χ^2/NDF: 29.9/23

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

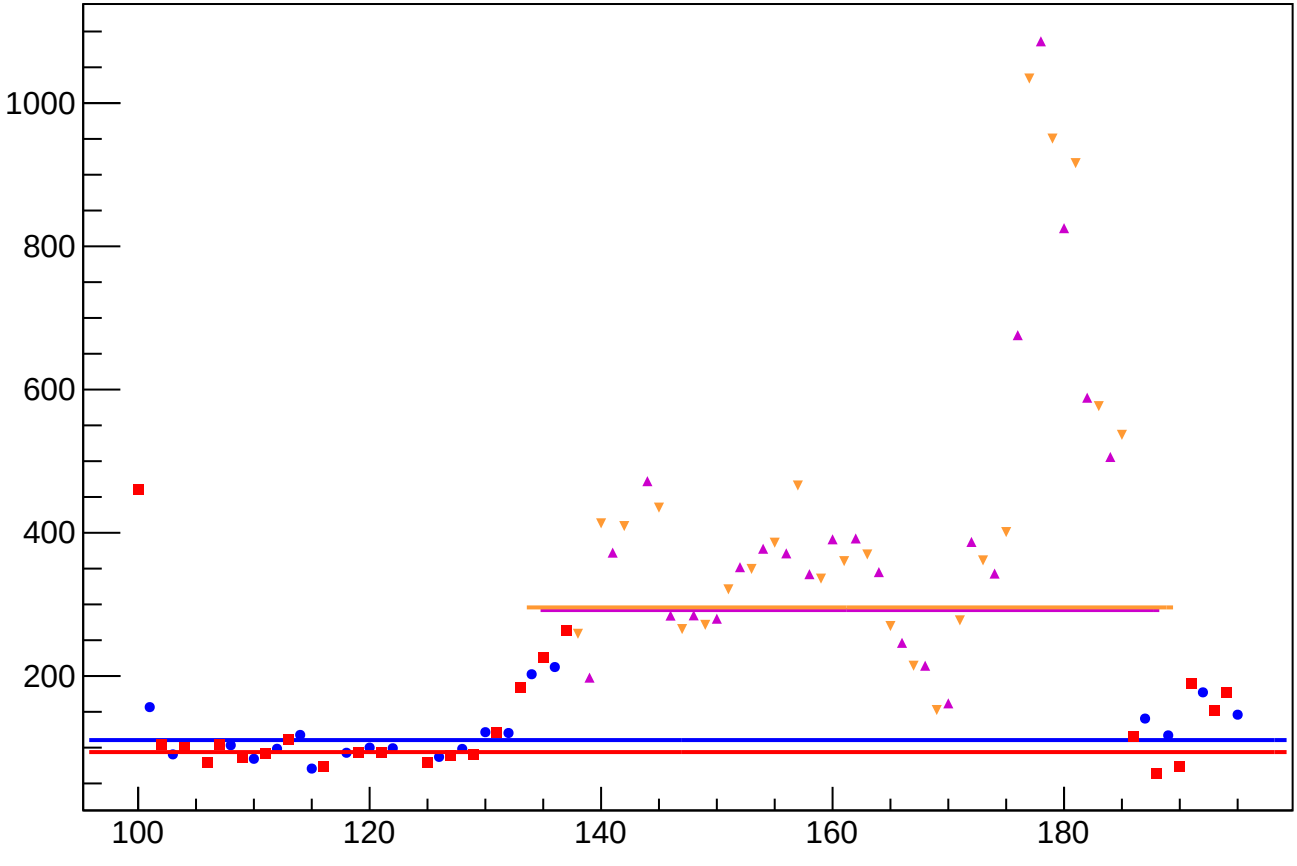
Right: 0.016+/-0.024 χ^2/NDF: 45.4/43

In: 0.062+/-0.034 χ^2/NDF:38.9/42

Out: -0.007+/-0.029 χ^2/NDF:60.0/47

All: 0.022+/-0.022 χ^2/NDF: 101.2/90

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.554+/-0.027 χ^2/NDF: 1417220.5/19

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 93.793+/-0.022 χ^2/NDF: 2170469.3/23

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

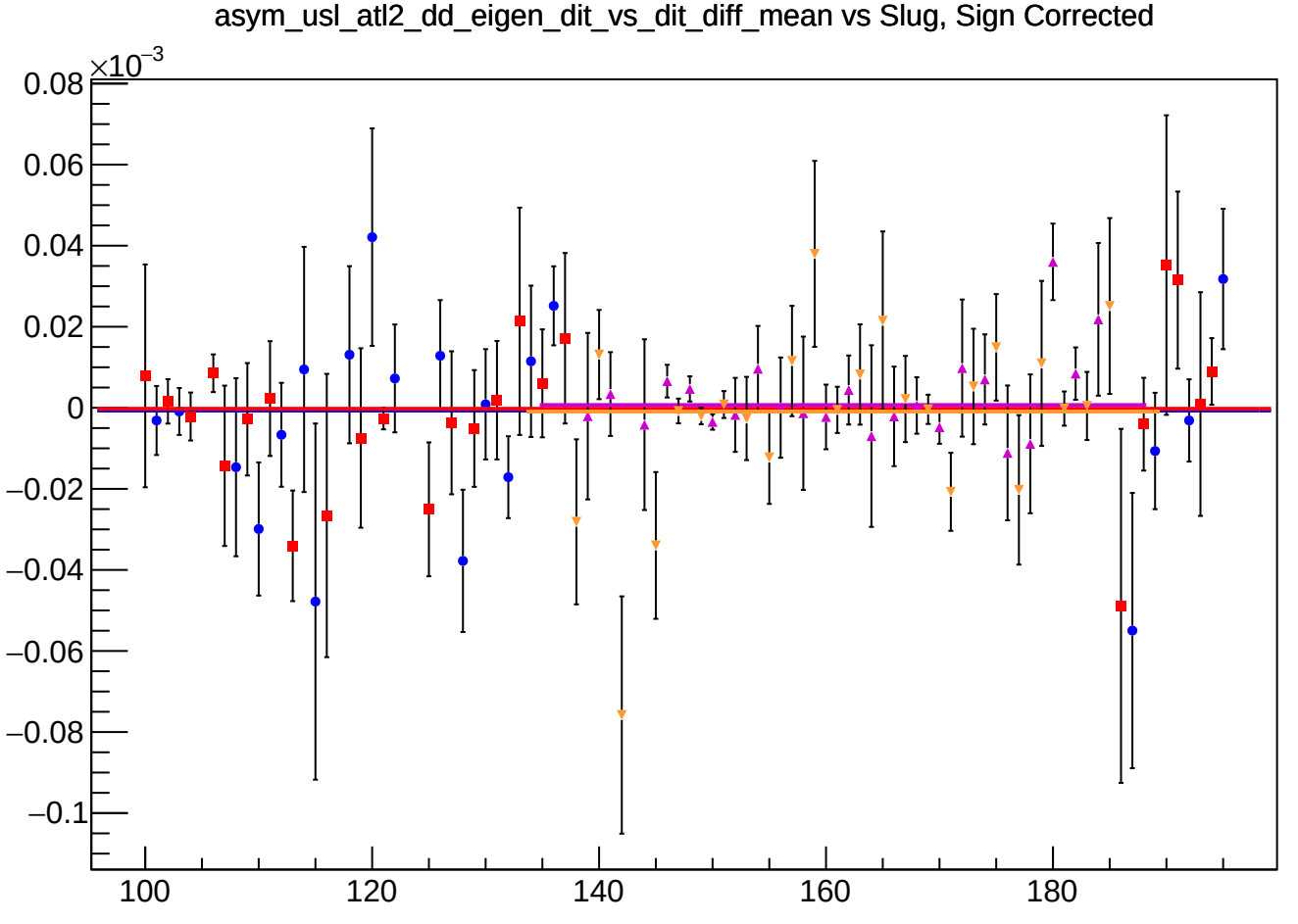
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 100.632+/-0.017 χ^2/NDF: 3822051.5/43

In: 147.346+/-0.024 χ^2/NDF:15886832.8/42

Out: 123.044+/-0.020 χ^2/NDF:19753464.4/47

All: 133.374+/-0.016 χ^2/NDF: 36240491.7/90



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/23

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

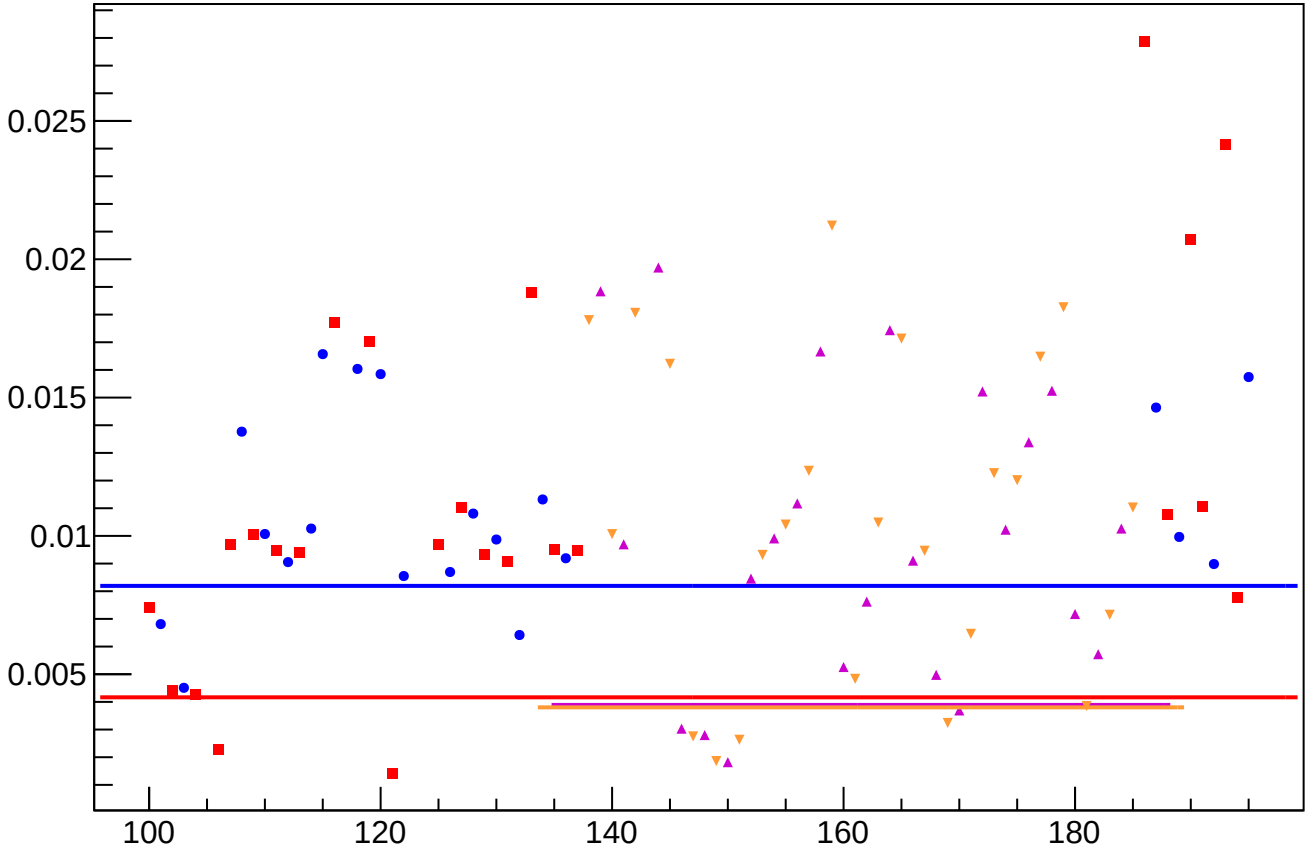
Right: -0.000+/-0.000 χ^2/NDF: 52.2/43

In: 0.000+/-0.000 χ^2/NDF:60.6/42

Out: -0.000+/-0.000 χ^2/NDF:50.8/47

All: -0.000+/-0.000 χ^2/NDF: 112.0/90

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2238997.1/19

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 9844888.0/23

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

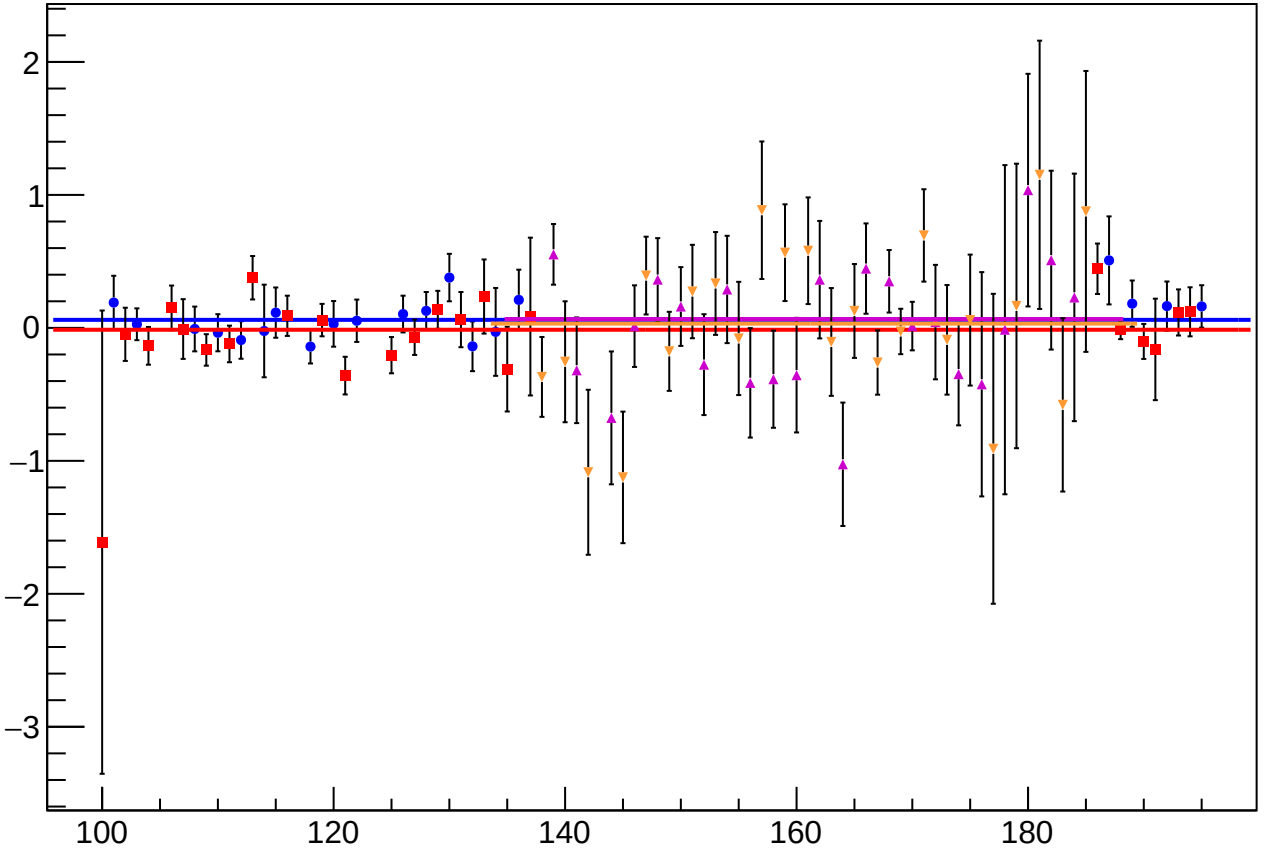
Right: 0.005+/-0.000 χ^2/NDF: 14955802.5/43

In: 0.005+/-0.000 χ^2/NDF:19572147.9/42

Out: 0.004+/-0.000 χ^2/NDF:24528046.6/47

All: 0.004+/-0.000 χ^2/NDF: 44474050.7/90

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.038 χ^2/NDF: 13.2/19

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.014+/-0.031 χ^2/NDF: 29.9/23

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

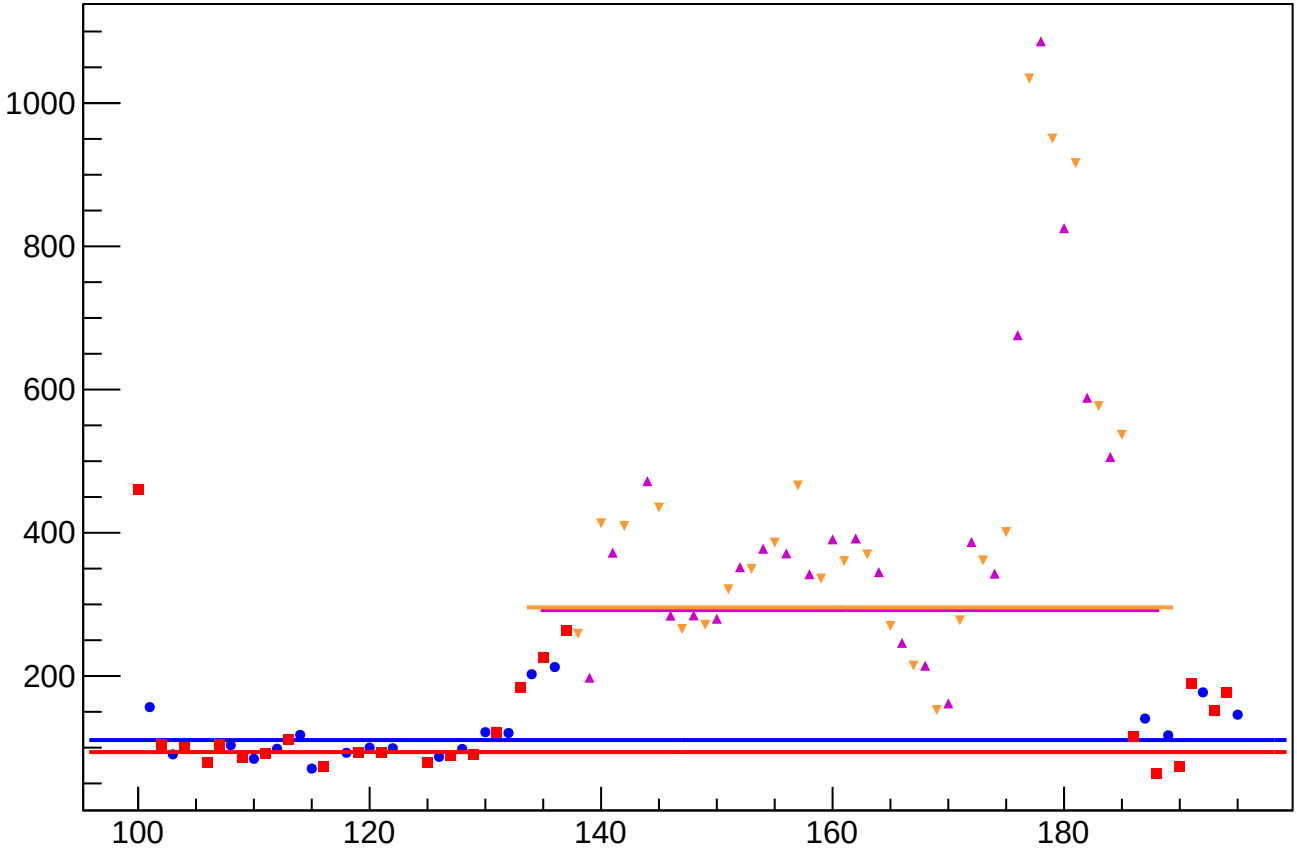
Right: 0.016+/-0.024 χ^2/NDF: 45.4/43

In: 0.062+/-0.034 χ^2/NDF:38.9/42

Out: -0.007+/-0.029 χ^2/NDF:60.0/47

All: 0.022+/-0.022 χ^2/NDF: 101.2/90

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.554+/-0.027 χ^2/NDF: 1417147.2/19

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 93.792+/-0.022 χ^2/NDF: 2170554.4/23

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

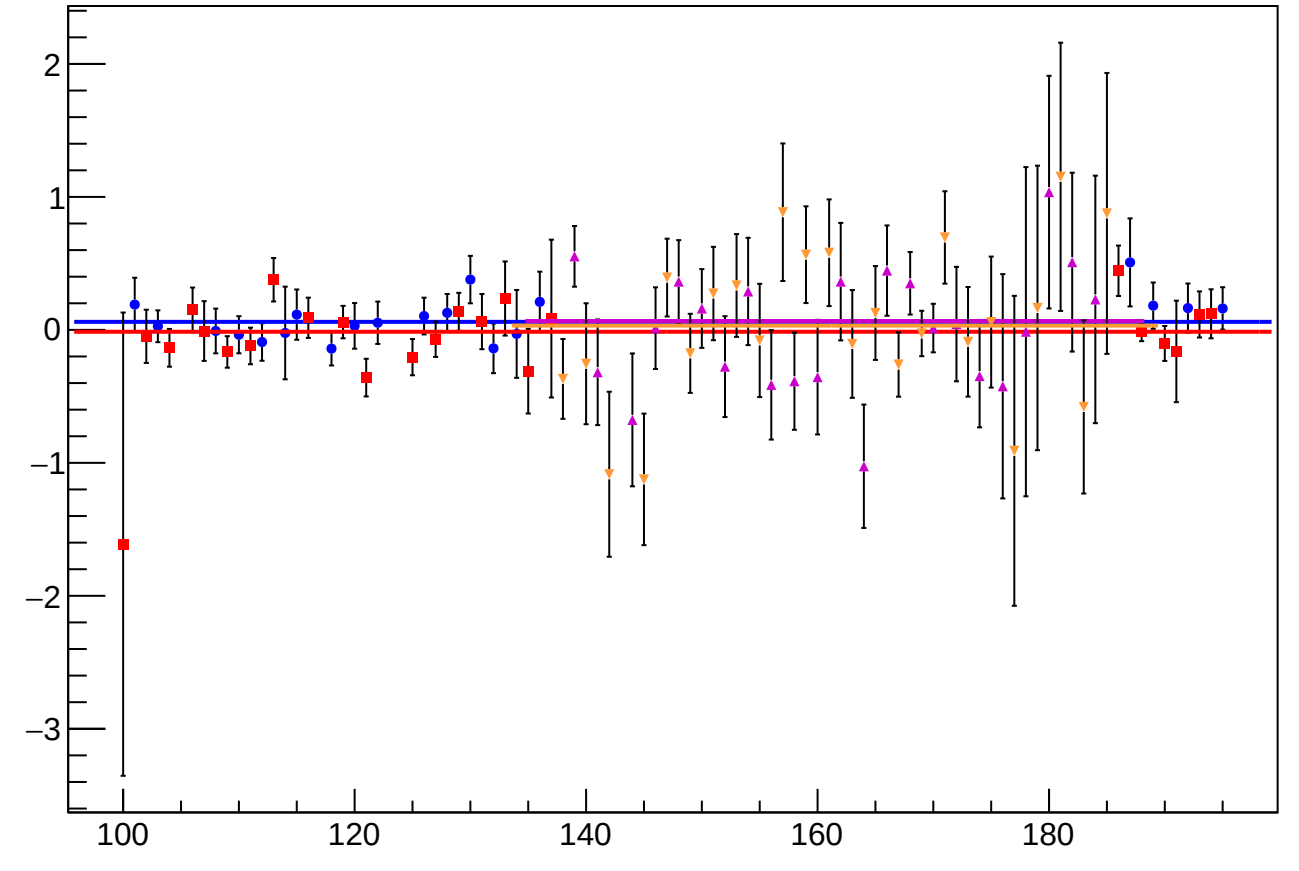
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 100.631+/-0.017 χ^2/NDF: 3822117.0/43

In: 147.347+/-0.024 χ^2/NDF:15886843.2/42

Out: 123.042+/-0.020 χ^2/NDF:19753897.7/47

All: 133.373+/-0.016 χ^2/NDF: 36241059.8/90



Right In: 0.060+/-0.038 χ^2/NDF: 13.2/19

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.014+/-0.031 χ^2/NDF: 29.9/23

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

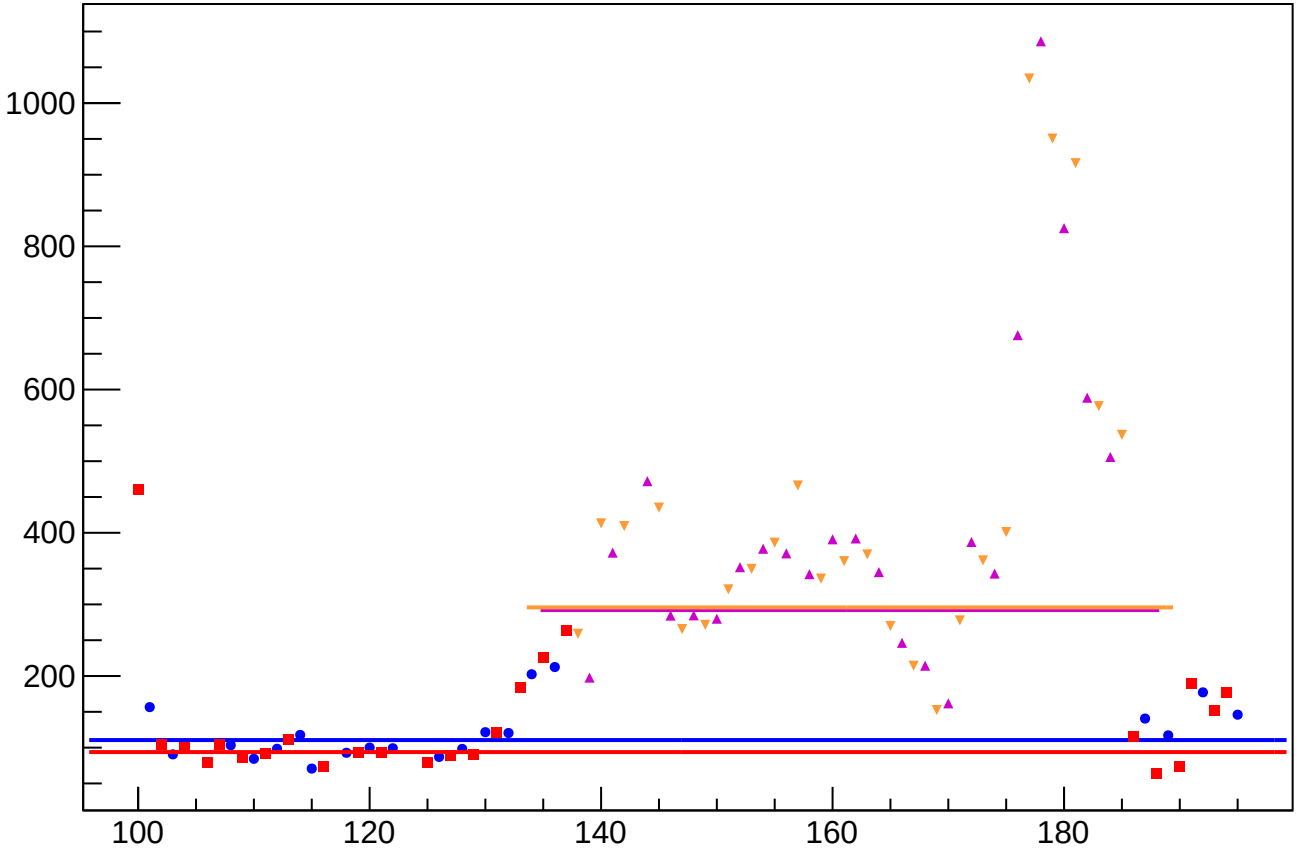
Right: 0.016+/-0.024 χ^2/NDF: 45.4/43

In: 0.062+/-0.034 χ^2/NDF:38.9/42

Out: -0.007+/-0.029 χ^2/NDF:60.0/47

All: 0.022+/-0.022 χ^2/NDF: 101.2/90

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.554+/-0.027 χ^2/NDF: 1417147.2/19

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 93.792+/-0.022 χ^2/NDF: 2170554.4/23

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

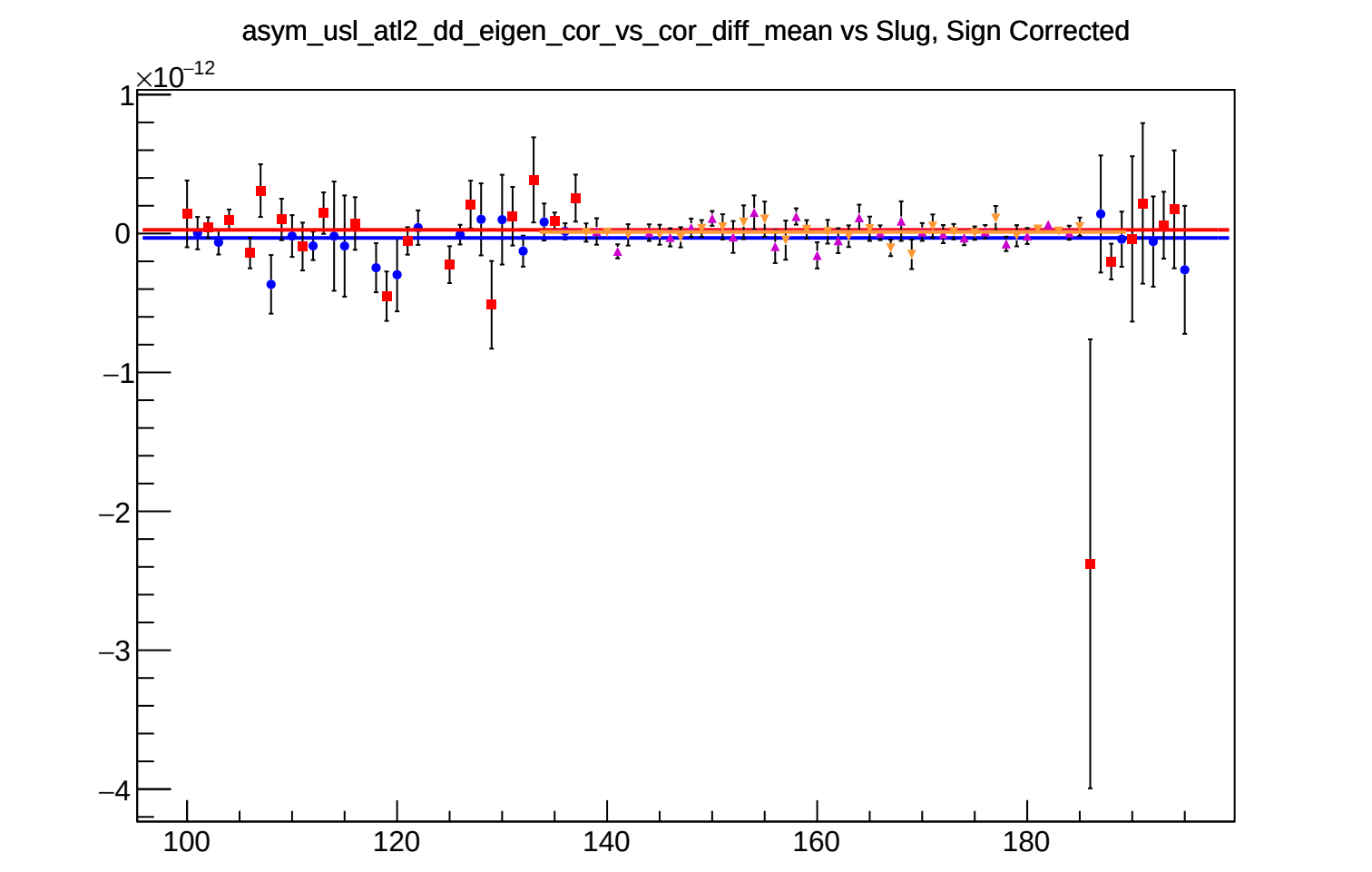
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 100.631+/-0.017 χ^2/NDF: 3822117.0/43

In: 147.347+/-0.024 χ^2/NDF:15886843.2/42

Out: 123.042+/-0.020 χ^2/NDF:19753897.7/47

All: 133.373+/-0.016 χ^2/NDF: 36241059.8/90



Right In: -0.000+/-0.000 χ^2/NDF: 9.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/23

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

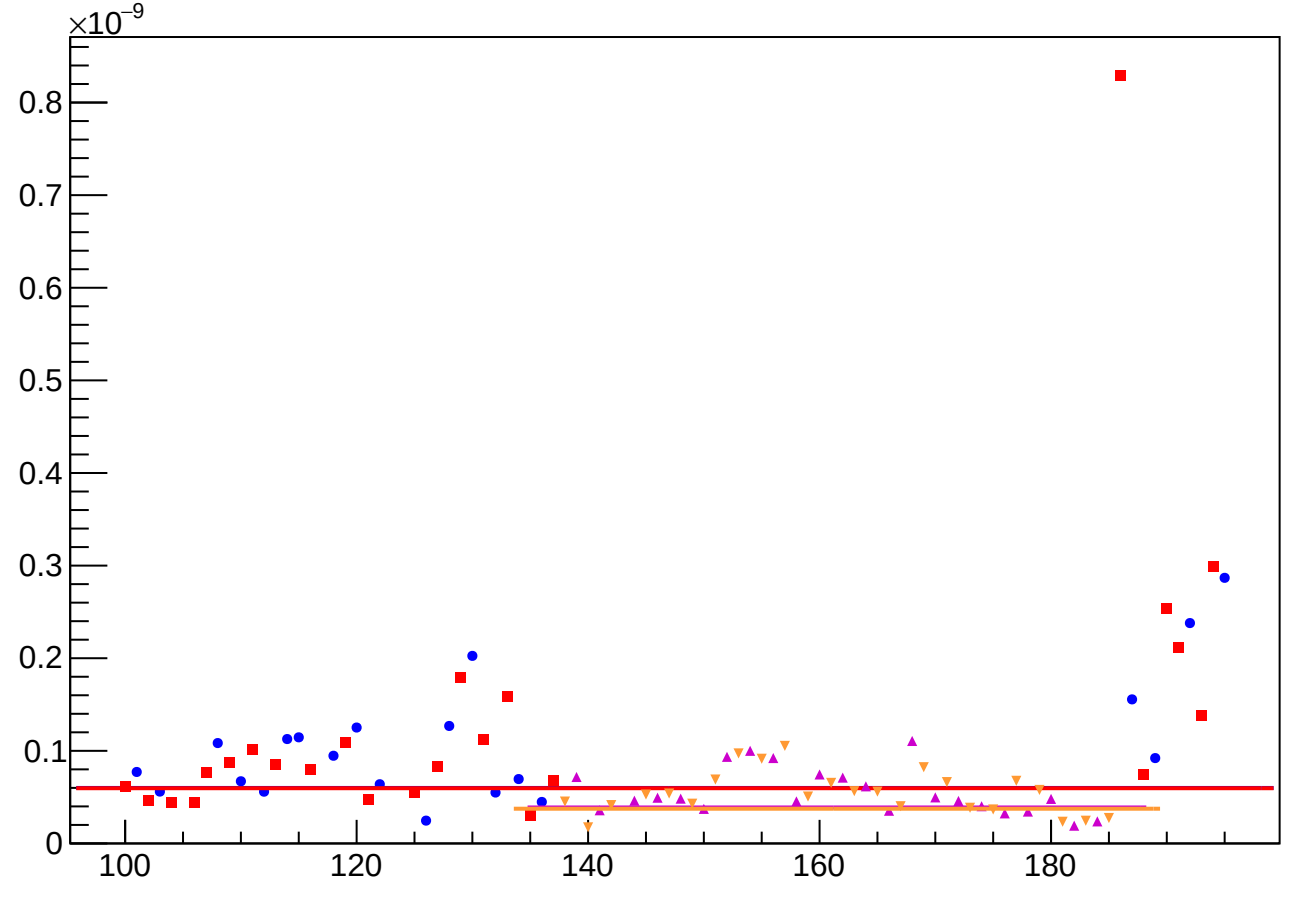
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 43.9/43

In: 0.000+/-0.000 χ^2/NDF:42.1/42

Out: 0.000+/-0.000 χ^2/NDF:43.7/47

All: 0.000+/-0.000 χ^2/NDF: 85.9/90



Right In: 0.000+/-0.000 χ^2/NDF: 2853814.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3484530.2/23

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

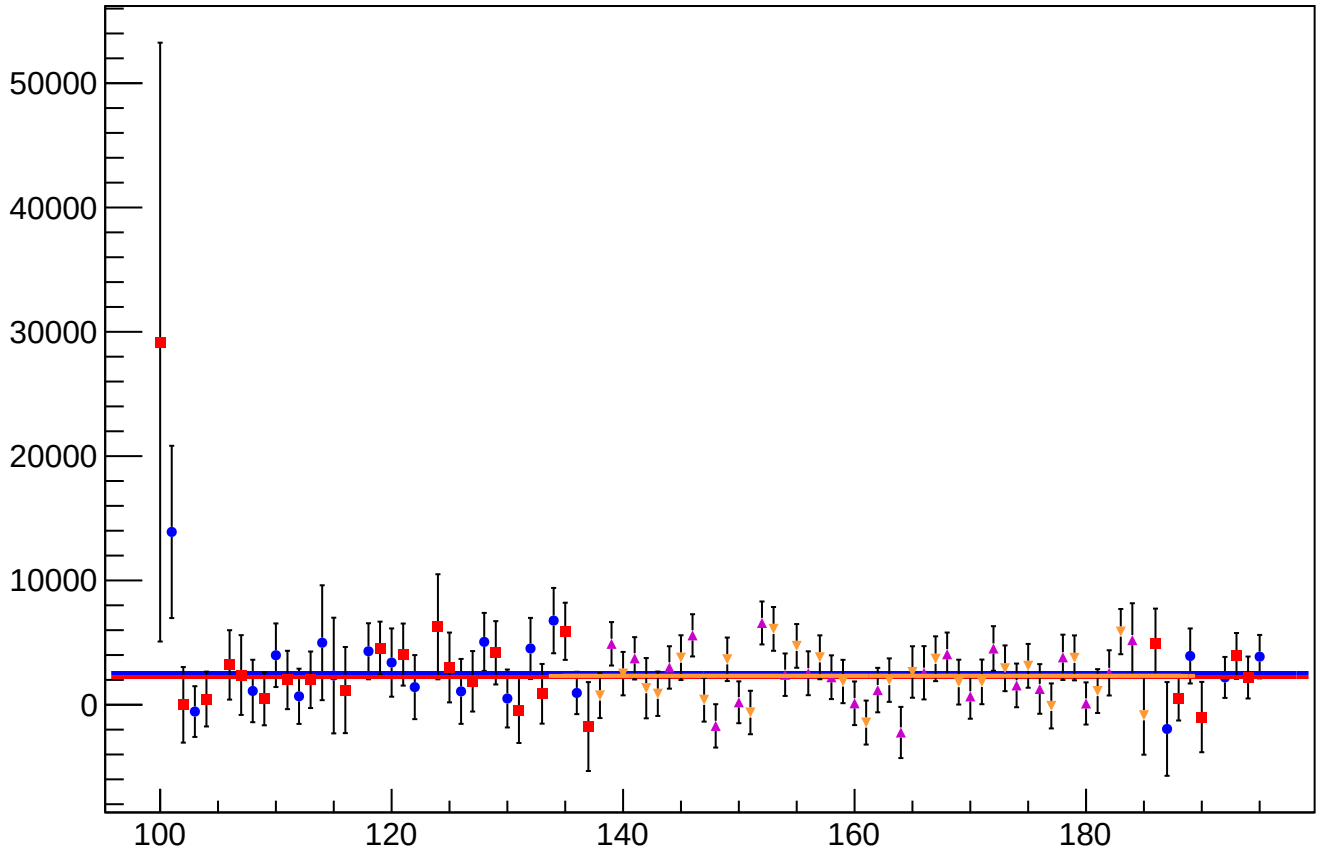
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 6338442.3/43

In: 0.000+/-0.000 χ^2/NDF:8331820.9/42

Out: 0.000+/-0.000 χ^2/NDF:9541839.2/47

All: 0.000+/-0.000 χ^2/NDF: 17881937.3/90



Right In: 2554.468+/-535.414 χ^2/NDF: 16.3/19

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2230.424+/-504.674 χ^2/NDF: 16.0/23

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

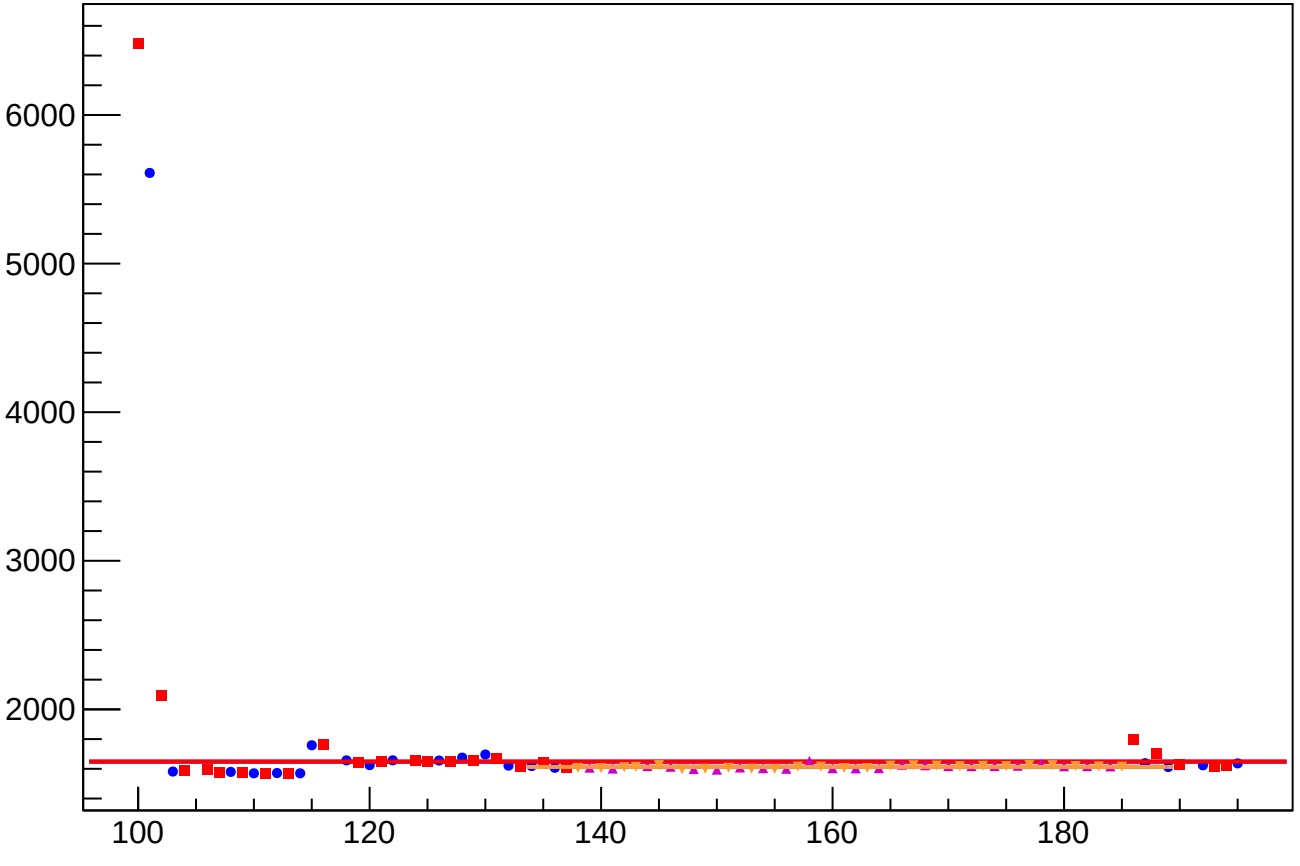
Right: 2382.877+/-367.245 χ^2/NDF: 32.4/43

In: 2431.521+/-308.141 χ^2/NDF:50.1/42

Out: 2289.791+/-296.446 χ^2/NDF:43.5/48

All: 2357.915+/-213.634 χ^2/NDF: 93.7/91

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1648.304+/-0.379 χ^2/NDF: 667671.6/19

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1648.603+/-0.357 χ^2/NDF: 145631.0/23

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

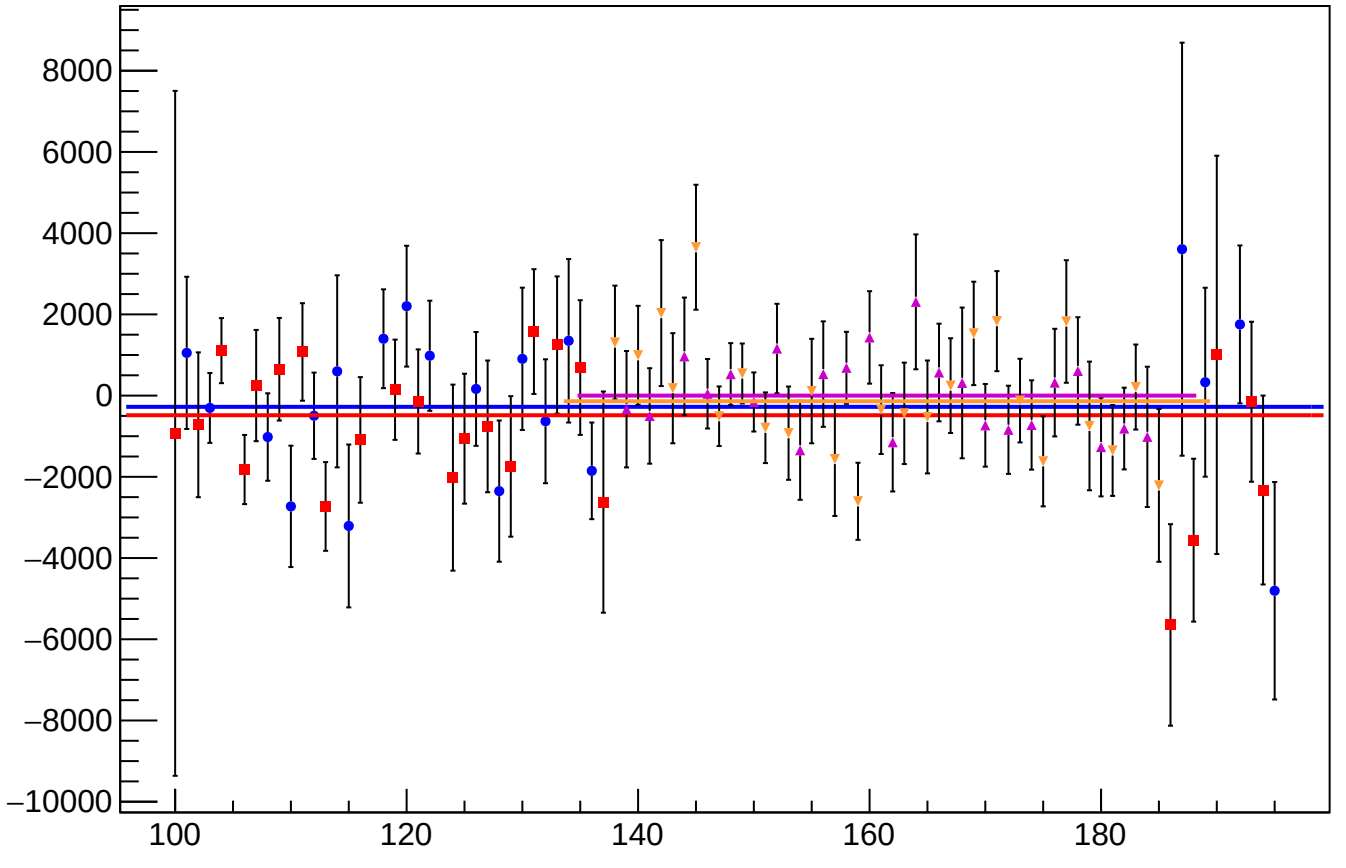
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1648.462+/-0.260 χ^2/NDF: 813302.8/43

In: 1625.224+/-0.218 χ^2/NDF:675583.1/42

Out: 1625.027+/-0.210 χ^2/NDF:153467.2/48

All: 1625.122+/-0.151 χ^2/NDF: 829050.7/91



Right In: -276.738+/-331.393 χ^2/NDF: 20.6/19

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -483.639+/-300.096 χ^2/NDF: 26.5/23

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

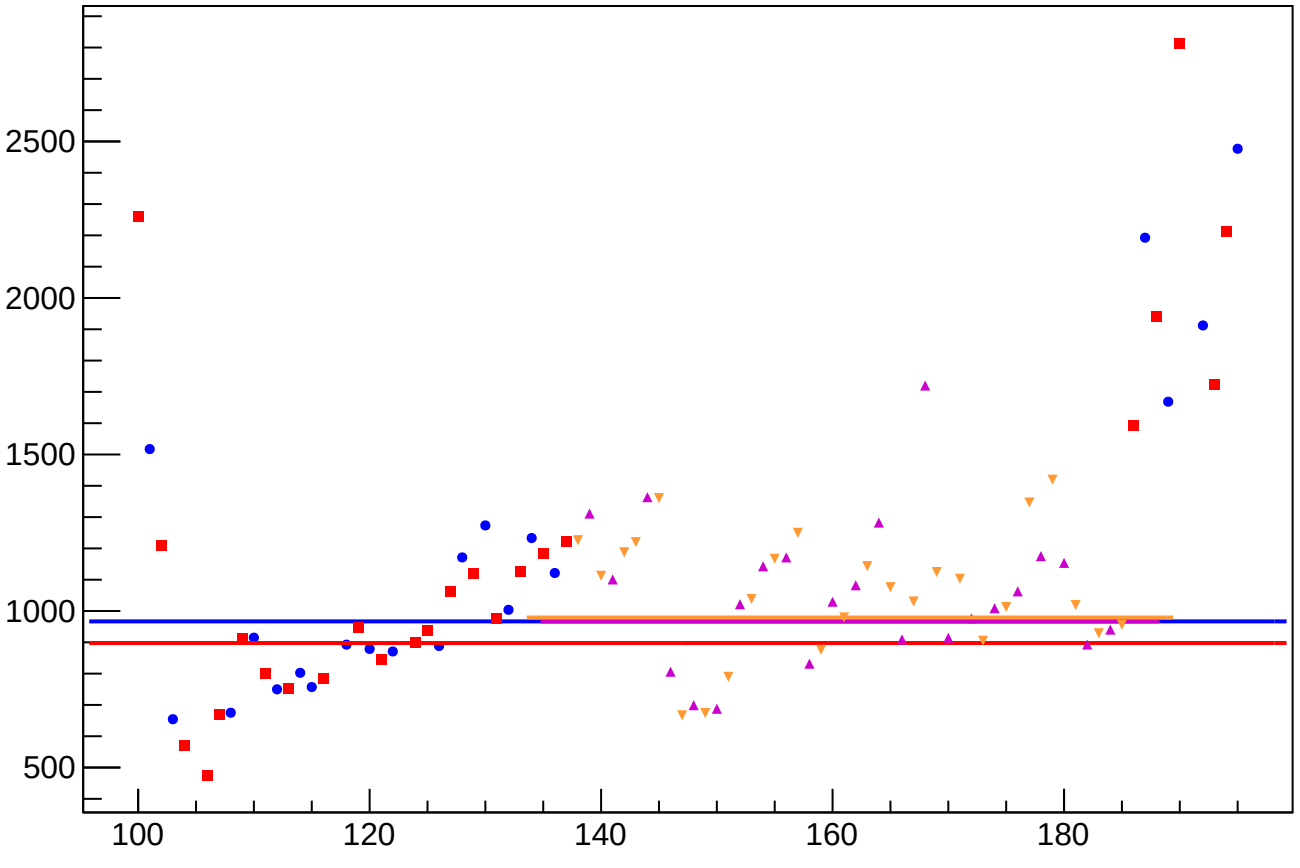
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -390.417+/-222.443 χ^2/NDF: 47.2/43

In: -91.032+/-190.002 χ^2/NDF:33.9/42

Out: -265.933+/-182.113 χ^2/NDF:57.4/48

All: -182.189+/-131.474 χ^2/NDF: 91.8/91



Right In: 966.855+/-0.234 χ^2/NDF: 2296886.4/19

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 897.769+/-0.212 χ^2/NDF: 3240859.1/23

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

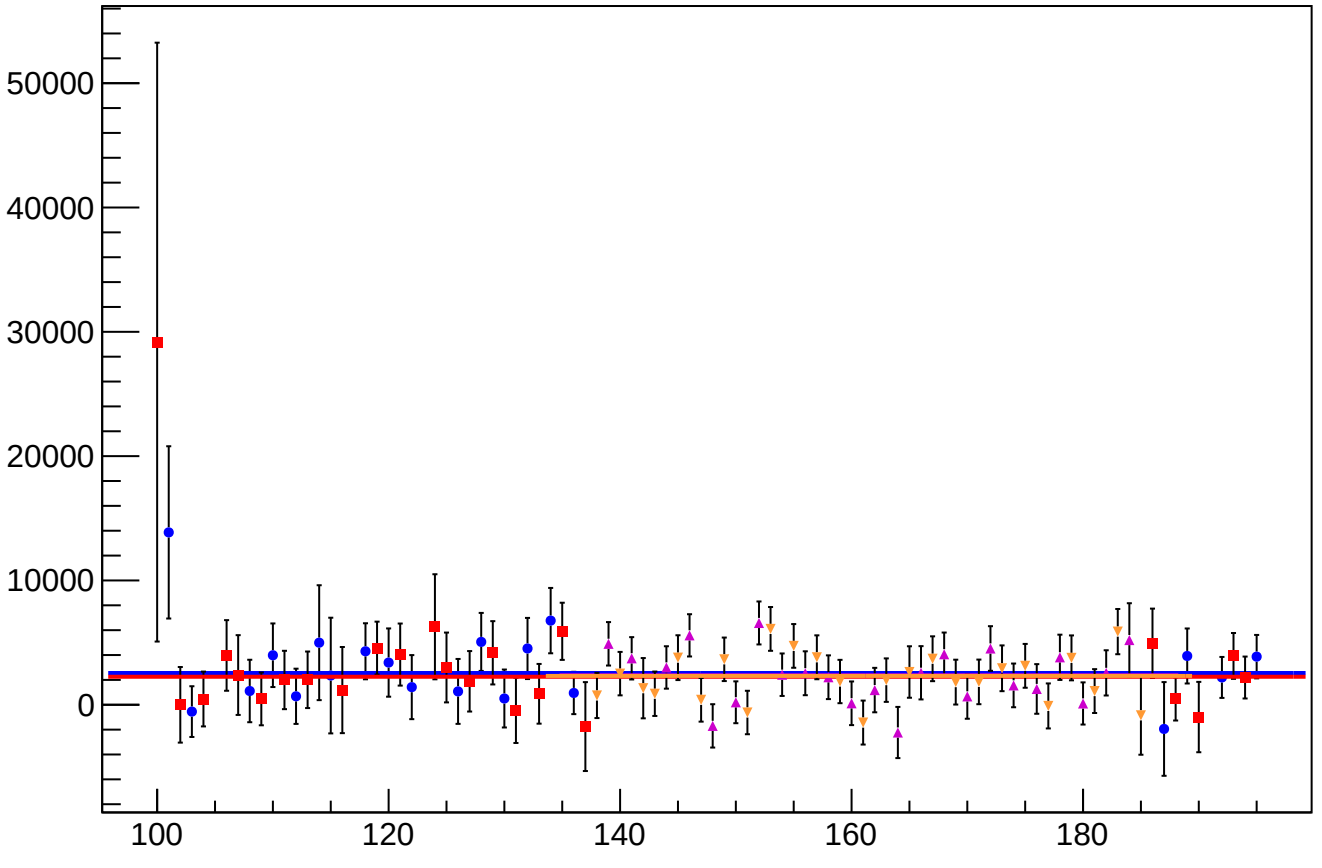
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 928.896+/-0.157 χ^2/NDF: 5585502.4/43

In: 966.634+/-0.134 χ^2/NDF:3899484.0/42

Out: 949.271+/-0.129 χ^2/NDF:4964727.5/48

All: 957.585+/-0.093 χ^2/NDF: 8872916.0/91



Right In: 2554.098+/-535.414 χ^2/NDF: 16.3/19

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2253.639+/-504.958 χ^2/NDF: 16.2/23

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

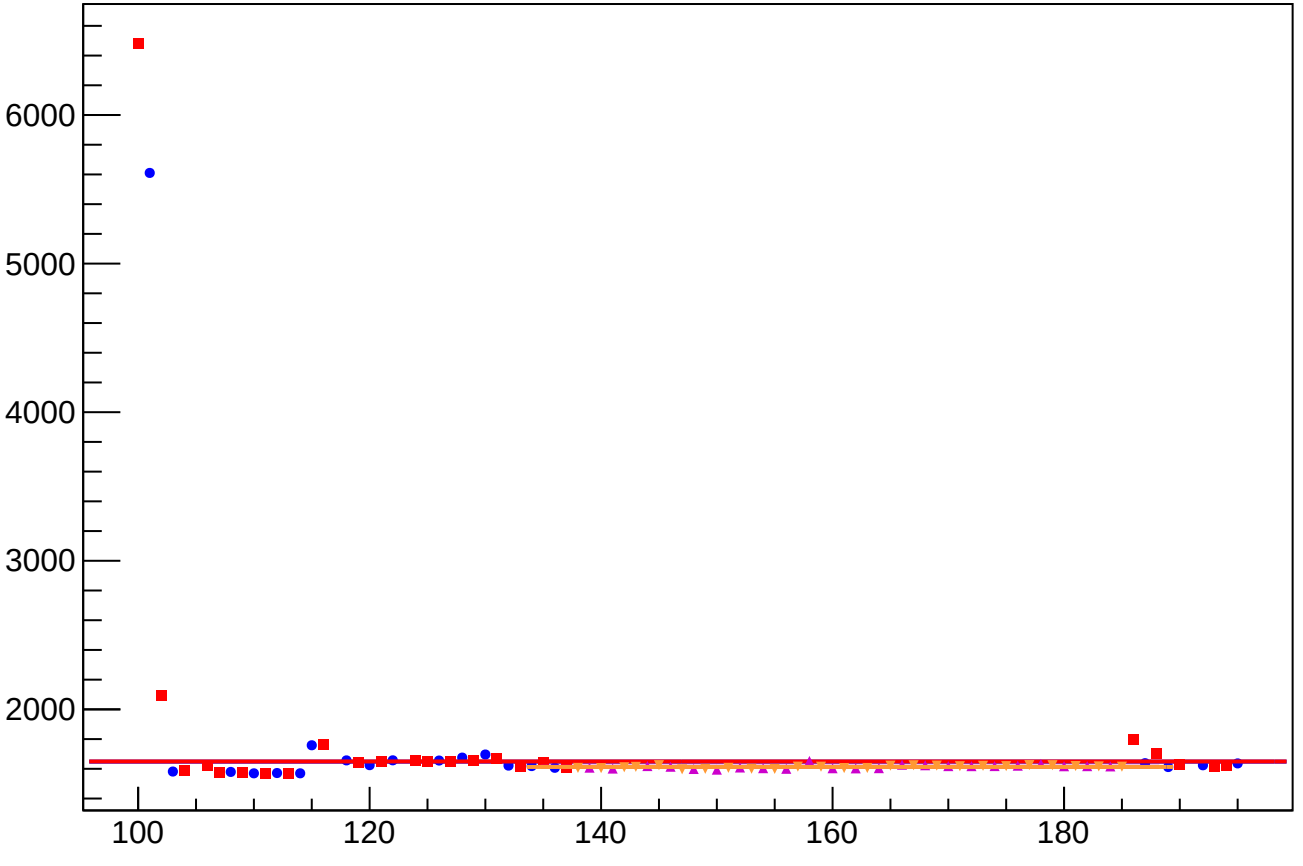
Right: 2395.080+/-367.355 χ^2/NDF: 32.7/43

In: 2431.445+/-308.141 χ^2/NDF:50.1/42

Out: 2297.791+/-296.504 χ^2/NDF:43.7/48

All: 2362.047+/-213.655 χ^2/NDF: 93.9/91

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1648.304+/-0.379 χ^2/NDF: 667671.1/19

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1649.502+/-0.357 χ^2/NDF: 145046.3/23

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

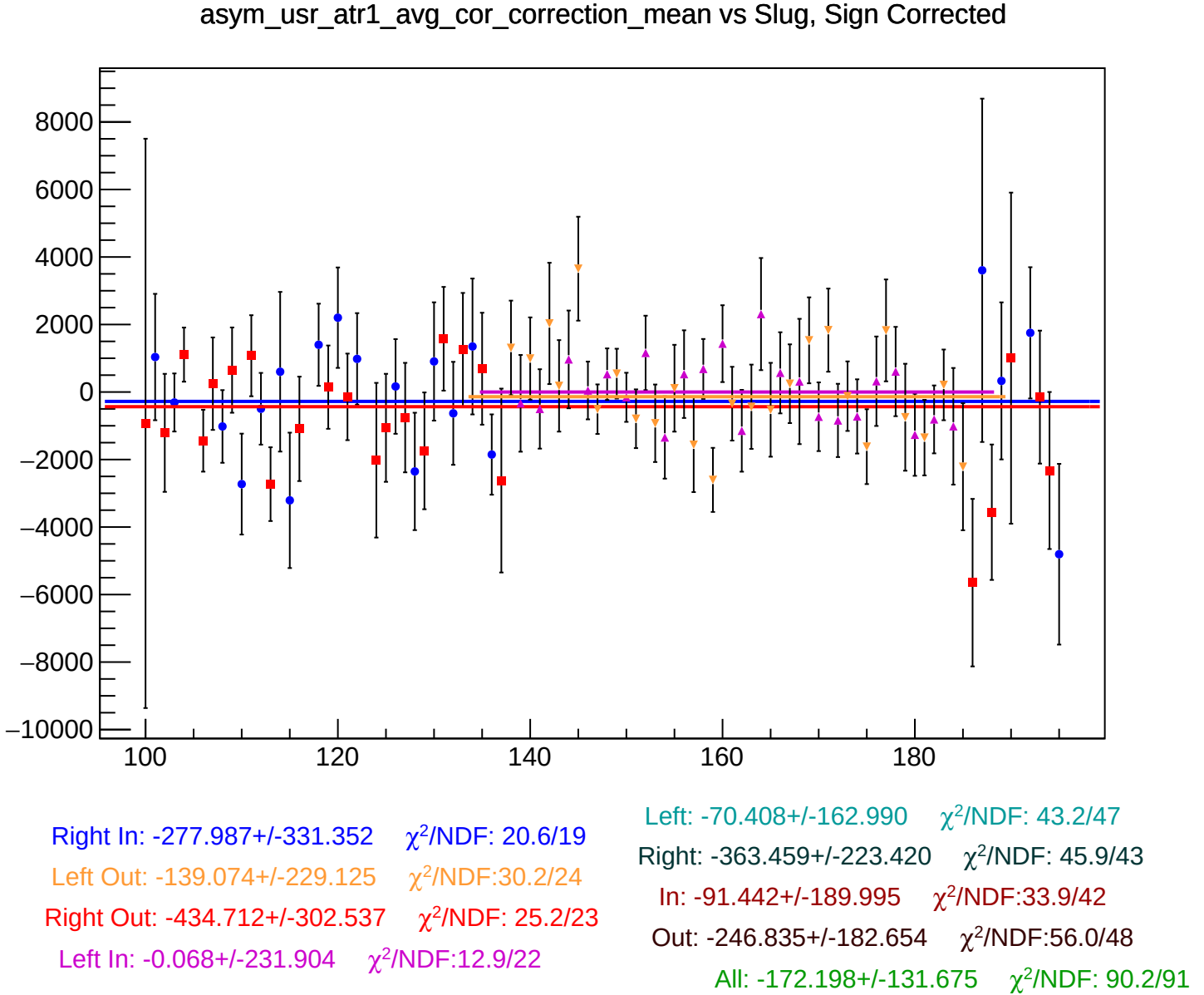
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1648.938+/-0.260 χ^2/NDF: 812722.7/43

In: 1625.224+/-0.218 χ^2/NDF:675582.7/42

Out: 1625.328+/-0.210 χ^2/NDF:153214.5/48

All: 1625.278+/-0.151 χ^2/NDF: 828797.2/91


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
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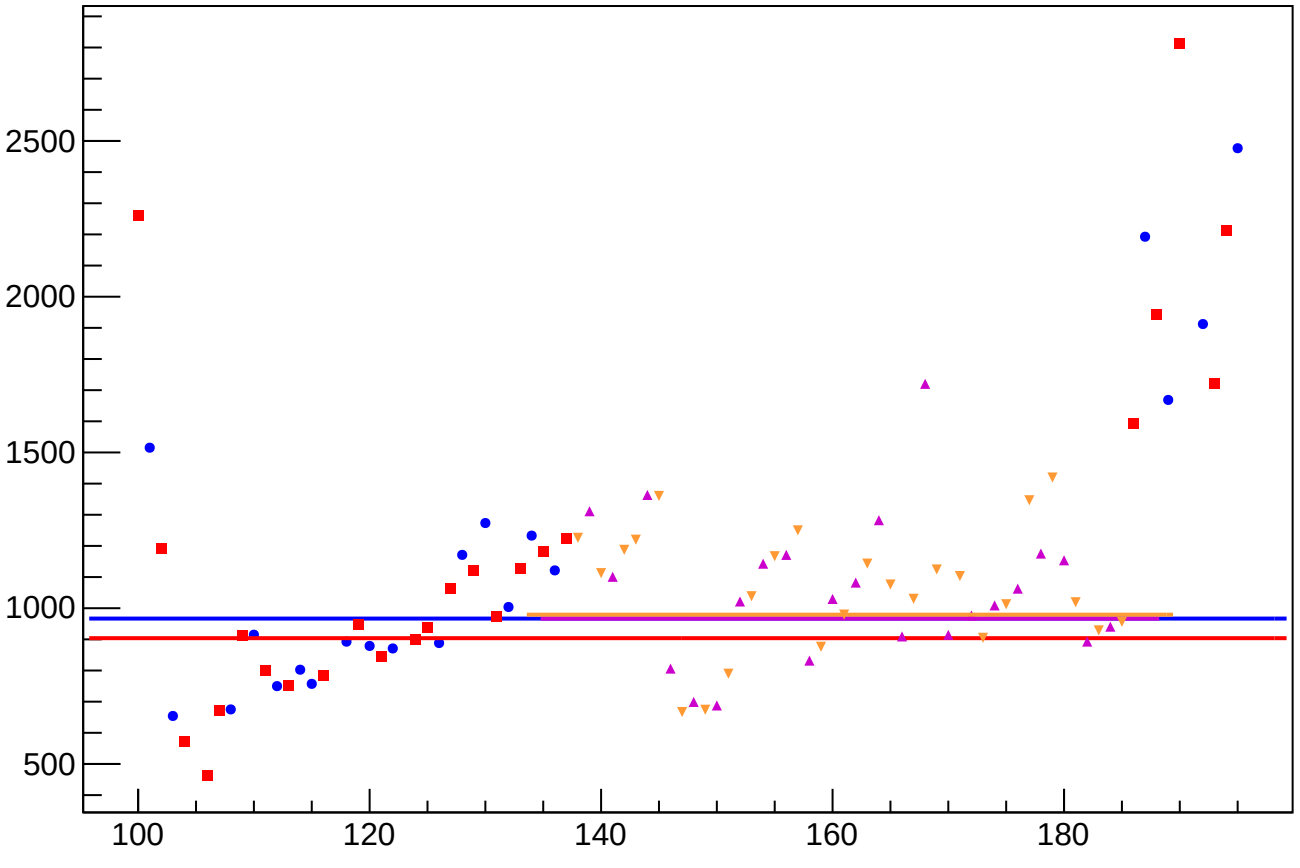
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
Right In: -277.987+/-331.352 χ²/NDF: 20.6/19
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -434.712+/-302.537 χ²/NDF: 25.2/23
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -363.459+/-223.420 χ²/NDF: 45.9/43
In: -91.442+/-189.995 χ²/NDF:33.9/42
Out: -246.835+/-182.654 χ²/NDF:56.0/48
All: -172.198+/-131.675 χ²/NDF: 90.2/91



Right In: 966.743+/-0.234 χ^2/NDF: 2296944.3/19

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 903.811+/-0.214 χ^2/NDF: 3189039.9/23

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

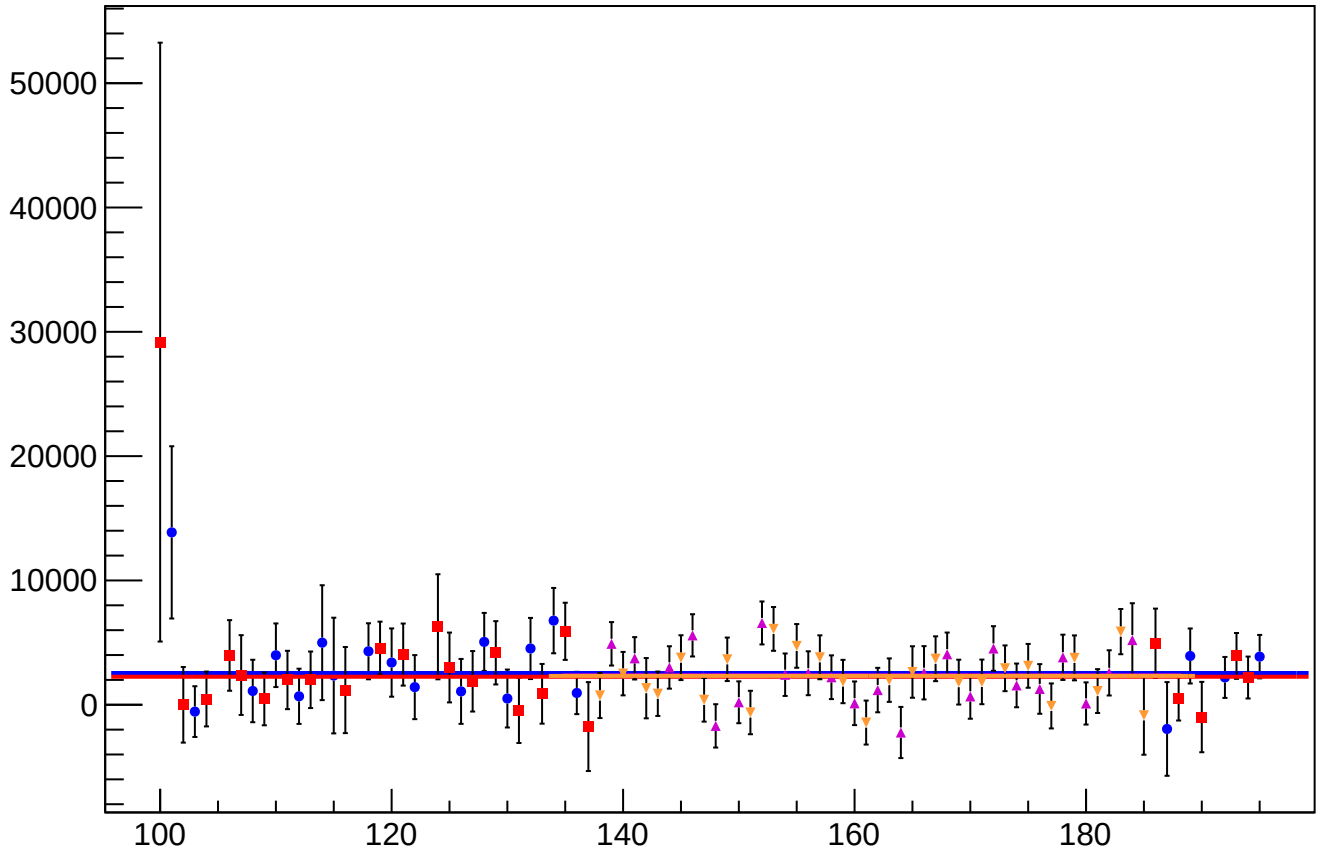
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 932.422+/-0.158 χ^2/NDF: 5525328.1/43

In: 966.601+/-0.134 χ^2/NDF:3899507.0/42

Out: 951.777+/-0.129 χ^2/NDF:4898878.7/48

All: 958.897+/-0.093 χ^2/NDF: 8804713.4/91



Right In: 2554.098+/-535.414 χ^2/NDF: 16.3/19

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2253.639+/-504.958 χ^2/NDF: 16.2/23

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

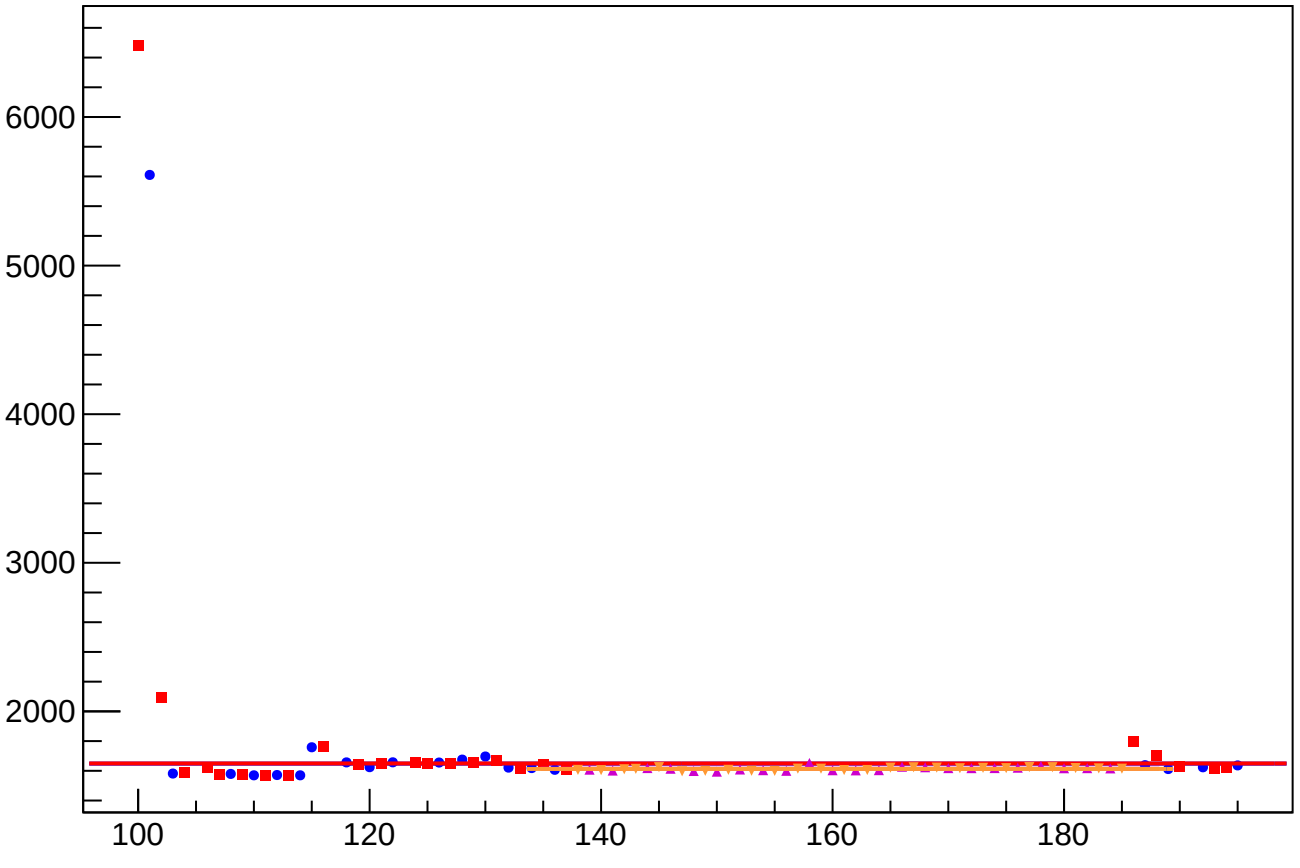
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2395.080+/-367.355 χ^2/NDF: 32.7/43

In: 2431.445+/-308.141 χ^2/NDF:50.1/42

Out: 2297.791+/-296.504 χ^2/NDF:43.7/48

All: 2362.047+/-213.655 χ^2/NDF: 93.9/91



Right In: 1648.304+/-0.379 χ^2/NDF: 667671.1/19

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1649.502+/-0.357 χ^2/NDF: 145046.3/23

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

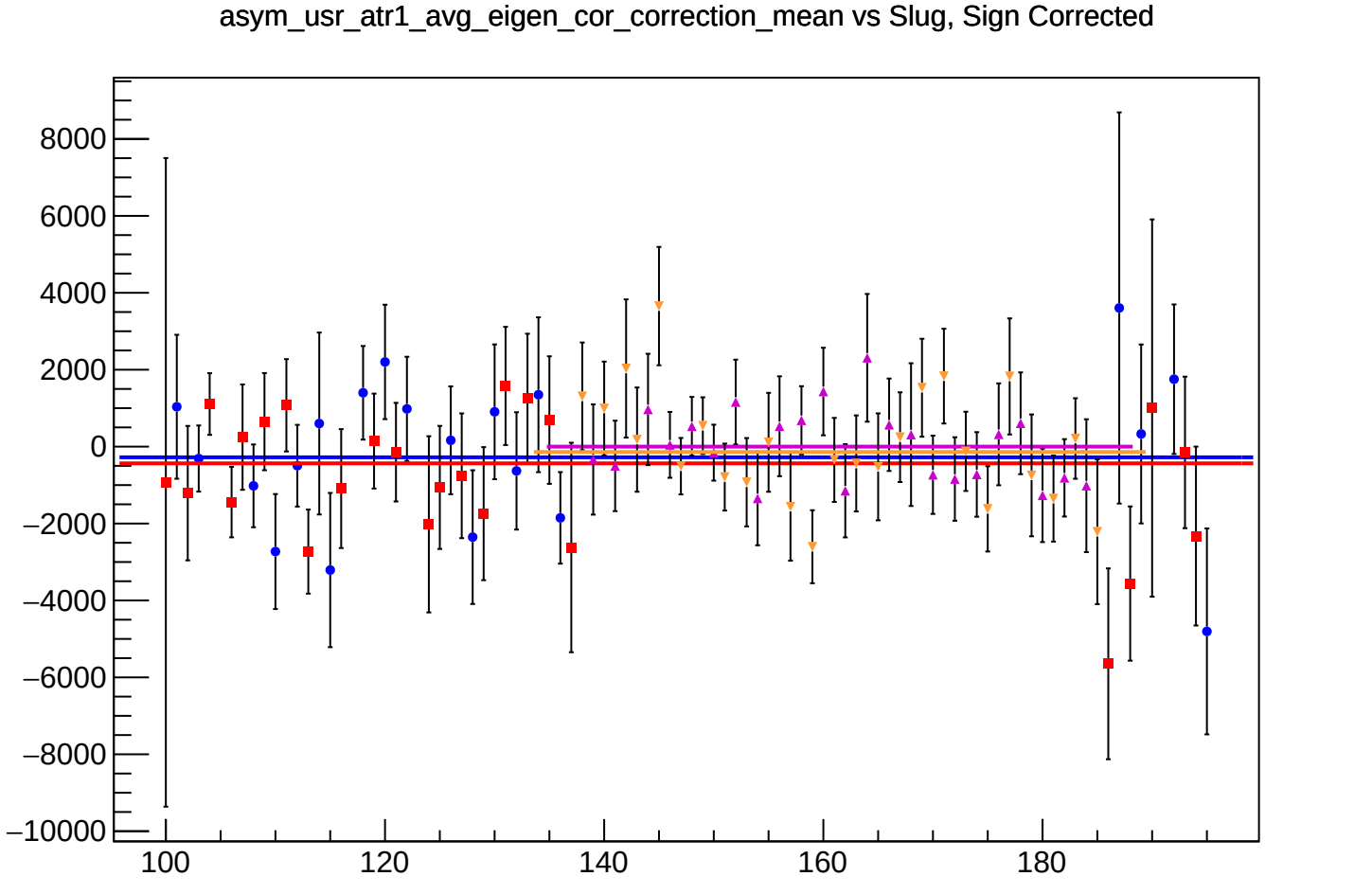
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1648.938+/-0.260 χ^2/NDF: 812722.7/43

In: 1625.224+/-0.218 χ^2/NDF:675582.7/42

Out: 1625.328+/-0.210 χ^2/NDF:153214.5/48

All: 1625.278+/-0.151 χ^2/NDF: 828797.2/91


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
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−2000
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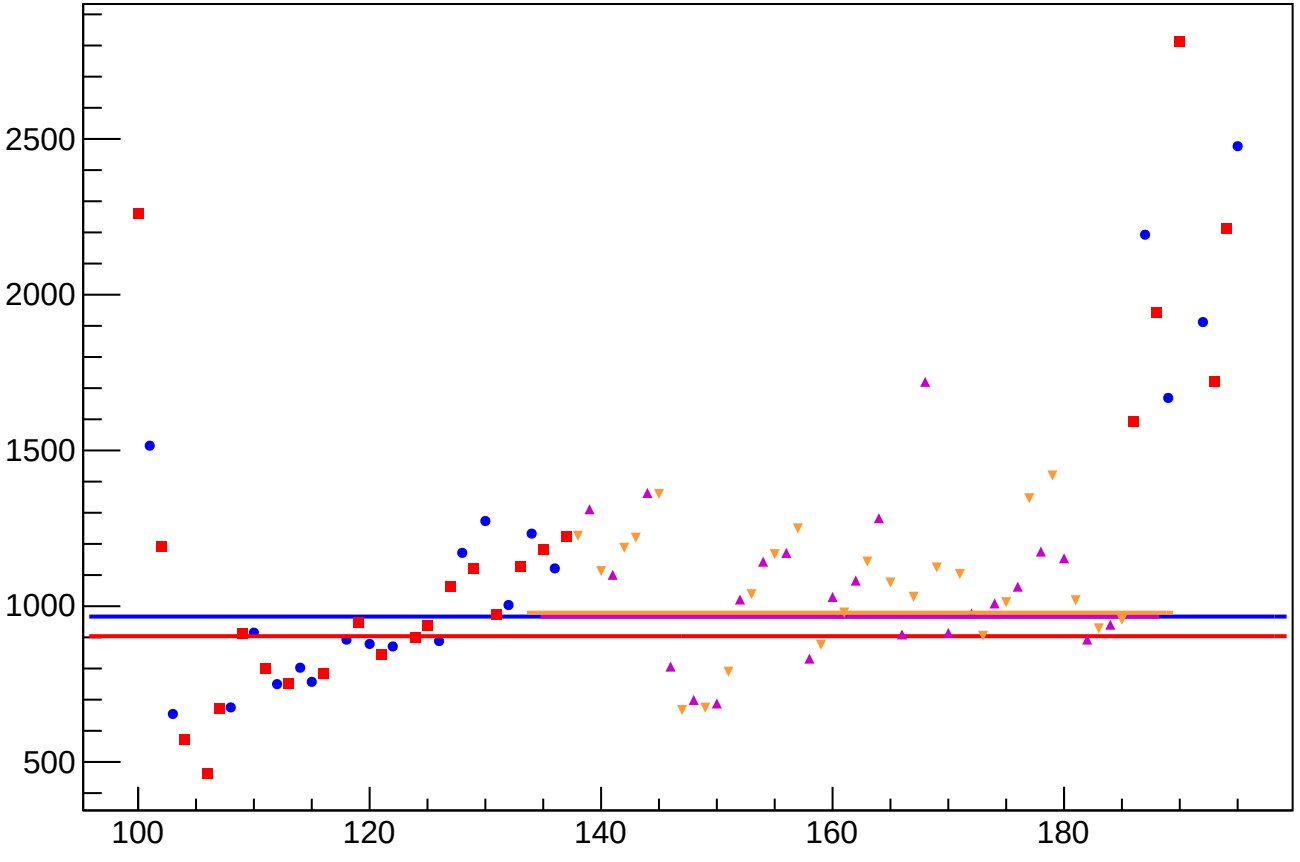
−8000
−10000
100
120
140
160
180
Right In: -277.987+/-331.352 χ²/NDF: 20.6/19
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -434.712+/-302.537 χ²/NDF: 25.2/23
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -363.459+/-223.420 χ²/NDF: 45.9/43
In: -91.442+/-189.995 χ²/NDF:33.9/42
Out: -246.835+/-182.654 χ²/NDF:56.0/48
All: -172.198+/-131.675 χ²/NDF: 90.2/91

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 966.743+/-0.234 χ^2/NDF: 2296944.3/19

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 903.811+/-0.214 χ^2/NDF: 3189039.9/23

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

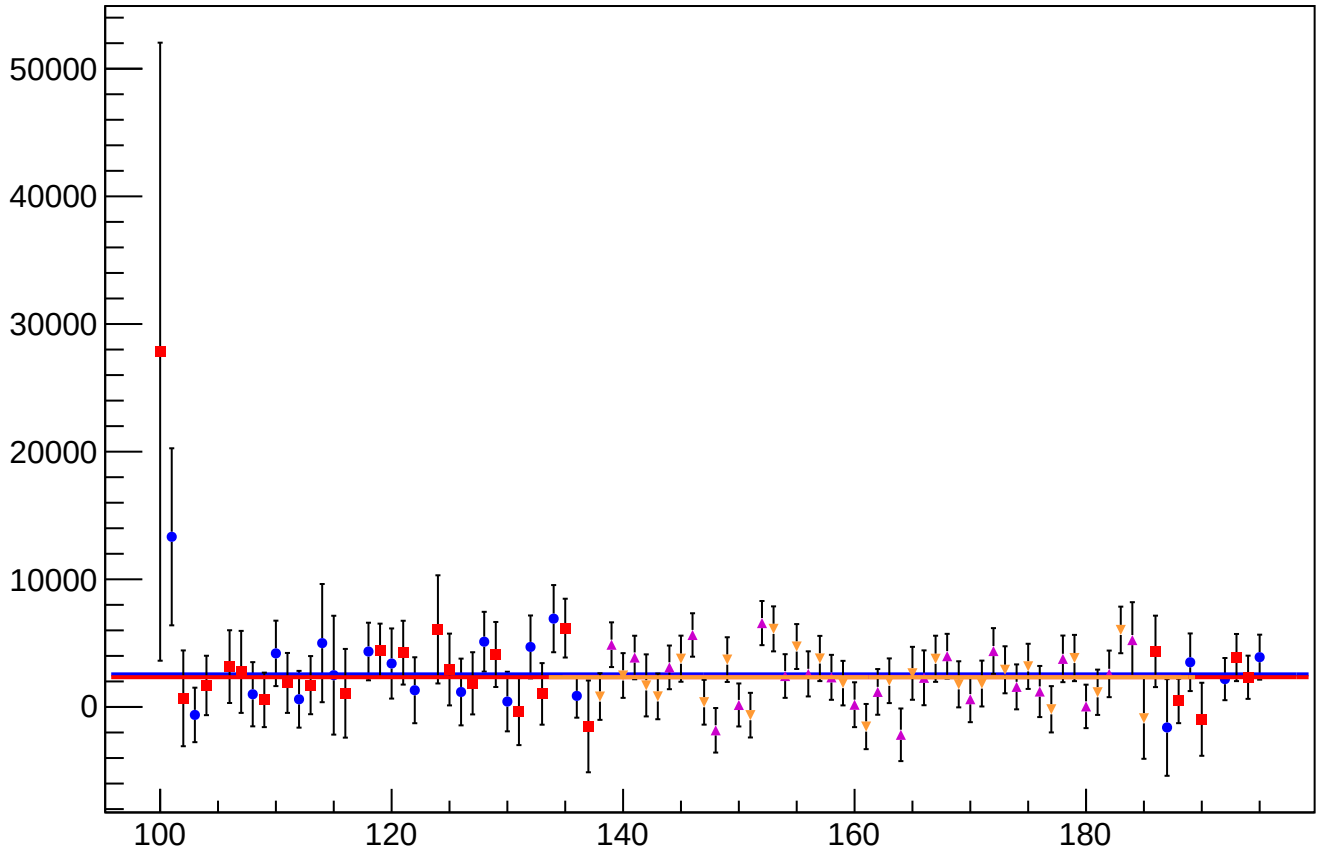
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 932.422+/-0.158 χ^2/NDF: 5525328.1/43

In: 966.601+/-0.134 χ^2/NDF:3899507.0/42

Out: 951.777+/-0.129 χ^2/NDF:4898878.7/48

All: 958.897+/-0.093 χ^2/NDF: 8804713.4/91



Right In: 2553.634+/-538.909 χ^2/NDF: 16.2/19

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2331.778+/-510.029 χ^2/NDF: 14.3/23

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

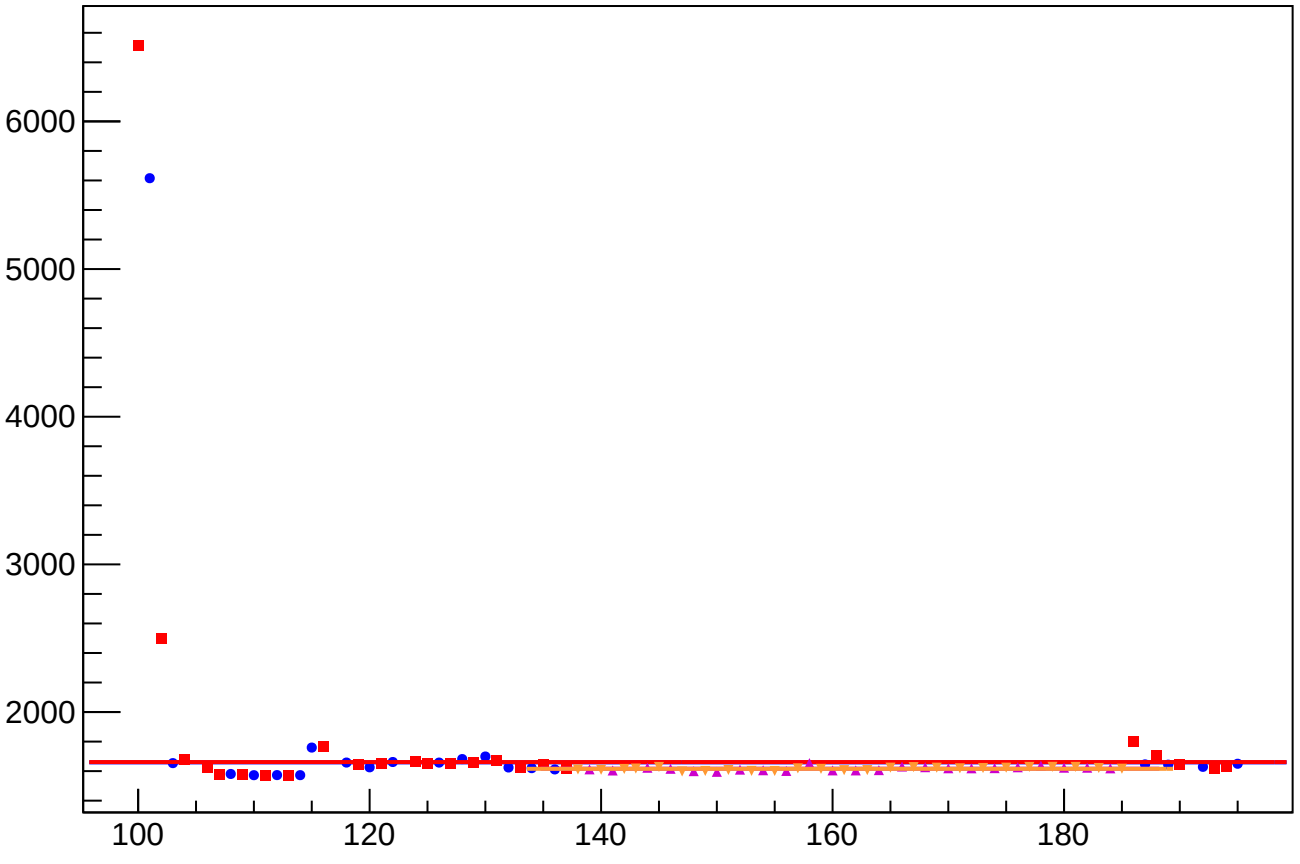
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2436.602+/-370.434 χ^2/NDF: 30.6/43

In: 2423.909+/-309.134 χ^2/NDF:50.3/42

Out: 2333.795+/-297.889 χ^2/NDF:42.5/48

All: 2377.184+/-214.505 χ^2/NDF: 92.9/91



Right In: 1659.164+/-0.381 χ^2/NDF: 664017.0/19

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.320+/-0.361 χ^2/NDF: 201440.7/23

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

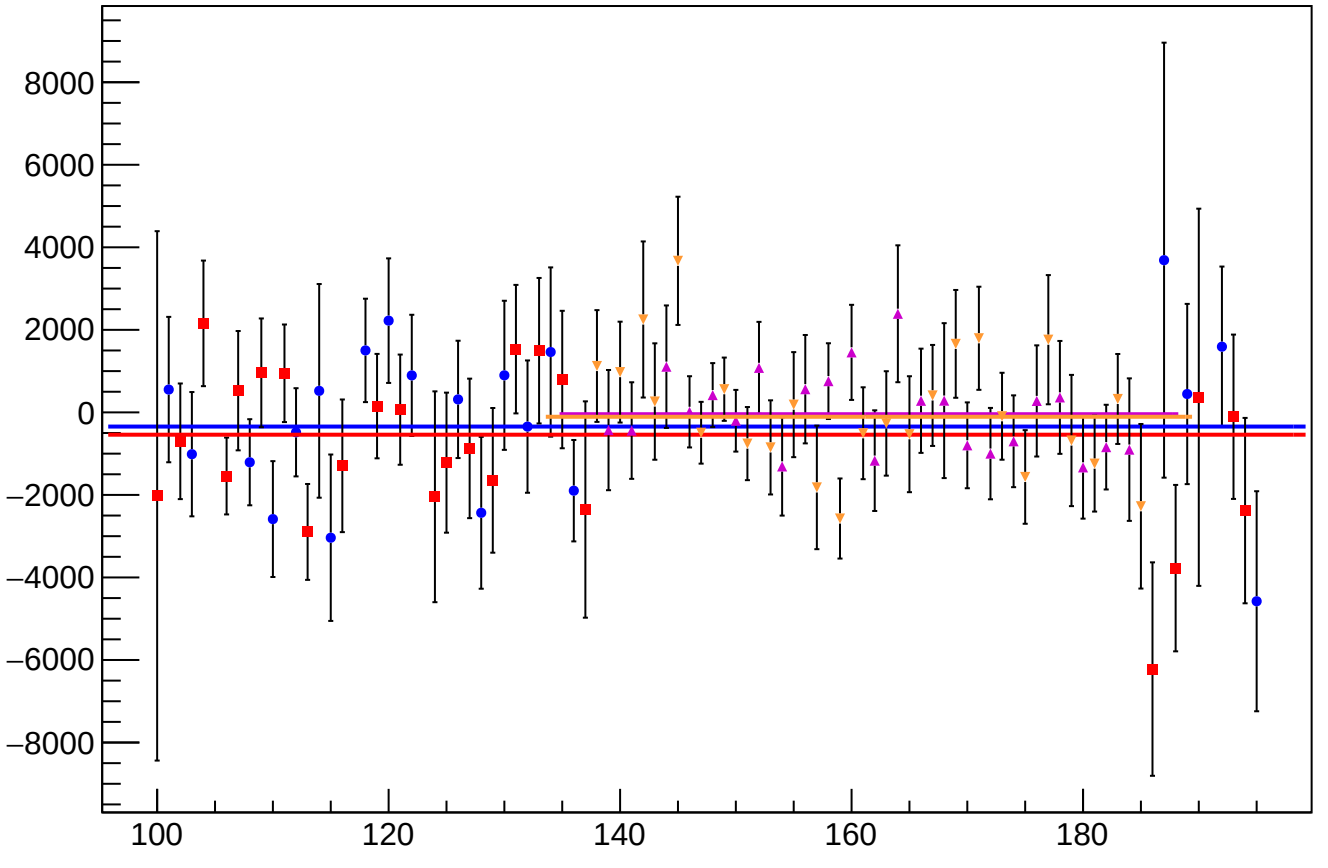
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1660.302+/-0.262 χ^2/NDF: 865474.6/43

In: 1630.445+/-0.219 χ^2/NDF:675040.1/42

Out: 1631.218+/-0.211 χ^2/NDF:213461.6/48

All: 1630.846+/-0.152 χ^2/NDF: 888508.2/91



Right In: -343.659+/-352.715 χ^2/NDF: 20.0/19

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -540.988+/-324.224 χ^2/NDF: 26.0/23

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

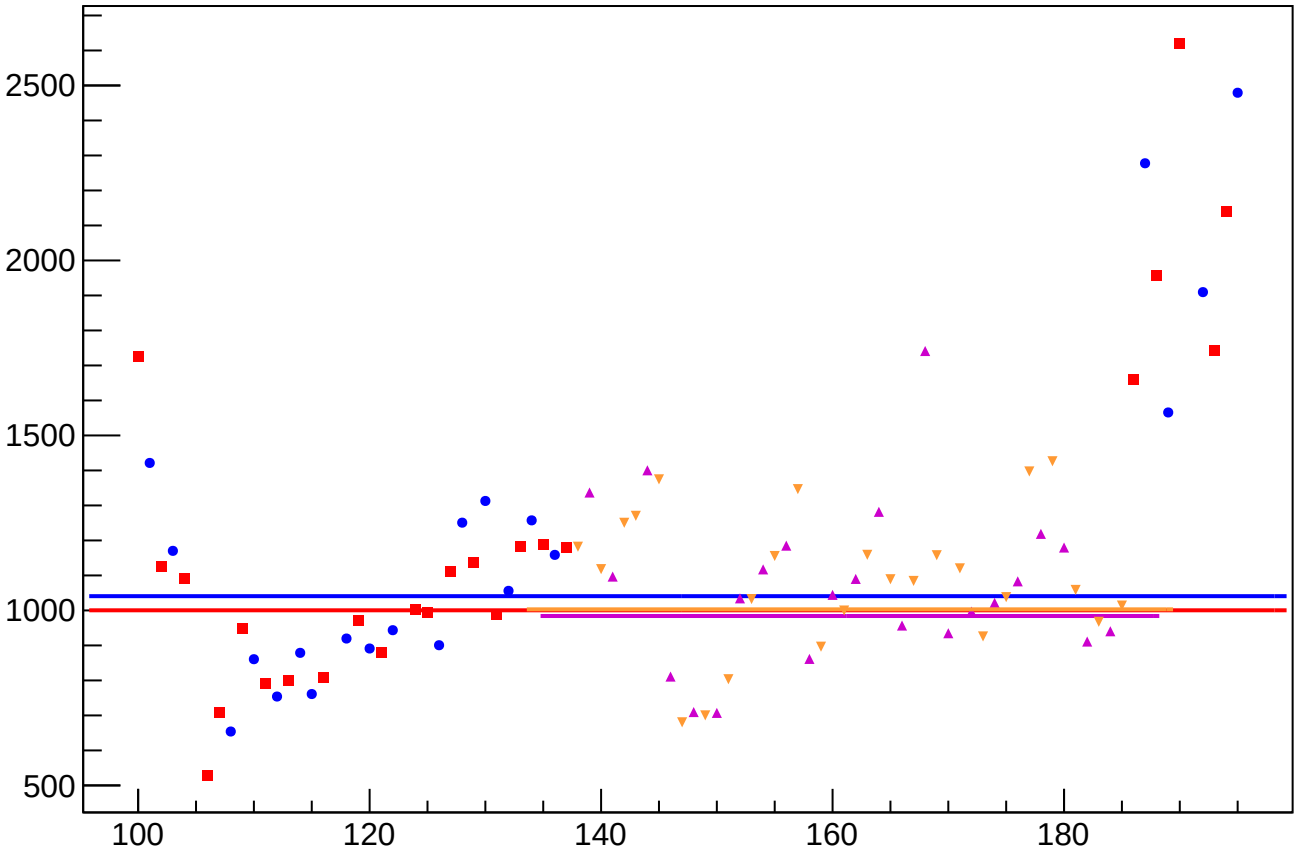
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -450.614+/-238.699 χ^2/NDF: 46.1/43

In: -136.847+/-195.990 χ^2/NDF:33.3/42

Out: -255.457+/-189.907 χ^2/NDF:56.2/48

All: -198.021+/-136.384 χ^2/NDF: 89.6/91



Right In: 1040.770+/-0.249 χ^2/NDF: 1993643.3/19

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1000.371+/-0.229 χ^2/NDF: 2517149.6/23

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

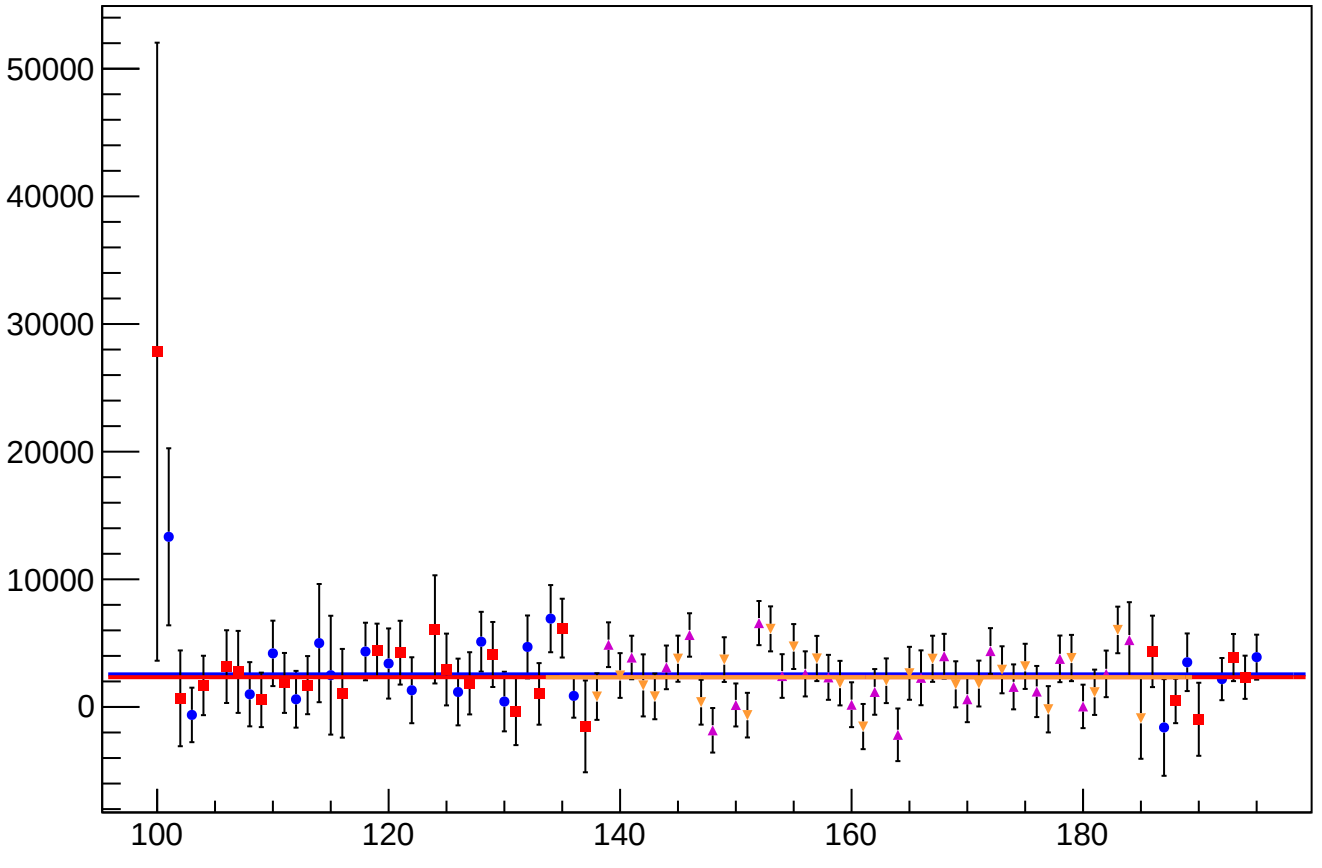
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1018.873+/-0.169 χ^2/NDF: 4525013.5/43

In: 1001.565+/-0.139 χ^2/NDF:3588950.6/42

Out: 1002.164+/-0.134 χ^2/NDF:4115658.3/48

All: 1001.874+/-0.096 χ^2/NDF: 7704618.5/91



Right In: 2553.633+/-538.909 χ^2/NDF: 16.2/19

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2331.776+/-510.029 χ^2/NDF: 14.3/23

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

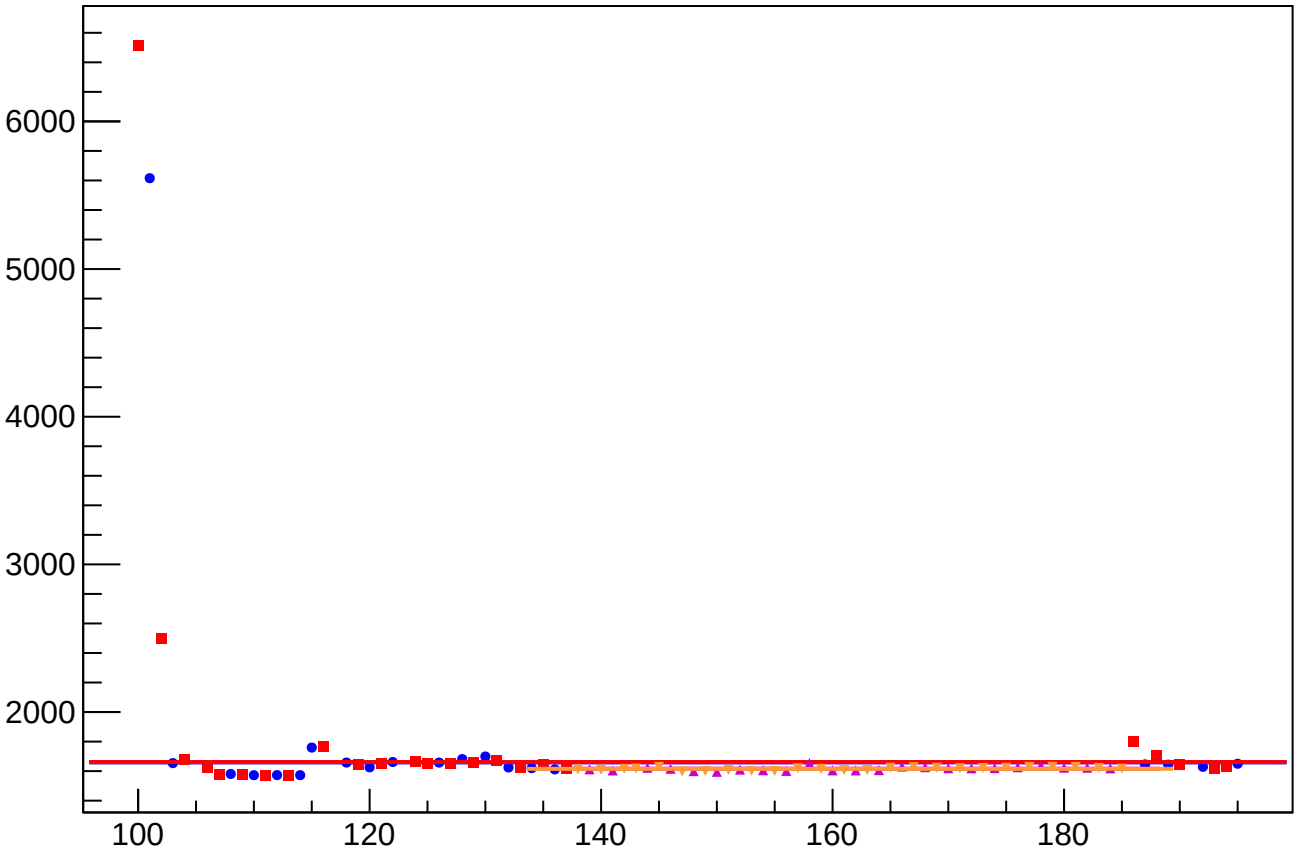
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2436.601+/-370.434 χ^2/NDF: 30.6/43

In: 2423.909+/-309.134 χ^2/NDF:50.3/42

Out: 2333.794+/-297.889 χ^2/NDF:42.5/48

All: 2377.183+/-214.505 χ^2/NDF: 92.9/91



Right In: 1659.164+/-0.381 χ^2/NDF: 664017.0/19

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.320+/-0.361 χ^2/NDF: 201440.5/23

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

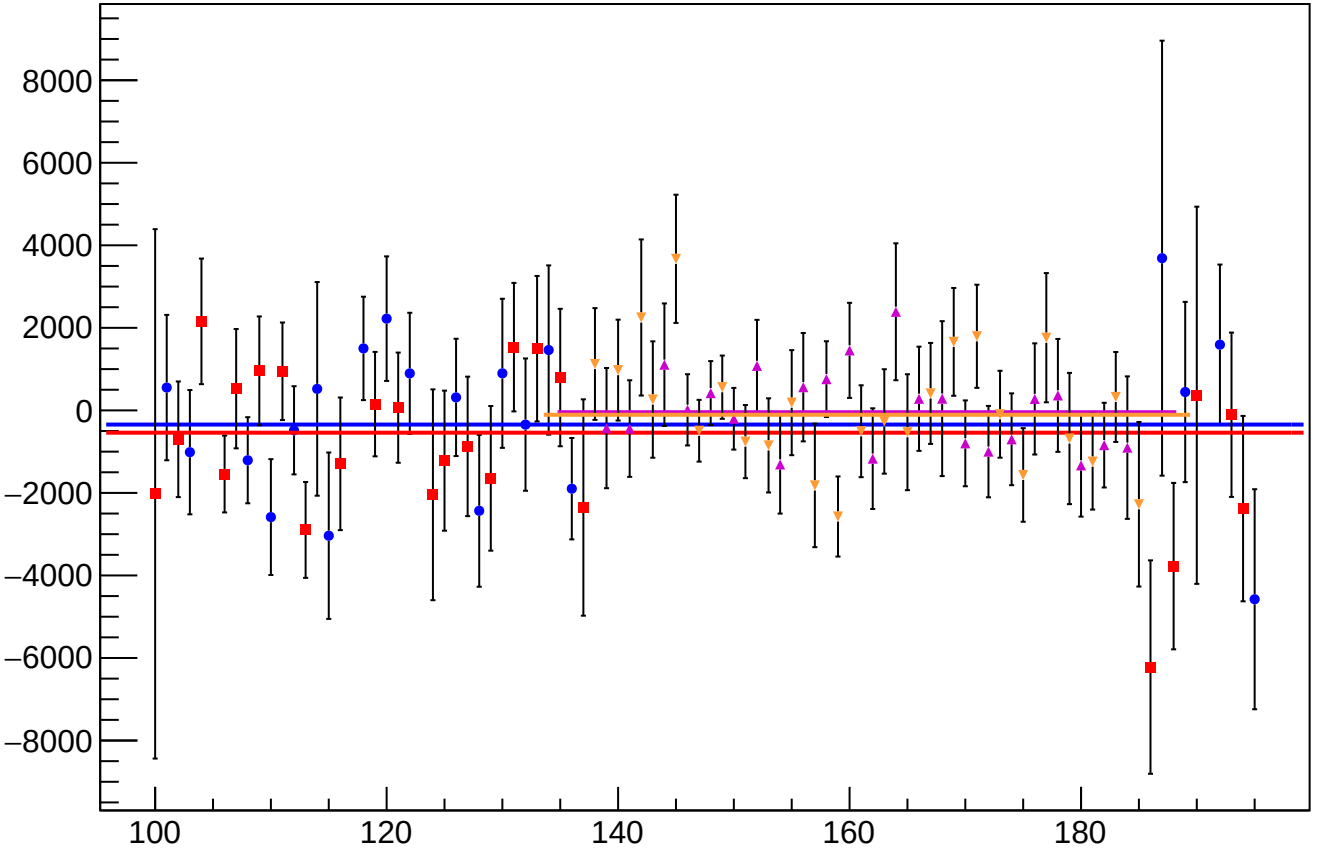
Right: 1660.301+/-0.262 χ^2/NDF: 865474.5/43

In: 1630.445+/-0.219 χ^2/NDF:675040.1/42

Out: 1631.218+/-0.211 χ^2/NDF:213461.4/48

All: 1630.846+/-0.152 χ^2/NDF: 888508.0/91

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -343.658+/-352.713 χ^2/NDF: 20.0/19

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -540.986+/-324.223 χ^2/NDF: 26.0/23

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

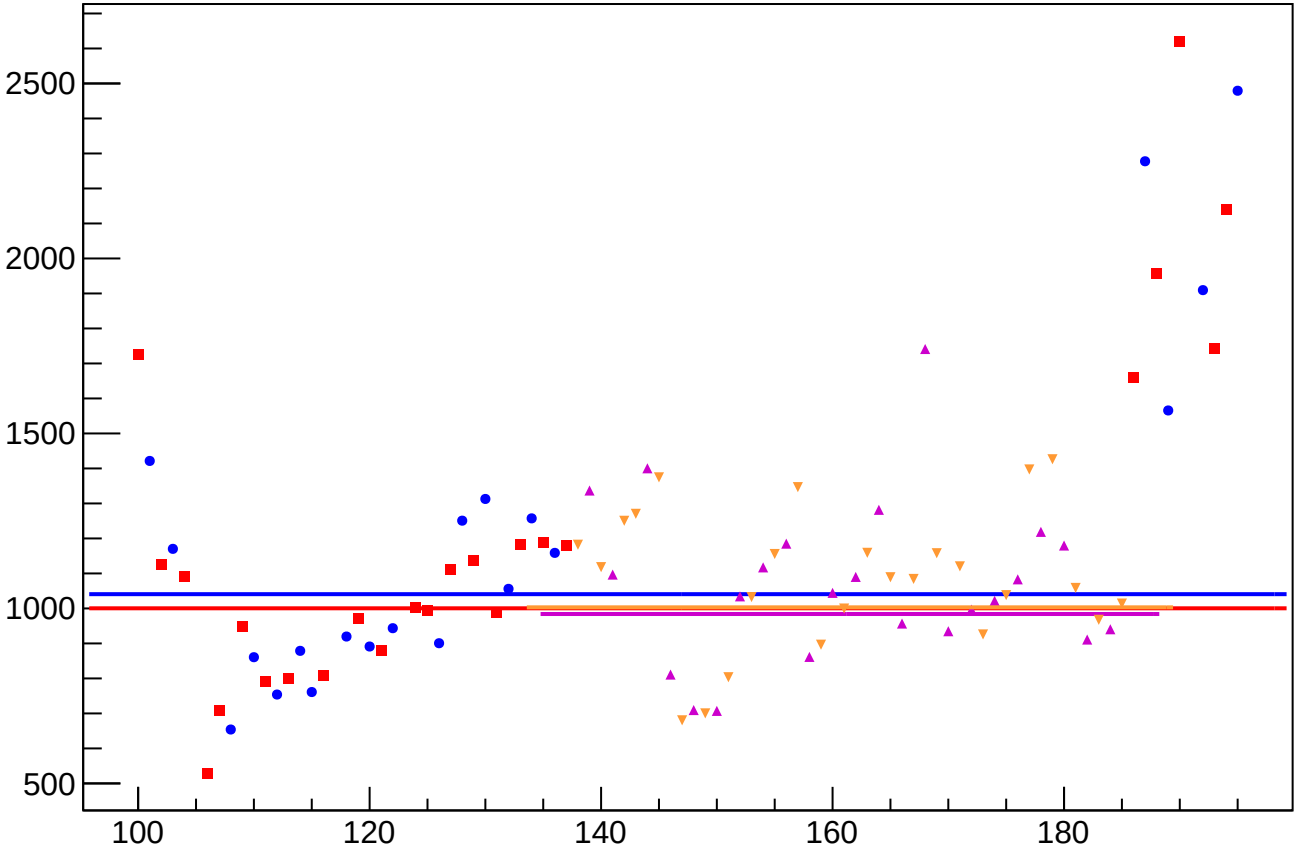
Right: -450.612+/-238.698 χ^2/NDF: 46.1/43

In: -136.847+/-195.990 χ^2/NDF:33.3/42

Out: -255.458+/-189.907 χ^2/NDF:56.2/48

All: -198.022+/-136.384 χ^2/NDF: 89.6/91

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1040.765+/-0.249 χ^2/NDF: 1993662.8/19

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1000.369+/-0.229 χ^2/NDF: 2517158.6/23

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

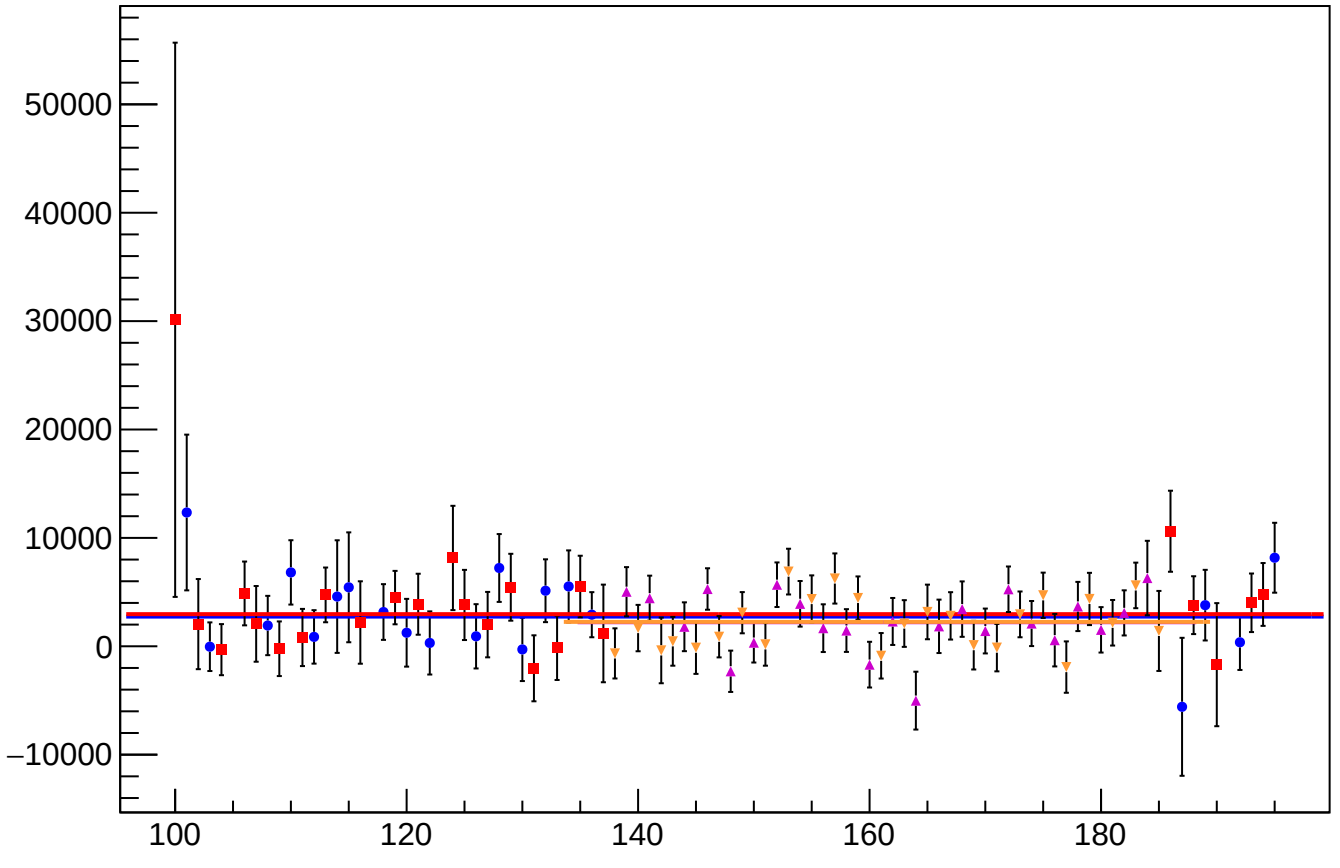
Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

Right: 1018.870+/-0.169 χ^2/NDF: 4525041.1/43

In: 1001.565+/-0.139 χ^2/NDF:3588964.6/42

Out: 1002.165+/-0.134 χ^2/NDF:4115669.8/48

All: 1001.875+/-0.096 χ^2/NDF: 7704644.0/91



Right In: 2739.858+/-671.303 χ^2/NDF: 17.6/19

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 2964.299+/-632.101 χ^2/NDF: 19.1/23

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

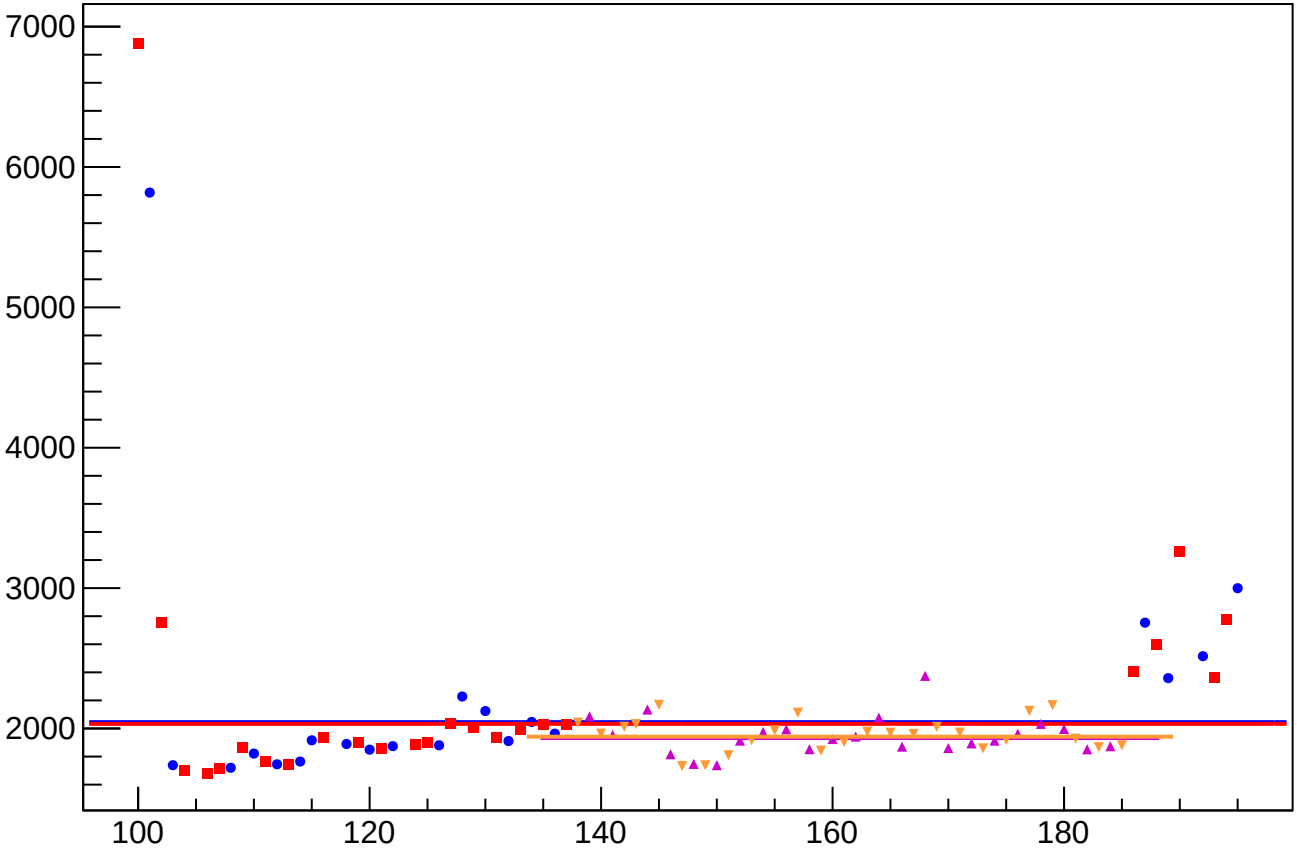
Right: 2858.823+/-460.198 χ^2/NDF: 36.8/43

In: 2381.892+/-375.095 χ^2/NDF:49.6/42

Out: 2486.318+/-362.344 χ^2/NDF:48.3/48

All: 2435.910+/-260.607 χ^2/NDF: 97.9/91

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2045.178+/-0.475 χ^2/NDF: 995423.0/19

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2033.066+/-0.447 χ^2/NDF: 662159.0/23

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

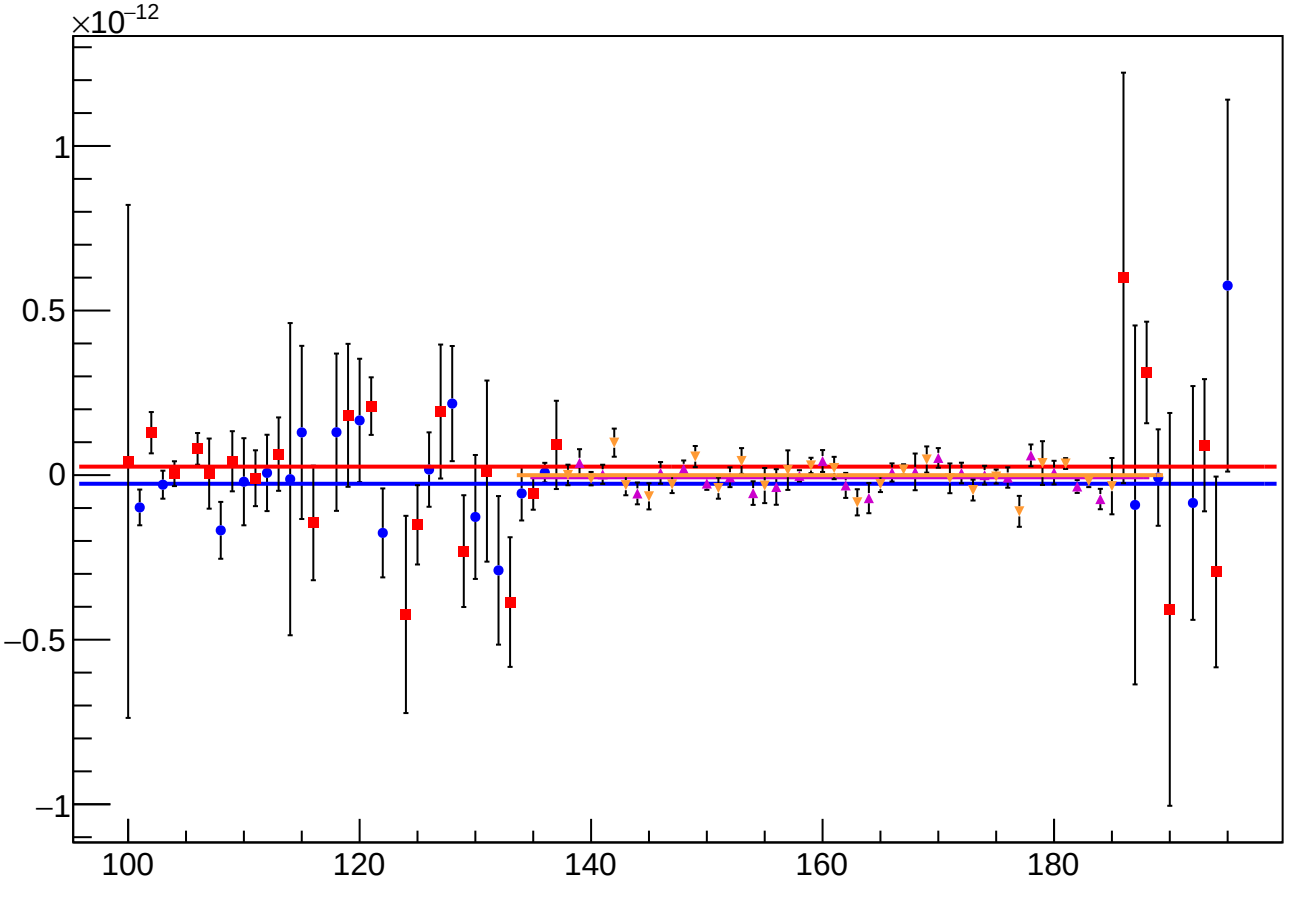
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2038.758+/-0.325 χ^2/NDF: 1657927.1/43

In: 1967.206+/-0.265 χ^2/NDF:1194529.4/42

Out: 1971.645+/-0.256 χ^2/NDF:829297.0/48

All: 1969.502+/-0.184 χ^2/NDF: 2023971.3/91



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/23

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

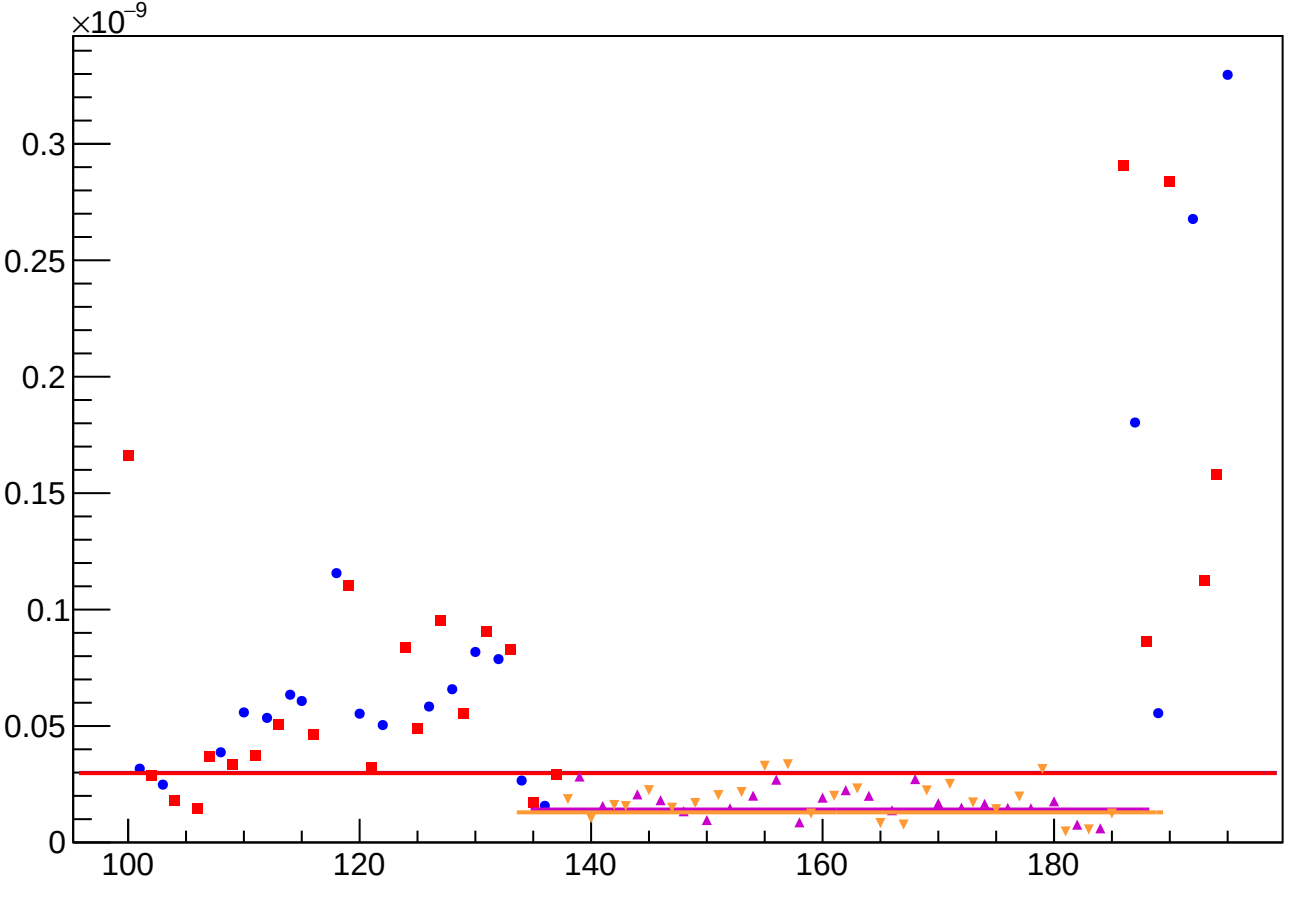
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 49.3/43

In: -0.000+/-0.000 χ^2/NDF:42.4/42

Out: 0.000+/-0.000 χ^2/NDF:73.6/48

All: -0.000+/-0.000 χ^2/NDF: 117.7/91



Right In: 0.000+/-0.000 χ^2/NDF: 3179703.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3310095.9/23

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

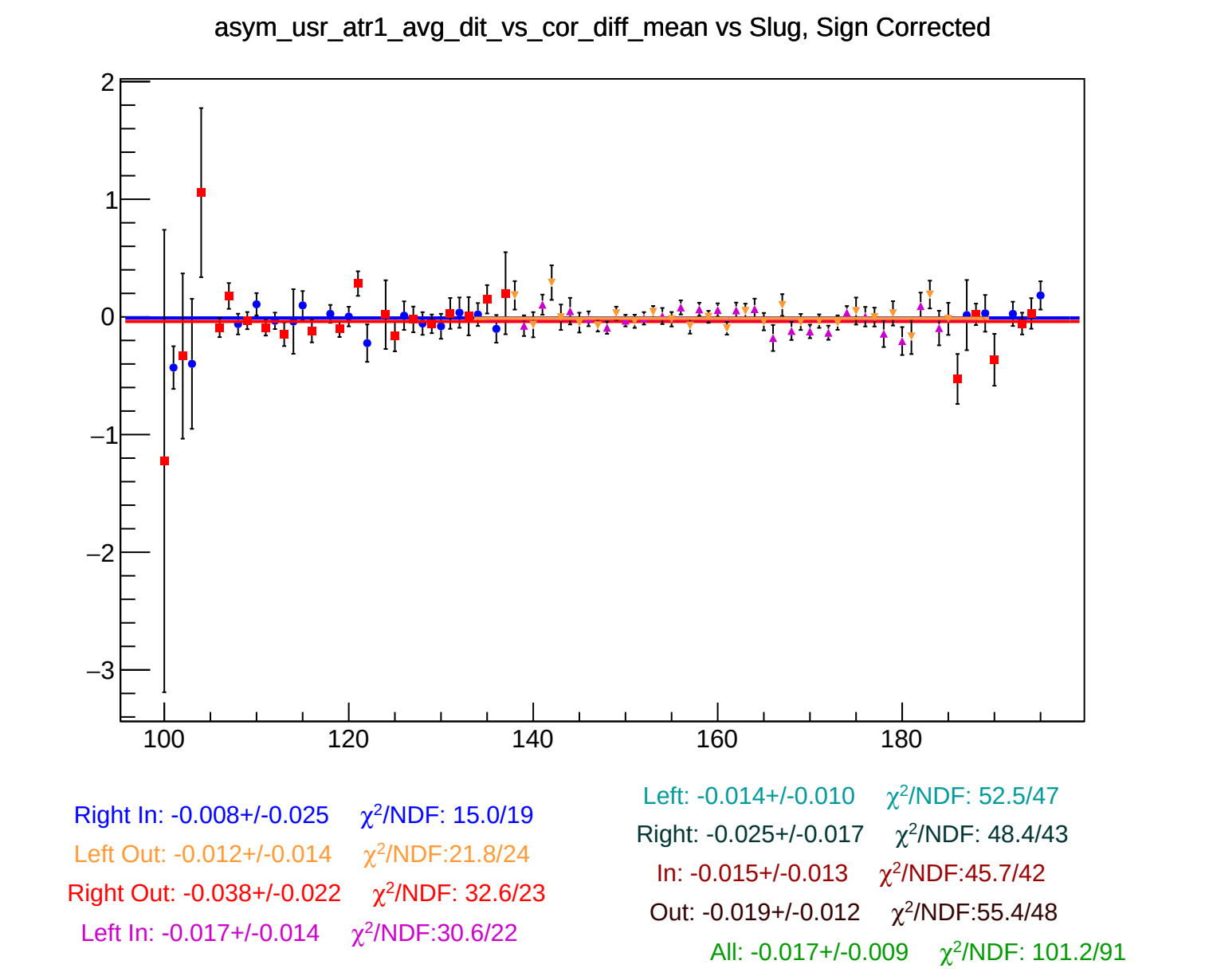
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

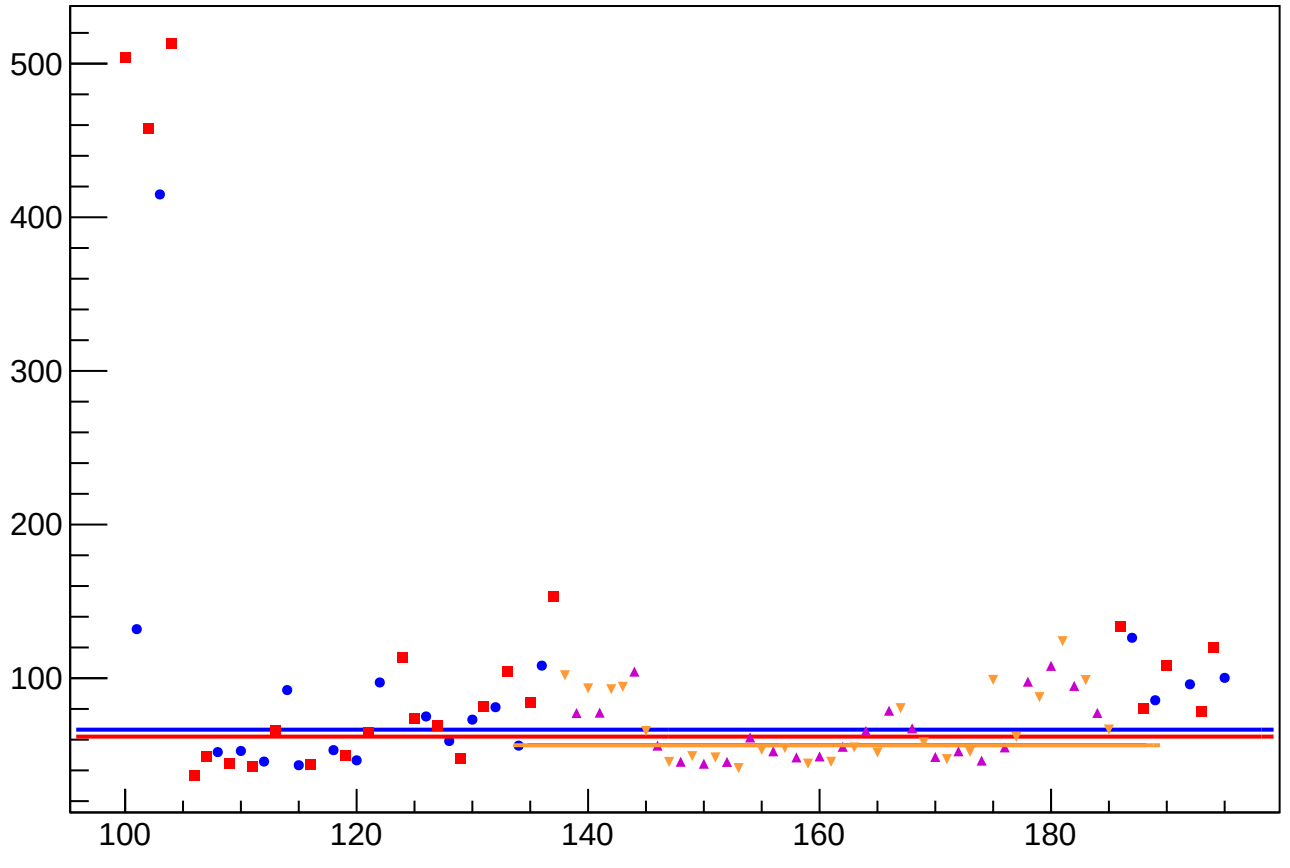
Right: 0.000+/-0.000 χ^2/NDF: 6489823.8/43

In: 0.000+/-0.000 χ^2/NDF:5948596.5/42

Out: 0.000+/-0.000 χ^2/NDF:7568236.4/48

All: 0.000+/-0.000 χ^2/NDF: 13571836.7/91


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
Right In: -0.008+/-0.025 χ²/NDF: 15.0/19
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.038+/-0.022 χ²/NDF: 32.6/23
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.025+/-0.017 χ²/NDF: 48.4/43
In: -0.015+/-0.013 χ²/NDF:45.7/42
Out: -0.019+/-0.012 χ²/NDF:55.4/48
All: -0.017+/-0.009 χ²/NDF: 101.2/91



Right In: 66.511+/-0.017 χ^2/NDF: 2431053.5/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 61.986+/-0.016 χ^2/NDF: 3572406.0/23

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

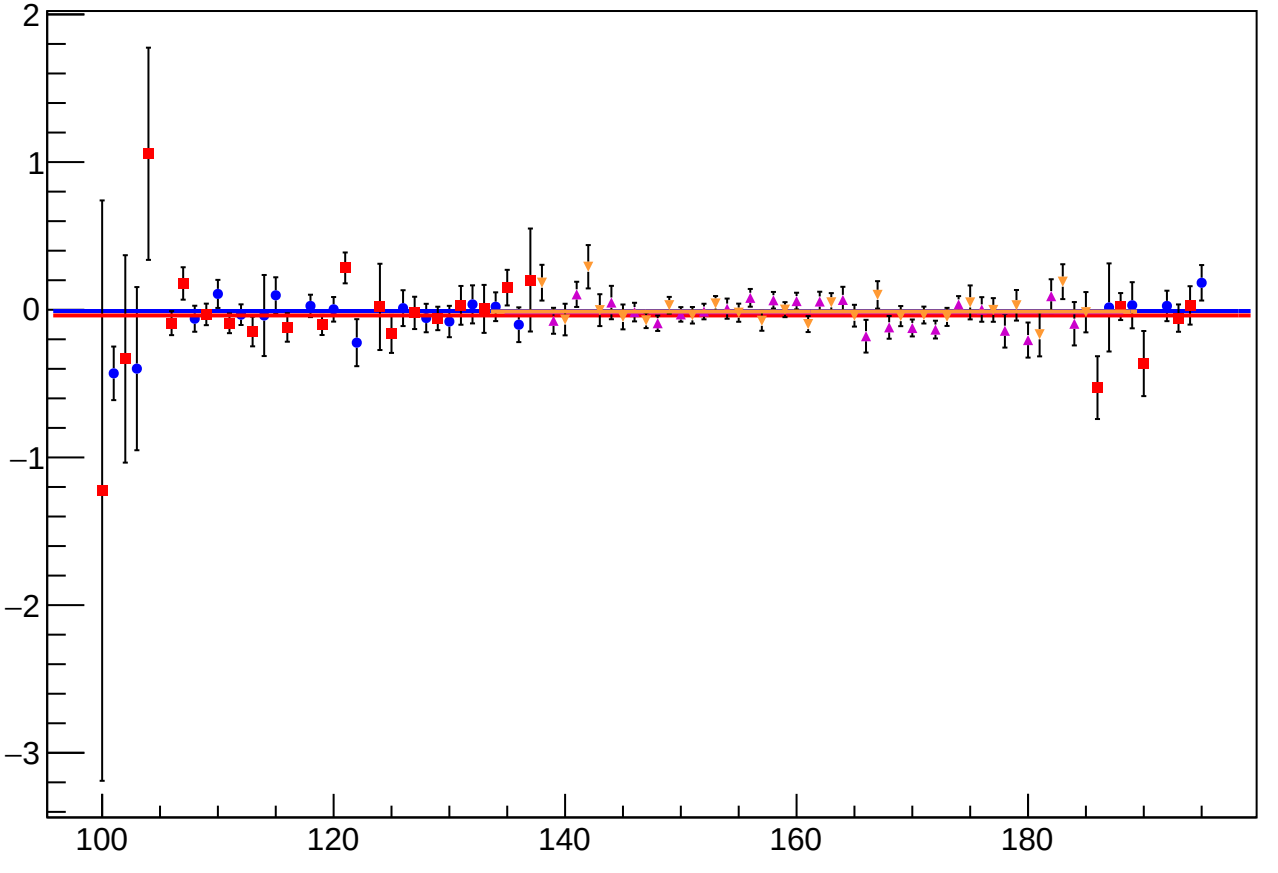
Right: 64.024+/-0.012 χ^2/NDF: 6040216.0/43

In: 59.031+/-0.009 χ^2/NDF:4816570.5/42

Out: 58.001+/-0.009 χ^2/NDF:6458852.7/48

All: 58.498+/-0.006 χ^2/NDF: 11282449.8/91

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.025 χ^2/NDF: 15.0/19

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.038+/-0.022 χ^2/NDF: 32.6/23

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

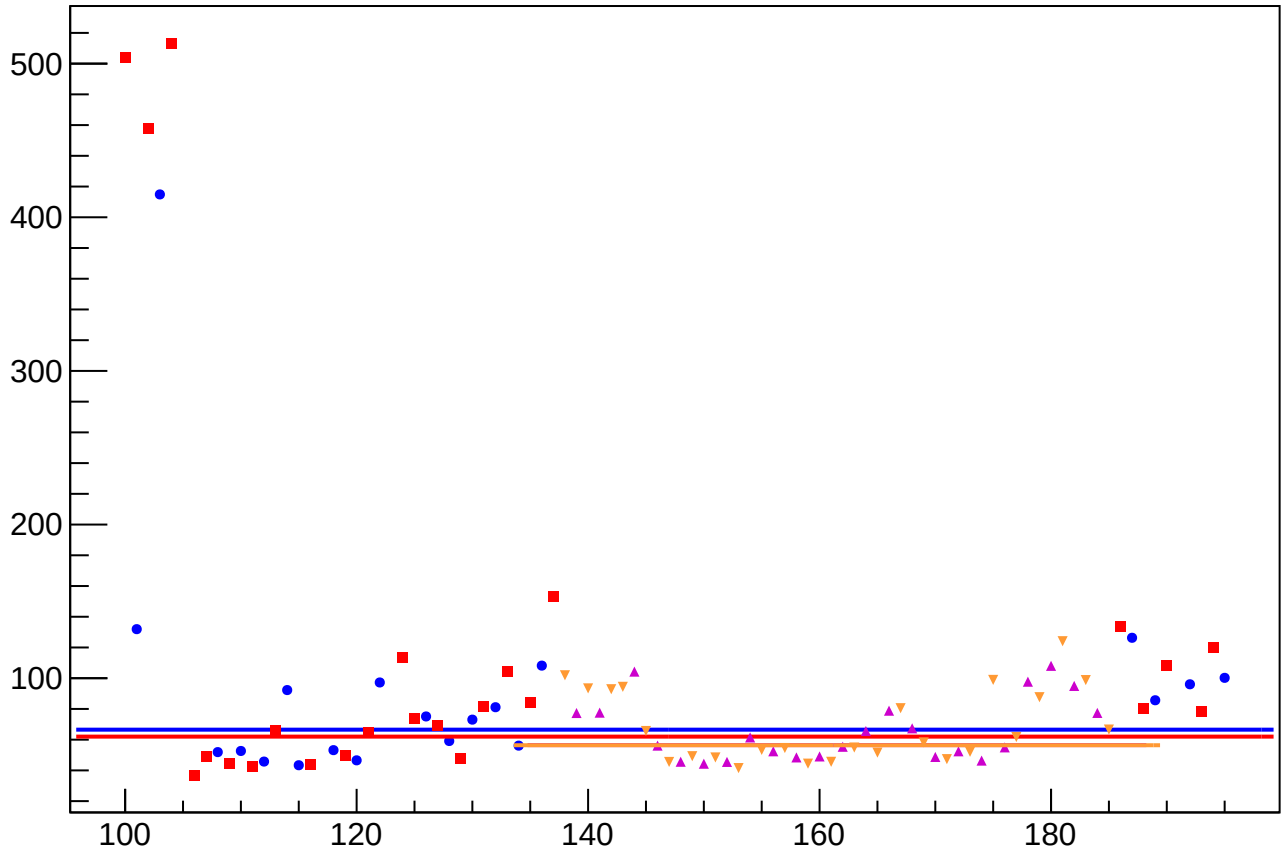
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.025+/-0.017 χ^2/NDF: 48.4/43

In: -0.015+/-0.013 χ^2/NDF:45.7/42

Out: -0.019+/-0.012 χ^2/NDF:55.4/48

All: -0.017+/-0.009 χ^2/NDF: 101.2/91



Right In: 66.511+/-0.017 χ^2/NDF: 2431053.5/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 61.986+/-0.016 χ^2/NDF: 3572406.0/23

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

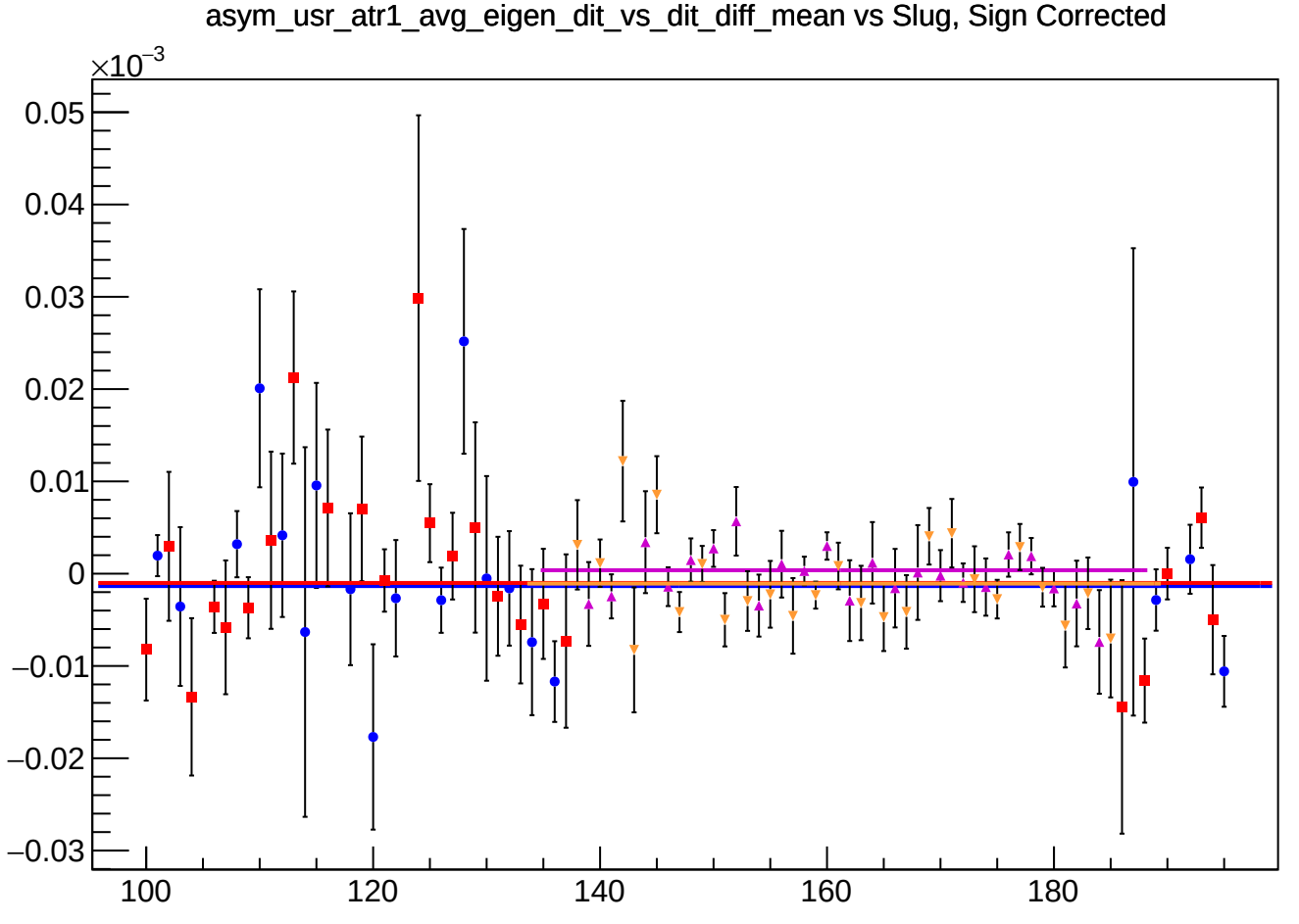
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 64.024+/-0.012 χ^2/NDF: 6040216.0/43

In: 59.031+/-0.009 χ^2/NDF:4816570.5/42

Out: 58.001+/-0.009 χ^2/NDF:6458852.7/48

All: 58.498+/-0.006 χ^2/NDF: 11282449.8/91



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/23

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

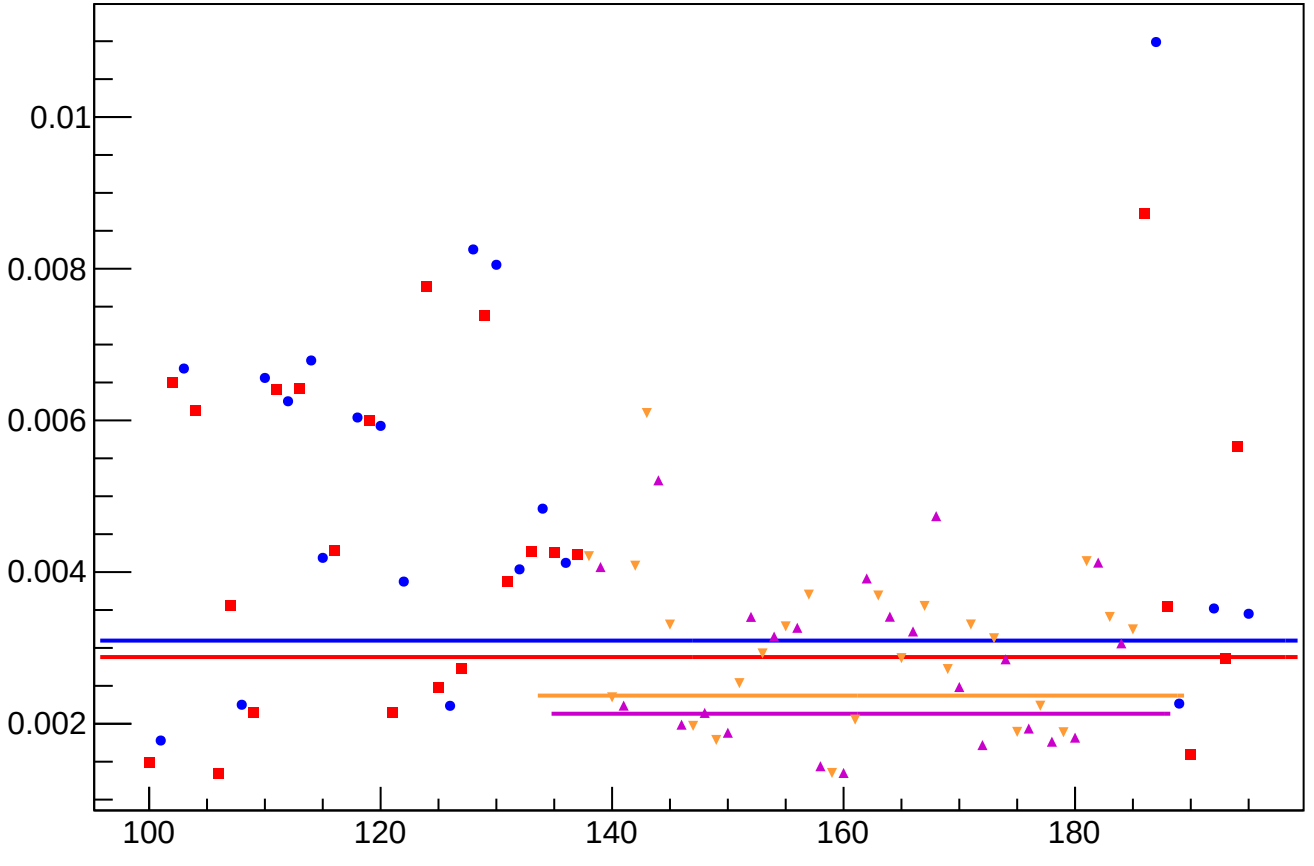
Right: -0.000+/-0.000 χ^2/NDF: 62.0/43

In: 0.000+/-0.000 χ^2/NDF:49.3/42

Out: -0.000+/-0.000 χ^2/NDF:63.6/48

All: -0.000+/-0.000 χ^2/NDF: 115.4/91

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3646028.9/19

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4566845.6/23

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

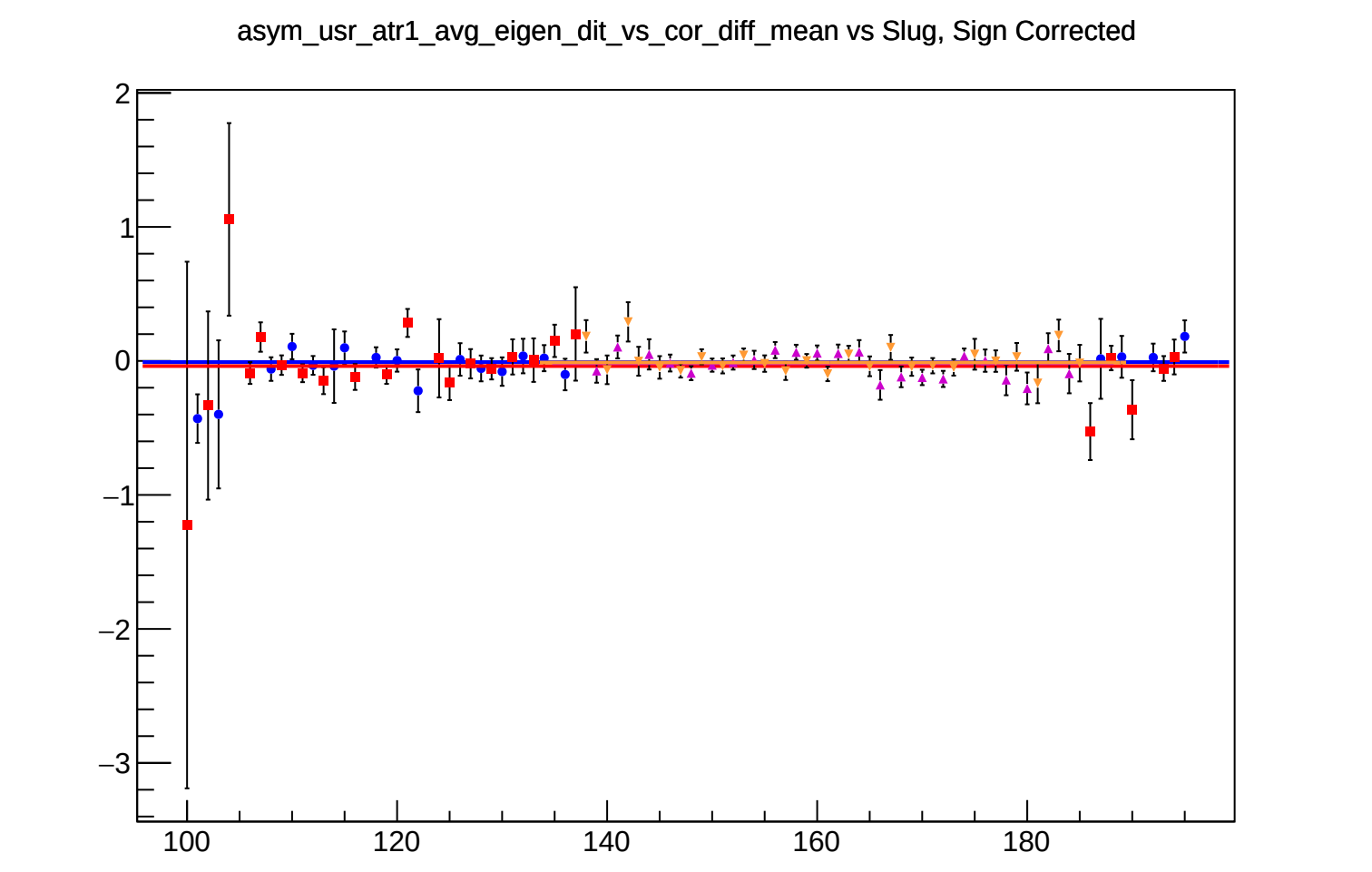
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 8253447.9/43

In: 0.002+/-0.000 χ^2/NDF:9370278.6/42

Out: 0.002+/-0.000 χ^2/NDF:9096590.8/48

All: 0.002+/-0.000 χ^2/NDF: 18600978.2/91



Right In: -0.008+/-0.025 χ^2/NDF: 15.0/19

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.038+/-0.022 χ^2/NDF: 32.6/23

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

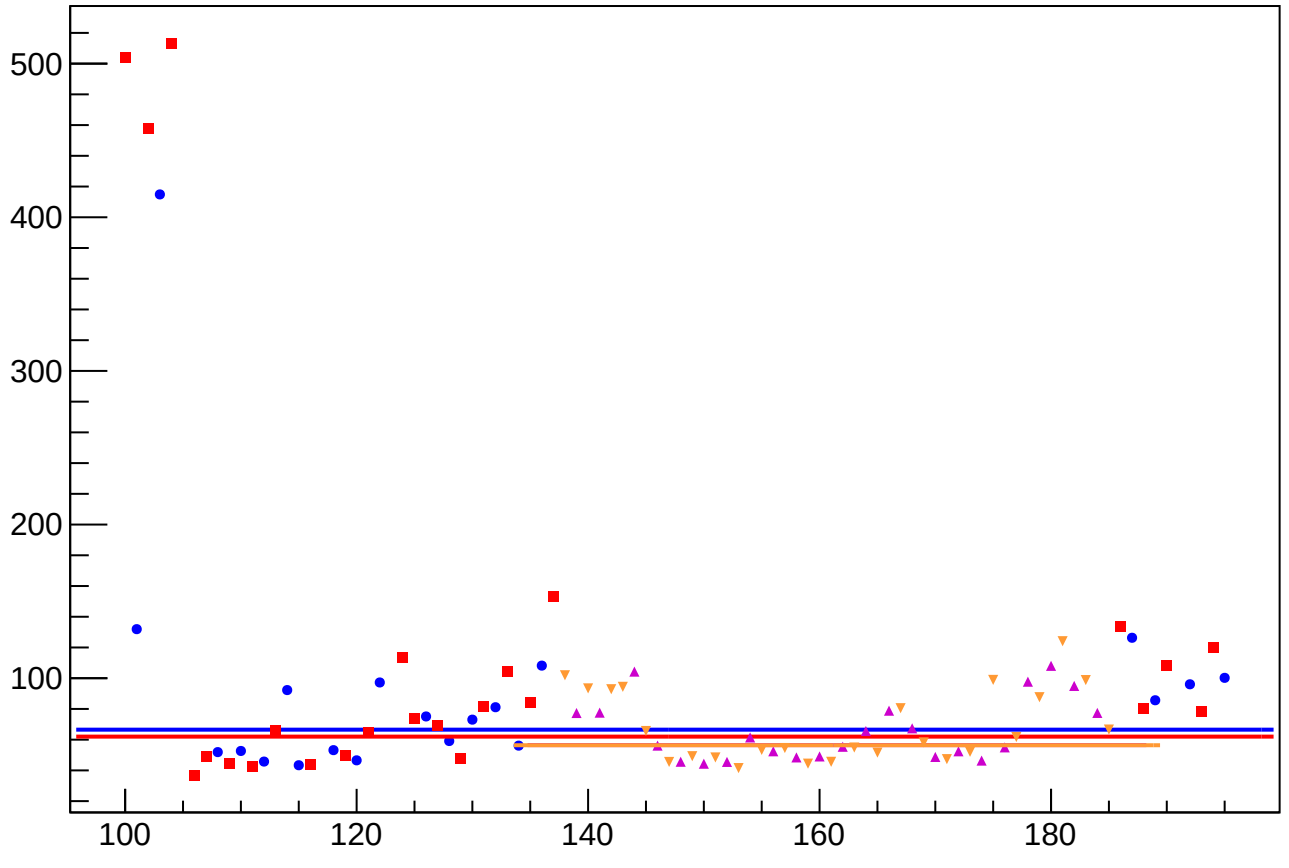
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.025+/-0.017 χ^2/NDF: 48.4/43

In: -0.015+/-0.013 χ^2/NDF:45.7/42

Out: -0.019+/-0.012 χ^2/NDF:55.4/48

All: -0.017+/-0.009 χ^2/NDF: 101.2/91



Right In: 66.510+/-0.017 χ^2/NDF: 2431025.8/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 61.985+/-0.016 χ^2/NDF: 3572424.1/23

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

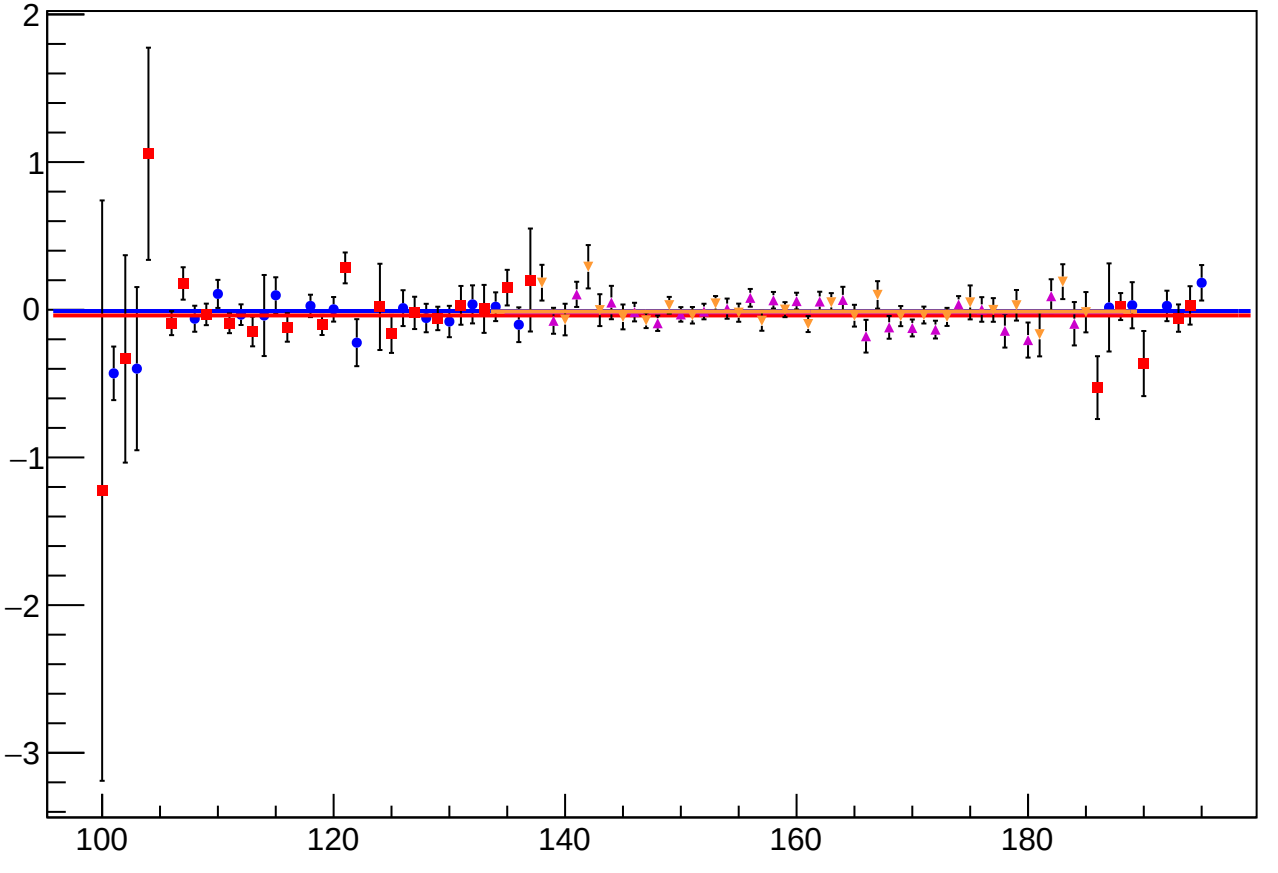
Right: 64.024+/-0.012 χ^2/NDF: 6040208.6/43

In: 59.031+/-0.009 χ^2/NDF:4816491.1/42

Out: 58.001+/-0.009 χ^2/NDF:6458915.9/48

All: 58.498+/-0.006 χ^2/NDF: 11282433.9/91

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.025 χ^2/NDF: 15.0/19

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.038+/-0.022 χ^2/NDF: 32.6/23

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

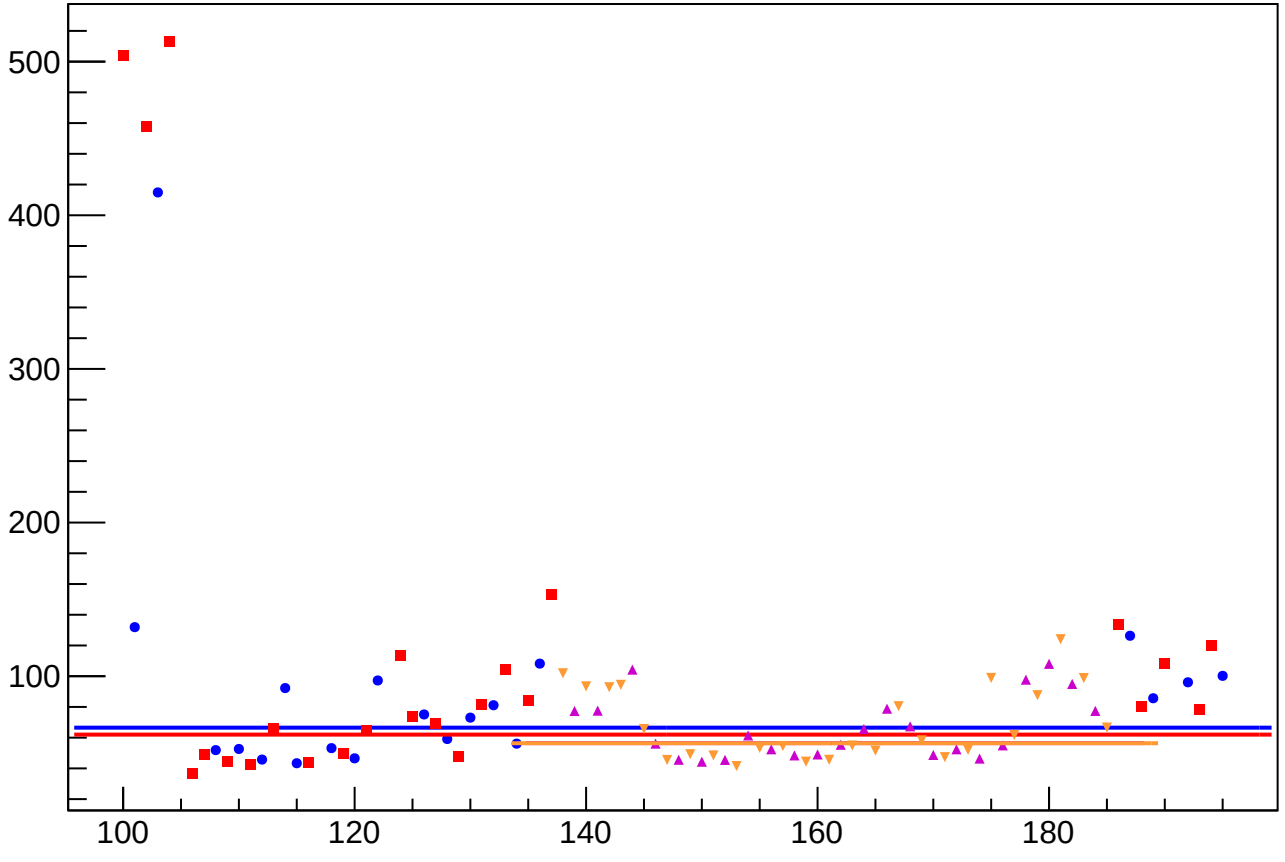
Right: -0.025+/-0.017 χ^2/NDF: 48.4/43

In: -0.015+/-0.013 χ^2/NDF:45.7/42

Out: -0.019+/-0.012 χ^2/NDF:55.4/48

All: -0.017+/-0.009 χ^2/NDF: 101.2/91

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.510+/-0.017 χ^2/NDF: 2431025.8/19

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 61.985+/-0.016 χ^2/NDF: 3572424.1/23

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

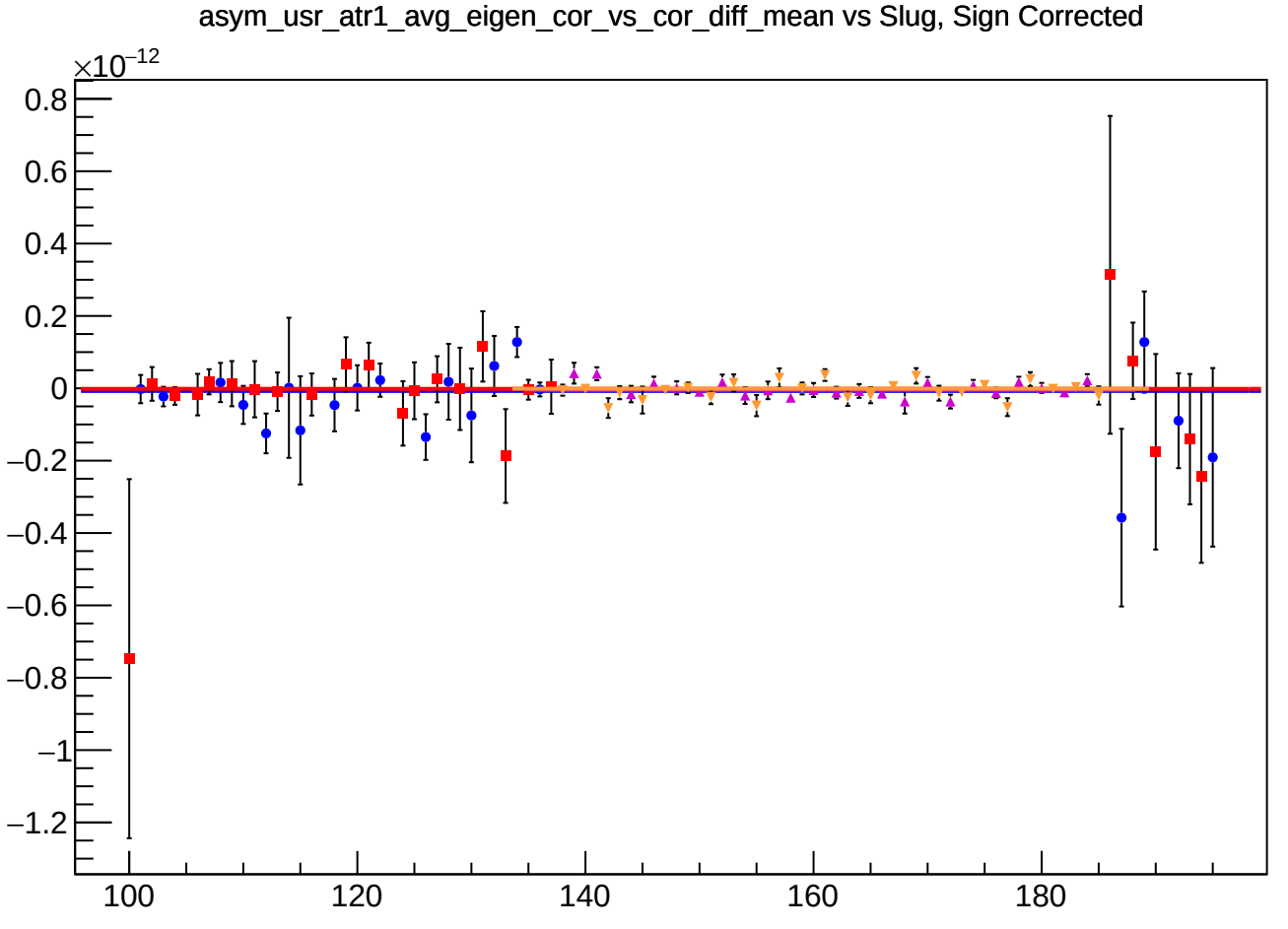
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 64.024+/-0.012 χ^2/NDF: 6040208.6/43

In: 59.031+/-0.009 χ^2/NDF:4816491.1/42

Out: 58.001+/-0.009 χ^2/NDF:6458915.9/48

All: 58.498+/-0.006 χ^2/NDF: 11282433.9/91



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/23

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

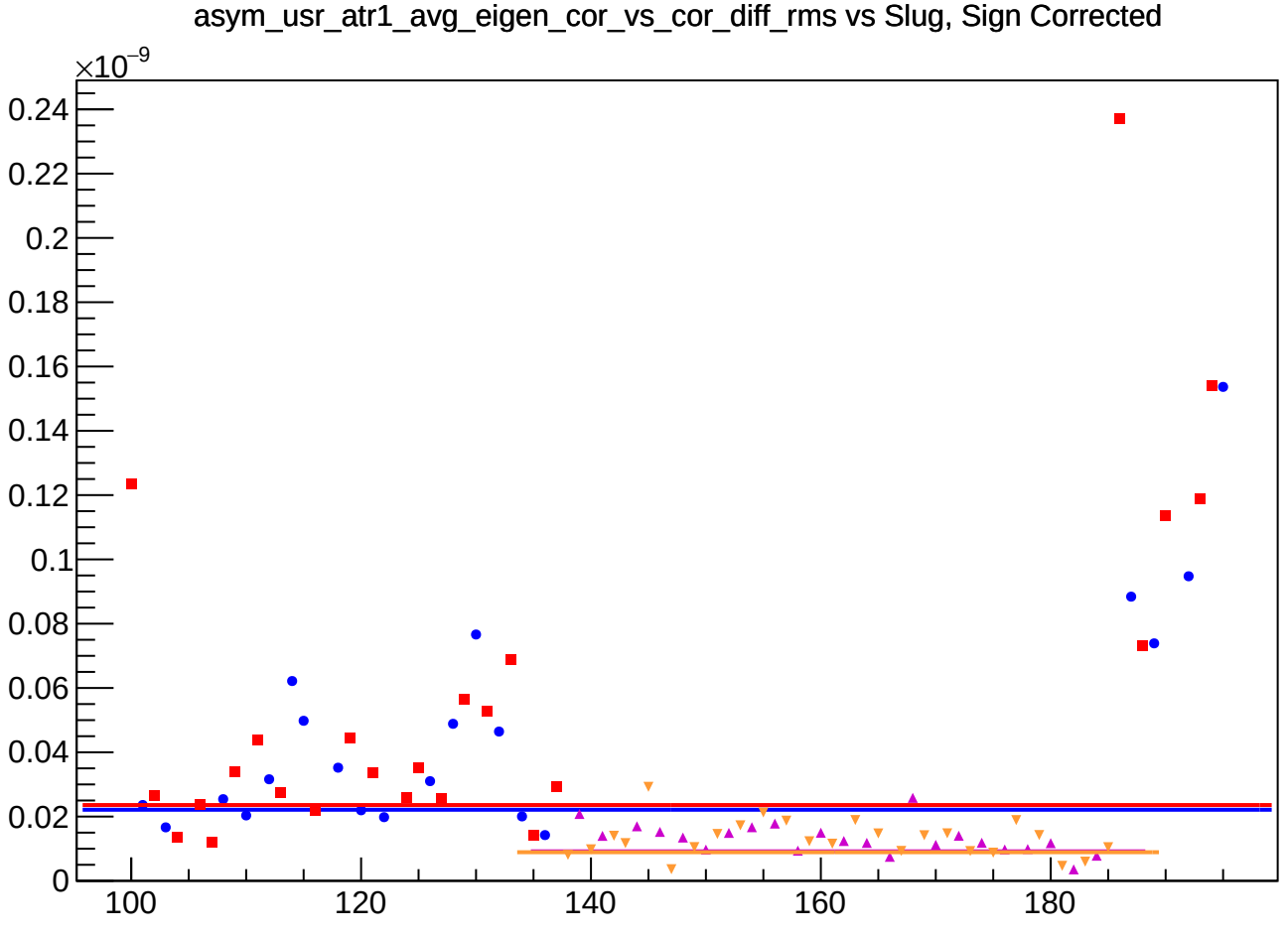
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

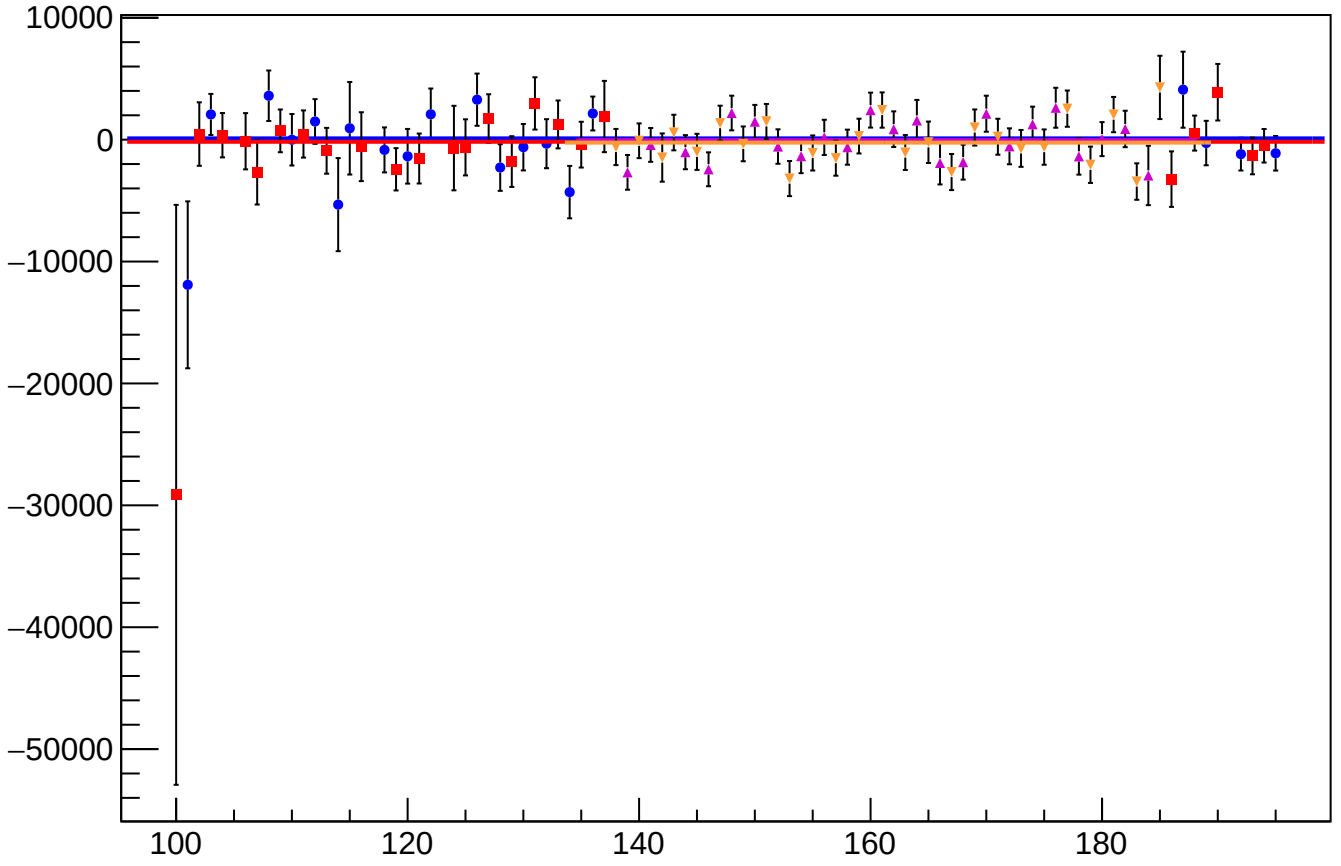
Right: -0.000+/-0.000 χ^2/NDF: 39.4/43

In: -0.000+/-0.000 χ^2/NDF:55.0/42

Out: -0.000+/-0.000 χ^2/NDF:42.4/48

All: -0.000+/-0.000 χ^2/NDF: 98.2/91


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3013196.2/19
Left Out: 0.000+/-0.000 χ²/NDF:5051836.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4233998.7/23
Left In: 0.000+/-0.000 χ²/NDF:5079391.4/22
Left: 0.000+/-0.000 χ²/NDF: 10139912.3/47
Right: 0.000+/-0.000 χ²/NDF: 7263418.9/43
In: 0.000+/-0.000 χ²/NDF:10590129.7/42
Out: 0.000+/-0.000 χ²/NDF:12216208.8/48
All: 0.000+/-0.000 χ²/NDF: 22816736.5/91



Right In: 105.791+/-439.179 χ^2/NDF: 25.2/19

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -173.031+/-414.565 χ^2/NDF: 15.8/23

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

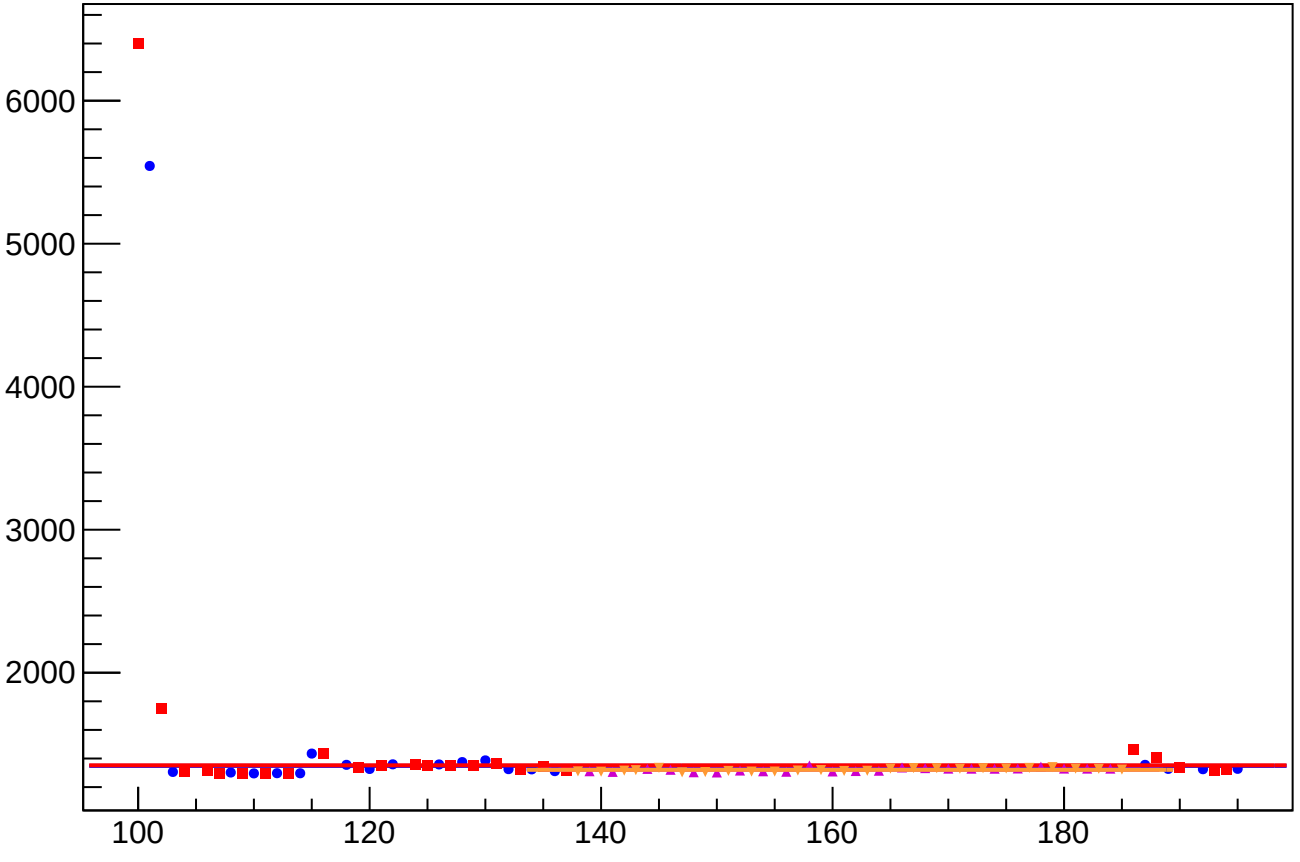
Right: -41.652+/-301.468 χ^2/NDF: 41.1/43

In: 8.783+/-252.509 χ^2/NDF:52.3/42

Out: -217.556+/-243.043 χ^2/NDF:47.5/48

All: -108.709+/-175.108 χ^2/NDF: 100.3/91

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1348.633+/-0.311 χ^2/NDF: 762032.8/19

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1352.390+/-0.293 χ^2/NDF: 157203.3/23

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

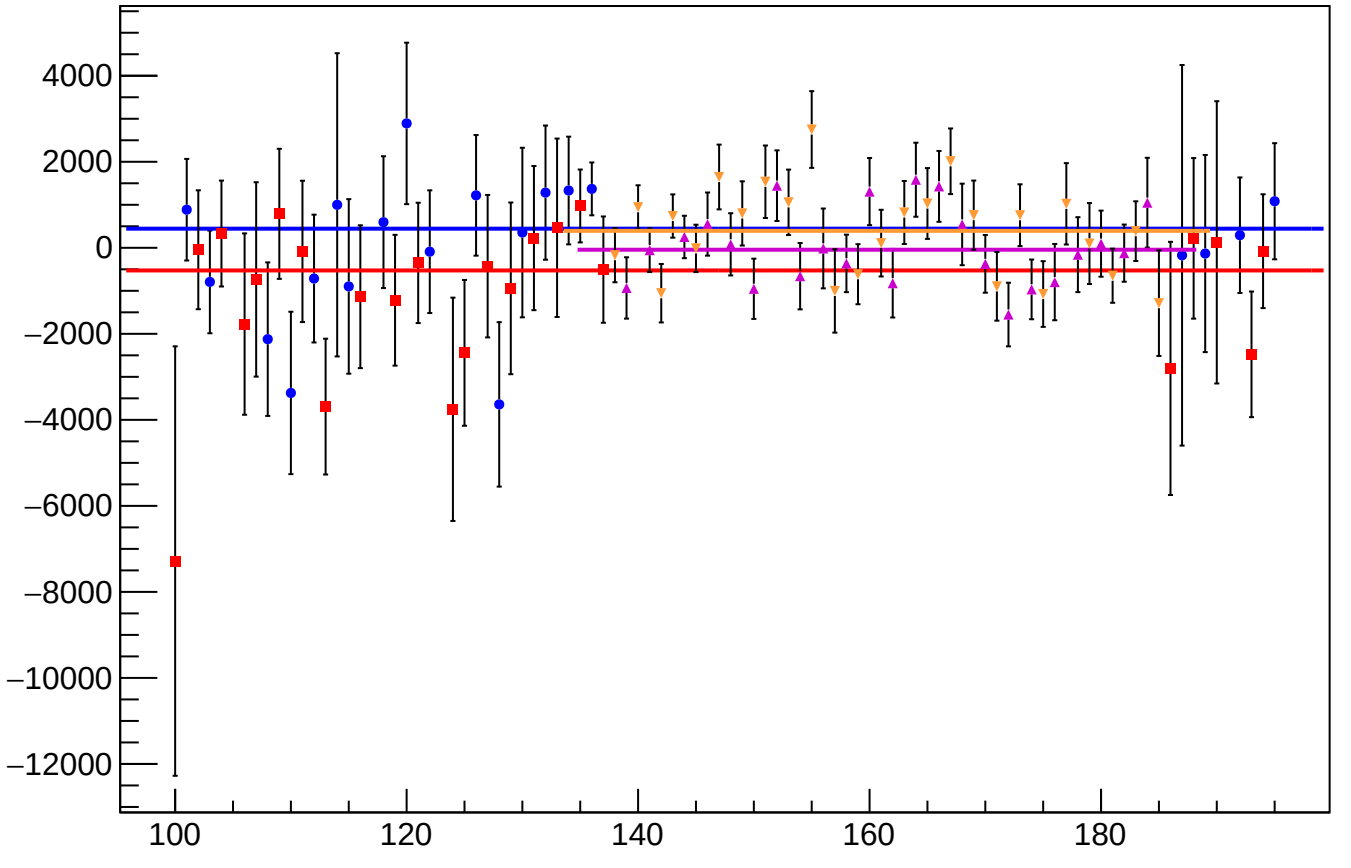
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1350.620+/-0.213 χ^2/NDF: 919313.4/43

In: 1330.659+/-0.179 χ^2/NDF:770590.5/42

Out: 1331.618+/-0.172 χ^2/NDF:167455.9/48

All: 1331.157+/-0.124 χ^2/NDF: 938061.3/91



Right In: 444.584+/-315.064 χ^2/NDF: 18.6/19

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -526.366+/-325.404 χ^2/NDF: 17.1/23

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

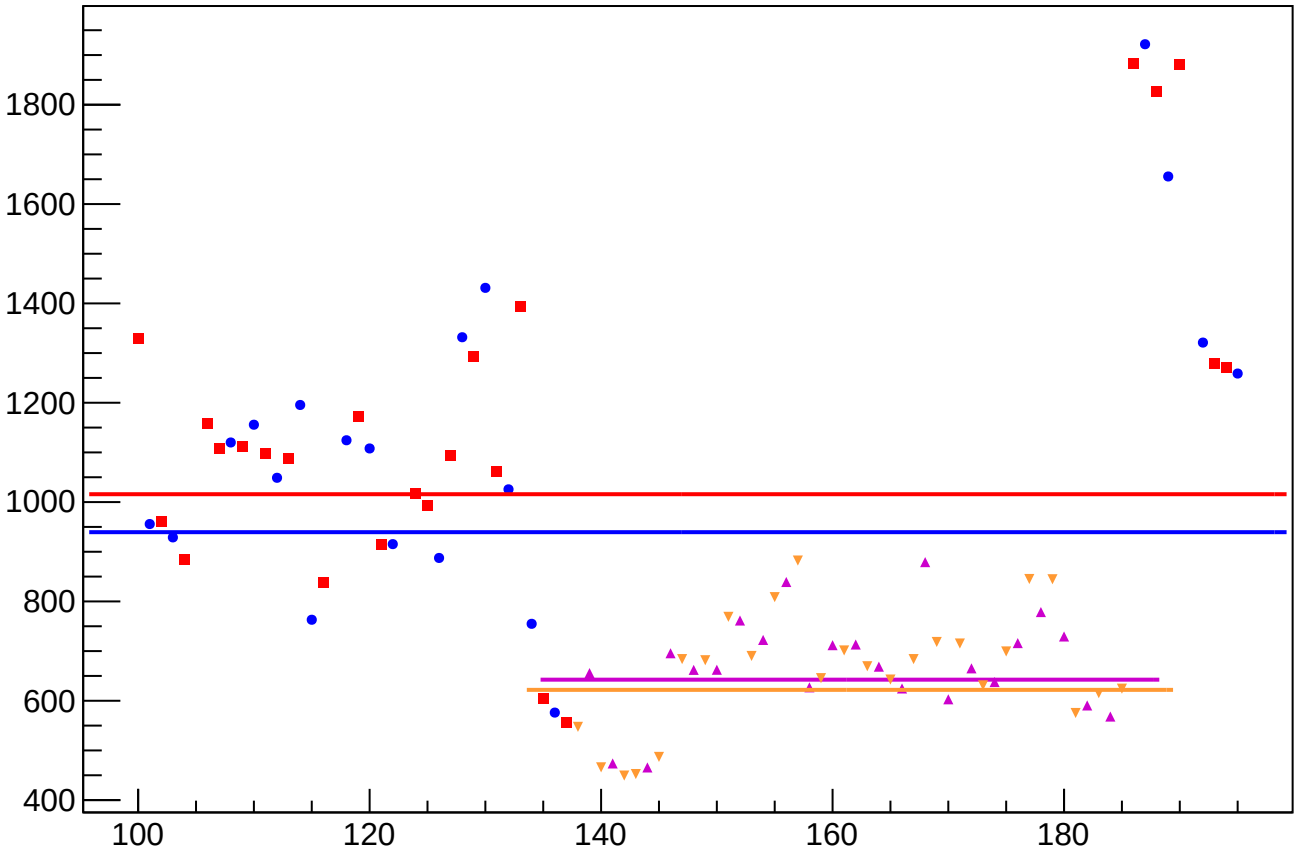
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -25.220+/-226.351 χ^2/NDF: 40.3/43

In: 47.945+/-137.144 χ^2/NDF:48.1/42

Out: 242.756+/-132.112 χ^2/NDF:65.7/48

All: 148.990+/-95.146 χ^2/NDF: 114.8/91



Right In: 939.416+/-0.223 χ^2/NDF: 1657528.8/19

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1015.855+/-0.230 χ^2/NDF: 1806401.0/23

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

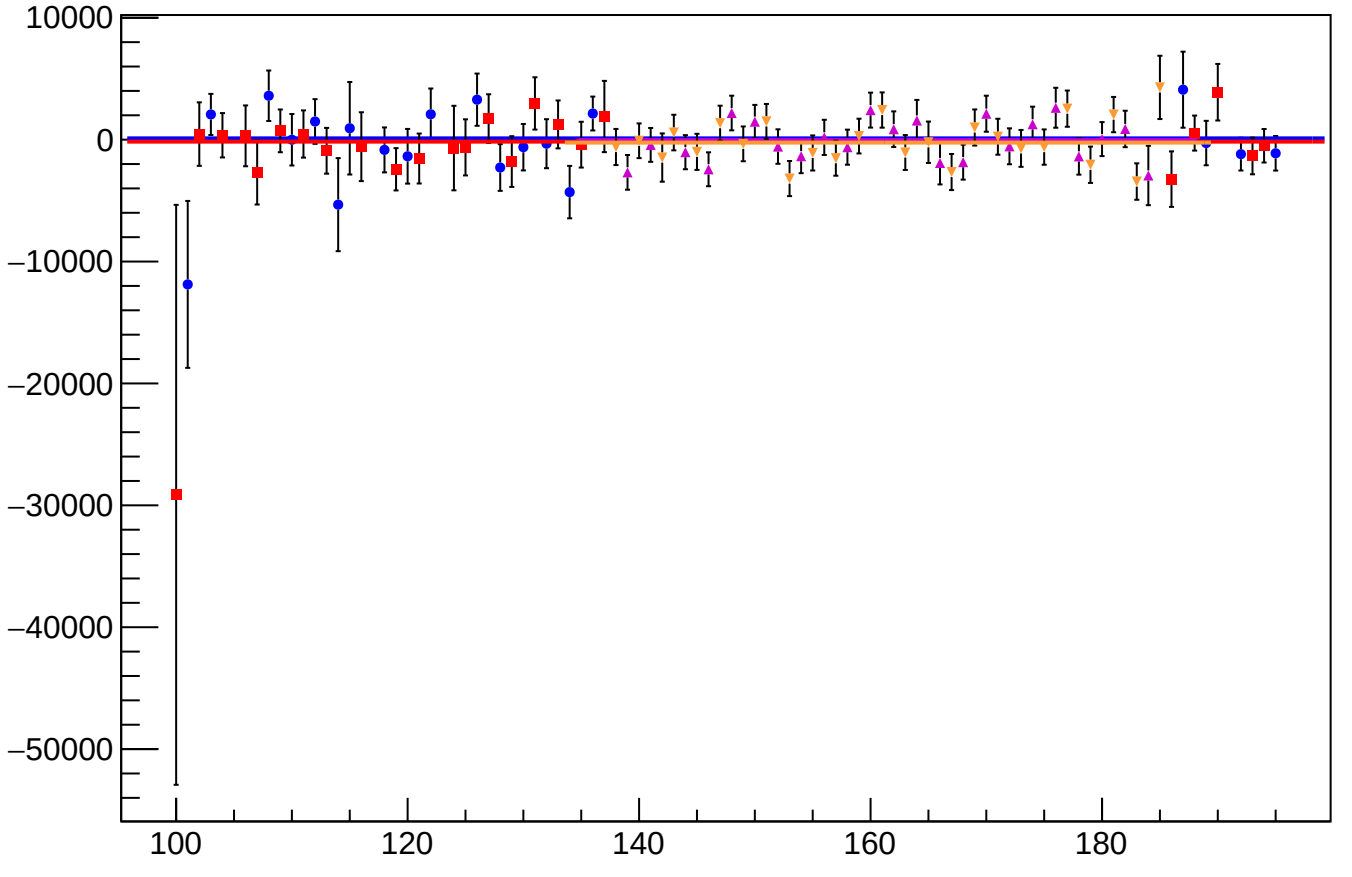
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 976.402+/-0.160 χ^2/NDF: 3520891.5/43

In: 698.734+/-0.097 χ^2/NDF:4023821.7/42

Out: 686.877+/-0.093 χ^2/NDF:5637474.1/48

All: 692.584+/-0.067 χ^2/NDF: 9669049.6/91



Right In: 105.959+/-439.179 χ^2/NDF: 25.1/19

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -161.167+/-415.532 χ^2/NDF: 15.8/23

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

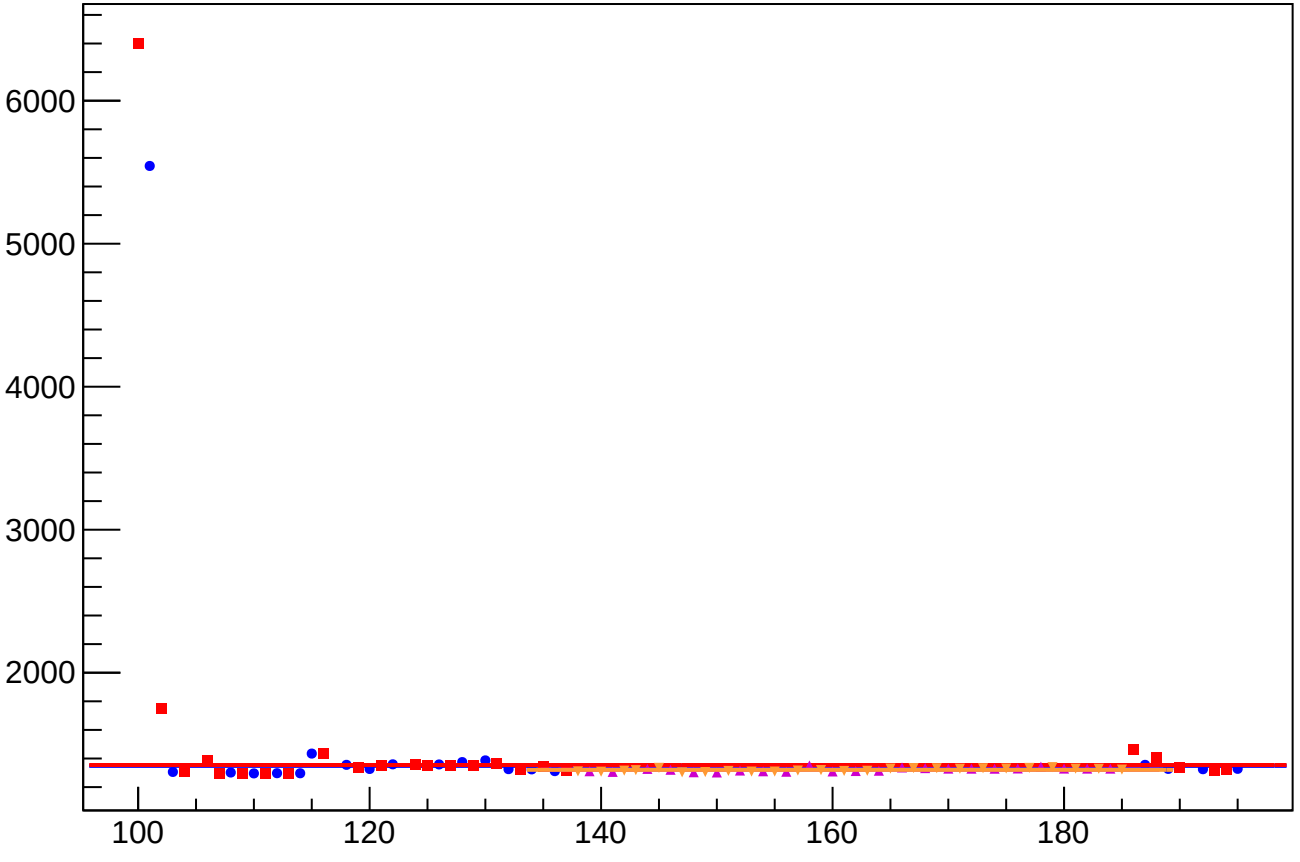
Right: -34.989+/-301.839 χ^2/NDF: 41.1/43

In: 8.791+/-252.509 χ^2/NDF:52.3/42

Out: -213.563+/-243.237 χ^2/NDF:47.6/48

All: -106.543+/-175.181 χ^2/NDF: 100.3/91

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1348.633+/-0.311 χ^2/NDF: 762031.8/19

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1354.530+/-0.294 χ^2/NDF: 157119.0/23

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

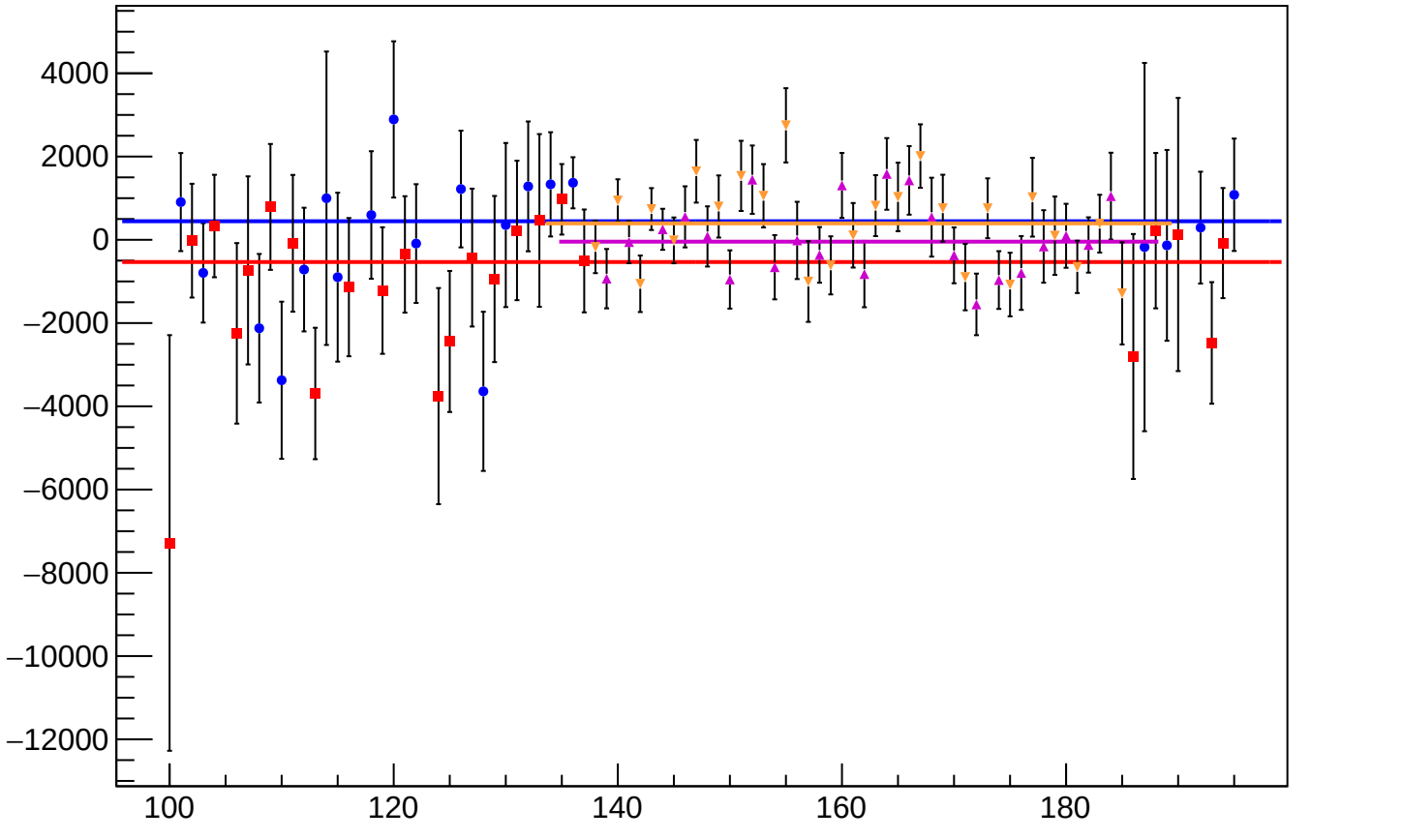
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1351.744+/-0.213 χ^2/NDF: 919341.0/43

In: 1330.659+/-0.179 χ^2/NDF:770589.5/42

Out: 1332.318+/-0.172 χ^2/NDF:168414.4/48

All: 1331.519+/-0.124 χ^2/NDF: 939048.7/91



Right In: 446.092+/-315.018 χ^2/NDF: 18.6/19

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -533.472+/-325.408 χ^2/NDF: 17.4/23

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

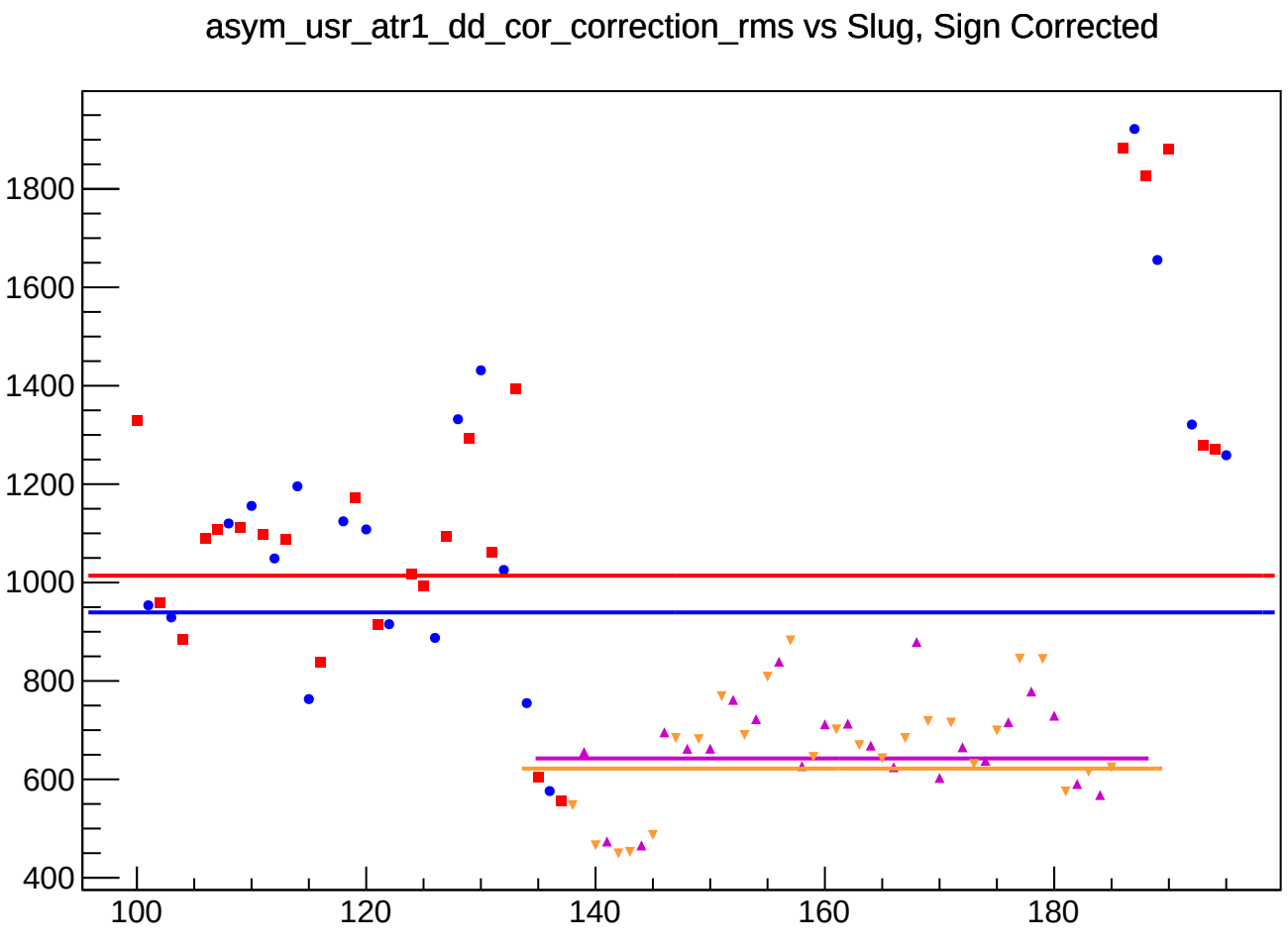
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -27.802+/-226.336 χ^2/NDF: 40.7/43

In: 48.261+/-137.139 χ^2/NDF:48.1/42

Out: 241.564+/-132.112 χ^2/NDF:66.1/48

All: 148.521+/-95.145 χ^2/NDF: 115.2/91



Right In: 939.287+/-0.223 χ^2/NDF: 1657385.2/19

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1013.990+/-0.230 χ^2/NDF: 1799931.9/23

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

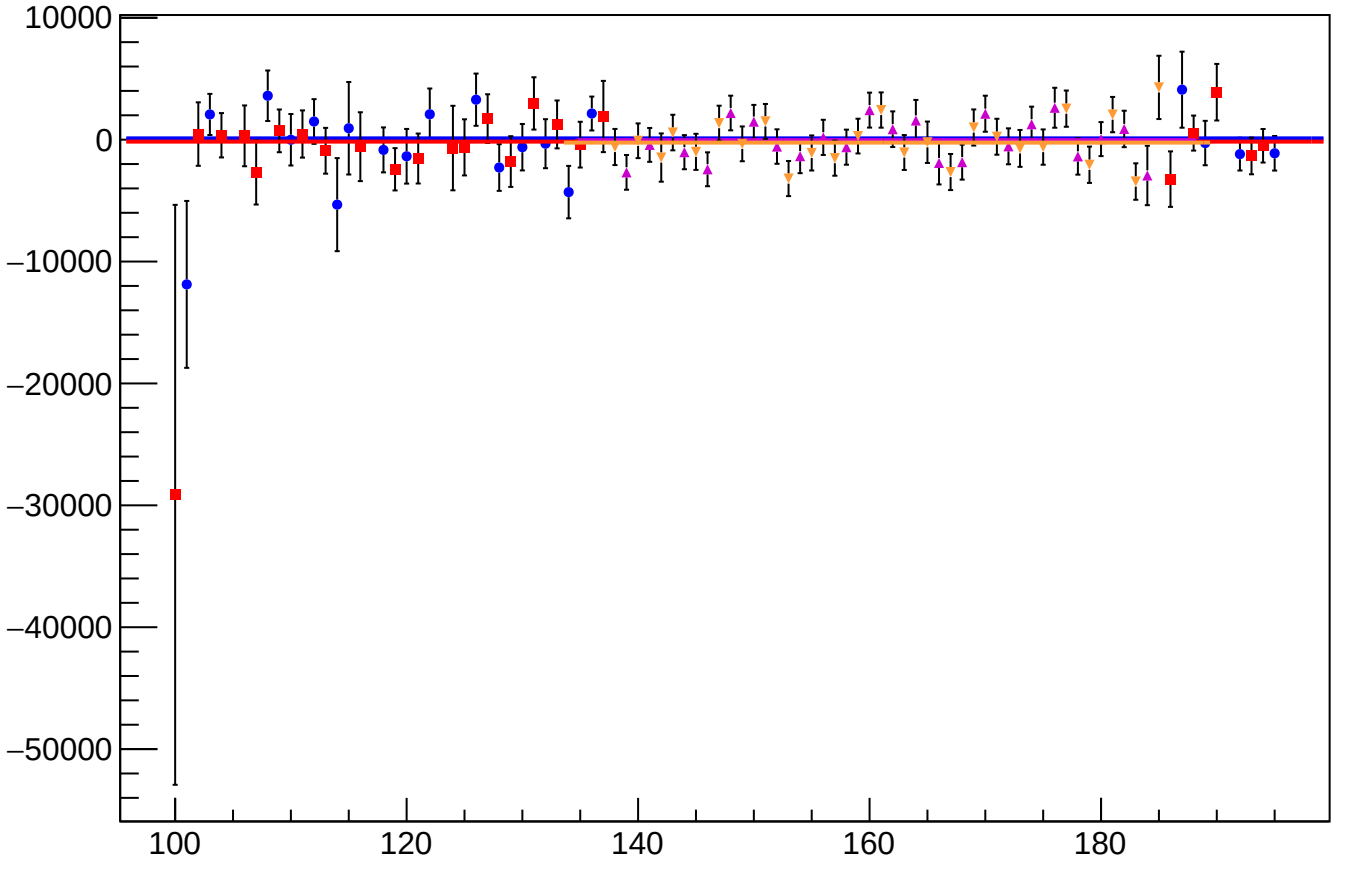
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 975.427+/-0.160 χ^2/NDF: 3511727.7/43

In: 698.718+/-0.097 χ^2/NDF:4022863.7/42

Out: 686.569+/-0.093 χ^2/NDF:5607736.7/48

All: 692.417+/-0.067 χ^2/NDF: 9638742.5/91



Right In: 105.959+/-439.179 χ^2/NDF: 25.1/19

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -161.167+/-415.532 χ^2/NDF: 15.8/23

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

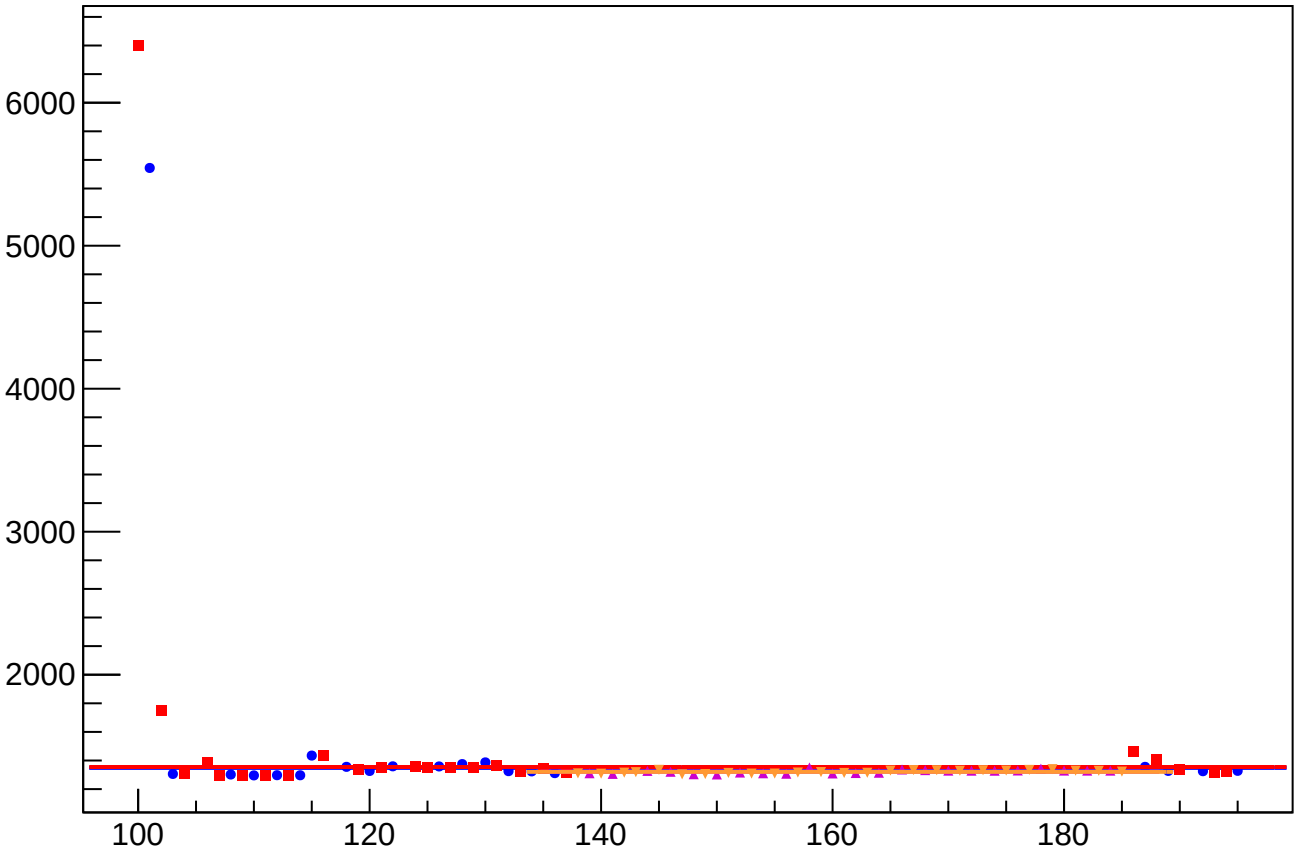
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -34.989+/-301.839 χ^2/NDF: 41.1/43

In: 8.791+/-252.509 χ^2/NDF:52.3/42

Out: -213.563+/-243.237 χ^2/NDF:47.6/48

All: -106.543+/-175.181 χ^2/NDF: 100.3/91



Right In: 1348.633+/-0.311 χ^2/NDF: 762031.8/19

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1354.530+/-0.294 χ^2/NDF: 157119.0/23

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

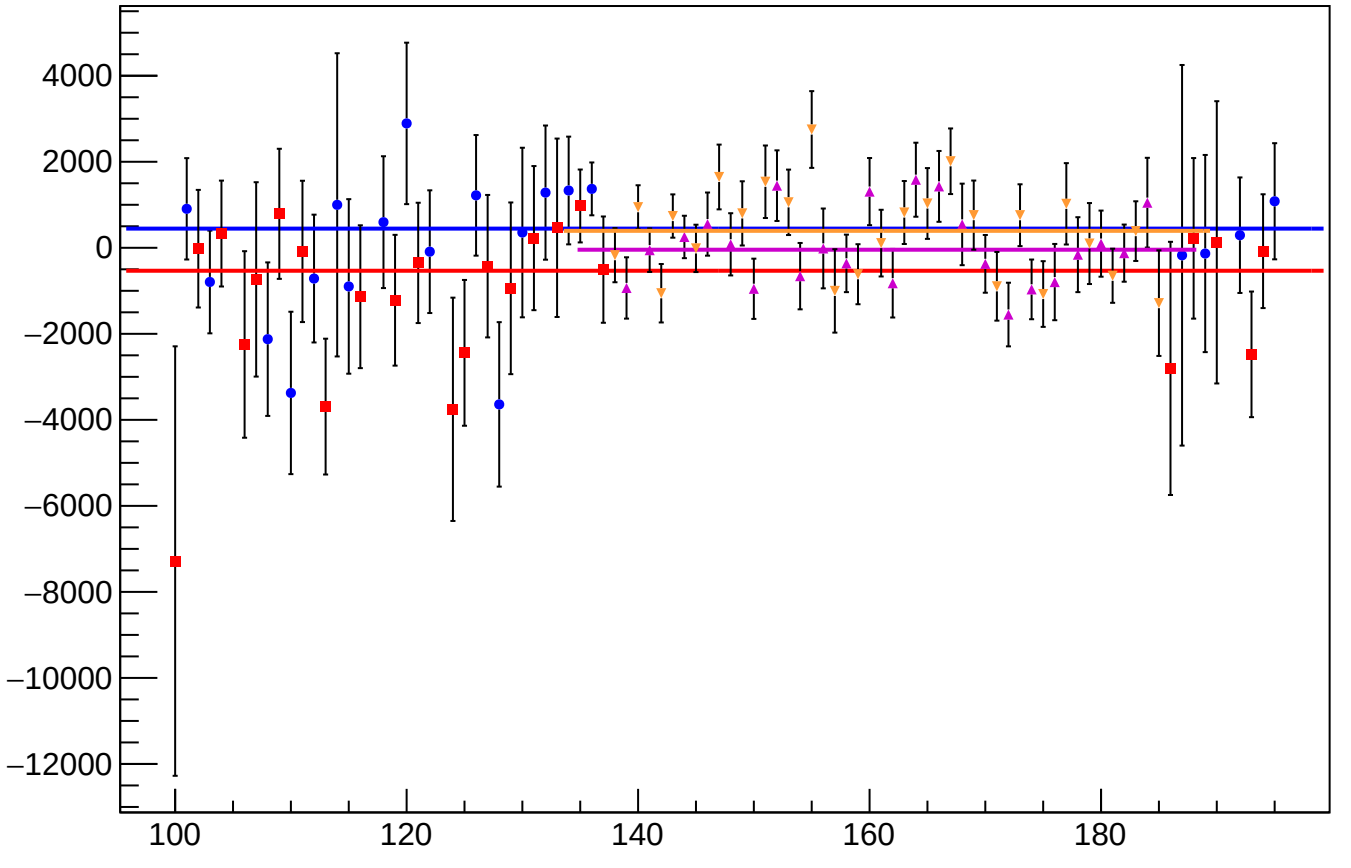
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1351.744+/-0.213 χ^2/NDF: 919341.0/43

In: 1330.659+/-0.179 χ^2/NDF:770589.5/42

Out: 1332.318+/-0.172 χ^2/NDF:168414.4/48

All: 1331.519+/-0.124 χ^2/NDF: 939048.7/91



Right In: 446.092+/-315.018 χ^2/NDF: 18.6/19

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -533.472+/-325.408 χ^2/NDF: 17.4/23

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

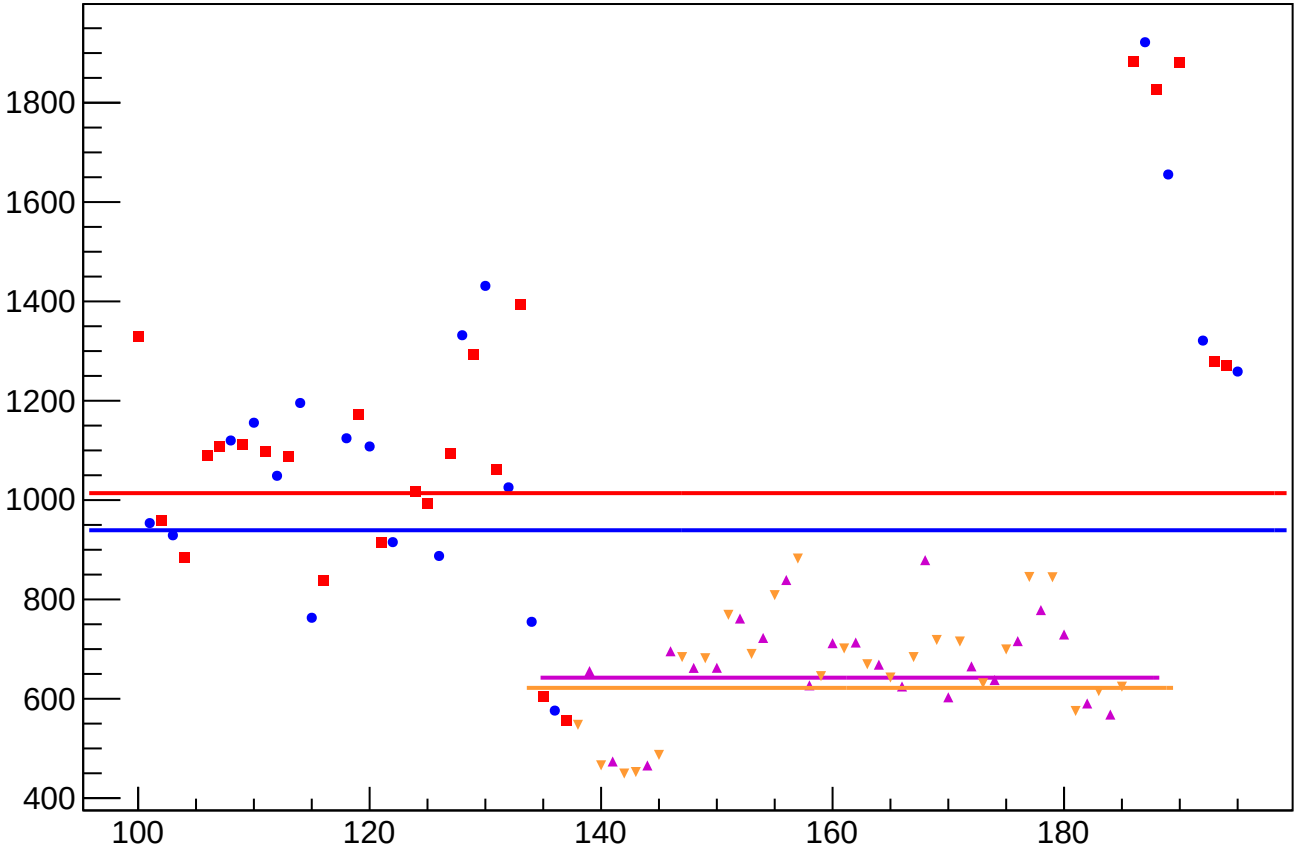
Right: -27.802+/-226.336 χ^2/NDF: 40.7/43

In: 48.261+/-137.139 χ^2/NDF:48.1/42

Out: 241.564+/-132.112 χ^2/NDF:66.1/48

All: 148.521+/-95.145 χ^2/NDF: 115.2/91

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 939.287+/-0.223 χ^2/NDF: 1657385.2/19

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1013.990+/-0.230 χ^2/NDF: 1799931.9/23

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

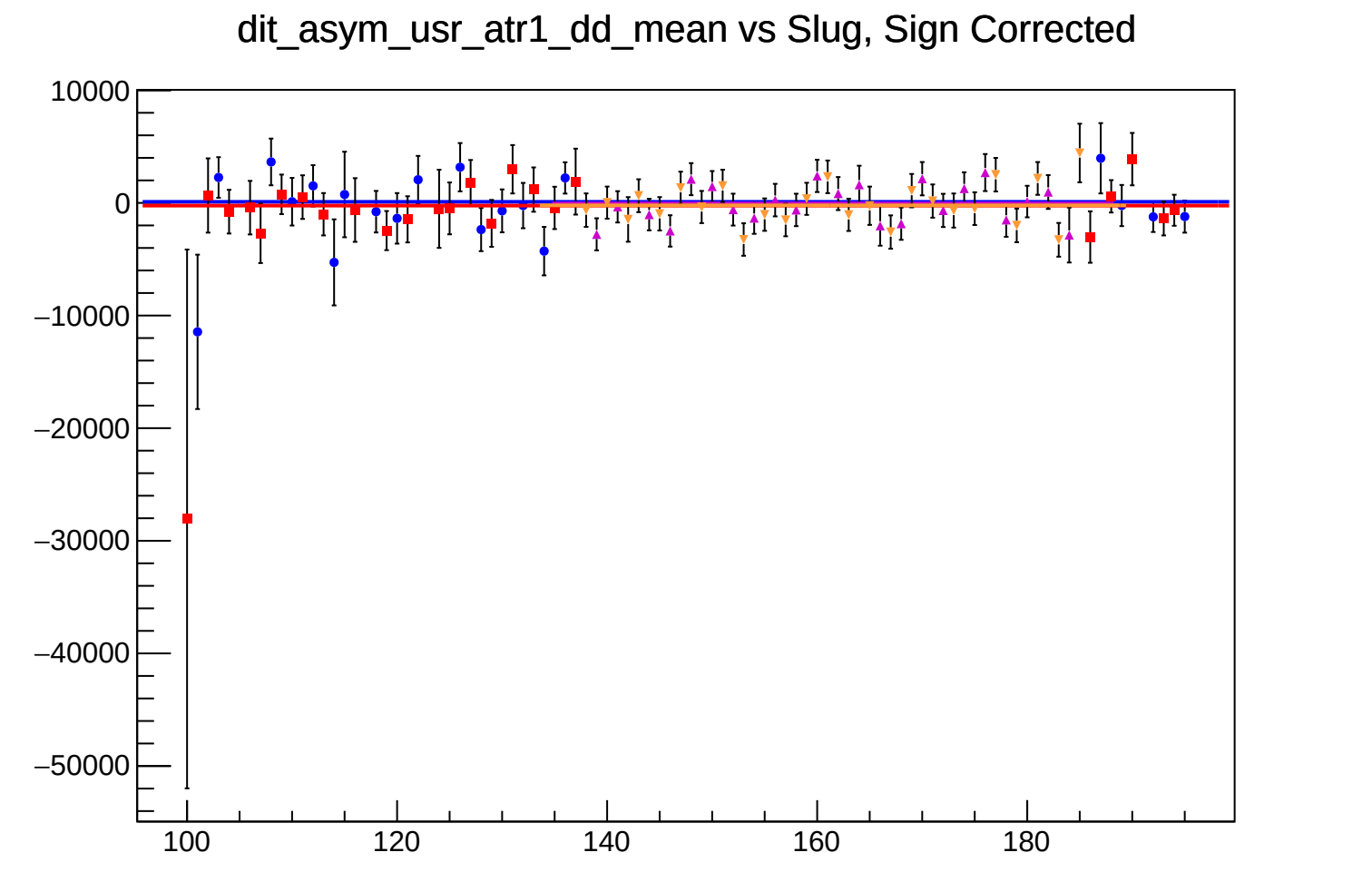
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 975.427+/-0.160 χ^2/NDF: 3511727.7/43

In: 698.718+/-0.097 χ^2/NDF:4022863.7/42

Out: 686.569+/-0.093 χ^2/NDF:5607736.7/48

All: 692.417+/-0.067 χ^2/NDF: 9638742.5/91



Right In: 95.703+/-441.571 χ^2/NDF: 25.1/19

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -241.828+/-418.658 χ^2/NDF: 15.6/23

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

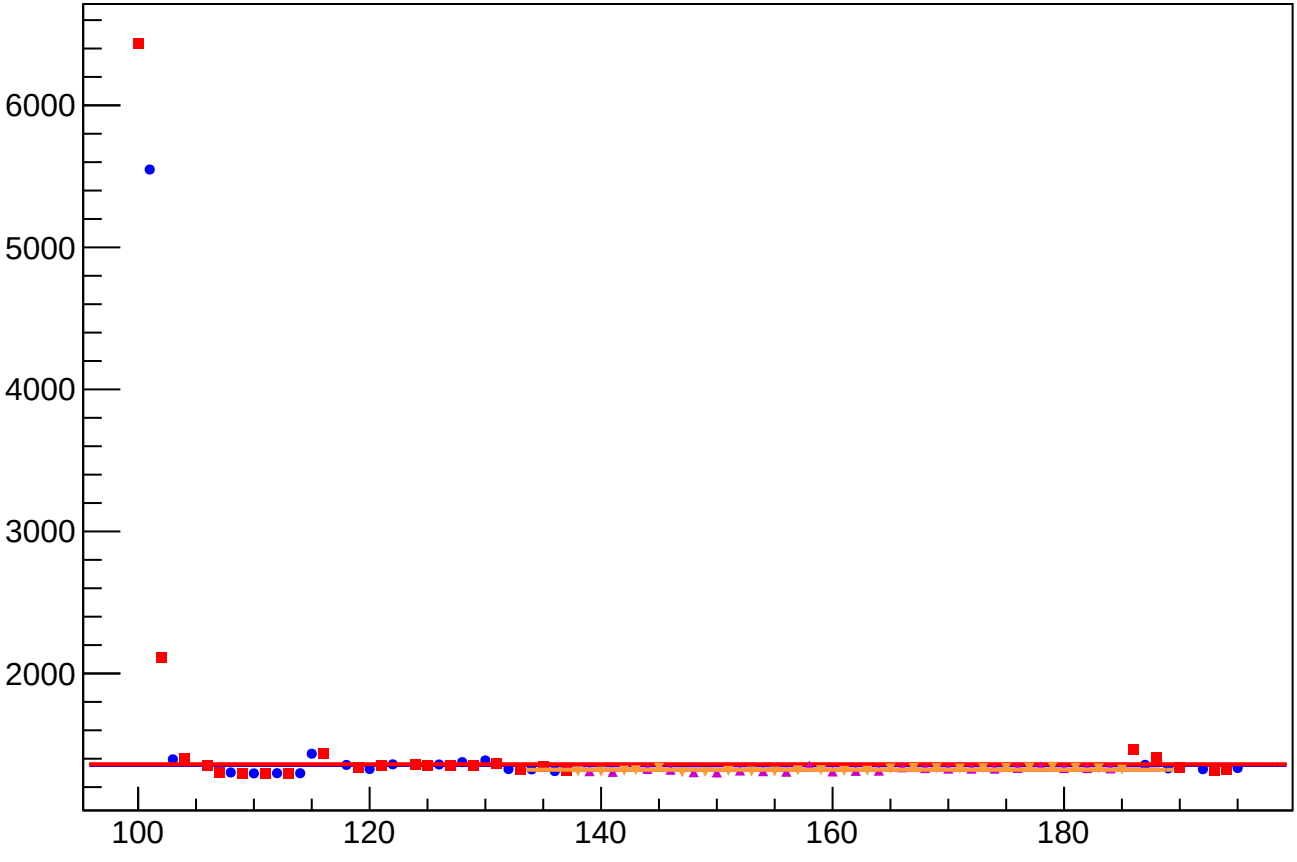
Right: -82.047+/-303.814 χ^2/NDF: 41.0/43

In: -2.272+/-253.162 χ^2/NDF:53.0/42

Out: -224.139+/-244.059 χ^2/NDF:46.9/48

All: -117.266+/-175.706 χ^2/NDF: 100.3/91

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.006+/-0.312 χ^2/NDF: 761368.4/19

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1361.066+/-0.296 χ^2/NDF: 215070.3/23

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

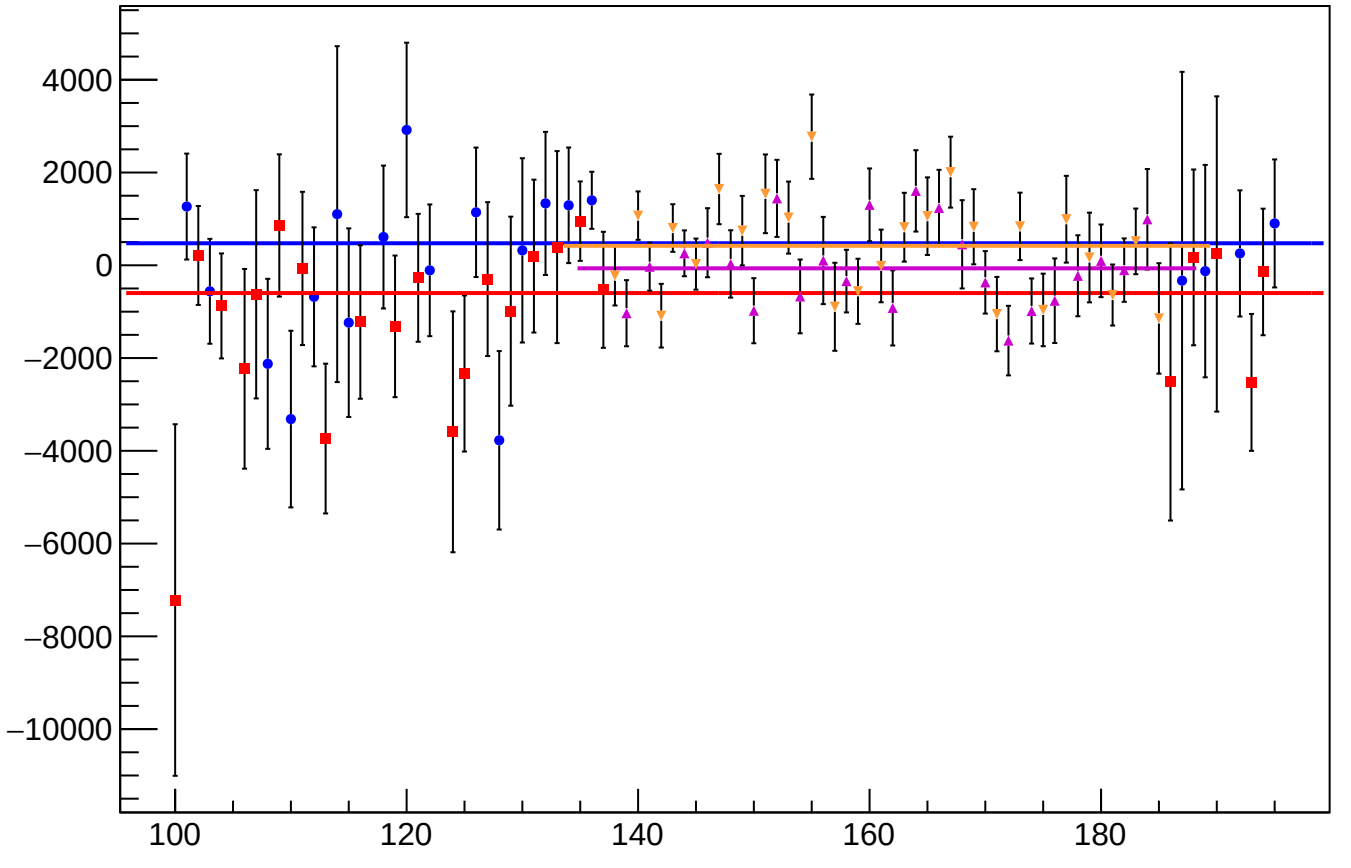
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1358.670+/-0.215 χ^2/NDF: 976577.1/43

In: 1334.075+/-0.179 χ^2/NDF:772573.2/42

Out: 1335.520+/-0.173 χ^2/NDF:229282.5/48

All: 1334.824+/-0.124 χ^2/NDF: 1001889.5/91



Right In: 474.954+/-314.096 χ^2/NDF: 18.8/19

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -598.501+/-319.095 χ^2/NDF: 18.1/23

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

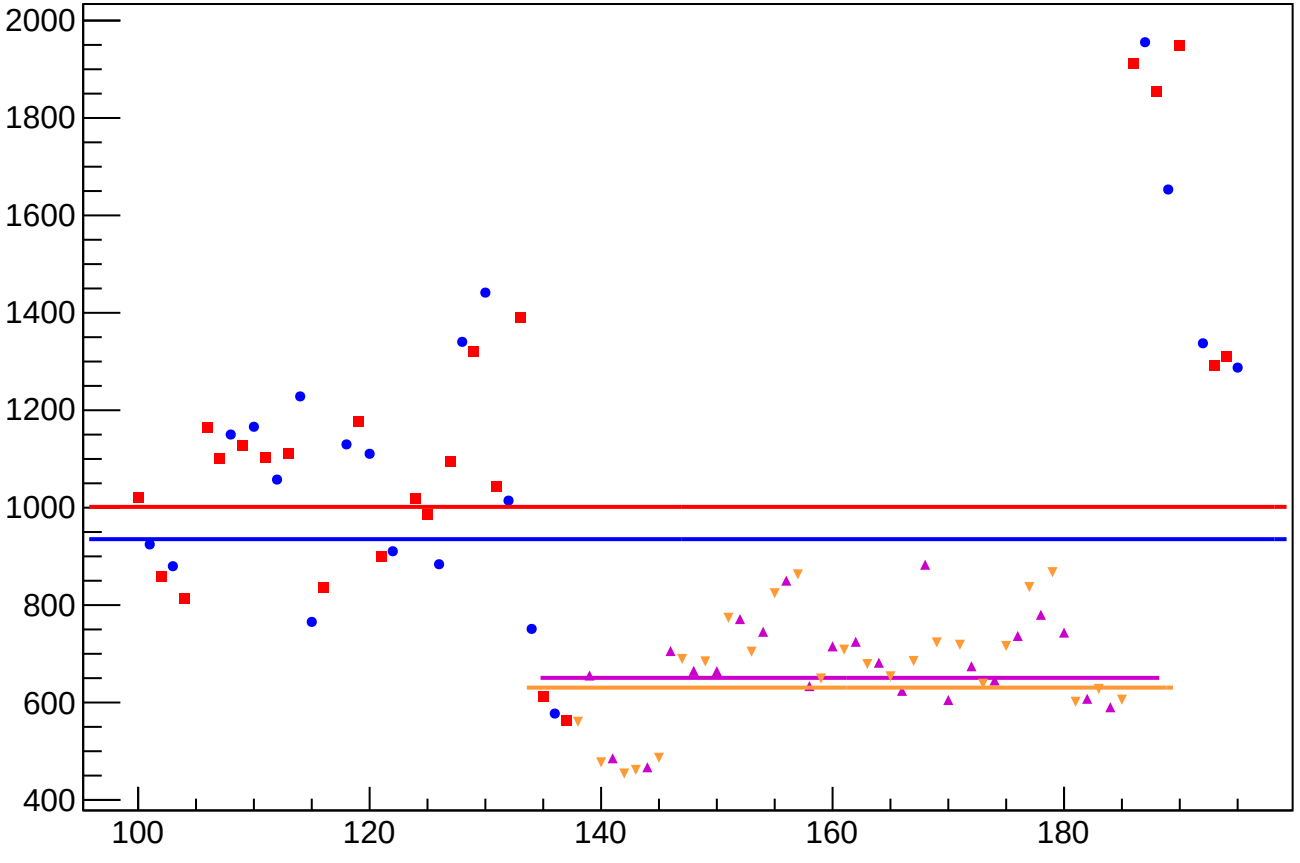
Right: -53.300+/-223.846 χ^2/NDF: 42.7/43

In: 39.564+/-138.437 χ^2/NDF:48.3/42

Out: 242.735+/-133.091 χ^2/NDF:68.1/48

All: 145.148+/-95.944 χ^2/NDF: 117.4/91

asym_usr_atr1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 935.343+/-0.222 χ^2/NDF: 1704468.0/19

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1001.656+/-0.226 χ^2/NDF: 1908598.6/23

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

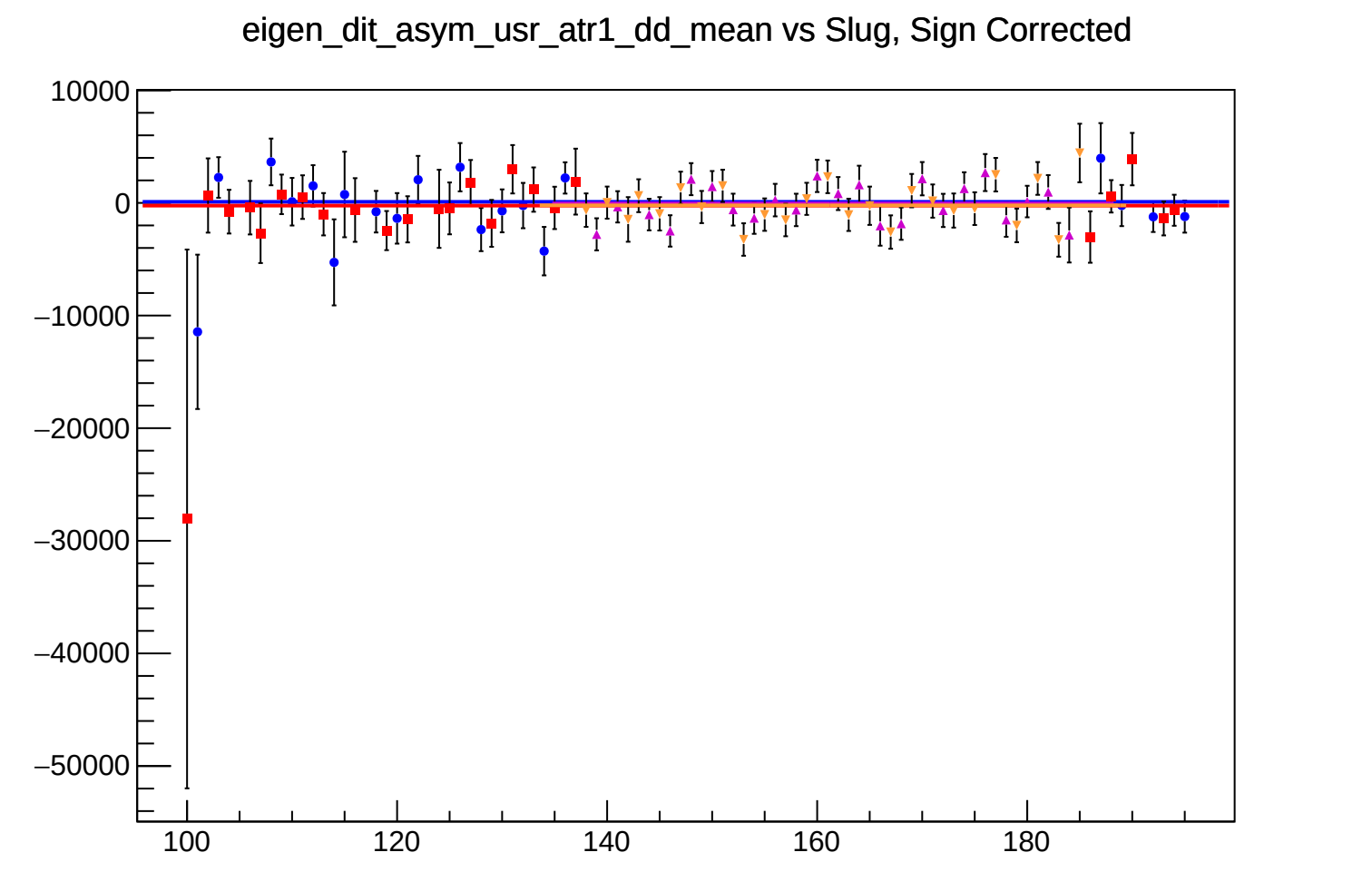
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 967.976+/-0.158 χ^2/NDF: 3656936.3/43

In: 705.943+/-0.098 χ^2/NDF:3950568.2/42

Out: 695.143+/-0.094 χ^2/NDF:5471222.3/48

All: 700.330+/-0.068 χ^2/NDF: 9428116.2/91



Right In: 95.703+/-441.571 χ^2/NDF: 25.1/19

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -241.826+/-418.658 χ^2/NDF: 15.6/23

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

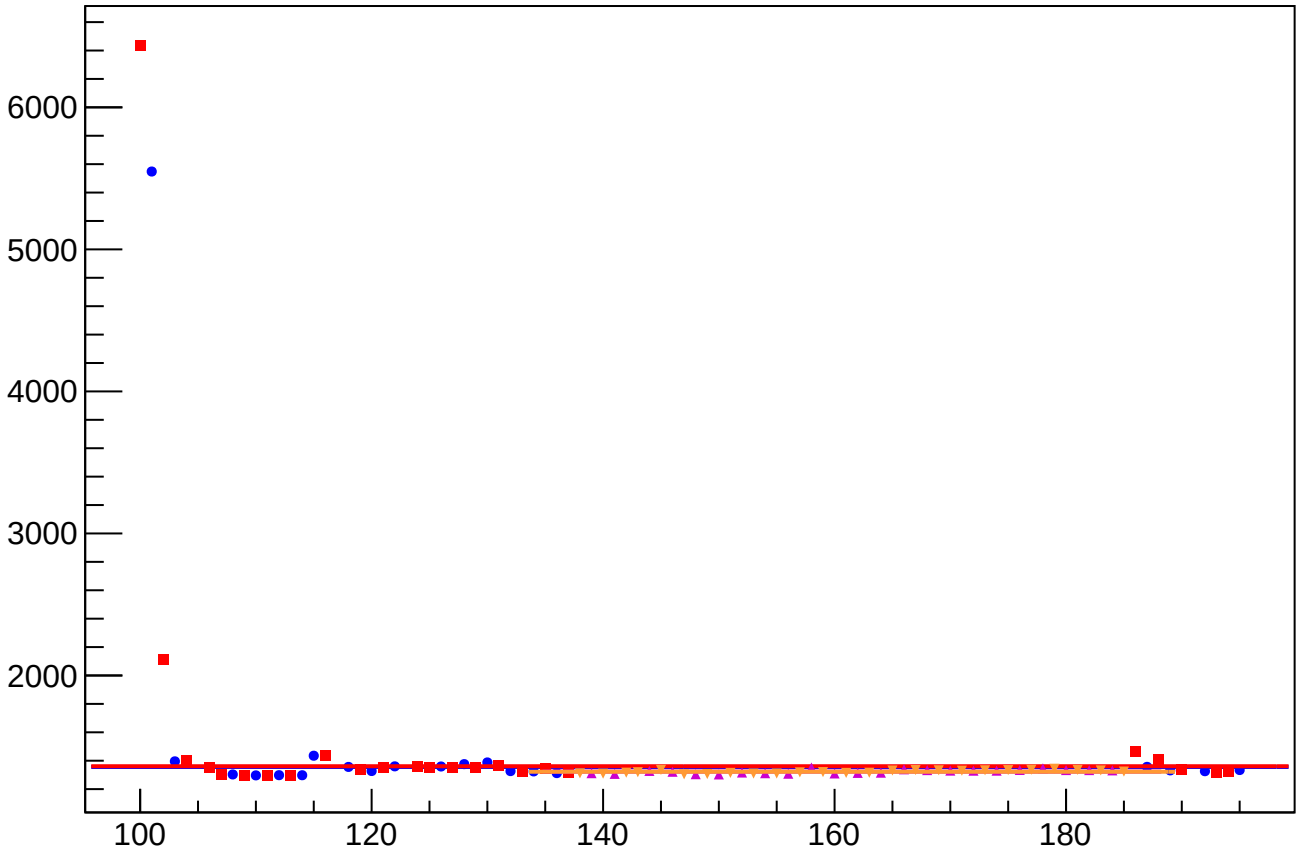
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -82.046+/-303.814 χ^2/NDF: 41.0/43

In: -2.272+/-253.162 χ^2/NDF:53.0/42

Out: -224.139+/-244.059 χ^2/NDF:46.9/48

All: -117.266+/-175.706 χ^2/NDF: 100.3/91



Right In: 1356.006+/-0.312 χ^2/NDF: 761368.4/19

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1361.066+/-0.296 χ^2/NDF: 215070.3/23

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

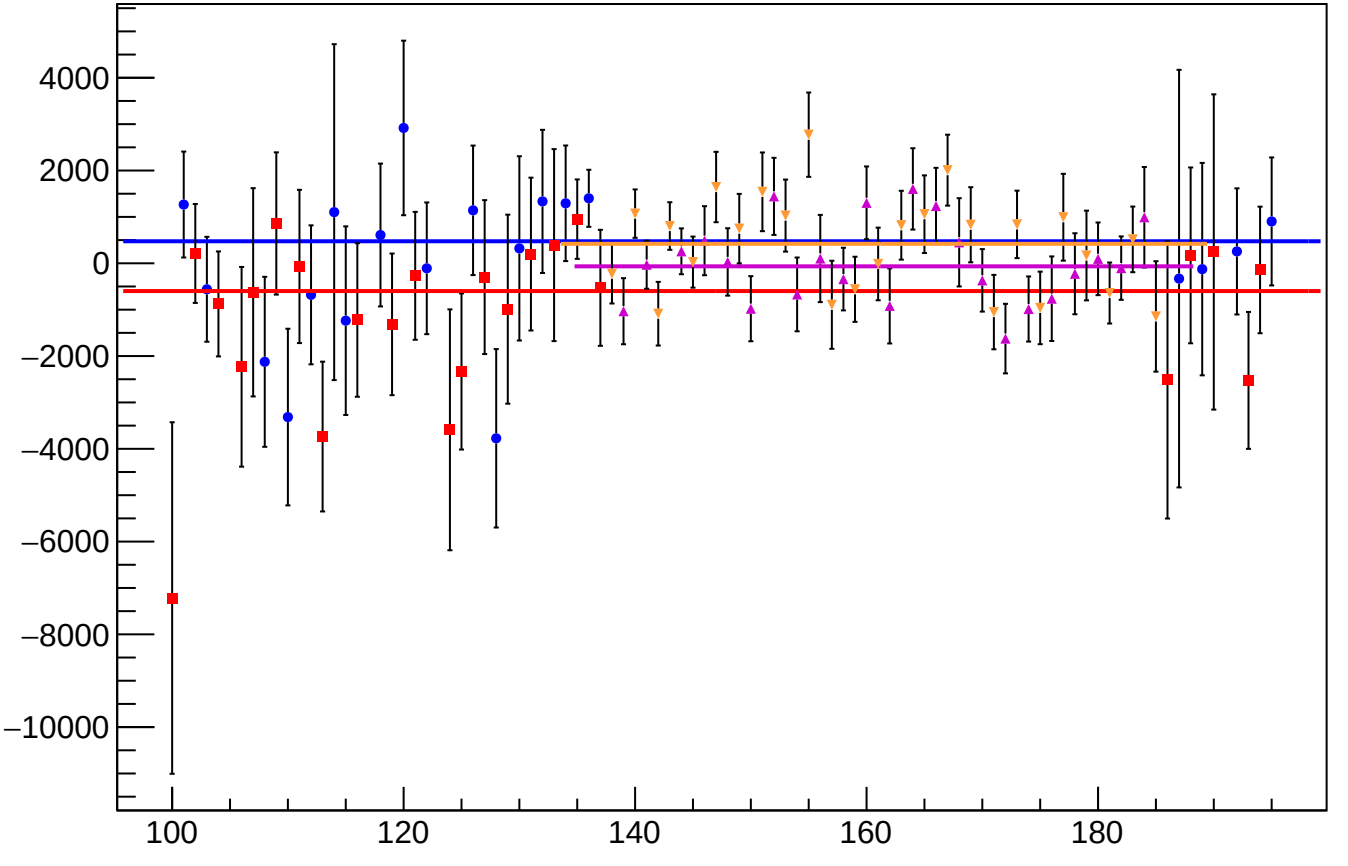
Right: 1358.670+/-0.215 χ^2/NDF: 976577.0/43

In: 1334.075+/-0.179 χ^2/NDF:772573.2/42

Out: 1335.520+/-0.173 χ^2/NDF:229282.5/48

All: 1334.824+/-0.124 χ^2/NDF: 1001889.4/91

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 474.952+/-314.095 χ^2/NDF: 18.8/19

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -598.499+/-319.094 χ^2/NDF: 18.1/23

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

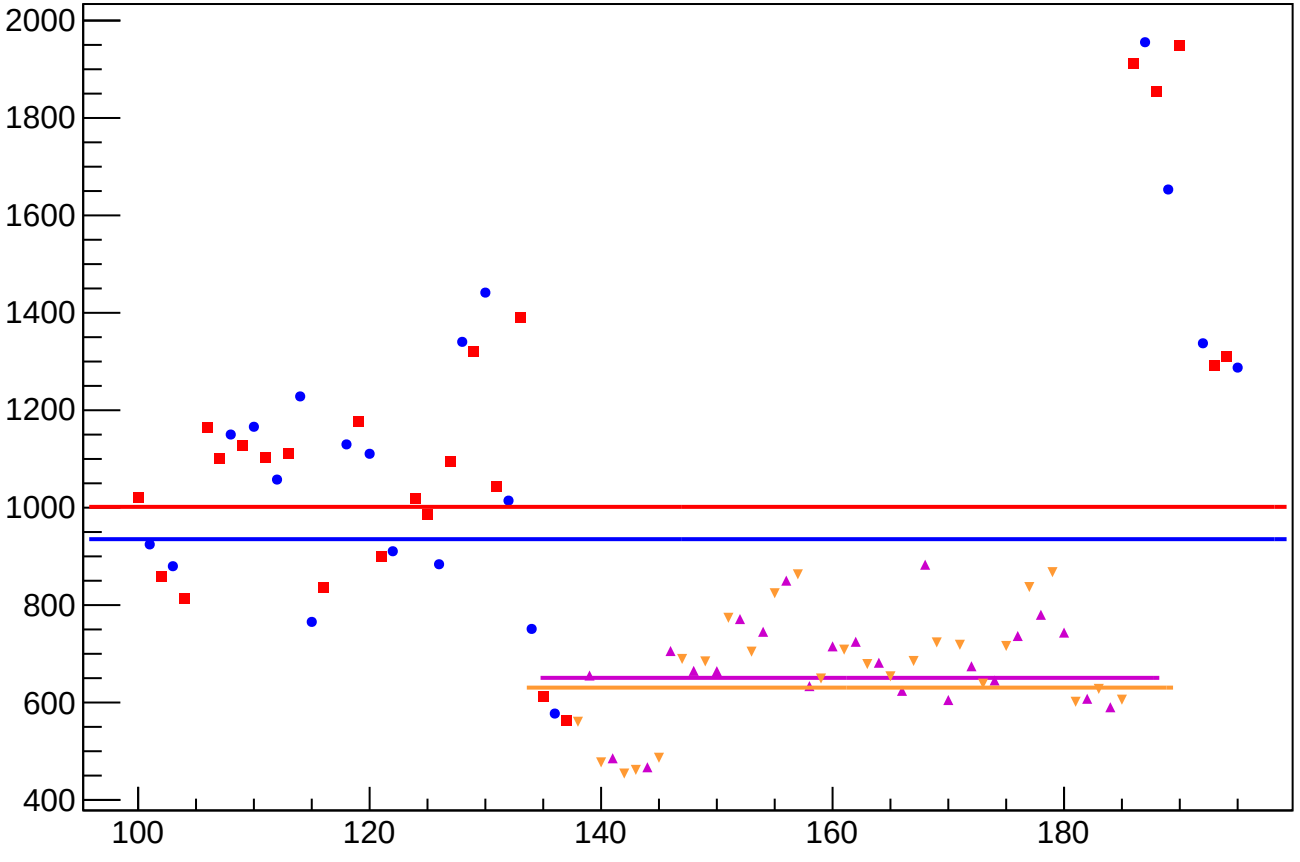
Right: -53.300+/-223.845 χ^2/NDF: 42.7/43

In: 39.564+/-138.437 χ^2/NDF:48.3/42

Out: 242.735+/-133.091 χ^2/NDF:68.1/48

All: 145.148+/-95.944 χ^2/NDF: 117.4/91

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 935.340+/-0.222 χ^2/NDF: 1704469.5/19

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1001.654+/-0.226 χ^2/NDF: 1908596.1/23

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

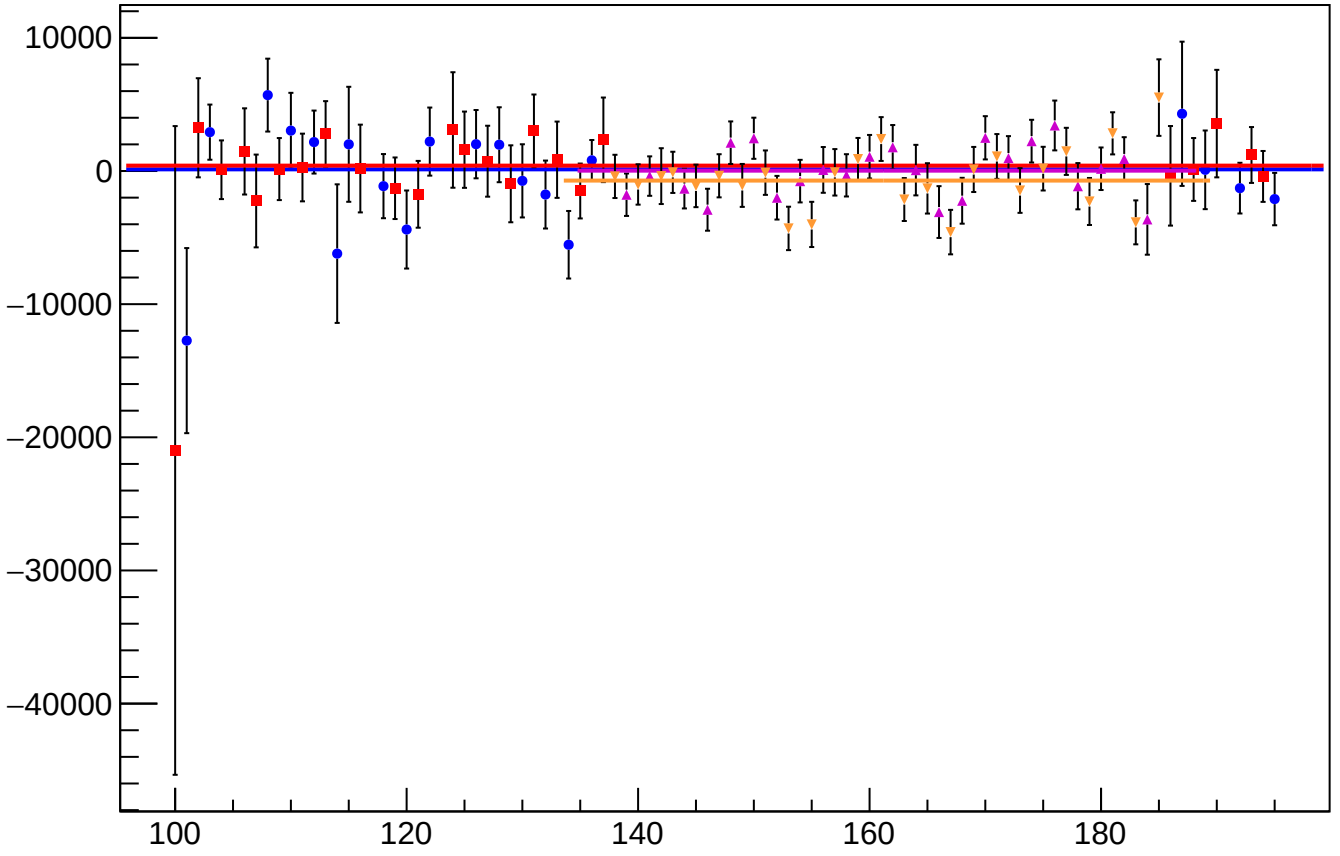
Right: 967.974+/-0.158 χ^2/NDF: 3656936.0/43

In: 705.944+/-0.098 χ^2/NDF:3950550.6/42

Out: 695.144+/-0.094 χ^2/NDF:5471214.3/48

All: 700.331+/-0.068 χ^2/NDF: 9428091.0/91

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 124.476+/-572.082 χ^2/NDF: 25.4/19

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 404.136+/-555.588 χ^2/NDF: 8.3/23

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

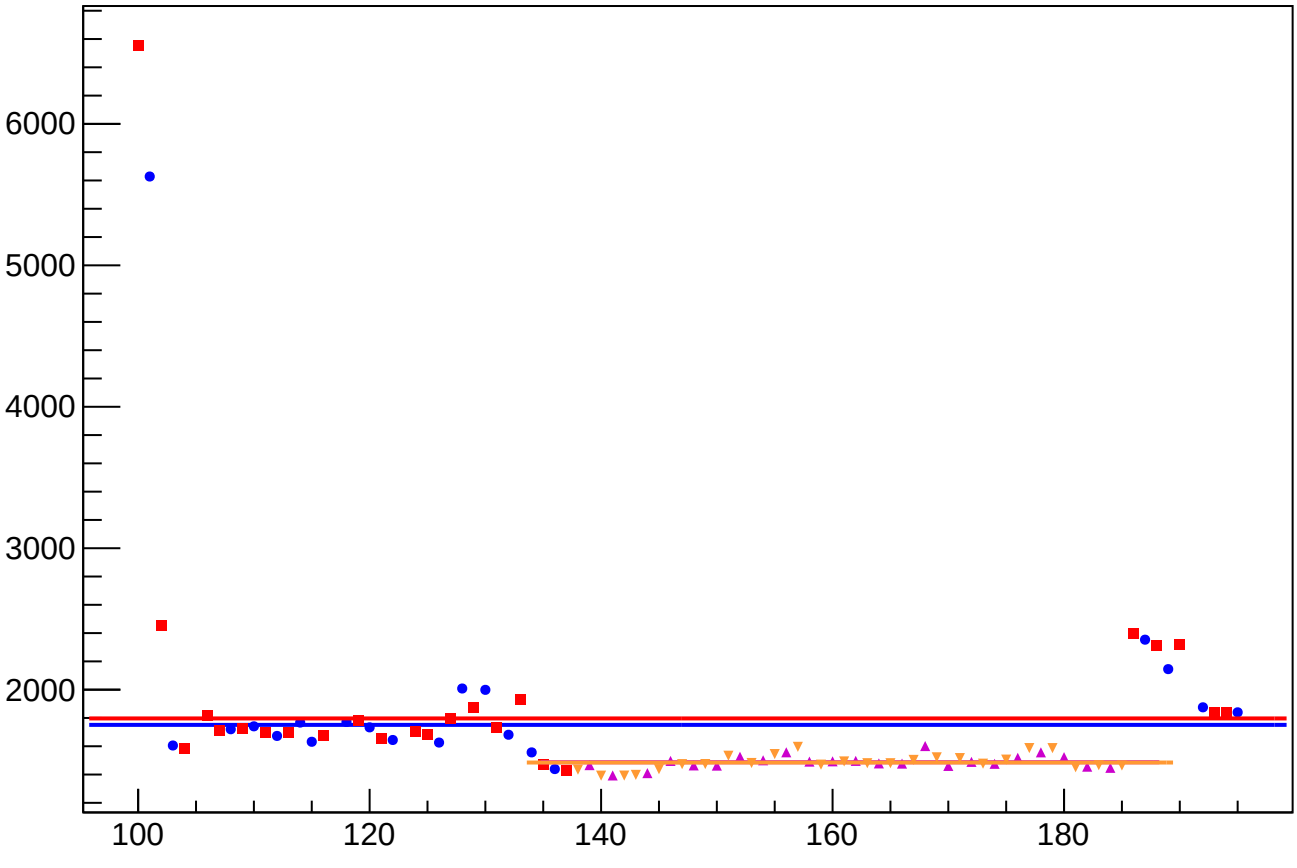
Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

Right: 268.395+/-398.564 χ^2/NDF: 33.8/43

In: 53.638+/-296.948 χ^2/NDF:53.4/42

Out: -415.643+/-288.498 χ^2/NDF:49.0/48

All: -187.774+/-206.922 χ^2/NDF: 103.7/91



Right In: 1751.141+/-0.405 χ^2/NDF: 847772.1/19

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1796.673+/-0.393 χ^2/NDF: 445292.0/23

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

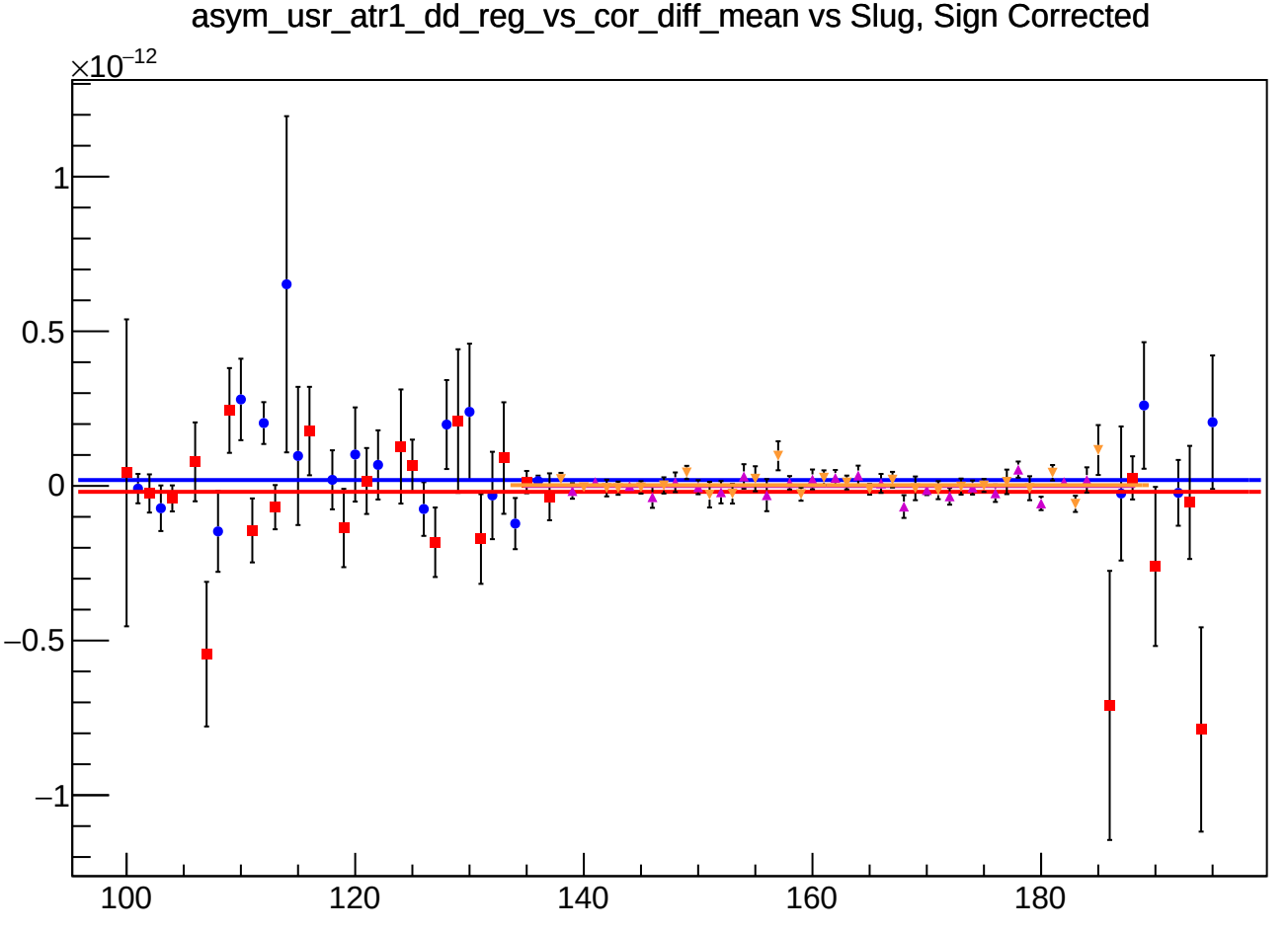
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1774.573+/-0.282 χ^2/NDF: 1299584.0/43

In: 1558.249+/-0.210 χ^2/NDF:1193817.3/42

Out: 1569.010+/-0.204 χ^2/NDF:956001.5/48

All: 1563.785+/-0.146 χ^2/NDF: 2151169.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/23

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

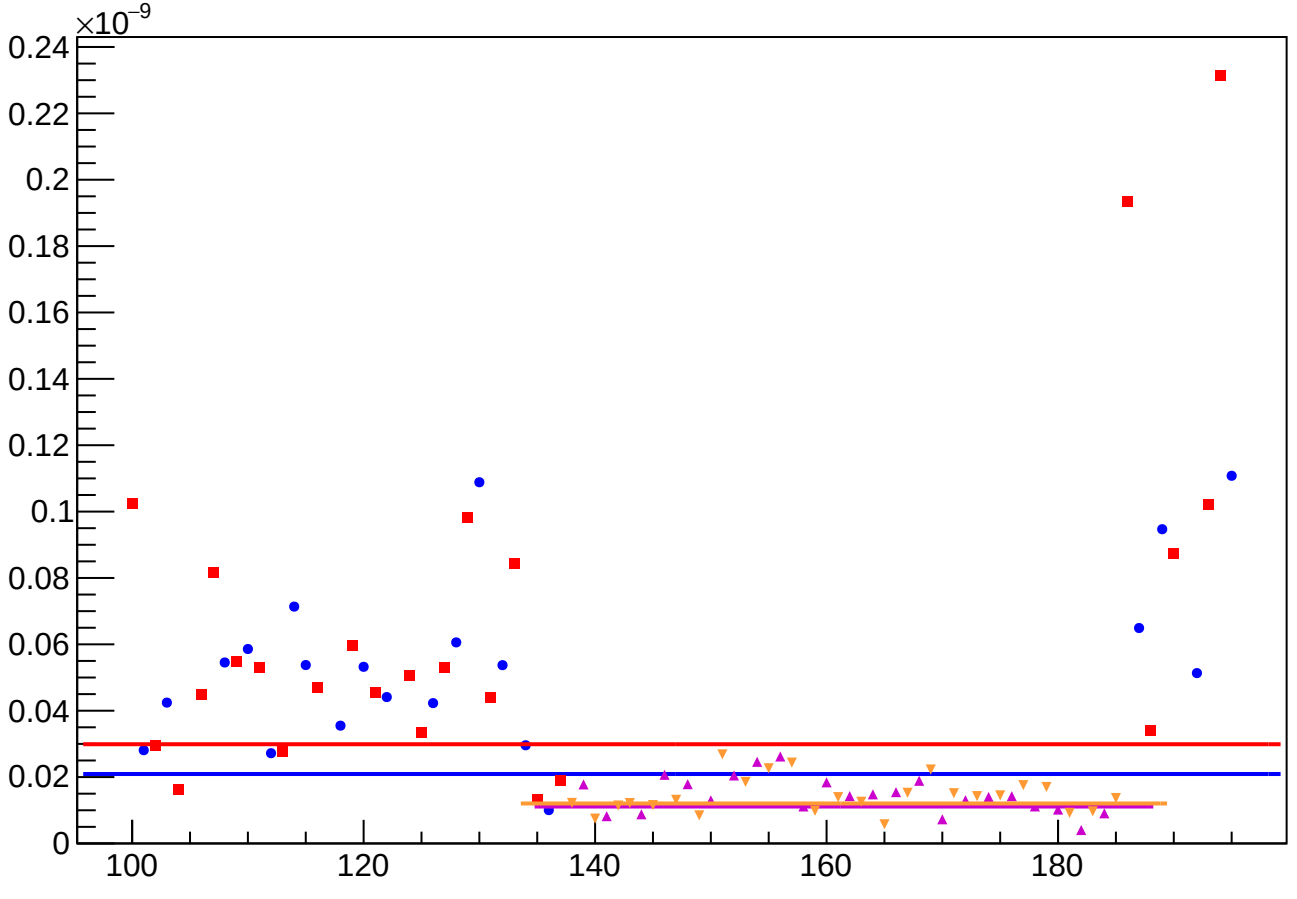
Right: 0.000+/-0.000 χ^2/NDF: 59.2/43

In: 0.000+/-0.000 χ^2/NDF:52.5/42

Out: 0.000+/-0.000 χ^2/NDF:57.3/48

All: 0.000+/-0.000 χ^2/NDF: 109.8/91

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3148703.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3126667.9/23

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

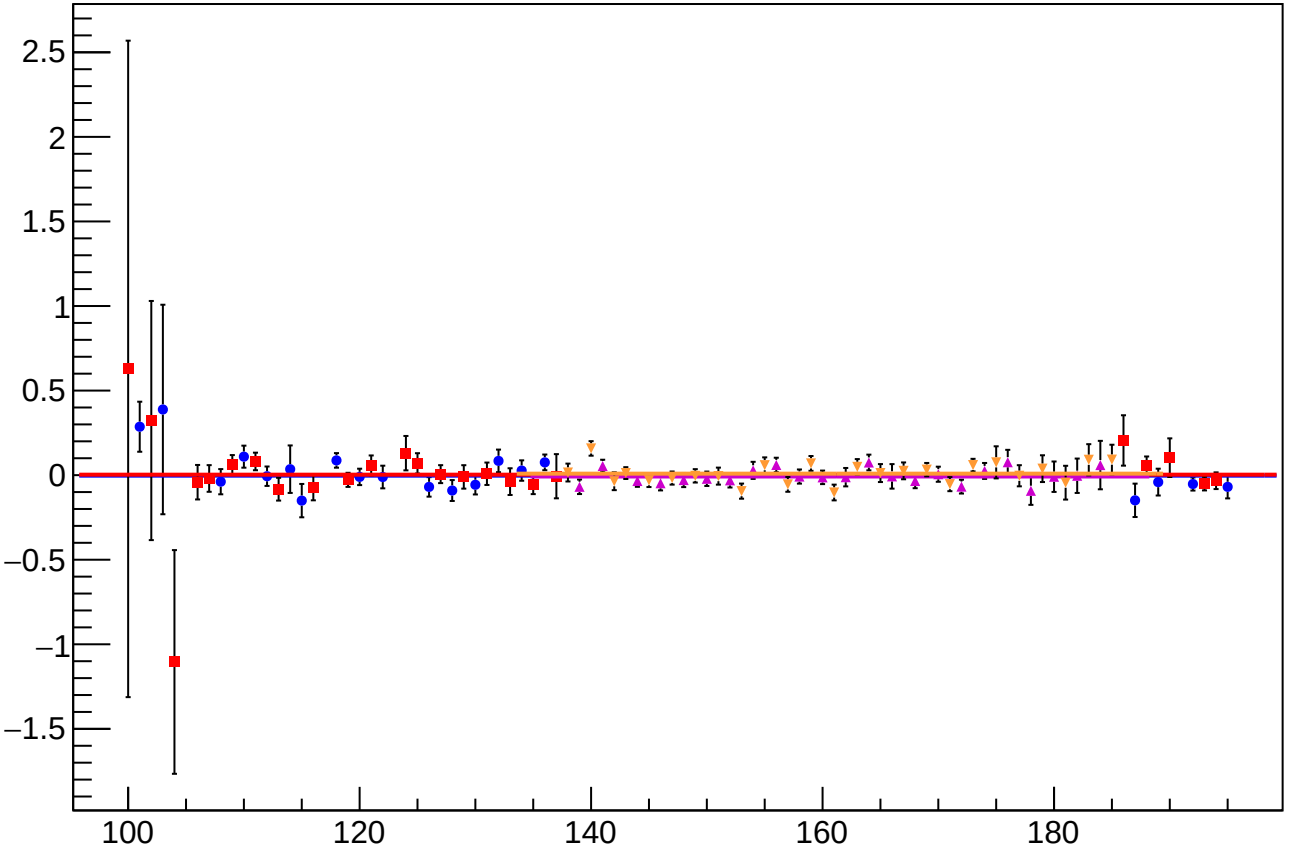
Right: 0.000+/-0.000 χ^2/NDF: 6577737.1/43

In: 0.000+/-0.000 χ^2/NDF:6216951.2/42

Out: 0.000+/-0.000 χ^2/NDF:6430003.5/48

All: 0.000+/-0.000 χ^2/NDF: 12704059.7/91

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.014 χ^2/NDF: 28.2/19

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.014 χ^2/NDF: 21.0/23

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

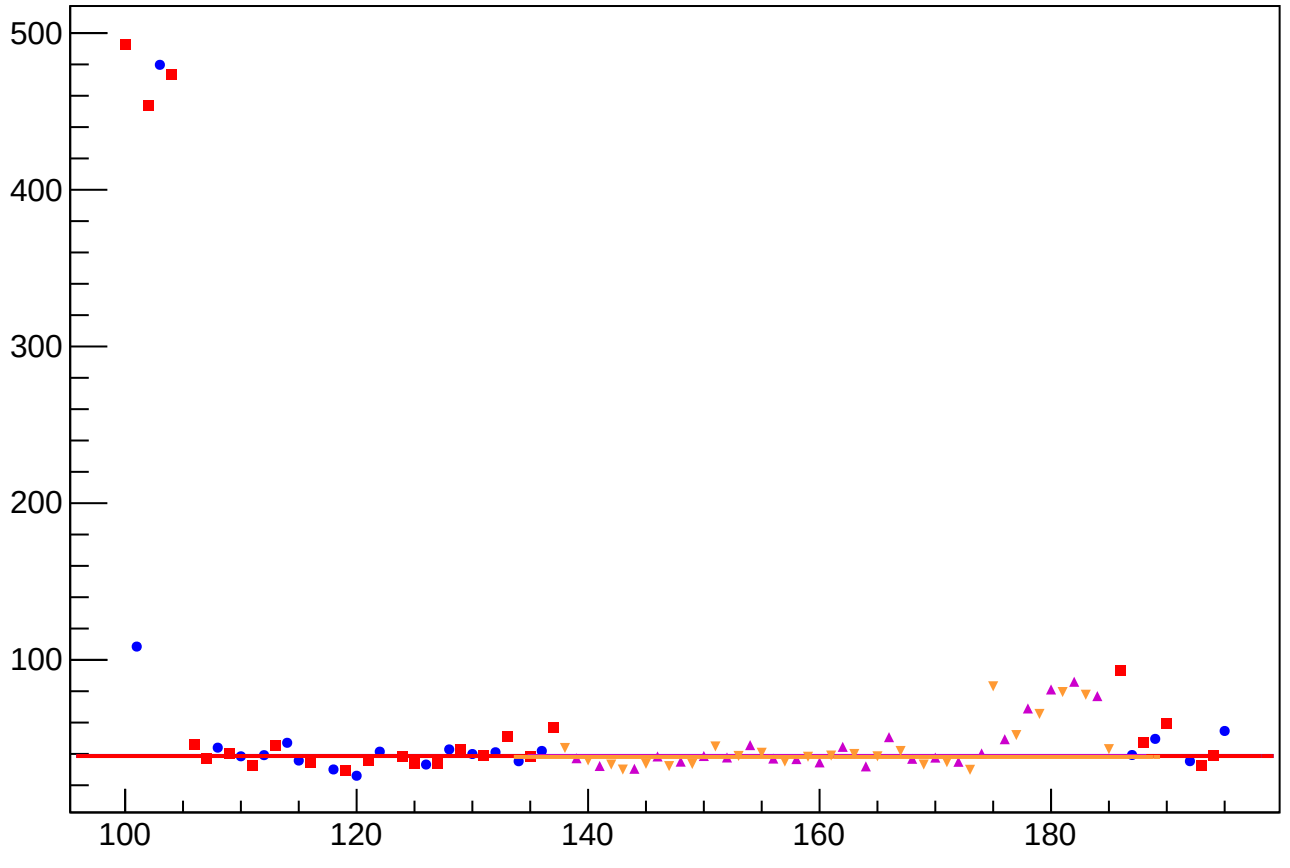
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.000+/-0.010 χ^2/NDF: 49.3/43

In: -0.006+/-0.008 χ^2/NDF:47.2/42

Out: 0.007+/-0.008 χ^2/NDF:59.7/48

All: 0.001+/-0.006 χ^2/NDF: 108.2/91



Right In: 38.703+/-0.010 χ^2/NDF: 1906028.8/19

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 38.642+/-0.010 χ^2/NDF: 2391222.5/23

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

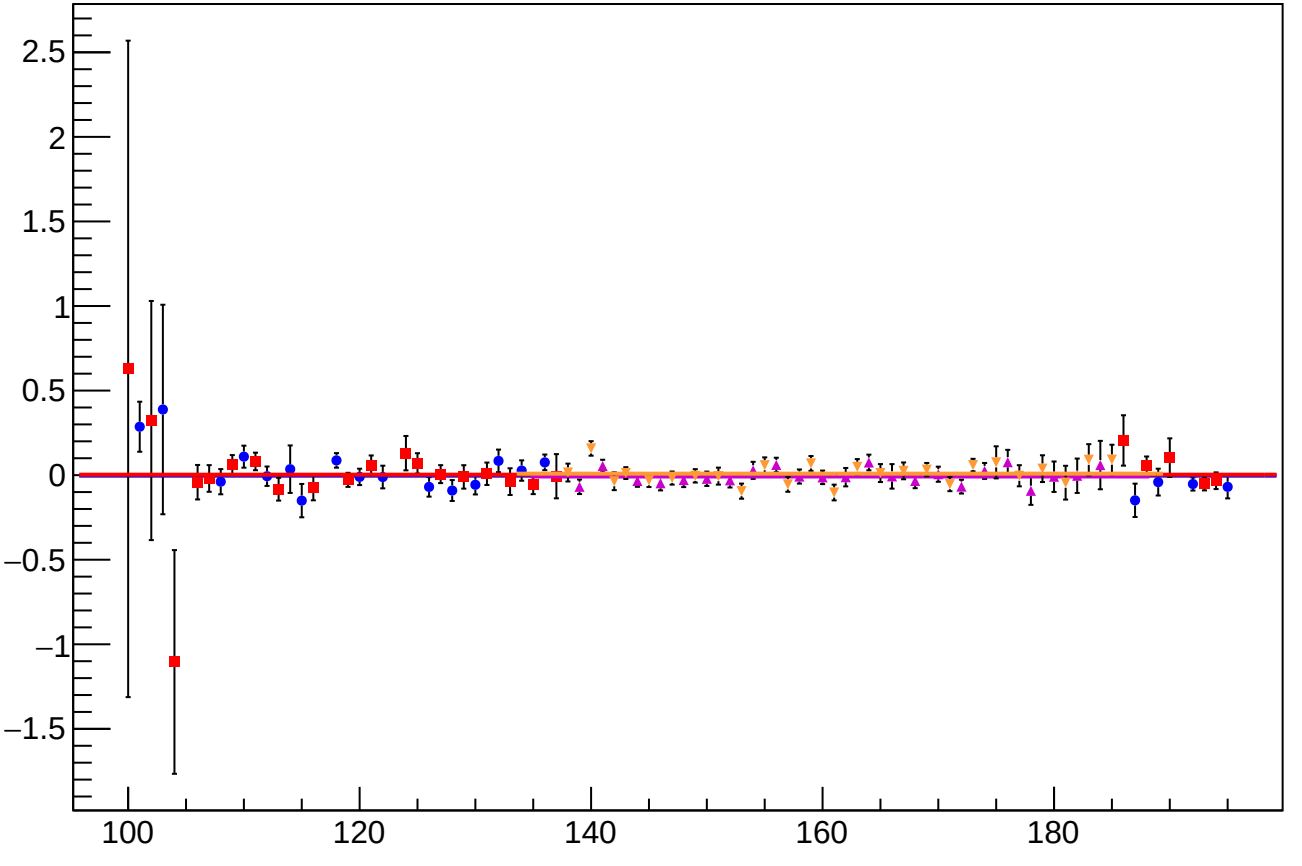
Right: 38.672+/-0.007 χ^2/NDF: 4297271.0/43

In: 38.654+/-0.006 χ^2/NDF:3633730.2/42

Out: 38.258+/-0.006 χ^2/NDF:4360729.4/48

All: 38.449+/-0.004 χ^2/NDF: 7996940.8/91

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.014 χ^2/NDF: 28.2/19

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.014 χ^2/NDF: 21.0/23

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

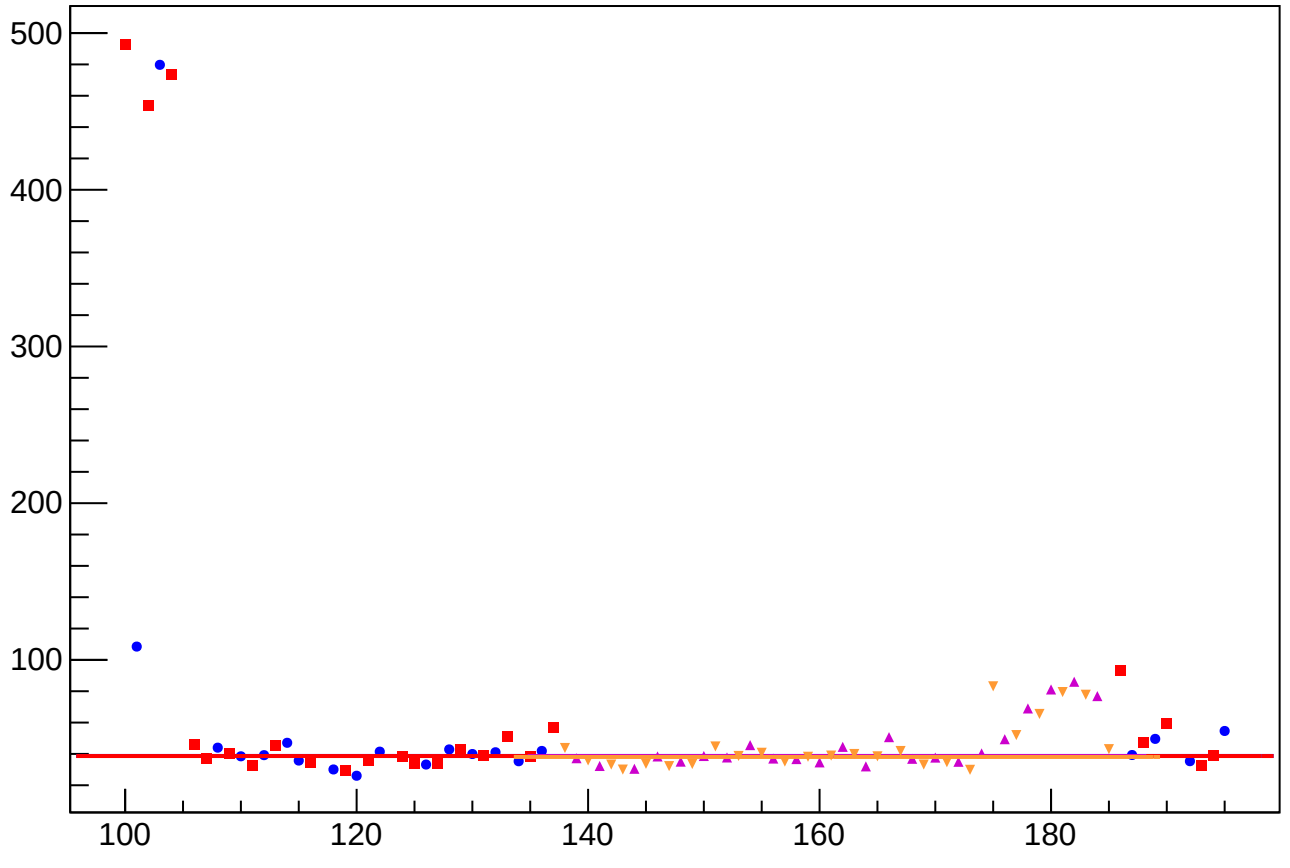
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.000+/-0.010 χ^2/NDF: 49.3/43

In: -0.006+/-0.008 χ^2/NDF:47.2/42

Out: 0.007+/-0.008 χ^2/NDF:59.7/48

All: 0.001+/-0.006 χ^2/NDF: 108.2/91



Right In: 38.703+/-0.010 χ^2/NDF: 1906028.8/19

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 38.642+/-0.010 χ^2/NDF: 2391222.5/23

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

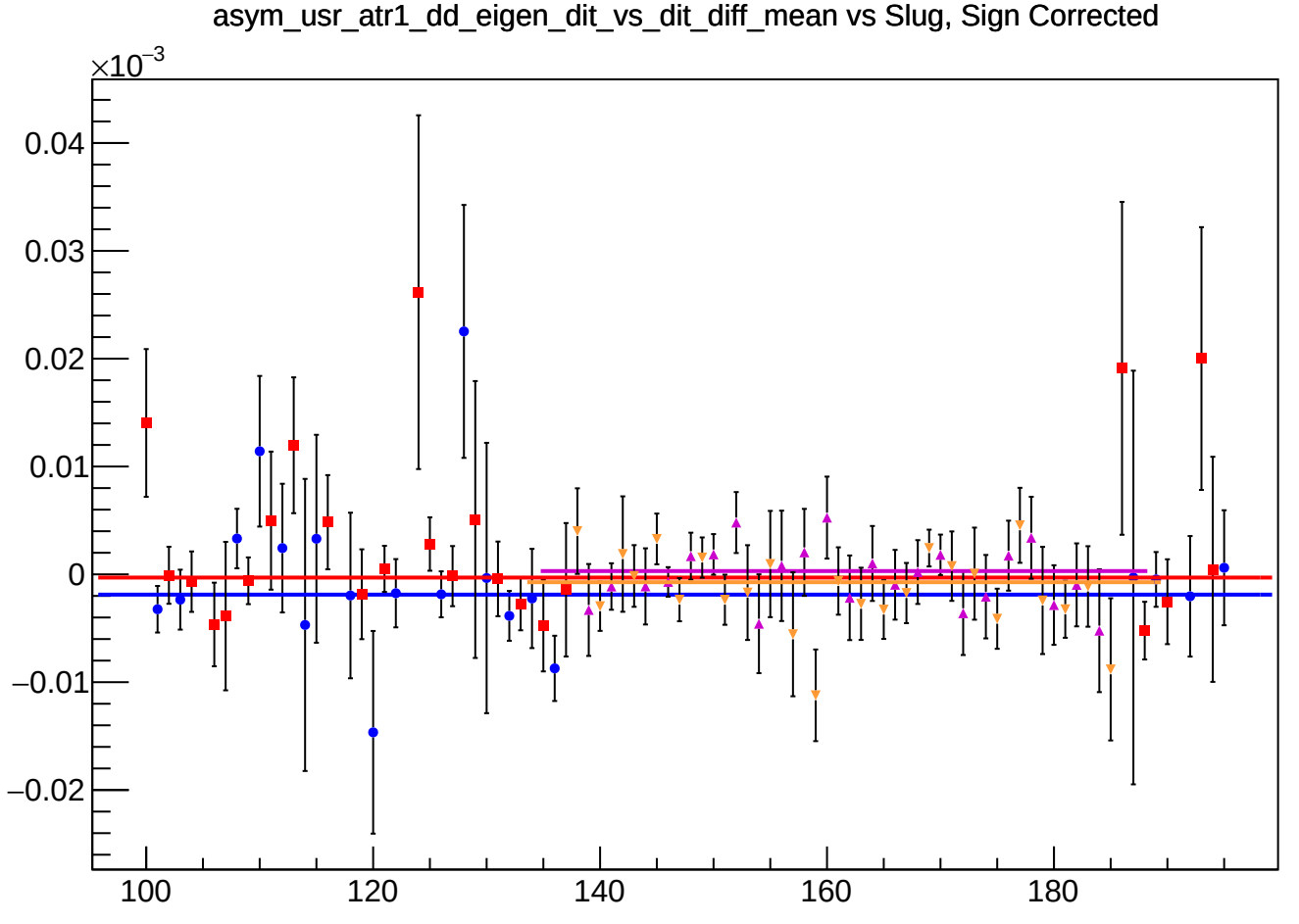
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.672+/-0.007 χ^2/NDF: 4297271.0/43

In: 38.654+/-0.006 χ^2/NDF:3633730.2/42

Out: 38.258+/-0.006 χ^2/NDF:4360729.4/48

All: 38.449+/-0.004 χ^2/NDF: 7996940.8/91



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/23

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

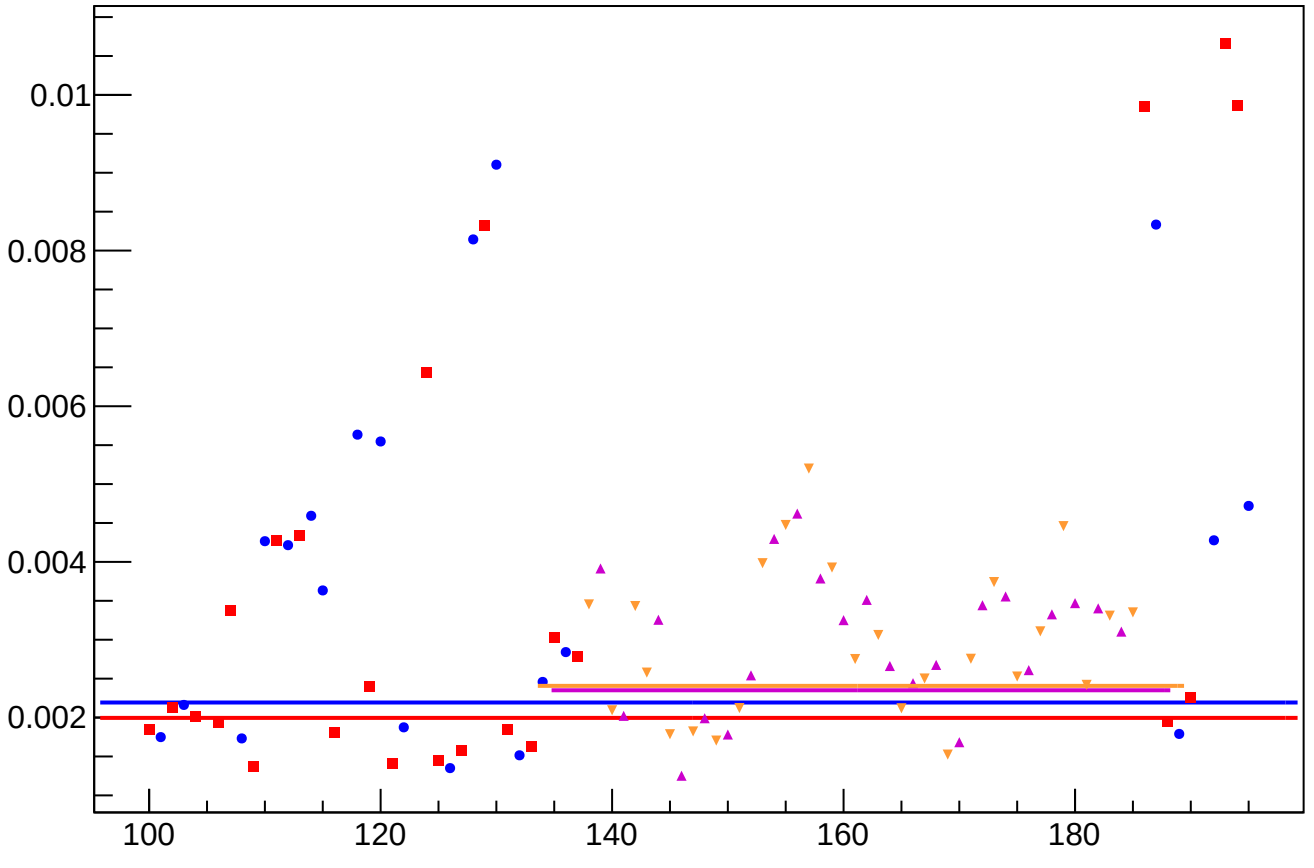
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 49.8/43

In: -0.000+/-0.000 χ^2/NDF:39.4/42

Out: -0.000+/-0.000 χ^2/NDF:53.4/48

All: -0.000+/-0.000 χ^2/NDF: 92.9/91



Right In: 0.002+/-0.000 χ^2/NDF: 4019255.7/19

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4604215.2/23

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

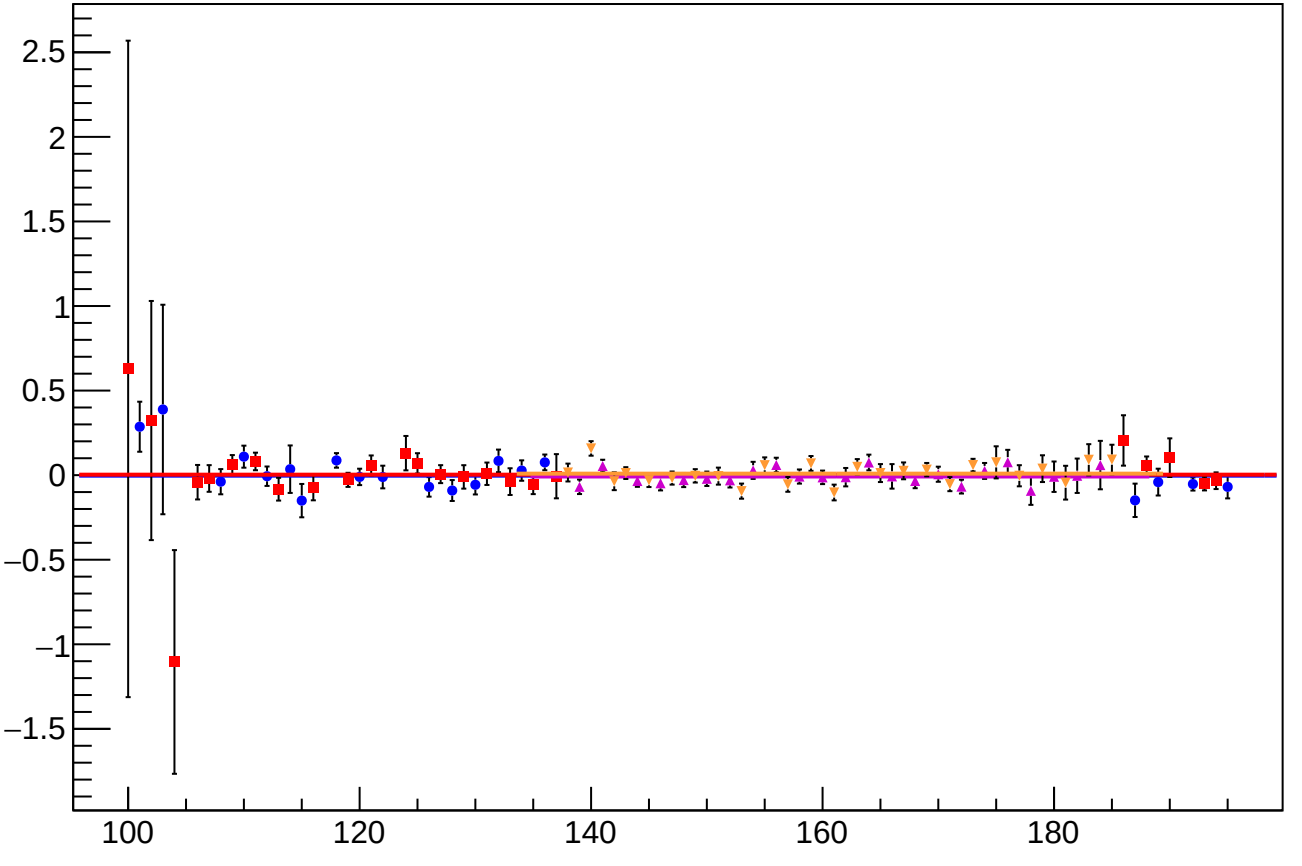
Right: 0.002+/-0.000 χ^2/NDF: 8687230.5/43

In: 0.002+/-0.000 χ^2/NDF:8505177.7/42

Out: 0.002+/-0.000 χ^2/NDF:8669164.7/48

All: 0.002+/-0.000 χ^2/NDF: 17184631.1/91

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.014 χ^2/NDF: 28.2/19

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.014 χ^2/NDF: 21.0/23

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

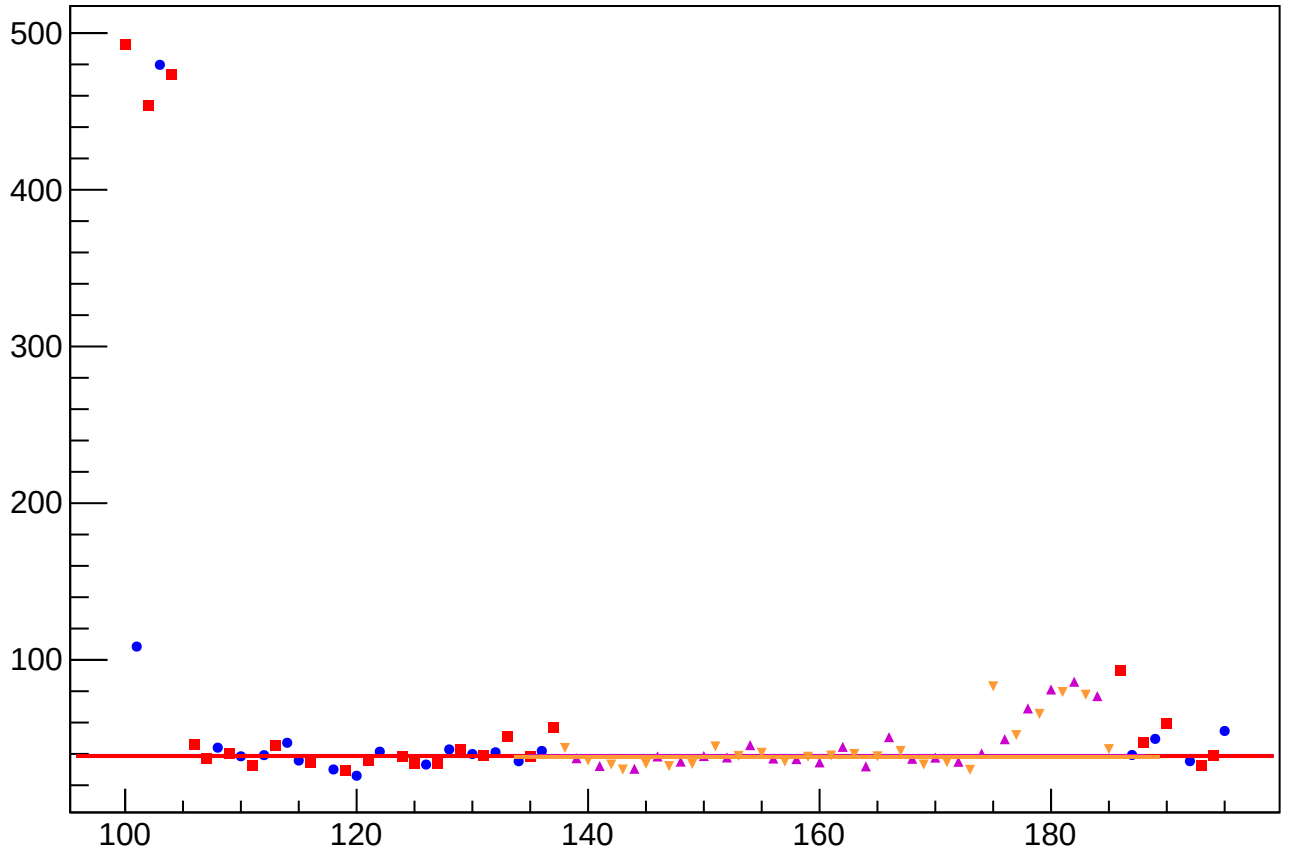
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.000+/-0.010 χ^2/NDF: 49.3/43

In: -0.006+/-0.008 χ^2/NDF:47.2/42

Out: 0.007+/-0.008 χ^2/NDF:59.7/48

All: 0.001+/-0.006 χ^2/NDF: 108.2/91



Right In: 38.703+/-0.010 χ^2/NDF: 1906079.1/19

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 38.639+/-0.010 χ^2/NDF: 2391389.2/23

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

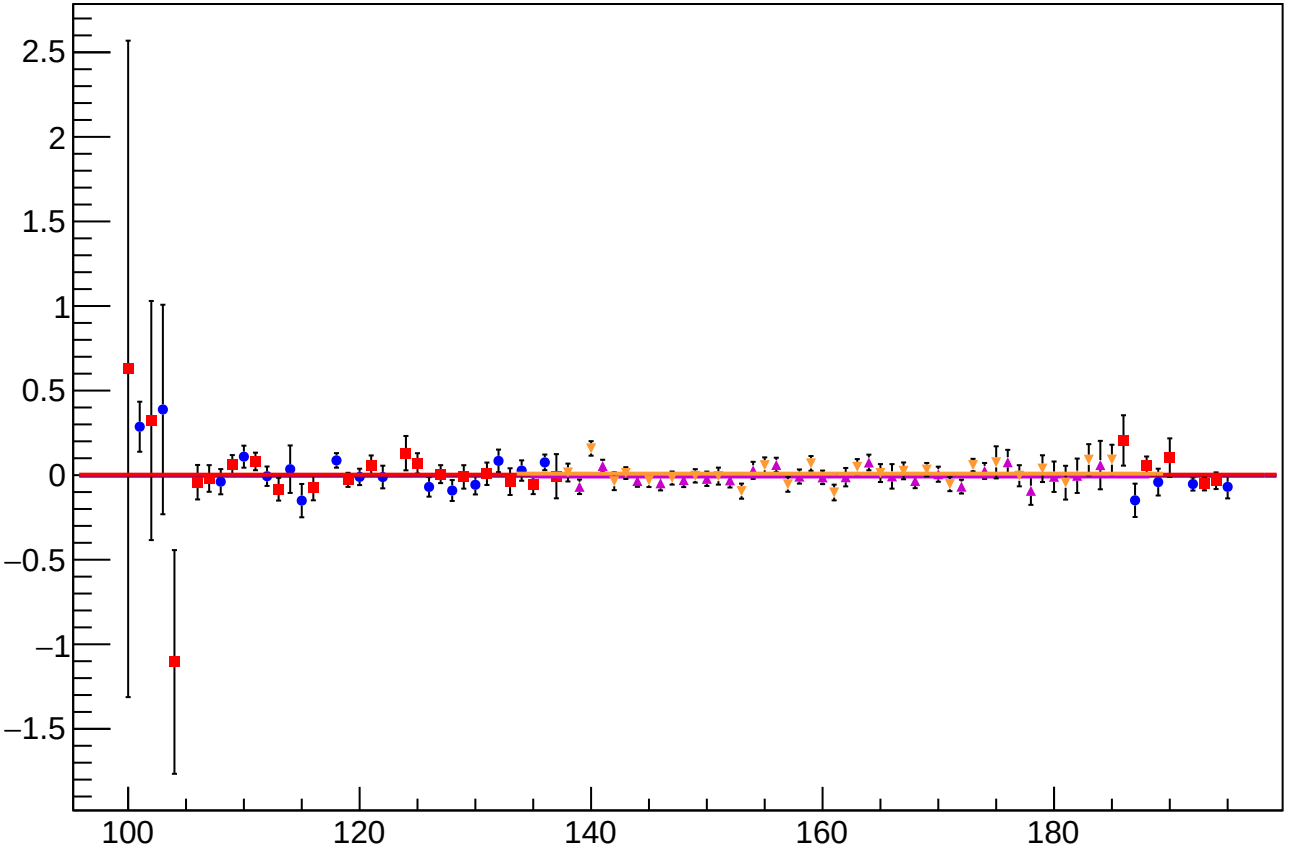
Right: 38.670+/-0.007 χ^2/NDF: 4297489.8/43

In: 38.654+/-0.006 χ^2/NDF:3633814.3/42

Out: 38.257+/-0.006 χ^2/NDF:4360864.9/48

All: 38.448+/-0.004 χ^2/NDF: 7997169.4/91

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.014 χ^2/NDF: 28.2/19

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.014 χ^2/NDF: 21.0/23

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

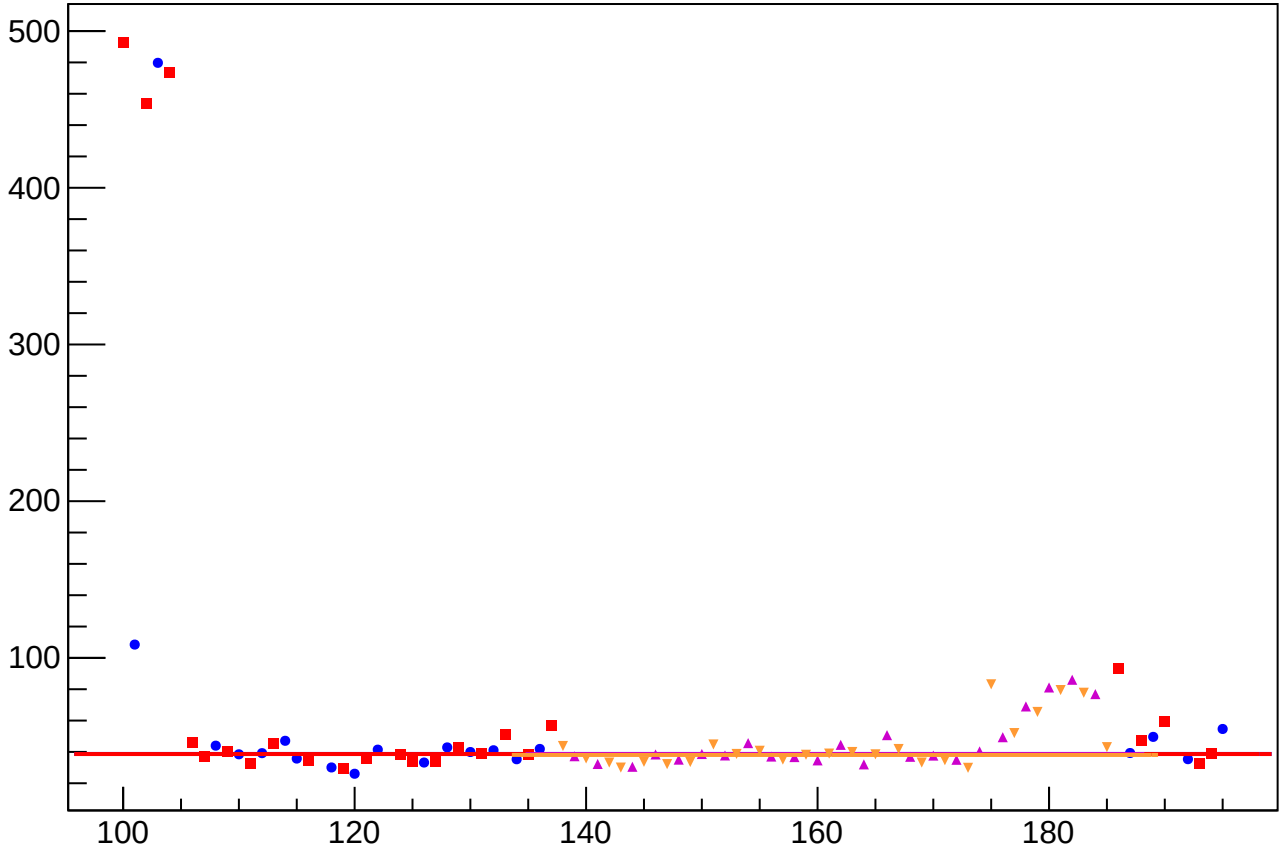
Right: 0.000+/-0.010 χ^2/NDF: 49.3/43

In: -0.006+/-0.008 χ^2/NDF:47.2/42

Out: 0.007+/-0.008 χ^2/NDF:59.7/48

All: 0.001+/-0.006 χ^2/NDF: 108.2/91

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.703+/-0.010 χ^2/NDF: 1906079.1/19

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 38.639+/-0.010 χ^2/NDF: 2391389.2/23

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

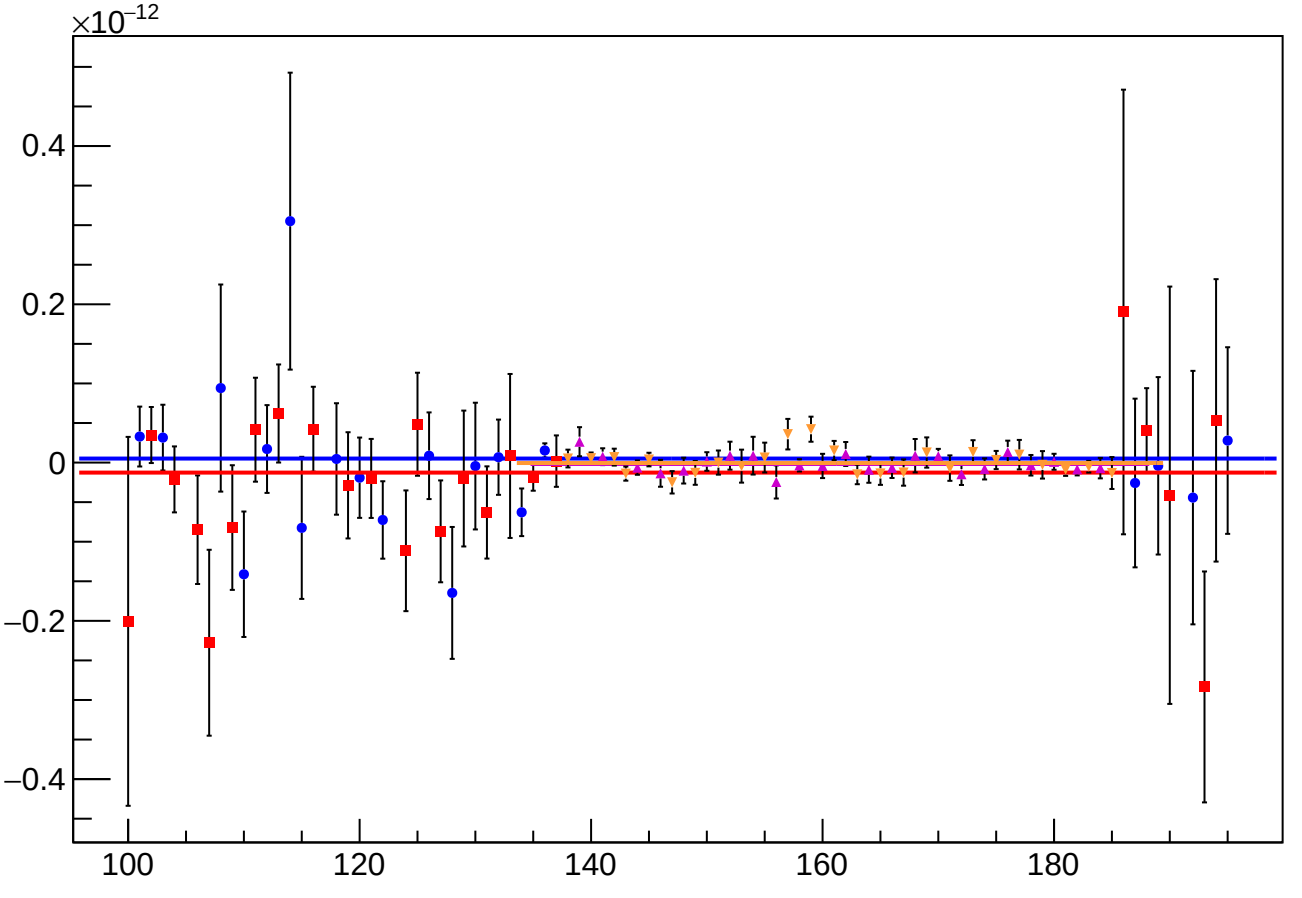
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 38.670+/-0.007 χ^2/NDF: 4297489.8/43

In: 38.654+/-0.006 χ^2/NDF:3633814.3/42

Out: 38.257+/-0.006 χ^2/NDF:4360864.9/48

All: 38.448+/-0.004 χ^2/NDF: 7997169.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/23

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

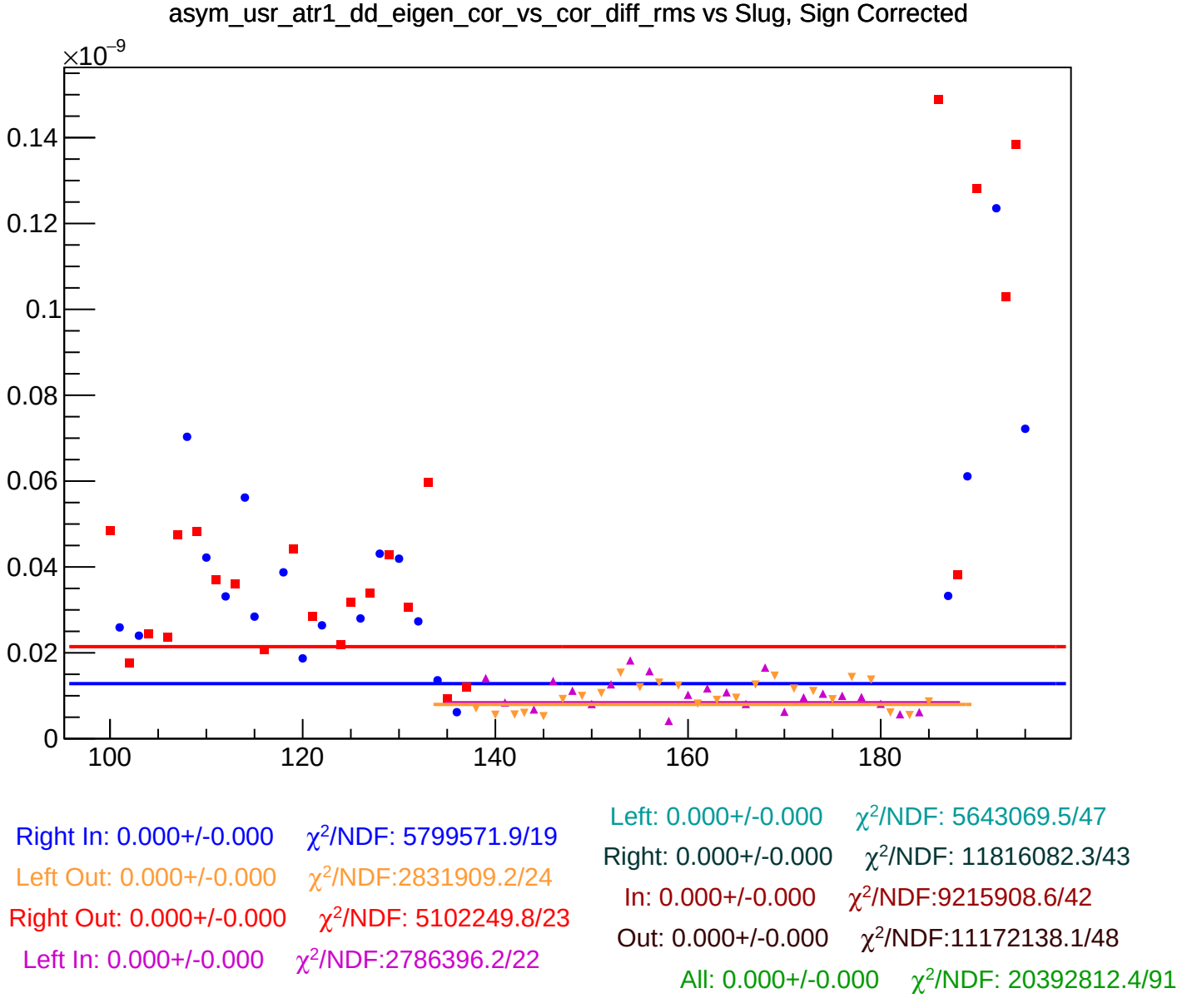
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

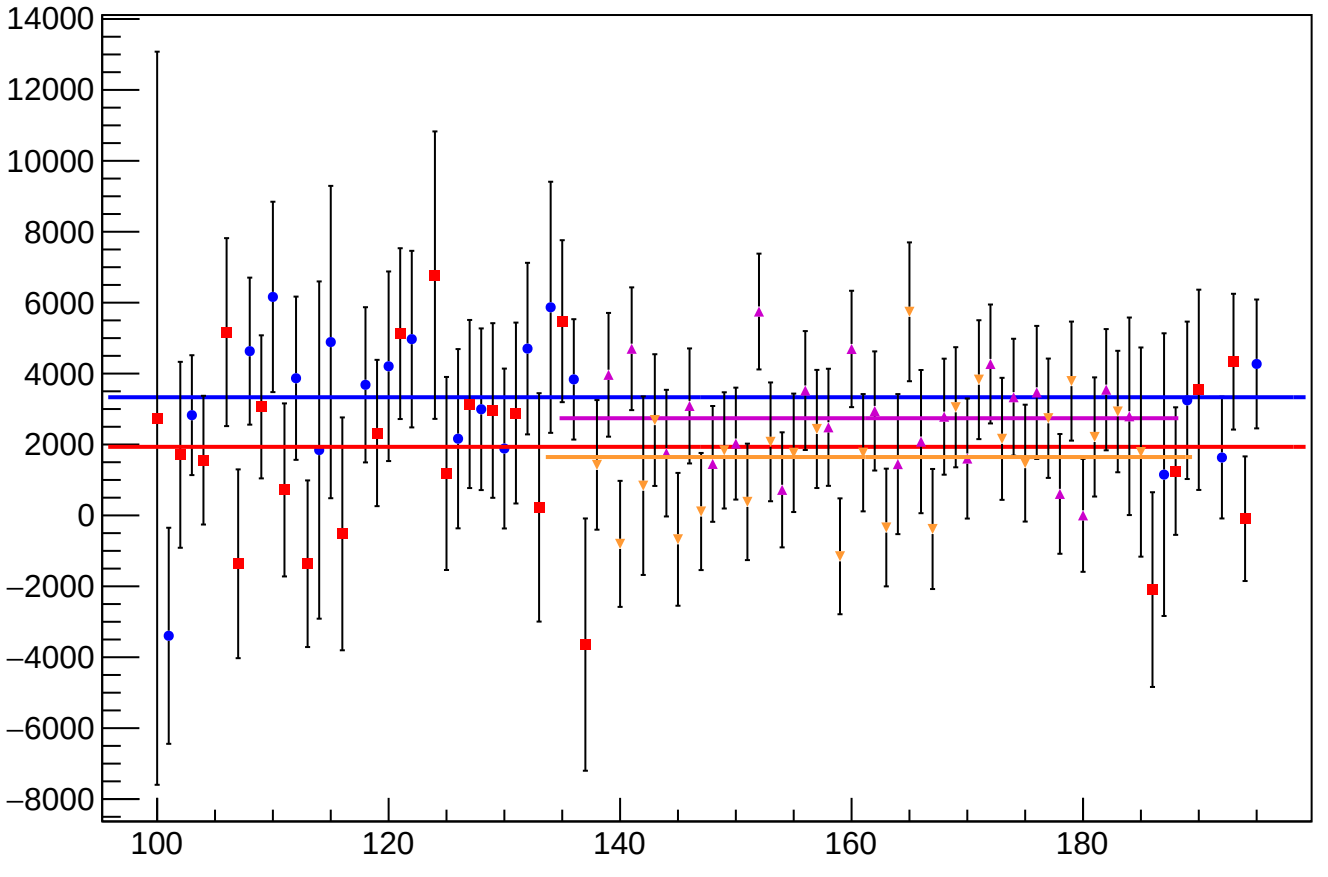
Right: -0.000+/-0.000 χ^2/NDF: 44.9/43

In: -0.000+/-0.000 χ^2/NDF:34.2/42

Out: -0.000+/-0.000 χ^2/NDF:49.4/48

All: -0.000+/-0.000 χ^2/NDF: 83.6/91


asym_usr_atr1_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
Right In: 0.000+/-0.000 χ²/NDF: 5799571.9/19
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 5102249.8/23
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
Left: 0.000+/-0.000 χ²/NDF: 5643069.5/47
Right: 0.000+/-0.000 χ²/NDF: 11816082.3/43
In: 0.000+/-0.000 χ²/NDF:9215908.6/42
Out: 0.000+/-0.000 χ²/NDF:11172138.1/48
All: 0.000+/-0.000 χ²/NDF: 20392812.4/91



Right In: 3332.938+/-521.698 χ^2/NDF: 10.4/19

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1933.631+/-496.312 χ^2/NDF: 20.7/23

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

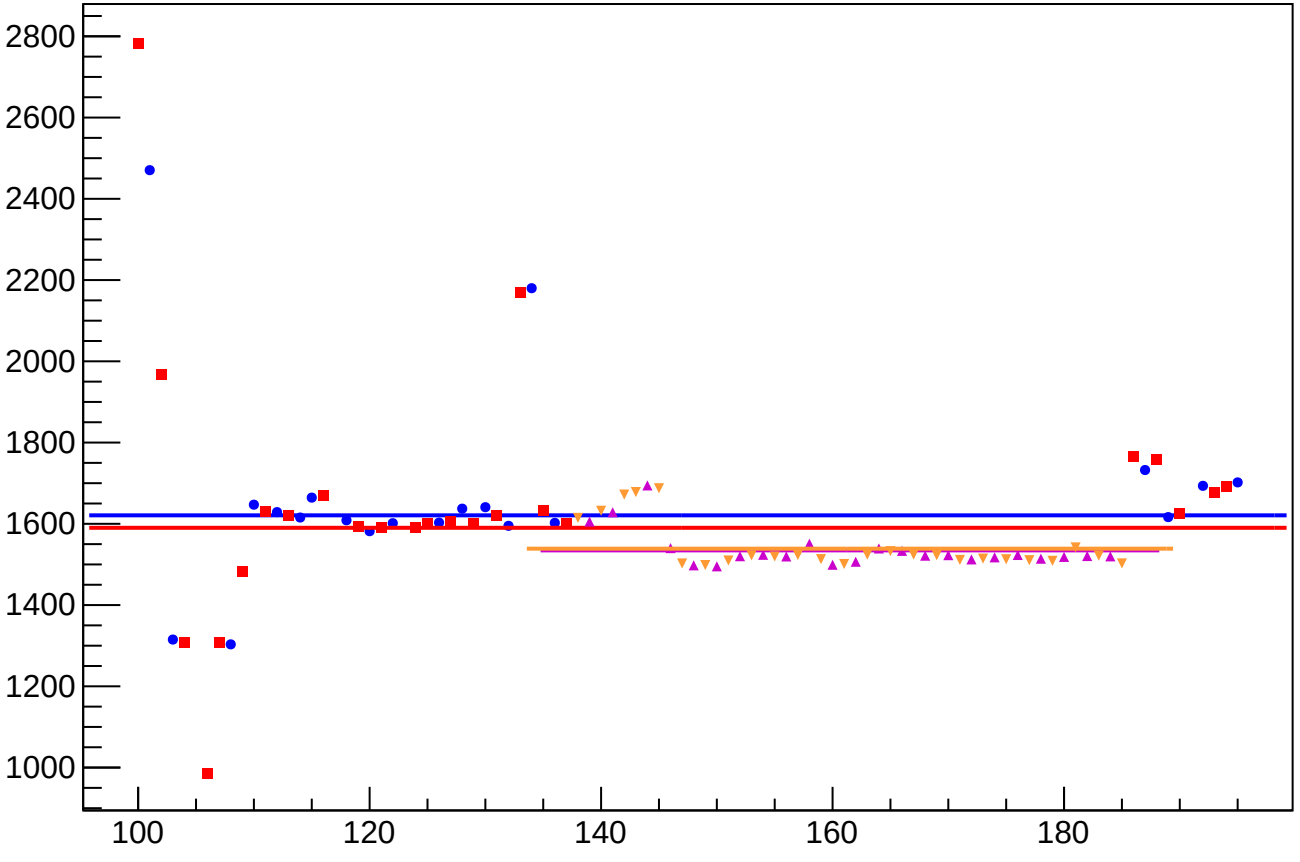
Right: 2598.412+/-359.585 χ^2/NDF: 34.9/43

In: 2930.784+/-295.440 χ^2/NDF:27.8/42

Out: 1741.713+/-285.899 χ^2/NDF:42.0/48

All: 2316.738+/-205.451 χ^2/NDF: 78.1/91

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1620.867+/-0.369 χ^2/NDF: 328756.7/19

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1590.186+/-0.347 χ^2/NDF: 425090.4/23

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

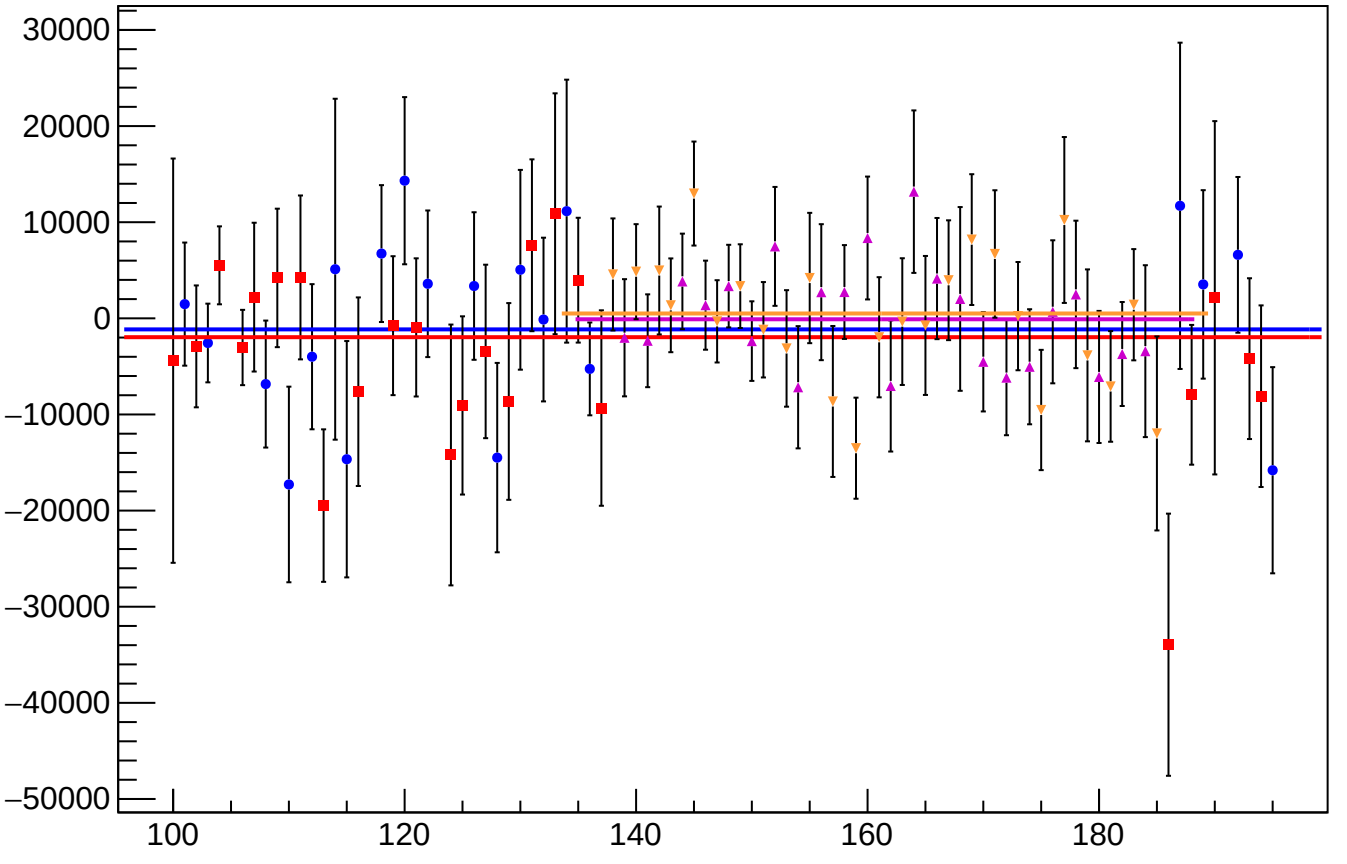
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1604.578+/-0.253 χ^2/NDF: 757519.5/43

In: 1562.276+/-0.209 χ^2/NDF:397013.0/42

Out: 1556.134+/-0.201 χ^2/NDF:486697.9/48

All: 1559.091+/-0.145 χ^2/NDF: 884159.1/91



Right In: -1149.831+/-1739.357 χ^2/NDF: 17.5/19

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -1960.736+/-1558.628 χ^2/NDF: 22.5/23

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

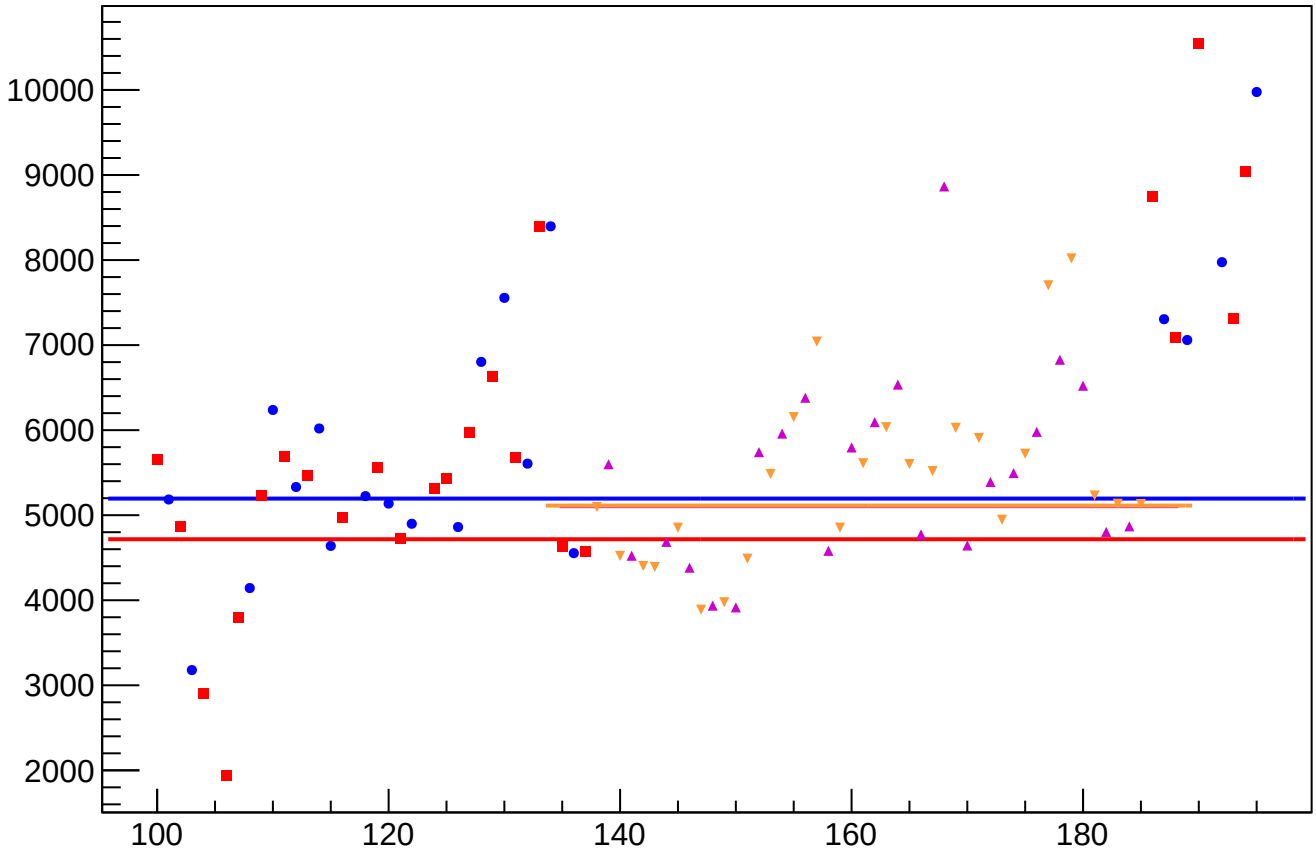
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -1599.588+/-1160.770 χ^2/NDF: 40.0/43

In: -443.857+/-997.475 χ^2/NDF:32.6/42

Out: -401.152+/-944.484 χ^2/NDF:50.8/48

All: -421.340+/-685.820 χ^2/NDF: 83.4/91



Right In: 5195.370+/-1.230 χ^2/NDF: 1615306.2/19

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4717.255+/-1.102 χ^2/NDF: 3041976.0/23

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

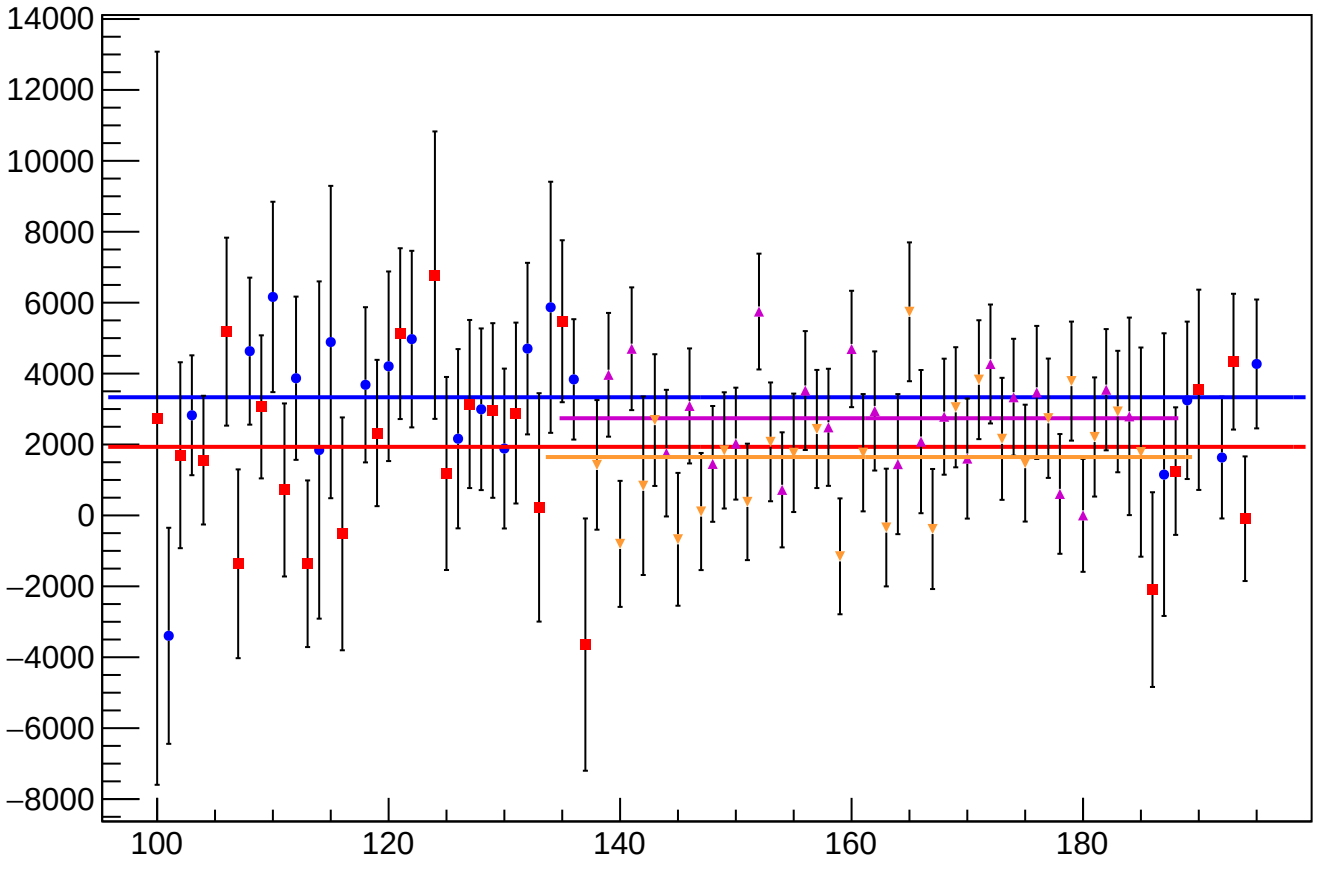
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 4930.190+/-0.821 χ^2/NDF: 4741097.8/43

In: 5135.650+/-0.705 χ^2/NDF:2870441.6/42

Out: 4967.653+/-0.668 χ^2/NDF:4282558.0/48

All: 5047.071+/-0.485 χ^2/NDF: 7182912.8/91



Right In: 3332.711+/-521.698 χ^2/NDF: 10.4/19

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1933.620+/-496.314 χ^2/NDF: 20.7/23

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

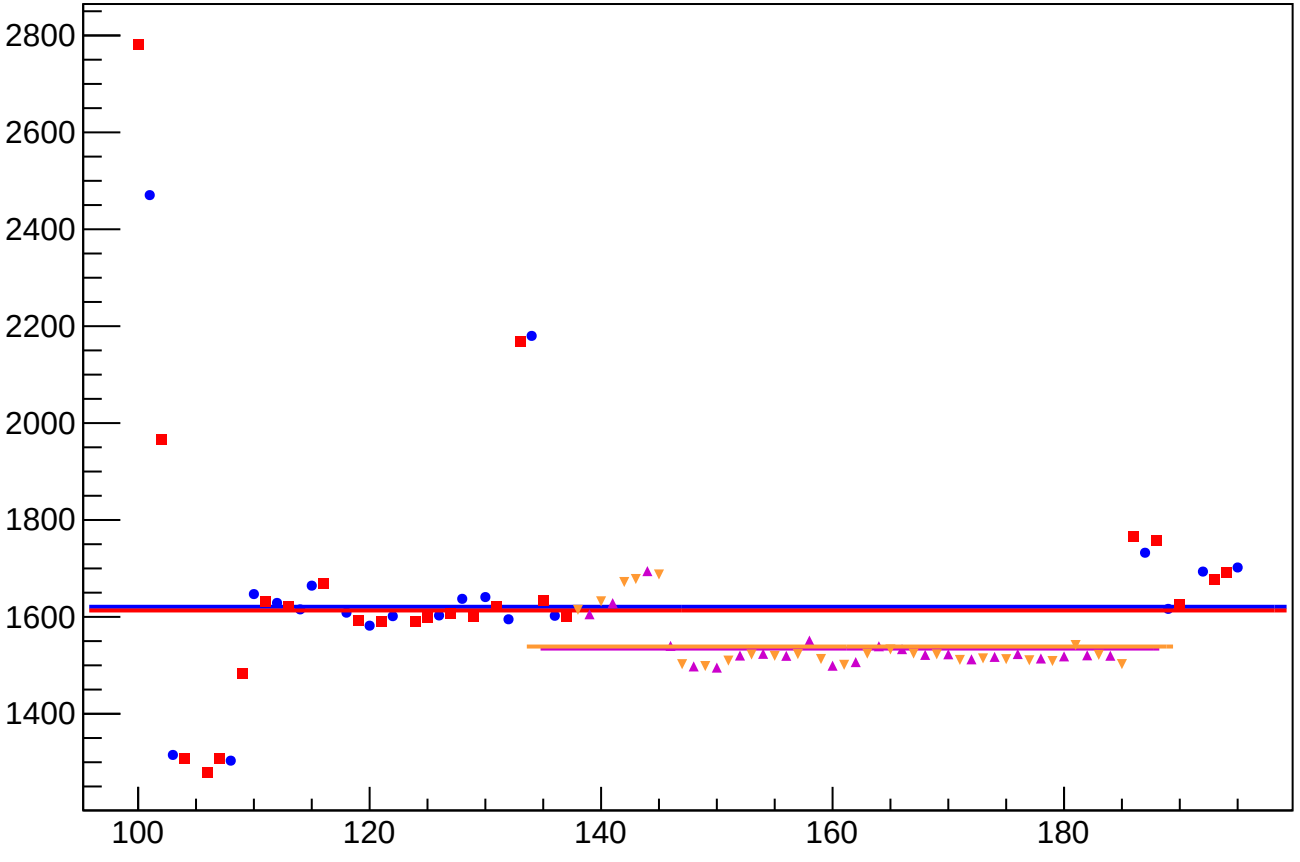
Right: 2598.301+/-359.586 χ^2/NDF: 34.9/43

In: 2930.644+/-295.440 χ^2/NDF:27.8/42

Out: 1741.637+/-285.899 χ^2/NDF:42.0/48

All: 2316.632+/-205.451 χ^2/NDF: 78.1/91

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1620.867+/-0.369 χ^2/NDF: 328755.8/19

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1613.262+/-0.350 χ^2/NDF: 276803.9/23

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

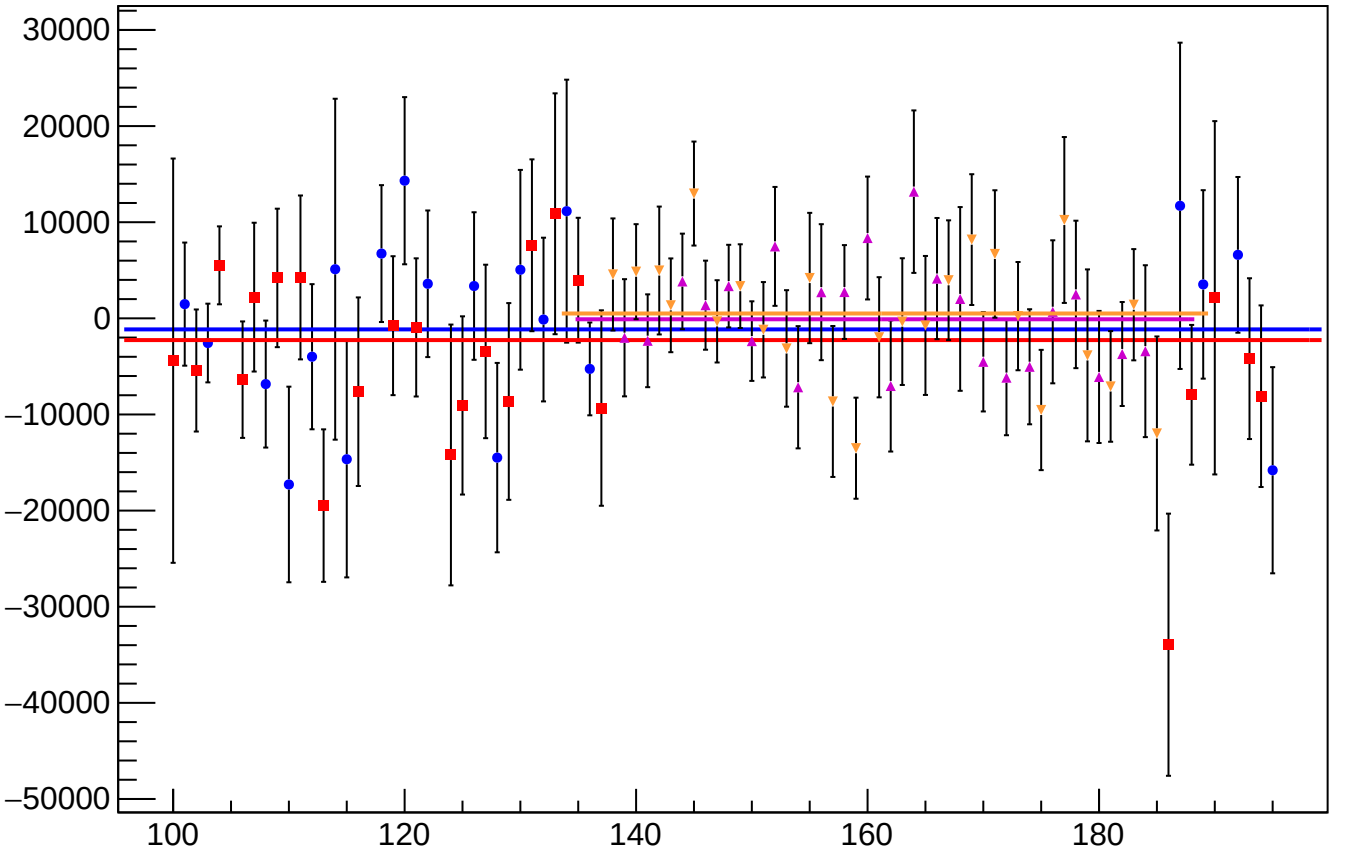
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1616.864+/-0.254 χ^2/NDF: 605783.3/43

In: 1562.276+/-0.209 χ^2/NDF:397012.3/42

Out: 1563.608+/-0.202 χ^2/NDF:354045.7/48

All: 1562.964+/-0.145 χ^2/NDF: 751079.0/91



Right In: -1150.017+/-1739.388 χ^2/NDF: 17.5/19

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2262.313+/-1635.990 χ^2/NDF: 23.2/23

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

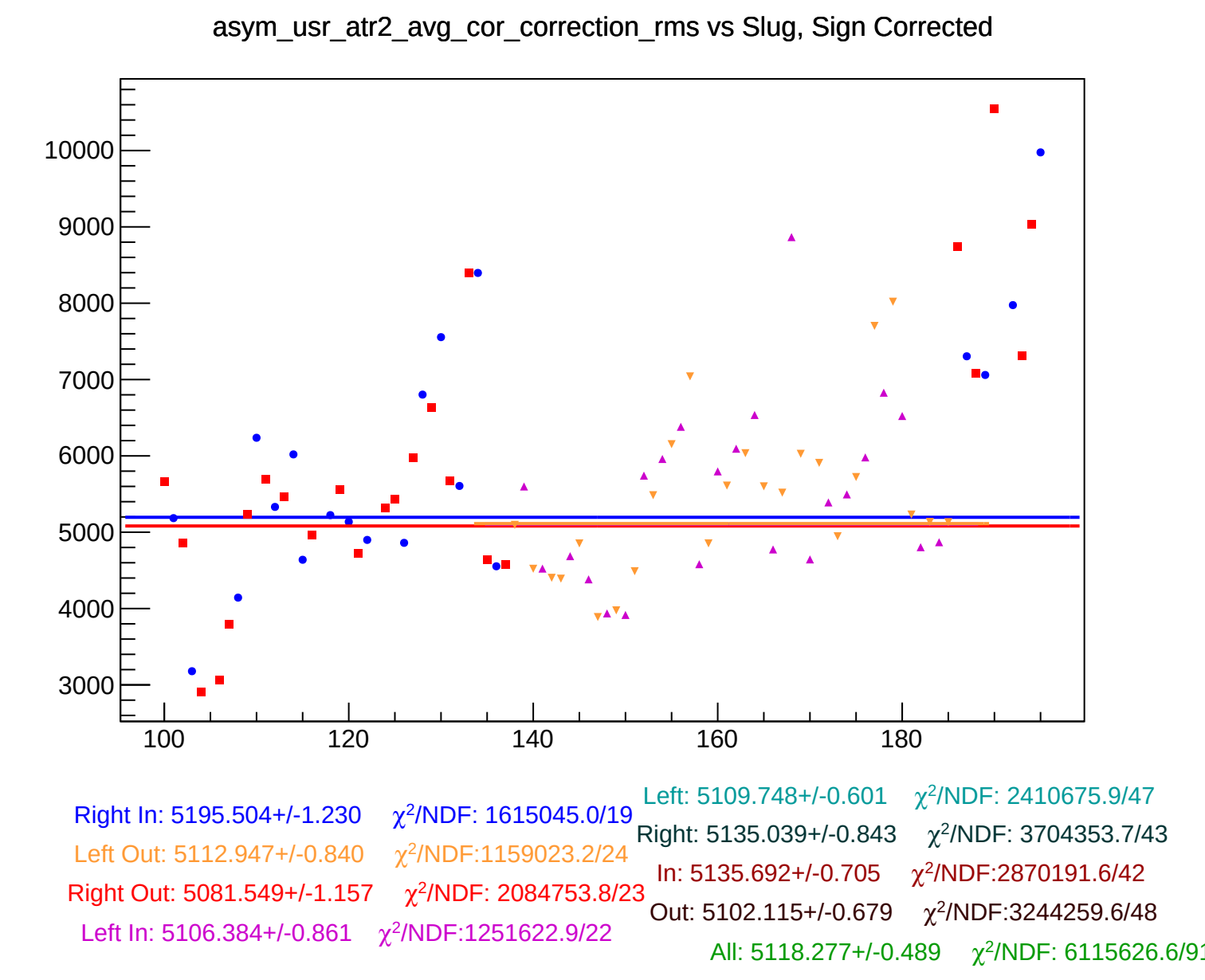
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

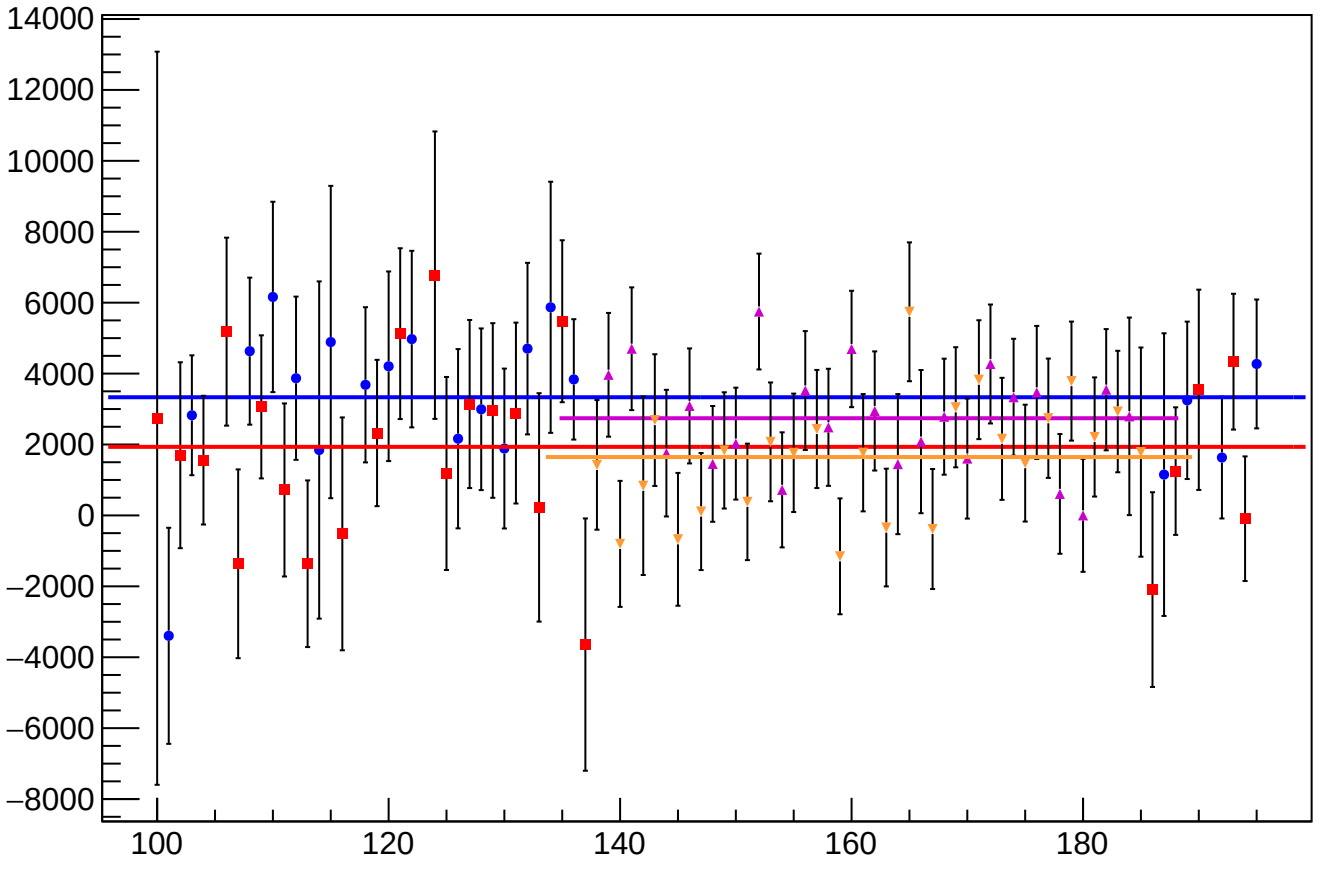
Right: -1740.206+/-1191.697 χ^2/NDF: 40.8/43

In: -443.924+/-997.481 χ^2/NDF:32.6/42

Out: -450.453+/-960.915 χ^2/NDF:51.8/48

All: -447.310+/-692.035 χ^2/NDF: 84.4/91


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
Right In: 5195.504+/-1.230 χ²/NDF: 1615045.0/19
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 5081.549+/-1.157 χ²/NDF: 2084753.8/23
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 5135.039+/-0.843 χ²/NDF: 3704353.7/43
In: 5135.692+/-0.705 χ²/NDF:2870191.6/42
Out: 5102.115+/-0.679 χ²/NDF:3244259.6/48
All: 5118.277+/-0.489 χ²/NDF: 6115626.6/91



Right In: 3332.711+/-521.698 χ^2/NDF: 10.4/19

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1933.620+/-496.314 χ^2/NDF: 20.7/23

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

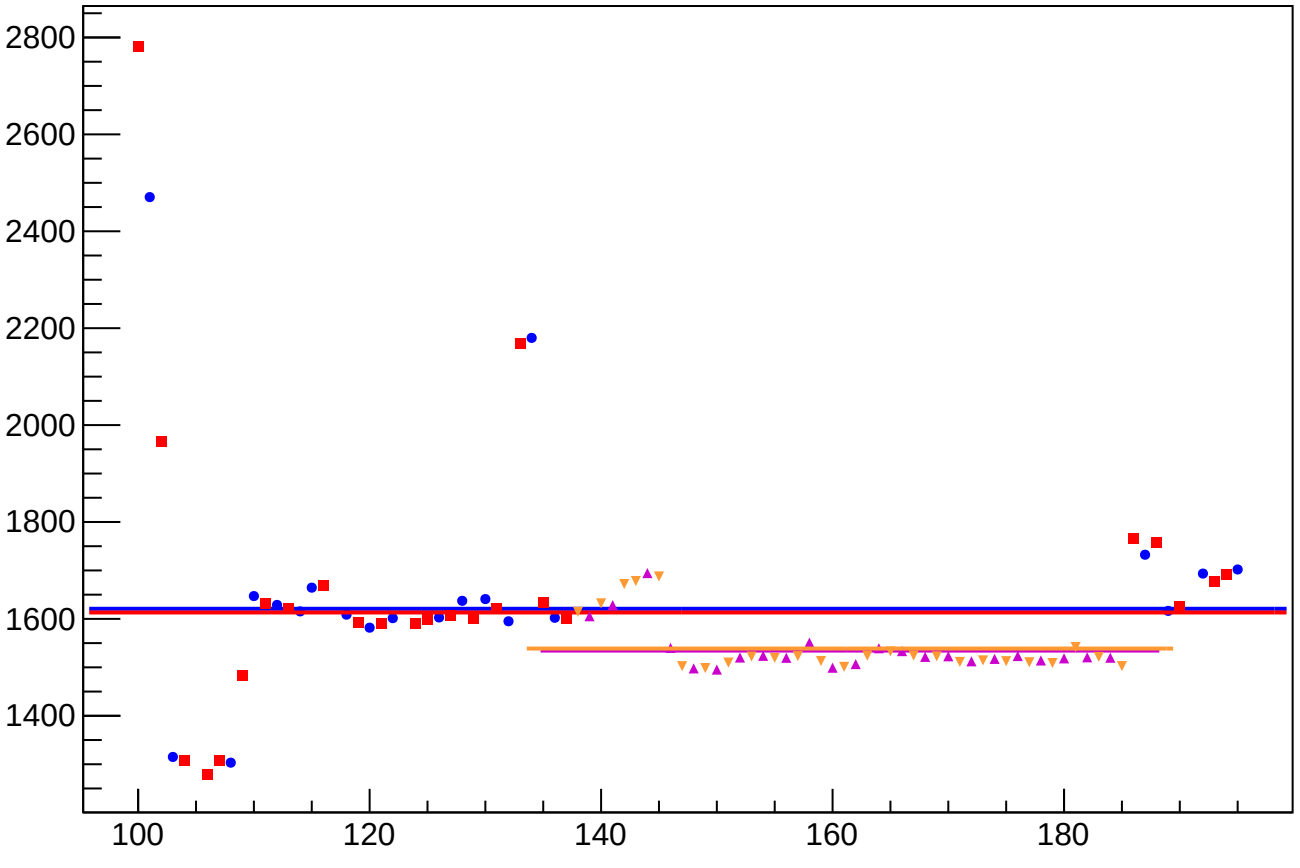
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2598.301+/-359.586 χ^2/NDF: 34.9/43

In: 2930.644+/-295.440 χ^2/NDF:27.8/42

Out: 1741.637+/-285.899 χ^2/NDF:42.0/48

All: 2316.632+/-205.451 χ^2/NDF: 78.1/91



Right In: 1620.867+/-0.369 χ^2/NDF: 328755.8/19

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1613.262+/-0.350 χ^2/NDF: 276803.9/23

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

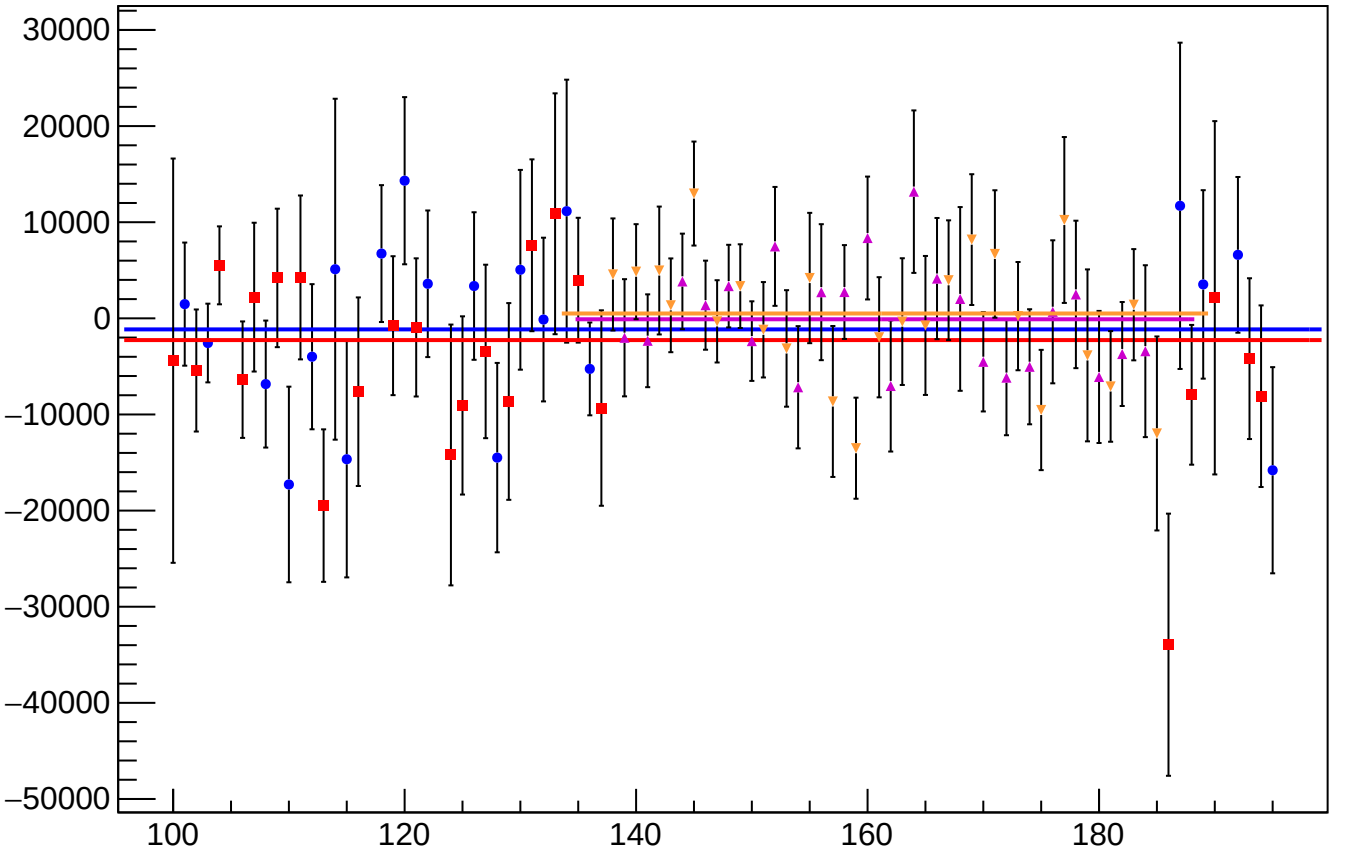
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1616.864+/-0.254 χ^2/NDF: 605783.3/43

In: 1562.276+/-0.209 χ^2/NDF:397012.3/42

Out: 1563.608+/-0.202 χ^2/NDF:354045.7/48

All: 1562.964+/-0.145 χ^2/NDF: 751079.0/91



Right In: -1150.017+/-1739.388 χ^2/NDF: 17.5/19

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2262.313+/-1635.990 χ^2/NDF: 23.2/23

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

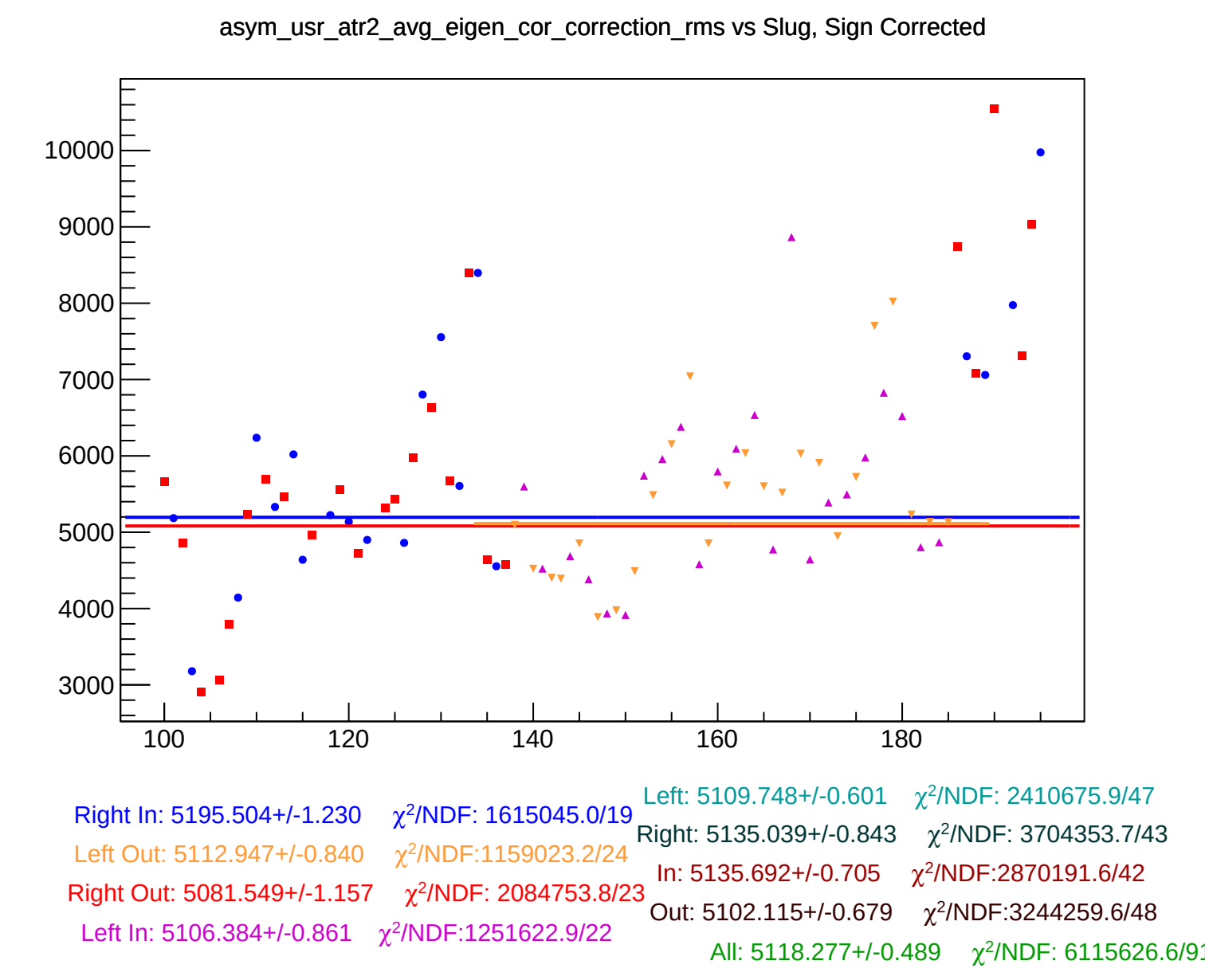
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

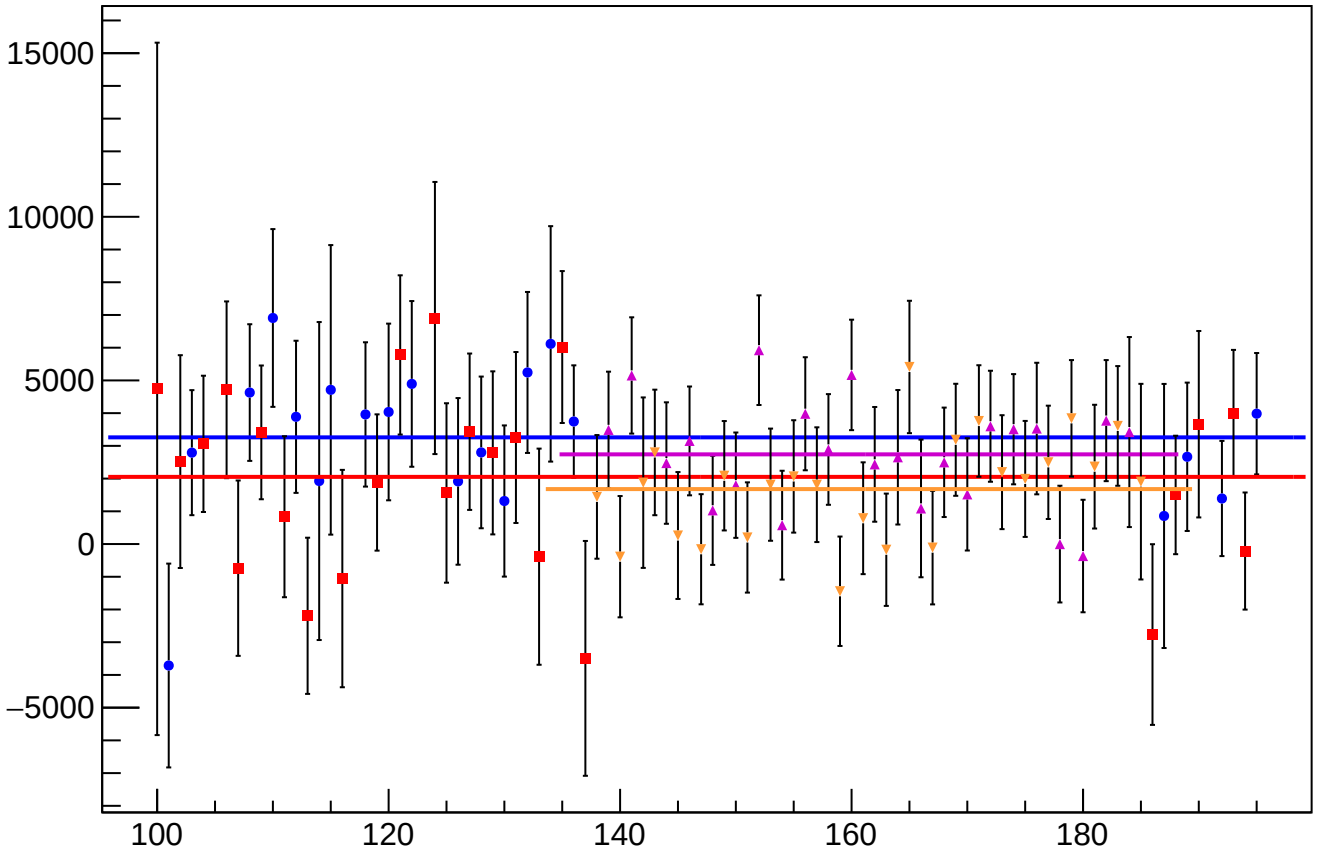
Right: -1740.206+/-1191.697 χ^2/NDF: 40.8/43

In: -443.924+/-997.481 χ^2/NDF:32.6/42

Out: -450.453+/-960.915 χ^2/NDF:51.8/48

All: -447.310+/-692.035 χ^2/NDF: 84.4/91


asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
Right In: 5195.504+/-1.230 χ²/NDF: 1615045.0/19
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 5081.549+/-1.157 χ²/NDF: 2084753.8/23
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 5135.039+/-0.843 χ²/NDF: 3704353.7/43
In: 5135.692+/-0.705 χ²/NDF:2870191.6/42
Out: 5102.115+/-0.679 χ²/NDF:3244259.6/48
All: 5118.277+/-0.489 χ²/NDF: 6115626.6/91



Right In: 3259.984+/-534.615 χ^2/NDF: 12.3/19

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 2052.518+/-509.892 χ^2/NDF: 23.4/23

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

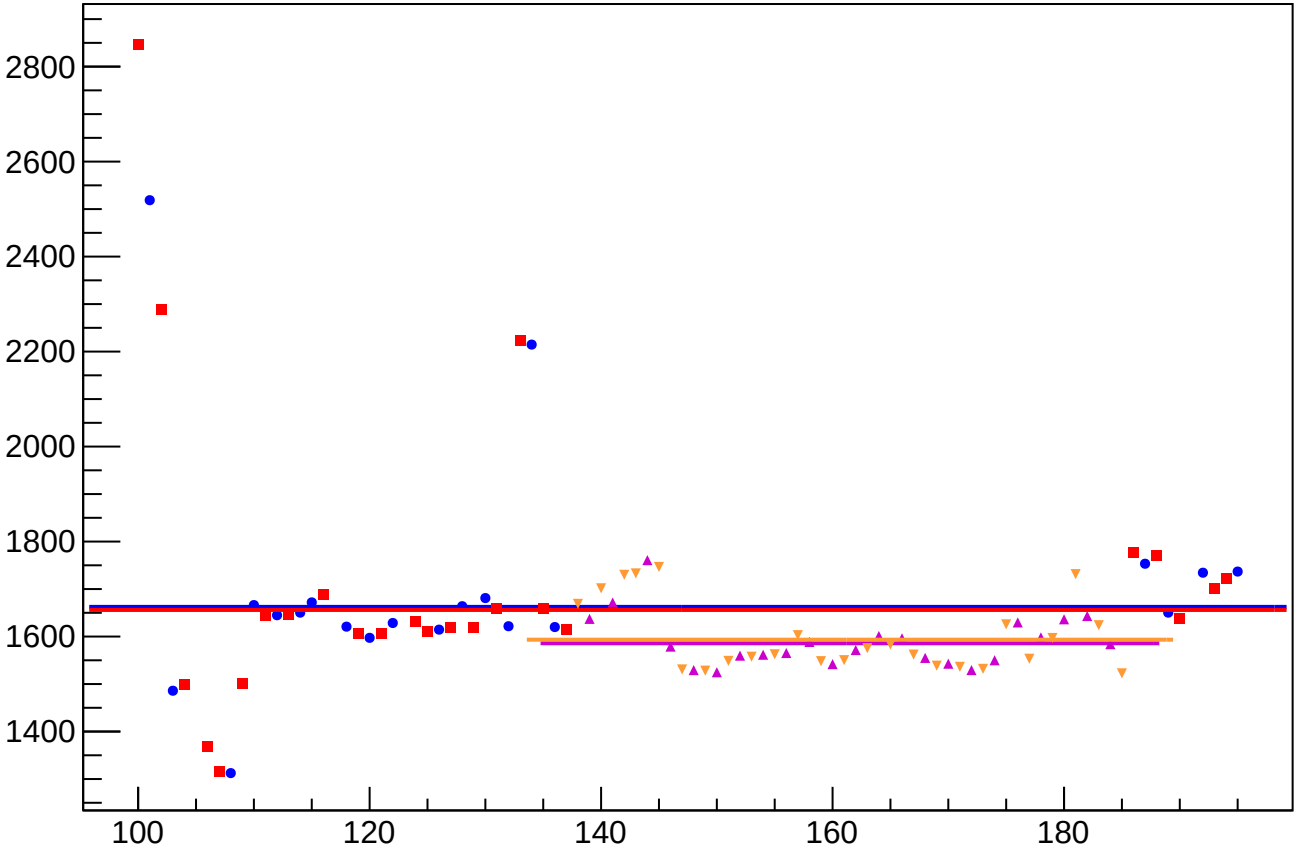
Right: 2627.687+/-368.979 χ^2/NDF: 38.3/43

In: 2909.224+/-304.578 χ^2/NDF:32.1/42

Out: 1804.462+/-295.387 χ^2/NDF:42.7/48

All: 2339.922+/-212.045 χ^2/NDF: 81.6/91

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1662.481+/-0.378 χ^2/NDF: 284204.0/19

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1656.003+/-0.360 χ^2/NDF: 258021.5/23

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

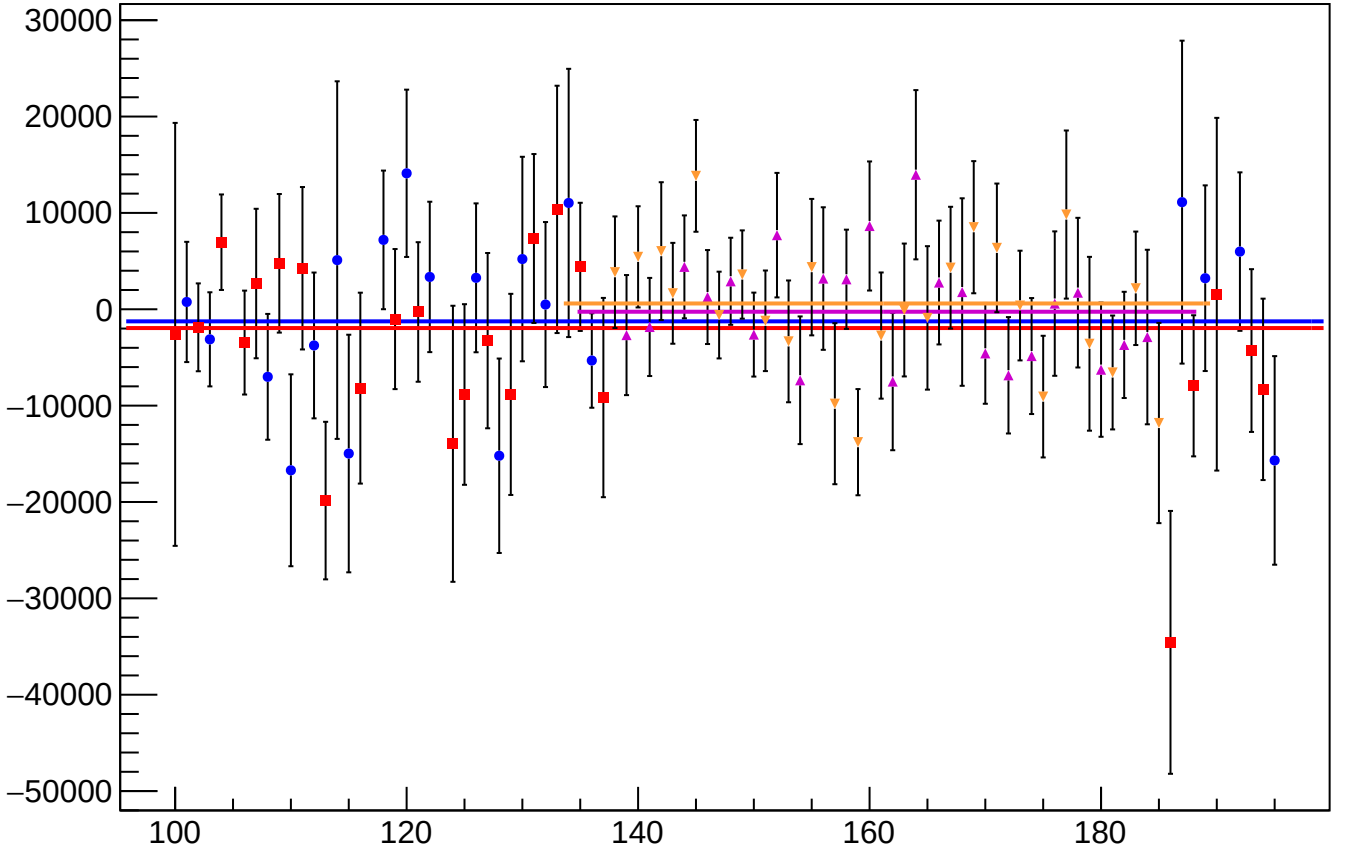
Right: 1659.087+/-0.261 χ^2/NDF: 542379.4/43

In: 1610.768+/-0.215 χ^2/NDF:353824.4/42

Out: 1614.419+/-0.209 χ^2/NDF:349952.8/48

All: 1612.650+/-0.150 χ^2/NDF: 703925.2/91

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1253.254+/-1794.058 χ^2/NDF: 17.2/19

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1949.737+/-1623.516 χ^2/NDF: 22.4/23

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

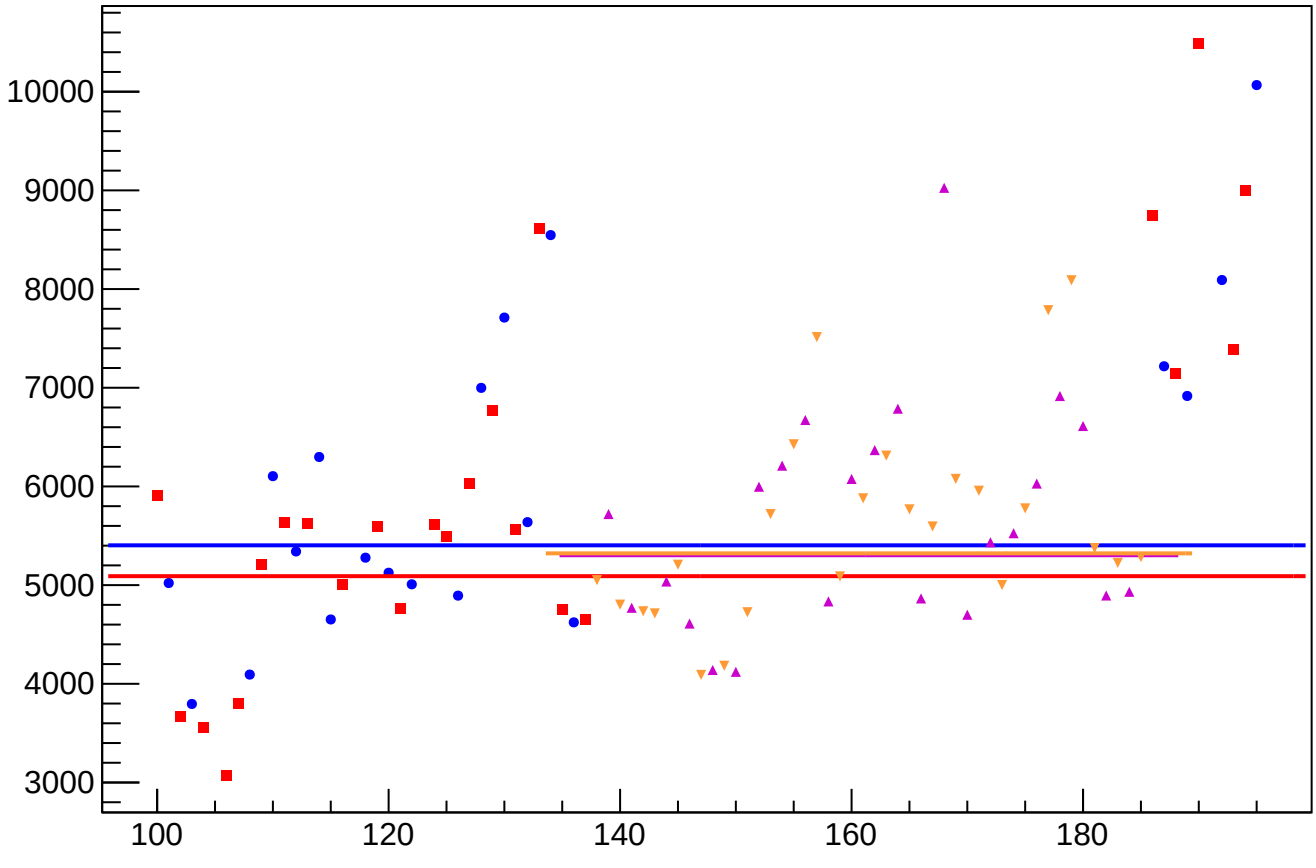
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1636.165+/-1203.788 χ^2/NDF: 39.7/43

In: -586.262+/-1032.535 χ^2/NDF:32.1/42

Out: -332.070+/-982.204 χ^2/NDF:50.0/48

All: -452.820+/-711.651 χ^2/NDF: 82.1/91



Right In: 5403.296+/-1.269 χ^2/NDF: 1300158.6/19

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5090.736+/-1.148 χ^2/NDF: 1969329.7/23

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

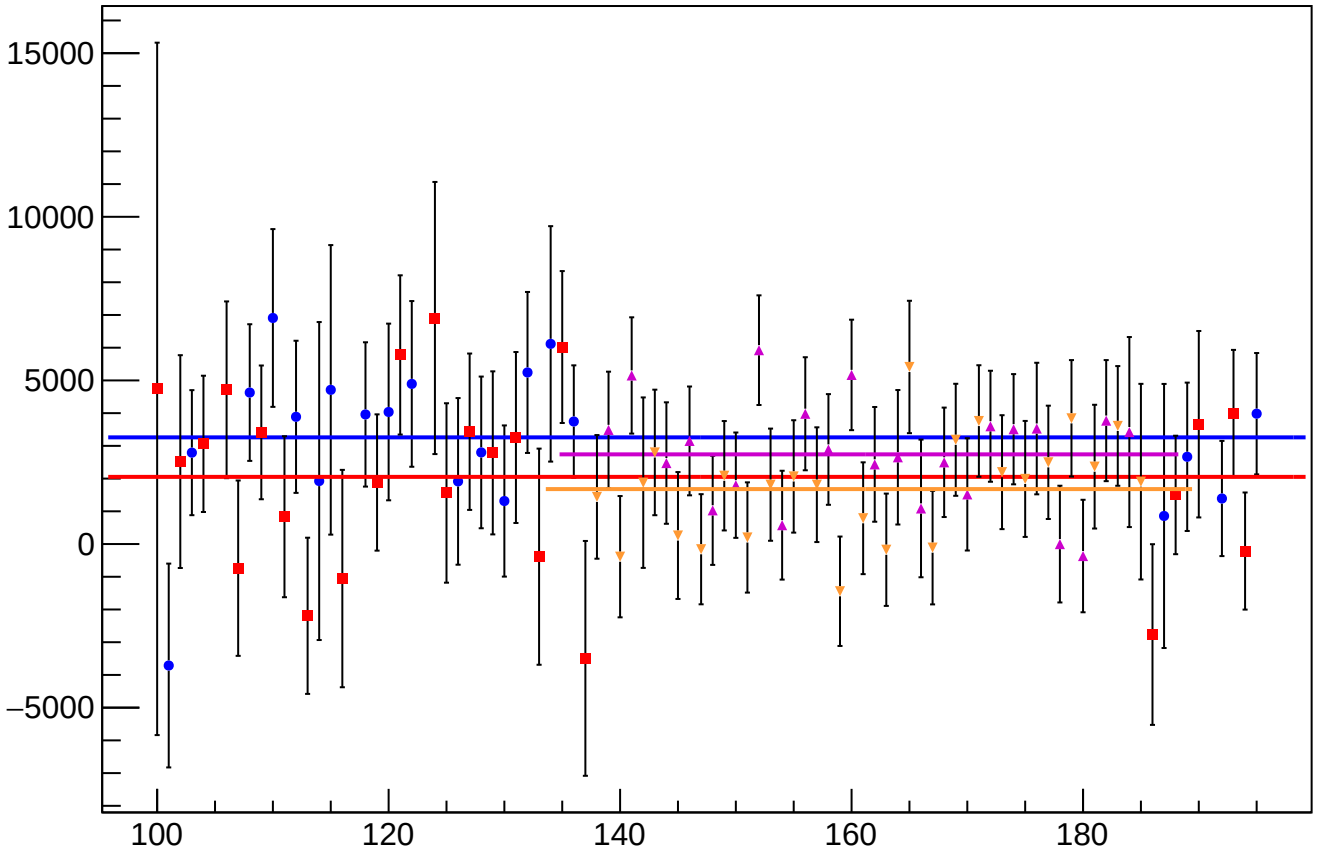
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5231.458+/-0.851 χ^2/NDF: 3302862.5/43

In: 5336.121+/-0.730 χ^2/NDF:2456727.5/42

Out: 5237.328+/-0.695 χ^2/NDF:3032057.7/48

All: 5284.258+/-0.503 χ^2/NDF: 5498397.0/91



Right In: 3259.983+/-534.615 χ^2/NDF: 12.3/19

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 2052.522+/-509.892 χ^2/NDF: 23.4/23

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

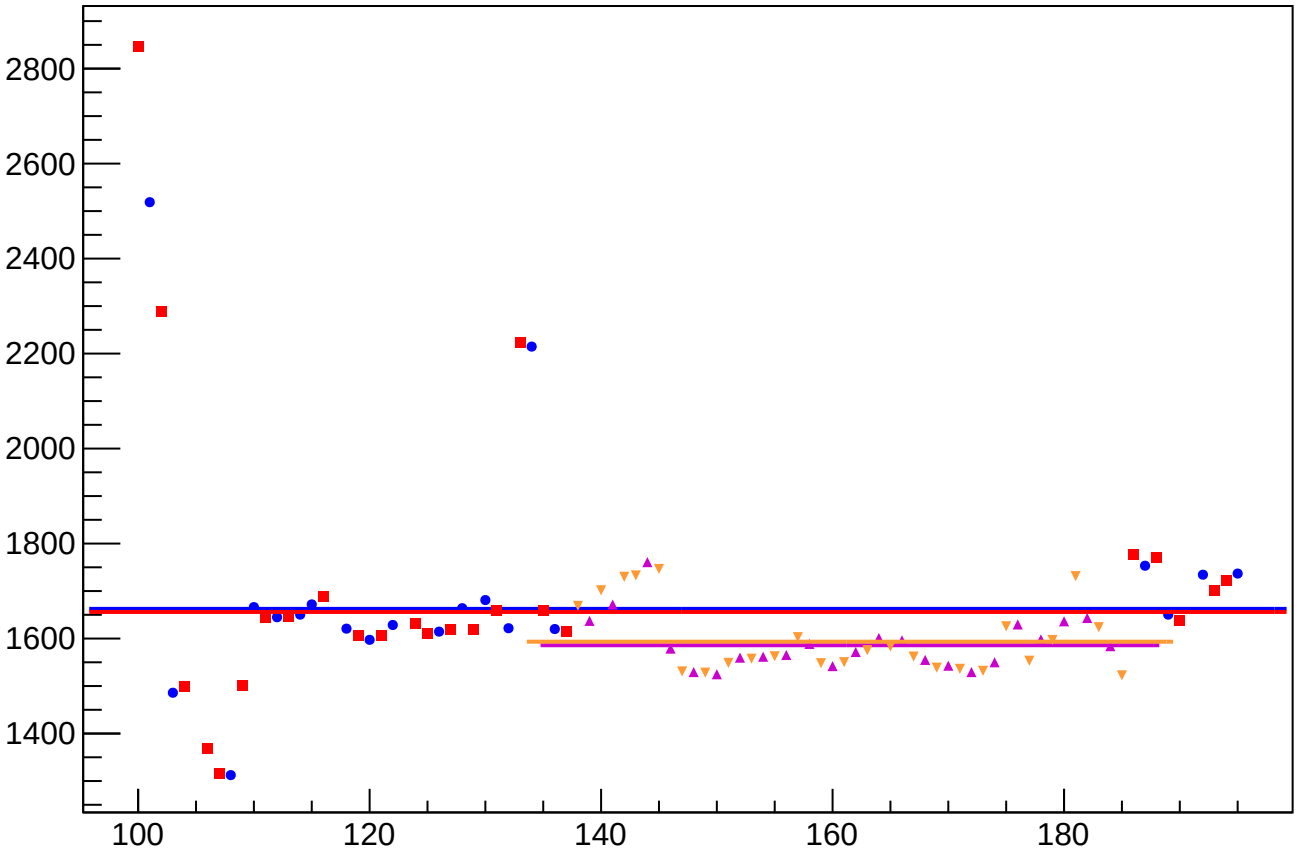
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2627.689+/-368.979 χ^2/NDF: 38.3/43

In: 2909.224+/-304.578 χ^2/NDF:32.1/42

Out: 1804.459+/-295.387 χ^2/NDF:42.7/48

All: 2339.921+/-212.045 χ^2/NDF: 81.6/91



Right In: 1662.480+/-0.378 χ^2/NDF: 284204.2/19

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1656.003+/-0.360 χ^2/NDF: 258021.3/23

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

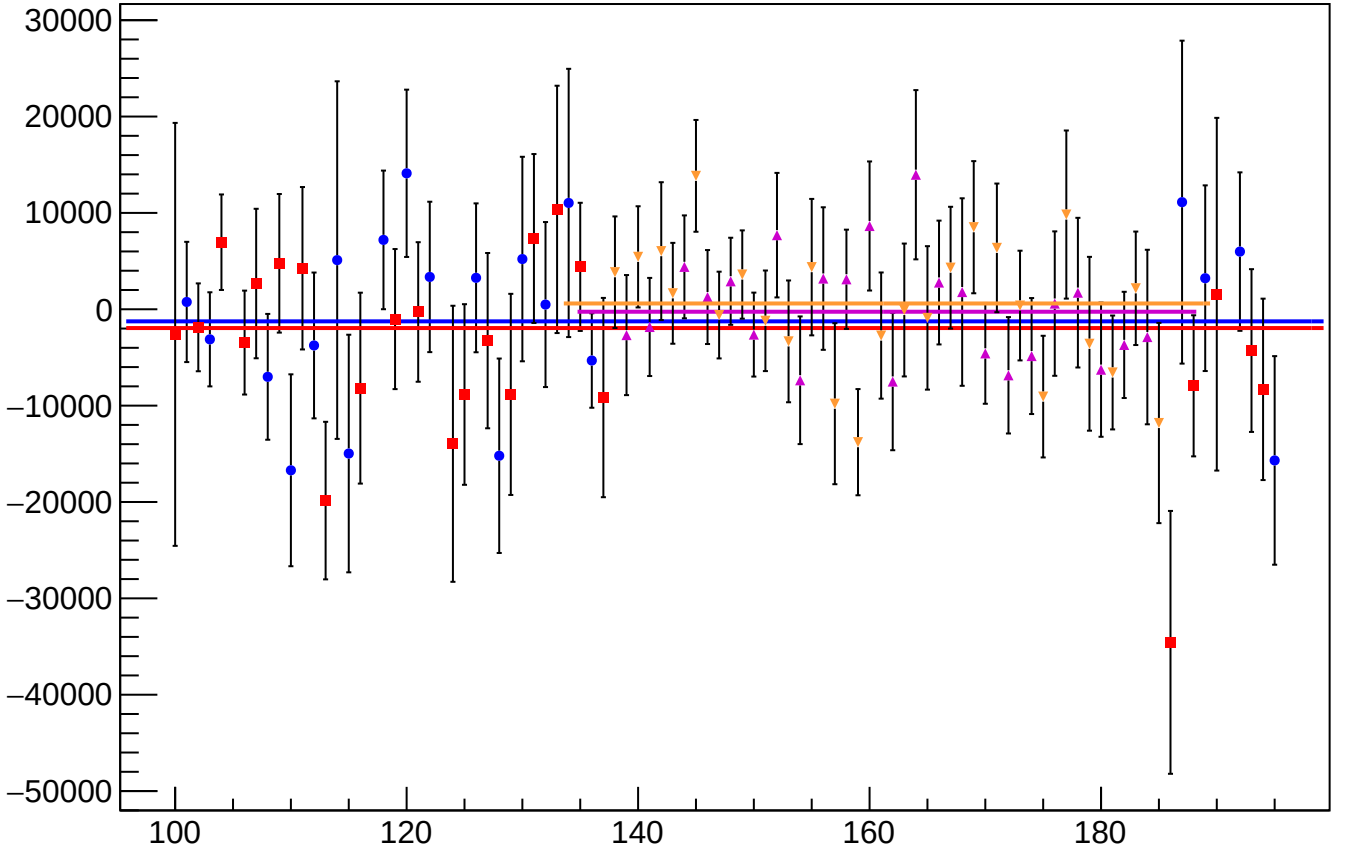
Right: 1659.086+/-0.261 χ^2/NDF: 542379.4/43

In: 1610.769+/-0.215 χ^2/NDF:353823.2/42

Out: 1614.419+/-0.209 χ^2/NDF:349951.7/48

All: 1612.650+/-0.150 χ^2/NDF: 703923.0/91

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1253.239+/-1794.056 χ^2/NDF: 17.2/19

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -1949.735+/-1623.514 χ^2/NDF: 22.4/23

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

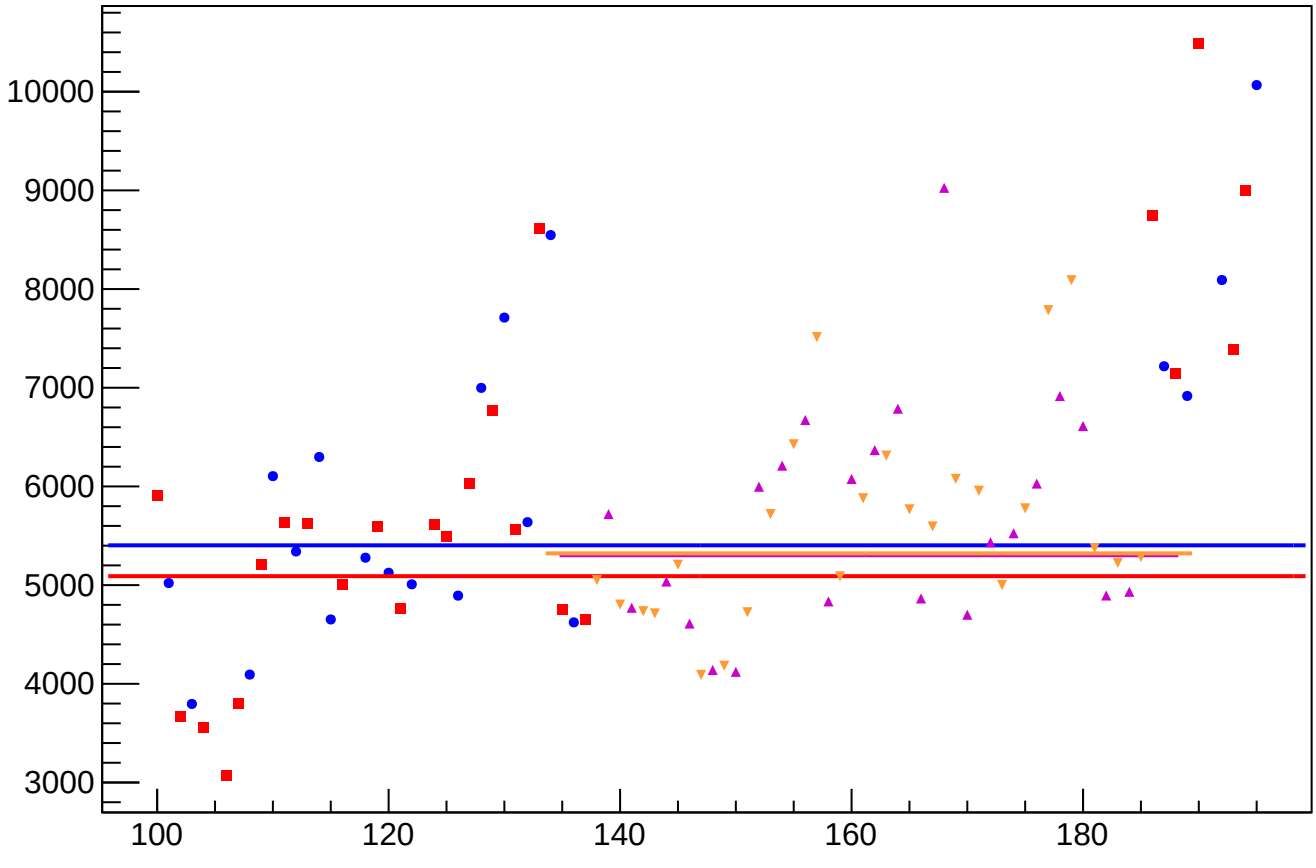
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1636.157+/-1203.786 χ^2/NDF: 39.7/43

In: -586.260+/-1032.536 χ^2/NDF:32.1/42

Out: -332.075+/-982.205 χ^2/NDF:50.0/48

All: -452.822+/-711.652 χ^2/NDF: 82.1/91



Right In: 5403.290+/-1.269 χ^2/NDF: 1300157.6/19

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5090.729+/-1.148 χ^2/NDF: 1969327.5/23

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

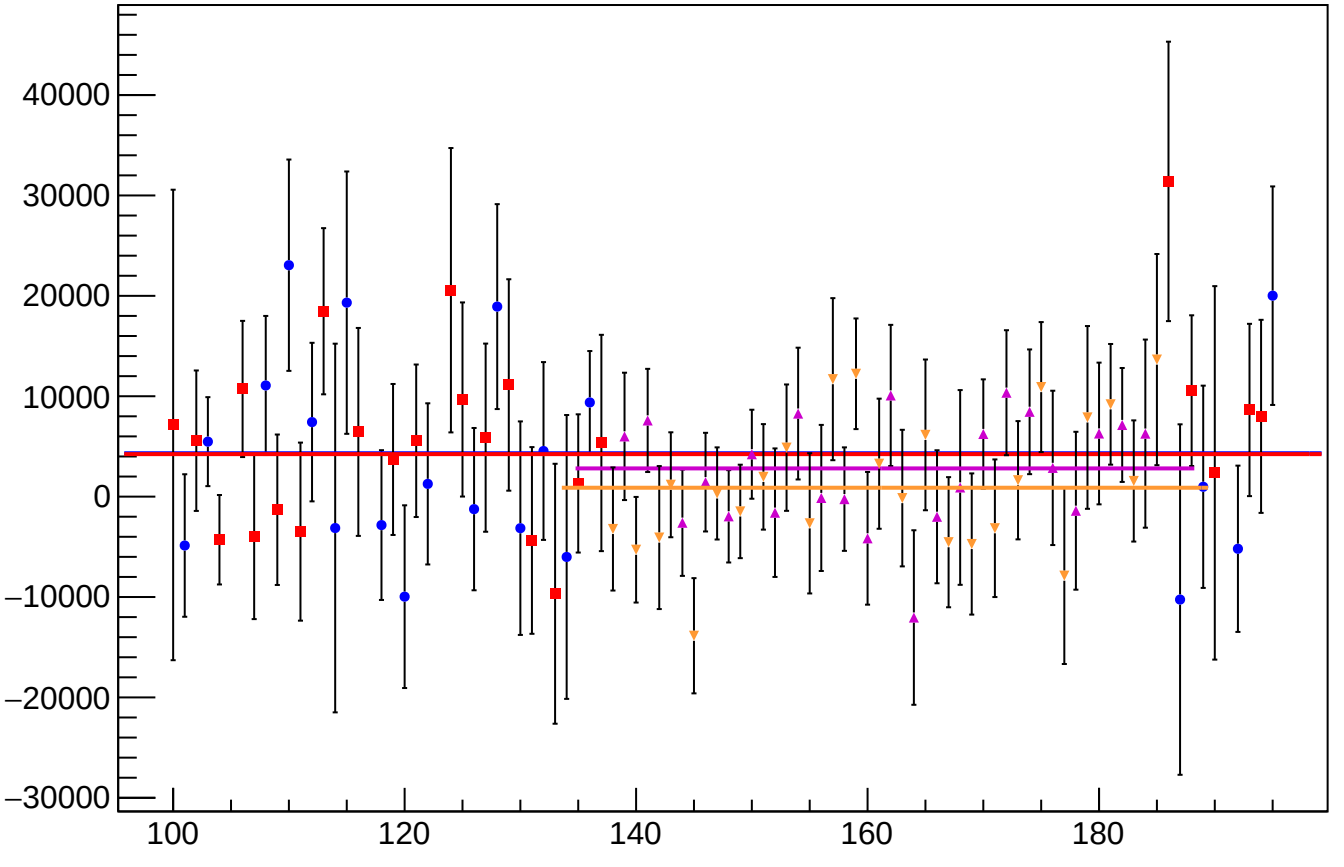
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 5231.451+/-0.851 χ^2/NDF: 3302859.4/43

In: 5336.125+/-0.730 χ^2/NDF:2456729.2/42

Out: 5237.331+/-0.695 χ^2/NDF:3032061.2/48

All: 5284.261+/-0.503 χ^2/NDF: 5498402.4/91



Right In: 4319.747+/-1835.361 χ^2/NDF: 19.8/19

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4232.784+/-1734.795 χ^2/NDF: 19.2/23

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

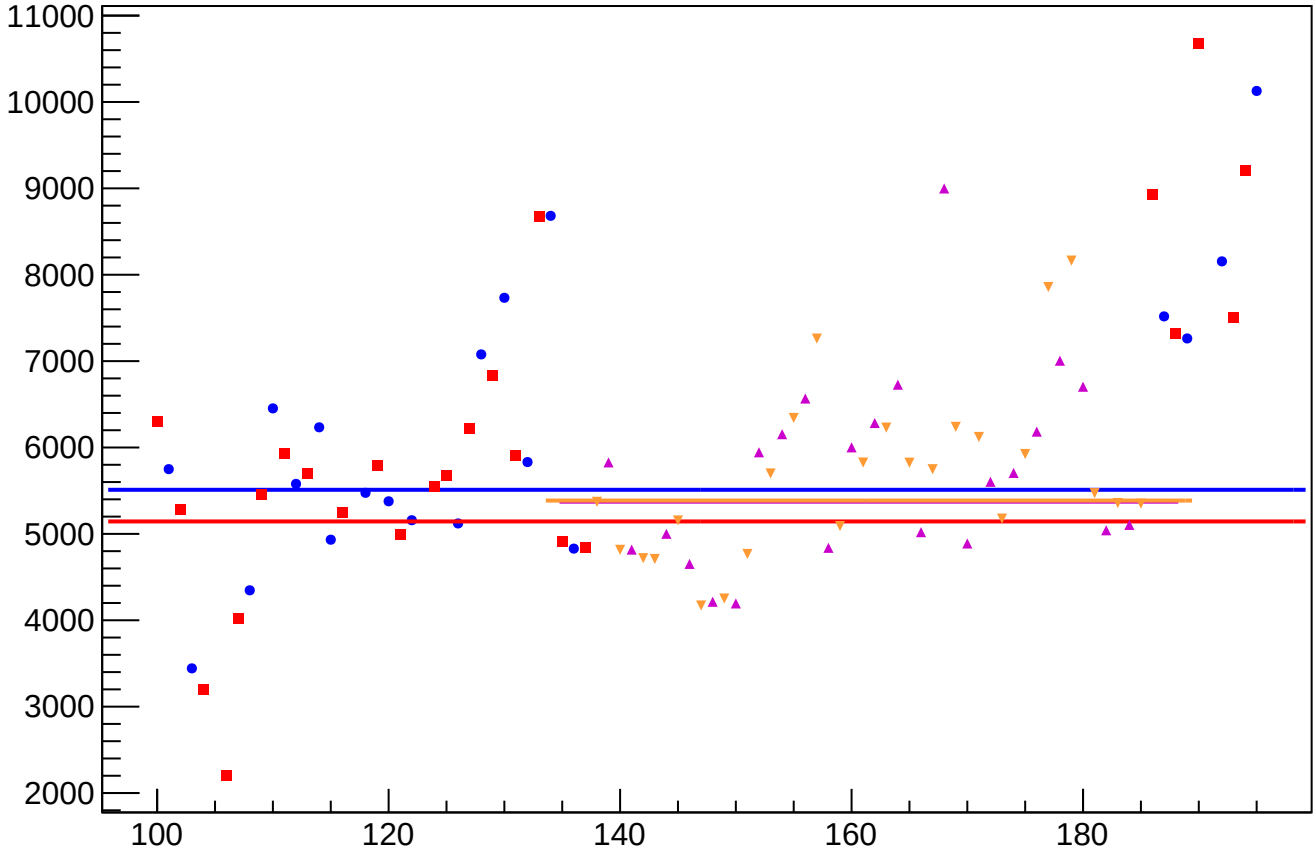
Right: 4273.818+/-1260.739 χ^2/NDF: 39.0/43

In: 3303.058+/-1048.359 χ^2/NDF:34.9/42

Out: 2025.214+/-1012.283 χ^2/NDF:47.3/48

All: 2641.771+/-728.212 χ^2/NDF: 83.0/91

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5510.505+/-1.298 χ^2/NDF: 1449984.5/19

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5144.052+/-1.186 χ^2/NDF: 2493671.7/23

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

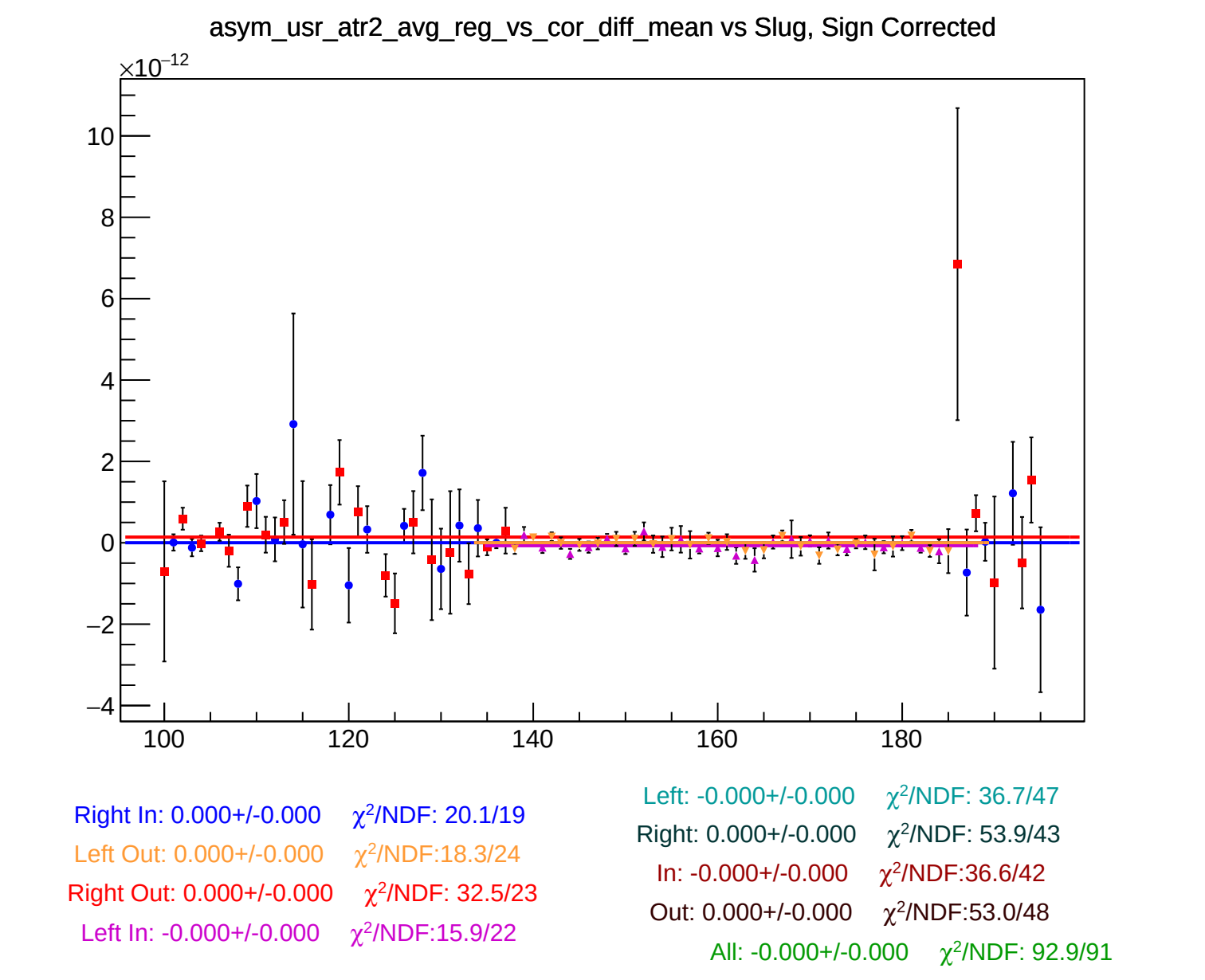
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

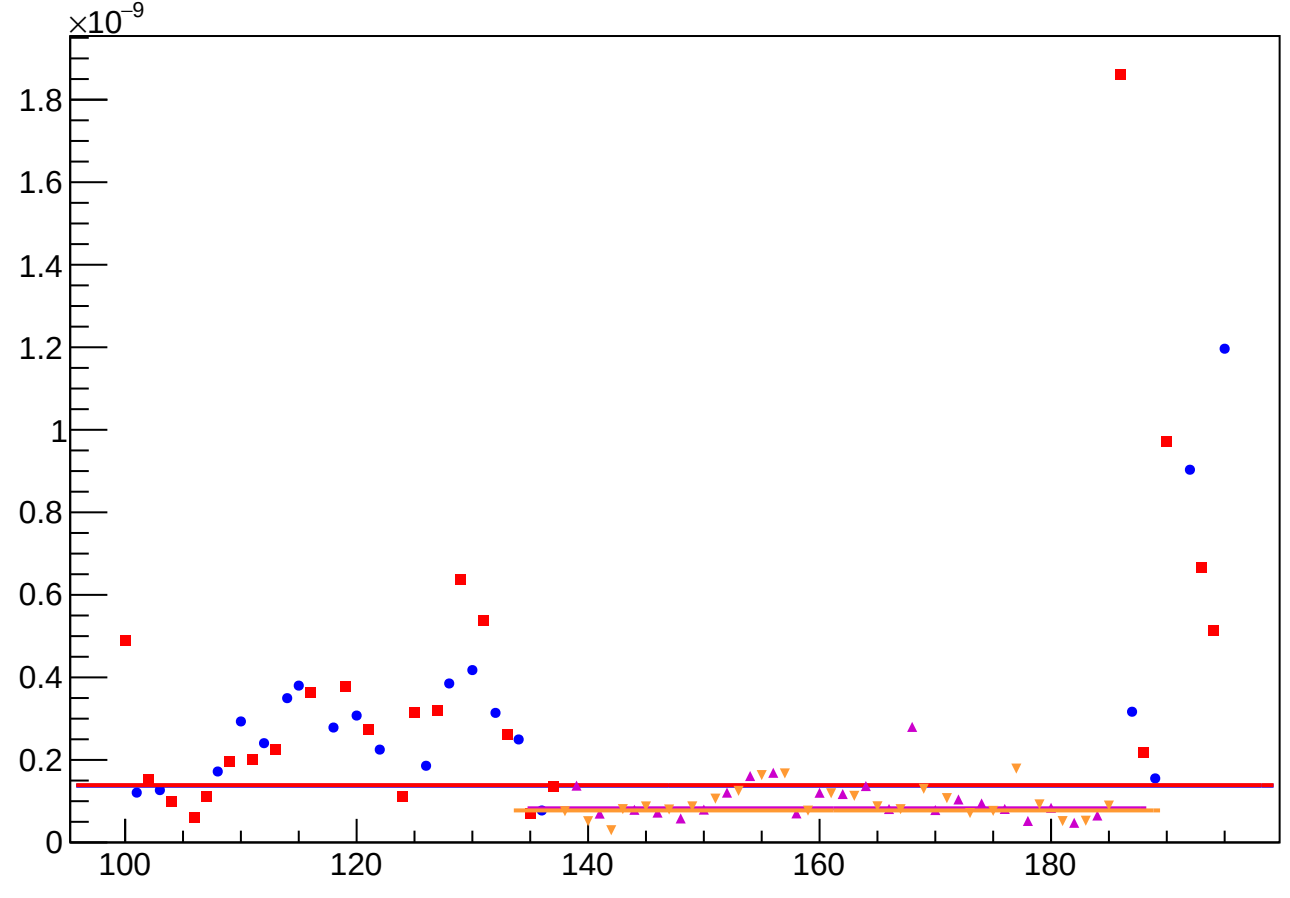
Right: 5310.886+/-0.876 χ^2/NDF: 3987088.1/43

In: 5417.774+/-0.741 χ^2/NDF:2529383.7/42

Out: 5299.733+/-0.708 χ^2/NDF:3507481.2/48

All: 5356.004+/-0.512 χ^2/NDF: 6050133.4/91


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 20.1/19
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/23
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 53.9/43
In: -0.000+/-0.000 χ²/NDF:36.6/42
Out: 0.000+/-0.000 χ²/NDF:53.0/48
All: -0.000+/-0.000 χ²/NDF: 92.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 2682693.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3243910.8/23

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

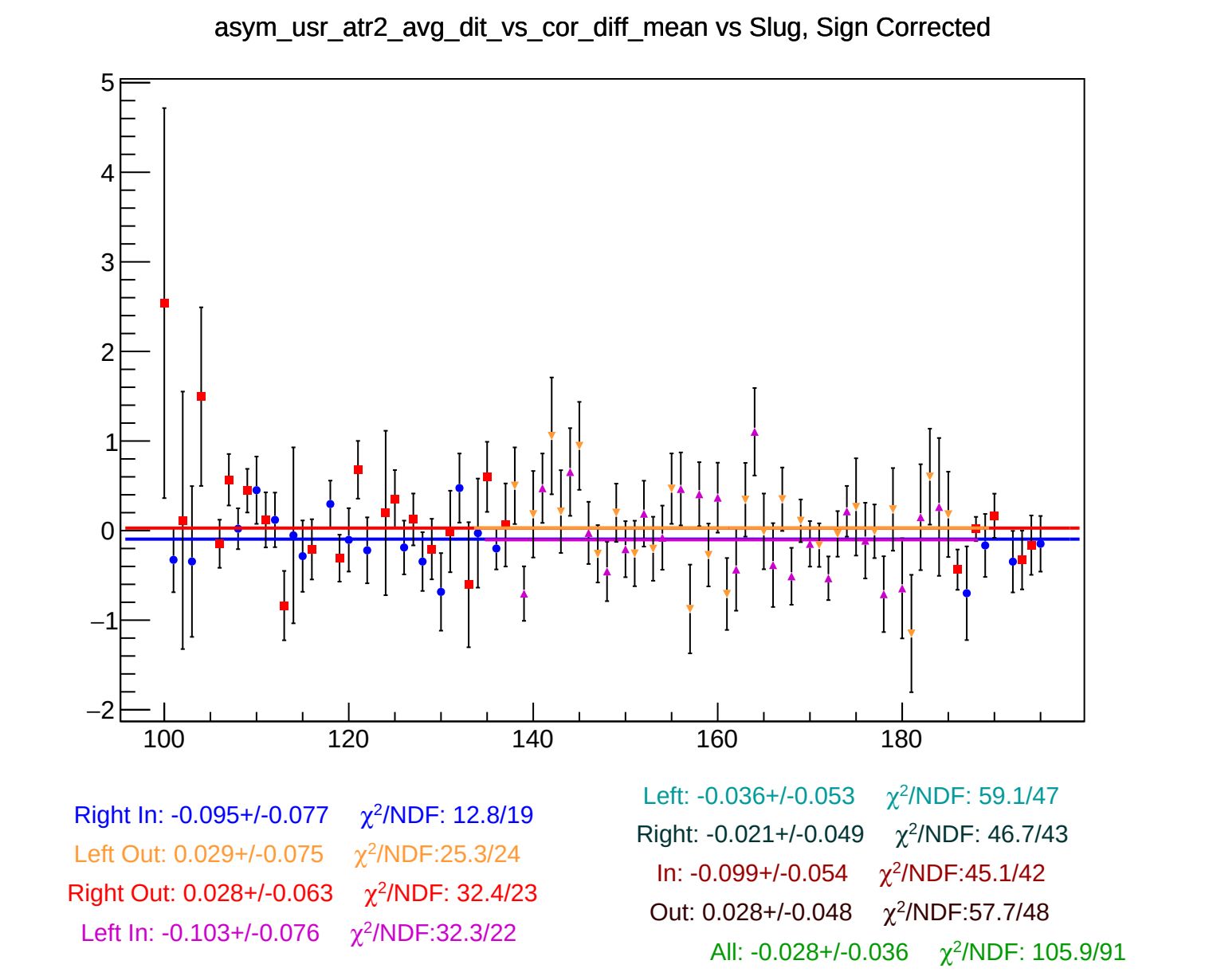
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

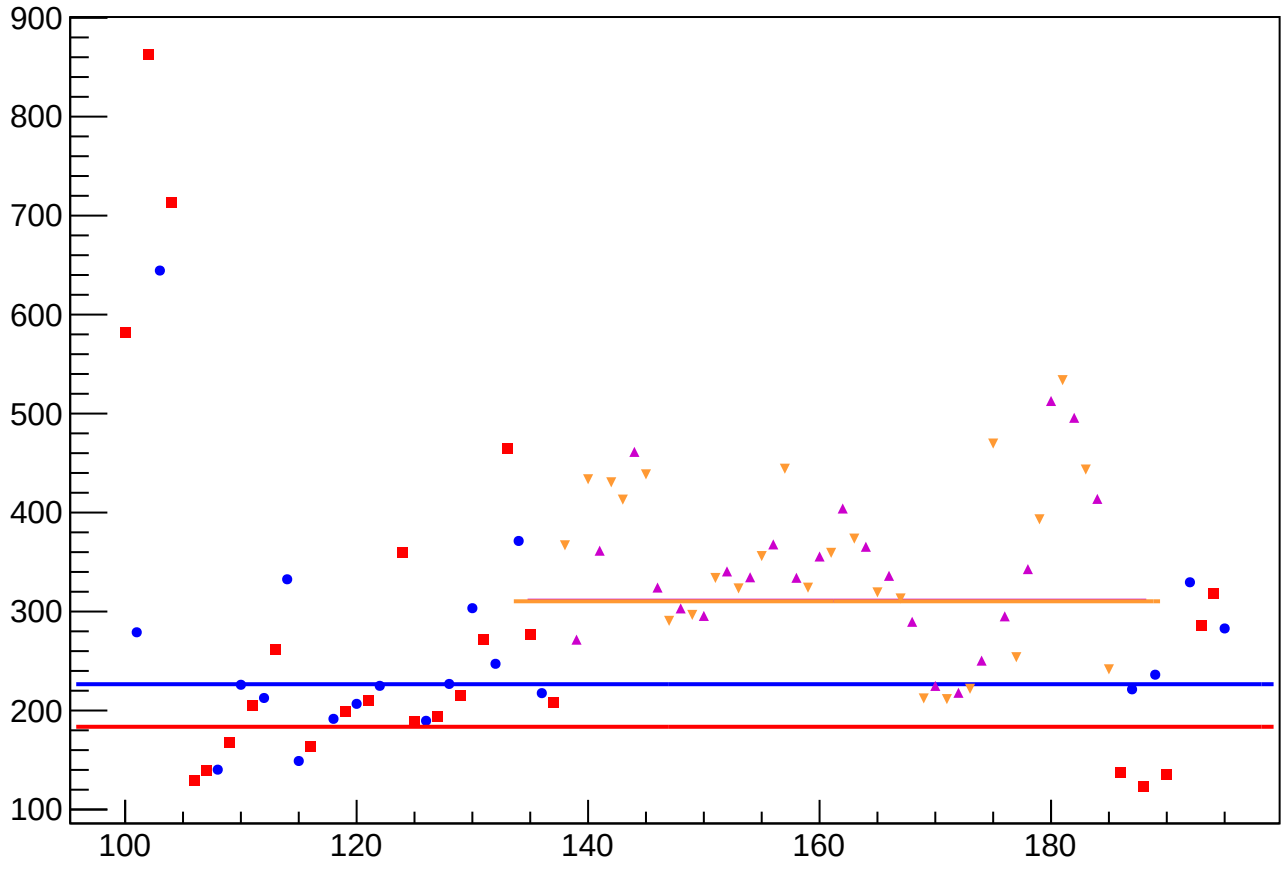
Right: 0.000+/-0.000 χ^2/NDF: 5926845.8/43

In: 0.000+/-0.000 χ^2/NDF:4957212.6/42

Out: 0.000+/-0.000 χ^2/NDF:5758103.5/48

All: 0.000+/-0.000 χ^2/NDF: 10748786.7/91


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: -0.095+/-0.077 χ²/NDF: 12.8/19
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.028+/-0.063 χ²/NDF: 32.4/23
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: -0.021+/-0.049 χ²/NDF: 46.7/43
In: -0.099+/-0.054 χ²/NDF:45.1/42
Out: 0.028+/-0.048 χ²/NDF:57.7/48
All: -0.028+/-0.036 χ²/NDF: 105.9/91



Right In: 226.590+/-0.055 χ^2/NDF: 1429537.9/19

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 183.577+/-0.044 χ^2/NDF: 3031969.7/23

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

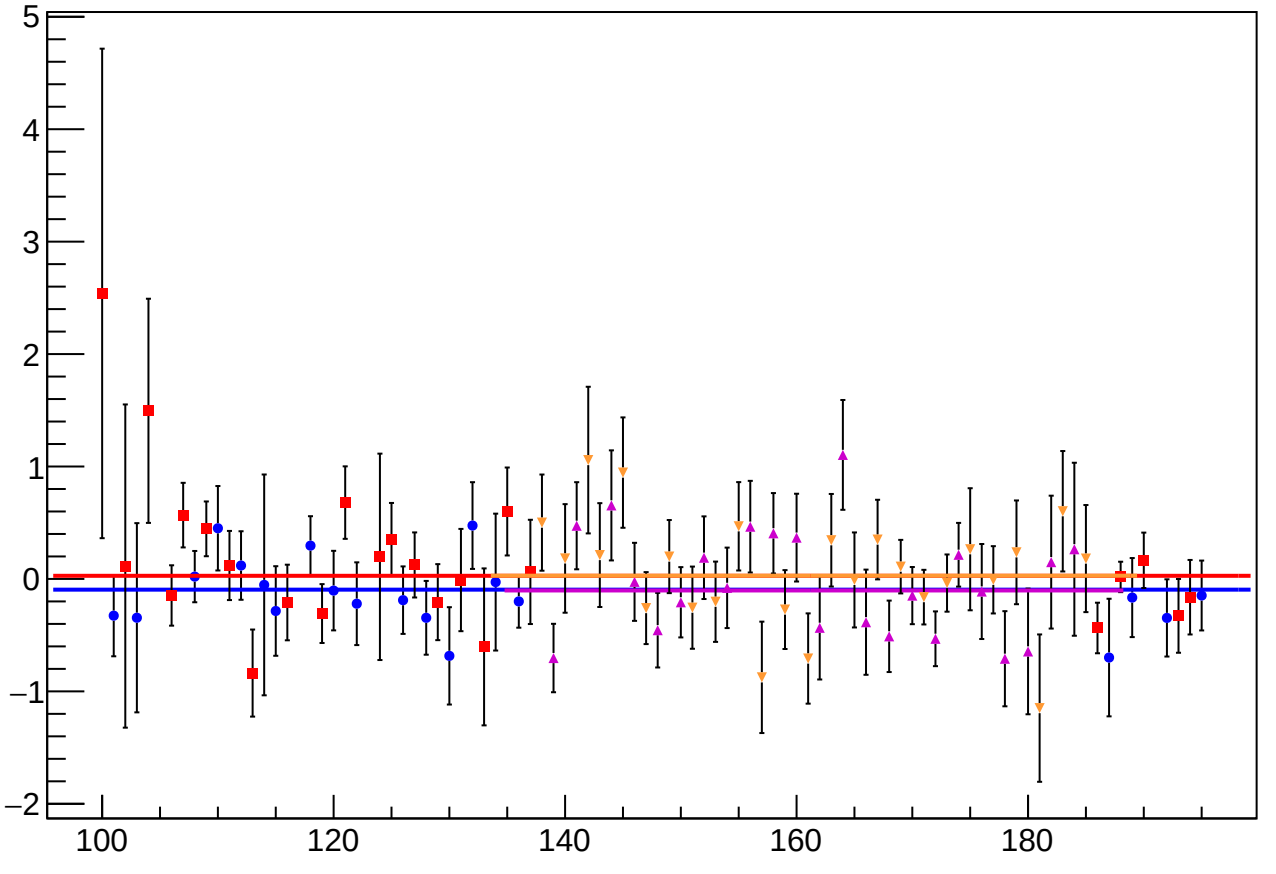
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 200.681+/-0.034 χ^2/NDF: 4834794.9/43

In: 269.335+/-0.038 χ^2/NDF:4237880.3/42

Out: 236.086+/-0.034 χ^2/NDF:8773010.1/48

All: 250.696+/-0.025 χ^2/NDF: 13431622.0/91



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

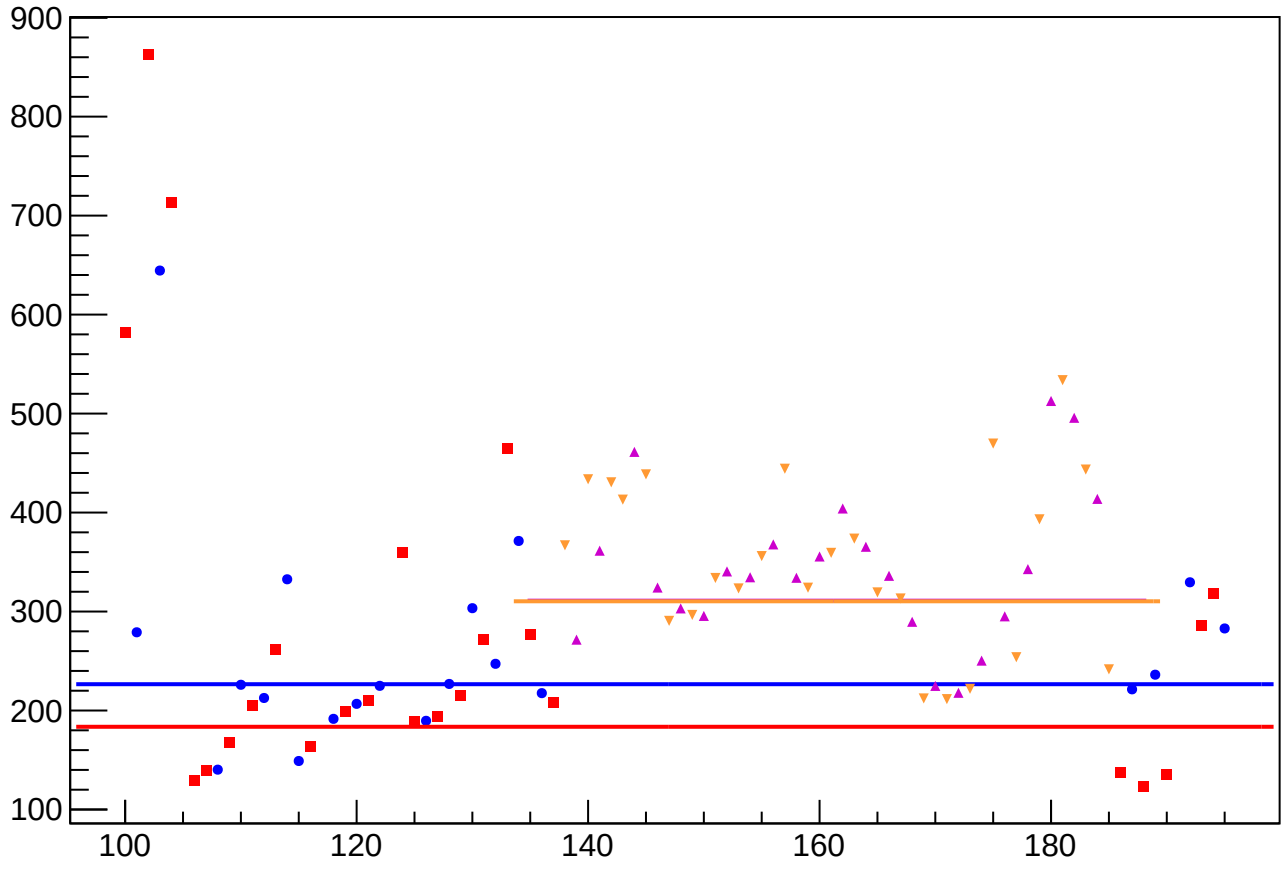
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

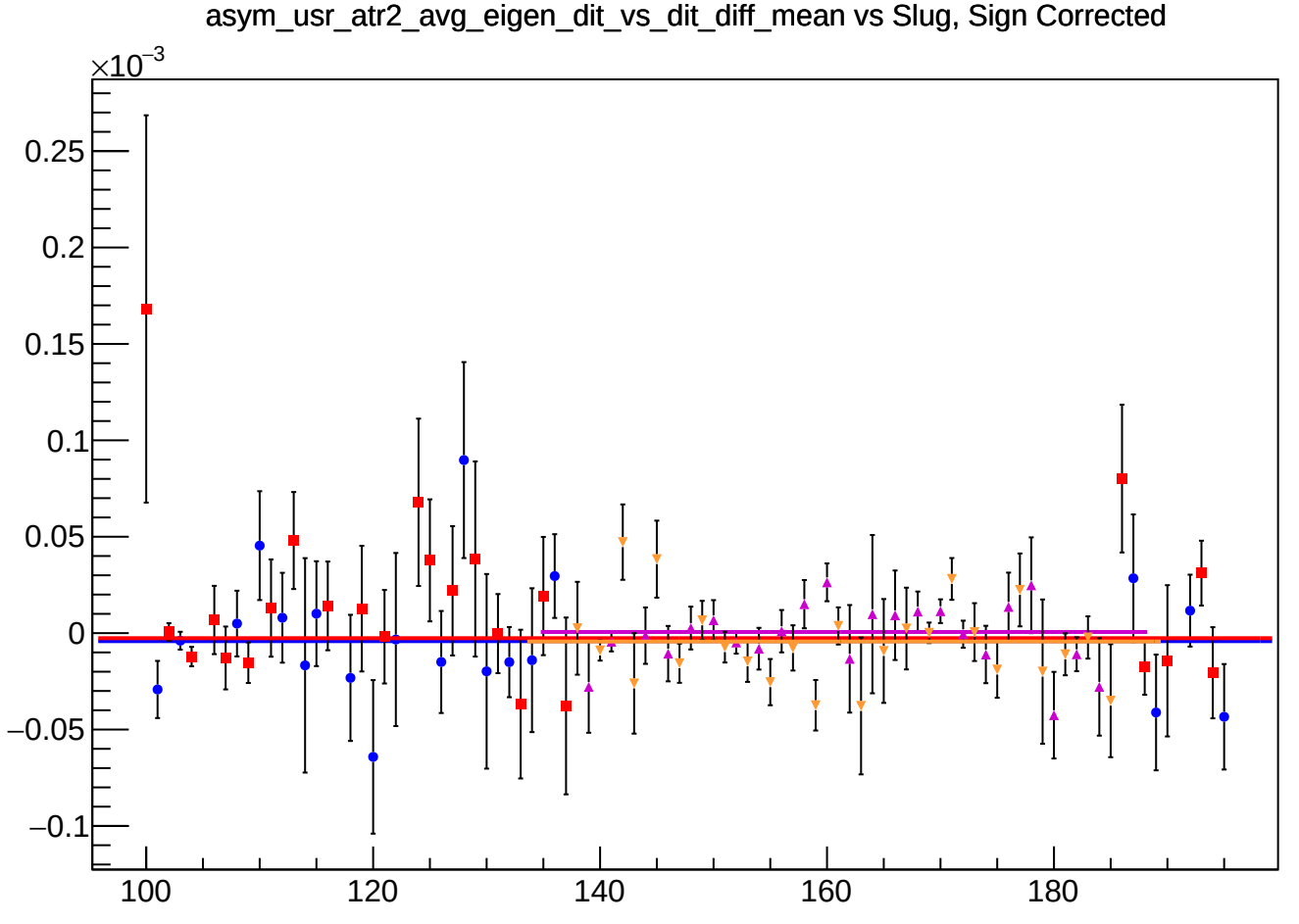
Right: -0.021+/-0.049 χ^2/NDF: 46.7/43

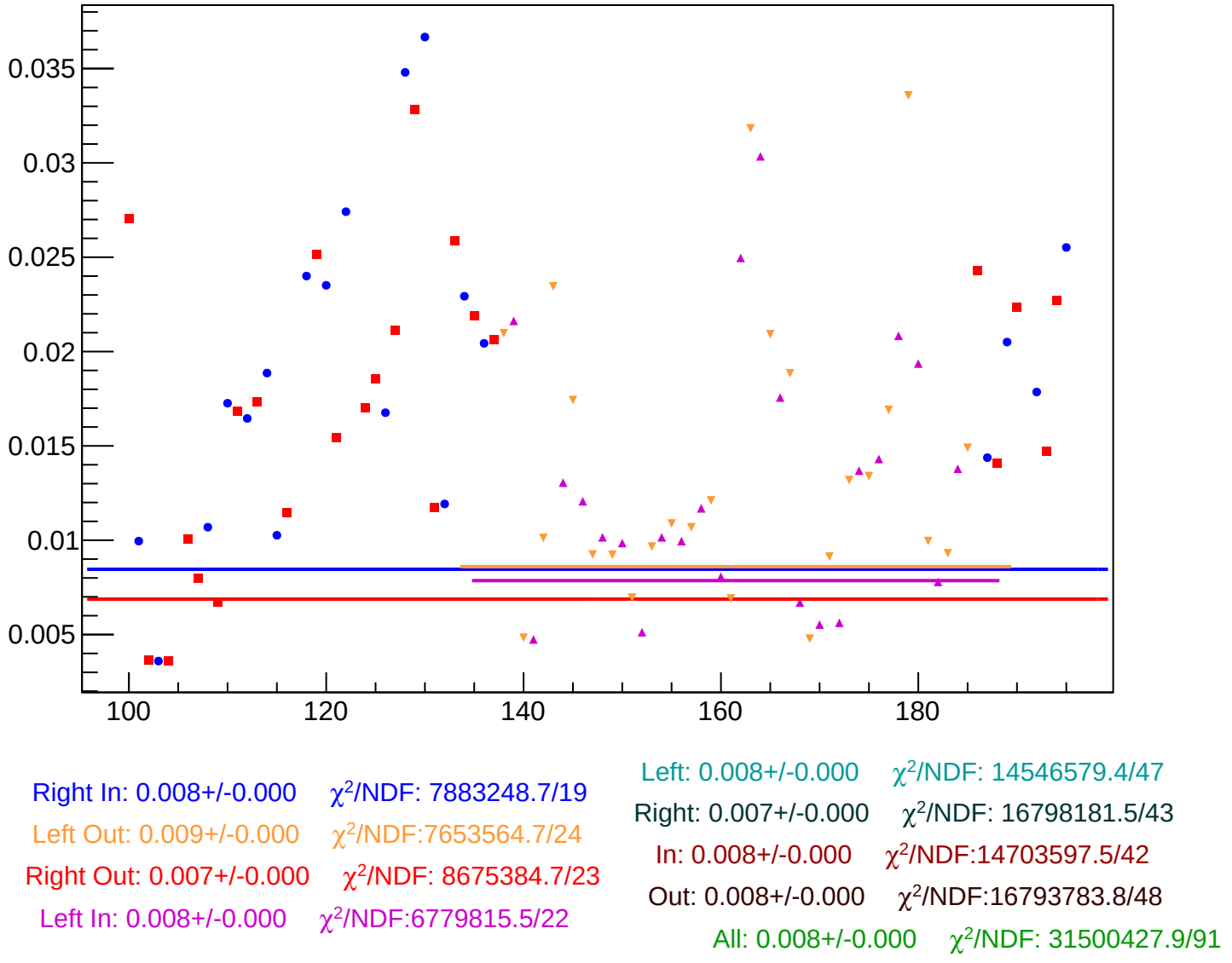
In: -0.099+/-0.054 χ^2/NDF:45.1/42

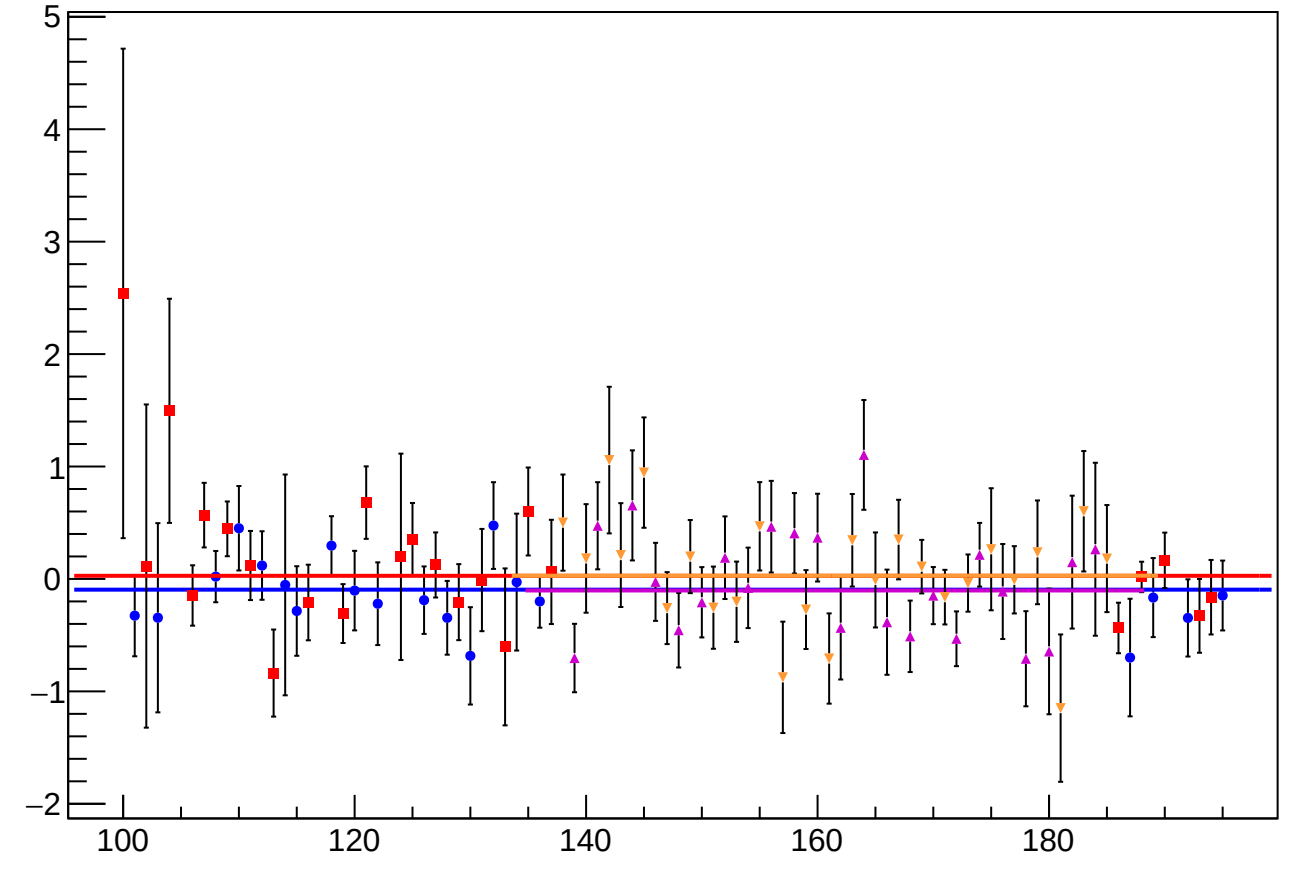
Out: 0.028+/-0.048 χ^2/NDF:57.7/48

All: -0.028+/-0.036 χ^2/NDF: 105.9/91


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
900
800
700
600
500
400
300
200
100
100
120
140
160
180
Right In: 226.590+/-0.055 χ²/NDF: 1429537.9/19
Left Out: 310.359+/-0.053 χ²/NDF:2363086.4/24
Right Out: 183.577+/-0.044 χ²/NDF: 3031969.7/23
Left In: 310.960+/-0.054 χ²/NDF:1600370.0/22
Left: 310.653+/-0.038 χ²/NDF: 3963519.7/47
Right: 200.681+/-0.034 χ²/NDF: 4834794.9/43
In: 269.335+/-0.038 χ²/NDF:4237880.3/42
Out: 236.086+/-0.034 χ²/NDF:8773010.1/48
All: 250.696+/-0.025 χ²/NDF: 13431622.0/91


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 21.2/19
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 32.0/23
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 53.4/43
In: -0.000+/-0.000 χ²/NDF:49.0/42
Out: -0.000+/-0.000 χ²/NDF:74.6/48
All: -0.000+/-0.000 χ²/NDF: 125.0/91


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.008+/-0.000 χ²/NDF: 7883248.7/19
Left Out: 0.009+/-0.000 χ²/NDF:7653564.7/24
Right Out: 0.007+/-0.000 χ²/NDF: 8675384.7/23
Left In: 0.008+/-0.000 χ²/NDF:6779815.5/22
Left: 0.008+/-0.000 χ²/NDF: 14546579.4/47
Right: 0.007+/-0.000 χ²/NDF: 16798181.5/43
In: 0.008+/-0.000 χ²/NDF:14703597.5/42
Out: 0.008+/-0.000 χ²/NDF:16793783.8/48
All: 0.008+/-0.000 χ²/NDF: 31500427.9/91



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

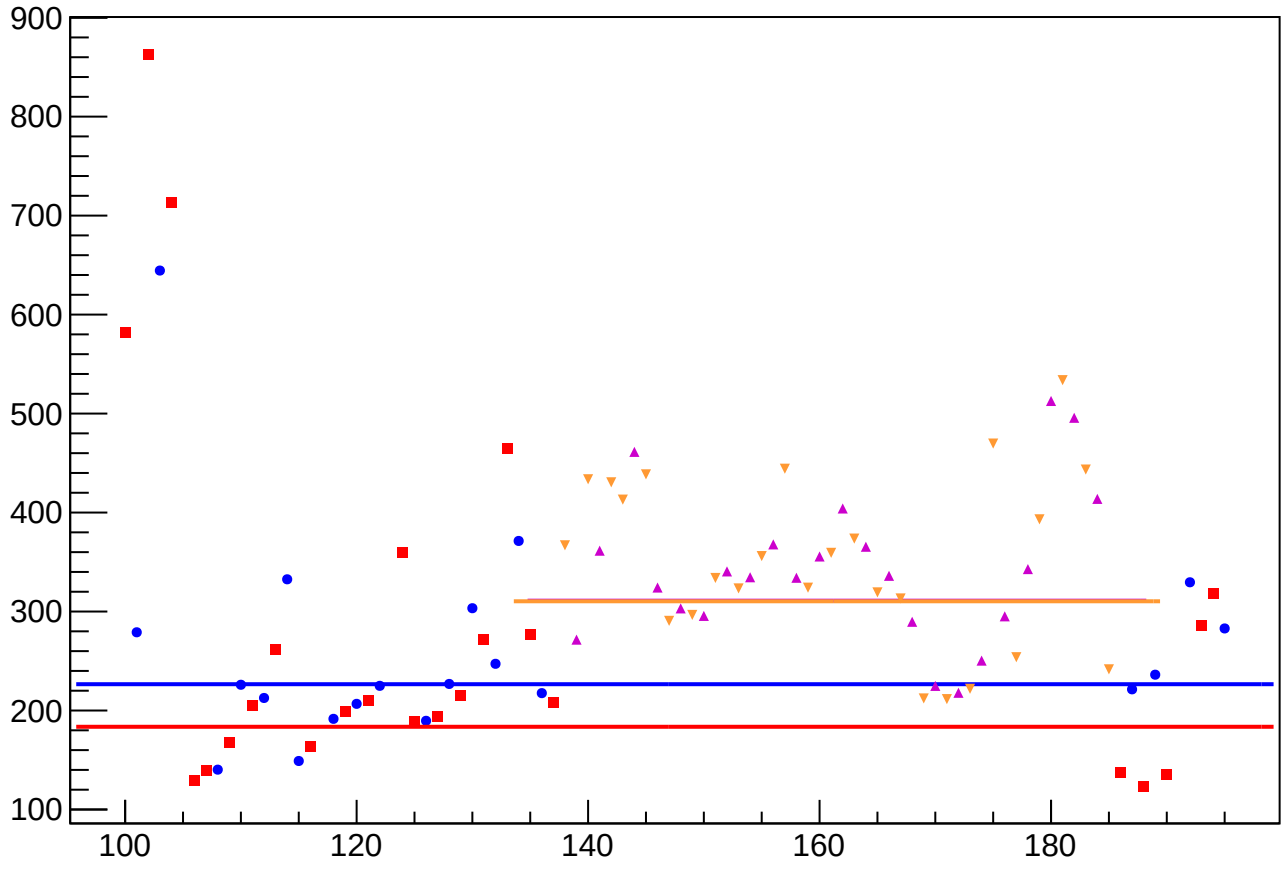
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.021+/-0.049 χ^2/NDF: 46.7/43

In: -0.099+/-0.054 χ^2/NDF:45.1/42

Out: 0.028+/-0.048 χ^2/NDF:57.7/48

All: -0.028+/-0.036 χ^2/NDF: 105.9/91



Right In: 226.589+/-0.055 χ^2/NDF: 1429510.3/19

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 183.575+/-0.044 χ^2/NDF: 3032046.5/23

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

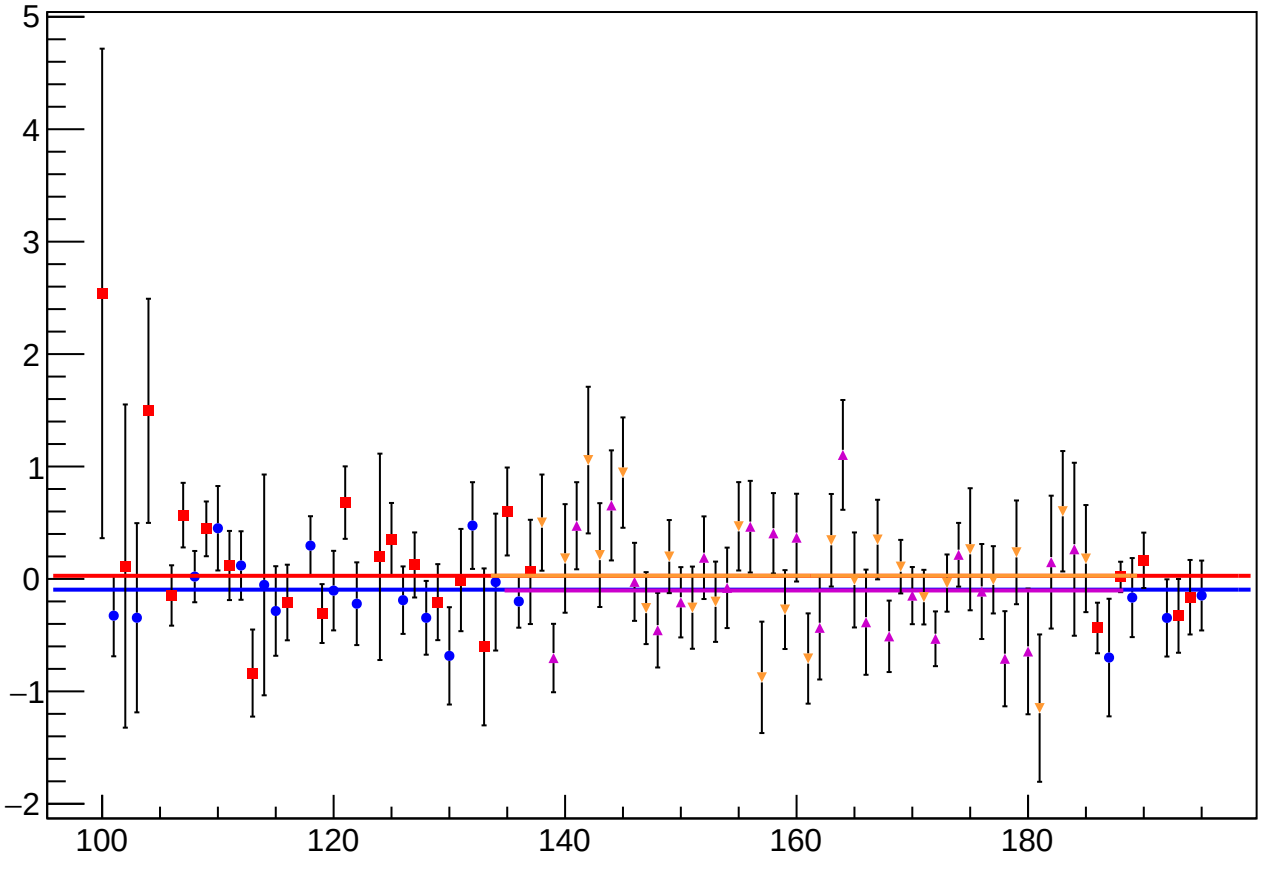
Right: 200.679+/-0.034 χ^2/NDF: 4834880.0/43

In: 269.335+/-0.038 χ^2/NDF:4238006.0/42

Out: 236.085+/-0.034 χ^2/NDF:8773462.5/48

All: 250.695+/-0.025 χ^2/NDF: 13432255.4/91

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.077 χ^2/NDF: 12.8/19

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

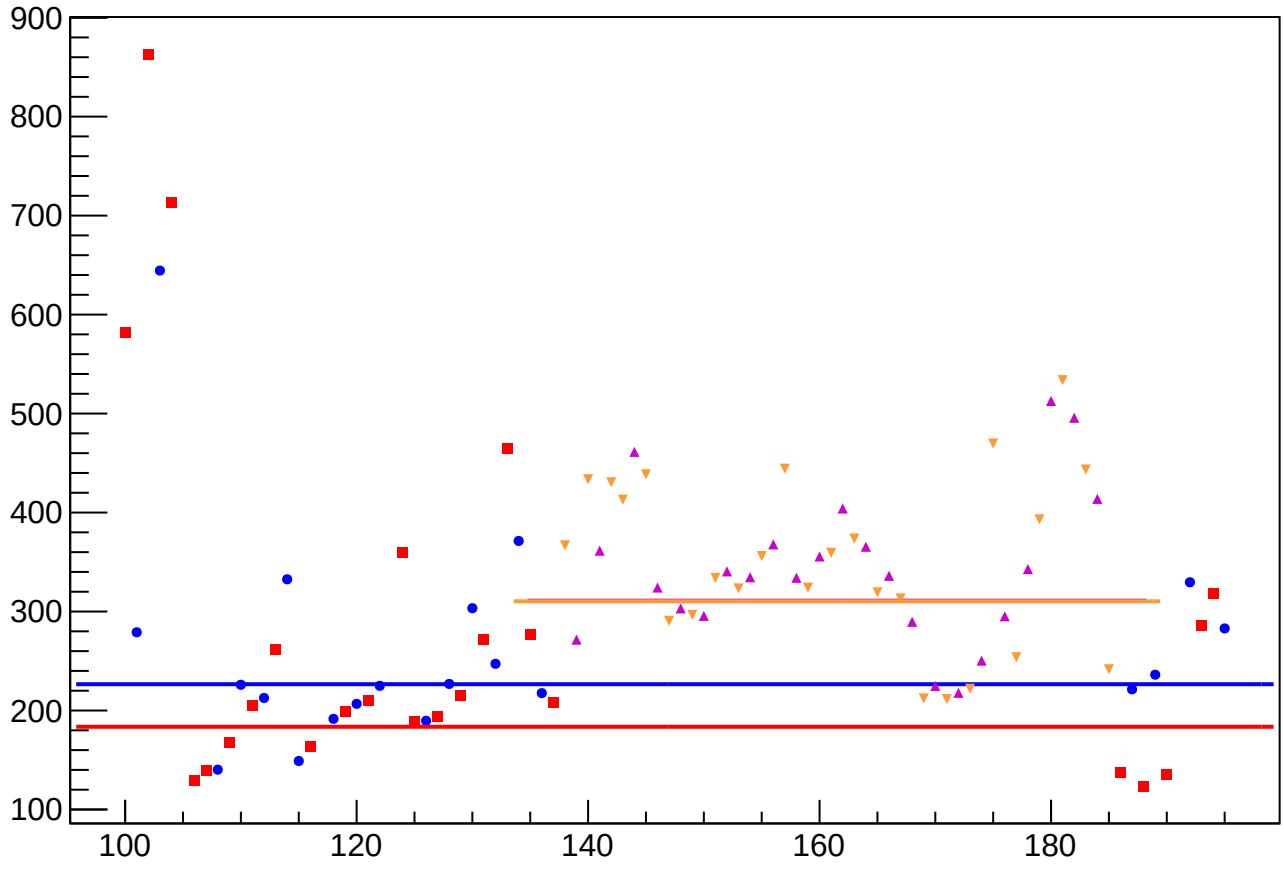
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.021+/-0.049 χ^2/NDF: 46.7/43

In: -0.099+/-0.054 χ^2/NDF:45.1/42

Out: 0.028+/-0.048 χ^2/NDF:57.7/48

All: -0.028+/-0.036 χ^2/NDF: 105.9/91



Right In: 226.589+/-0.055 χ^2/NDF: 1429510.3/19

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 183.575+/-0.044 χ^2/NDF: 3032046.5/23

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

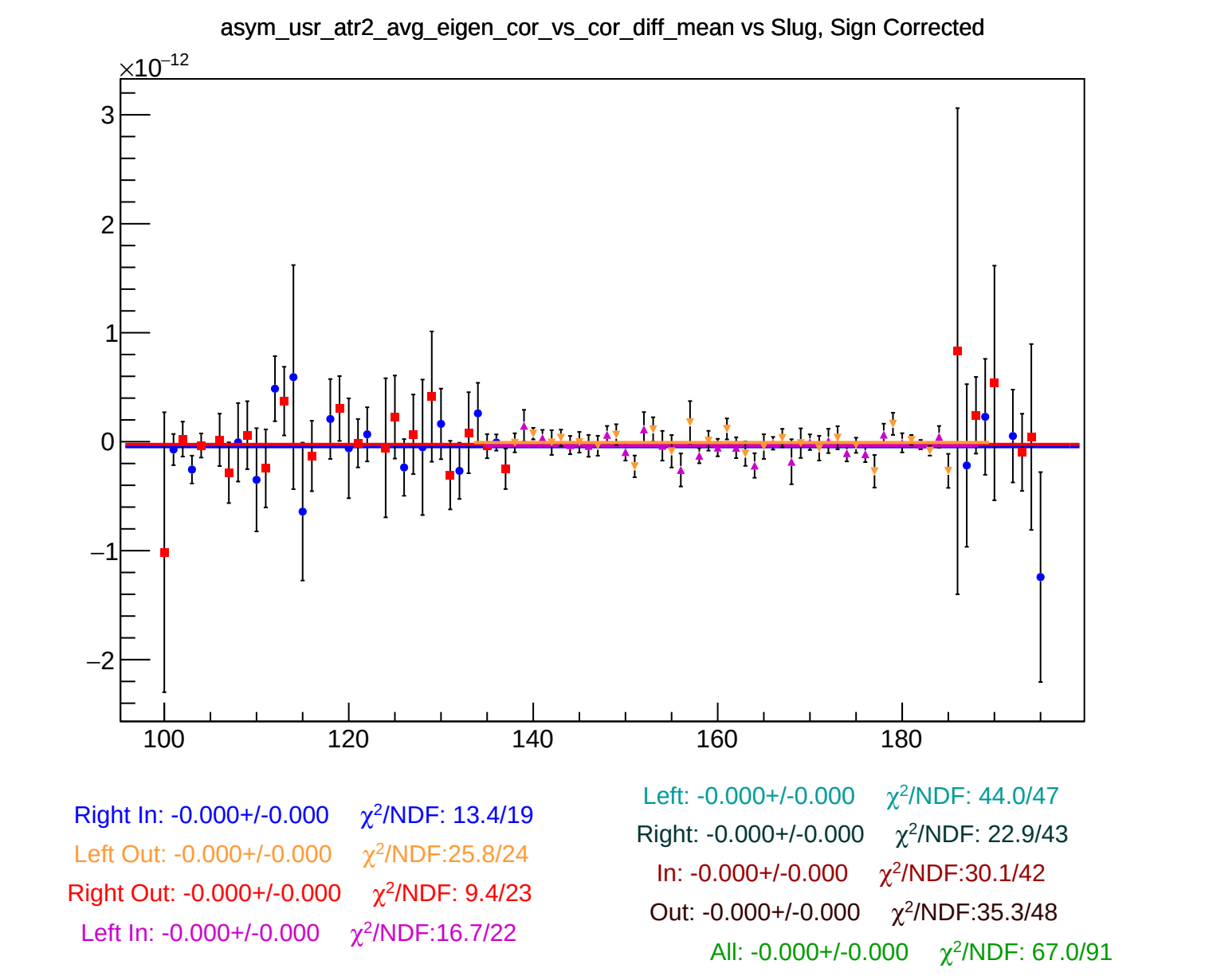
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 200.679+/-0.034 χ^2/NDF: 4834880.0/43

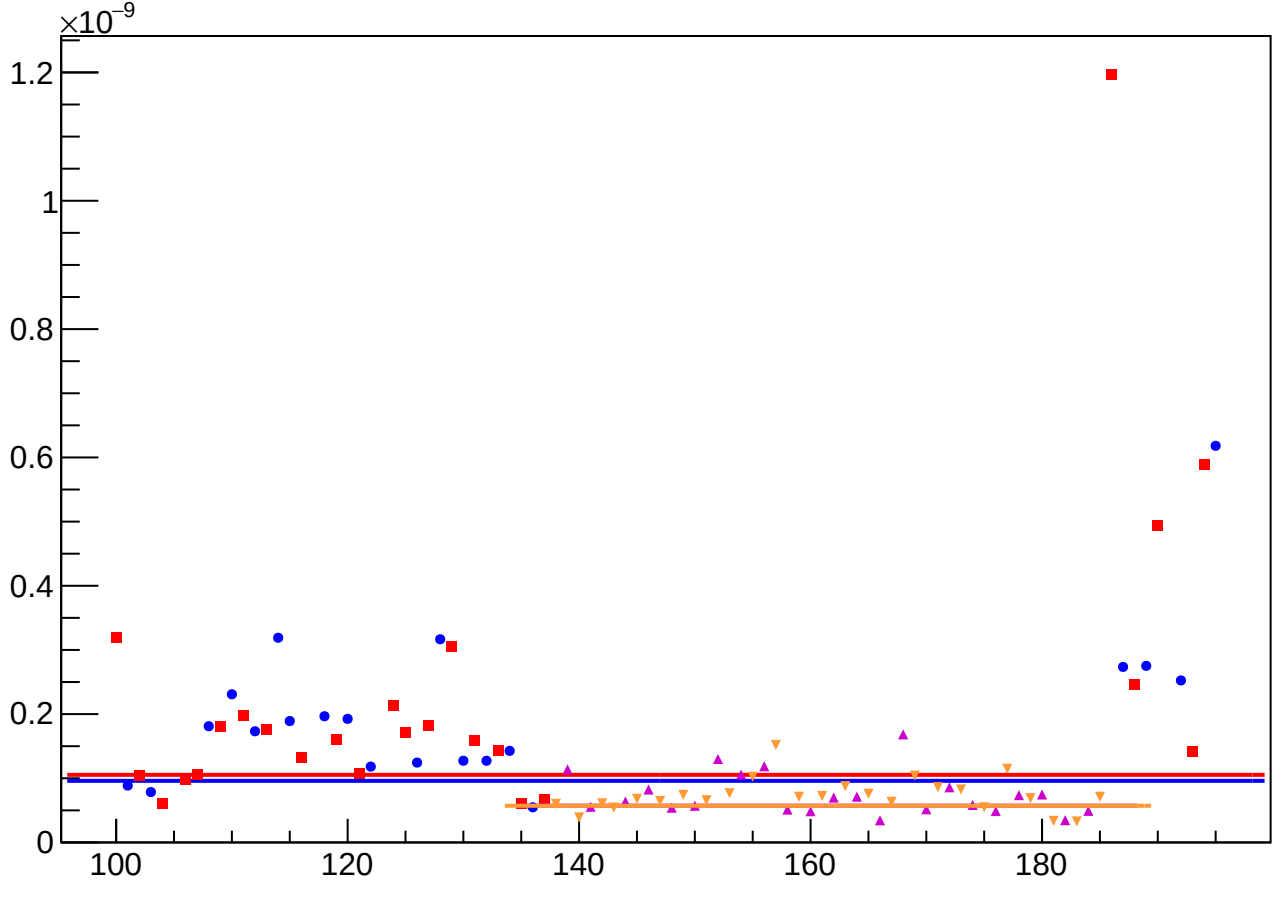
In: 269.335+/-0.038 χ^2/NDF:4238006.0/42

Out: 236.085+/-0.034 χ^2/NDF:8773462.5/48

All: 250.695+/-0.025 χ^2/NDF: 13432255.4/91


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
Right In: -0.000+/-0.000 χ²/NDF: 13.4/19
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 9.4/23
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: 22.9/43
In: -0.000+/-0.000 χ²/NDF:30.1/42
Out: -0.000+/-0.000 χ²/NDF:35.3/48
All: -0.000+/-0.000 χ²/NDF: 67.0/91

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3033763.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3458054.1/23

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

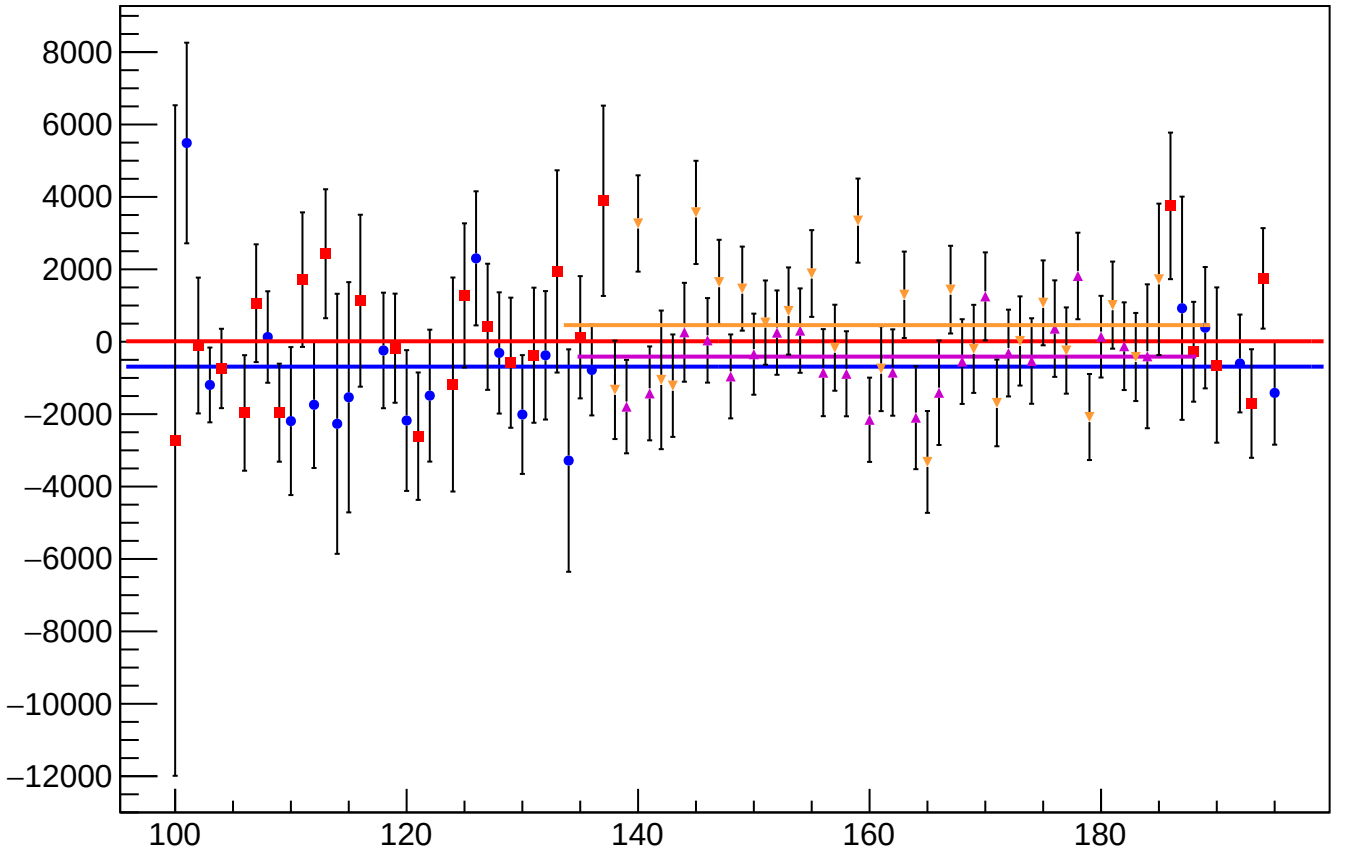
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6526693.2/43

In: 0.000+/-0.000 χ^2/NDF:7428890.5/42

Out: 0.000+/-0.000 χ^2/NDF:8412034.1/48

All: 0.000+/-0.000 χ^2/NDF: 15841501.4/91



Right In: -687.927+/-378.685 χ^2/NDF: 12.7/19

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 12.684+/-356.722 χ^2/NDF: 19.6/23

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

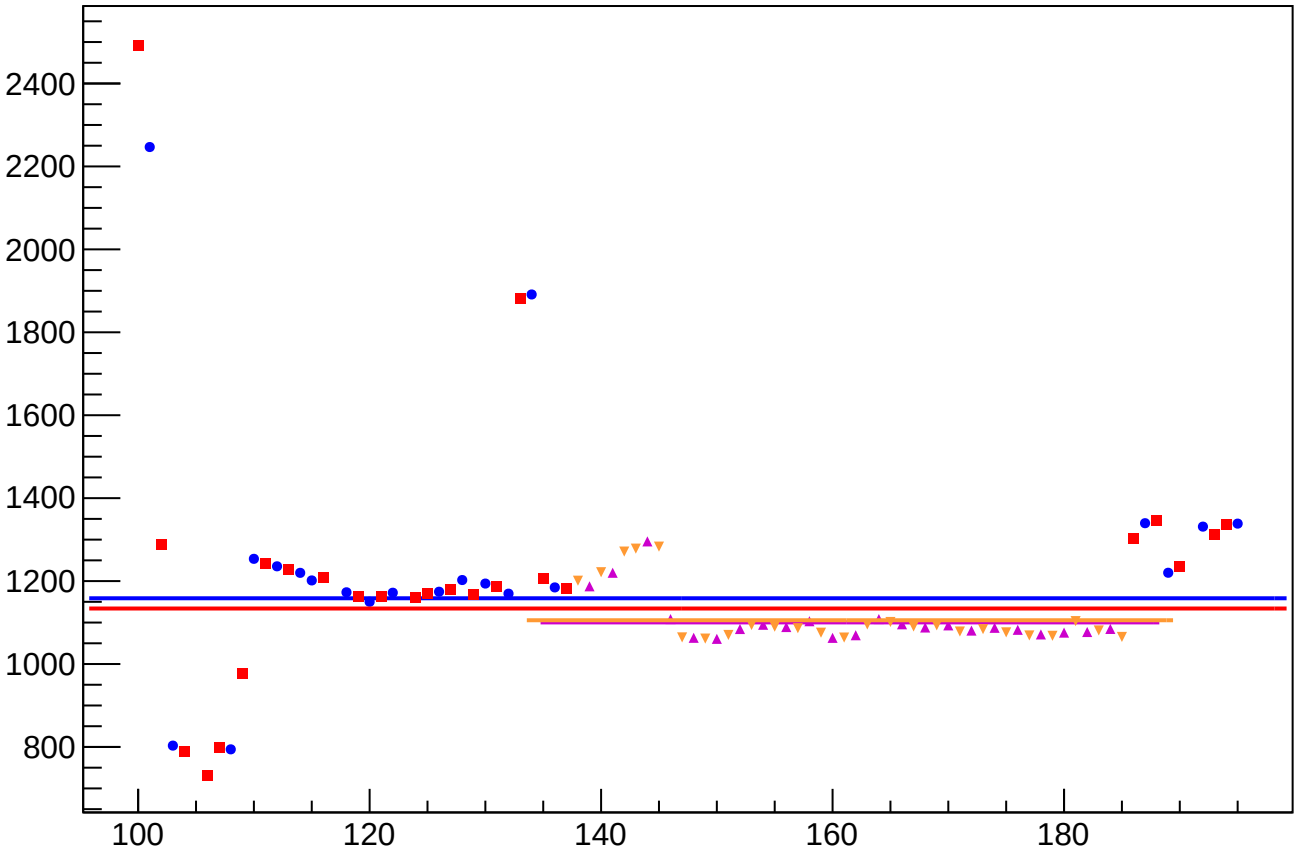
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -316.716+/-259.658 χ^2/NDF: 34.1/43

In: -498.600+/-212.766 χ^2/NDF:26.7/42

Out: 310.636+/-205.571 χ^2/NDF:62.8/48

All: -80.068+/-147.839 χ^2/NDF: 96.9/91



Right In: 1158.557+/-0.268 χ^2/NDF: 912180.6/19

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1133.870+/-0.251 χ^2/NDF: 828577.5/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

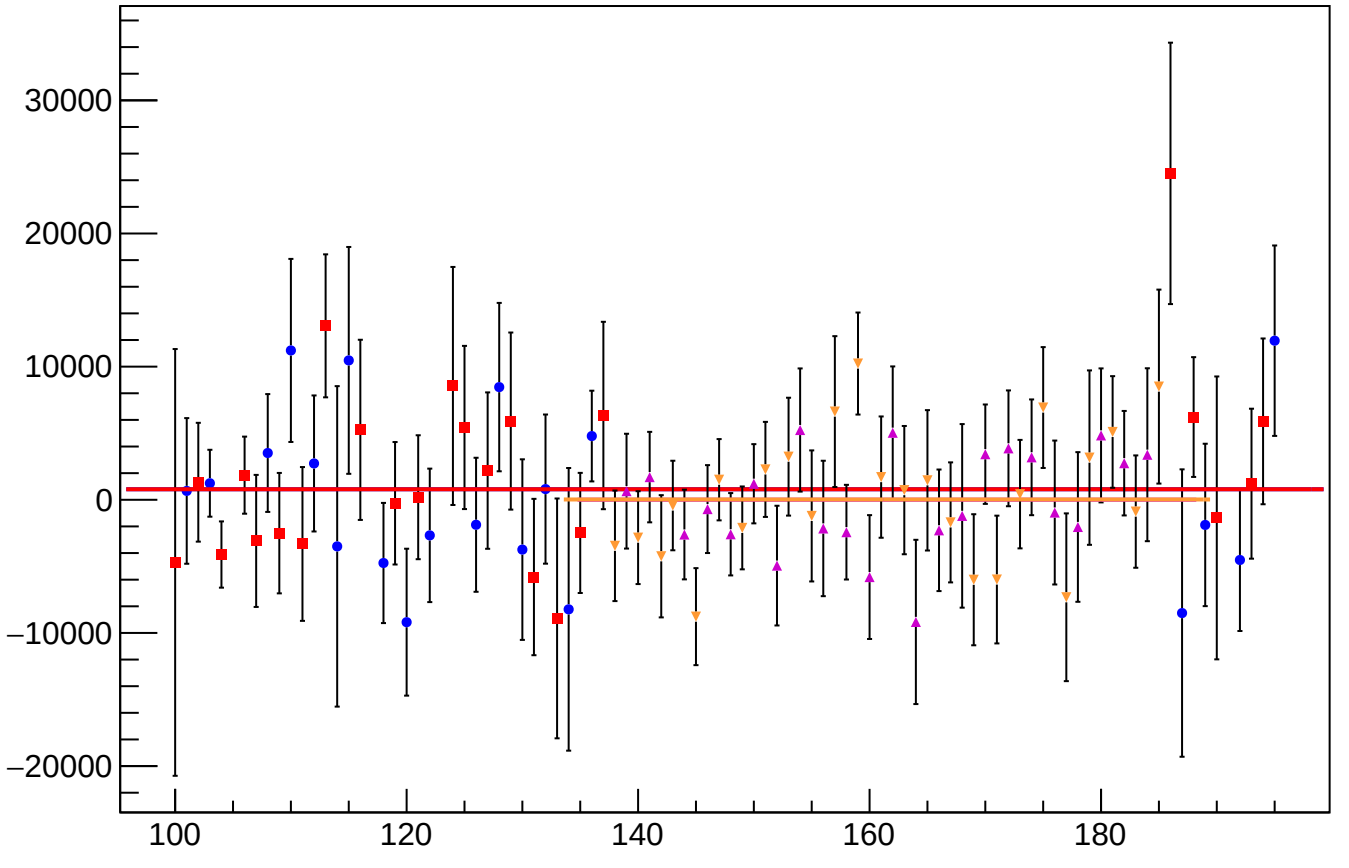
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1145.400+/-0.183 χ^2/NDF: 1745288.3/43

In: 1118.725+/-0.150 χ^2/NDF:1024757.3/42

Out: 1115.033+/-0.145 χ^2/NDF:959017.8/48

All: 1116.812+/-0.104 χ^2/NDF: 1984087.2/91



Right In: 790.723+/-1156.072 χ^2/NDF: 18.2/19

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 791.065+/-1035.868 χ^2/NDF: 25.1/23

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

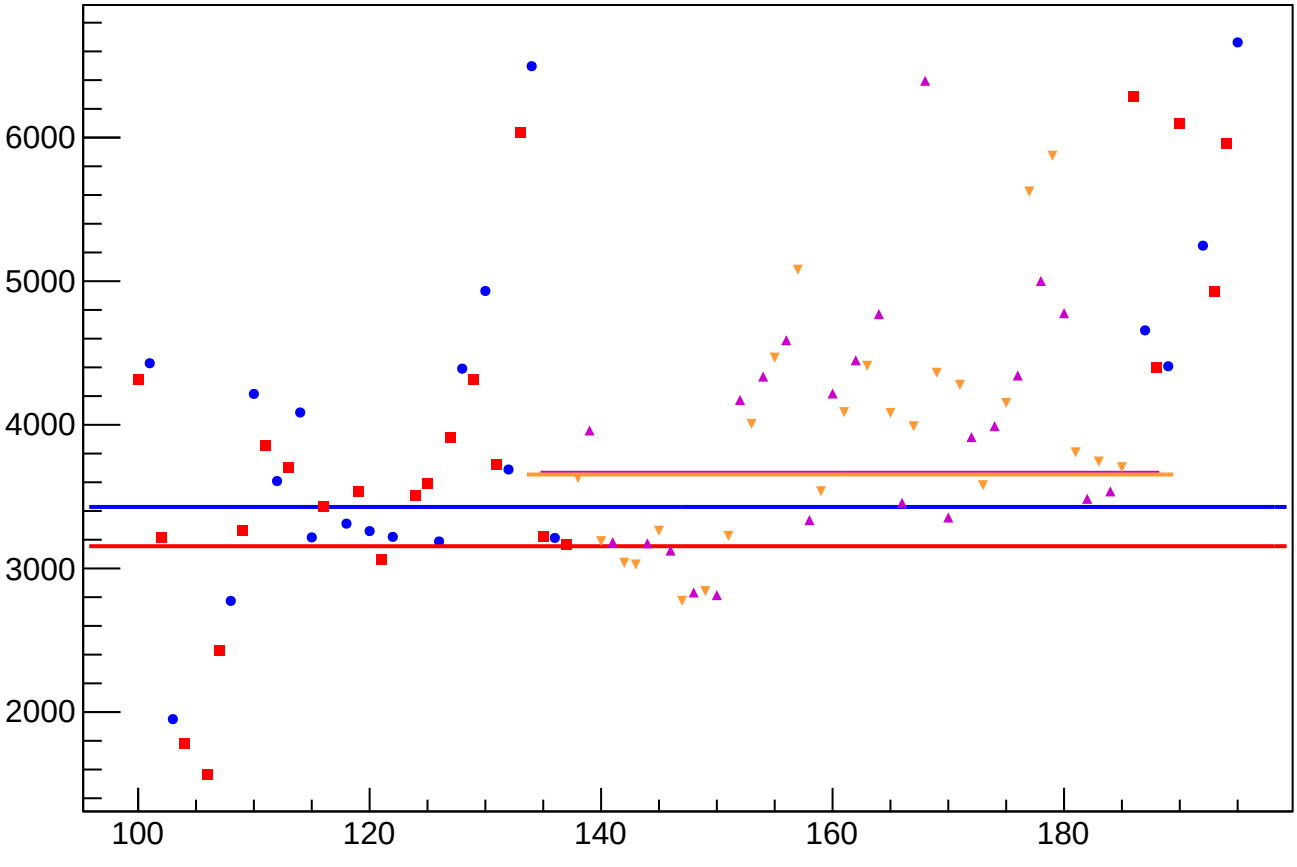
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 790.913+/-771.478 χ^2/NDF: 43.3/43

In: 292.115+/-697.821 χ^2/NDF:32.5/42

Out: 332.457+/-657.281 χ^2/NDF:53.9/48

All: 313.492+/-478.458 χ^2/NDF: 86.4/91



Right In: 3428.261+/-0.817 χ^2/NDF: 1892974.8/19

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3154.927+/-0.732 χ^2/NDF: 2777165.5/23

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

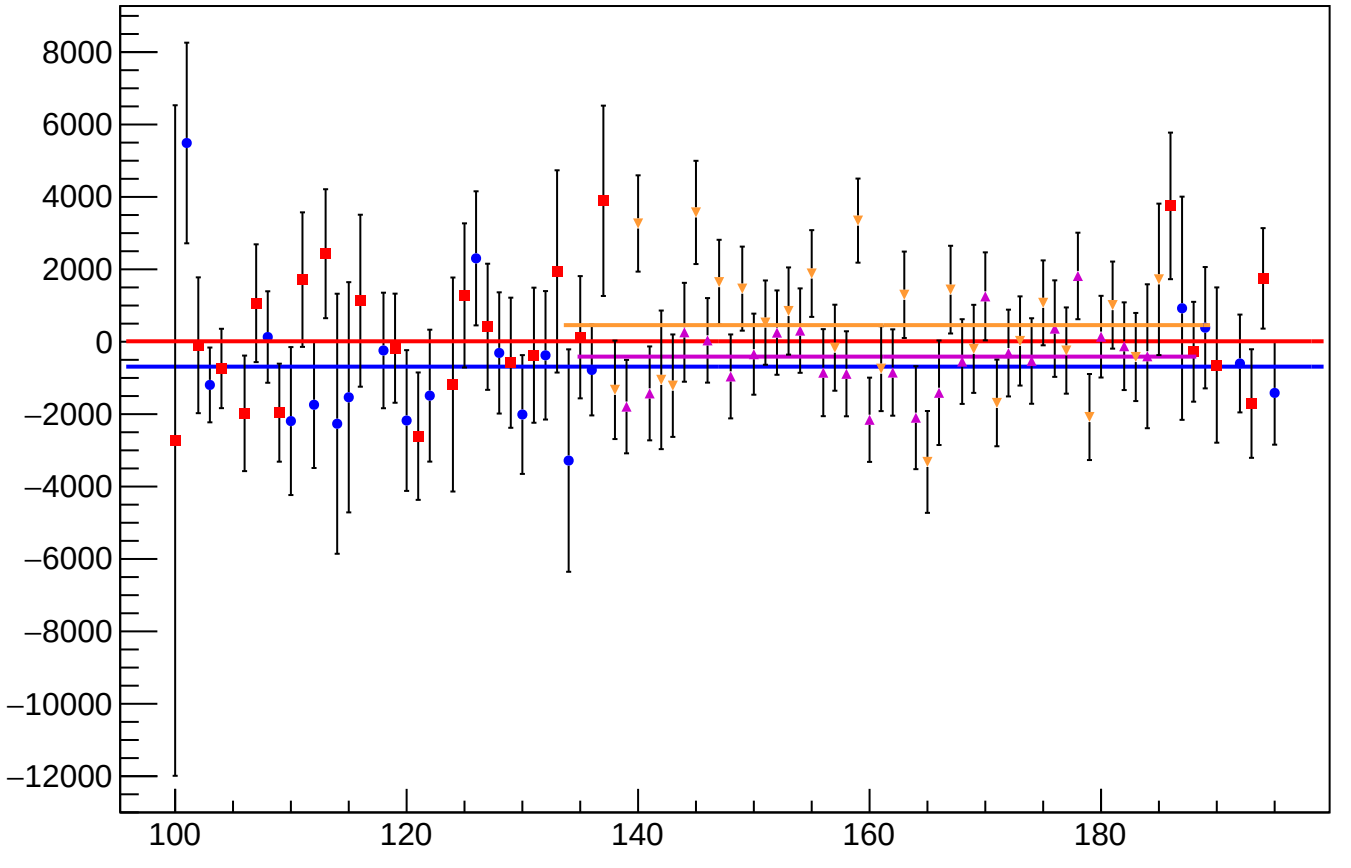
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3276.650+/-0.546 χ^2/NDF: 4732153.8/43

In: 3579.455+/-0.493 χ^2/NDF:3290499.9/42

Out: 3453.182+/-0.465 χ^2/NDF:4366479.6/48

All: 3512.544+/-0.338 χ^2/NDF: 7691680.6/91



Right In: -687.911+/-378.686 χ^2/NDF: 12.7/19

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 12.465+/-356.725 χ^2/NDF: 19.7/23

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

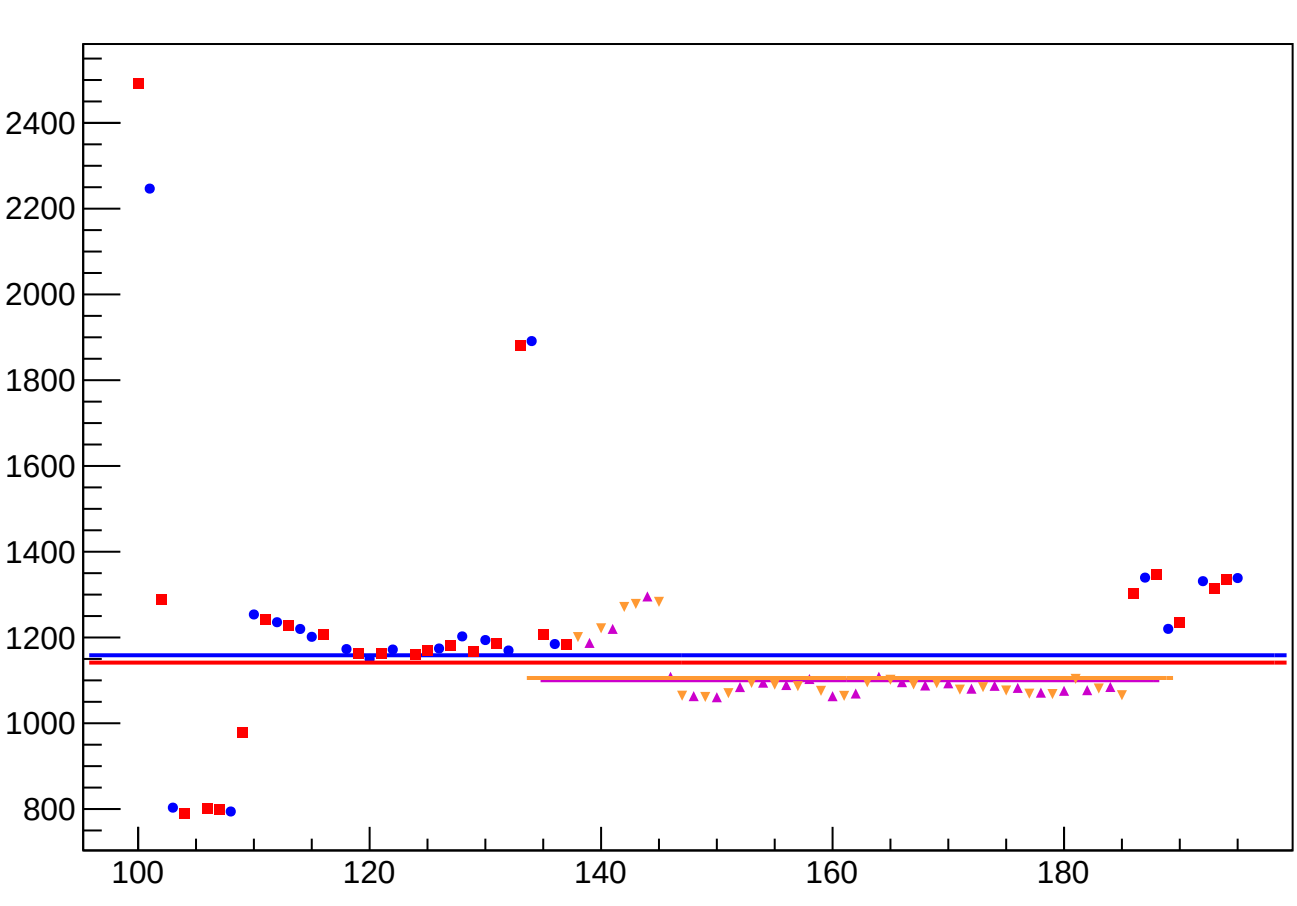
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -316.827+/-259.659 χ^2/NDF: 34.1/43

In: -498.528+/-212.766 χ^2/NDF:26.7/42

Out: 310.606+/-205.571 χ^2/NDF:62.8/48

All: -80.049+/-147.839 χ^2/NDF: 97.0/91



Right In: 1158.558+/-0.268 χ^2/NDF: 912176.6/19

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1141.425+/-0.252 χ^2/NDF: 760524.9/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

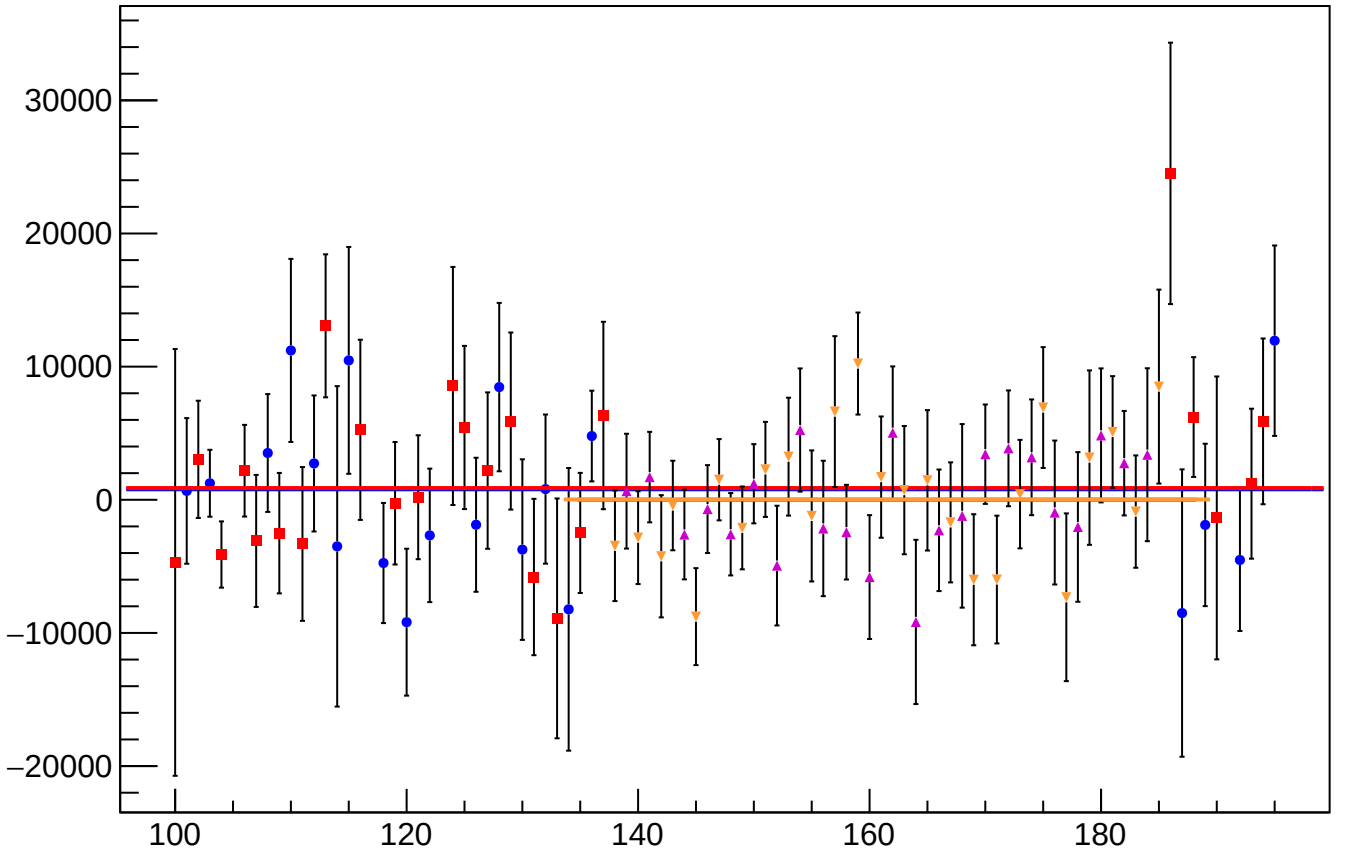
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1149.468+/-0.183 χ^2/NDF: 1674873.5/43

In: 1118.725+/-0.150 χ^2/NDF:1024753.9/42

Out: 1117.486+/-0.145 χ^2/NDF:896012.3/48

All: 1118.084+/-0.105 χ^2/NDF: 1920801.3/91



Right In: 790.252+/-1156.113 χ^2/NDF: 18.2/19

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 880.963+/-1055.081 χ^2/NDF: 25.4/23

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

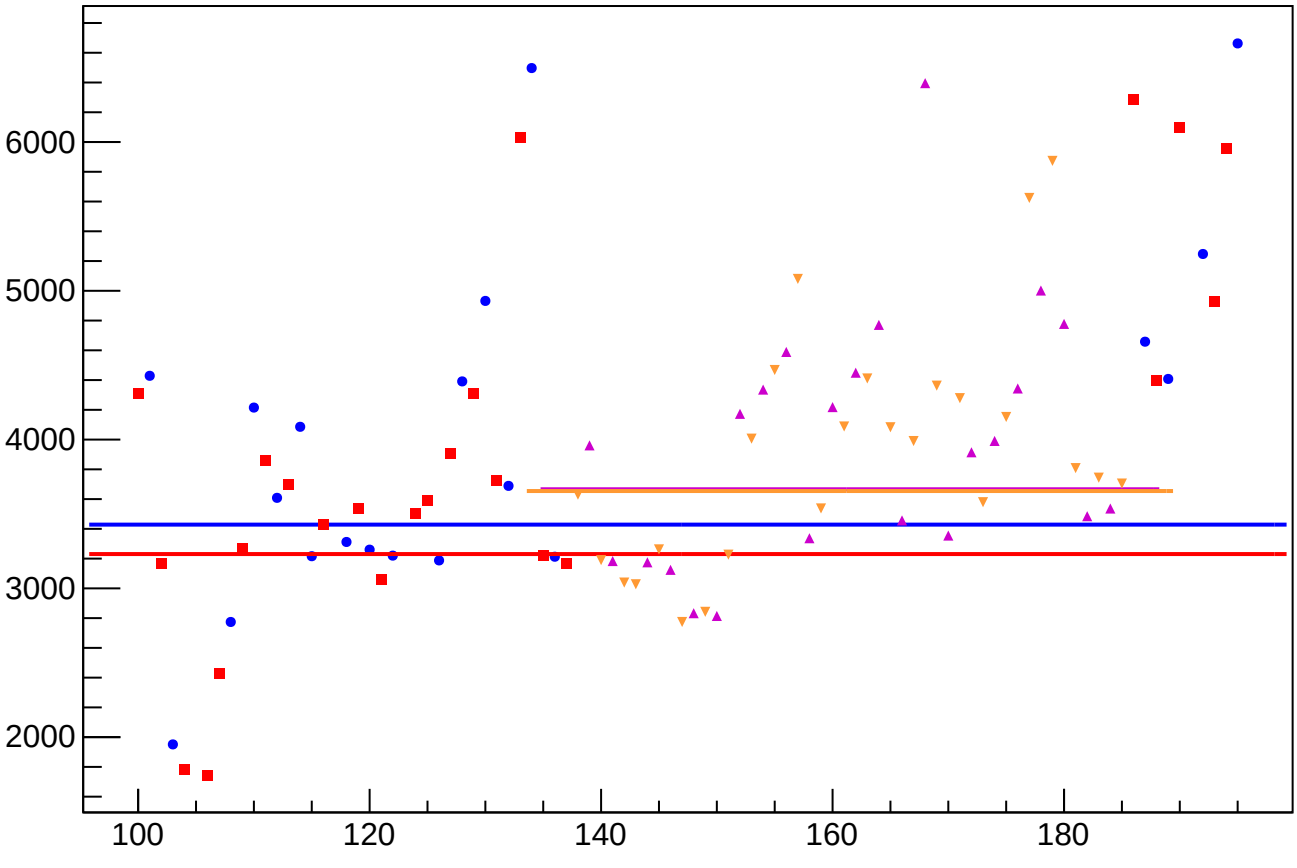
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 839.744+/-779.330 χ^2/NDF: 43.5/43

In: 291.963+/-697.830 χ^2/NDF:32.5/42

Out: 361.095+/-662.109 χ^2/NDF:54.2/48

All: 328.344+/-480.313 χ^2/NDF: 86.7/91



Right In: 3428.440+/-0.817 χ^2/NDF: 1892404.1/19

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3230.613+/-0.746 χ^2/NDF: 2499842.2/23

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

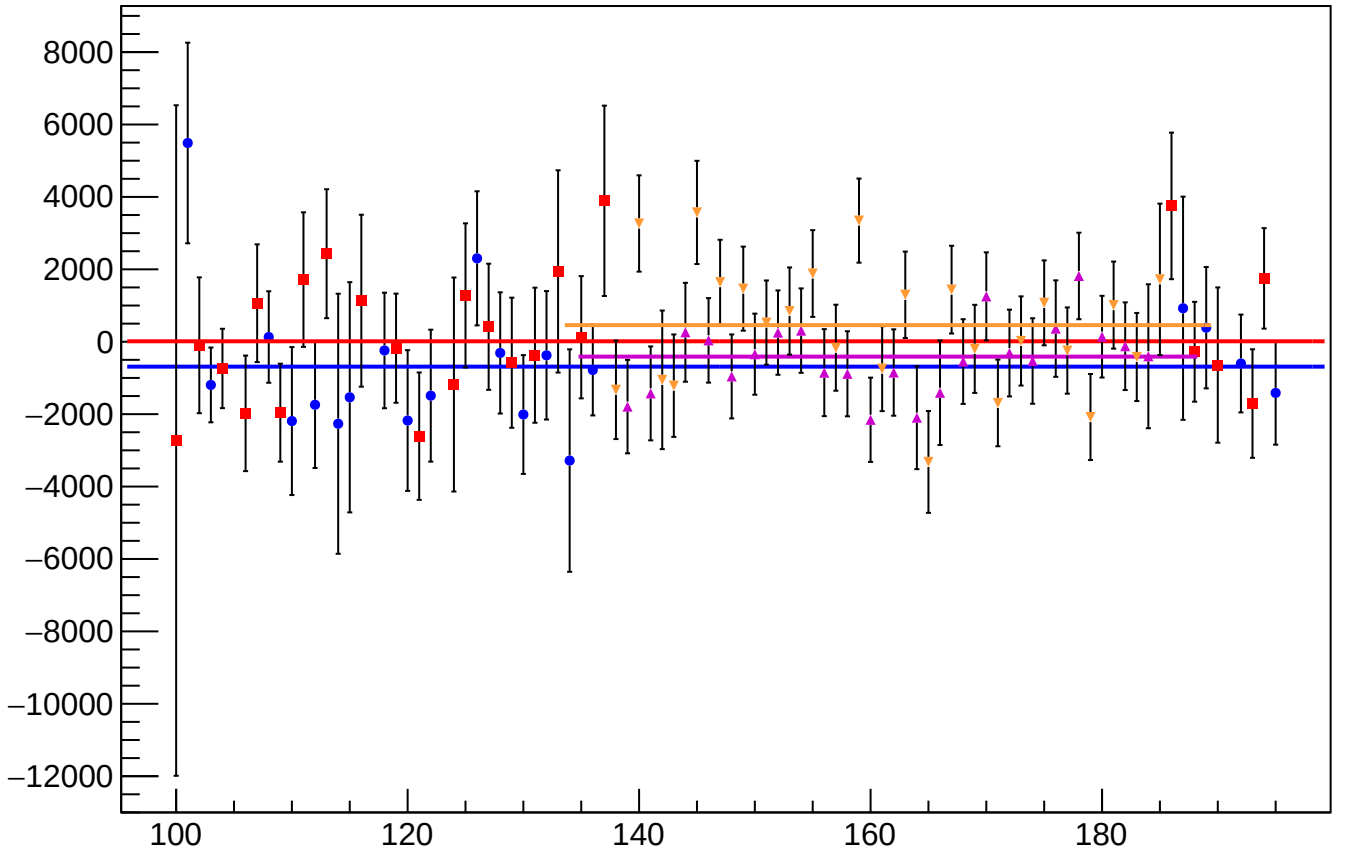
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3320.507+/-0.551 χ^2/NDF: 4424196.3/43

In: 3579.522+/-0.493 χ^2/NDF:3289846.3/42

Out: 3487.384+/-0.468 χ^2/NDF:4007019.0/48

All: 3531.035+/-0.340 χ^2/NDF: 7315213.6/91



Right In: -687.911+/-378.686 χ^2/NDF: 12.7/19

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 12.465+/-356.725 χ^2/NDF: 19.7/23

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

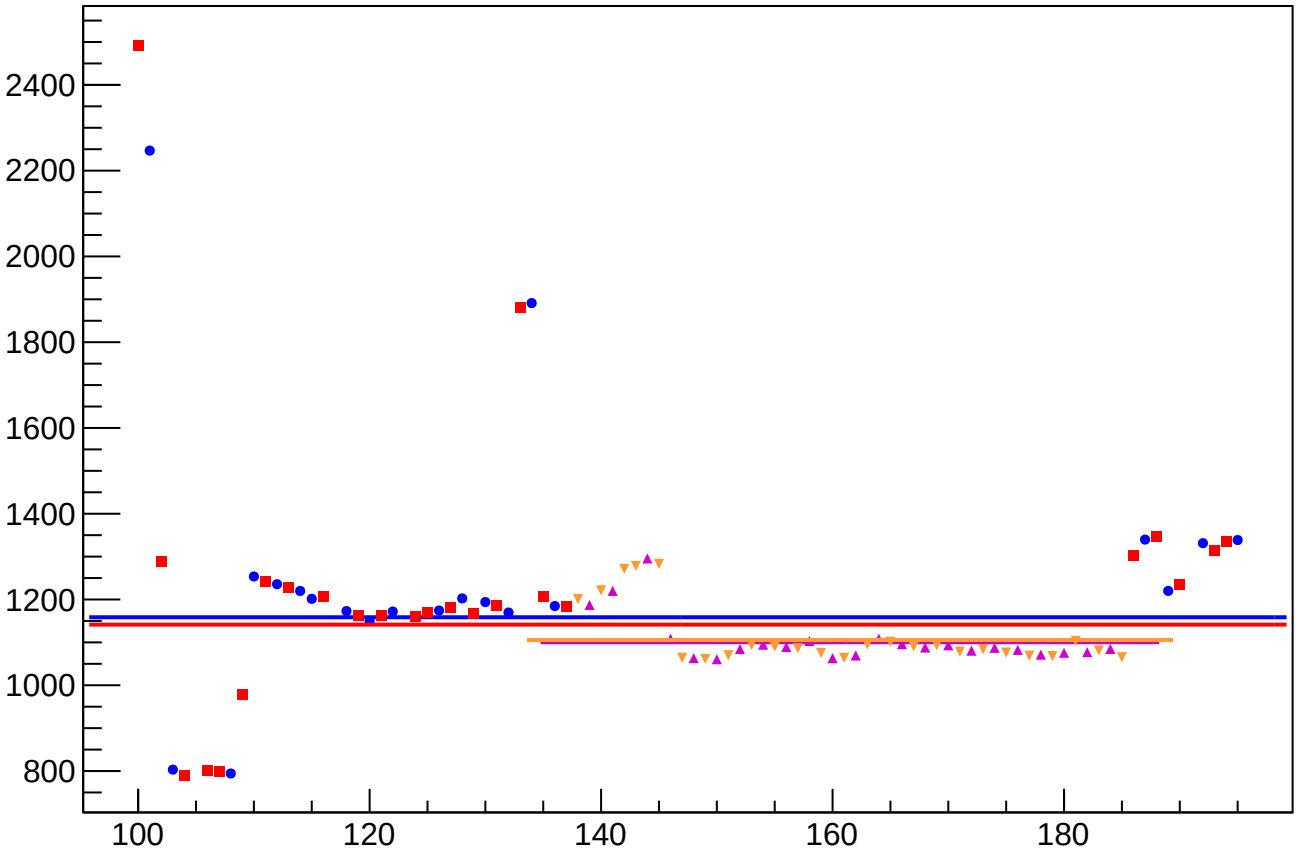
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -316.827+/-259.659 χ^2/NDF: 34.1/43

In: -498.528+/-212.766 χ^2/NDF:26.7/42

Out: 310.606+/-205.571 χ^2/NDF:62.8/48

All: -80.049+/-147.839 χ^2/NDF: 97.0/91



Right In: 1158.558+/-0.268 χ^2/NDF: 912176.6/19

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1141.425+/-0.252 χ^2/NDF: 760524.9/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

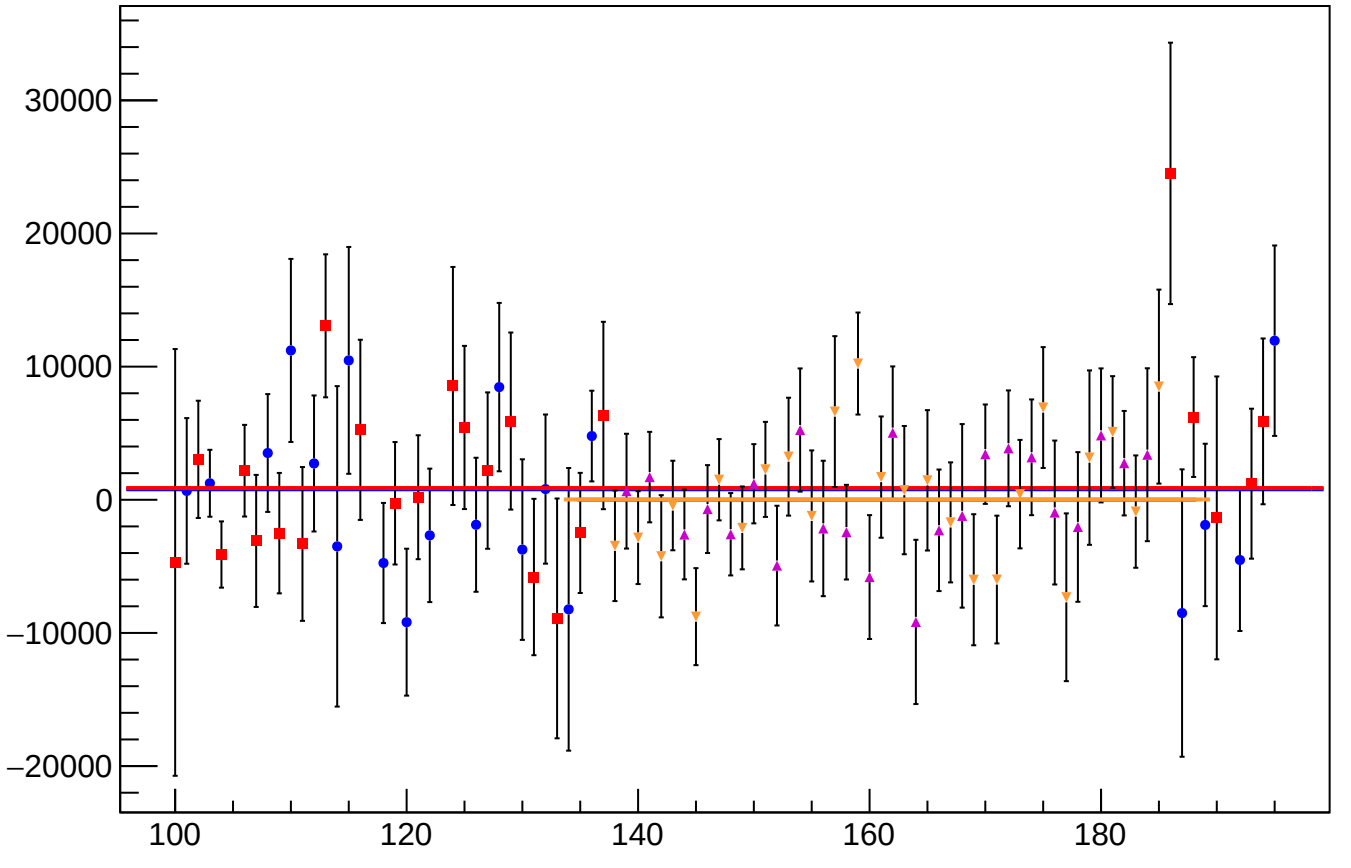
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1149.468+/-0.183 χ^2/NDF: 1674873.5/43

In: 1118.725+/-0.150 χ^2/NDF:1024753.9/42

Out: 1117.486+/-0.145 χ^2/NDF:896012.3/48

All: 1118.084+/-0.105 χ^2/NDF: 1920801.3/91



Right In: 790.252+/-1156.113 χ^2/NDF: 18.2/19

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 880.963+/-1055.081 χ^2/NDF: 25.4/23

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

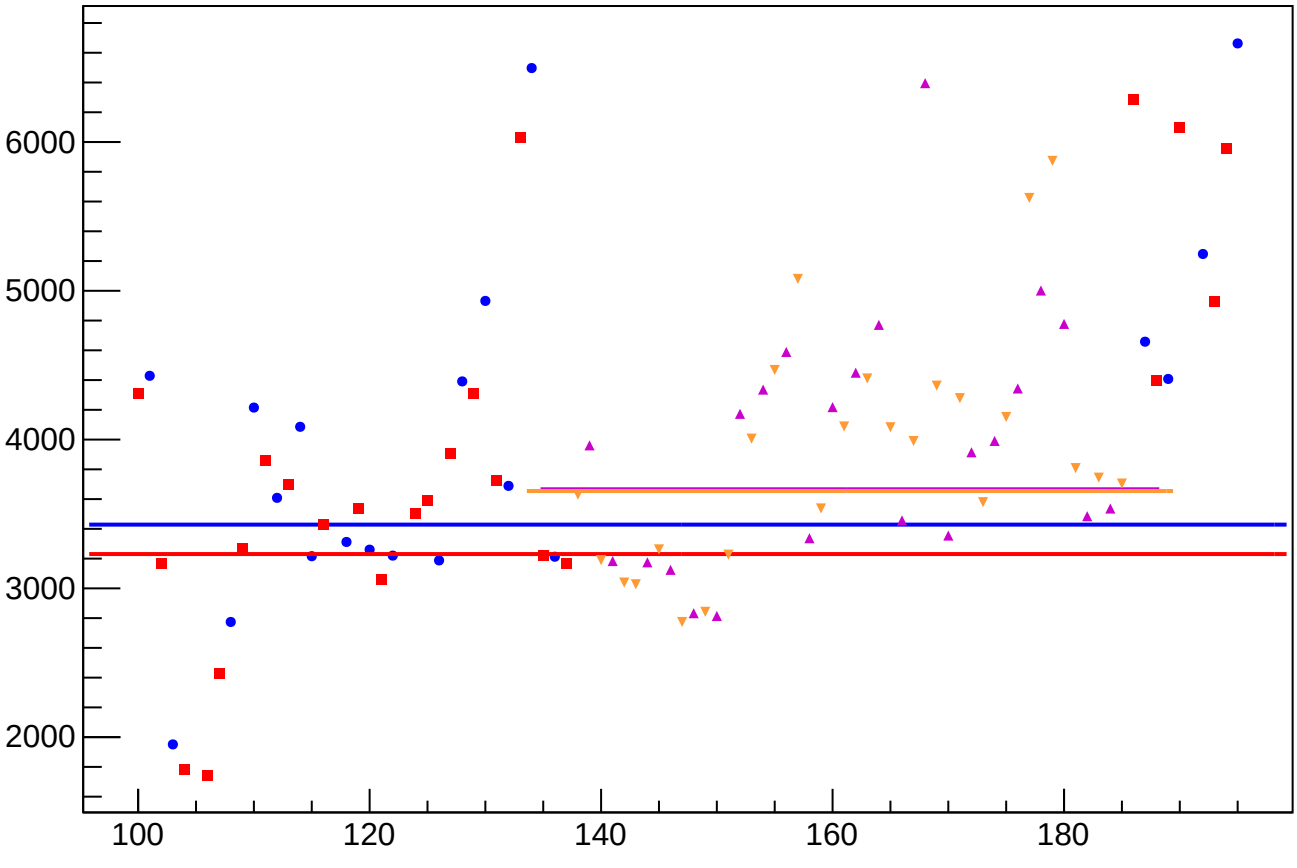
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 839.744+/-779.330 χ^2/NDF: 43.5/43

In: 291.963+/-697.830 χ^2/NDF:32.5/42

Out: 361.095+/-662.109 χ^2/NDF:54.2/48

All: 328.344+/-480.313 χ^2/NDF: 86.7/91



Right In: 3428.440+/-0.817 χ^2/NDF: 1892404.1/19

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3230.613+/-0.746 χ^2/NDF: 2499842.2/23

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

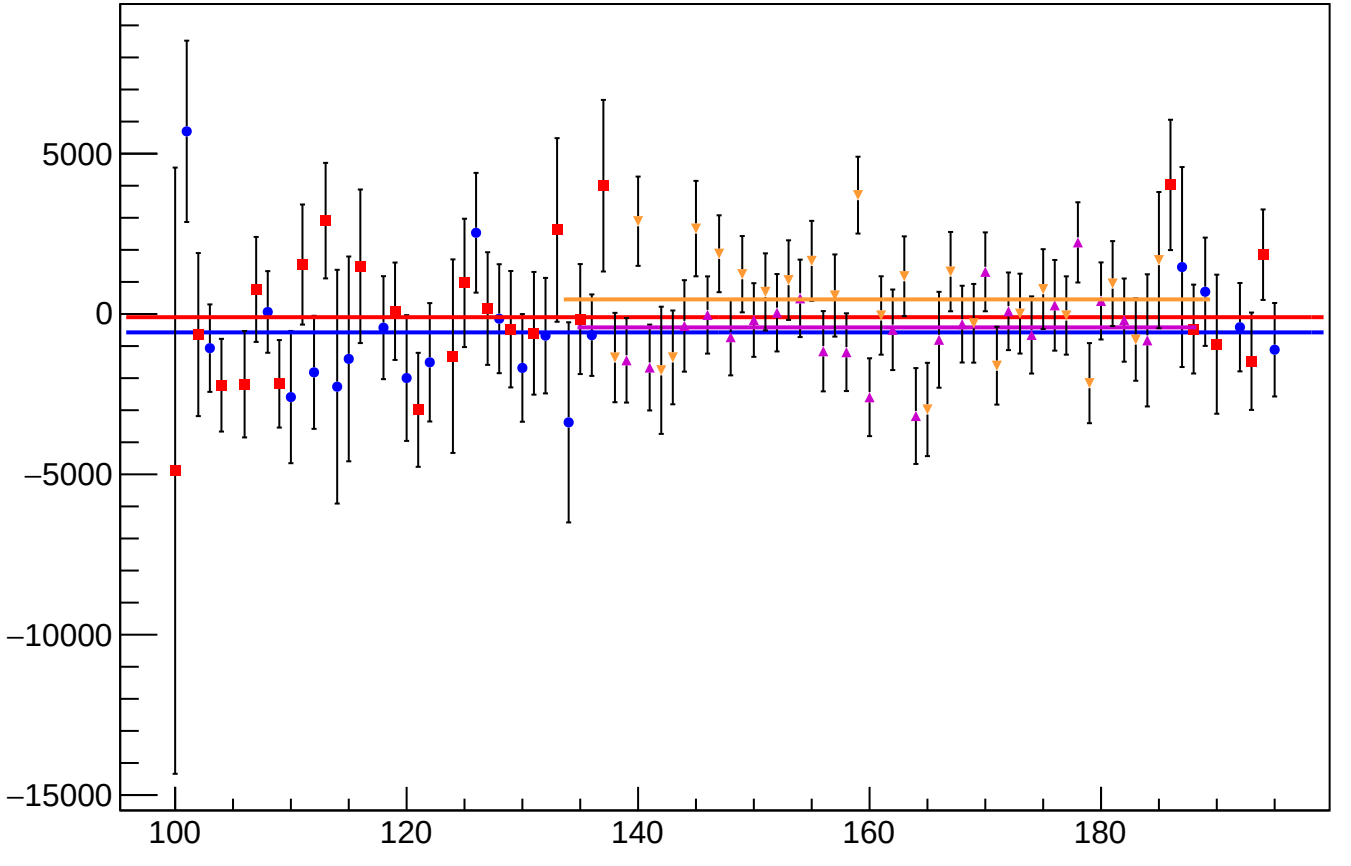
Right: 3320.507+/-0.551 χ^2/NDF: 4424196.3/43

In: 3579.522+/-0.493 χ^2/NDF:3289846.3/42

Out: 3487.384+/-0.468 χ^2/NDF:4007019.0/48

All: 3531.035+/-0.340 χ^2/NDF: 7315213.6/91

dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -573.337+/-394.595 χ^2/NDF: 13.1/19

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -99.550+/-372.397 χ^2/NDF: 24.2/23

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

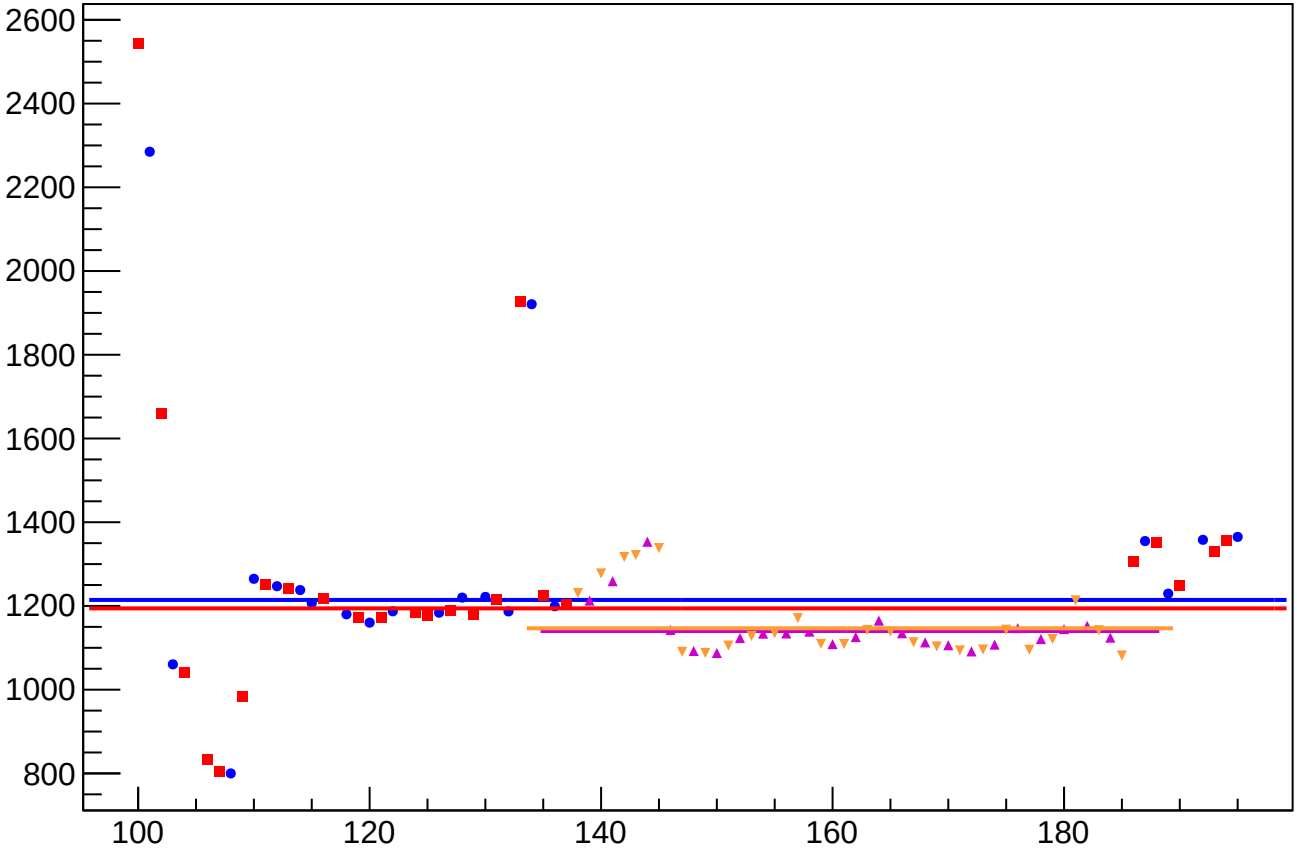
Right: -322.743+/-270.832 χ^2/NDF: 38.0/43

In: -466.132+/-220.897 χ^2/NDF:30.5/42

Out: 272.800+/-213.736 χ^2/NDF:61.8/48

All: -84.495+/-153.603 χ^2/NDF: 98.1/91

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1214.386+/-0.279 χ^2/NDF: 680261.1/19

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1194.170+/-0.263 χ^2/NDF: 599787.8/23

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

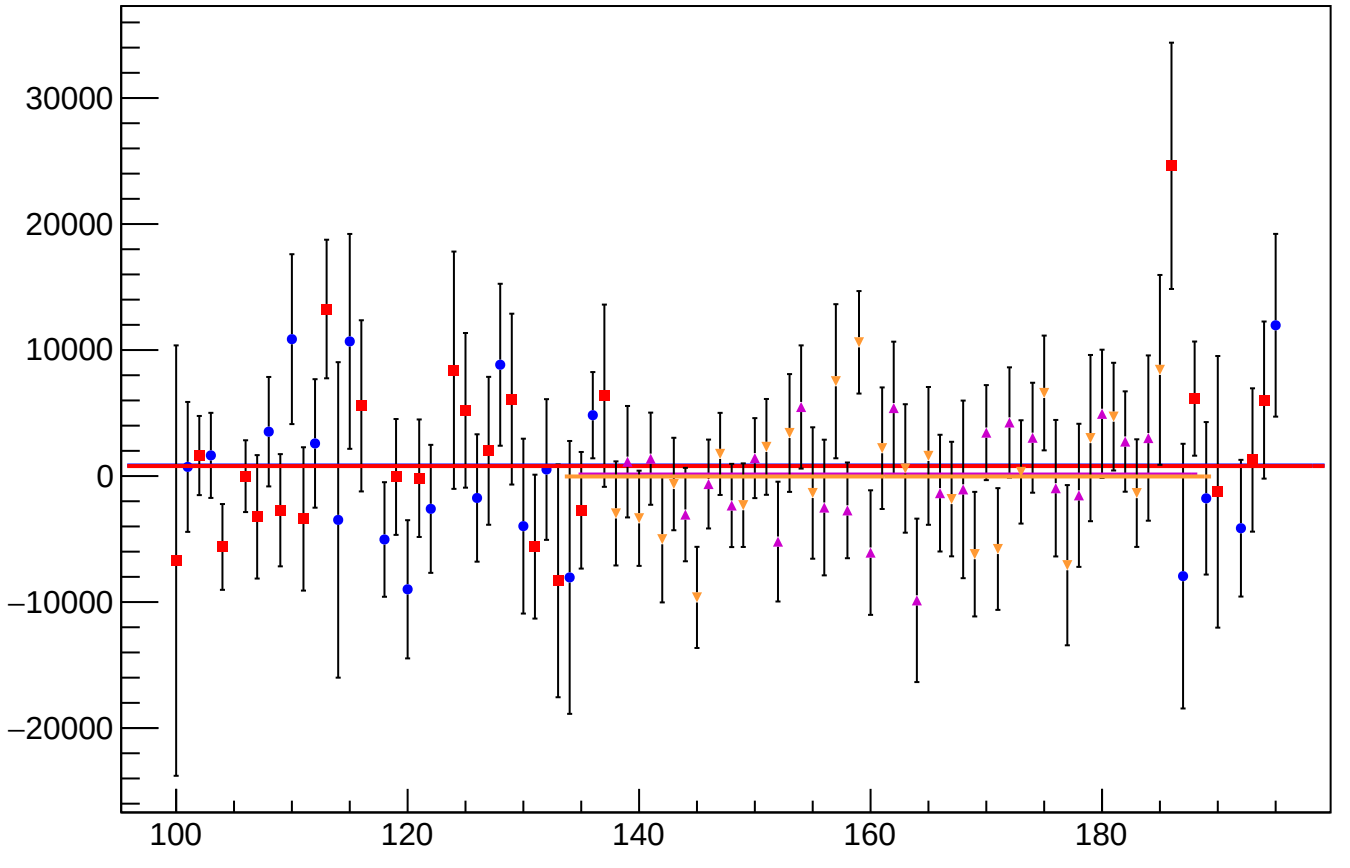
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1203.690+/-0.191 χ^2/NDF: 1282826.2/43

In: 1163.427+/-0.156 χ^2/NDF:813578.5/42

Out: 1162.286+/-0.151 χ^2/NDF:762685.8/48

All: 1162.838+/-0.109 χ^2/NDF: 1576291.7/91



Right In: 837.478+/-1213.672 χ^2/NDF: 18.0/19

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 791.373+/-1050.270 χ^2/NDF: 24.8/23

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

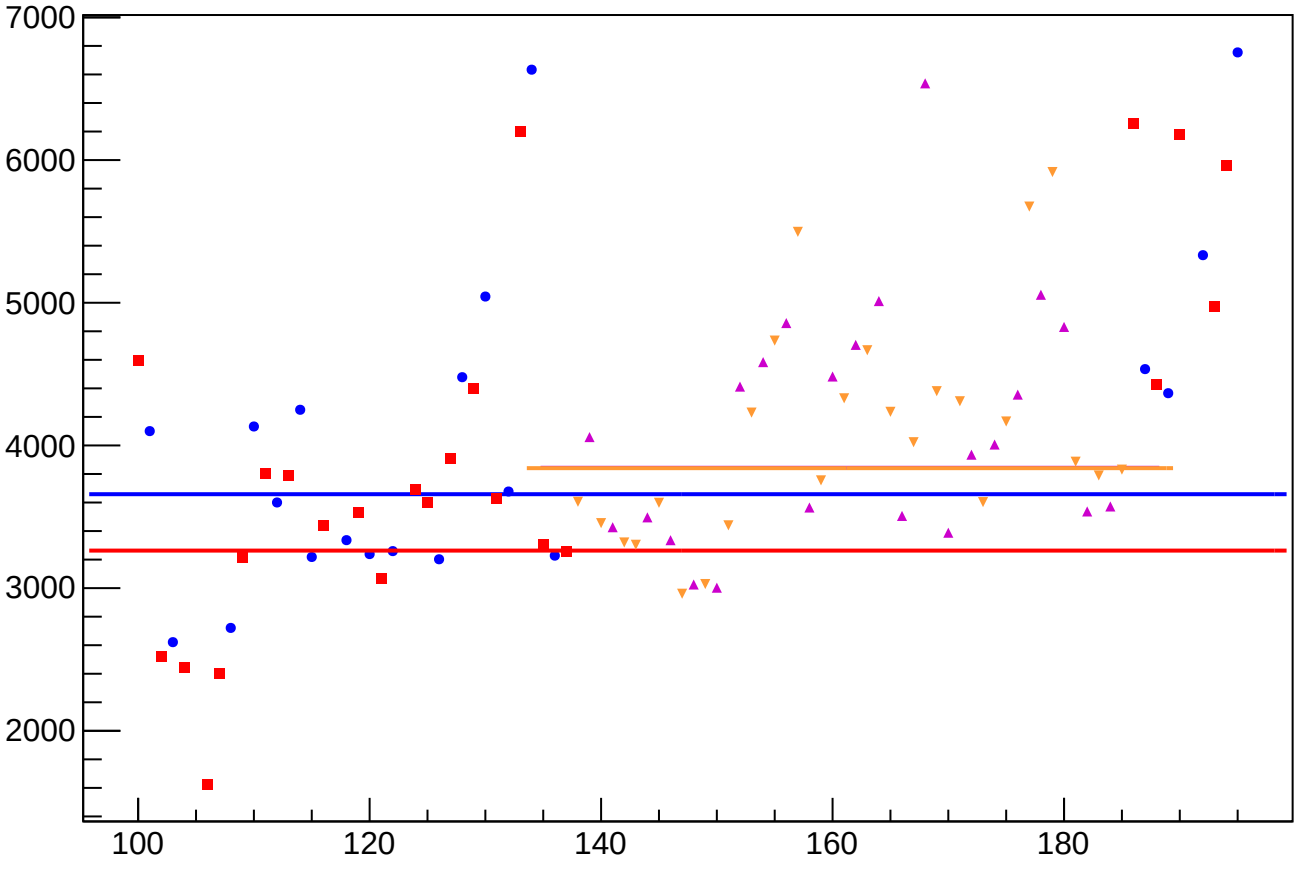
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 811.115+/-794.189 χ^2/NDF: 42.7/43

In: 380.943+/-730.990 χ^2/NDF:32.0/42

Out: 311.851+/-679.604 χ^2/NDF:52.9/48

All: 343.883+/-497.728 χ^2/NDF: 84.8/91



Right In: 3658.330+/-0.858 χ^2/NDF: 1258494.0/19

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3263.111+/-0.743 χ^2/NDF: 2334024.4/23

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

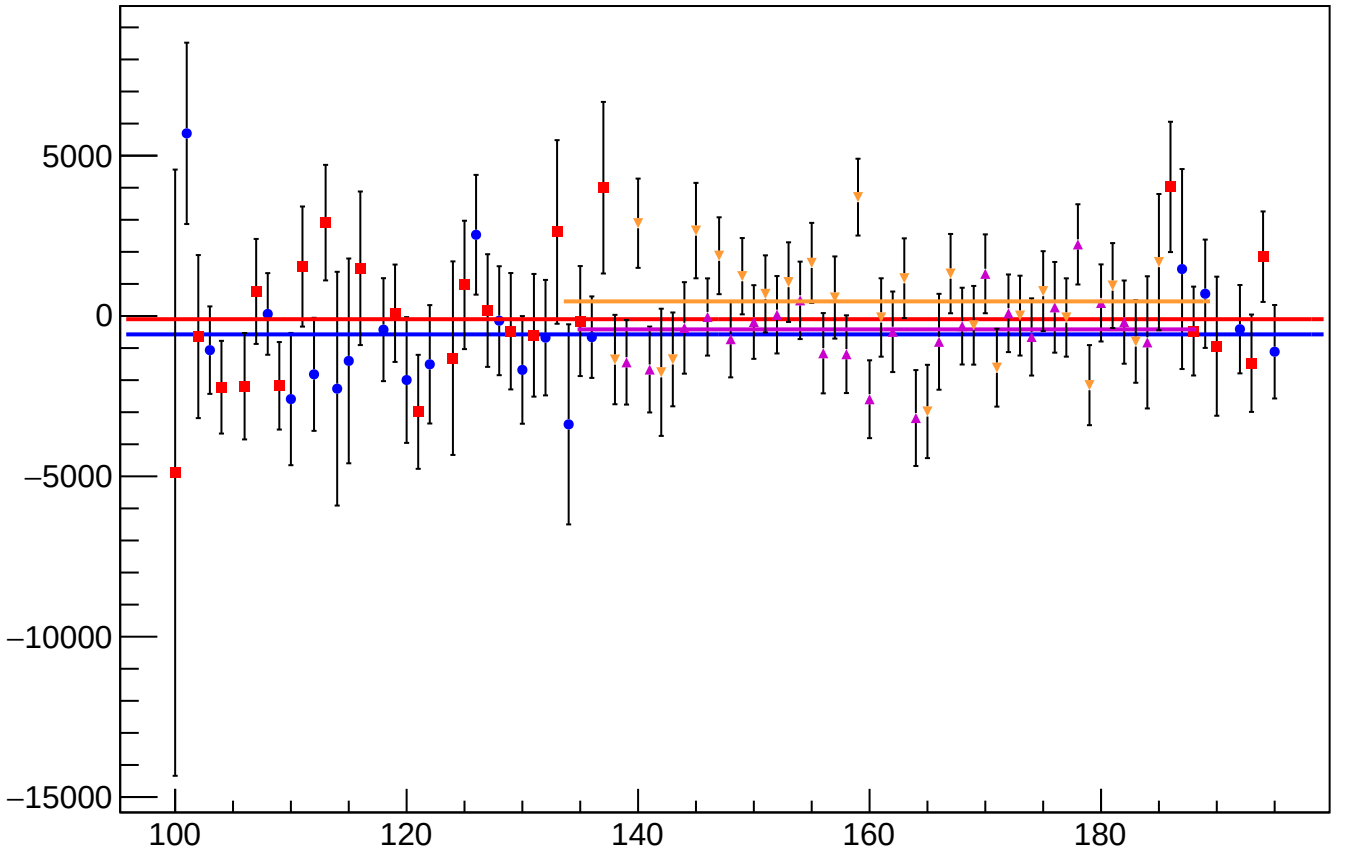
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3432.343+/-0.562 χ^2/NDF: 3713787.1/43

In: 3776.218+/-0.517 χ^2/NDF:2484163.6/42

Out: 3598.935+/-0.481 χ^2/NDF:3804459.7/48

All: 3681.127+/-0.352 χ^2/NDF: 6351720.8/91



Right In: -573.340+/-394.595 χ^2/NDF: 13.1/19

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -99.554+/-372.397 χ^2/NDF: 24.2/23

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

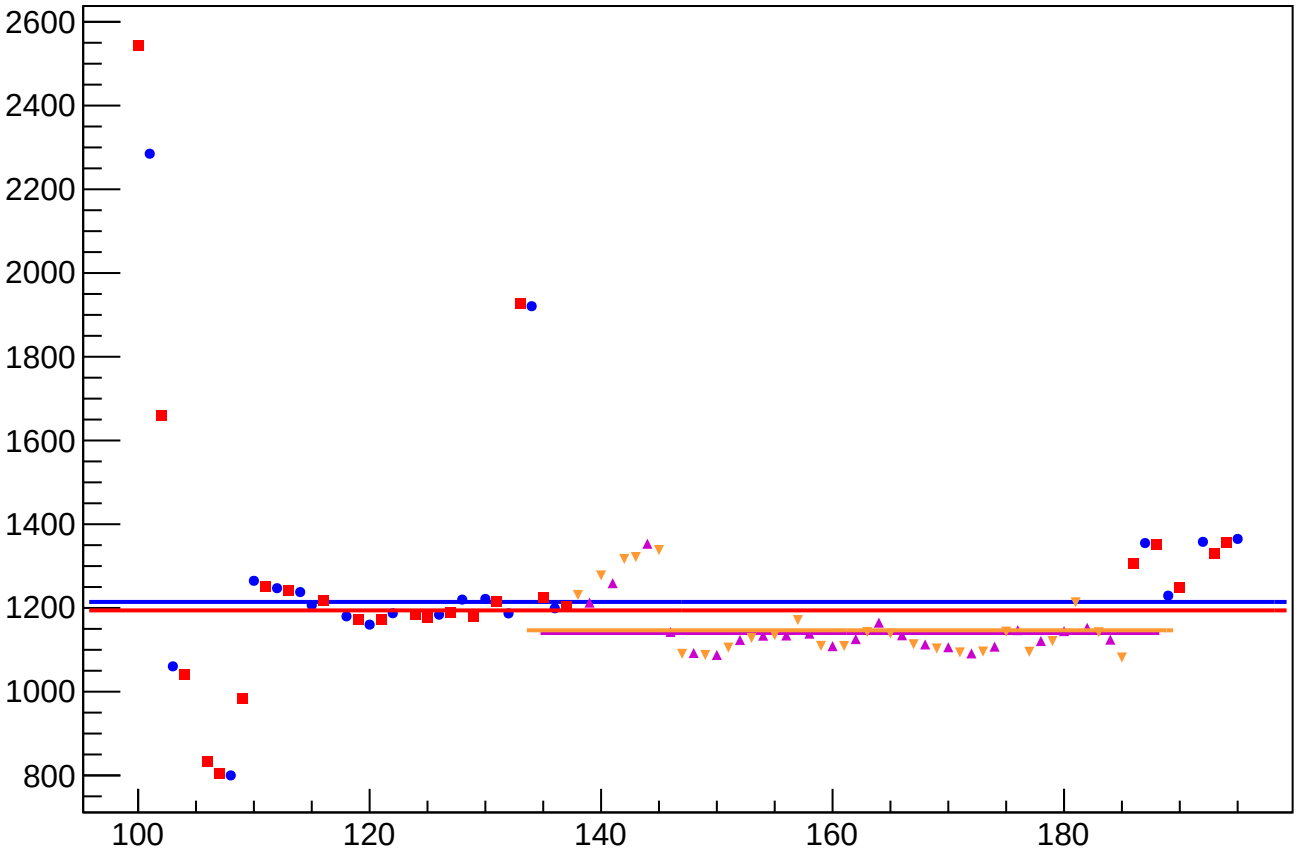
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -322.746+/-270.832 χ^2/NDF: 38.0/43

In: -466.132+/-220.897 χ^2/NDF:30.5/42

Out: 272.802+/-213.736 χ^2/NDF:61.8/48

All: -84.494+/-153.603 χ^2/NDF: 98.1/91



Right In: 1214.386+/-0.279 χ^2/NDF: 680261.4/19

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1194.170+/-0.263 χ^2/NDF: 599787.1/23

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

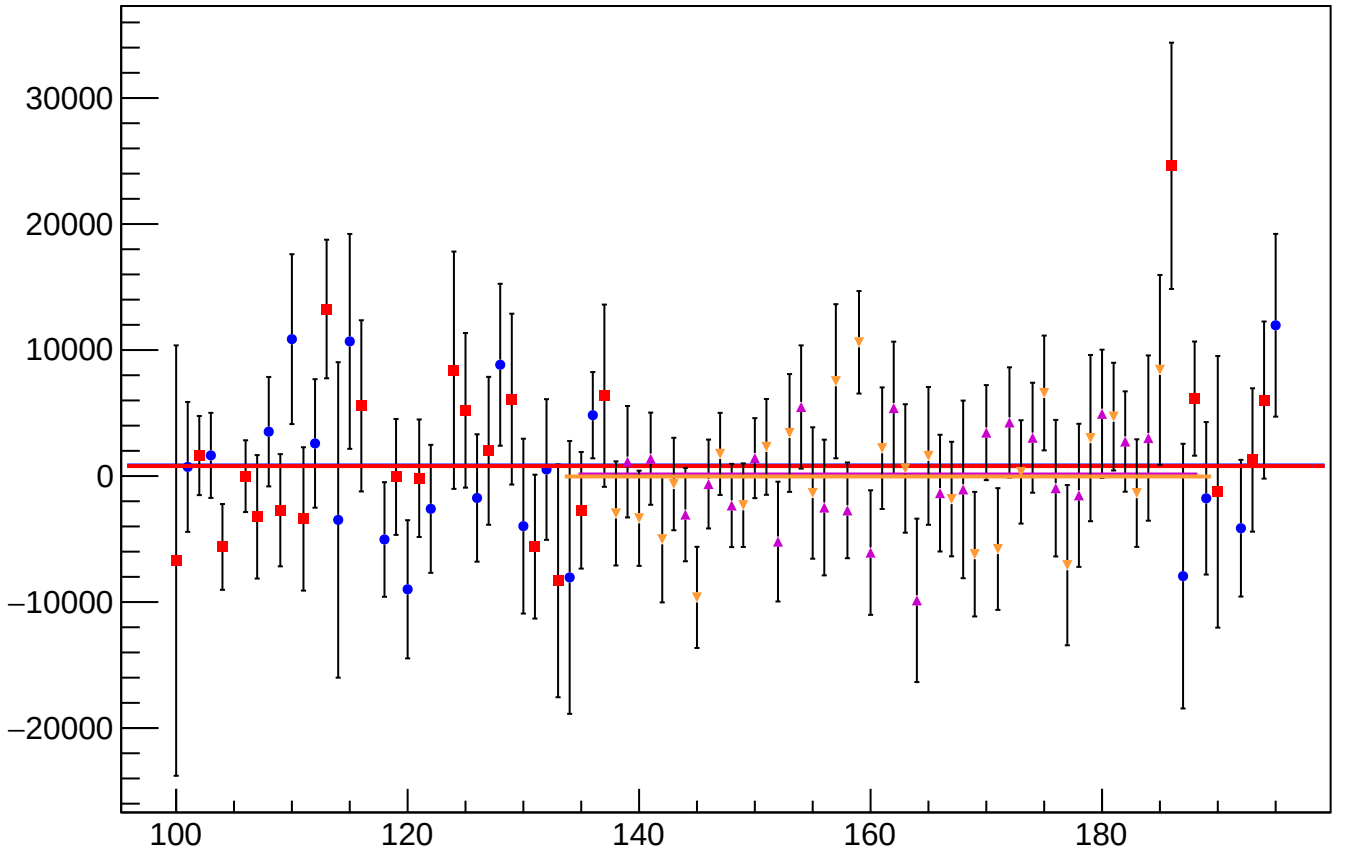
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1203.690+/-0.191 χ^2/NDF: 1282825.7/43

In: 1163.427+/-0.156 χ^2/NDF:813577.3/42

Out: 1162.287+/-0.151 χ^2/NDF:762684.6/48

All: 1162.838+/-0.109 χ^2/NDF: 1576289.5/91



Right In: 837.463+/-1213.671 χ^2/NDF: 18.0/19

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 791.364+/-1050.269 χ^2/NDF: 24.8/23

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

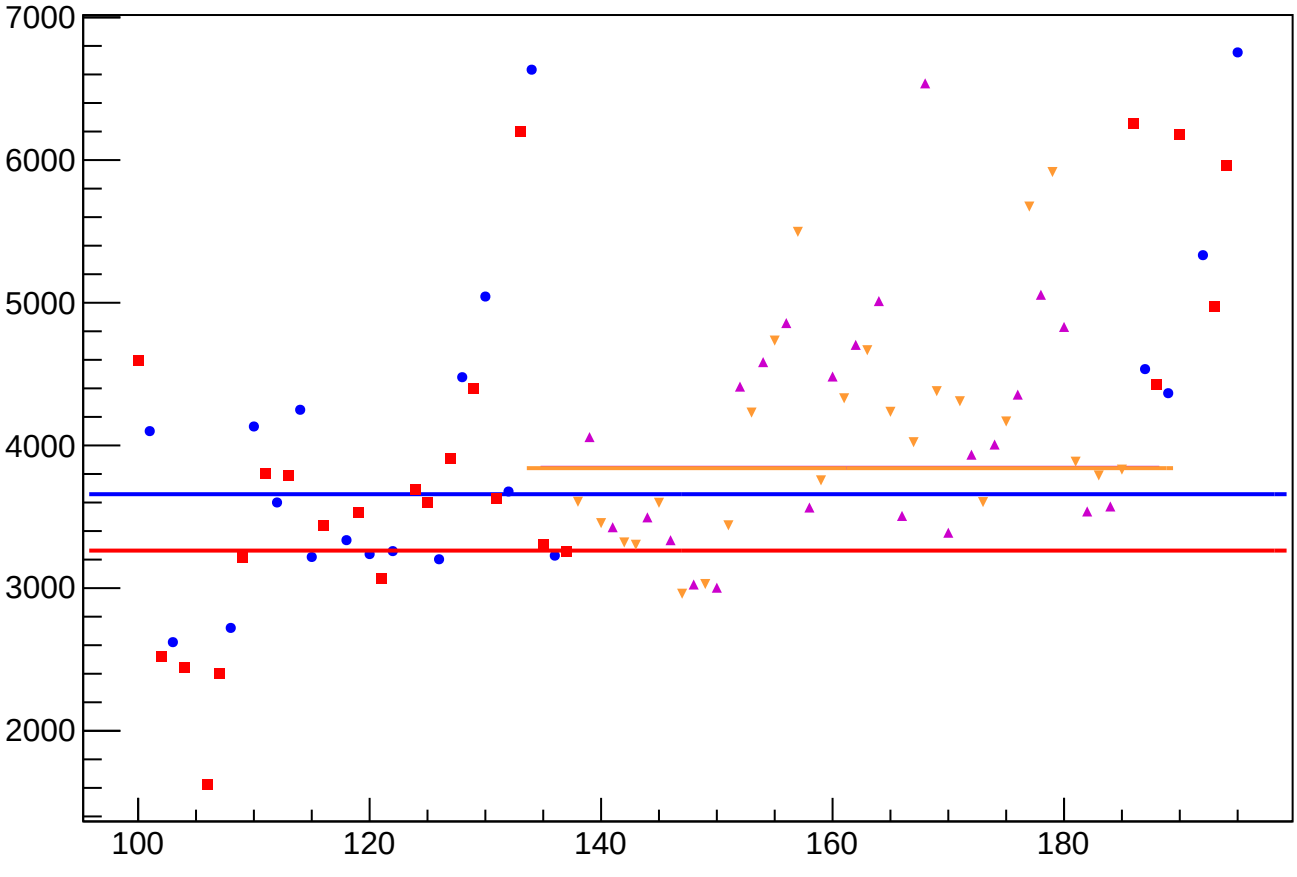
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 811.104+/-794.188 χ^2/NDF: 42.7/43

In: 380.940+/-730.990 χ^2/NDF:32.0/42

Out: 311.849+/-679.604 χ^2/NDF:52.9/48

All: 343.881+/-497.729 χ^2/NDF: 84.8/91



Right In: 3658.327+/-0.858 χ^2/NDF: 1258495.1/19

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3263.106+/-0.743 χ^2/NDF: 2334029.9/23

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

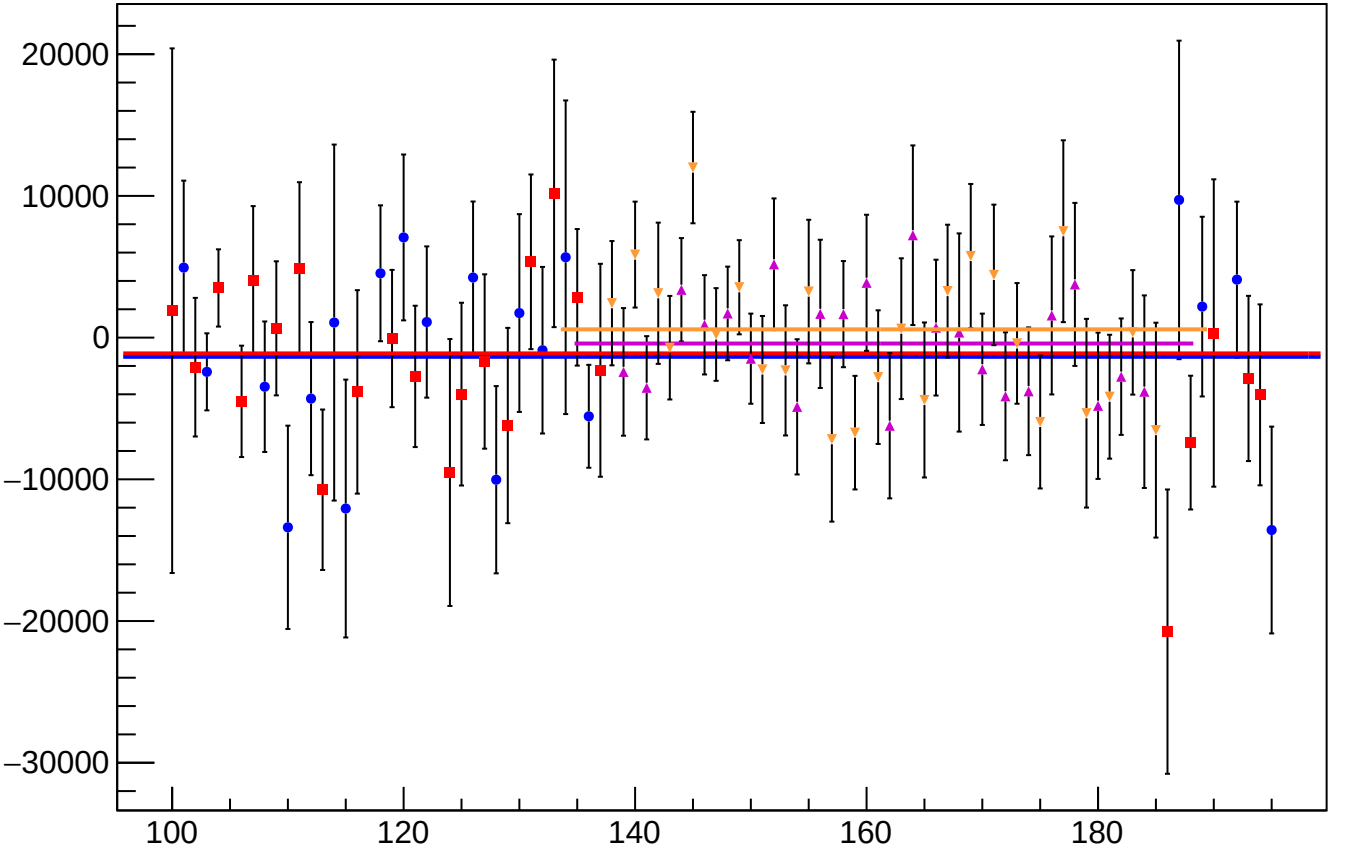
Right: 3432.339+/-0.562 χ^2/NDF: 3713795.1/43

In: 3776.220+/-0.517 χ^2/NDF:2484171.1/42

Out: 3598.936+/-0.481 χ^2/NDF:3804479.3/48

All: 3681.128+/-0.352 χ^2/NDF: 6351749.0/91

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1352.859+/-1226.556 χ^2/NDF: 19.6/19

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1114.339+/-1129.078 χ^2/NDF: 19.7/23

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

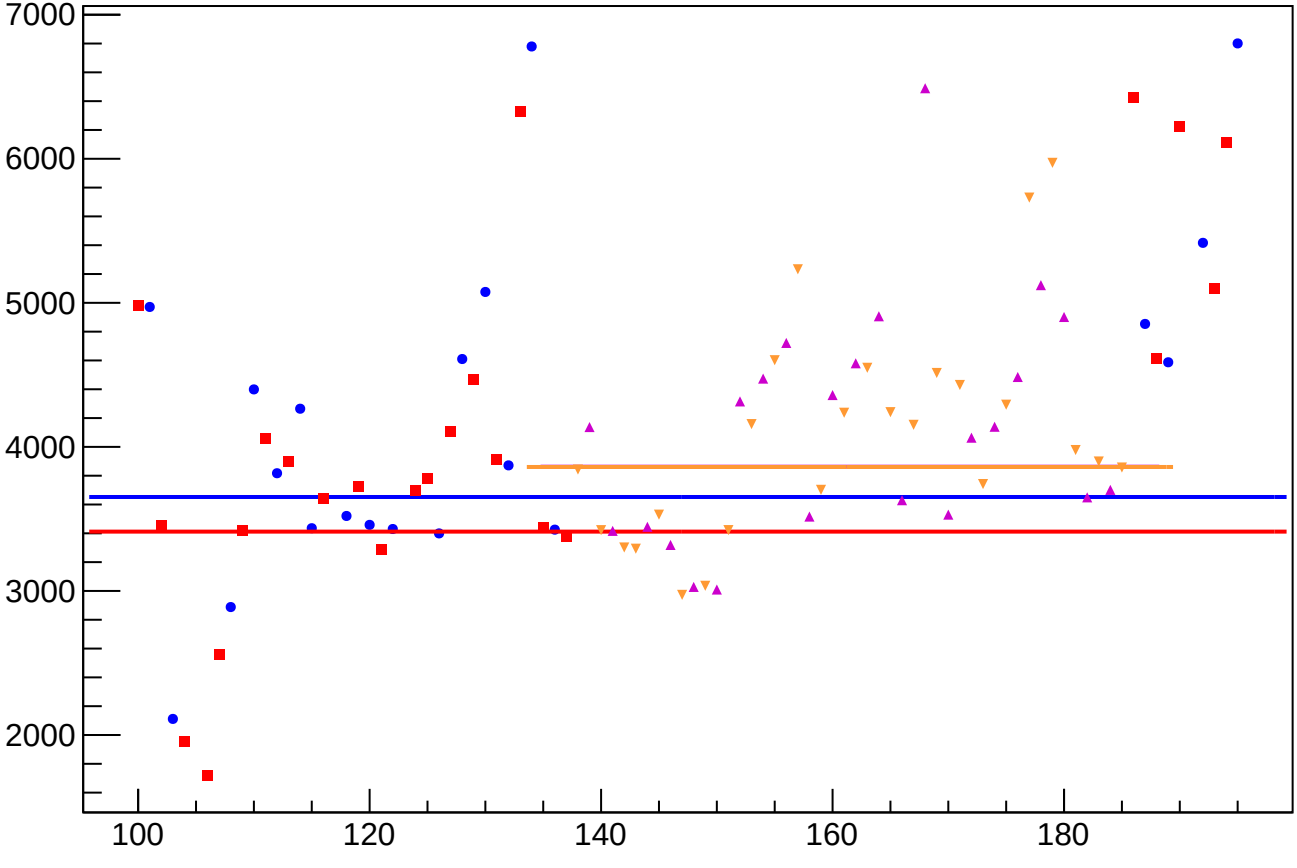
Right: -1223.746+/-830.705 χ^2/NDF: 39.3/43

In: -753.356+/-735.467 χ^2/NDF:32.4/42

Out: -71.708+/-701.326 χ^2/NDF:48.5/48

All: -396.344+/-507.553 χ^2/NDF: 81.4/91

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3652.199+/-0.867 χ^2/NDF: 1770694.8/19

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3411.851+/-0.787 χ^2/NDF: 2445428.3/23

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

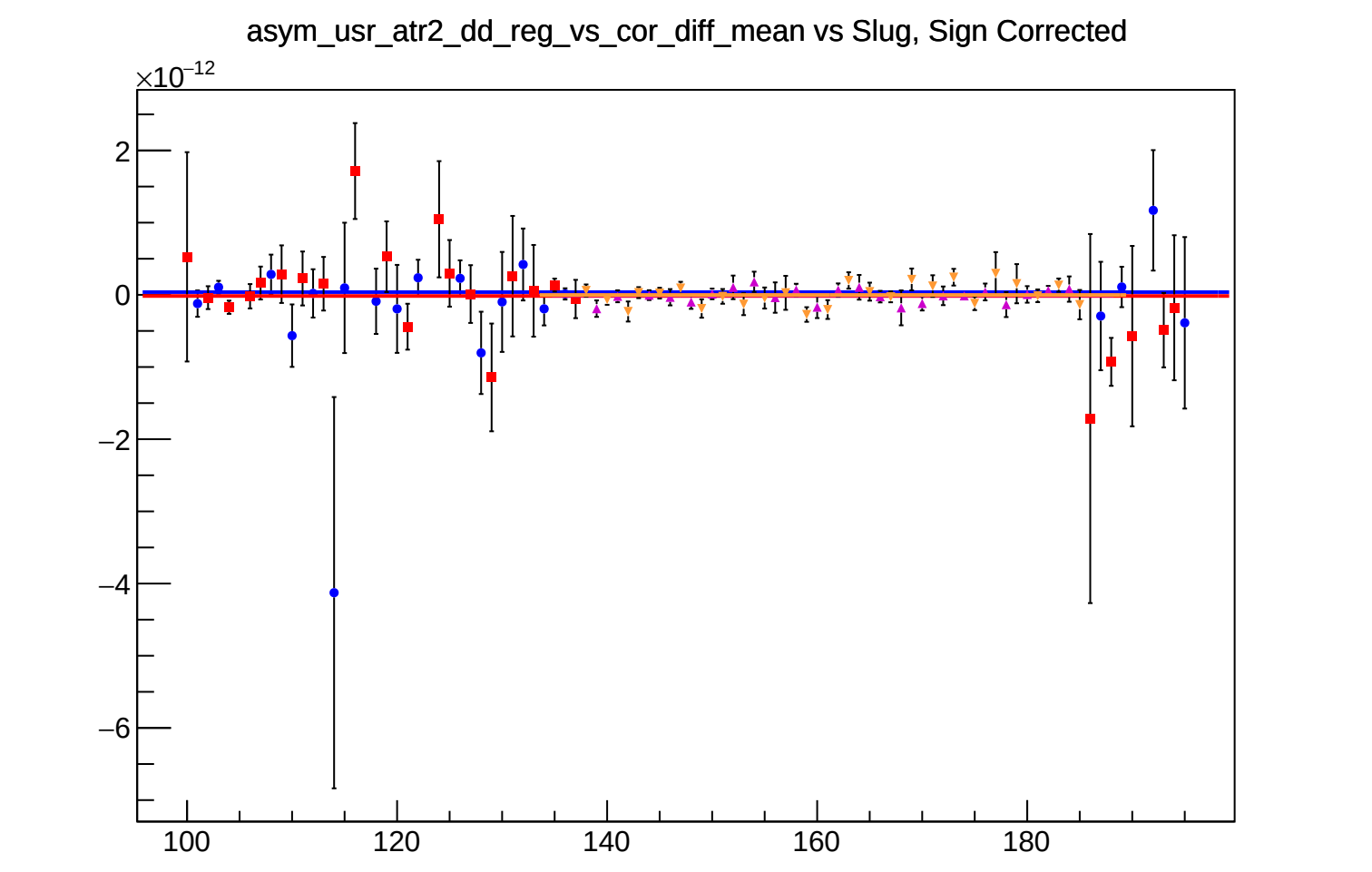
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3520.379+/-0.583 χ^2/NDF: 4258241.8/43

In: 3786.784+/-0.520 χ^2/NDF:2950472.5/42

Out: 3684.349+/-0.493 χ^2/NDF:3740143.4/48

All: 3732.848+/-0.358 χ^2/NDF: 6711044.4/91



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/23

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

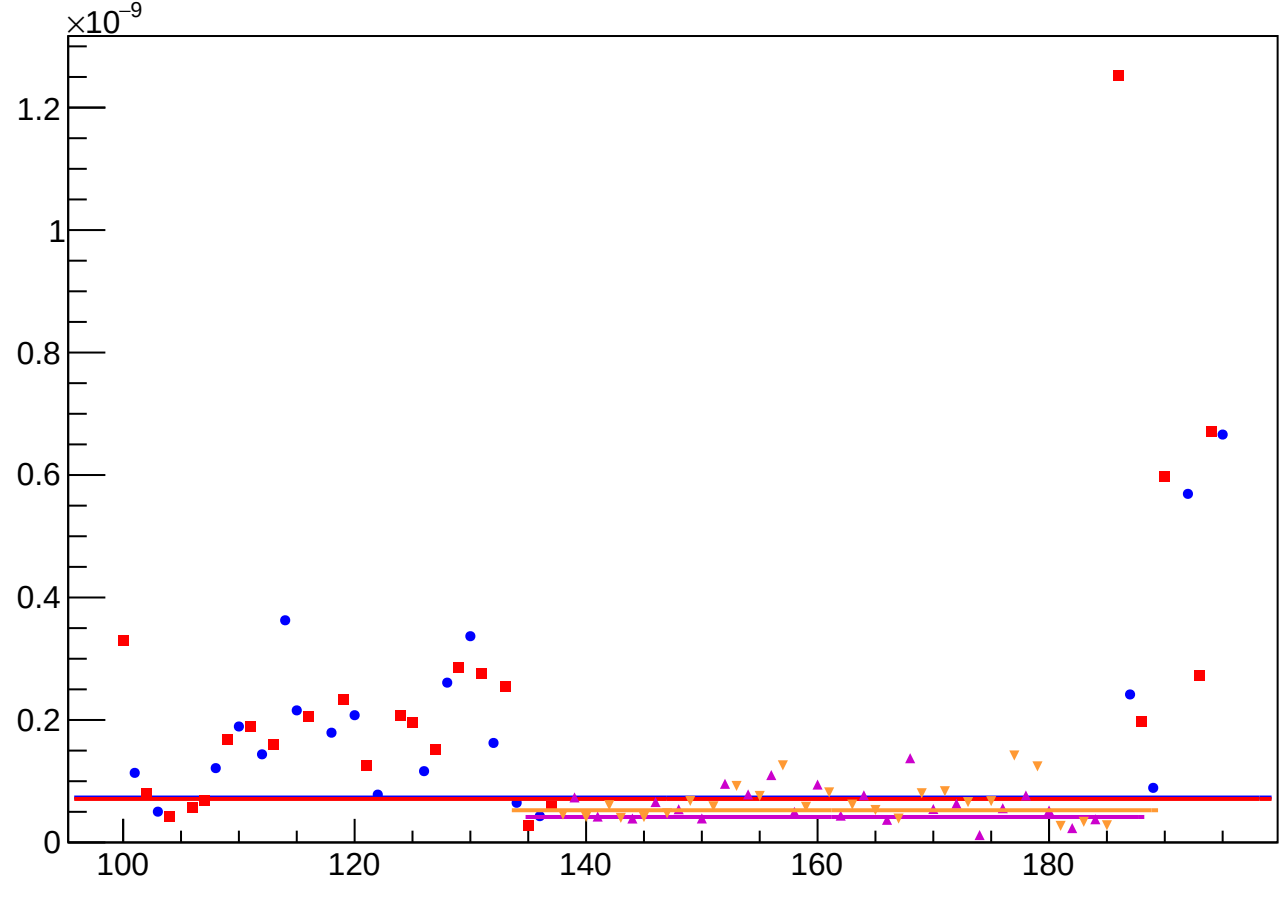
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 45.9/43

In: -0.000+/-0.000 χ^2/NDF:27.6/42

Out: -0.000+/-0.000 χ^2/NDF:65.5/48

All: -0.000+/-0.000 χ^2/NDF: 93.2/91



Right In: 0.000+/-0.000 χ^2/NDF: 3053274.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4388772.7/23

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

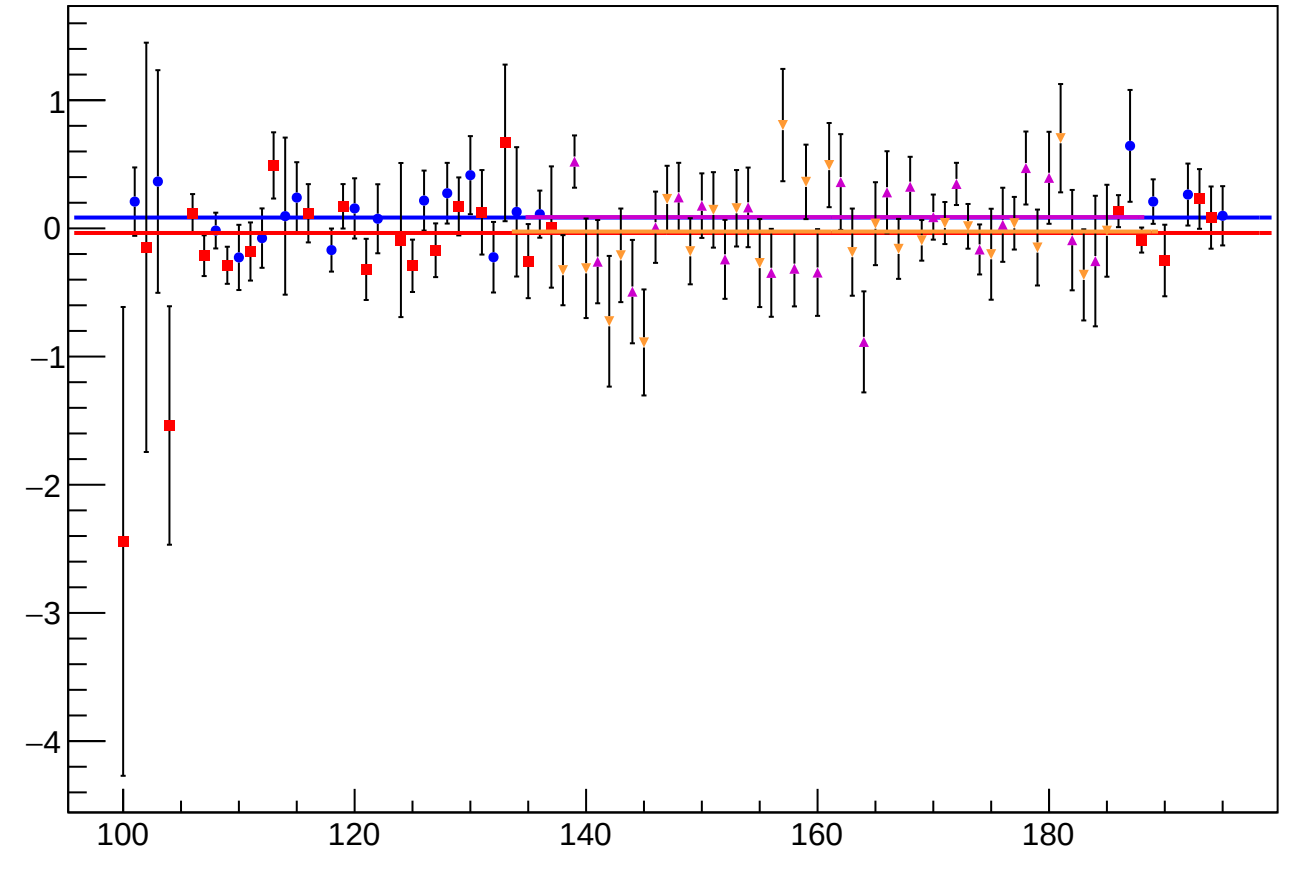
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7444280.7/43

In: 0.000+/-0.000 χ^2/NDF:6744946.8/42

Out: 0.000+/-0.000 χ^2/NDF:6241646.4/48

All: 0.000+/-0.000 χ^2/NDF: 13241390.8/91



Right In: 0.085+/-0.053 χ^2/NDF: 11.7/19

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.036+/-0.043 χ^2/NDF: 26.8/23

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

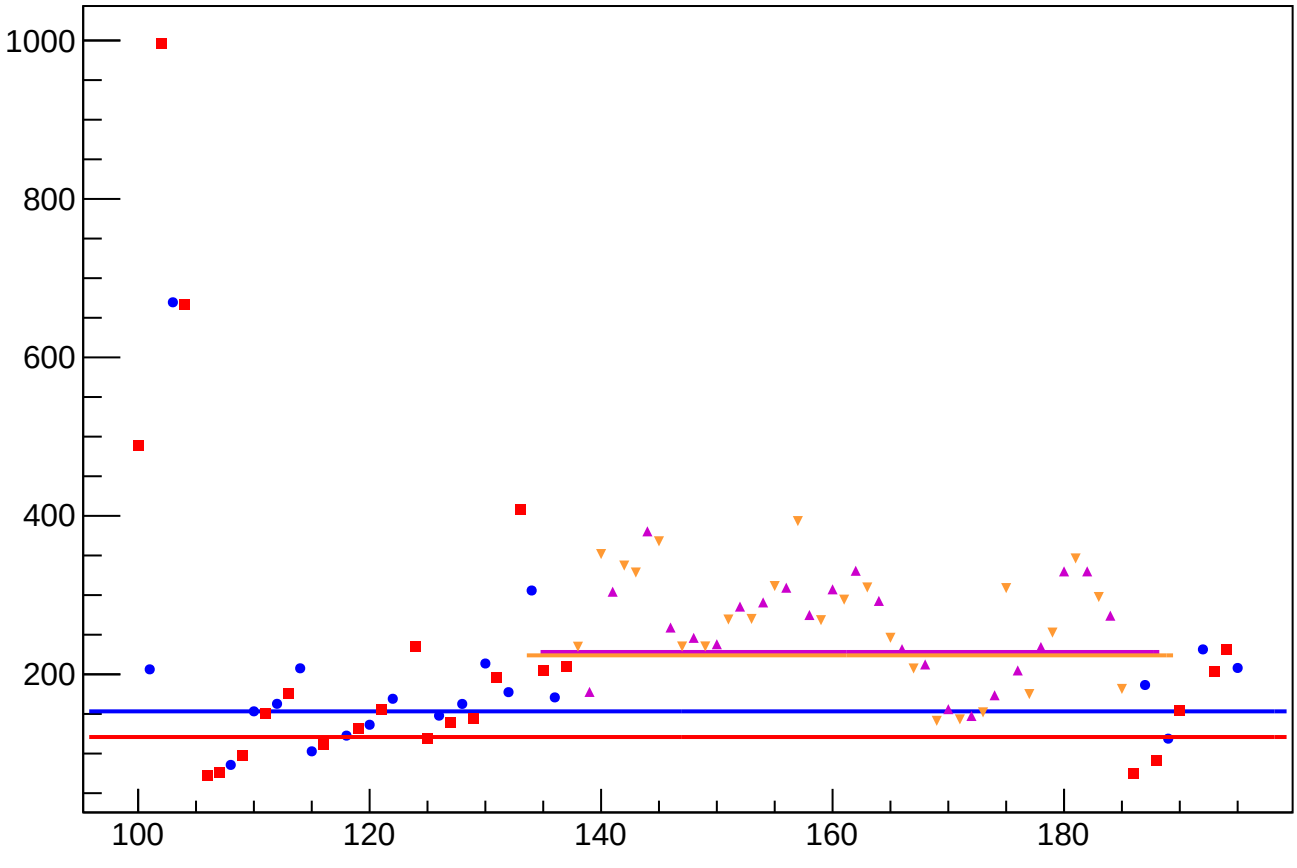
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.011+/-0.033 χ^2/NDF: 41.6/43

In: 0.086+/-0.039 χ^2/NDF:41.7/42

Out: -0.032+/-0.034 χ^2/NDF:50.9/48

All: 0.019+/-0.025 χ^2/NDF: 97.8/91



Right In: 153.264+/-0.038 χ^2/NDF: 2136057.5/19

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 120.868+/-0.030 χ^2/NDF: 4028802.6/23

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

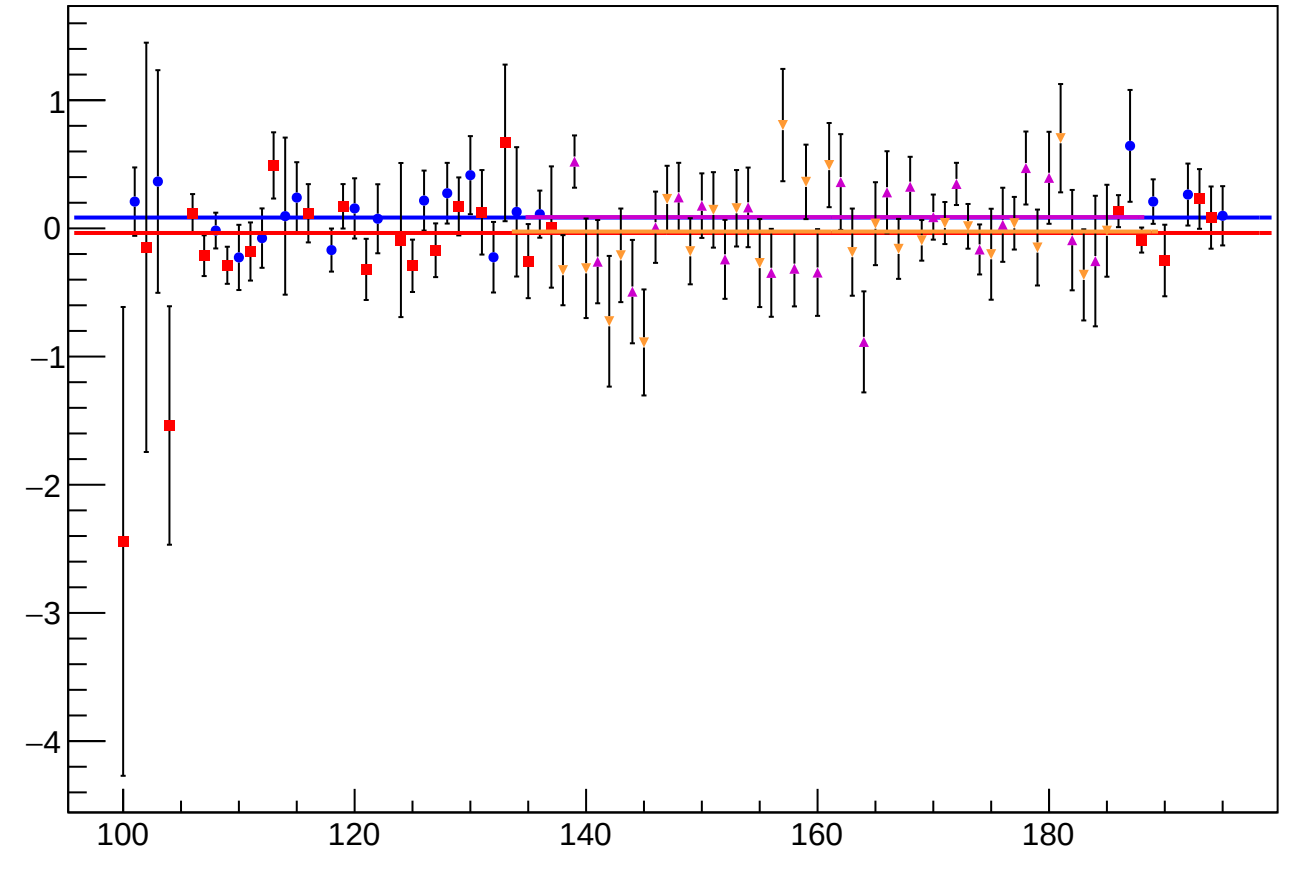
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 133.483+/-0.024 χ^2/NDF: 6615737.5/43

In: 188.458+/-0.027 χ^2/NDF:6480371.4/42

Out: 159.846+/-0.024 χ^2/NDF:11899884.2/48

All: 172.087+/-0.018 χ^2/NDF: 19001617.8/91



Right In: 0.085+/-0.053 χ^2/NDF: 11.7/19

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.036+/-0.043 χ^2/NDF: 26.8/23

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

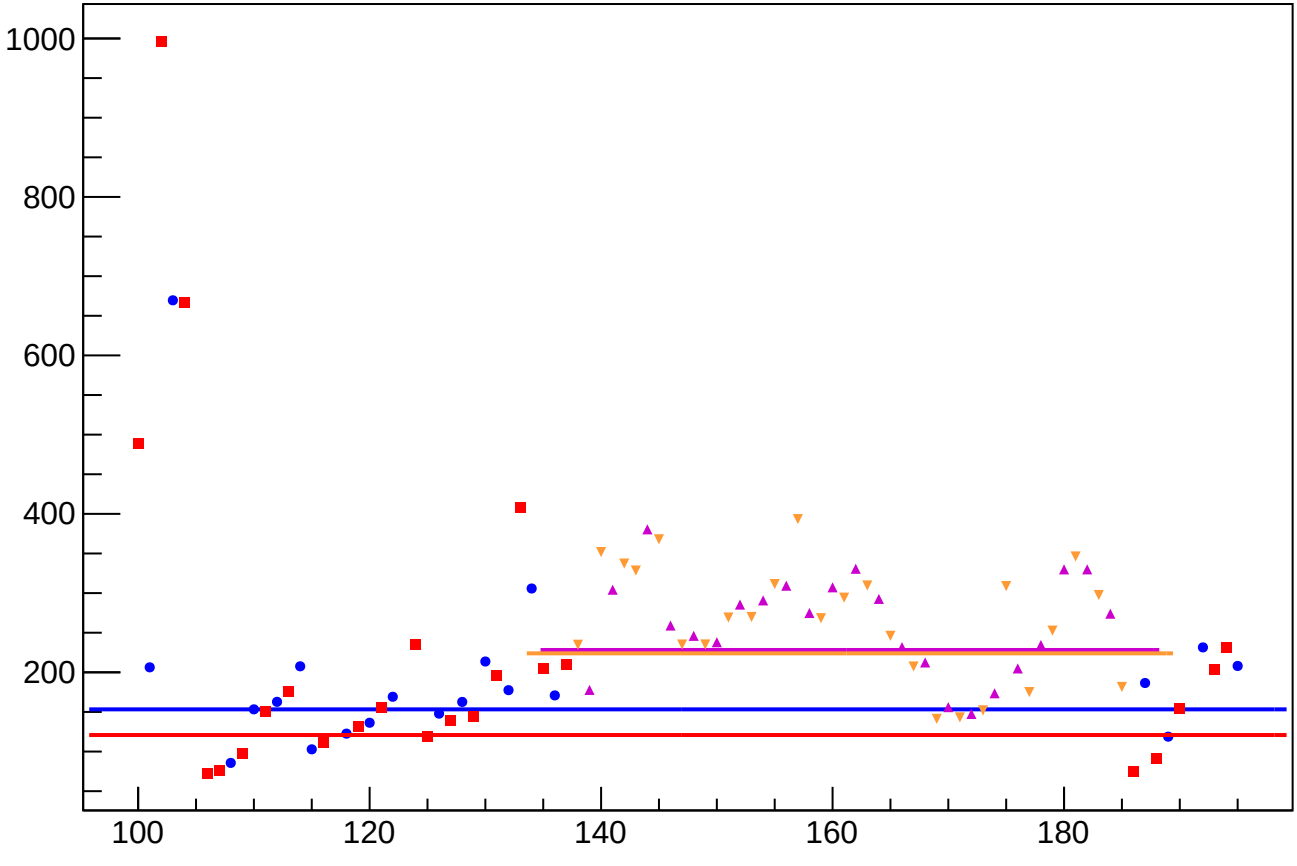
Right: 0.011+/-0.033 χ^2/NDF: 41.6/43

In: 0.086+/-0.039 χ^2/NDF:41.7/42

Out: -0.032+/-0.034 χ^2/NDF:50.9/48

All: 0.019+/-0.025 χ^2/NDF: 97.8/91

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.264+/-0.038 χ^2/NDF: 2136057.5/19

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 120.868+/-0.030 χ^2/NDF: 4028802.6/23

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

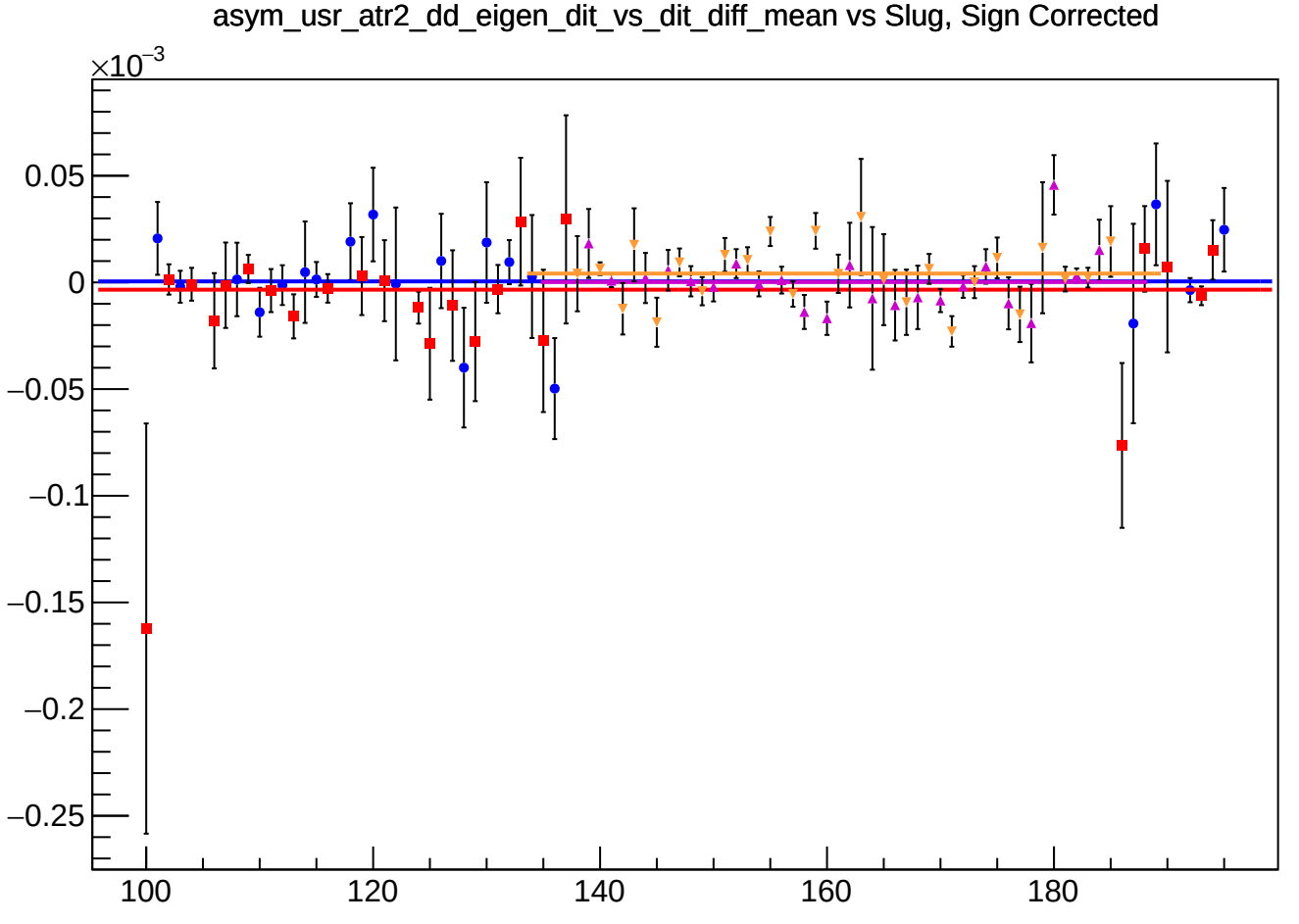
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 133.483+/-0.024 χ^2/NDF: 6615737.5/43

In: 188.458+/-0.027 χ^2/NDF:6480371.4/42

Out: 159.846+/-0.024 χ^2/NDF:11899884.2/48

All: 172.087+/-0.018 χ^2/NDF: 19001617.8/91



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/23

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

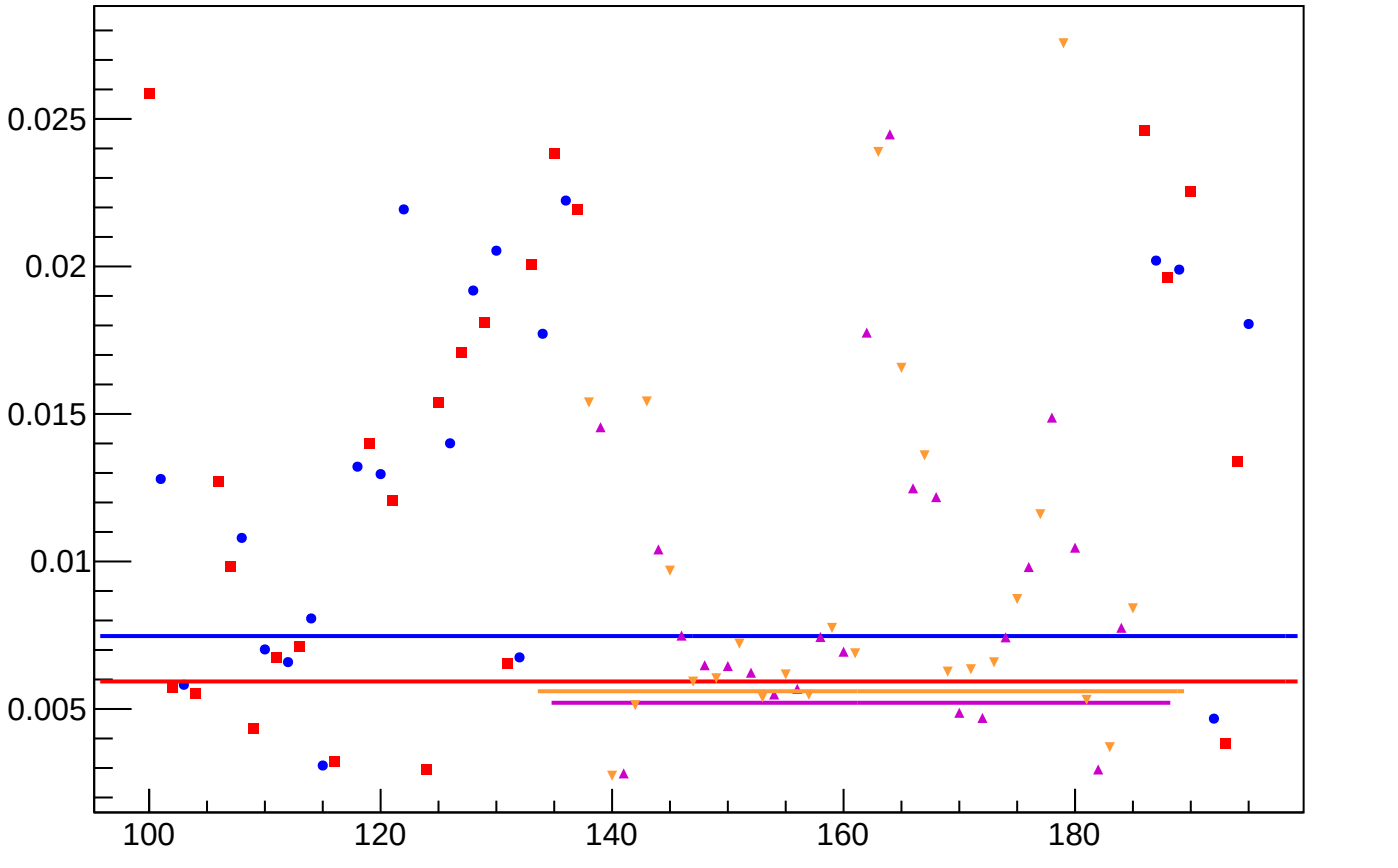
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 38.7/43

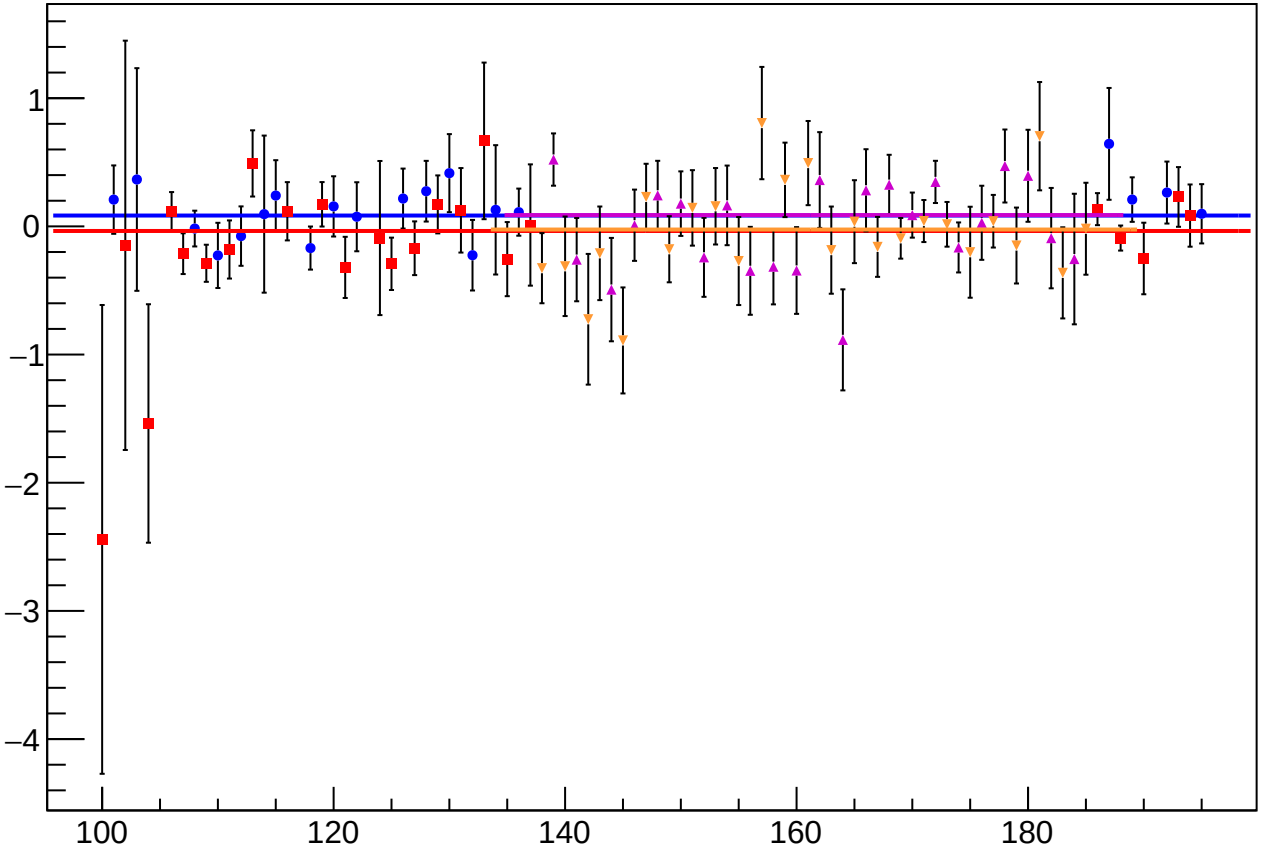
In: 0.000+/-0.000 χ^2/NDF:48.2/42

Out: 0.000+/-0.000 χ^2/NDF:76.4/48

All: 0.000+/-0.000 χ^2/NDF: 125.4/91


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.007+/-0.000 χ²/NDF: 5212222.2/19
Left Out: 0.006+/-0.000 χ²/NDF:7769287.5/24
Right Out: 0.006+/-0.000 χ²/NDF: 6779273.7/23
Left In: 0.005+/-0.000 χ²/NDF:7460452.2/22
Left: 0.005+/-0.000 χ²/NDF: 15302092.7/47
Right: 0.006+/-0.000 χ²/NDF: 12347633.7/43
In: 0.006+/-0.000 χ²/NDF:13649793.3/42
Out: 0.006+/-0.000 χ²/NDF:14579860.2/48
All: 0.006+/-0.000 χ²/NDF: 28231147.5/91

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 11.7/19

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.036+/-0.043 χ^2/NDF: 26.8/23

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

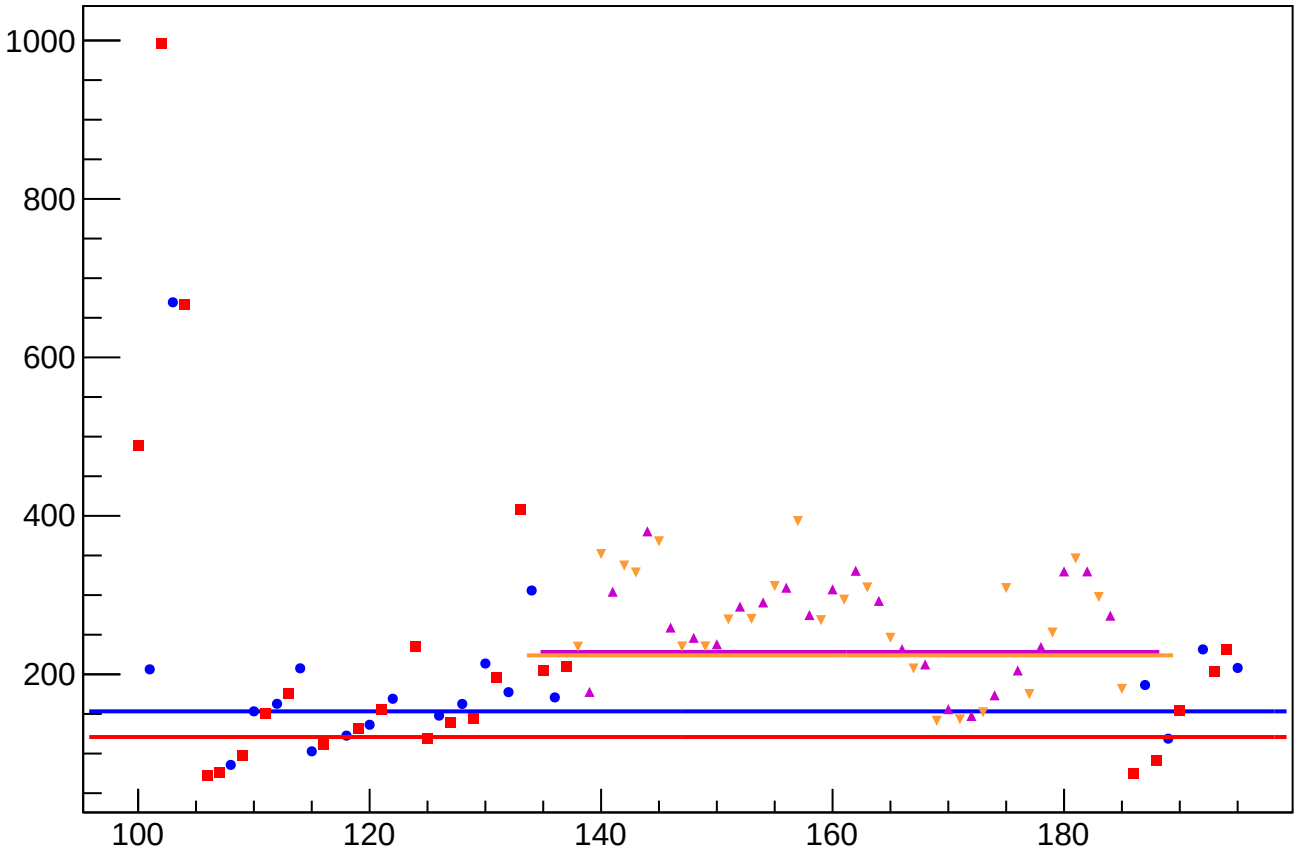
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.011+/-0.033 χ^2/NDF: 41.6/43

In: 0.086+/-0.039 χ^2/NDF:41.7/42

Out: -0.032+/-0.034 χ^2/NDF:50.9/48

All: 0.019+/-0.025 χ^2/NDF: 97.9/91



Right In: 153.261+/-0.038 χ^2/NDF: 2136182.8/19

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 120.872+/-0.030 χ^2/NDF: 4028438.6/23

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

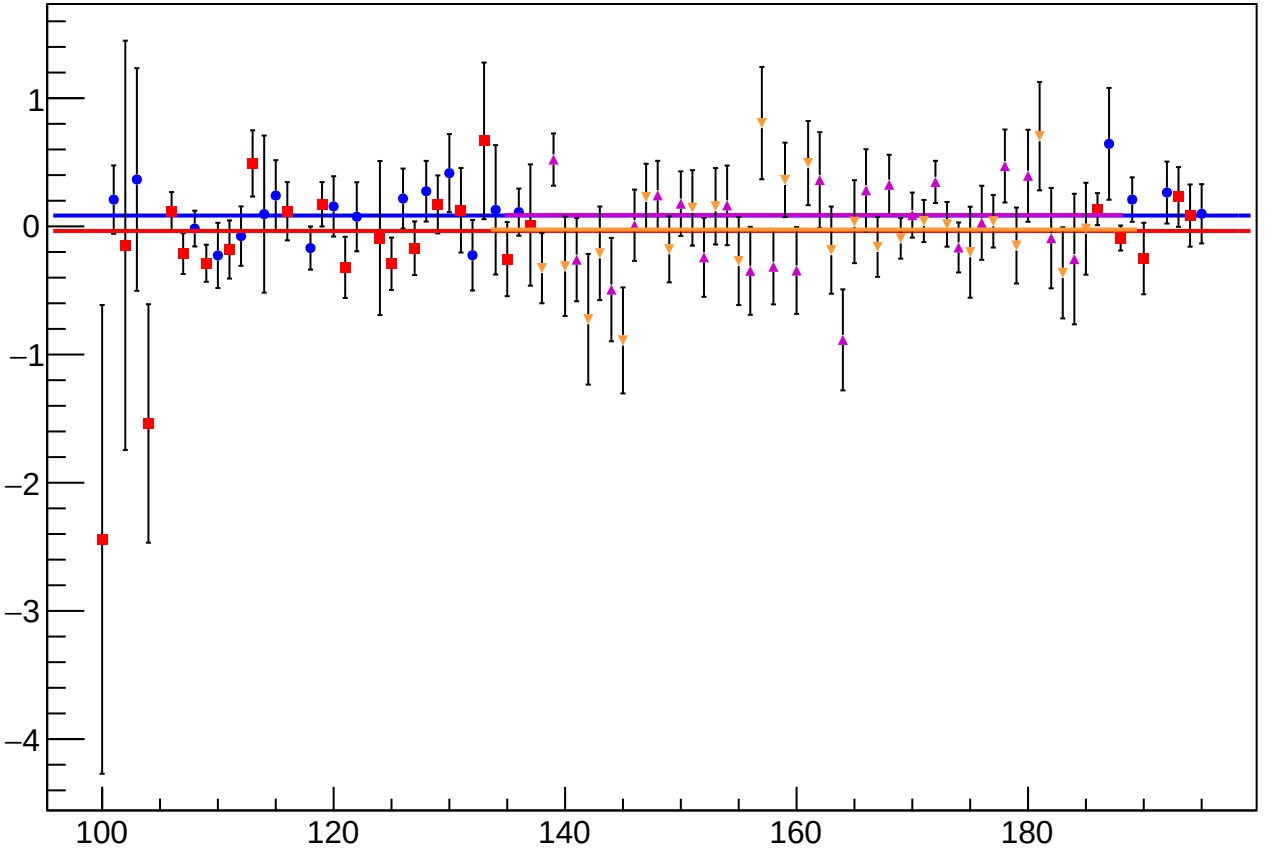
Right: 133.485+/-0.024 χ^2/NDF: 6615266.2/43

In: 188.456+/-0.027 χ^2/NDF:6480811.0/42

Out: 159.851+/-0.024 χ^2/NDF:11899189.9/48

All: 172.089+/-0.018 χ^2/NDF: 19001073.5/91

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 11.7/19

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.036+/-0.043 χ^2/NDF: 26.8/23

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

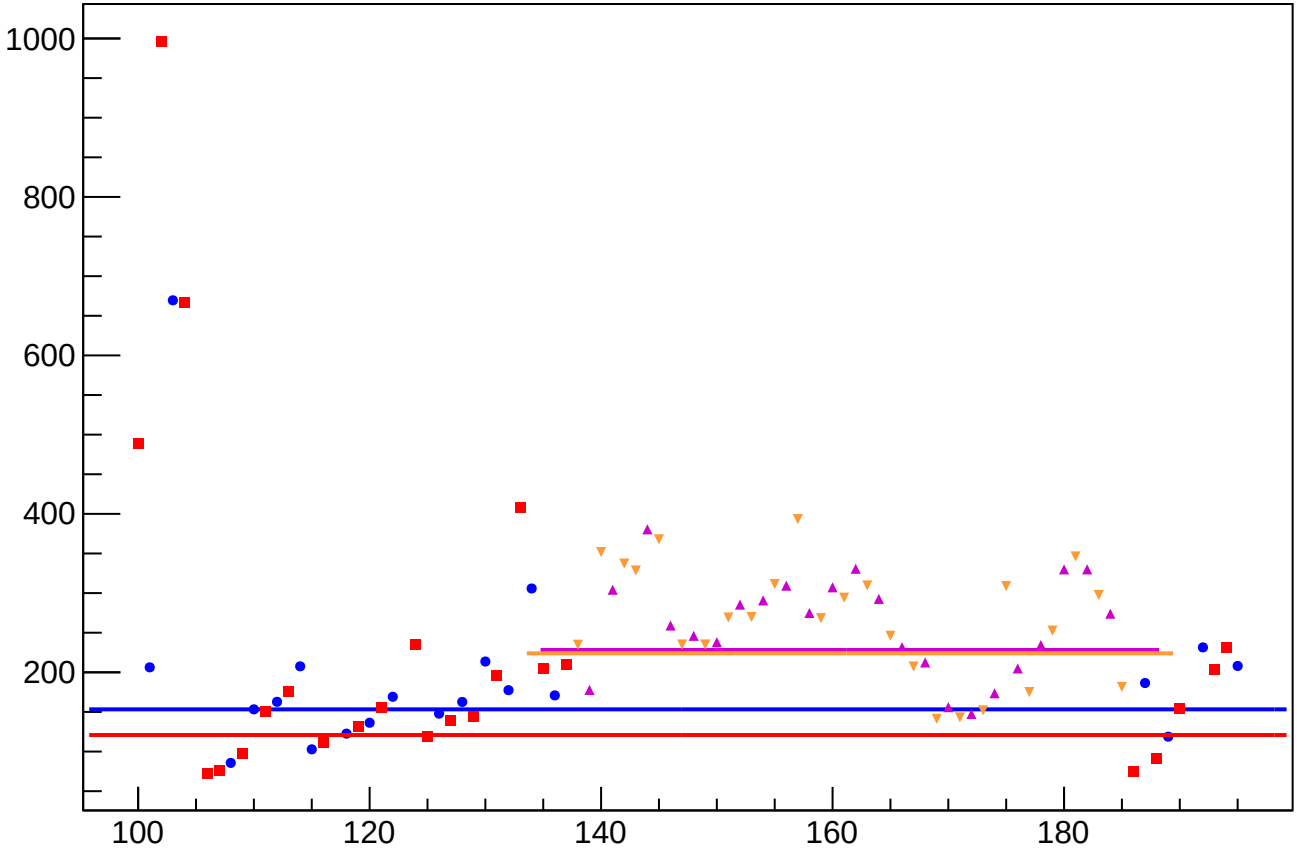
Right: 0.011+/-0.033 χ^2/NDF: 41.6/43

In: 0.086+/-0.039 χ^2/NDF:41.7/42

Out: -0.032+/-0.034 χ^2/NDF:50.9/48

All: 0.019+/-0.025 χ^2/NDF: 97.9/91

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.261+/-0.038 χ^2/NDF: 2136182.8/19

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 120.872+/-0.030 χ^2/NDF: 4028438.6/23

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

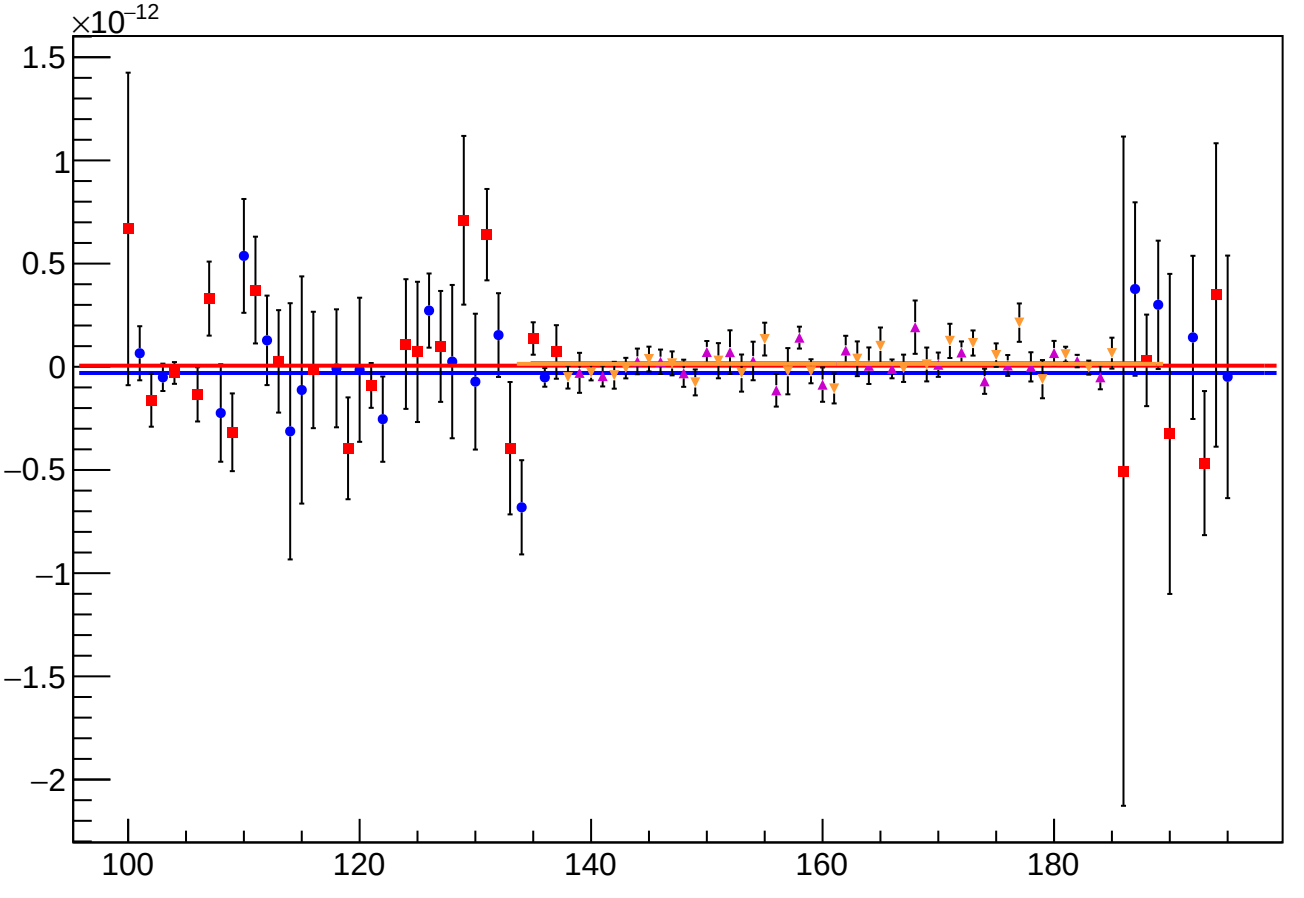
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 133.485+/-0.024 χ^2/NDF: 6615266.2/43

In: 188.456+/-0.027 χ^2/NDF:6480811.0/42

Out: 159.851+/-0.024 χ^2/NDF:11899189.9/48

All: 172.089+/-0.018 χ^2/NDF: 19001073.5/91



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/23

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

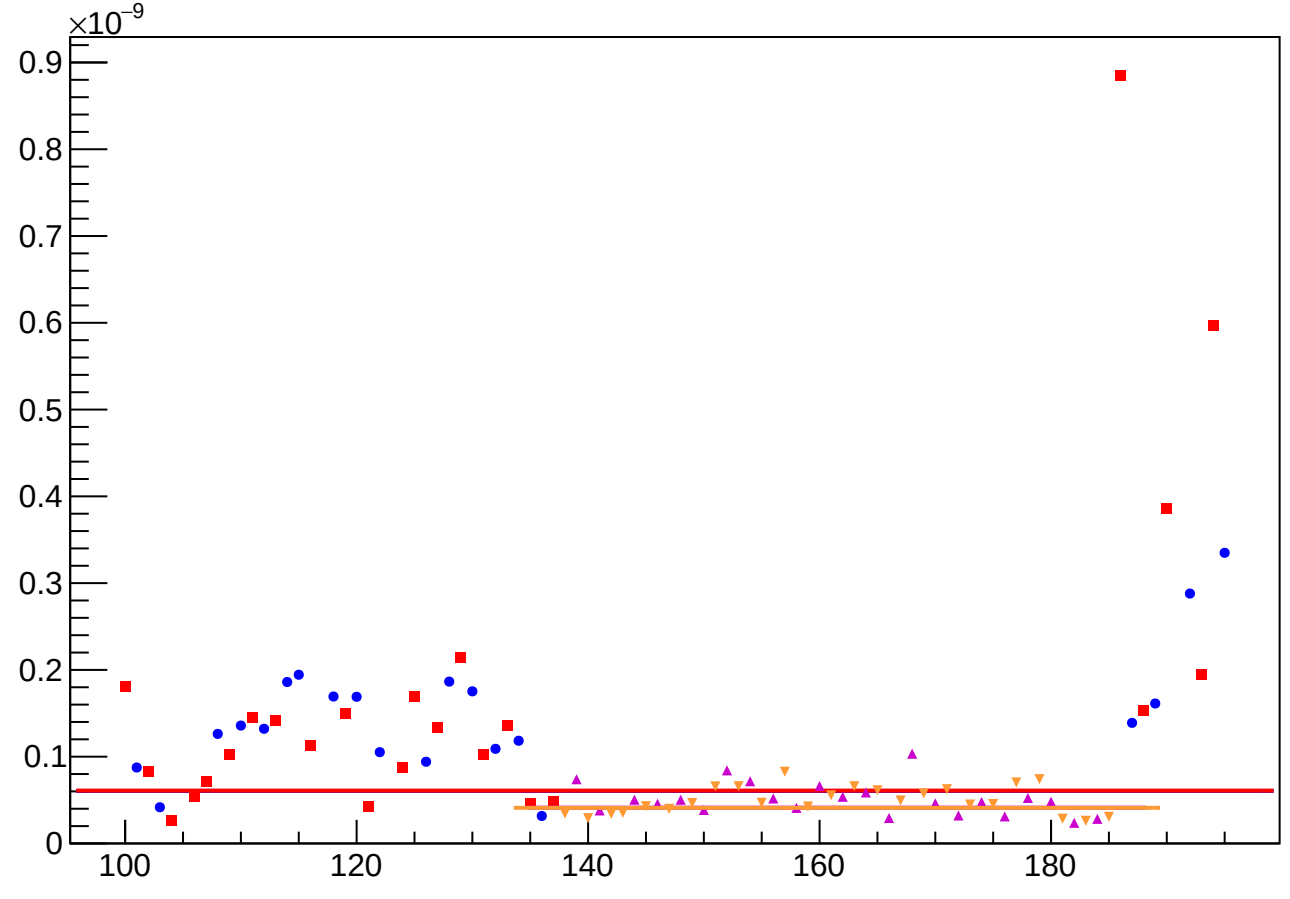
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 56.5/43

In: 0.000+/-0.000 χ^2/NDF:45.4/42

Out: 0.000+/-0.000 χ^2/NDF:59.5/48

All: 0.000+/-0.000 χ^2/NDF: 104.9/91



Right In: 0.000+/-0.000 χ^2/NDF: 4520362.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5353718.5/23

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

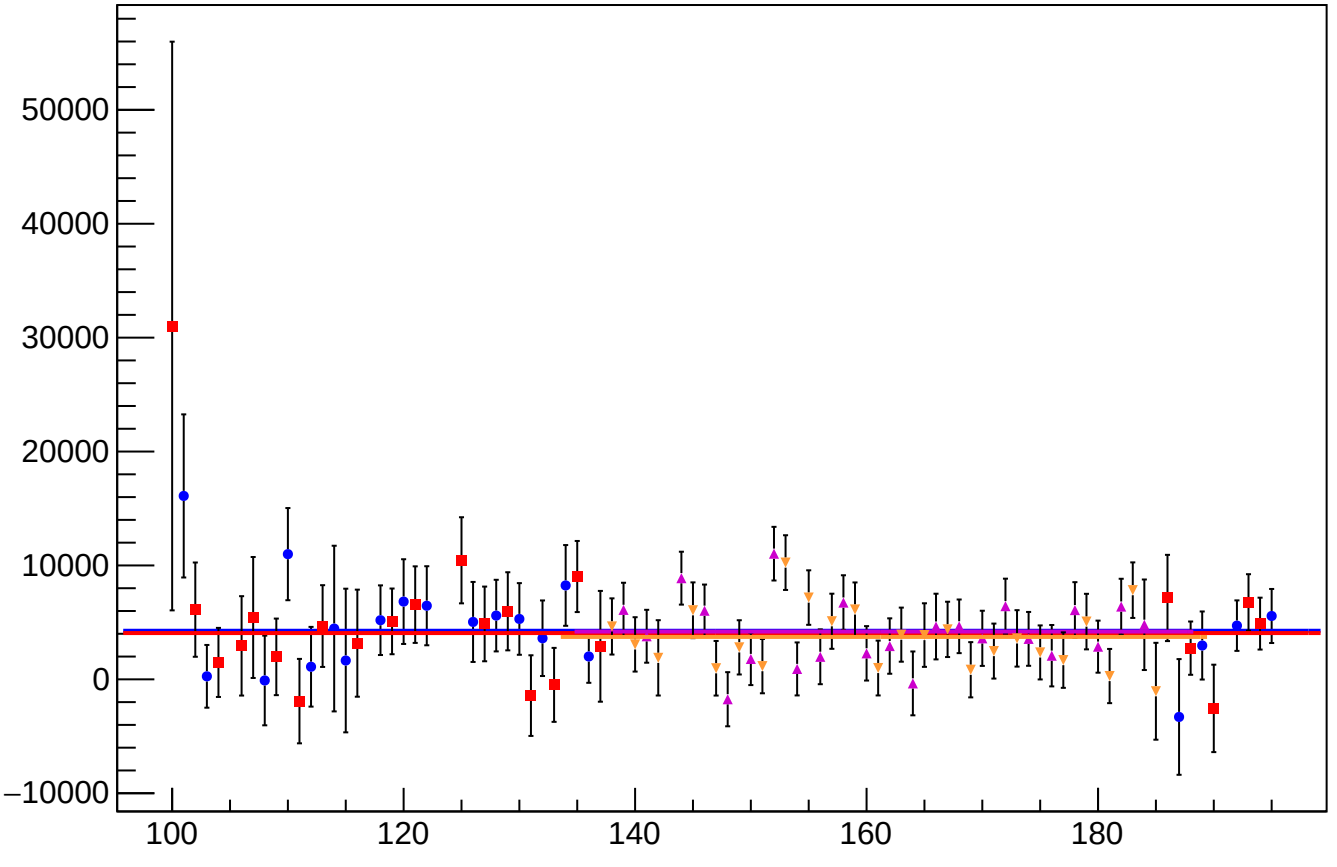
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9874208.4/43

In: 0.000+/-0.000 χ^2/NDF:8014432.9/42

Out: 0.000+/-0.000 χ^2/NDF:8688289.8/48

All: 0.000+/-0.000 χ^2/NDF: 16702925.8/91



Right In: 4265.244+/-737.705 χ^2/NDF: 16.1/19

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4062.822+/-708.396 χ^2/NDF: 21.4/22

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

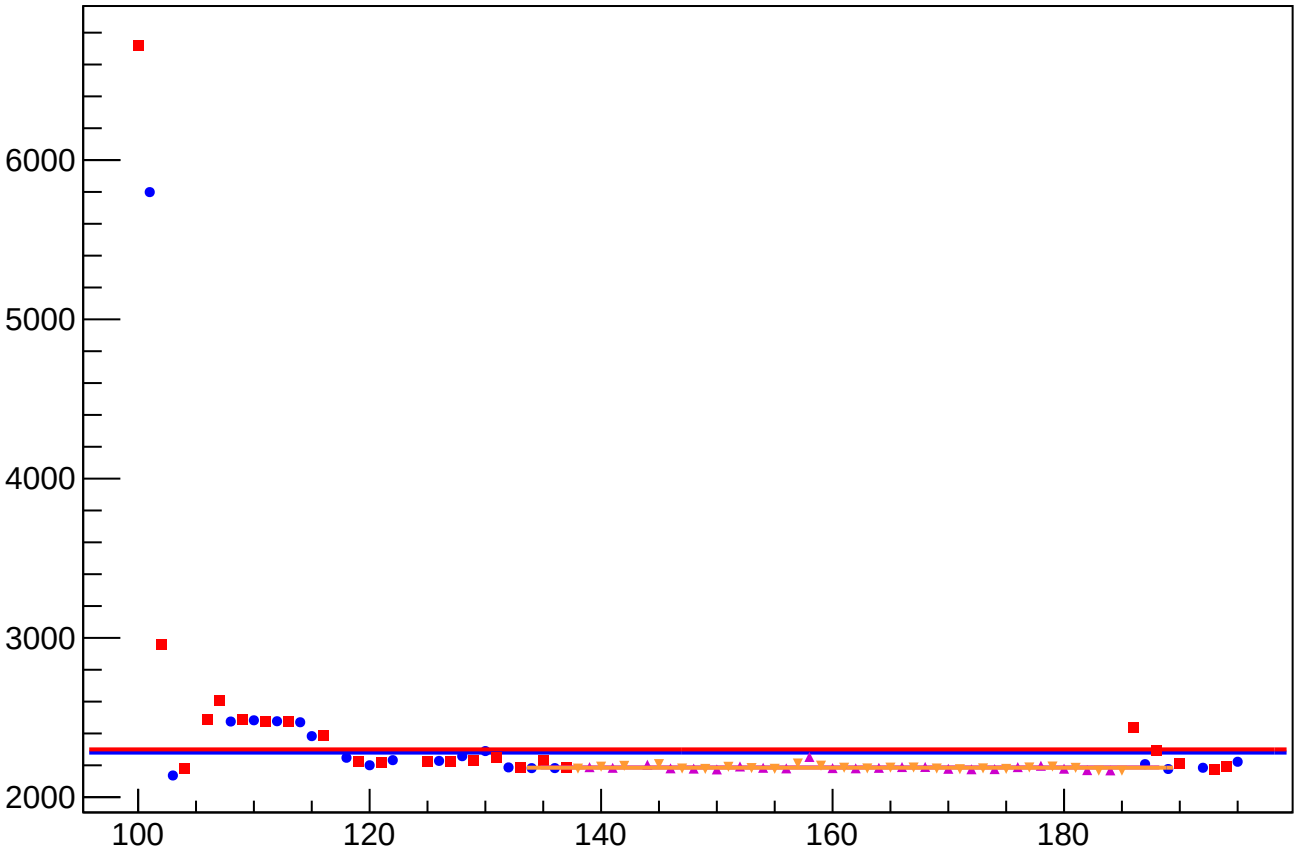
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4159.932+/-510.959 χ^2/NDF: 37.6/42

In: 4218.387+/-419.831 χ^2/NDF:48.2/42

Out: 3838.474+/-412.370 χ^2/NDF:47.0/46

All: 4025.025+/-294.192 χ^2/NDF: 95.7/89



Right In: 2279.782+/-0.522 χ^2/NDF: 522964.1/19

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2299.989+/-0.501 χ^2/NDF: 167085.3/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

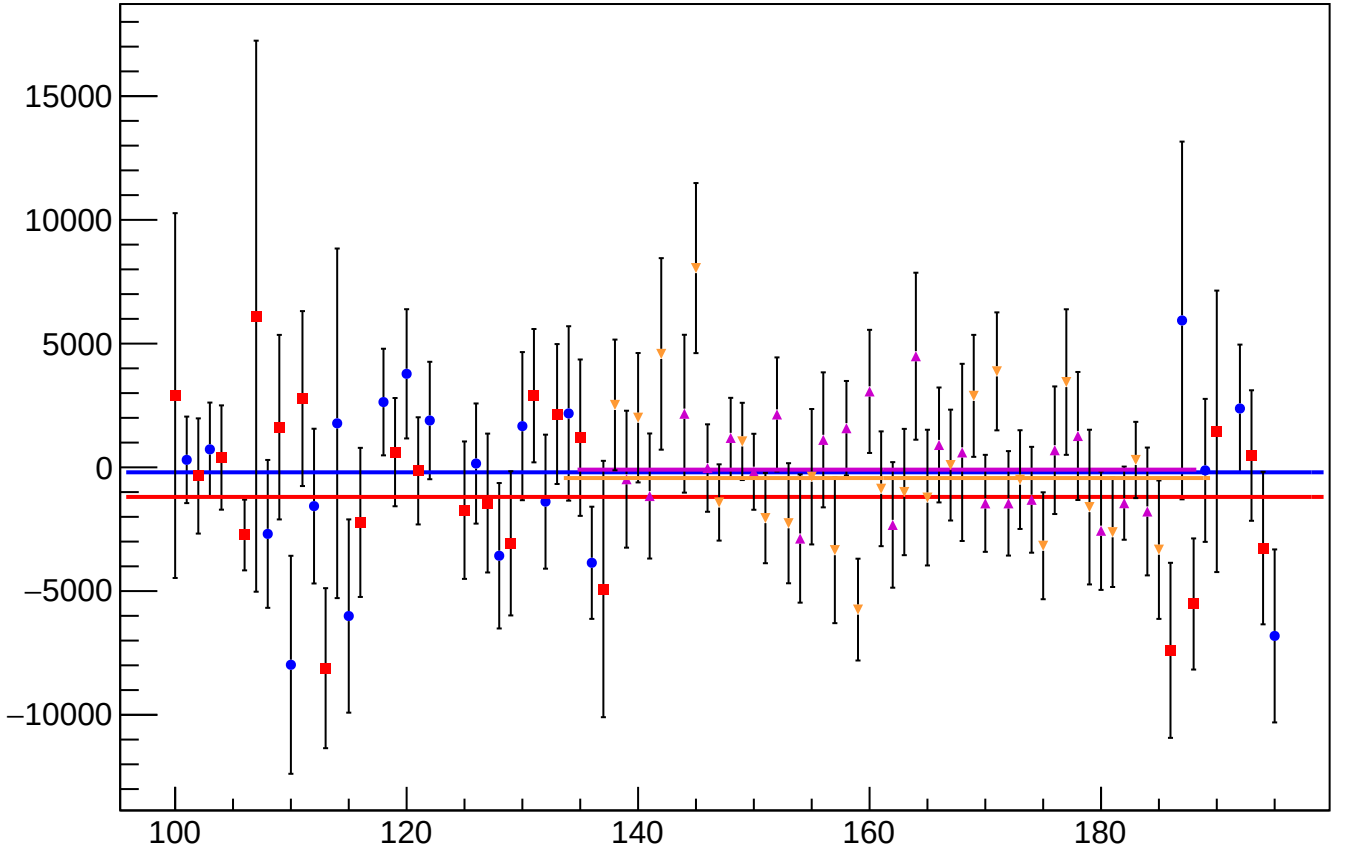
Right: 2290.295+/-0.361 χ^2/NDF: 690830.1/42

In: 2216.878+/-0.297 χ^2/NDF:546535.6/42

Out: 2224.053+/-0.292 χ^2/NDF:202660.3/46

All: 2220.530+/-0.208 χ^2/NDF: 749493.2/89

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -200.580+/-611.058 χ^2/NDF: 21.7/19

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1195.288+/-578.962 χ^2/NDF: 22.1/22

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

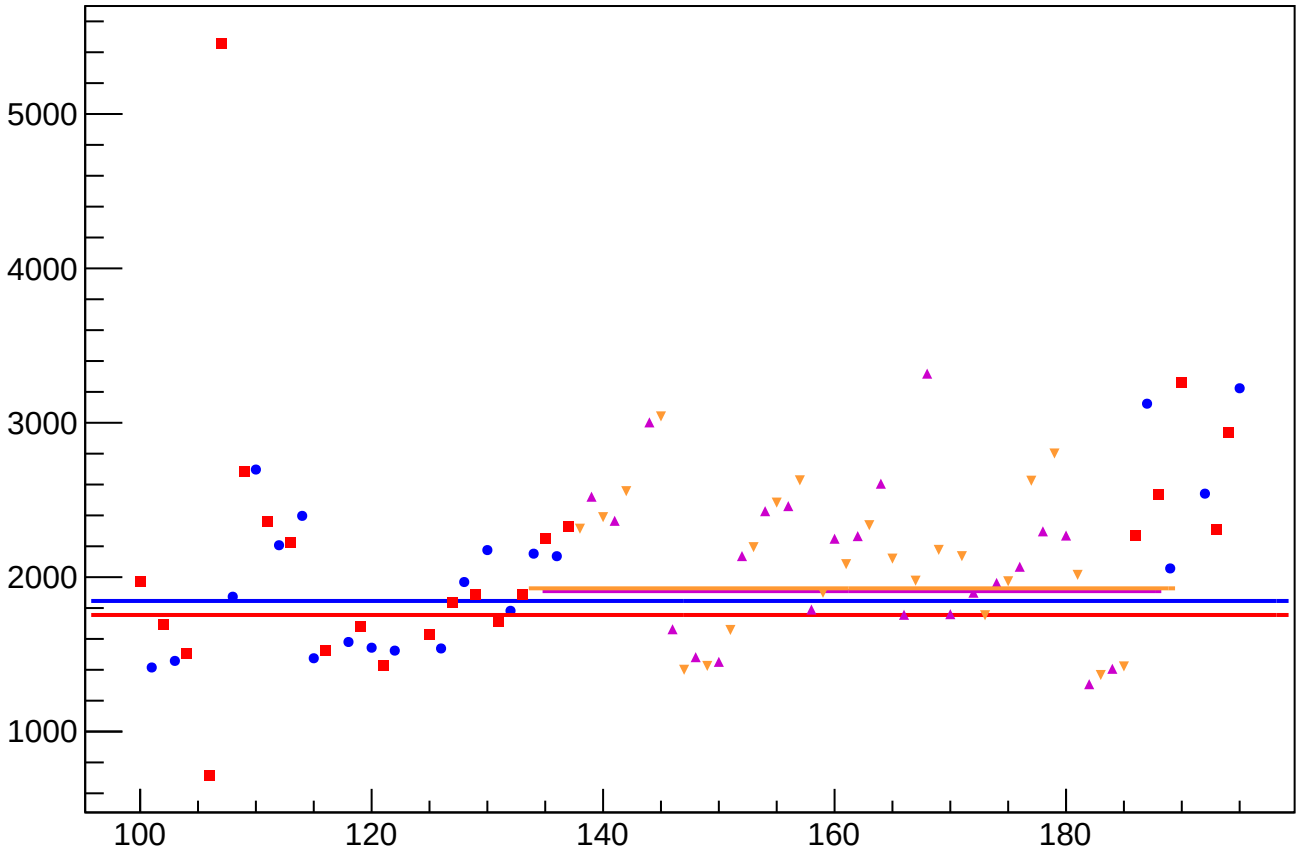
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

Right: -724.742+/-420.277 χ^2/NDF: 45.2/42

In: -131.762+/-367.848 χ^2/NDF:34.5/42

Out: -729.426+/-361.300 χ^2/NDF:54.5/46

All: -435.960+/-257.761 χ^2/NDF: 90.3/89



Right In: 1845.894+/-0.432 χ^2/NDF: 1069402.2/19

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1755.099+/-0.409 χ^2/NDF: 2423612.1/22

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

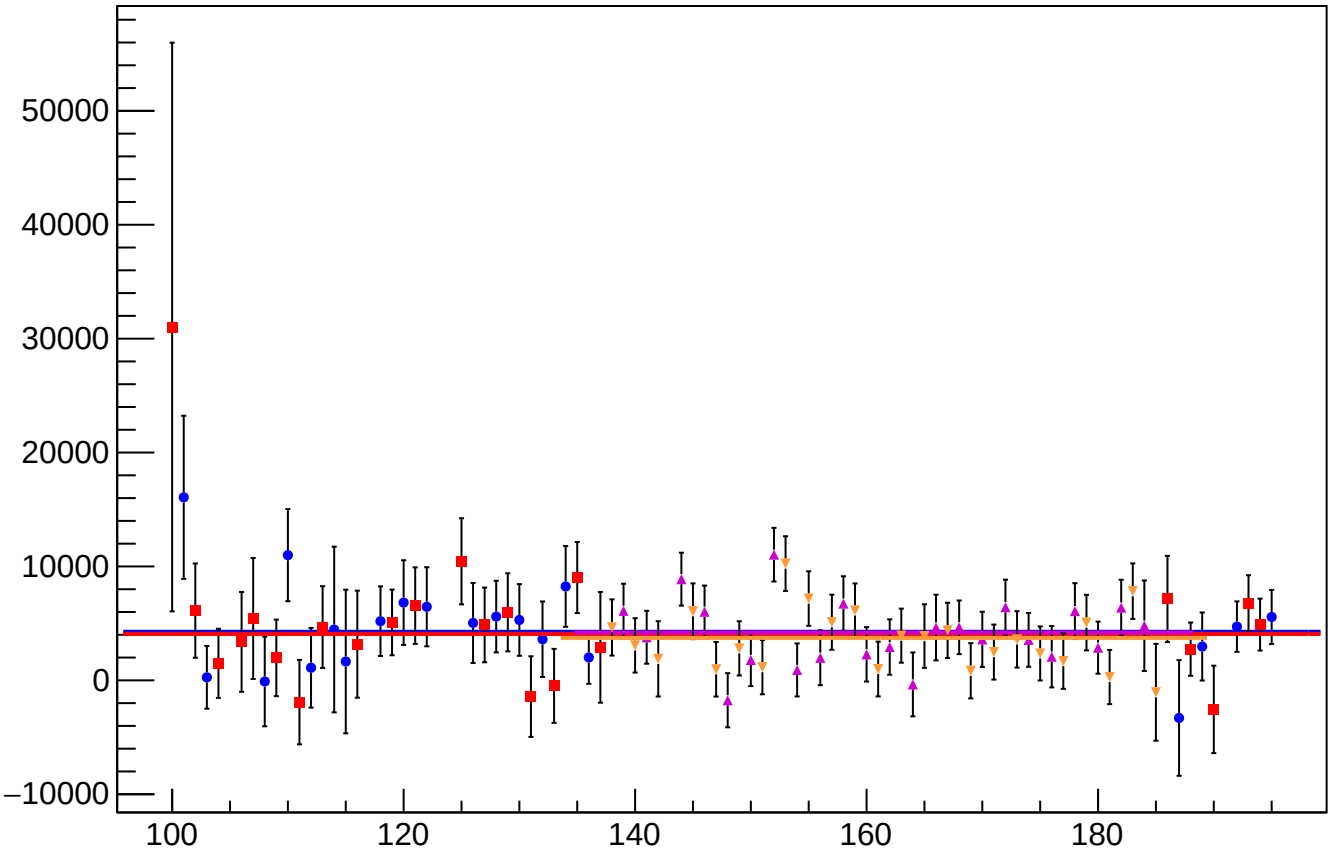
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1798.050+/-0.297 χ^2/NDF: 3516282.4/42

In: 1886.522+/-0.260 χ^2/NDF:3025532.9/42

Out: 1860.459+/-0.255 χ^2/NDF:4330474.9/46

All: 1873.256+/-0.182 χ^2/NDF: 7361118.1/89



Right In: 4264.801+/-737.705 χ^2/NDF: 16.1/19

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4074.836+/-708.477 χ^2/NDF: 21.4/22

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

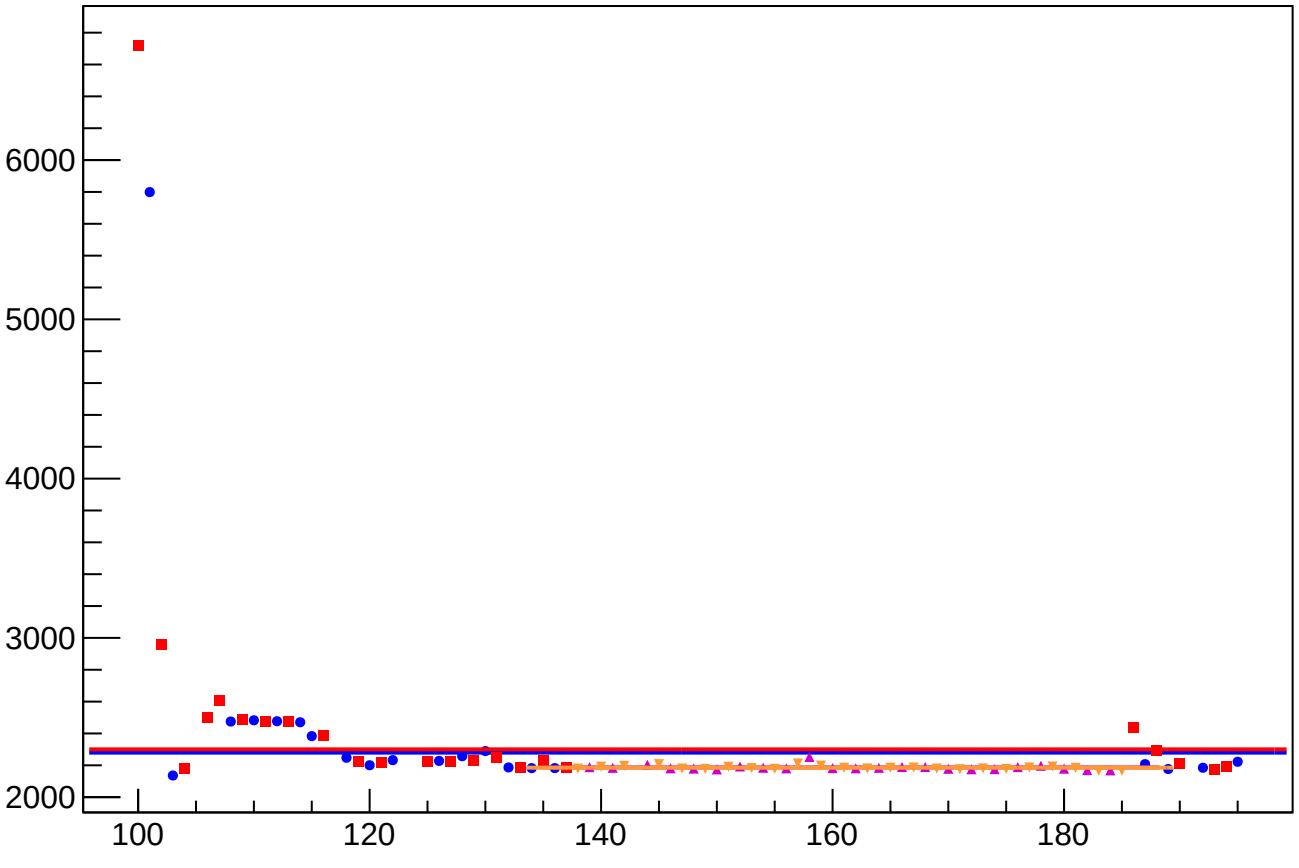
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4165.981+/-510.989 χ^2/NDF: 37.5/42

In: 4218.324+/-419.831 χ^2/NDF:48.2/42

Out: 3842.492+/-412.386 χ^2/NDF:47.0/46

All: 4027.046+/-294.198 χ^2/NDF: 95.6/89



Right In: 2279.782+/-0.522 χ^2/NDF: 522964.5/19

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2300.226+/-0.501 χ^2/NDF: 167489.5/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

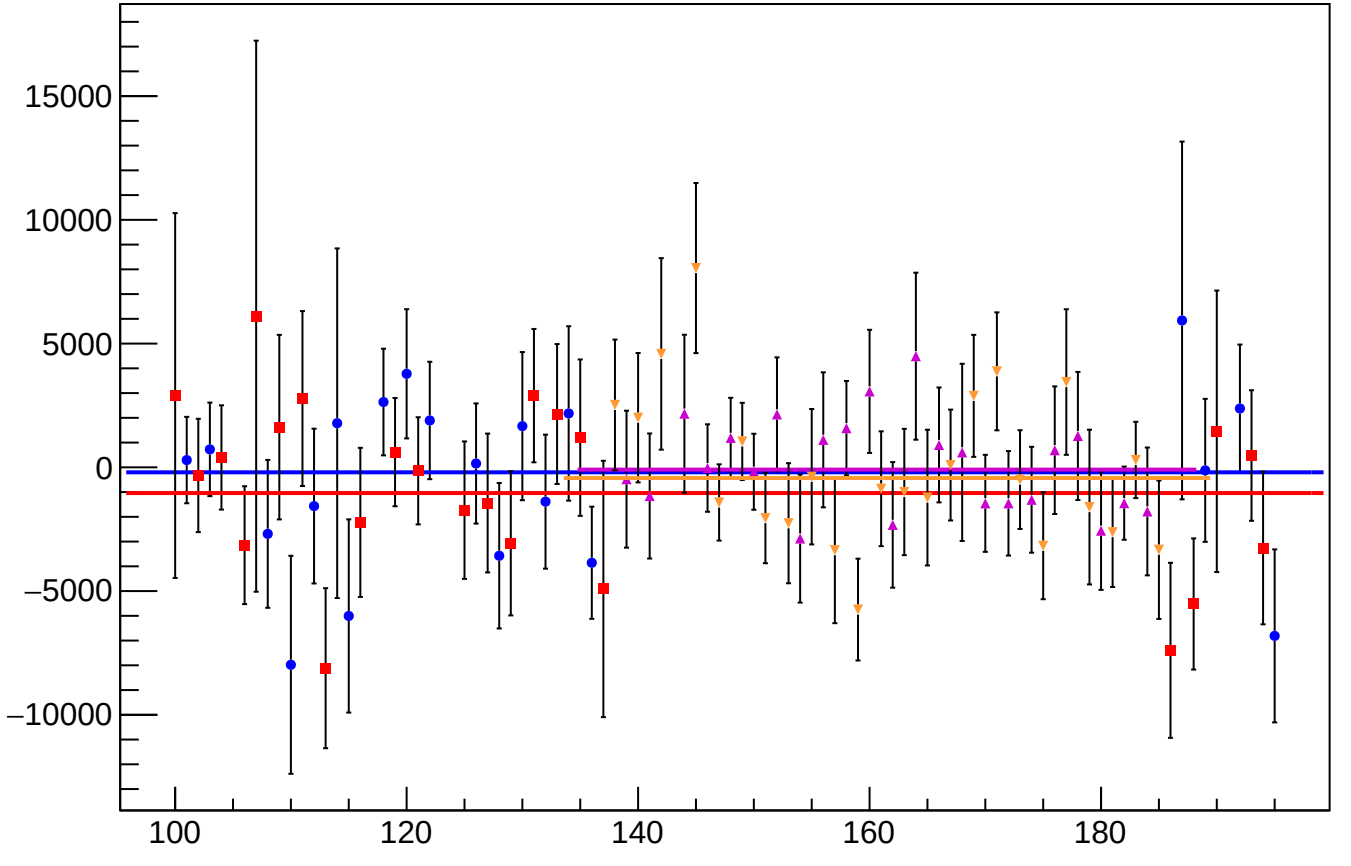
Right: 2290.417+/-0.361 χ^2/NDF: 691253.1/42

In: 2216.878+/-0.297 χ^2/NDF:546536.0/42

Out: 2224.128+/-0.292 χ^2/NDF:203202.9/46

All: 2220.568+/-0.208 χ^2/NDF: 750042.5/89

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -201.477+/-610.955 χ^2/NDF: 21.7/19

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1038.954+/-611.239 χ^2/NDF: 21.6/22

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

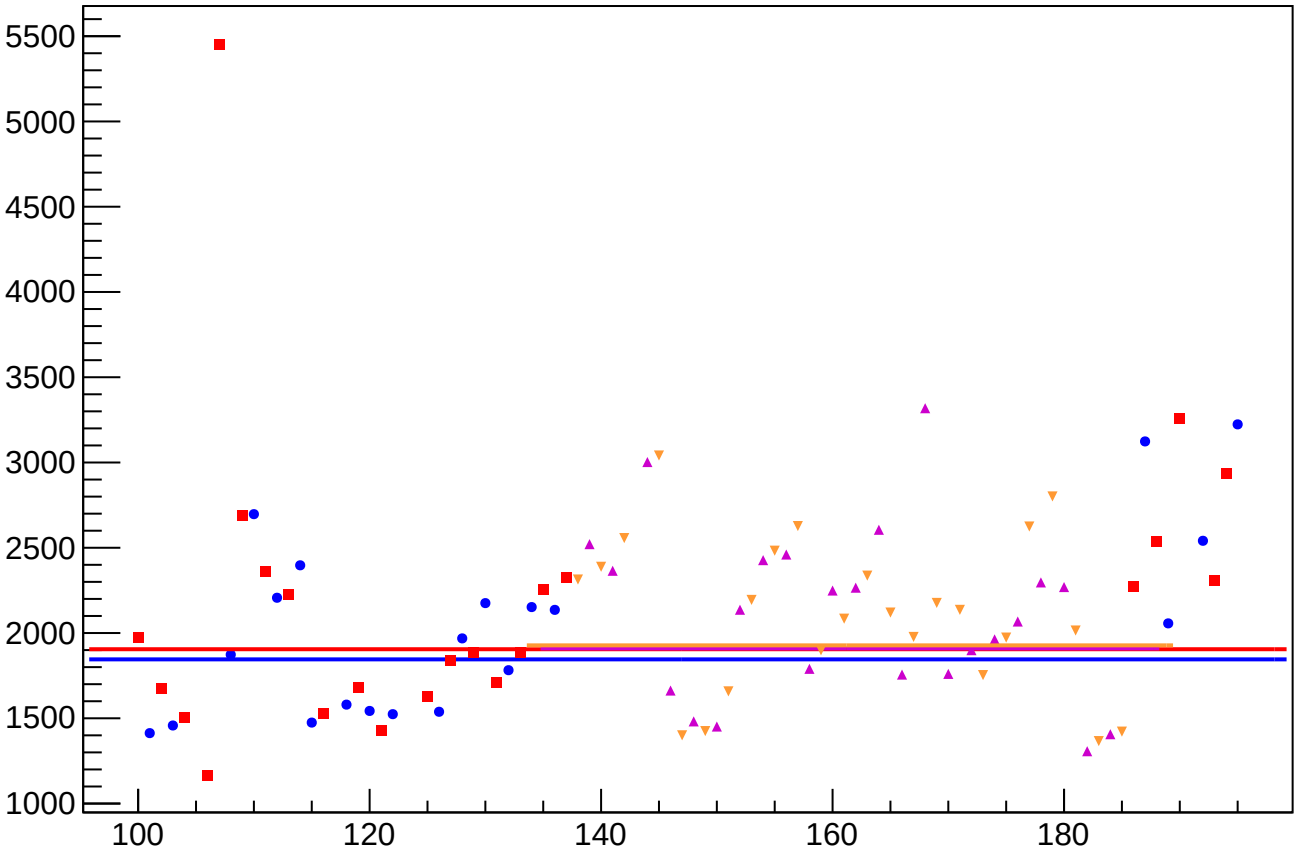
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -620.020+/-432.111 χ^2/NDF: 44.2/42

In: -132.067+/-367.826 χ^2/NDF:34.5/42

Out: -653.115+/-368.758 χ^2/NDF:53.5/46

All: -391.931+/-260.421 χ^2/NDF: 89.0/89



Right In: 1845.520+/-0.432 χ^2/NDF: 1070825.2/19

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1905.039+/-0.432 χ^2/NDF: 1367412.3/22

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

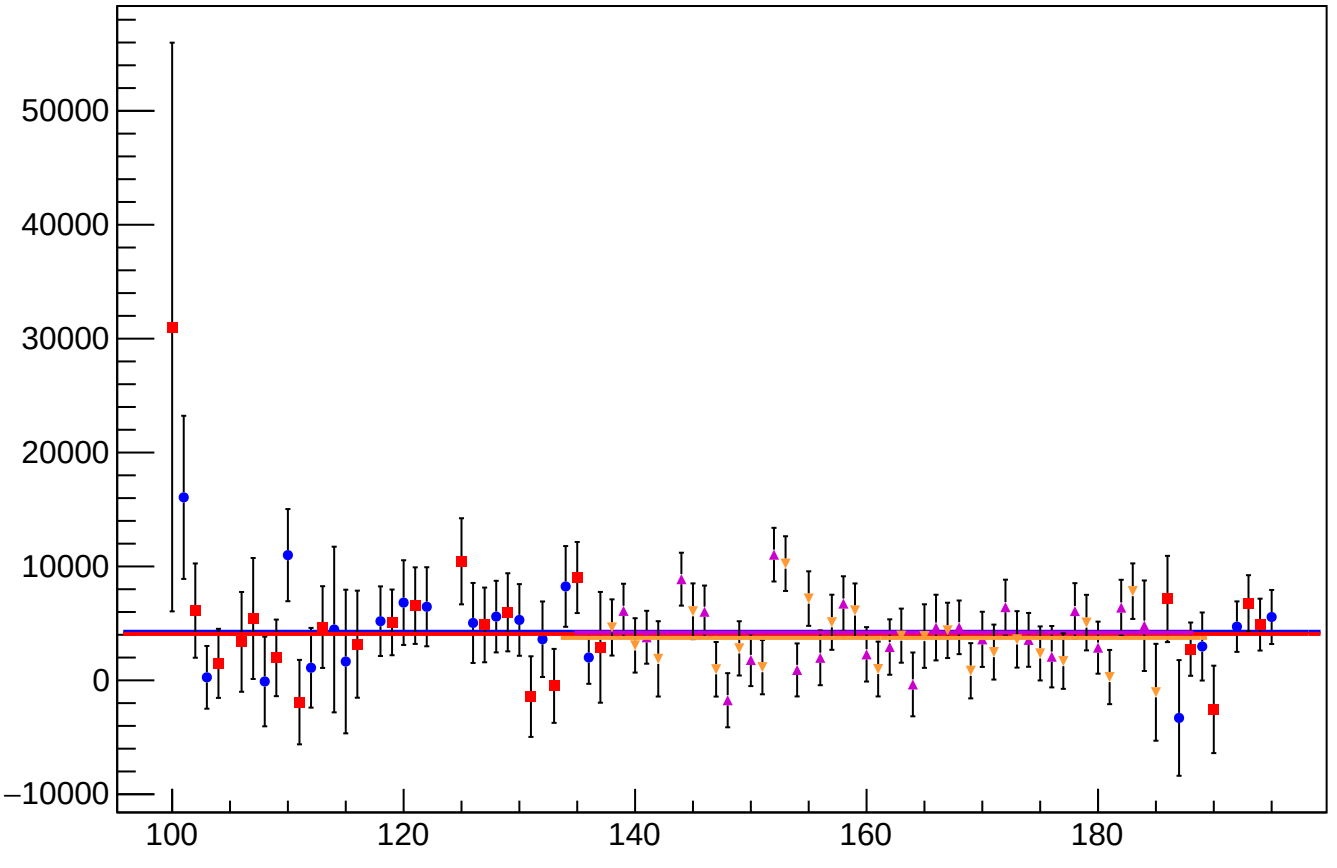
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1875.265+/-0.306 χ^2/NDF: 2447723.7/42

In: 1886.385+/-0.260 χ^2/NDF:3027146.9/42

Out: 1919.426+/-0.261 χ^2/NDF:3167561.6/46

All: 1902.863+/-0.184 χ^2/NDF: 6202757.3/89



Right In: 4264.801+/-737.705 χ^2/NDF: 16.1/19

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4074.836+/-708.477 χ^2/NDF: 21.4/22

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

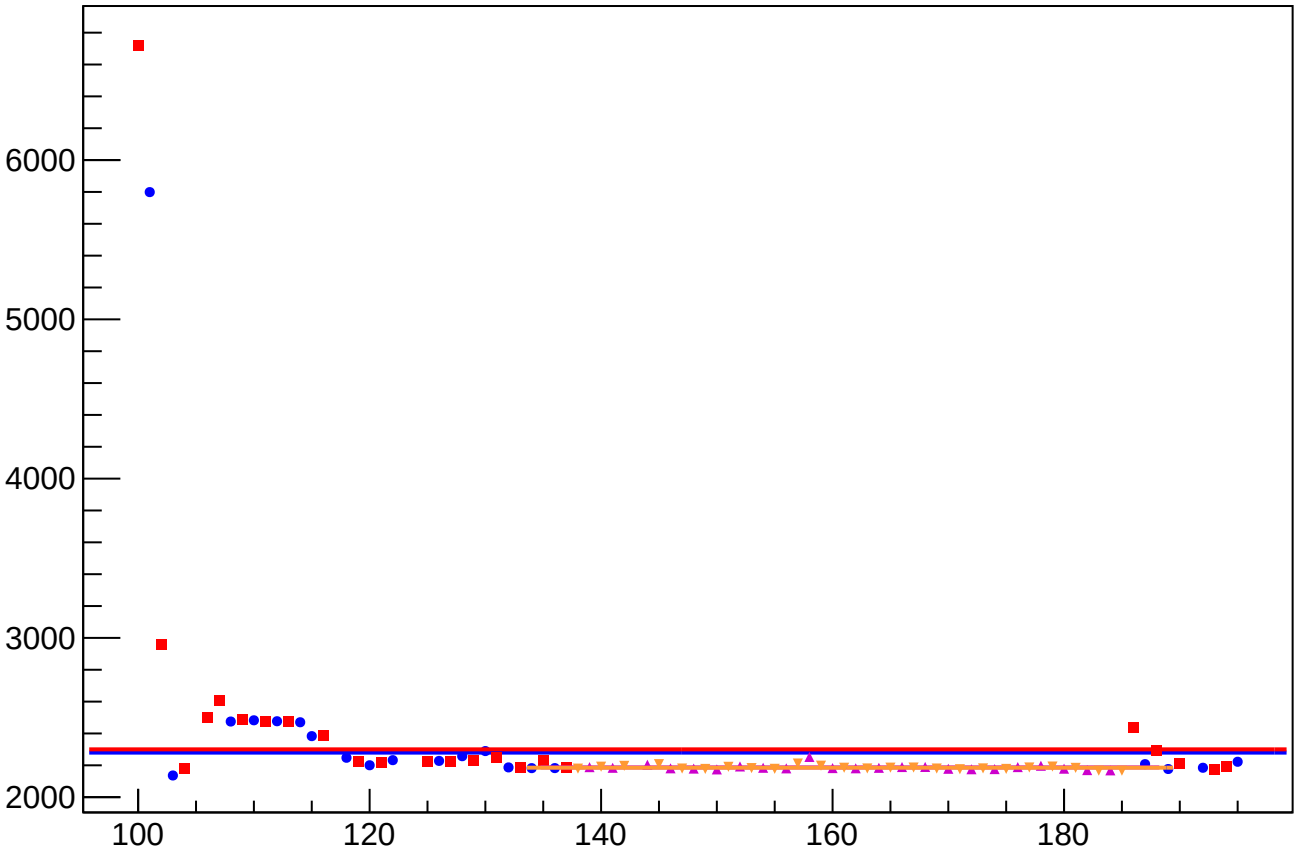
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4165.981+/-510.989 χ^2/NDF: 37.5/42

In: 4218.324+/-419.831 χ^2/NDF:48.2/42

Out: 3842.492+/-412.386 χ^2/NDF:47.0/46

All: 4027.046+/-294.198 χ^2/NDF: 95.6/89



Right In: 2279.782+/-0.522 χ^2/NDF: 522964.5/19

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2300.226+/-0.501 χ^2/NDF: 167489.5/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

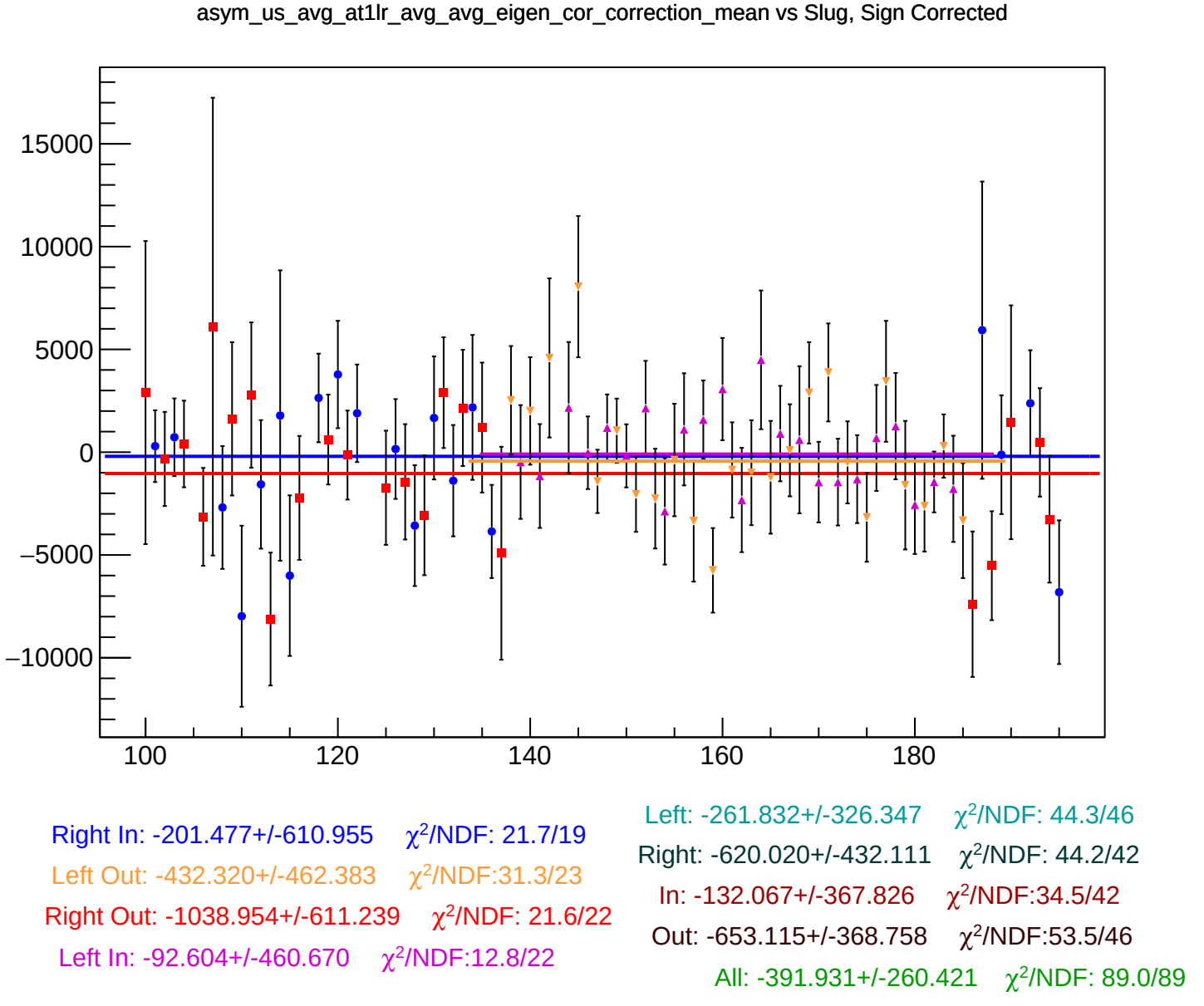
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2290.417+/-0.361 χ^2/NDF: 691253.1/42

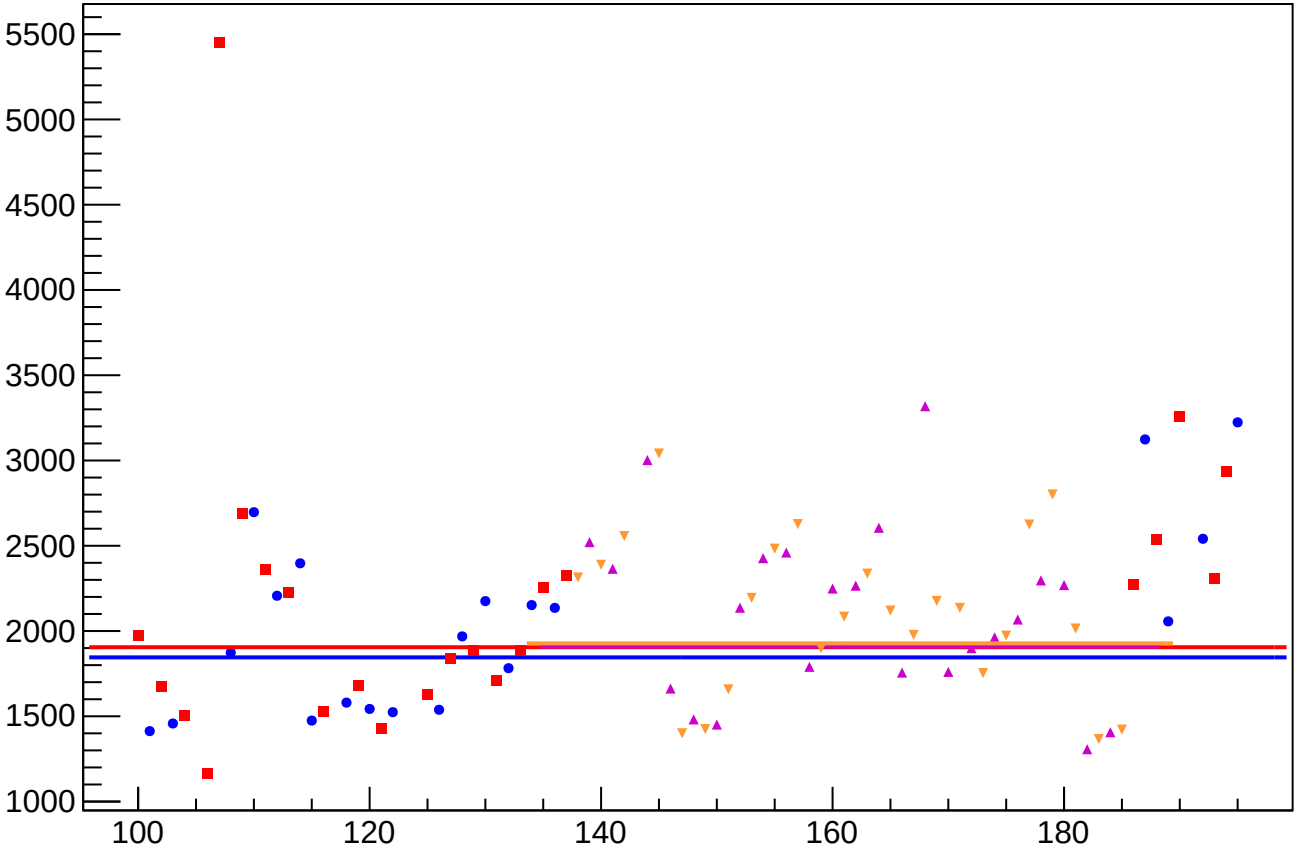
In: 2216.878+/-0.297 χ^2/NDF:546536.0/42

Out: 2224.128+/-0.292 χ^2/NDF:203202.9/46

All: 2220.568+/-0.208 χ^2/NDF: 750042.5/89


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -201.477+/-610.955 χ²/NDF: 21.7/19
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: -1038.954+/-611.239 χ²/NDF: 21.6/22
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -620.020+/-432.111 χ²/NDF: 44.2/42
In: -132.067+/-367.826 χ²/NDF:34.5/42
Out: -653.115+/-368.758 χ²/NDF:53.5/46
All: -391.931+/-260.421 χ²/NDF: 89.0/89

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1845.520+/-0.432 χ^2/NDF: 1070825.2/19

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1905.039+/-0.432 χ^2/NDF: 1367412.3/22

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

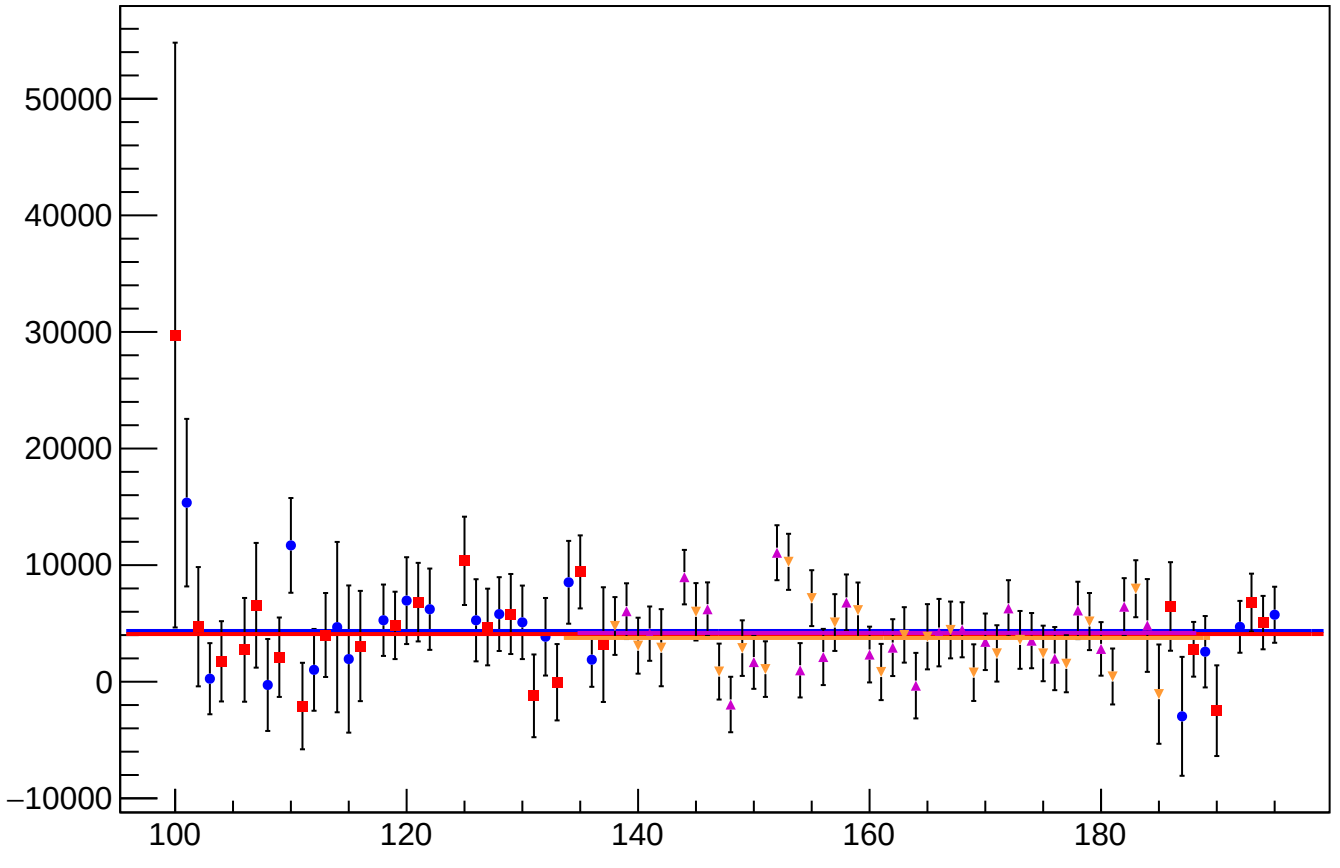
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1875.265+/-0.306 χ^2/NDF: 2447723.7/42

In: 1886.385+/-0.260 χ^2/NDF:3027146.9/42

Out: 1919.426+/-0.261 χ^2/NDF:3167561.6/46

All: 1902.863+/-0.184 χ^2/NDF: 6202757.3/89



Right In: 4352.290+/-746.533 χ^2/NDF: 16.3/19

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4088.093+/-719.669 χ^2/NDF: 20.4/22

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

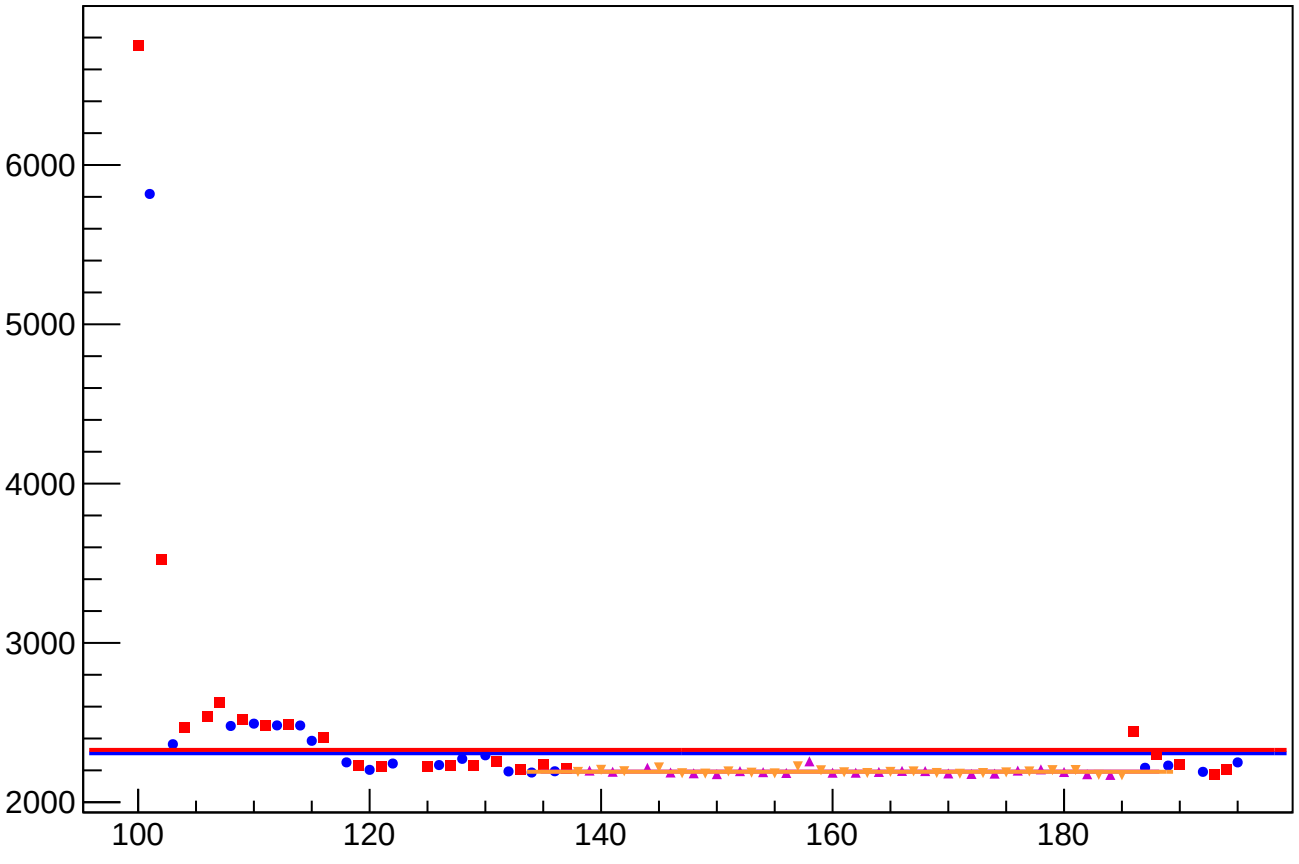
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4215.353+/-518.120 χ^2/NDF: 36.8/42

In: 4237.962+/-422.160 χ^2/NDF:49.0/42

Out: 3865.316+/-415.330 χ^2/NDF:46.2/46

All: 4048.600+/-296.068 χ^2/NDF: 95.6/89



Right In: 2307.332+/-0.528 χ^2/NDF: 514659.7/19

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2328.437+/-0.509 χ^2/NDF: 231086.0/22

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

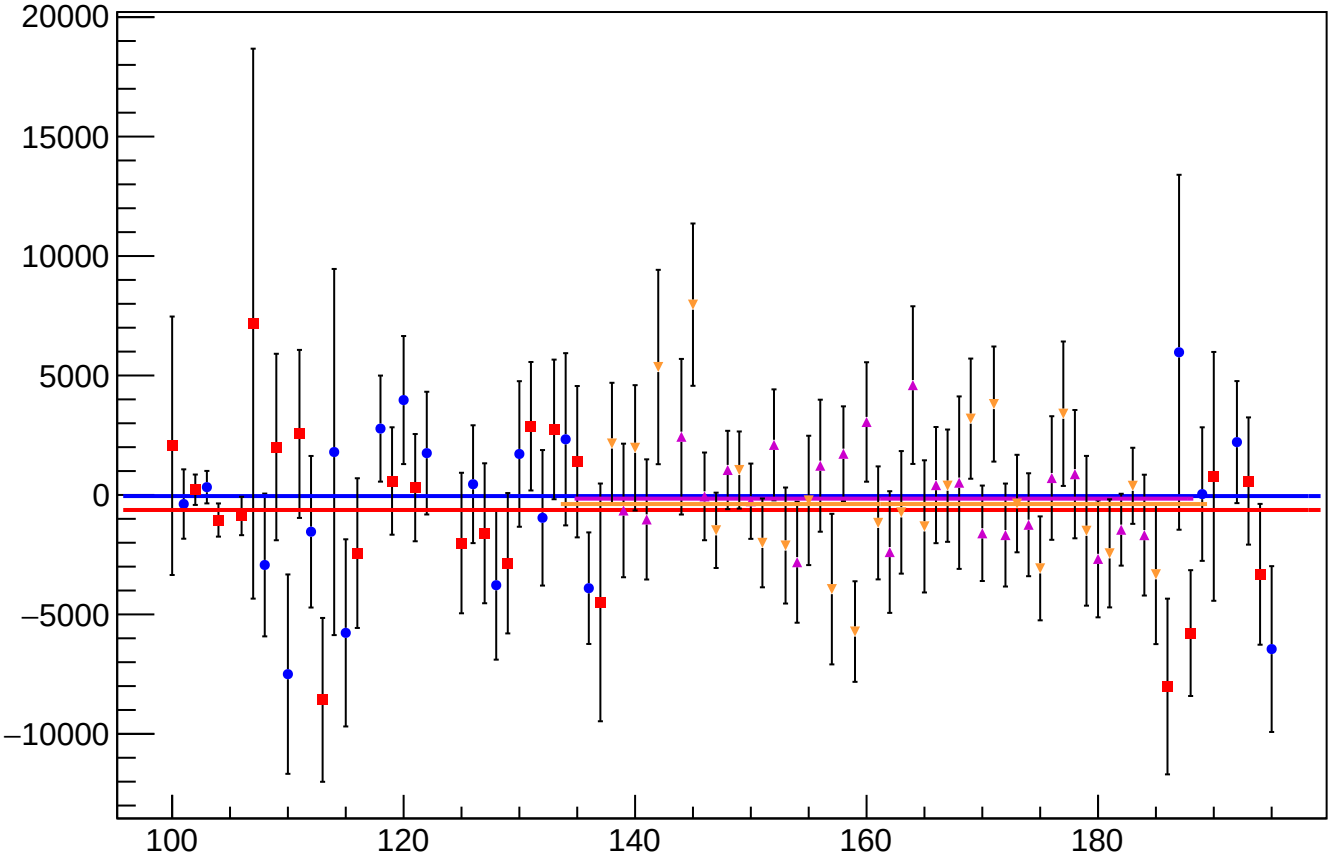
Right: 2318.271+/-0.366 χ^2/NDF: 746574.2/42

In: 2229.018+/-0.299 χ^2/NDF:549298.1/42

Out: 2236.873+/-0.294 χ^2/NDF:280858.9/46

All: 2233.009+/-0.209 χ^2/NDF: 830508.8/89

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -46.857+/-464.842 χ^2/NDF: 21.2/19

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -629.211+/-350.969 χ^2/NDF: 24.3/22

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

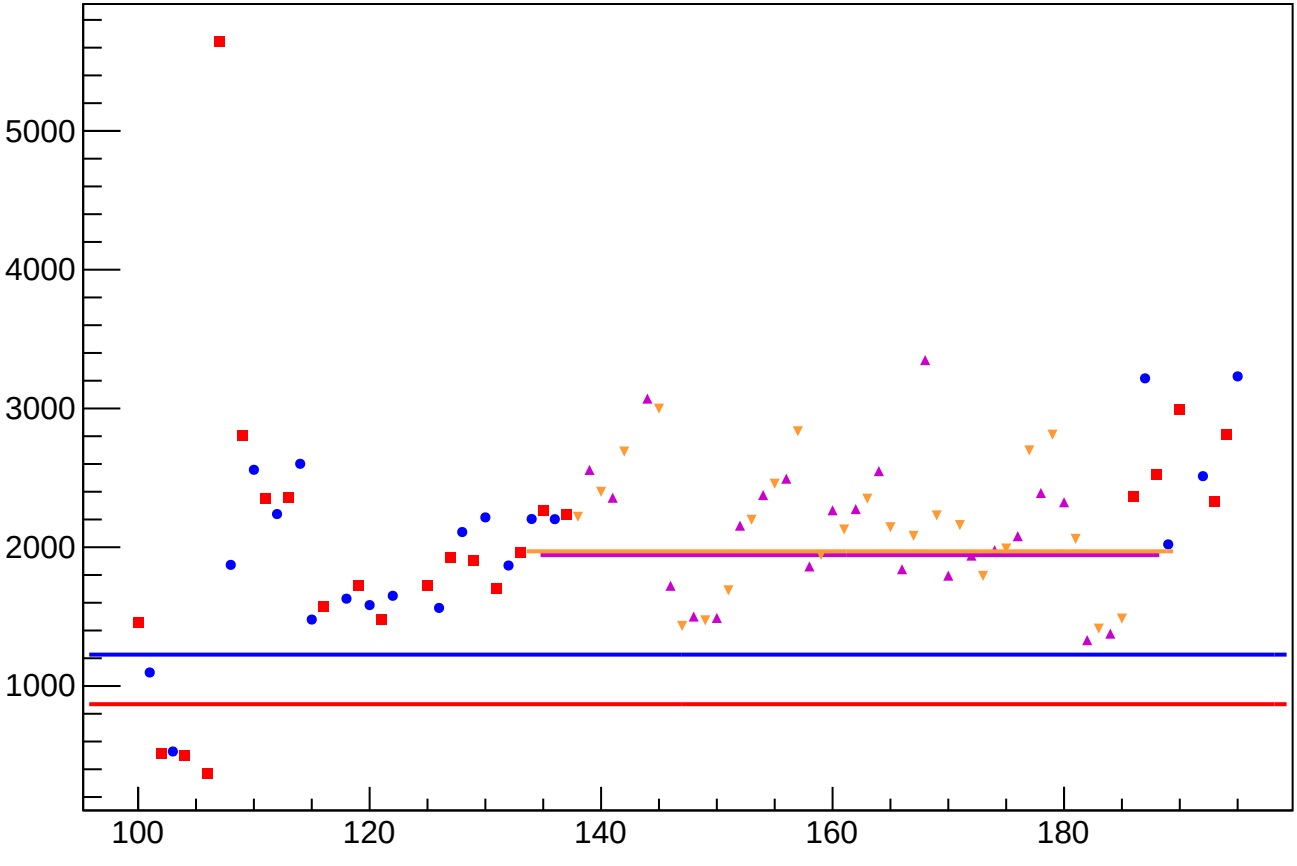
Right: -417.768+/-280.097 χ^2/NDF: 46.5/42

In: -100.320+/-329.804 χ^2/NDF:34.0/42

Out: -540.528+/-281.530 χ^2/NDF:55.3/46

All: -354.969+/-214.125 χ^2/NDF: 90.3/89

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1226.241+/-0.329 χ^2/NDF: 5344796.3/19

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 869.016+/-0.248 χ^2/NDF: 8715122.0/22

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

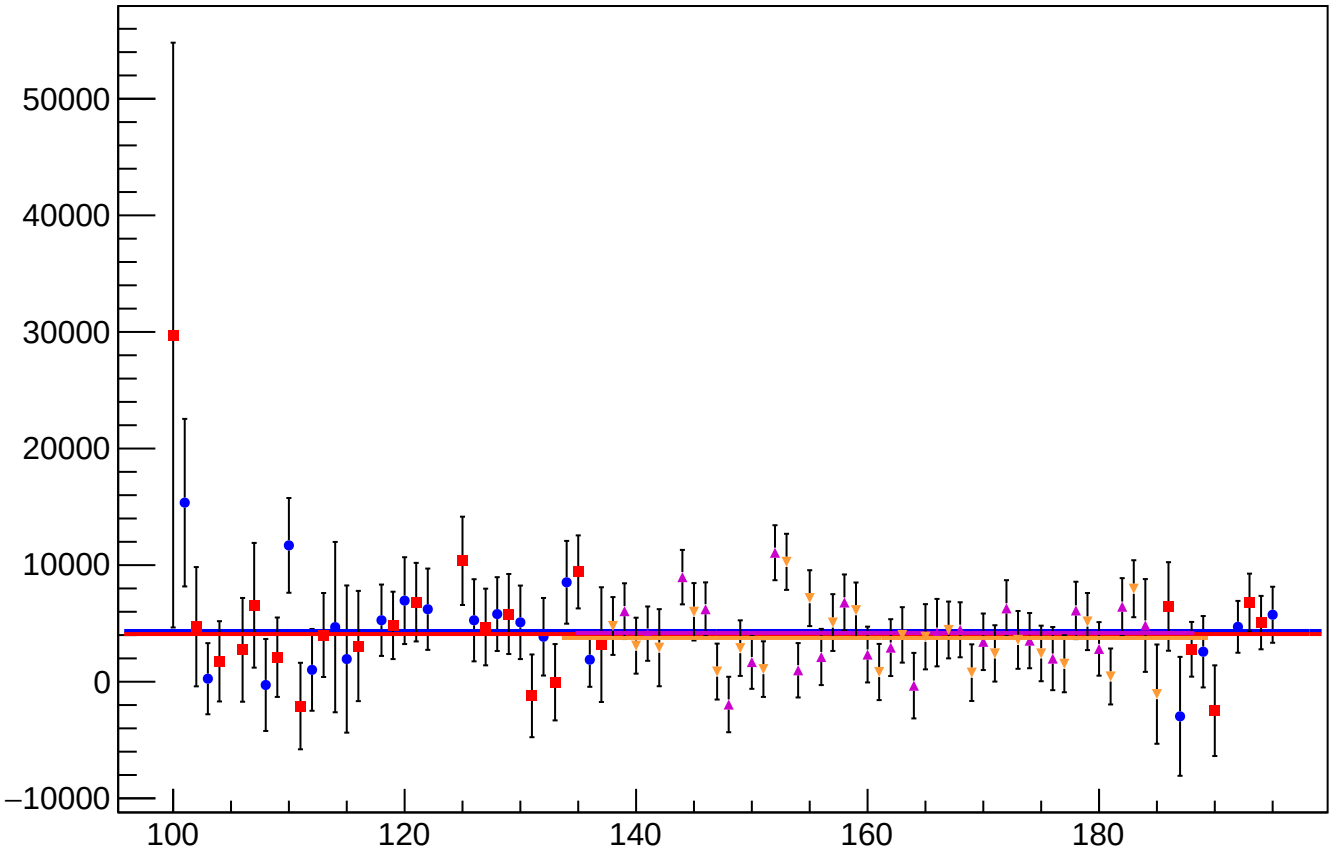
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 998.719+/-0.198 χ^2/NDF: 14812204.2/42

In: 1582.507+/-0.233 χ^2/NDF:9593356.4/42

Out: 1261.807+/-0.199 χ^2/NDF:17437557.0/46

All: 1396.990+/-0.151 χ^2/NDF: 28124867.4/8



Right In: 4352.287+/-746.533 χ^2/NDF: 16.3/19

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4088.088+/-719.669 χ^2/NDF: 20.4/22

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

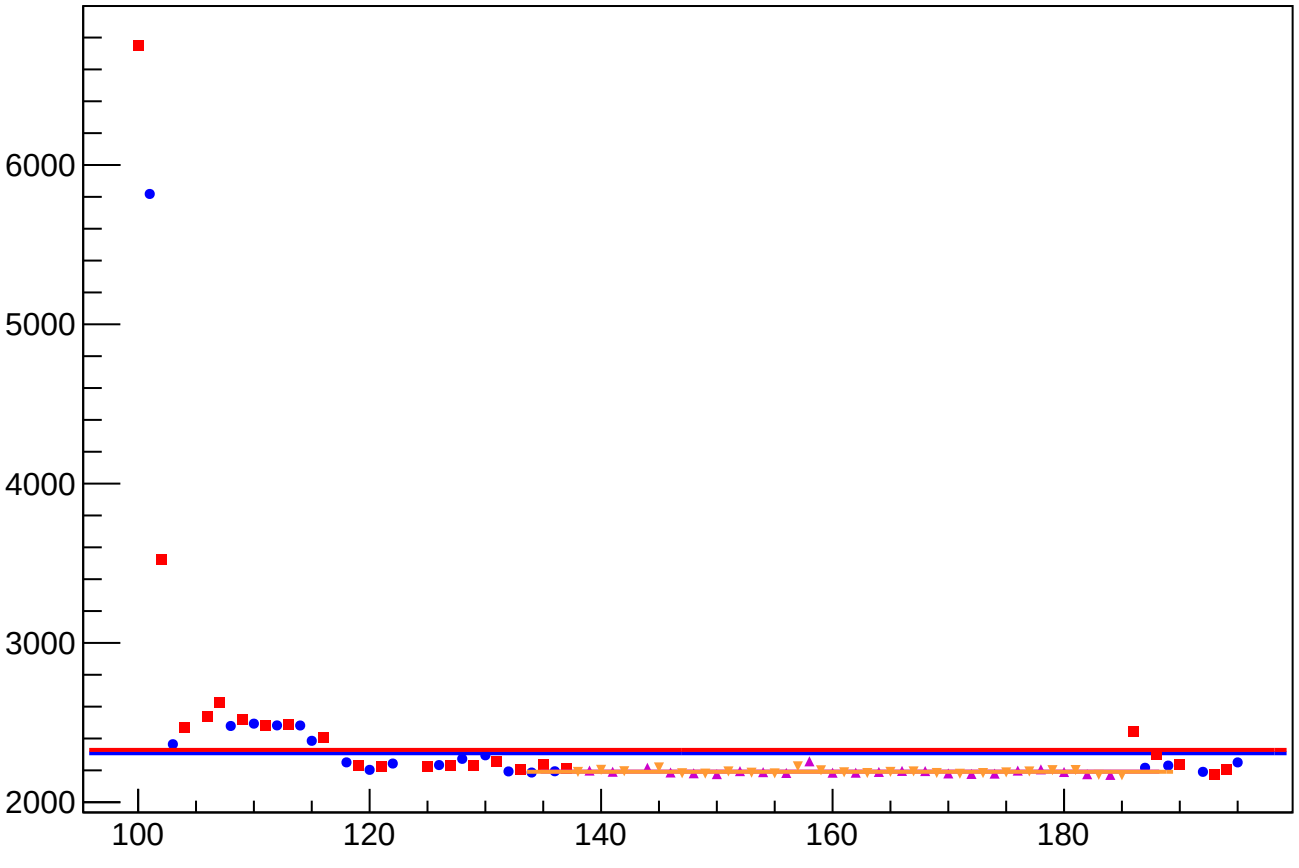
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4215.348+/-518.120 χ^2/NDF: 36.8/42

In: 4237.961+/-422.160 χ^2/NDF:49.0/42

Out: 3865.313+/-415.330 χ^2/NDF:46.2/46

All: 4048.598+/-296.068 χ^2/NDF: 95.6/89



Right In: 2307.332+/-0.528 χ^2/NDF: 514659.6/19

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2328.437+/-0.509 χ^2/NDF: 231084.8/22

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

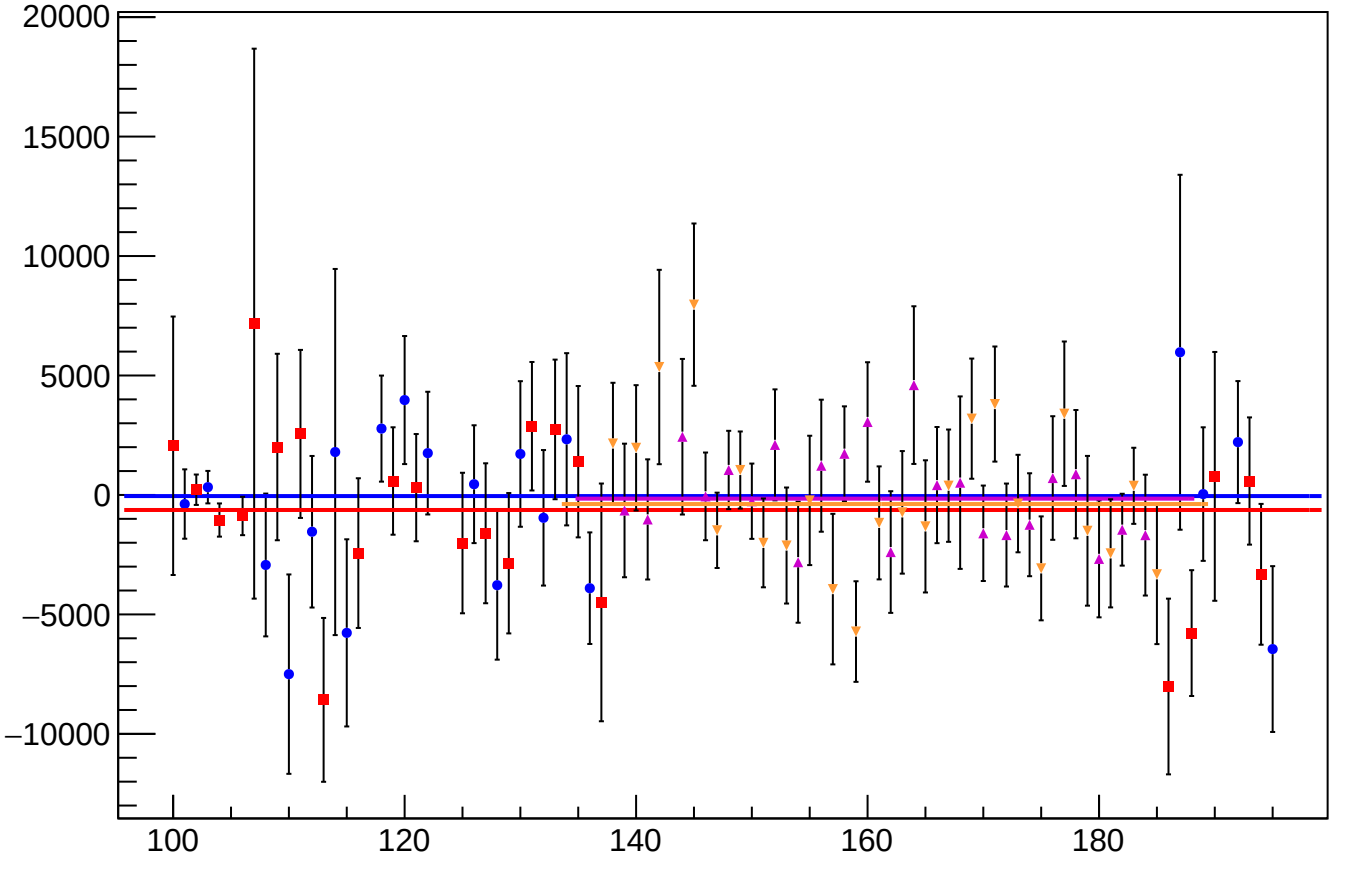
Right: 2318.271+/-0.366 χ^2/NDF: 746573.0/42

In: 2229.018+/-0.299 χ^2/NDF:549297.8/42

Out: 2236.873+/-0.294 χ^2/NDF:280857.5/46

All: 2233.009+/-0.209 χ^2/NDF: 830507.1/89

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -46.863+/-464.845 χ^2/NDF: 21.2/19

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -629.218+/-350.973 χ^2/NDF: 24.3/22

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

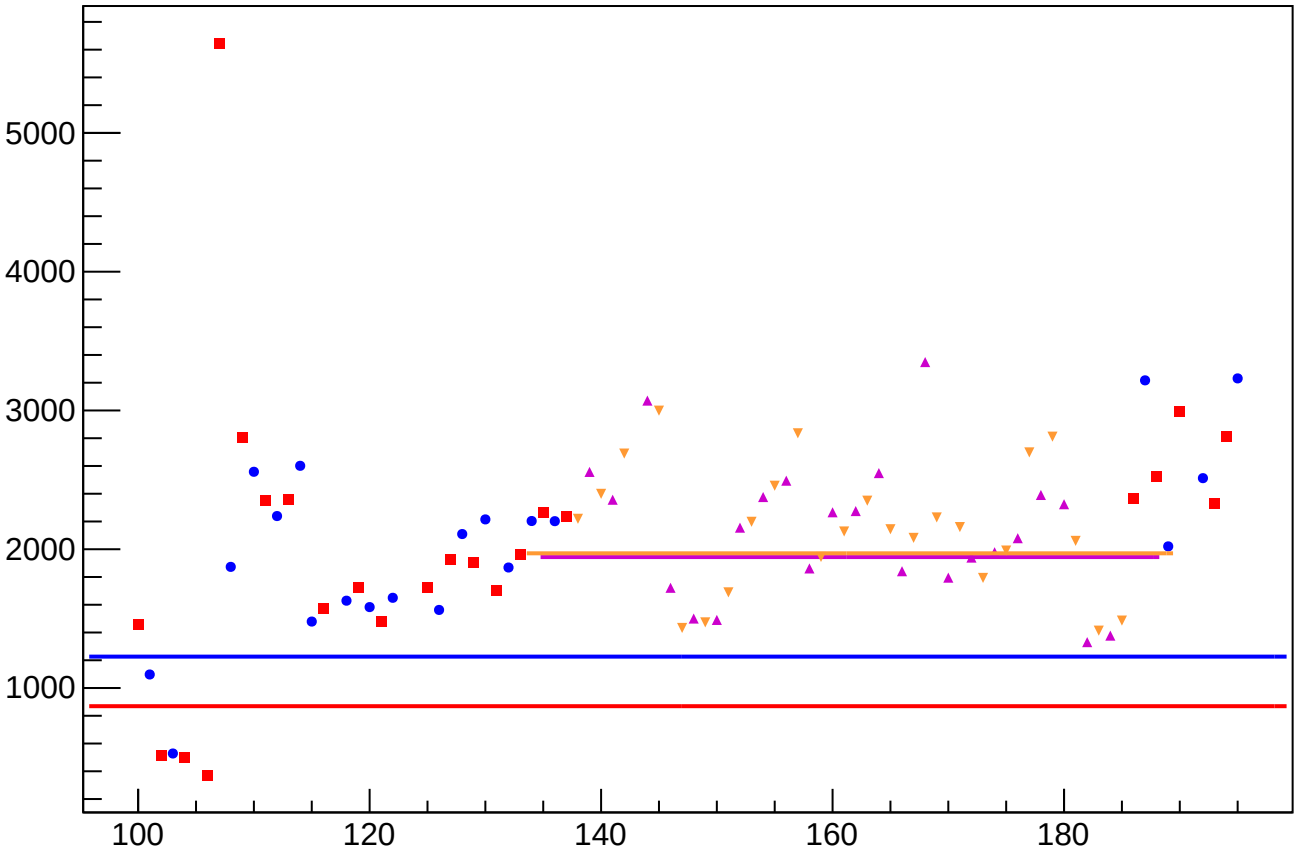
Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

Right: -417.773+/-280.100 χ^2/NDF: 46.5/42

In: -100.323+/-329.805 χ^2/NDF:34.0/42

Out: -540.533+/-281.533 χ^2/NDF:55.3/46

All: -354.973+/-214.126 χ^2/NDF: 90.3/89



Right In: 1226.251+/-0.329 χ^2/NDF: 5344701.5/19

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 869.033+/-0.248 χ^2/NDF: 8714949.3/22

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

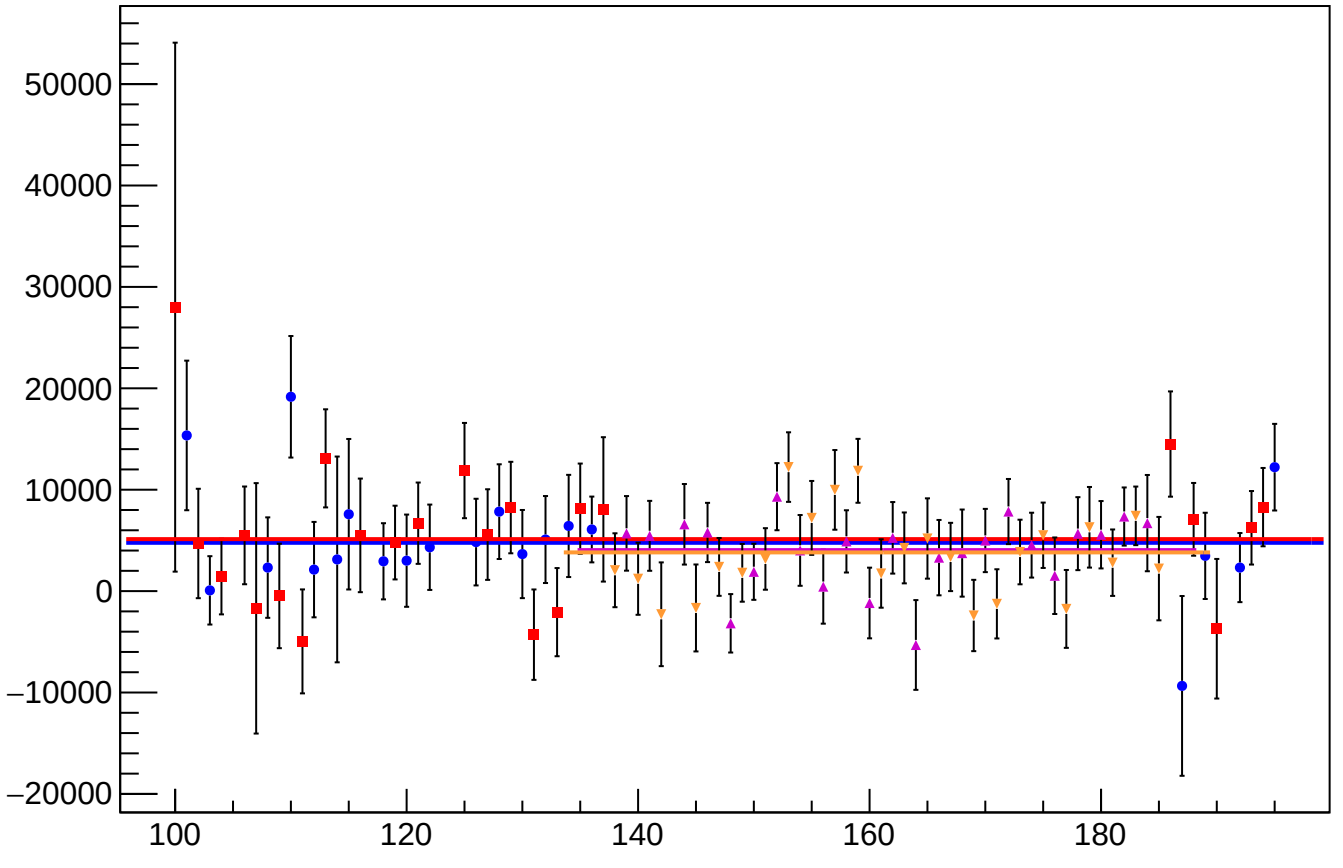
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 998.735+/-0.198 χ^2/NDF: 14811897.2/42

In: 1582.514+/-0.233 χ^2/NDF:9593200.6/42

Out: 1261.825+/-0.199 χ^2/NDF:17437136.4/46

All: 1397.004+/-0.151 χ^2/NDF: 28124214.5/8



Right In: 4764.863+/-1012.728 χ^2/NDF: 17.9/19

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5127.180+/-979.446 χ^2/NDF: 26.4/22

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

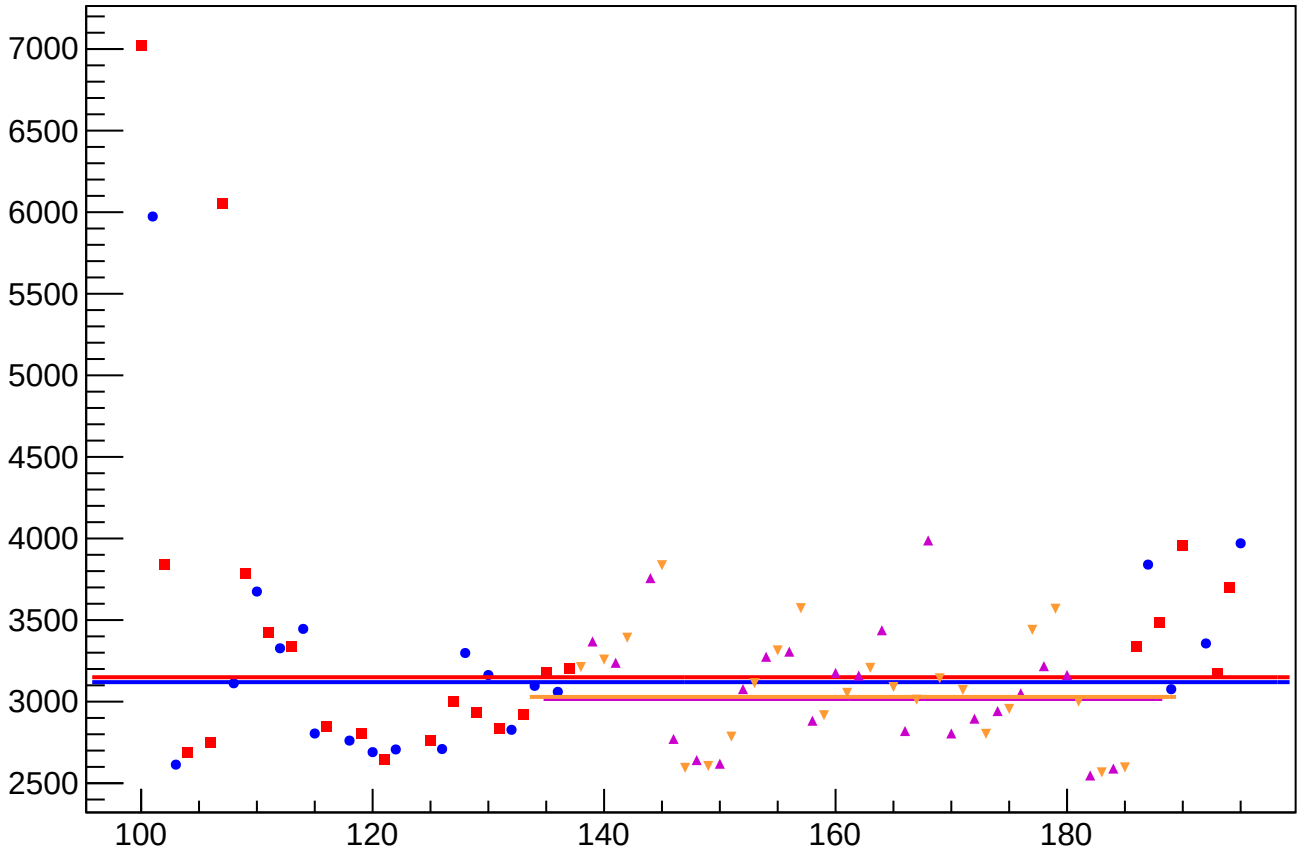
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4952.073+/-704.045 χ^2/NDF: 44.3/42

In: 4280.302+/-581.126 χ^2/NDF:40.7/42

Out: 4267.457+/-573.954 χ^2/NDF:58.4/46

All: 4273.800+/-408.359 χ^2/NDF: 99.1/89



Right In: 3119.464+/-0.716 χ^2/NDF: 560415.5/19

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3149.717+/-0.693 χ^2/NDF: 450856.5/22

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

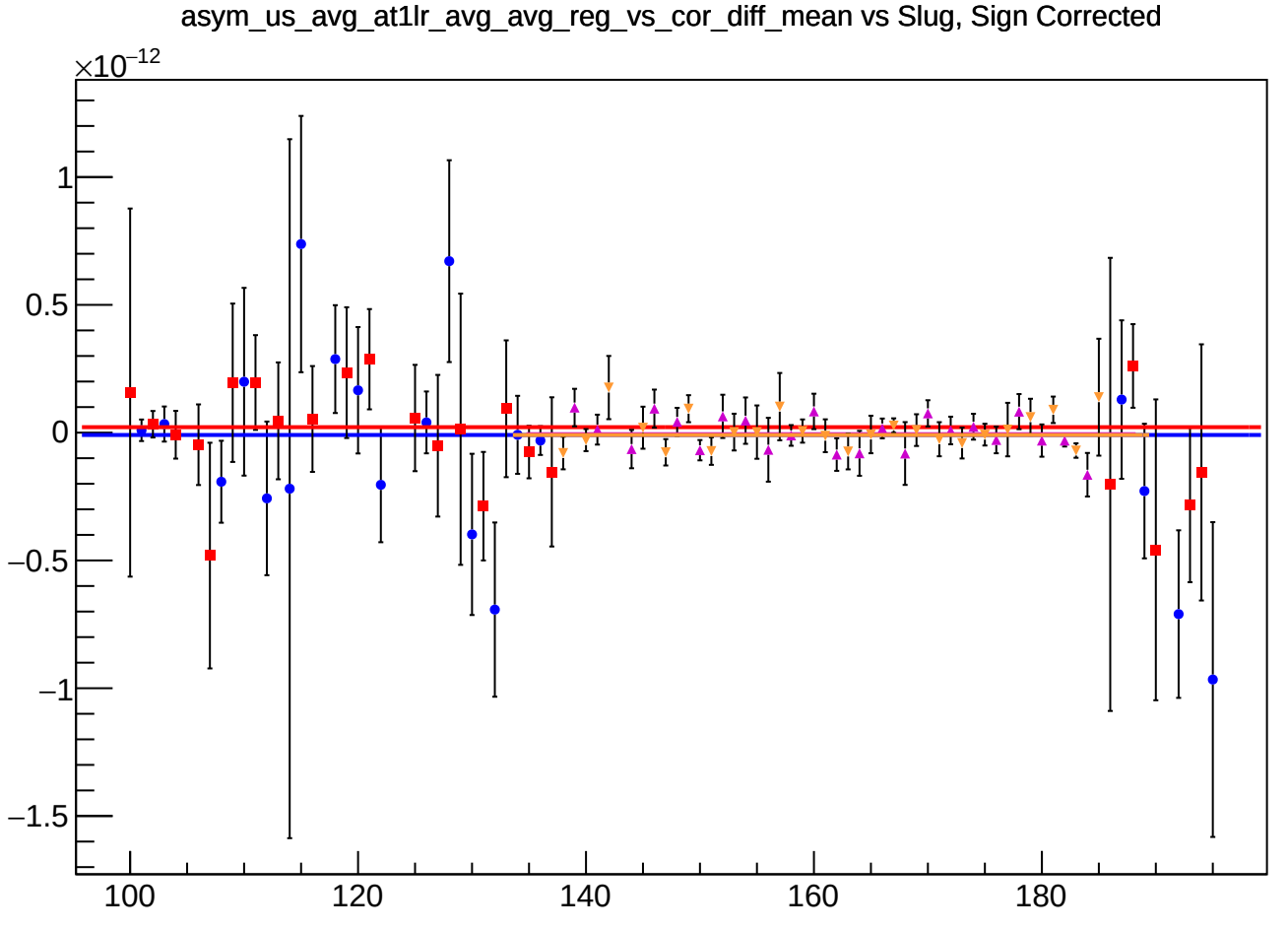
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3135.096+/-0.498 χ^2/NDF: 1012194.2/42

In: 3050.237+/-0.411 χ^2/NDF:1014246.6/42

Out: 3070.443+/-0.406 χ^2/NDF:867921.8/46

All: 3060.465+/-0.289 χ^2/NDF: 1883392.3/89



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/22

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

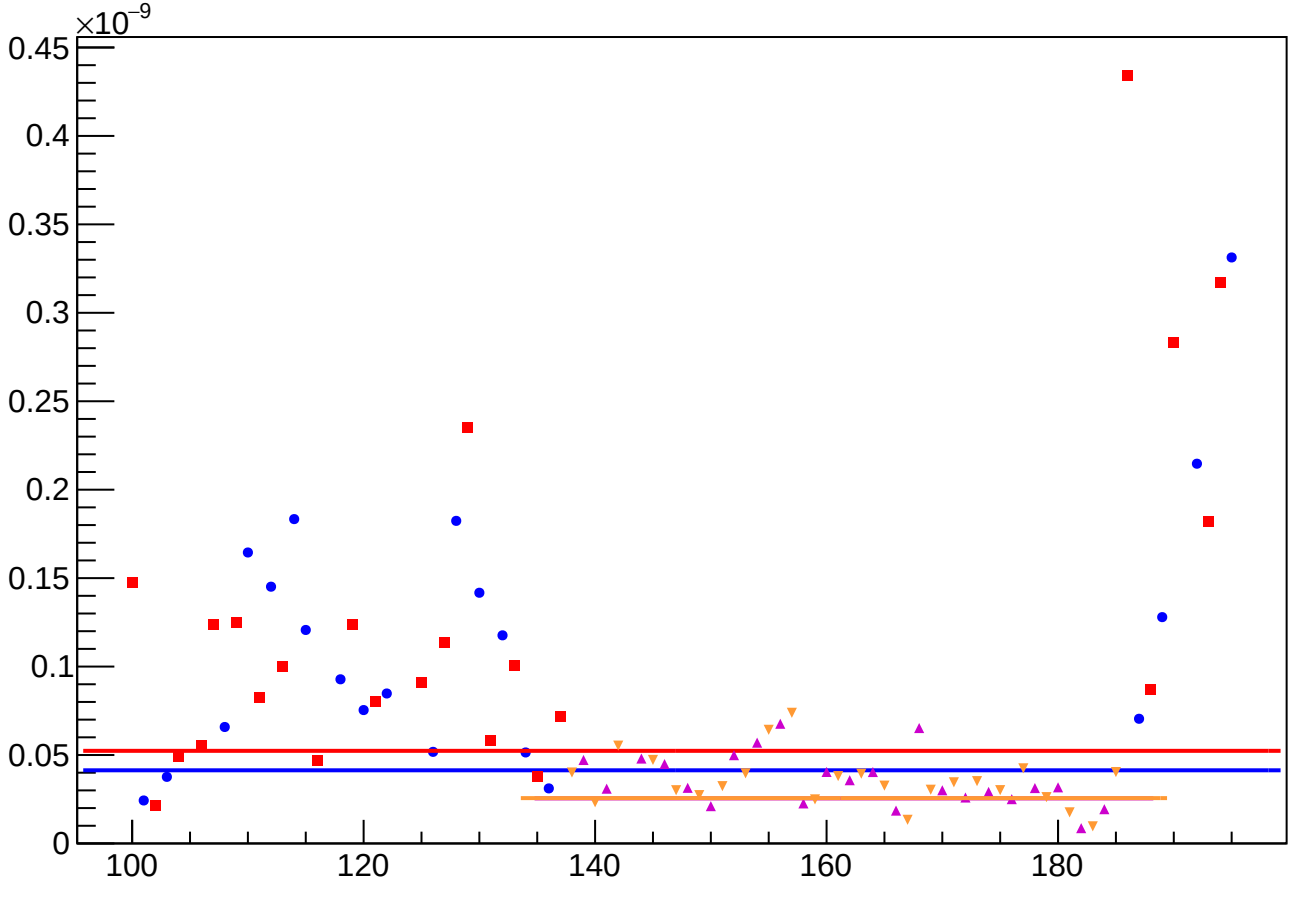
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 38.6/42

In: -0.000+/-0.000 χ^2/NDF:48.3/42

Out: -0.000+/-0.000 χ^2/NDF:37.9/46

All: -0.000+/-0.000 χ^2/NDF: 86.3/89



Right In: 0.000+/-0.000 χ^2/NDF: 3030782.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3450370.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

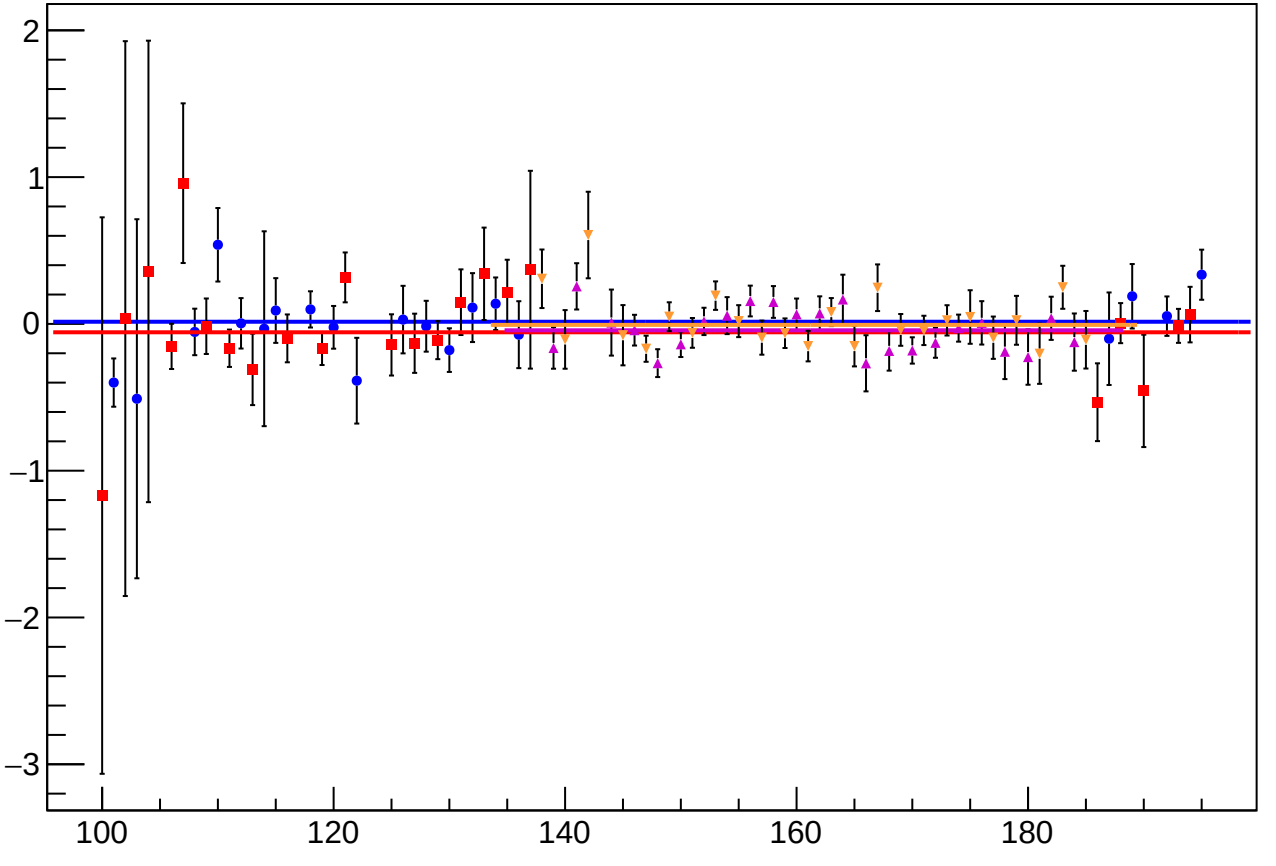
Right: 0.000+/-0.000 χ^2/NDF: 6612914.3/42

In: 0.000+/-0.000 χ^2/NDF:6434922.6/42

Out: 0.000+/-0.000 χ^2/NDF:7042492.7/46

All: 0.000+/-0.000 χ^2/NDF: 13479740.5/89

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

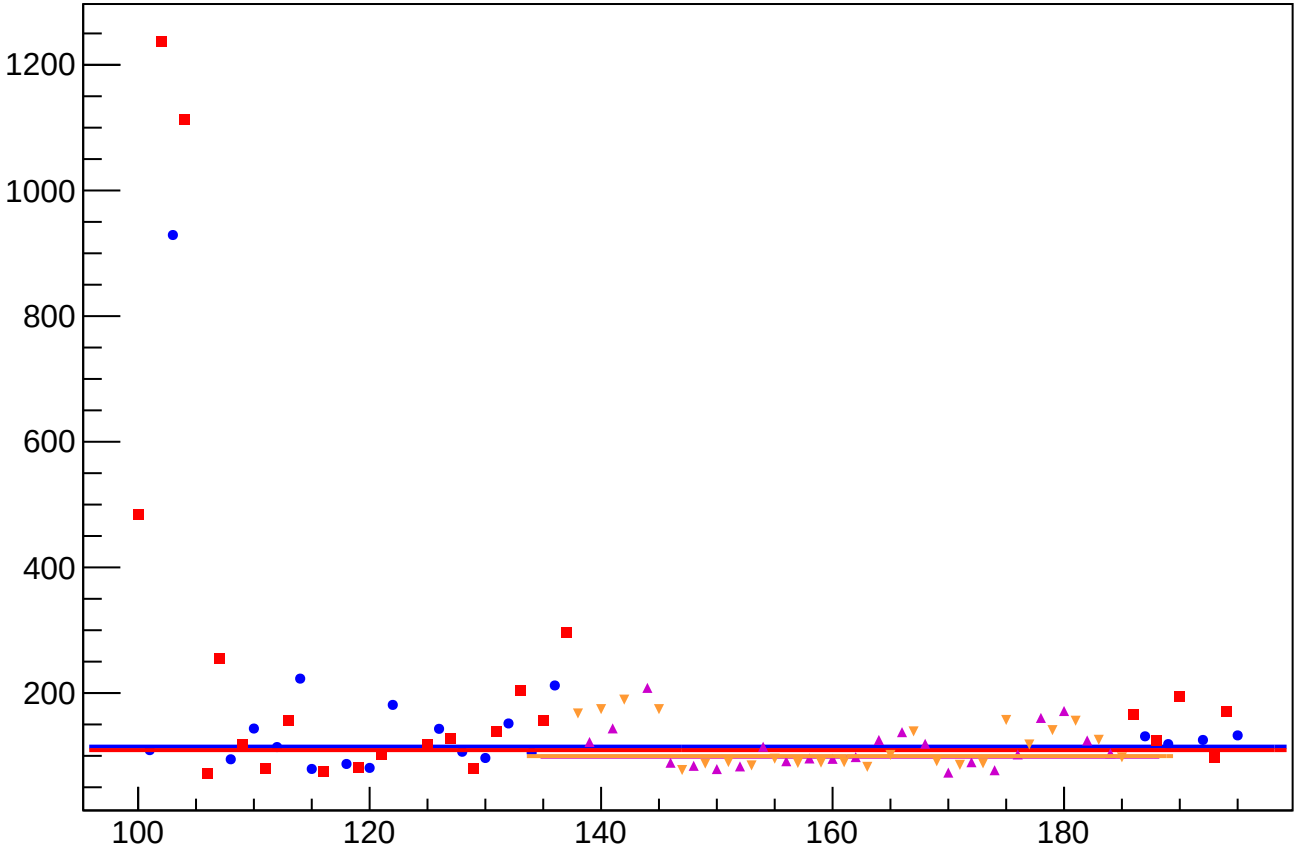
Right: -0.024+/-0.029 χ^2/NDF: 44.0/42

In: -0.028+/-0.022 χ^2/NDF:52.2/42

Out: -0.021+/-0.021 χ^2/NDF:50.8/46

All: -0.025+/-0.015 χ^2/NDF: 103.0/89

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.701+/-0.030 χ^2/NDF: 1889531.1/19

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 109.139+/-0.028 χ^2/NDF: 3309984.4/22

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

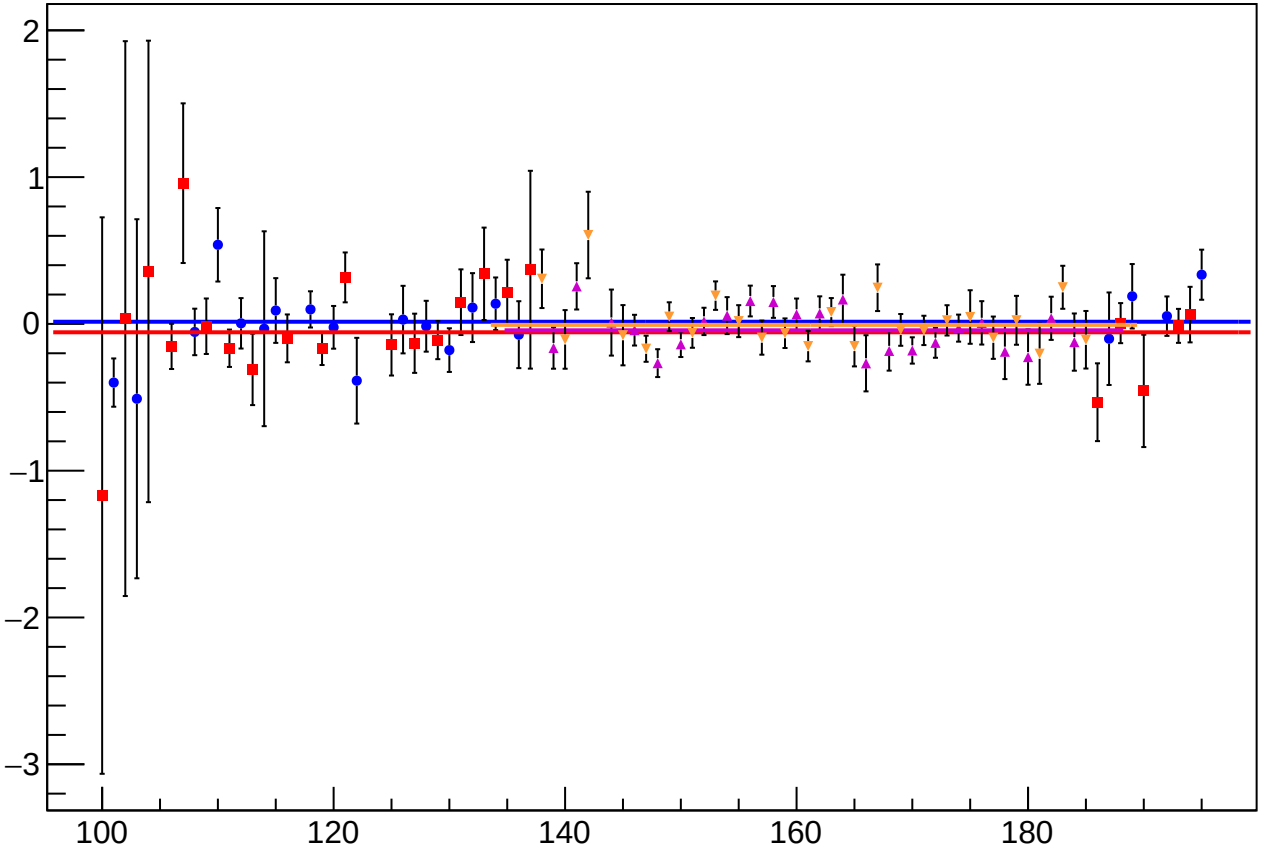
Right: 111.734+/-0.020 χ^2/NDF: 5218044.7/42

In: 102.848+/-0.015 χ^2/NDF:4106265.7/42

Out: 102.373+/-0.015 χ^2/NDF:5463888.0/46

All: 102.608+/-0.011 χ^2/NDF: 9570645.3/89

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

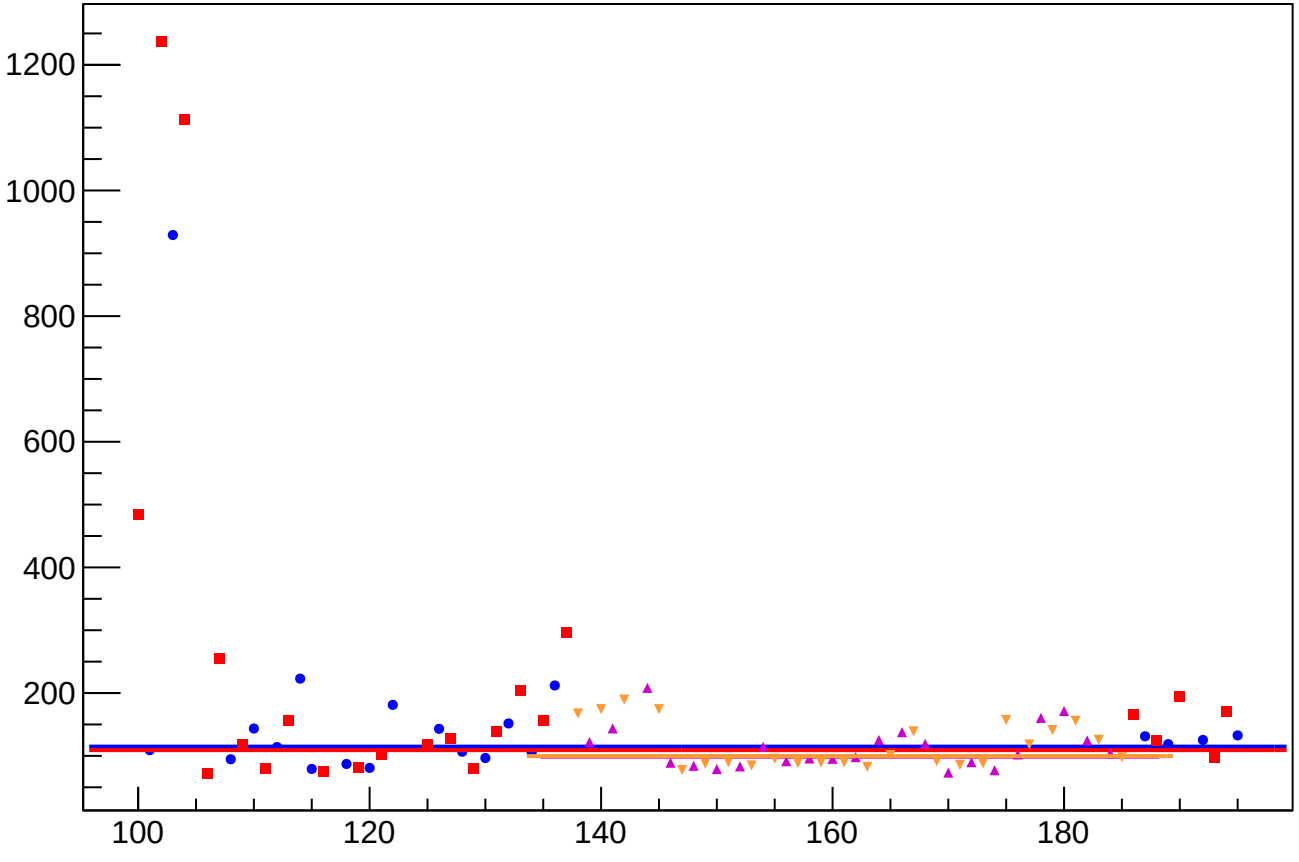
Right: -0.024+/-0.029 χ^2/NDF: 44.0/42

In: -0.028+/-0.022 χ^2/NDF:52.2/42

Out: -0.021+/-0.021 χ^2/NDF:50.8/46

All: -0.025+/-0.015 χ^2/NDF: 103.0/89

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.701+/-0.030 χ^2/NDF: 1889531.1/19

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 109.139+/-0.028 χ^2/NDF: 3309984.4/22

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

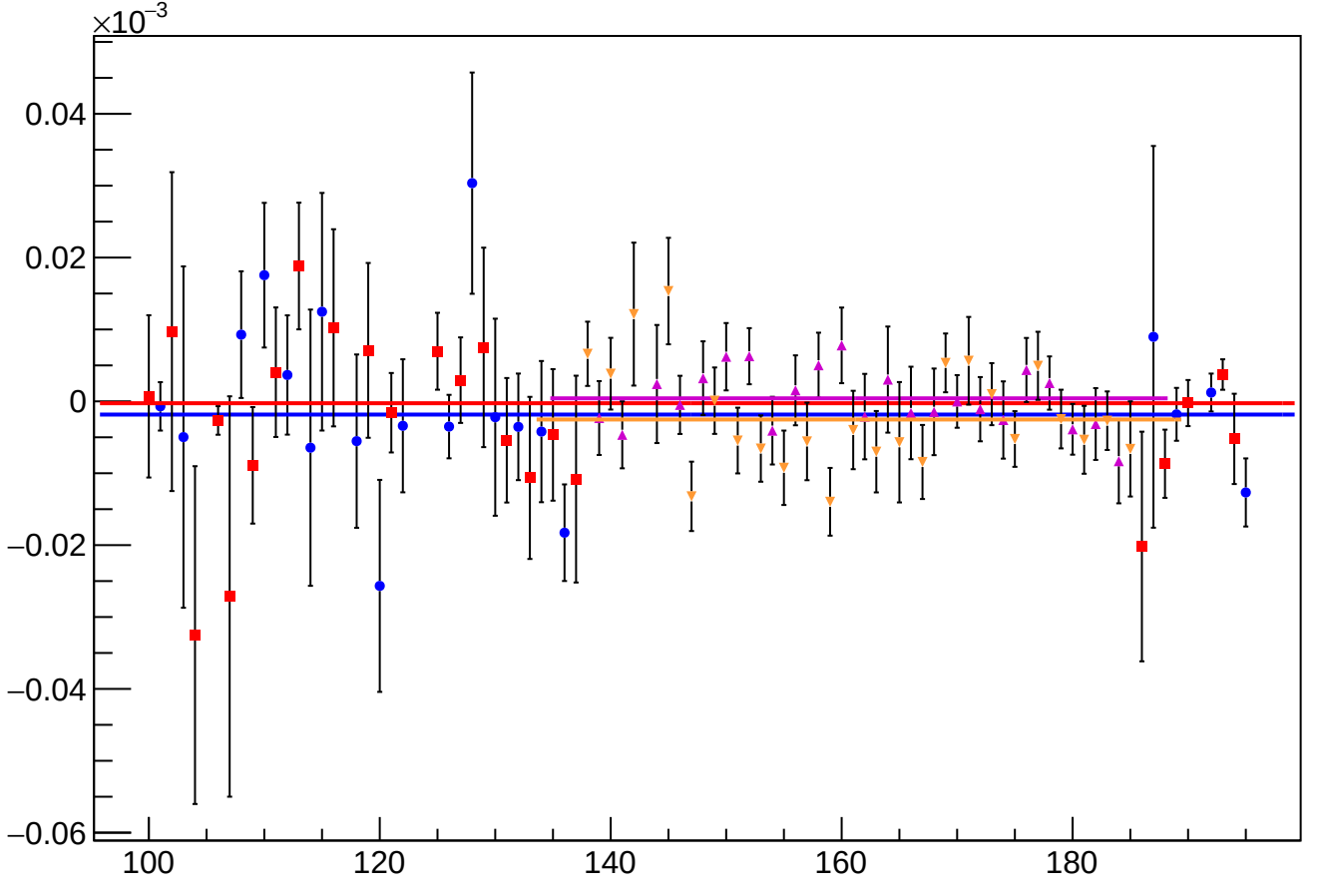
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 111.734+/-0.020 χ^2/NDF: 5218044.7/42

In: 102.848+/-0.015 χ^2/NDF:4106265.7/42

Out: 102.373+/-0.015 χ^2/NDF:5463888.0/46

All: 102.608+/-0.011 χ^2/NDF: 9570645.3/89



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/22

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

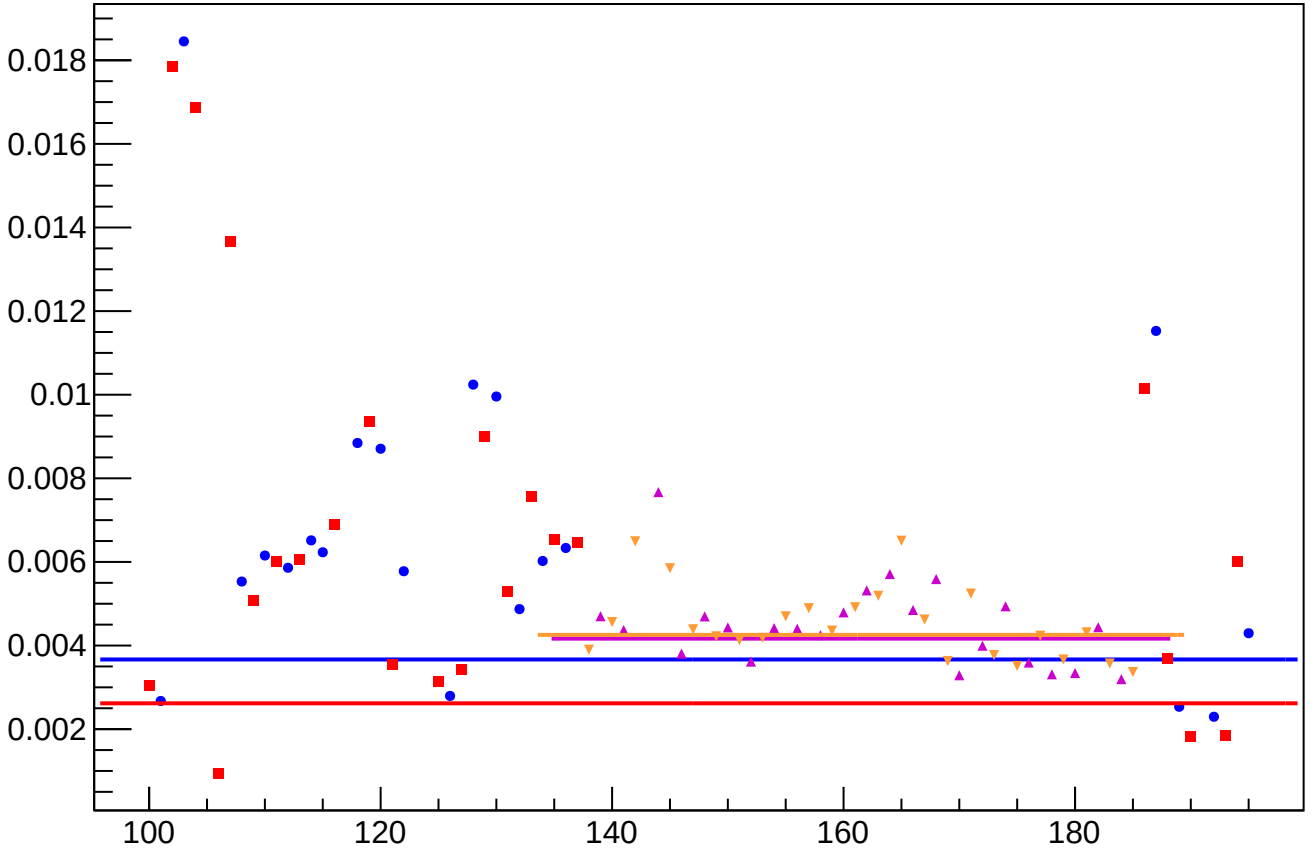
Right: -0.000+/-0.000 χ^2/NDF: 52.4/42

In: -0.000+/-0.000 χ^2/NDF:44.5/42

Out: -0.000+/-0.000 χ^2/NDF:67.3/46

All: -0.000+/-0.000 χ^2/NDF: 112.8/89

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 4386857.9/19

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8147570.8/22

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

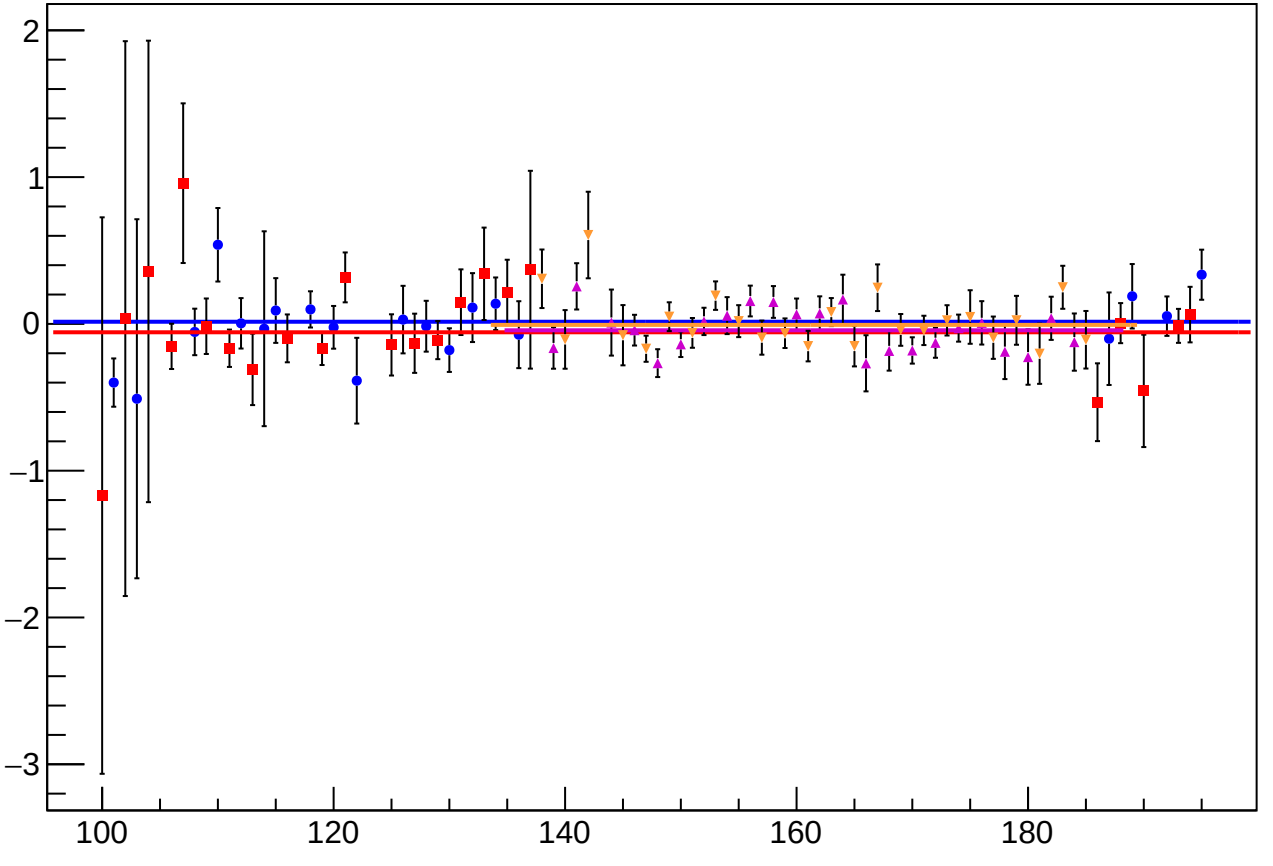
Right: 0.003+/-0.000 χ^2/NDF: 13254471.5/42

In: 0.004+/-0.000 χ^2/NDF:5837861.6/42

Out: 0.003+/-0.000 χ^2/NDF:11418526.7/46

All: 0.004+/-0.000 χ^2/NDF: 17676613.7/89

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

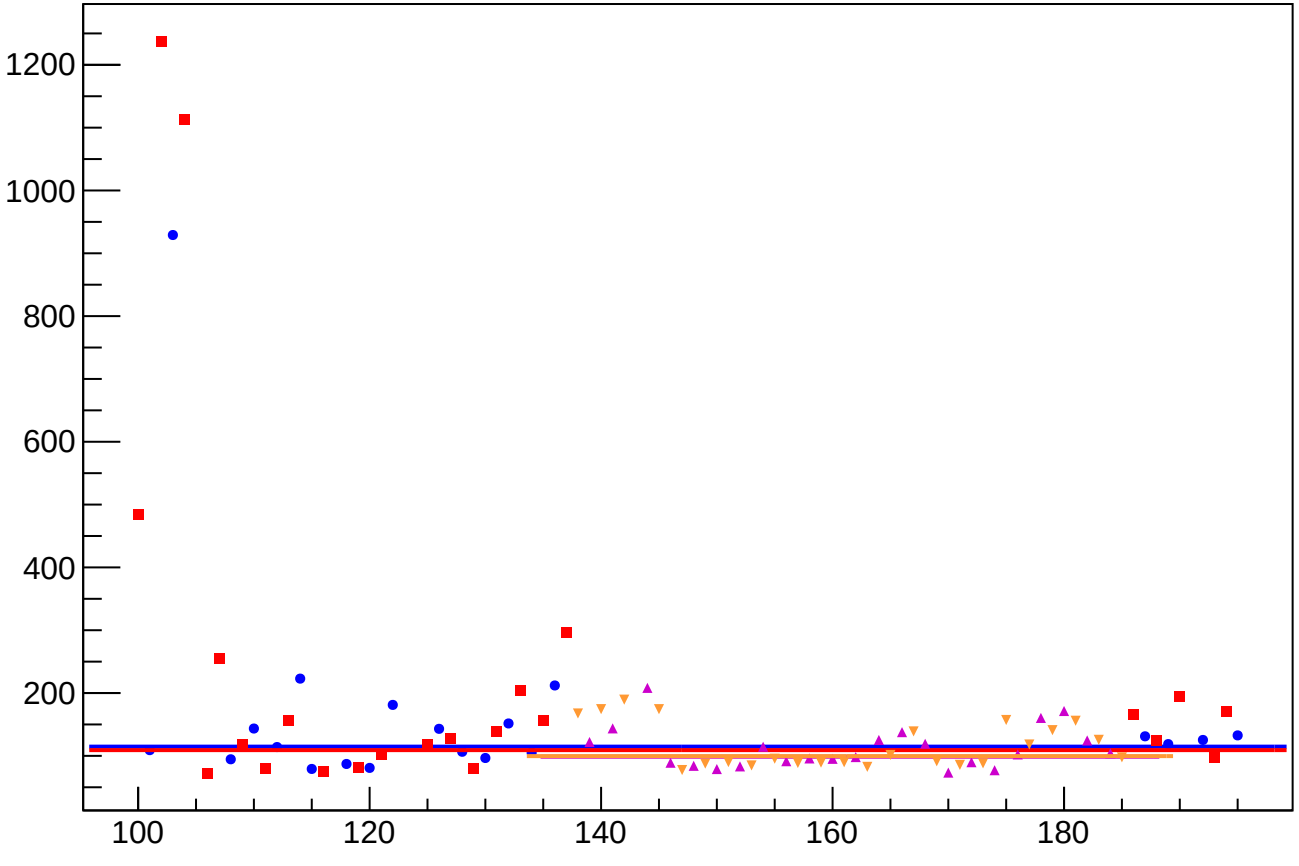
Right: -0.024+/-0.029 χ^2/NDF: 44.0/42

In: -0.028+/-0.022 χ^2/NDF:52.2/42

Out: -0.021+/-0.021 χ^2/NDF:50.8/46

All: -0.025+/-0.015 χ^2/NDF: 103.0/89

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.699+/-0.030 χ^2/NDF: 1889596.8/19

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 109.138+/-0.028 χ^2/NDF: 3310009.3/22

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

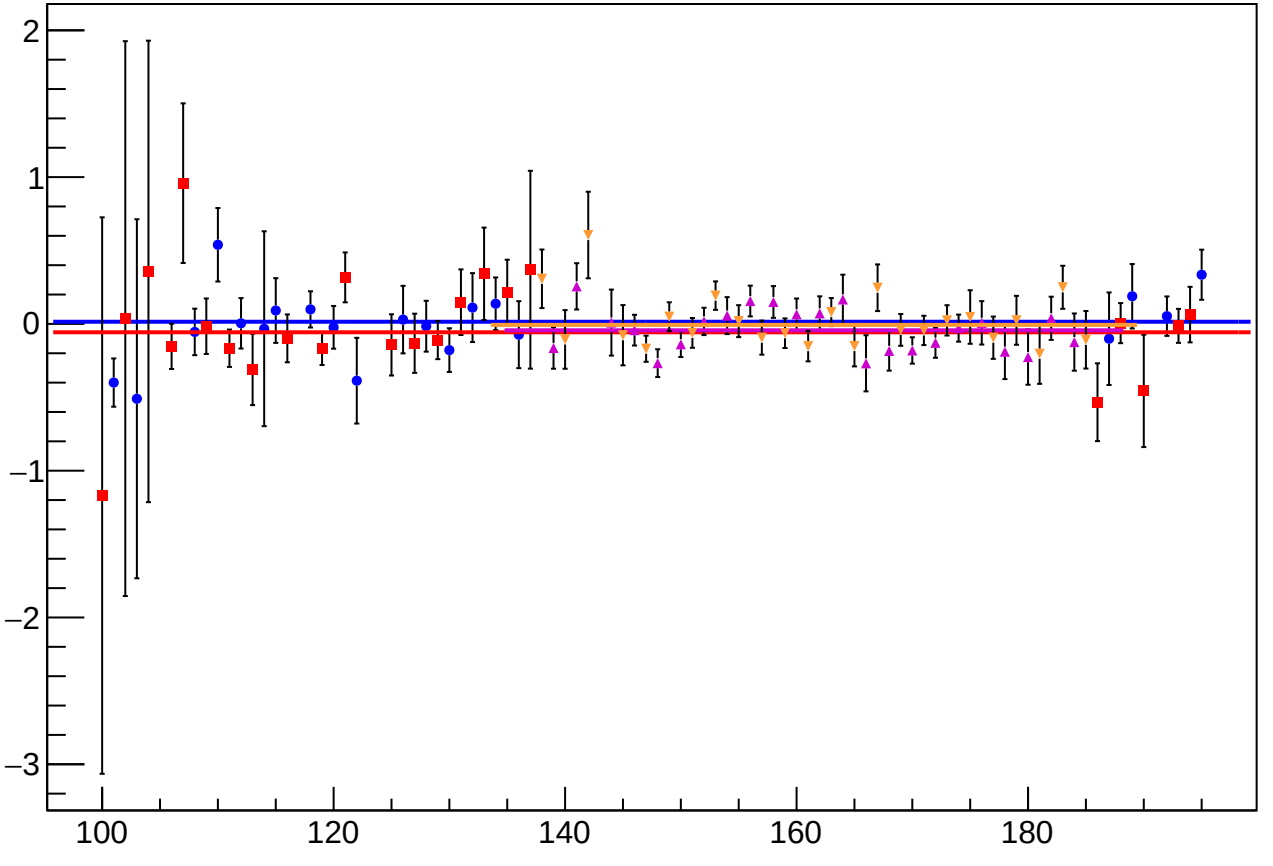
Right: 111.733+/-0.020 χ^2/NDF: 5218128.7/42

In: 102.848+/-0.015 χ^2/NDF:4106235.2/42

Out: 102.373+/-0.015 χ^2/NDF:5463847.4/46

All: 102.608+/-0.011 χ^2/NDF: 9570573.4/89

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.042 χ^2/NDF: 20.5/19

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

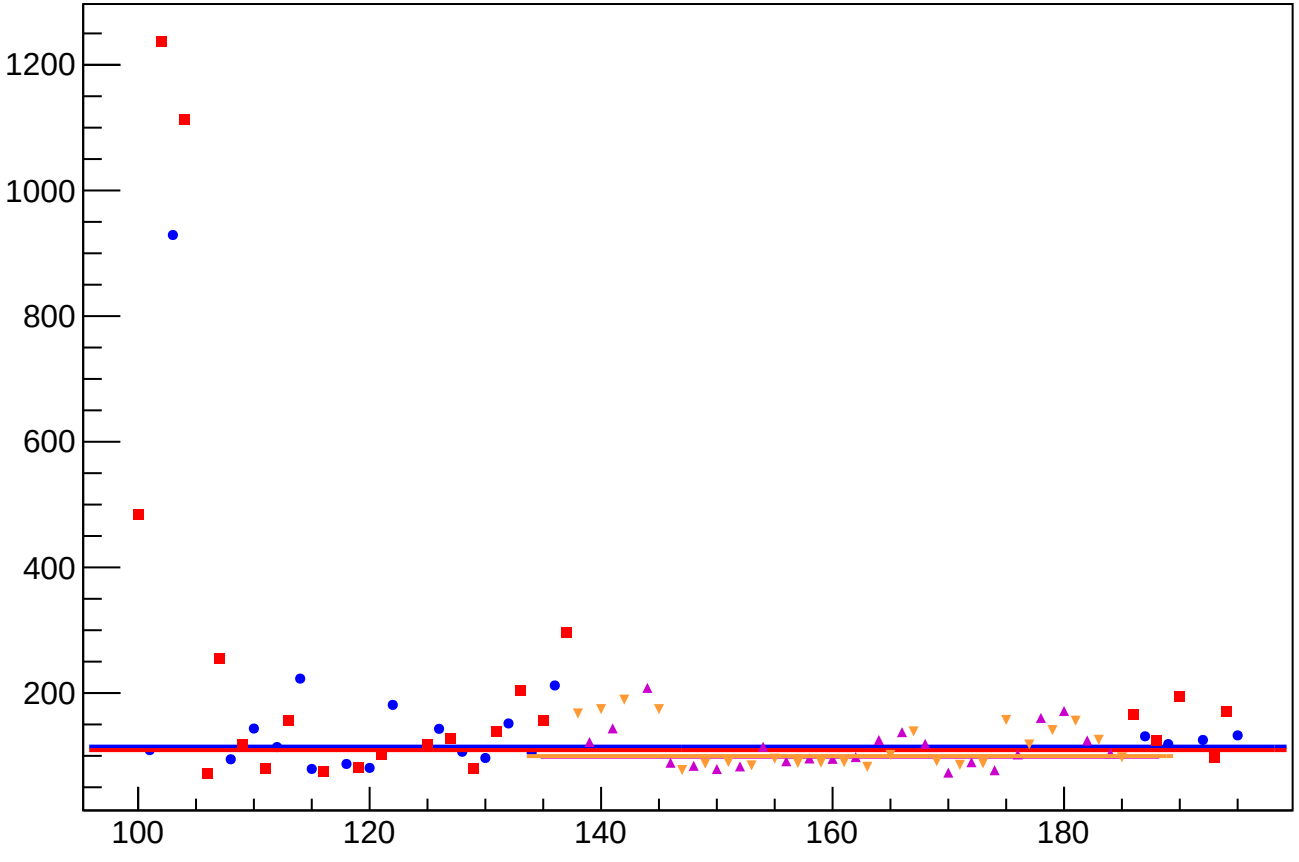
Right: -0.024+/-0.029 χ^2/NDF: 44.0/42

In: -0.028+/-0.022 χ^2/NDF:52.2/42

Out: -0.021+/-0.021 χ^2/NDF:50.8/46

All: -0.025+/-0.015 χ^2/NDF: 103.0/89

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.699+/-0.030 χ^2/NDF: 1889596.8/19

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 109.138+/-0.028 χ^2/NDF: 3310009.3/22

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

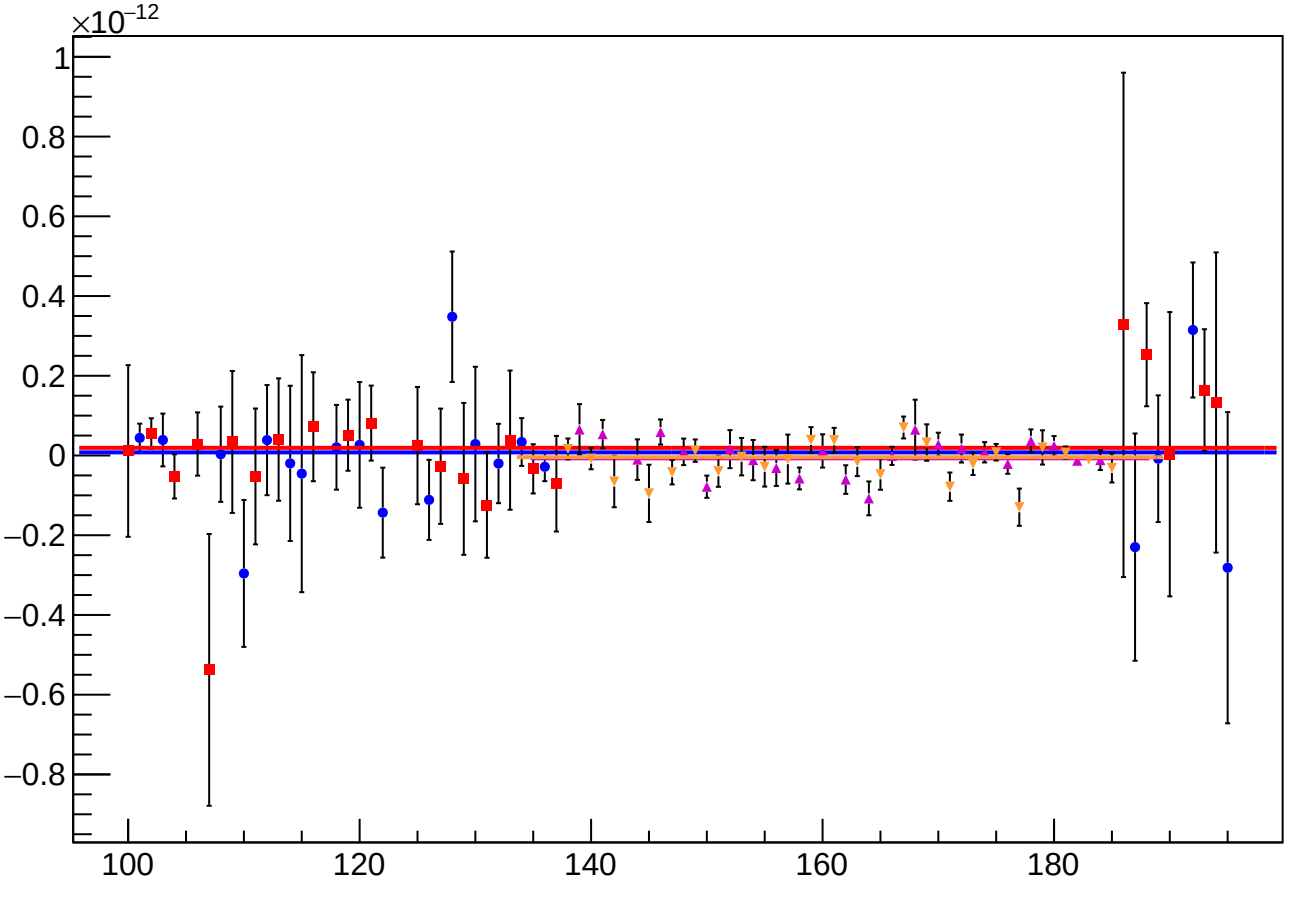
Right: 111.733+/-0.020 χ^2/NDF: 5218128.7/42

In: 102.848+/-0.015 χ^2/NDF:4106235.2/42

Out: 102.373+/-0.015 χ^2/NDF:5463847.4/46

All: 102.608+/-0.011 χ^2/NDF: 9570573.4/89

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.4/22

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

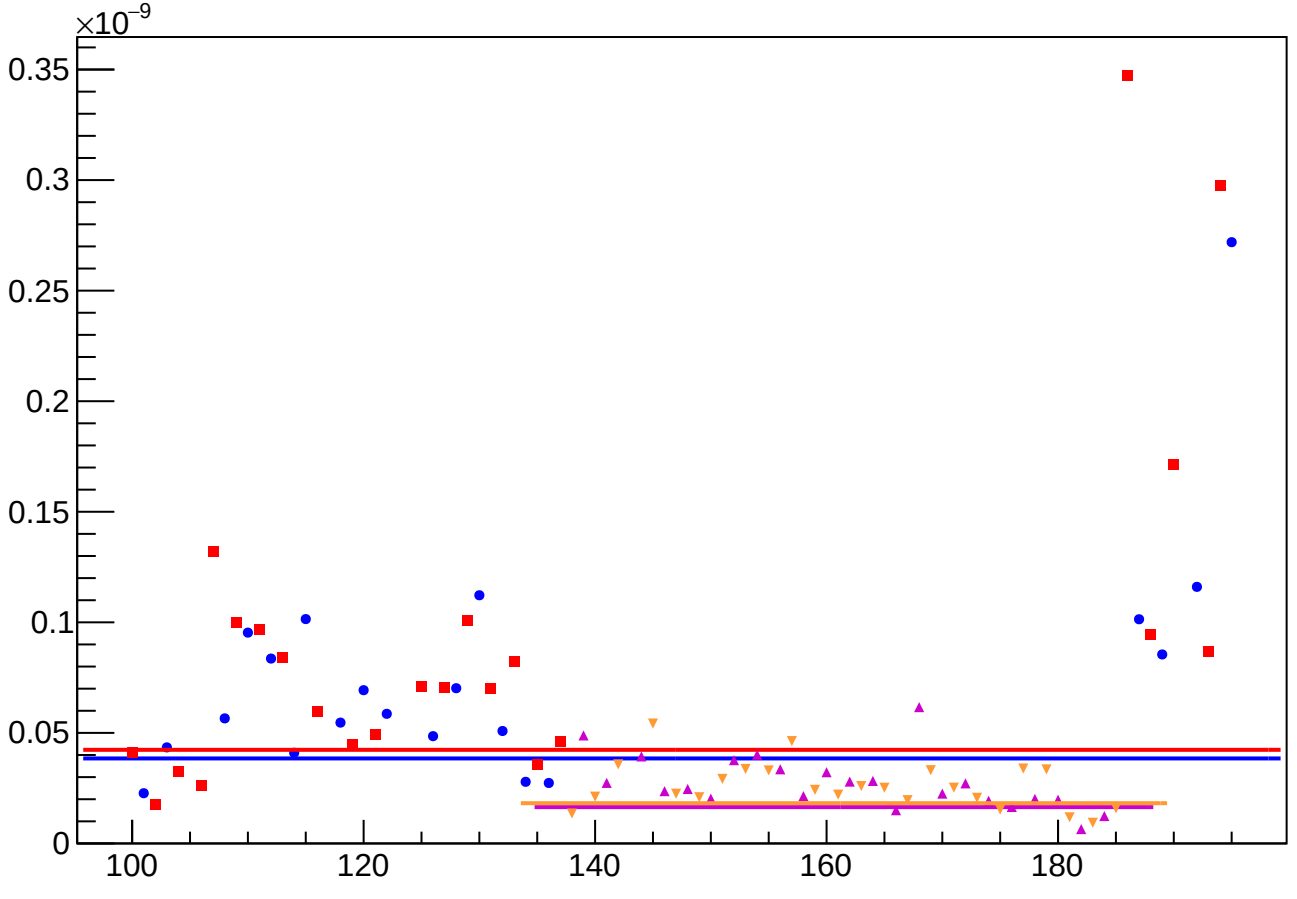
Right: 0.000+/-0.000 χ^2/NDF: 31.0/42

In: -0.000+/-0.000 χ^2/NDF:53.2/42

Out: -0.000+/-0.000 χ^2/NDF:47.5/46

All: -0.000+/-0.000 χ^2/NDF: 100.9/89

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: 3201725.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4406833.5/22

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

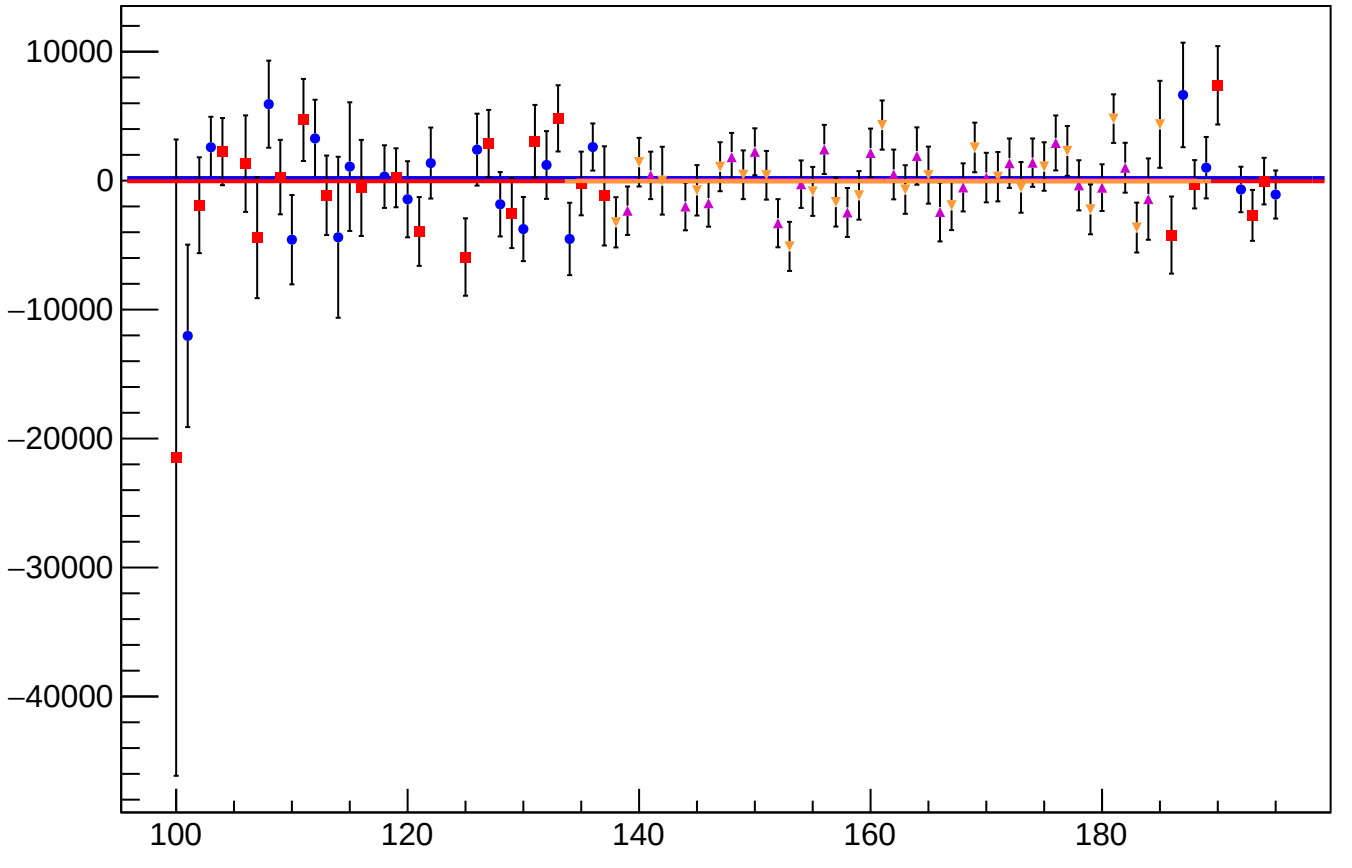
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 7646733.3/42

In: 0.000+/-0.000 χ^2/NDF:12725995.9/42

Out: 0.000+/-0.000 χ^2/NDF:11162853.9/46

All: 0.000+/-0.000 χ^2/NDF: 24000209.5/89



Right In: 200.310+/-594.269 χ^2/NDF: 22.8/19

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -46.206+/-573.668 χ^2/NDF: 27.9/22

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

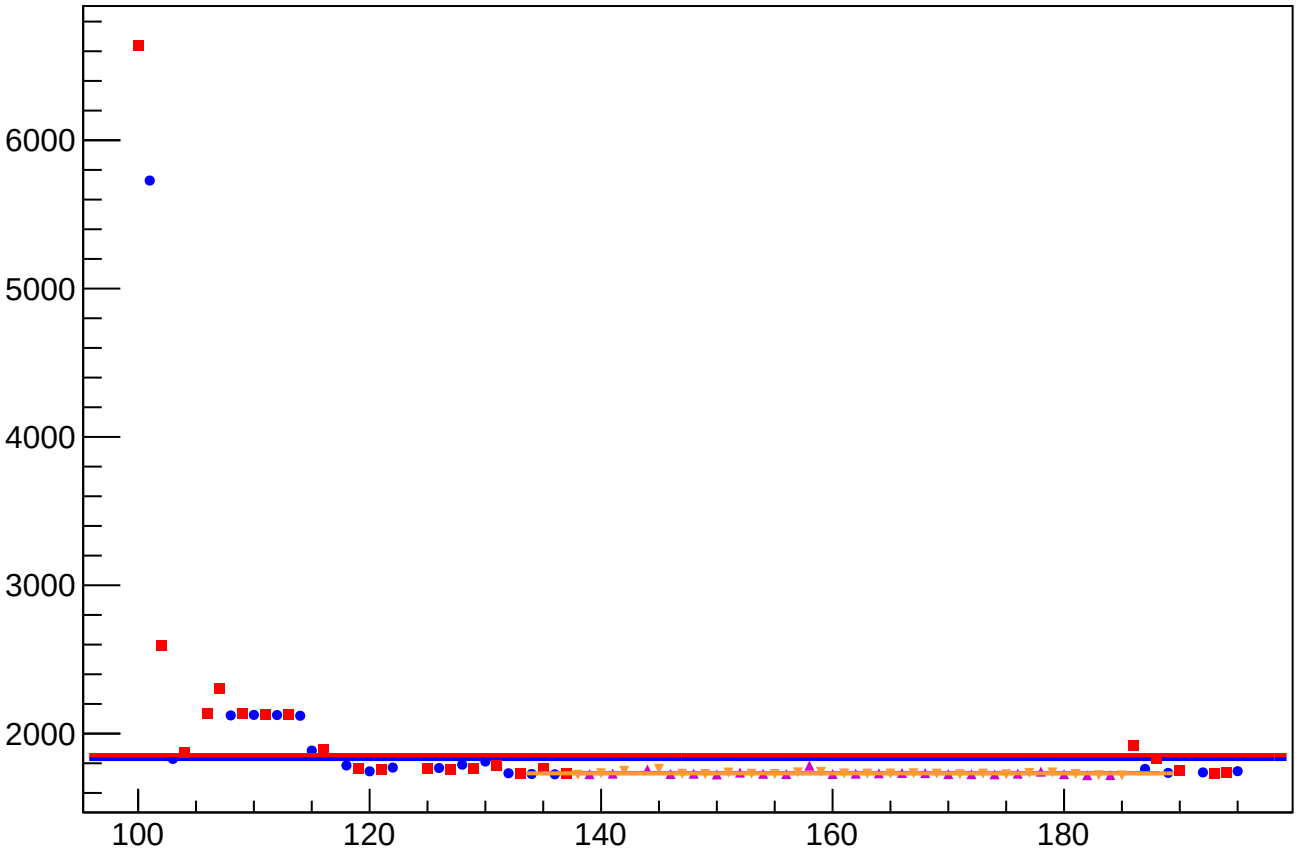
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 72.705+/-412.735 χ^2/NDF: 50.8/42

In: 99.534+/-334.502 χ^2/NDF:42.2/42

Out: -38.555+/-329.198 χ^2/NDF:63.3/46

All: 29.386+/-234.631 χ^2/NDF: 105.6/89



Right In: 1828.417+/-0.420 χ^2/NDF: 690757.8/19

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1855.634+/-0.406 χ^2/NDF: 277251.2/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

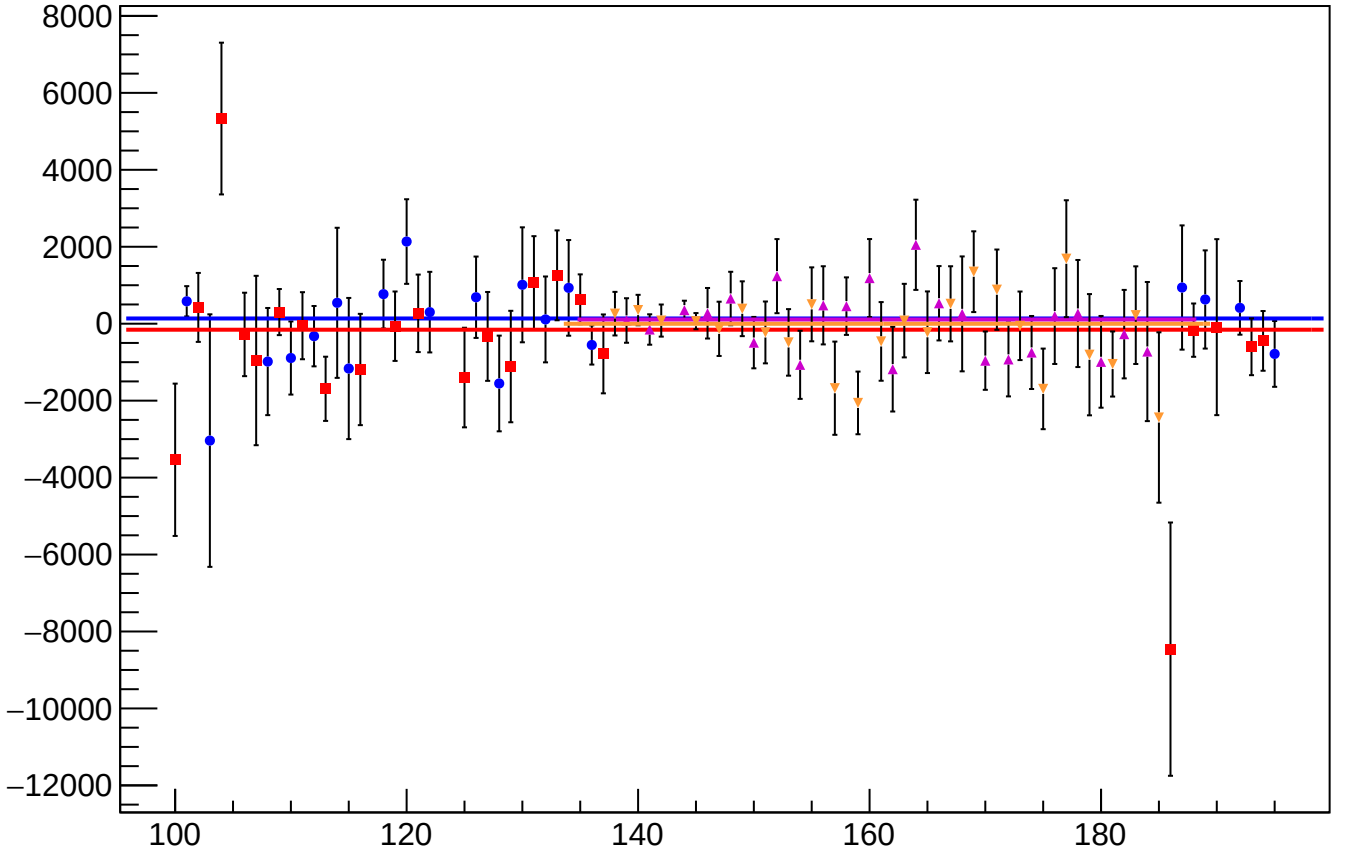
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1842.506+/-0.292 χ^2/NDF: 970180.5/42

In: 1763.447+/-0.237 χ^2/NDF:727980.4/42

Out: 1772.703+/-0.233 χ^2/NDF:340507.0/46

All: 1768.149+/-0.166 χ^2/NDF: 1069265.3/89



Right In: 135.920+/-199.750 χ^2/NDF: 15.2/19

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -156.218+/-206.385 χ^2/NDF: 28.5/22

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

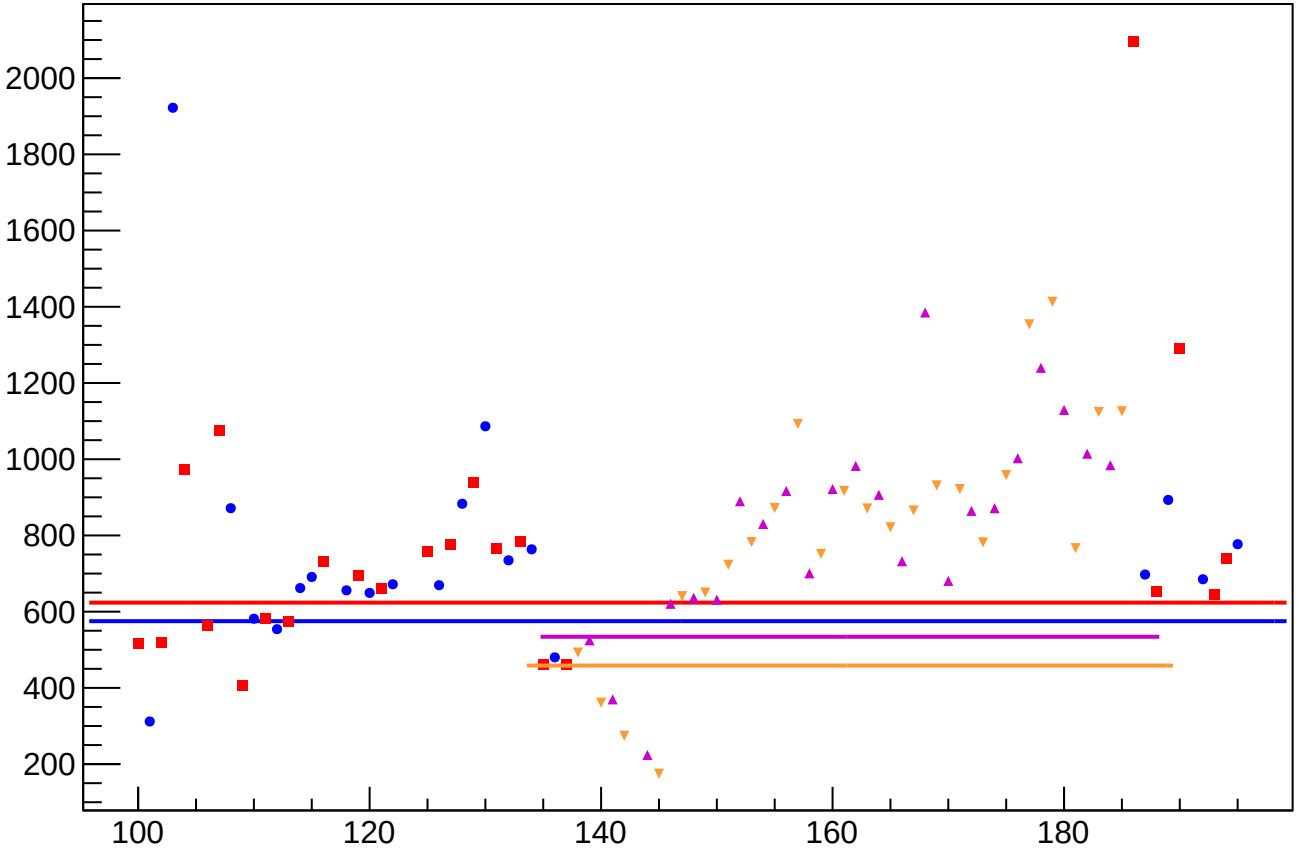
Right: -5.378+/-143.533 χ^2/NDF: 44.7/42

In: 117.743+/-116.444 χ^2/NDF:32.2/42

Out: -46.122+/-110.029 χ^2/NDF:49.2/46

All: 31.172+/-79.974 χ^2/NDF: 82.4/89

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 575.082+/-0.141 χ^2/NDF: 2205313.5/19

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 623.756+/-0.146 χ^2/NDF: 1498149.7/22

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

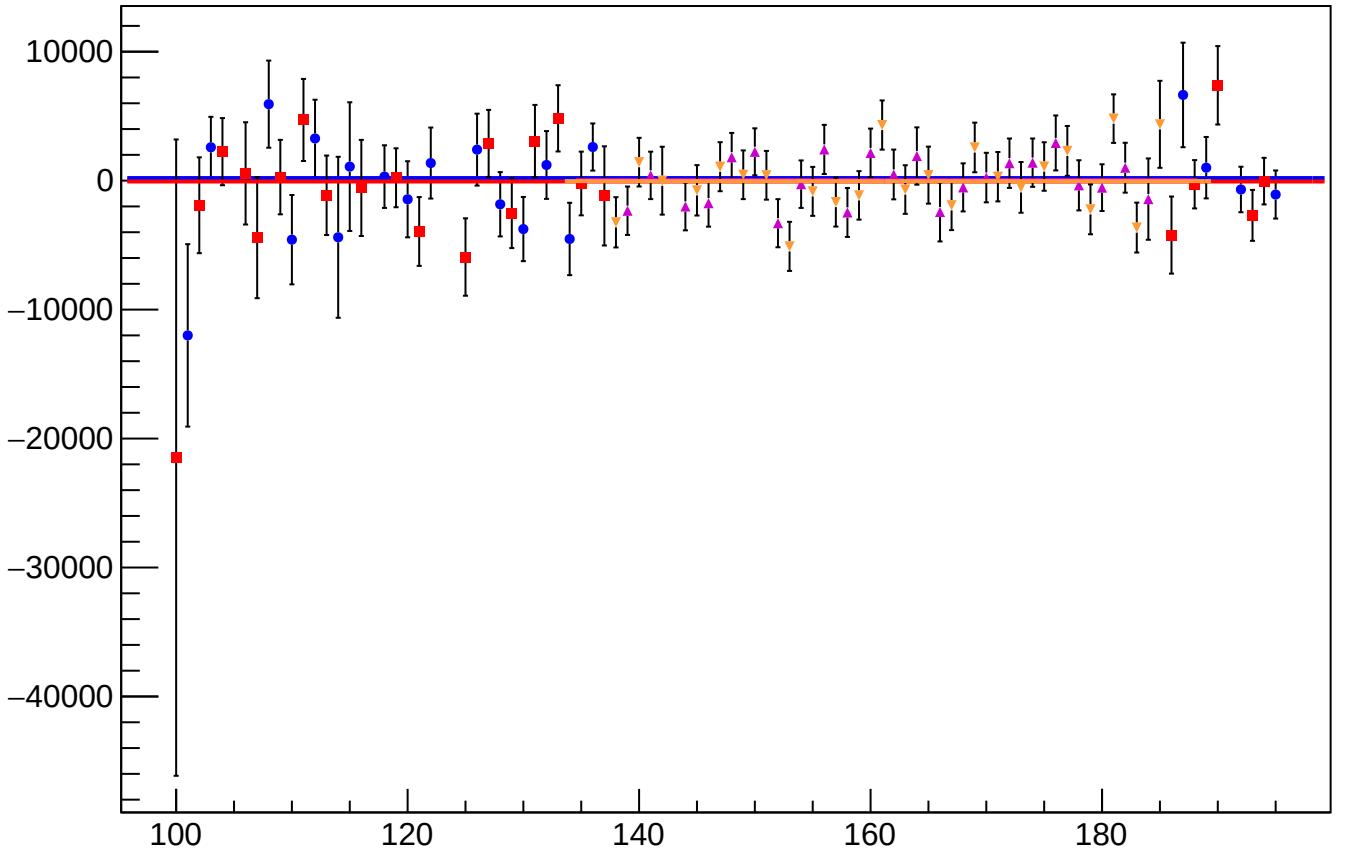
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 598.624+/-0.101 χ^2/NDF: 3760901.3/42

In: 548.067+/-0.082 χ^2/NDF:10704018.3/42

Out: 505.525+/-0.078 χ^2/NDF:13841842.3/46

All: 525.592+/-0.057 χ^2/NDF: 24686887.4/89



Right In: 200.390+/-594.269 χ^2/NDF: 22.8/19

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -65.688+/-574.403 χ^2/NDF: 27.8/22

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

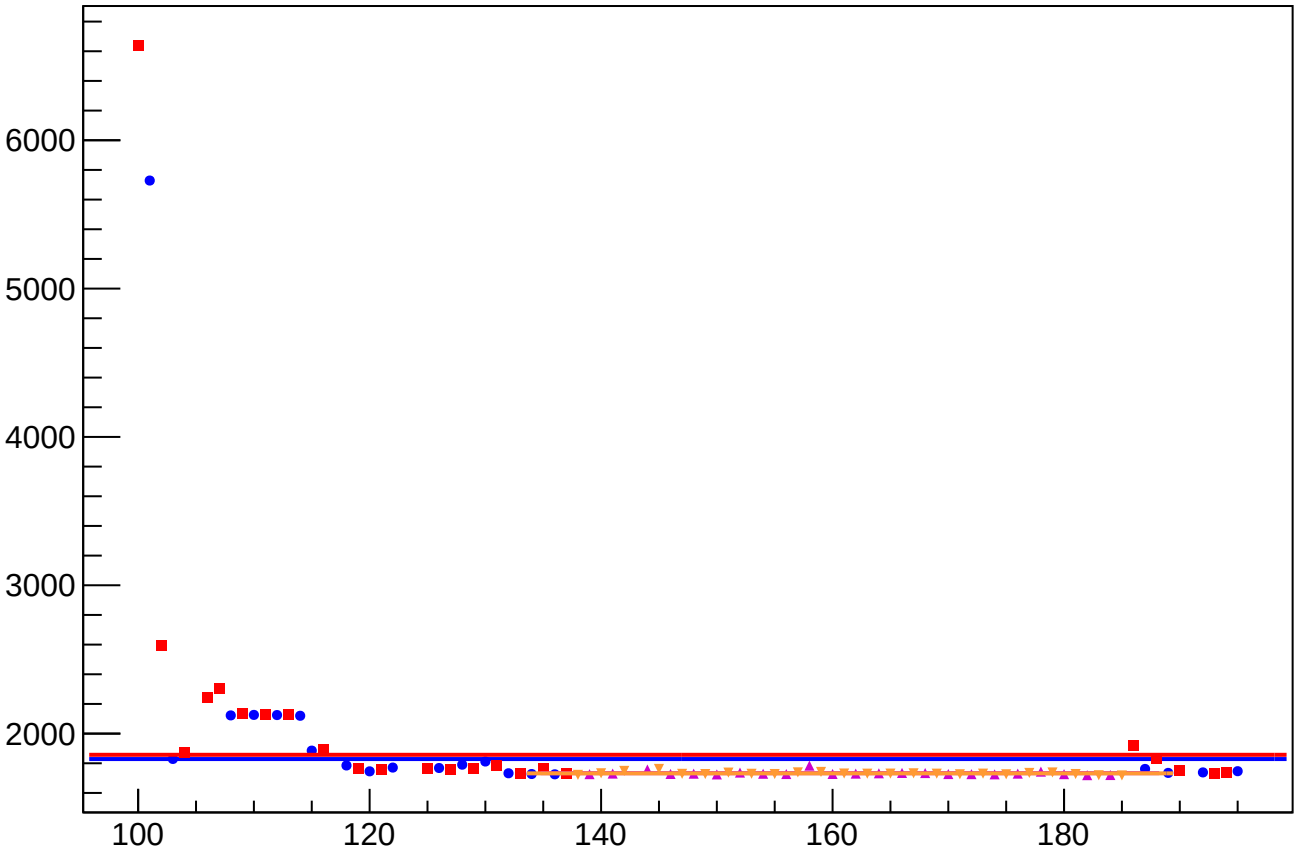
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 62.829+/-413.009 χ^2/NDF: 50.7/42

In: 99.503+/-334.502 χ^2/NDF:42.2/42

Out: -44.915+/-329.337 χ^2/NDF:63.2/46

All: 26.170+/-234.681 χ^2/NDF: 105.5/89



Right In: 1828.417+/-0.420 χ^2/NDF: 690757.7/19

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1857.120+/-0.406 χ^2/NDF: 284927.8/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

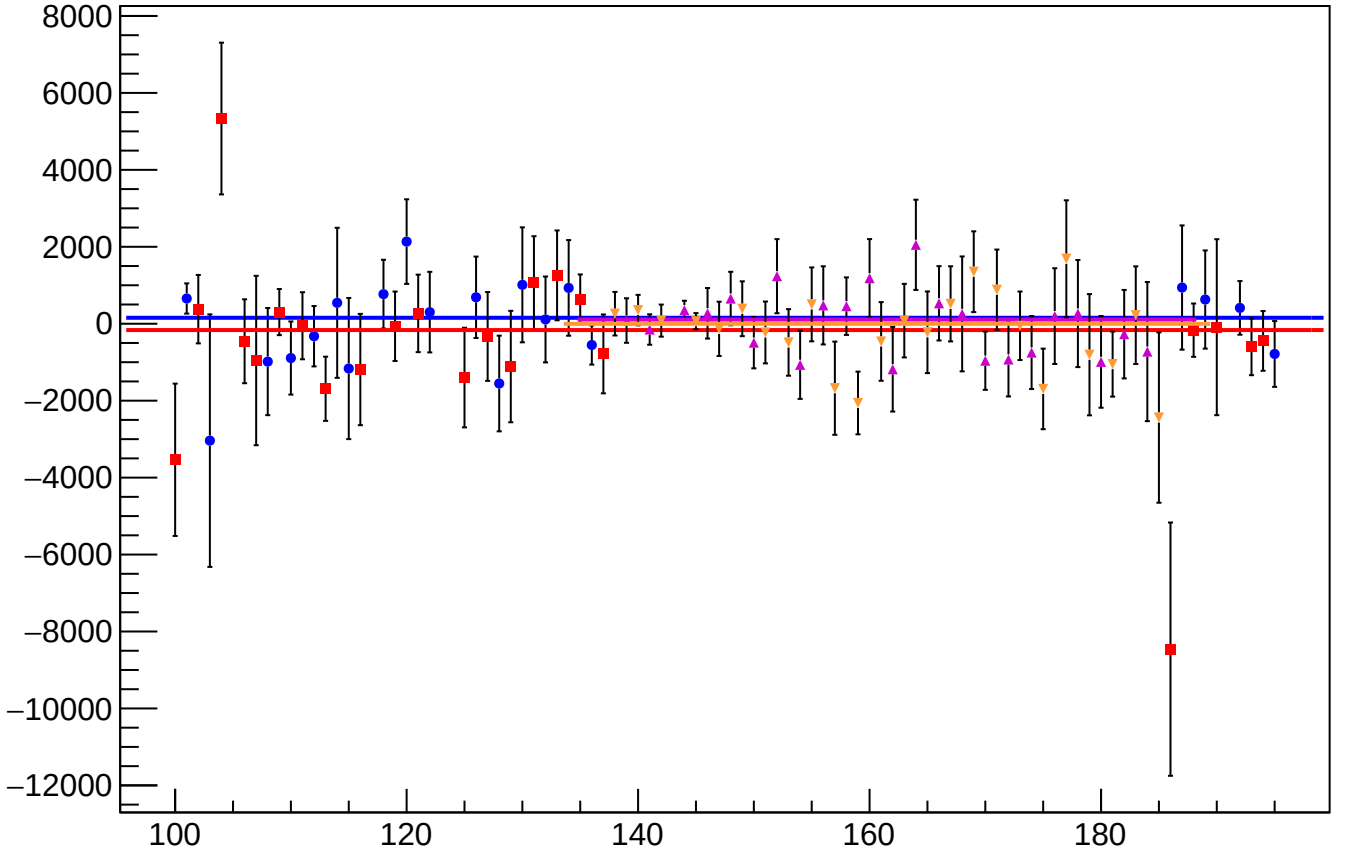
Right: 1843.256+/-0.292 χ^2/NDF: 978097.6/42

In: 1763.447+/-0.237 χ^2/NDF:727980.2/42

Out: 1773.122+/-0.233 χ^2/NDF:349580.4/46

All: 1768.359+/-0.166 χ^2/NDF: 1078410.1/89

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 155.122+/-199.694 χ^2/NDF: 15.6/19

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -164.401+/-206.349 χ^2/NDF: 28.5/22

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

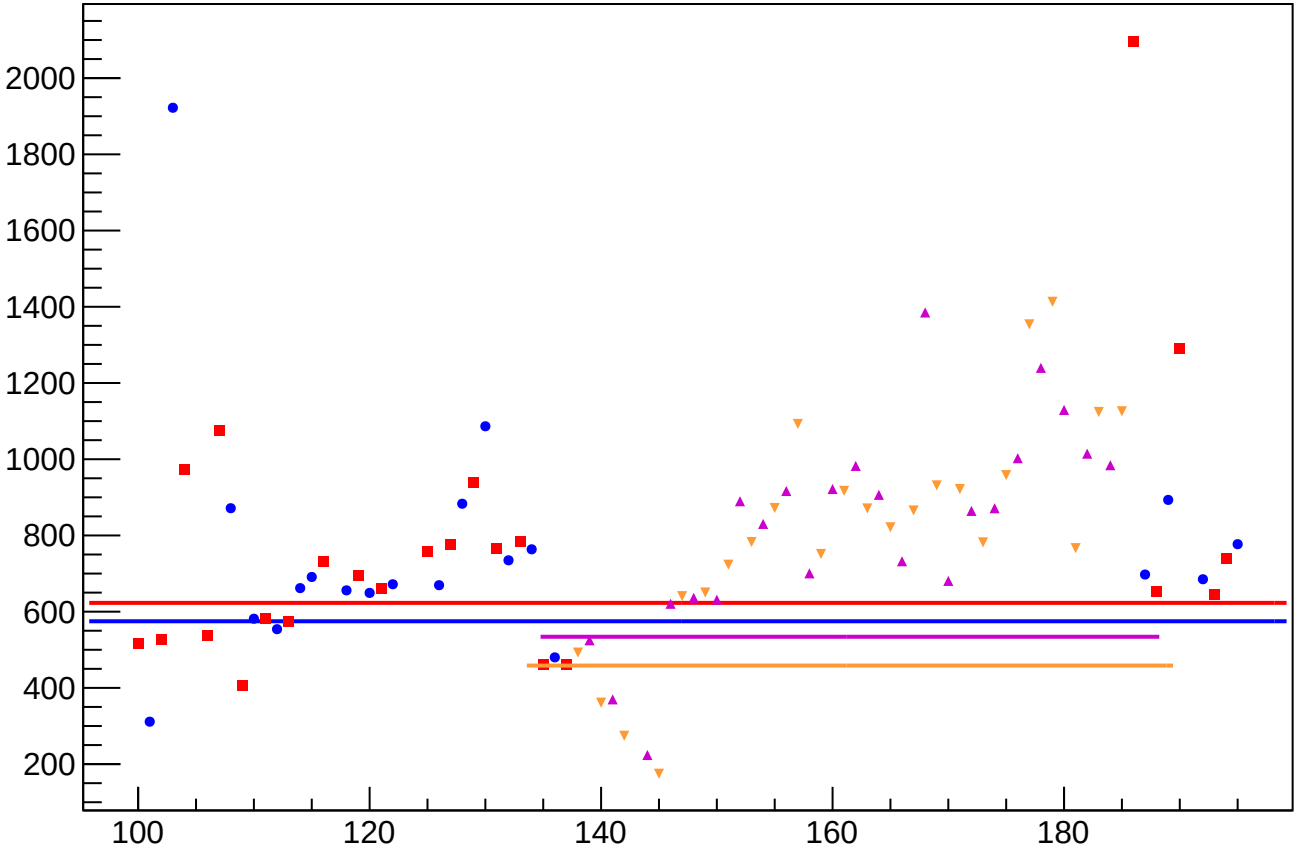
Right: 0.596+/-143.500 χ^2/NDF: 45.4/42

In: 124.256+/-116.433 χ^2/NDF:32.7/42

Out: -48.549+/-110.024 χ^2/NDF:49.2/46

All: 32.967+/-79.969 χ^2/NDF: 83.1/89

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 574.805+/-0.141 χ^2/NDF: 2210666.8/19

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 623.099+/-0.146 χ^2/NDF: 1501553.9/22

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

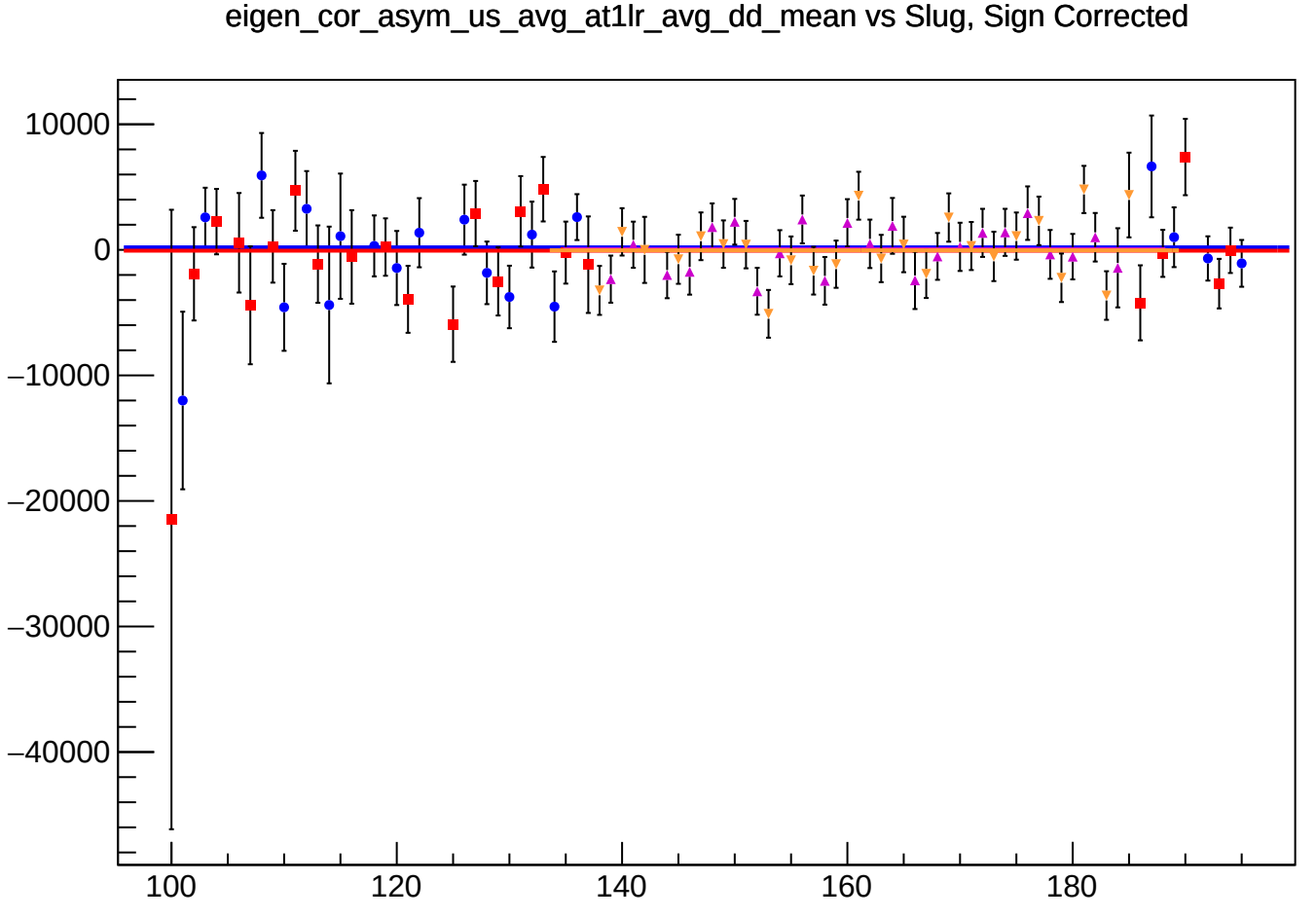
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 598.161+/-0.101 χ^2/NDF: 3768789.4/42

In: 547.983+/-0.082 χ^2/NDF:10708144.9/42

Out: 505.359+/-0.078 χ^2/NDF:13837660.8/46

All: 525.466+/-0.057 χ^2/NDF: 24687403.1/89



Right In: 200.390+/-594.269 χ^2/NDF: 22.8/19

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -65.688+/-574.403 χ^2/NDF: 27.8/22

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

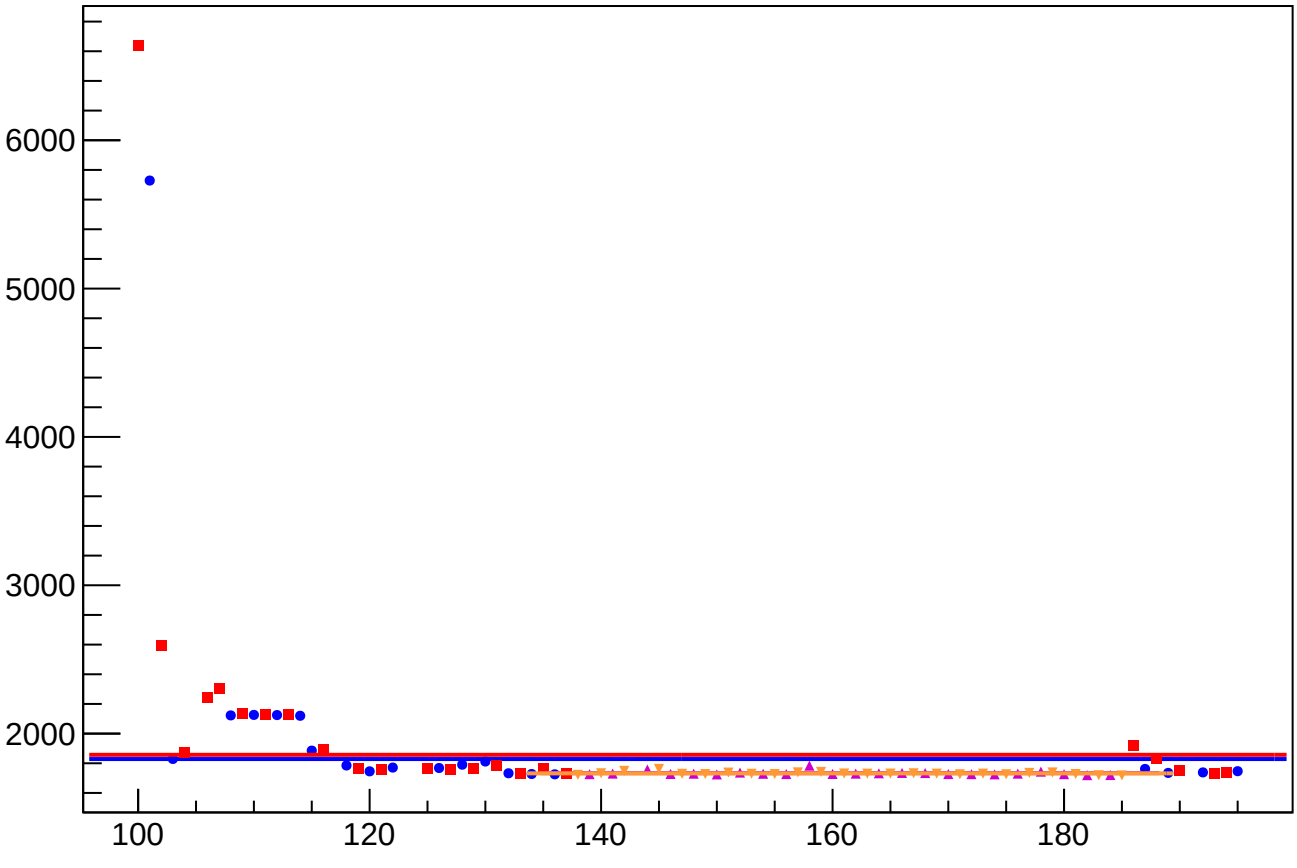
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 62.829+/-413.009 χ^2/NDF: 50.7/42

In: 99.503+/-334.502 χ^2/NDF:42.2/42

Out: -44.915+/-329.337 χ^2/NDF:63.2/46

All: 26.170+/-234.681 χ^2/NDF: 105.5/89



Right In: 1828.417+/-0.420 χ^2/NDF: 690757.7/19

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1857.120+/-0.406 χ^2/NDF: 284927.8/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

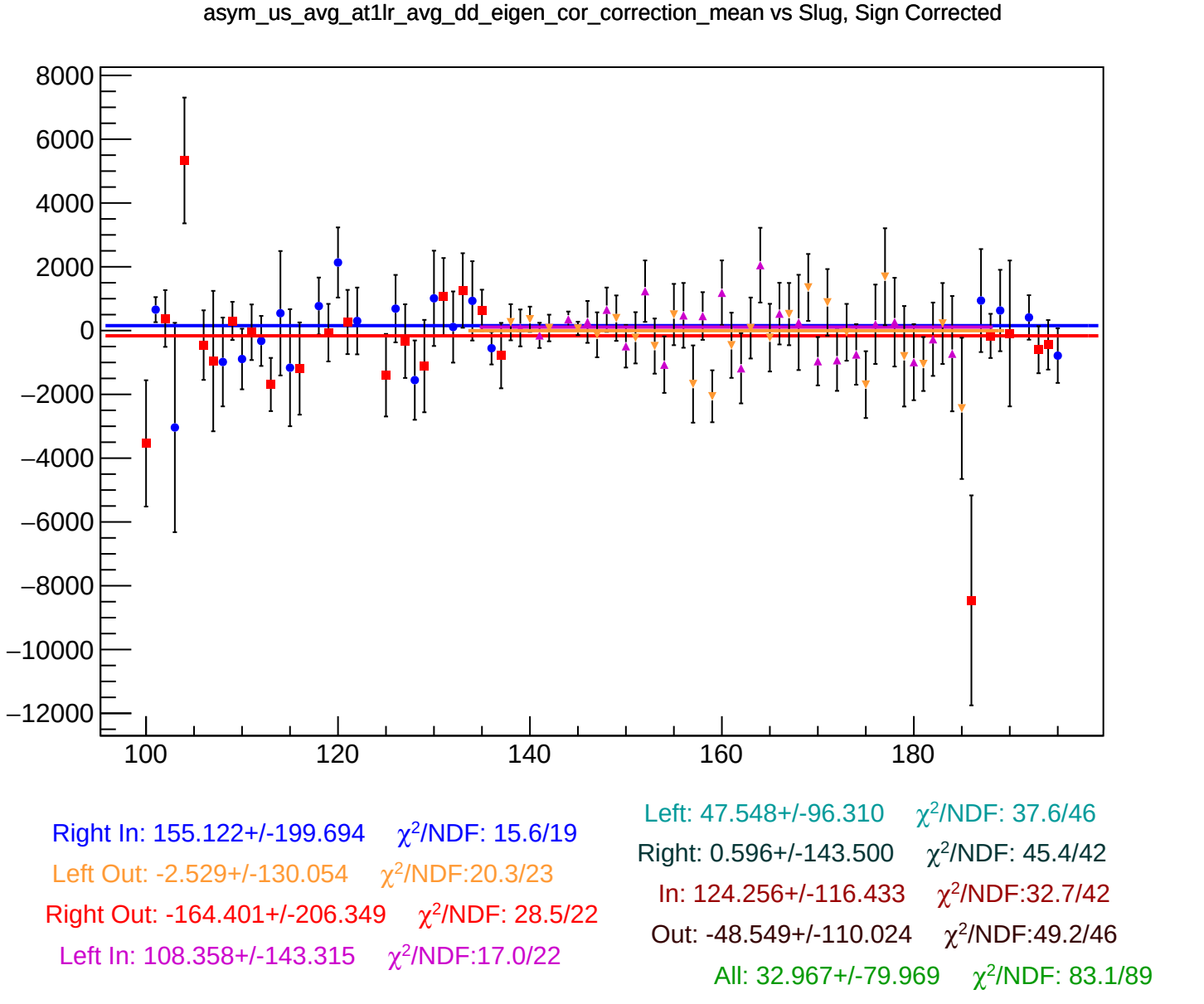
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1843.256+/-0.292 χ^2/NDF: 978097.6/42

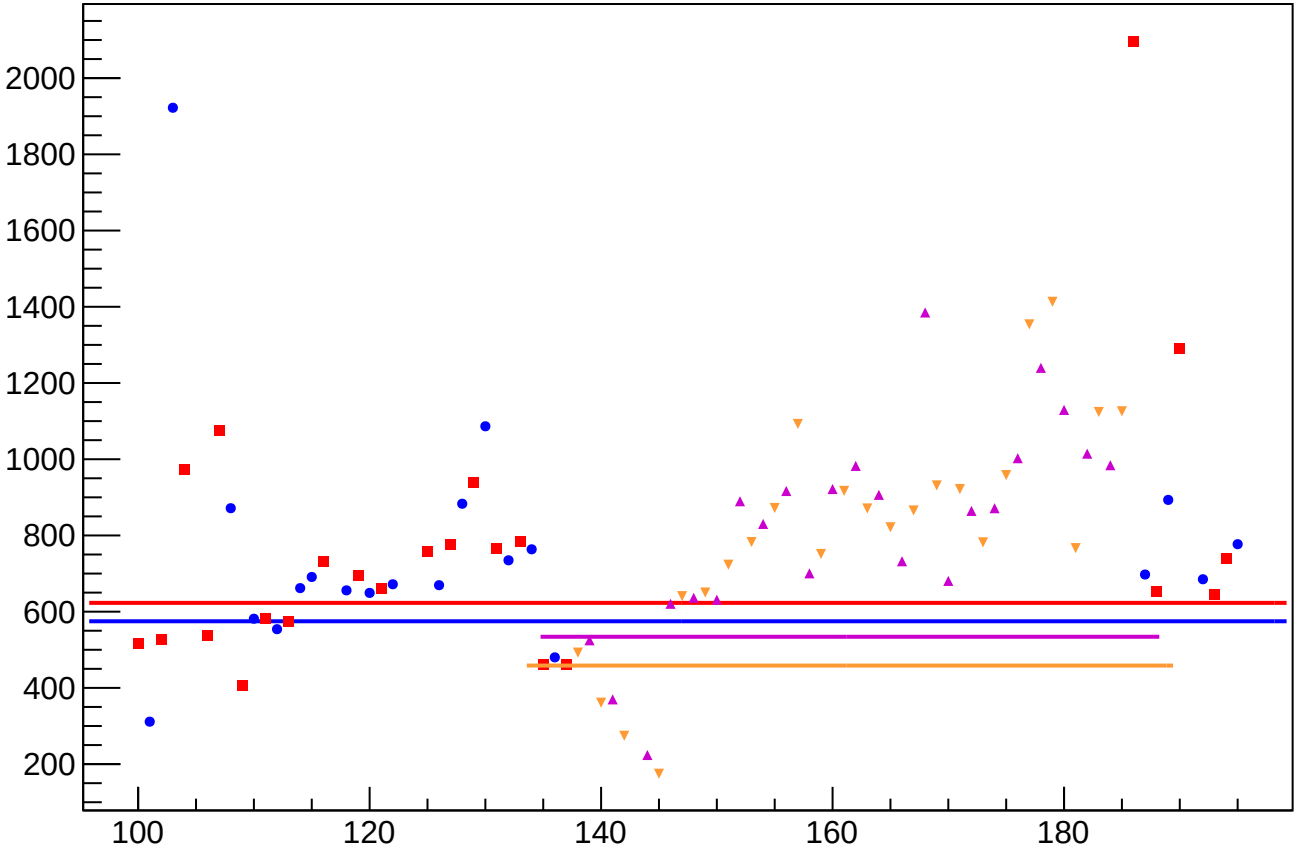
In: 1763.447+/-0.237 χ^2/NDF:727980.2/42

Out: 1773.122+/-0.233 χ^2/NDF:349580.4/46

All: 1768.359+/-0.166 χ^2/NDF: 1078410.1/89


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
Right In: 155.122+/-199.694 χ²/NDF: 15.6/19
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -164.401+/-206.349 χ²/NDF: 28.5/22
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 0.596+/-143.500 χ²/NDF: 45.4/42
In: 124.256+/-116.433 χ²/NDF:32.7/42
Out: -48.549+/-110.024 χ²/NDF:49.2/46
All: 32.967+/-79.969 χ²/NDF: 83.1/89

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 574.805+/-0.141 χ^2/NDF: 2210666.8/19

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 623.099+/-0.146 χ^2/NDF: 1501553.9/22

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

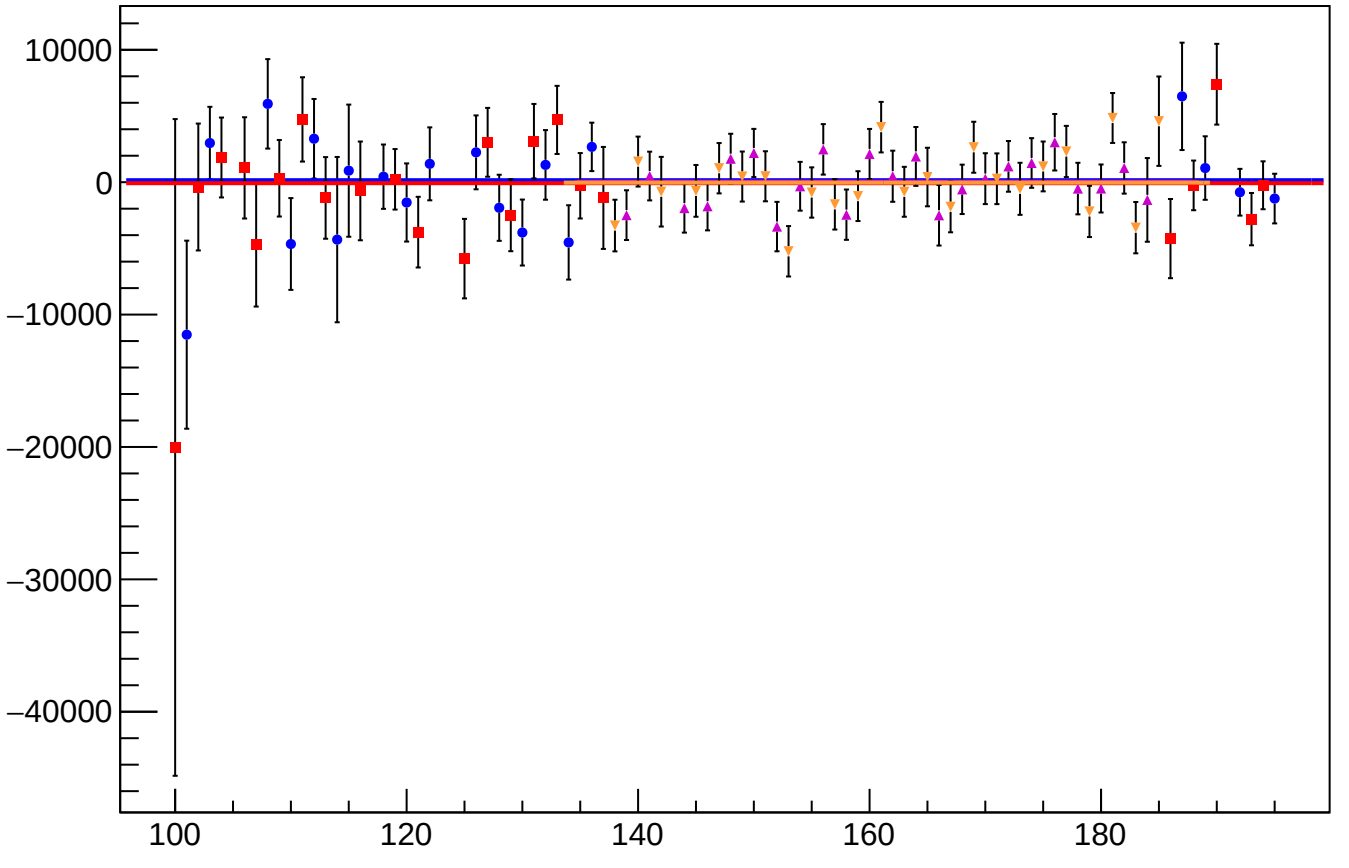
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 598.161+/-0.101 χ^2/NDF: 3768789.4/42

In: 547.983+/-0.082 χ^2/NDF:10708144.9/42

Out: 505.359+/-0.078 χ^2/NDF:13837660.8/46

All: 525.466+/-0.057 χ^2/NDF: 24687403.1/89



Right In: 152.548+/-600.153 χ^2/NDF: 22.8/19

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -75.573+/-580.940 χ^2/NDF: 27.0/22

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

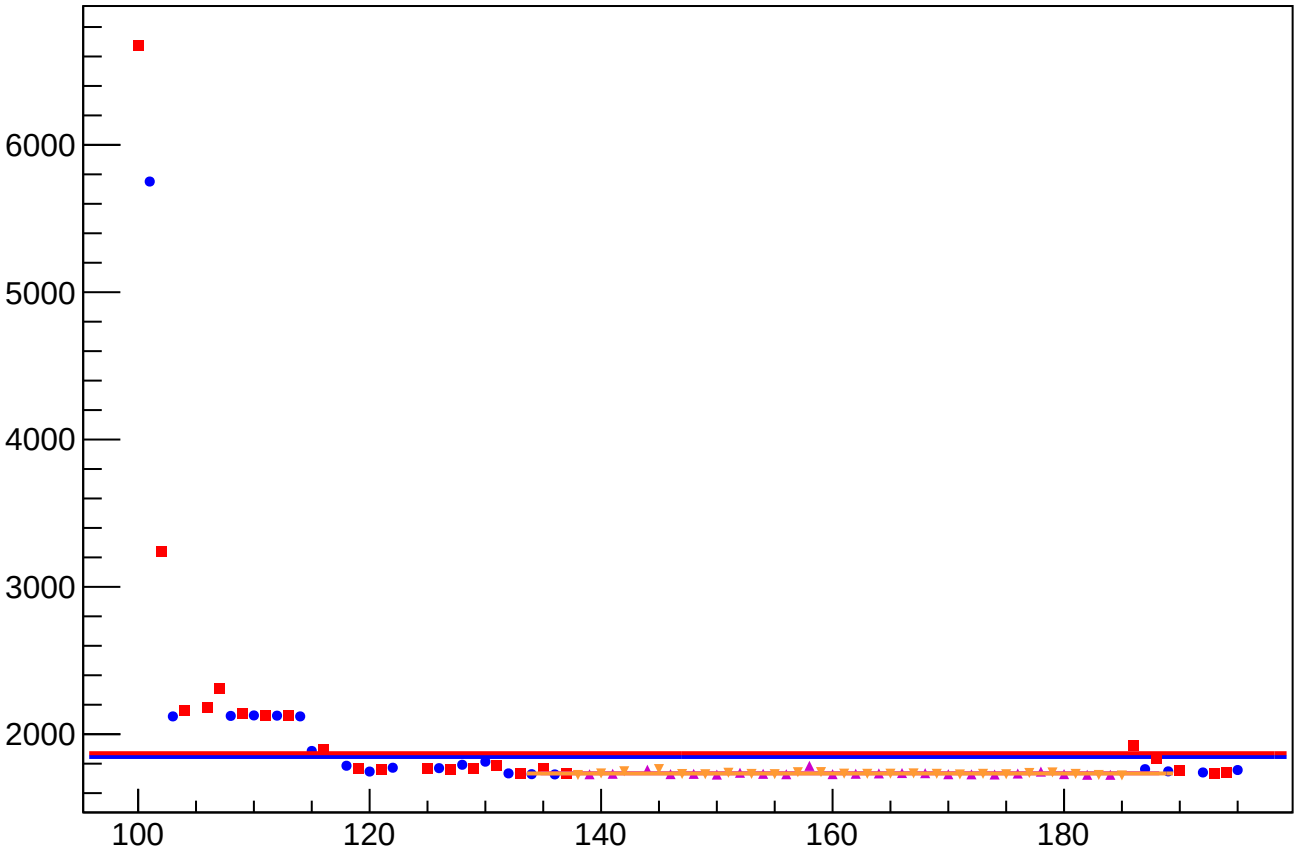
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 34.777+/-417.414 χ^2/NDF: 49.9/42

In: 76.916+/-335.740 χ^2/NDF:42.7/42

Out: -44.359+/-330.748 χ^2/NDF:62.4/46

All: 15.370+/-235.619 χ^2/NDF: 105.2/89



Right In: 1845.480+/-0.424 χ^2/NDF: 711962.7/19

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1870.980+/-0.411 χ^2/NDF: 385811.2/22

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

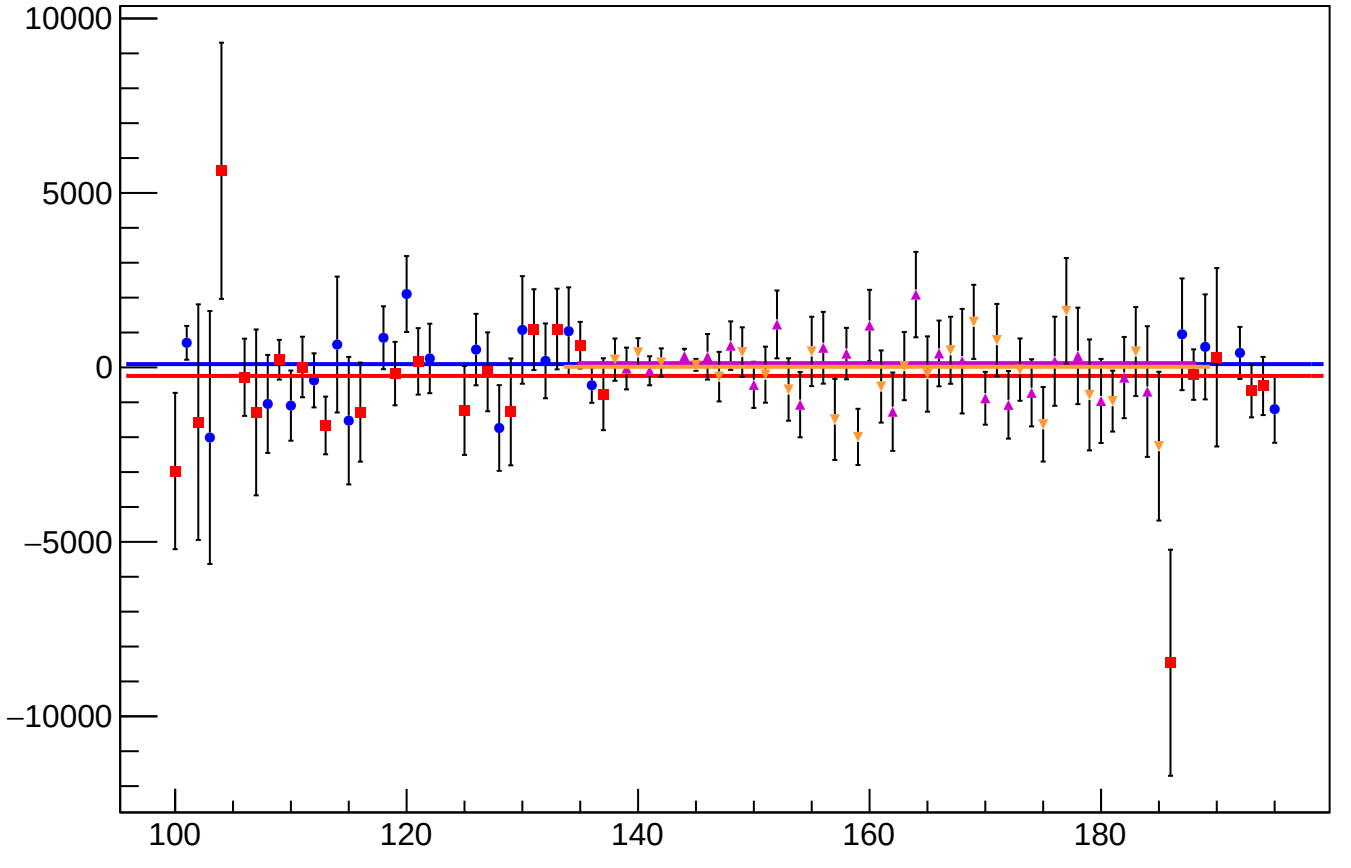
Right: 1858.645+/-0.295 χ^2/NDF: 1099638.0/42

In: 1769.445+/-0.237 χ^2/NDF:760864.1/42

Out: 1778.048+/-0.234 χ^2/NDF:462438.5/46

All: 1773.811+/-0.167 χ^2/NDF: 1223969.0/89

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 94.234+/-211.614 χ^2/NDF: 16.5/19

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -243.915+/-213.812 χ^2/NDF: 21.5/22

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

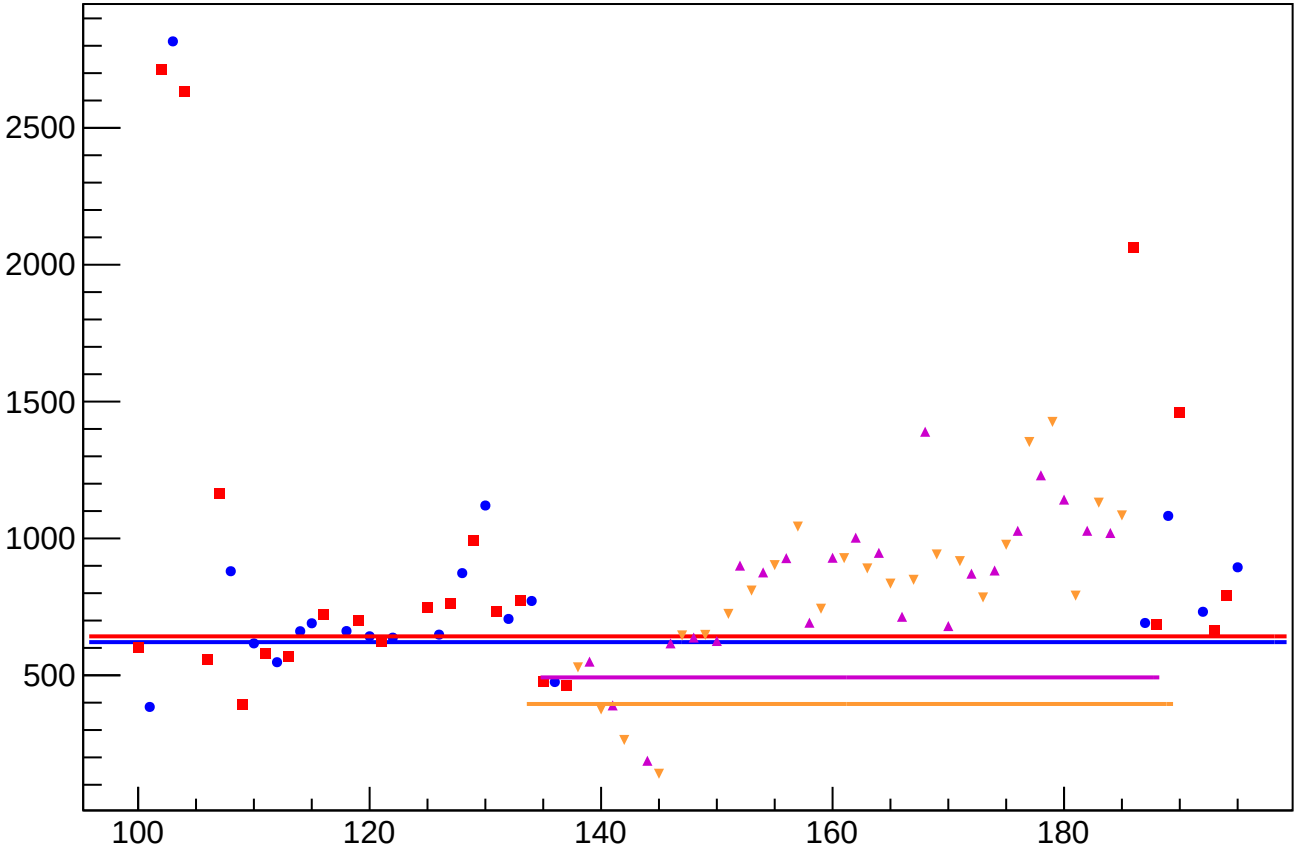
Right: -73.094+/-150.405 χ^2/NDF: 39.3/42

In: 113.579+/-115.092 χ^2/NDF:33.0/42

Out: -44.188+/-104.202 χ^2/NDF:42.1/46

All: 26.881+/-77.246 χ^2/NDF: 76.1/89

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 621.160+/-0.150 χ^2/NDF: 2207196.1/19

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 642.233+/-0.151 χ^2/NDF: 2903436.4/22

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

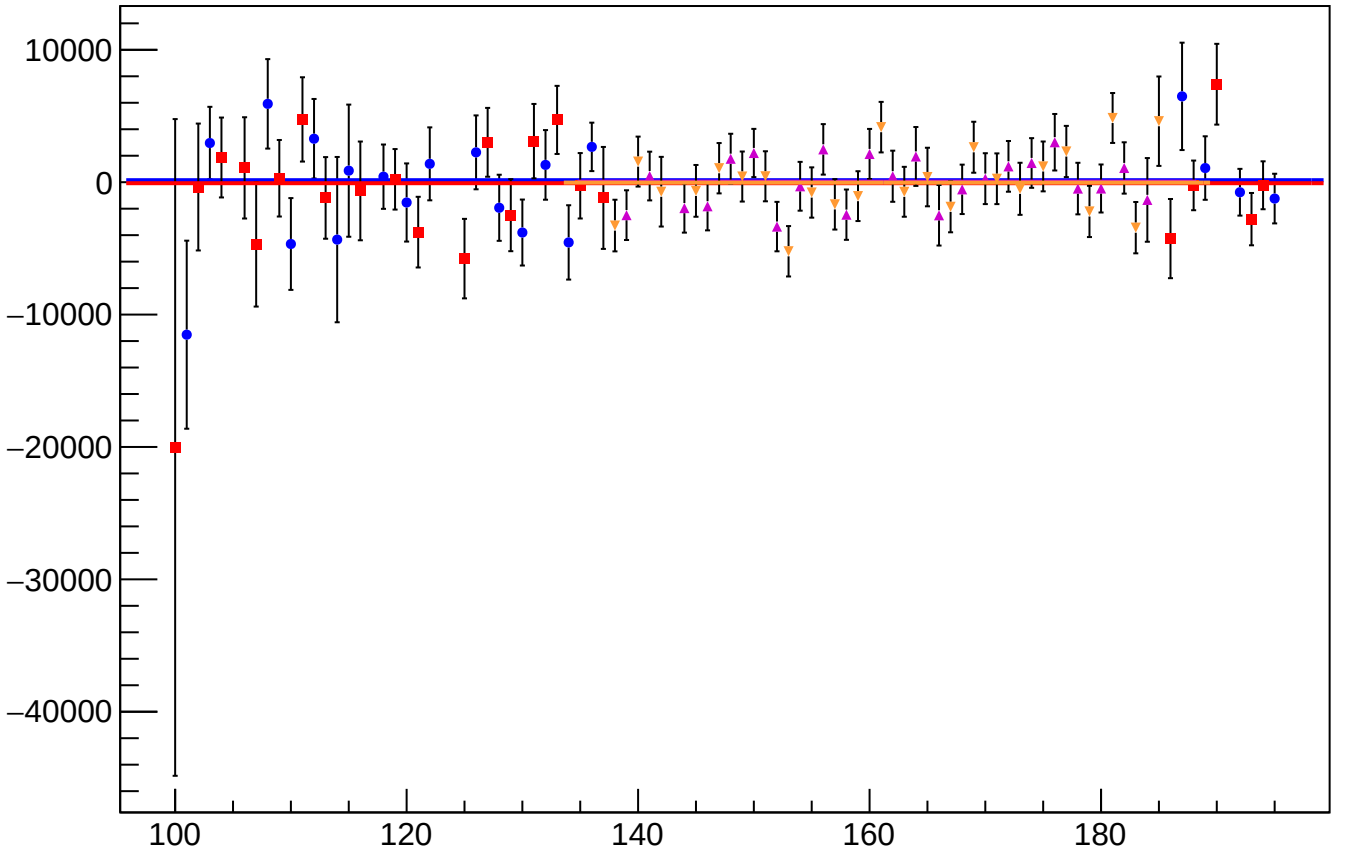
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 631.588+/-0.106 χ^2/NDF: 5120446.6/42

In: 530.413+/-0.081 χ^2/NDF:13148985.4/42

Out: 453.865+/-0.074 χ^2/NDF:19273725.0/46

All: 488.347+/-0.055 χ^2/NDF: 32908897.9/89



Right In: 152.548+/-600.153 χ^2/NDF: 22.8/19

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -75.572+/-580.939 χ^2/NDF: 27.0/22

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

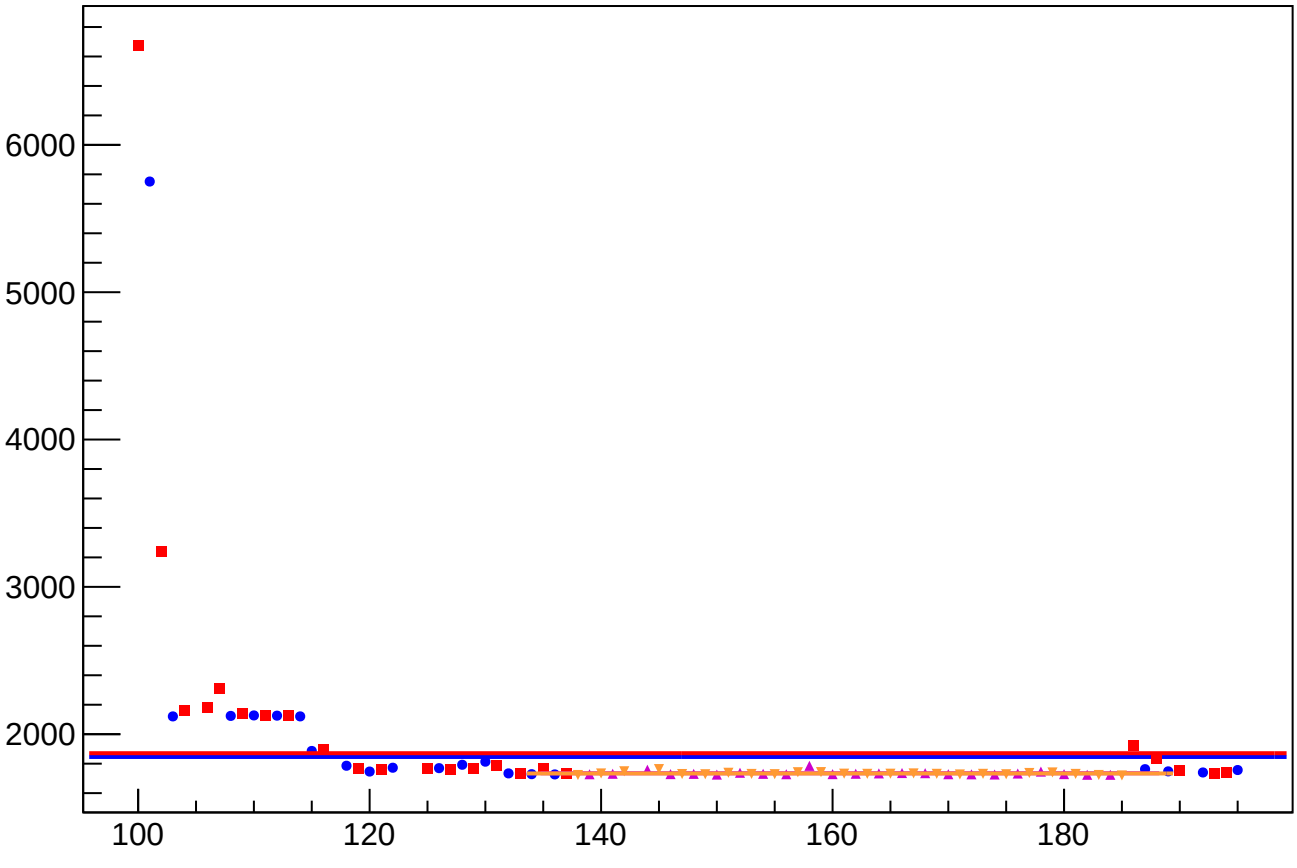
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 34.778+/-417.414 χ^2/NDF: 49.9/42

In: 76.916+/-335.740 χ^2/NDF:42.7/42

Out: -44.360+/-330.748 χ^2/NDF:62.4/46

All: 15.369+/-235.619 χ^2/NDF: 105.2/89



Right In: 1845.480+/-0.424 χ^2/NDF: 711962.4/19

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1870.980+/-0.411 χ^2/NDF: 385810.4/22

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

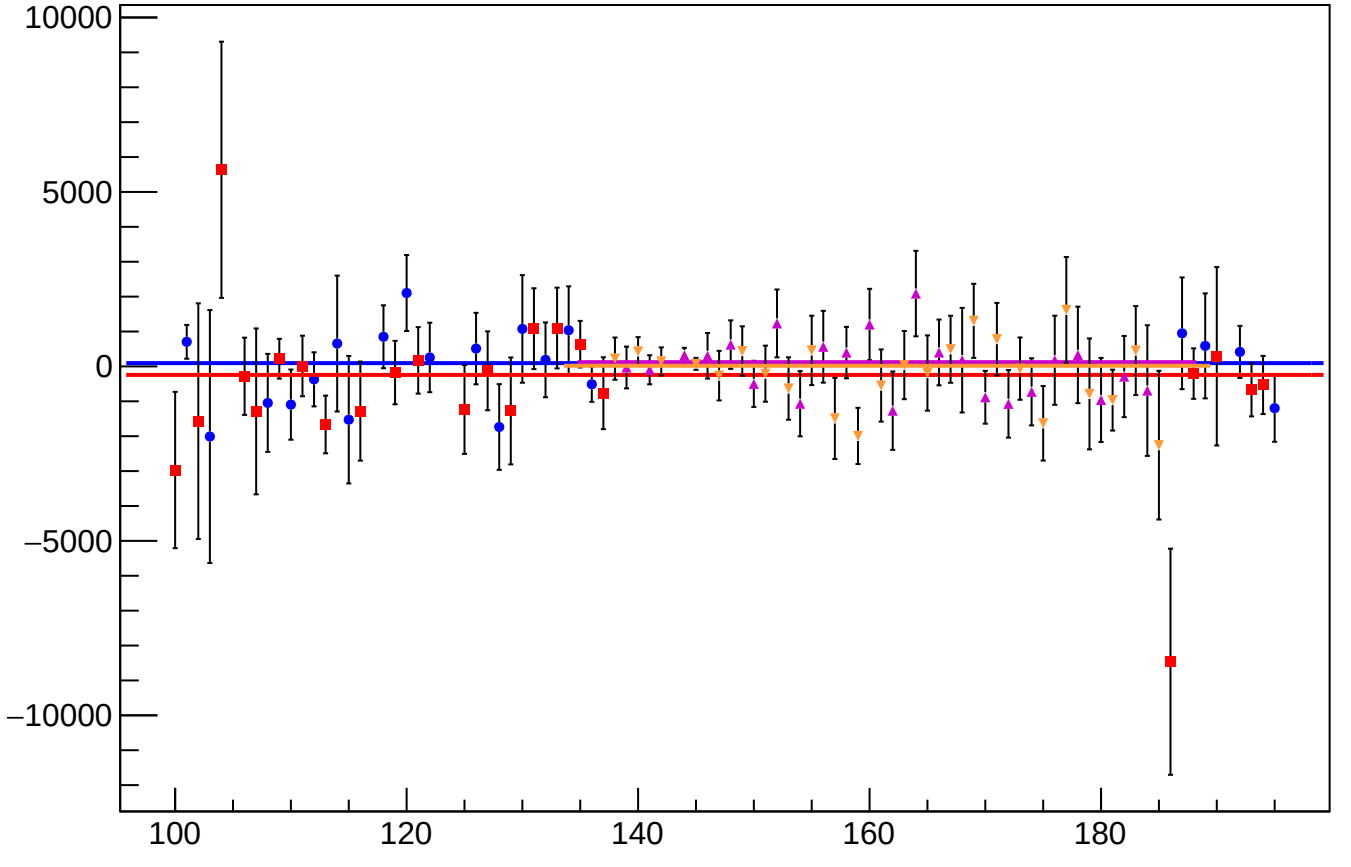
Right: 1858.645+/-0.295 χ^2/NDF: 1099636.9/42

In: 1769.445+/-0.237 χ^2/NDF:760863.7/42

Out: 1778.048+/-0.234 χ^2/NDF:462437.6/46

All: 1773.811+/-0.167 χ^2/NDF: 1223967.8/89

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 94.232+/-211.613 χ^2/NDF: 16.5/19

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -243.913+/-213.811 χ^2/NDF: 21.5/22

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

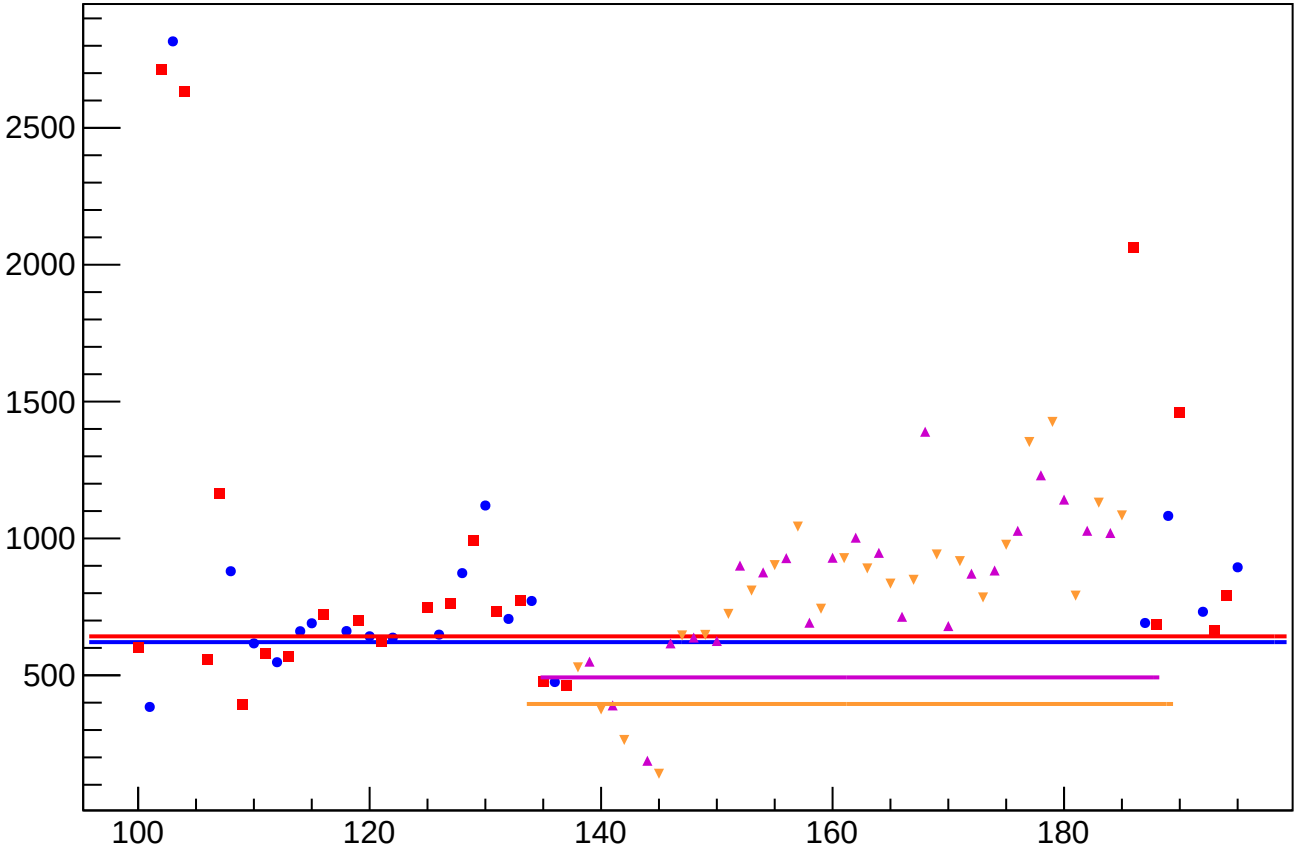
Right: -73.094+/-150.404 χ^2/NDF: 39.3/42

In: 113.579+/-115.092 χ^2/NDF:33.0/42

Out: -44.189+/-104.202 χ^2/NDF:42.1/46

All: 26.880+/-77.246 χ^2/NDF: 76.1/89

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 621.158+/-0.150 χ^2/NDF: 2207189.5/19

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 642.229+/-0.151 χ^2/NDF: 2903453.7/22

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

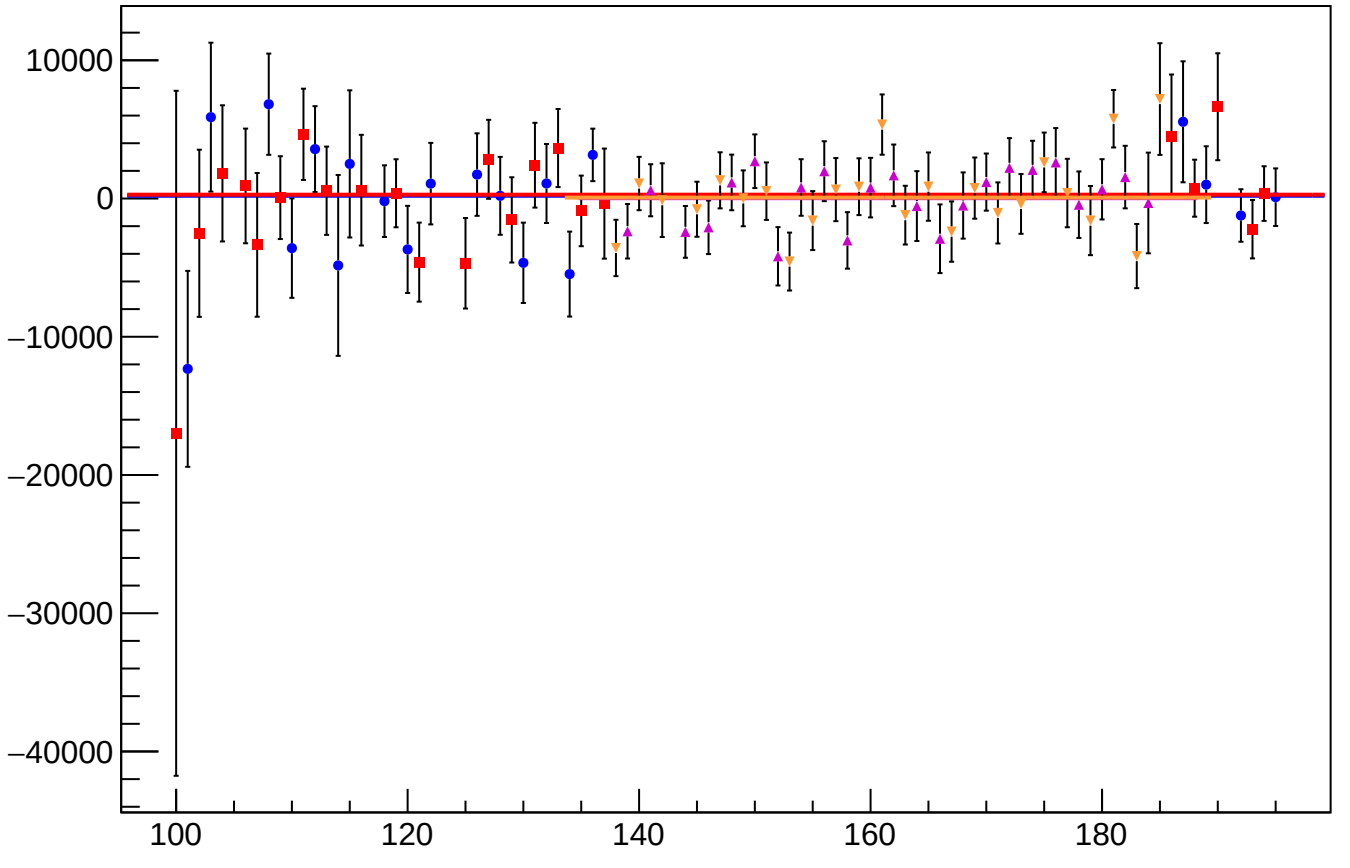
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 631.585+/-0.106 χ^2/NDF: 5120455.4/42

In: 530.413+/-0.081 χ^2/NDF:13148982.6/42

Out: 453.865+/-0.074 χ^2/NDF:19273733.5/46

All: 488.347+/-0.055 χ^2/NDF: 32908910.3/89



Right In: 201.433+/-661.560 χ^2/NDF: 23.3/19

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 276.943+/-643.145 χ^2/NDF: 16.6/22

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

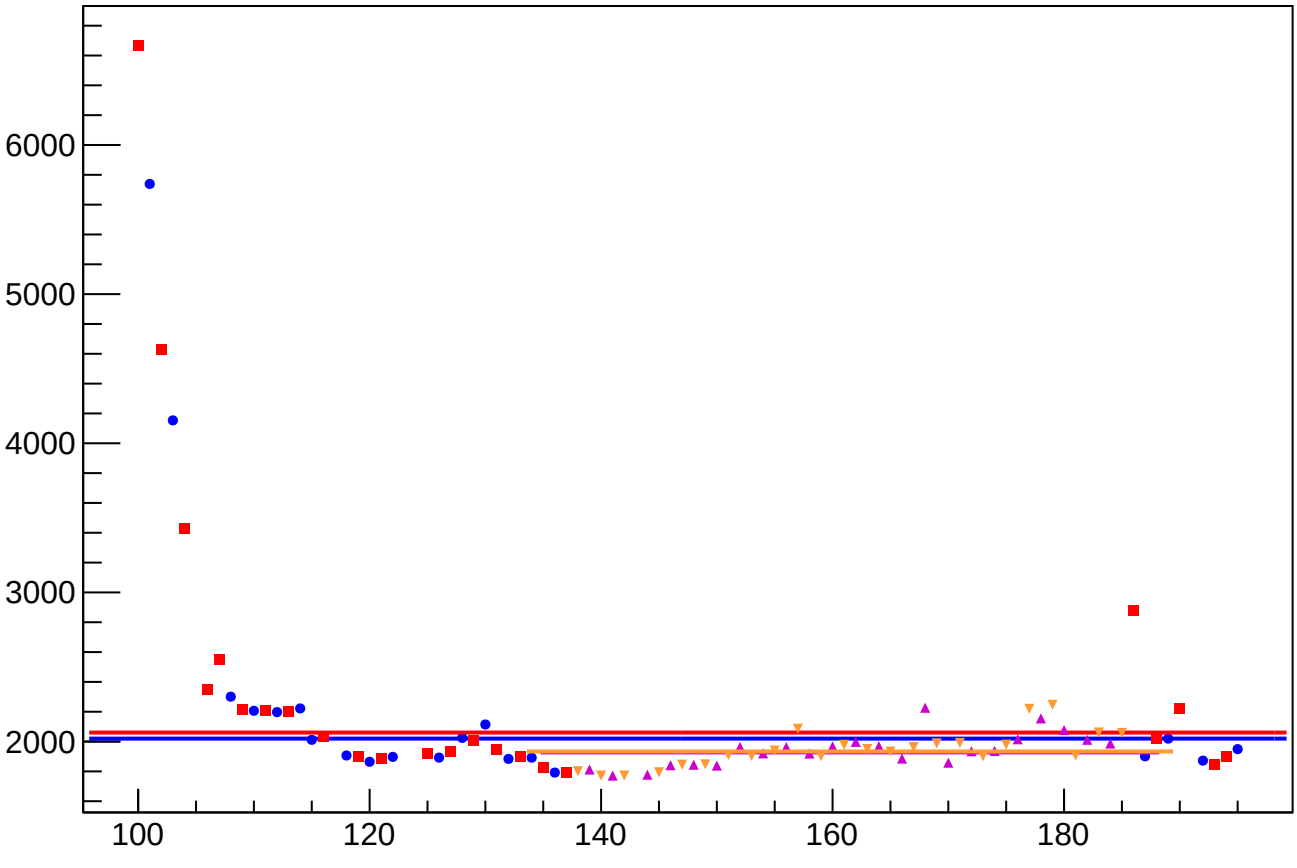
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 240.254+/-461.145 χ^2/NDF: 40.0/42

In: 81.331+/-372.507 χ^2/NDF:43.3/42

Out: 135.721+/-368.571 χ^2/NDF:50.3/46

All: 108.815+/-262.000 χ^2/NDF: 93.6/89



Right In: 2019.808+/-0.468 χ^2/NDF: 960724.6/19

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2060.350+/-0.455 χ^2/NDF: 788449.6/22

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

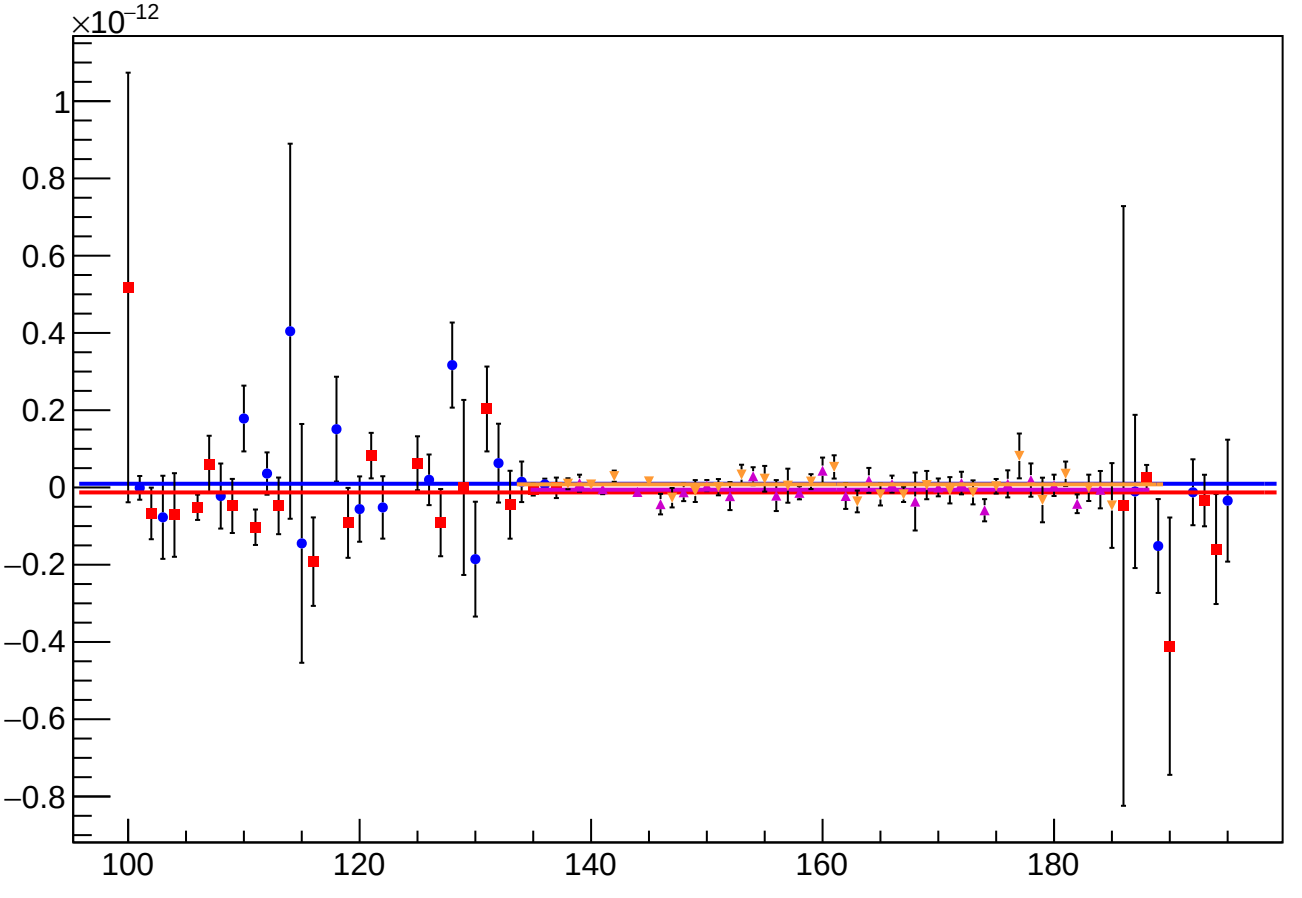
Right: 2040.651+/-0.326 χ^2/NDF: 1753035.7/42

In: 1956.510+/-0.263 χ^2/NDF:1103969.5/42

Out: 1975.364+/-0.261 χ^2/NDF:968981.6/46

All: 1966.037+/-0.185 χ^2/NDF: 2075540.0/89

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/22

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

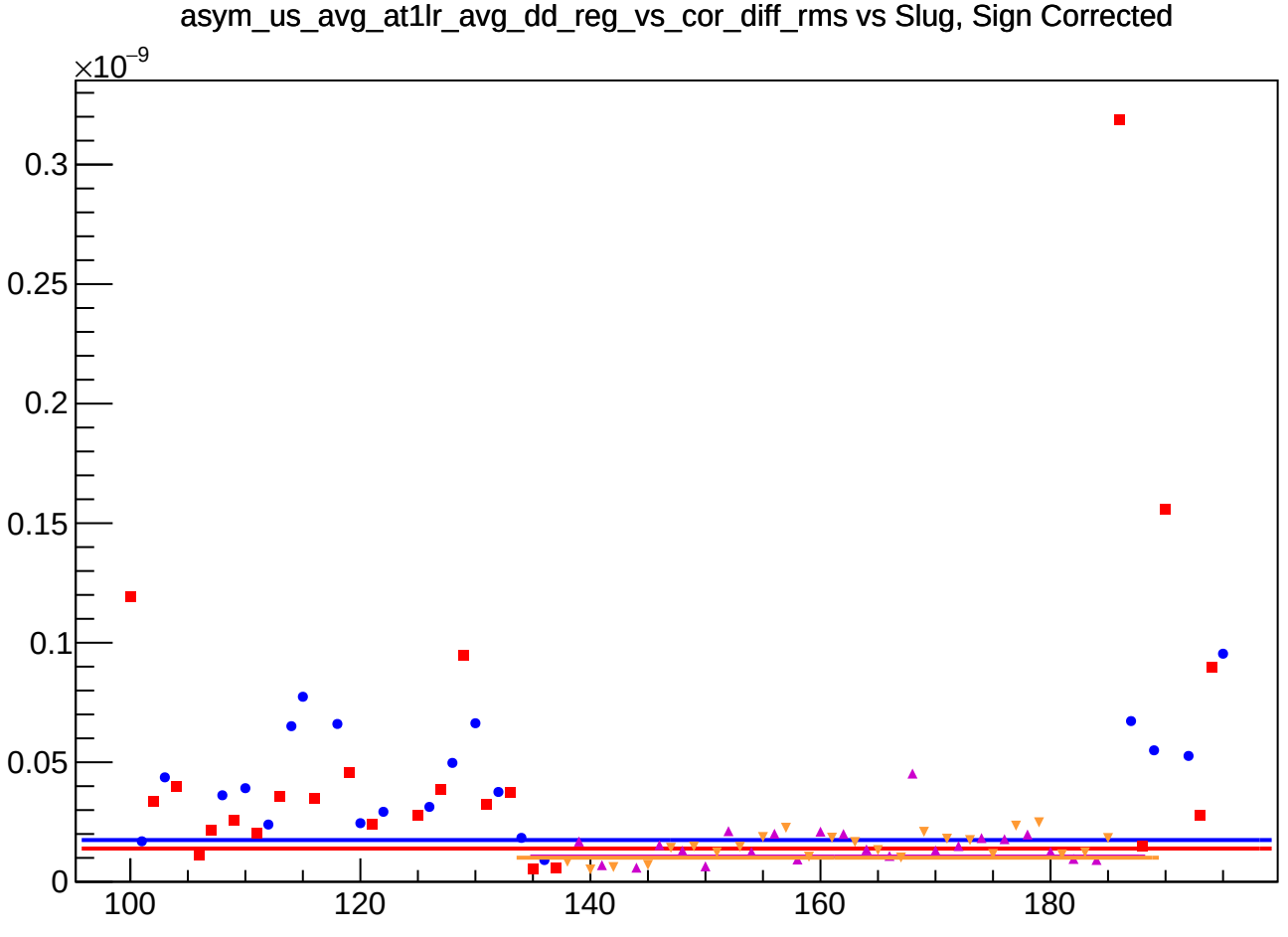
Left: 0.000+/-0.000 χ^2/NDF: 38.9/46

Right: -0.000+/-0.000 χ^2/NDF: 47.1/42

In: -0.000+/-0.000 χ^2/NDF:38.3/42

Out: 0.000+/-0.000 χ^2/NDF:45.9/46

All: 0.000+/-0.000 χ^2/NDF: 86.3/89



Right In: 0.000+/-0.000 χ^2/NDF: 3116938.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3838722.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

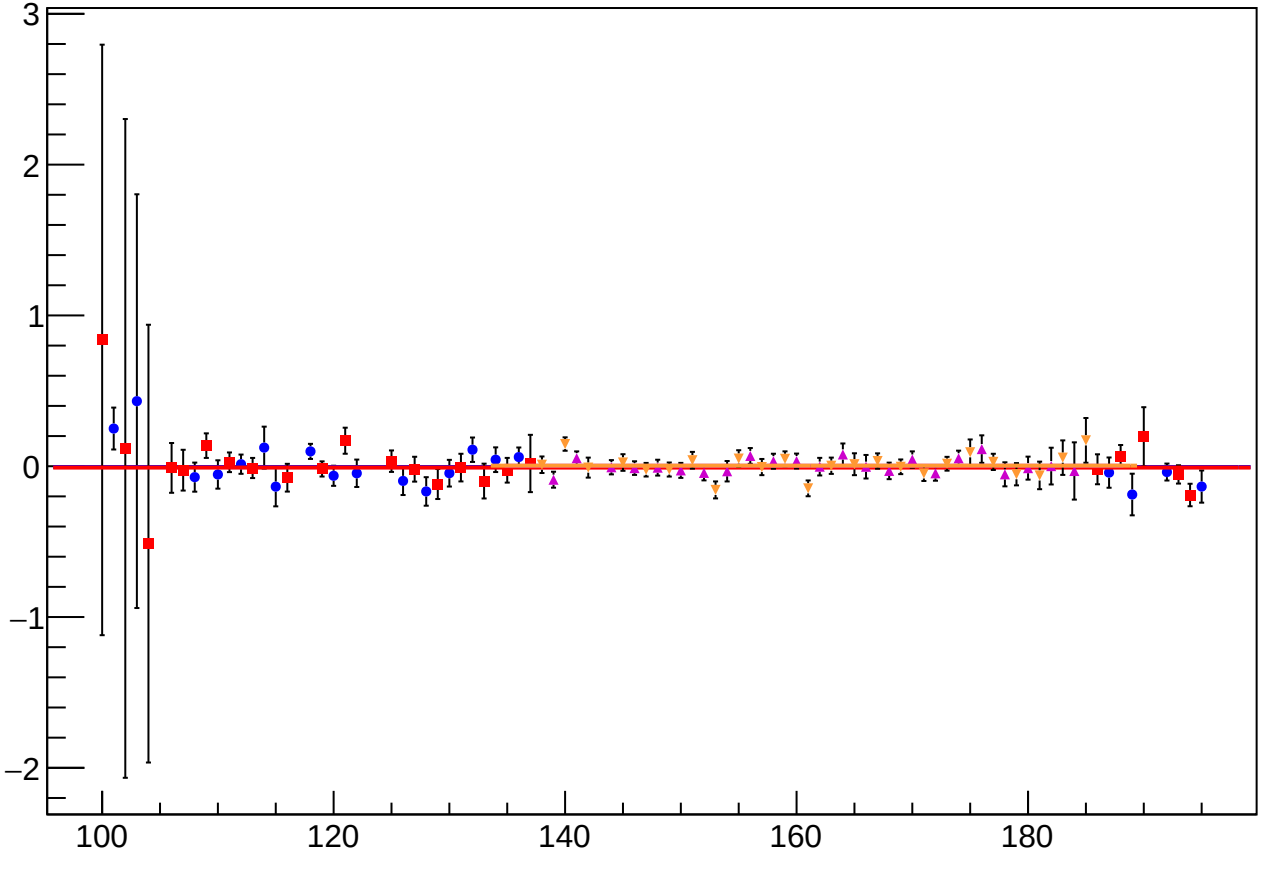
Right: 0.000+/-0.000 χ^2/NDF: 7066584.3/42

In: 0.000+/-0.000 χ^2/NDF:6328448.1/42

Out: 0.000+/-0.000 χ^2/NDF:6360156.5/46

All: 0.000+/-0.000 χ^2/NDF: 12729246.4/89

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

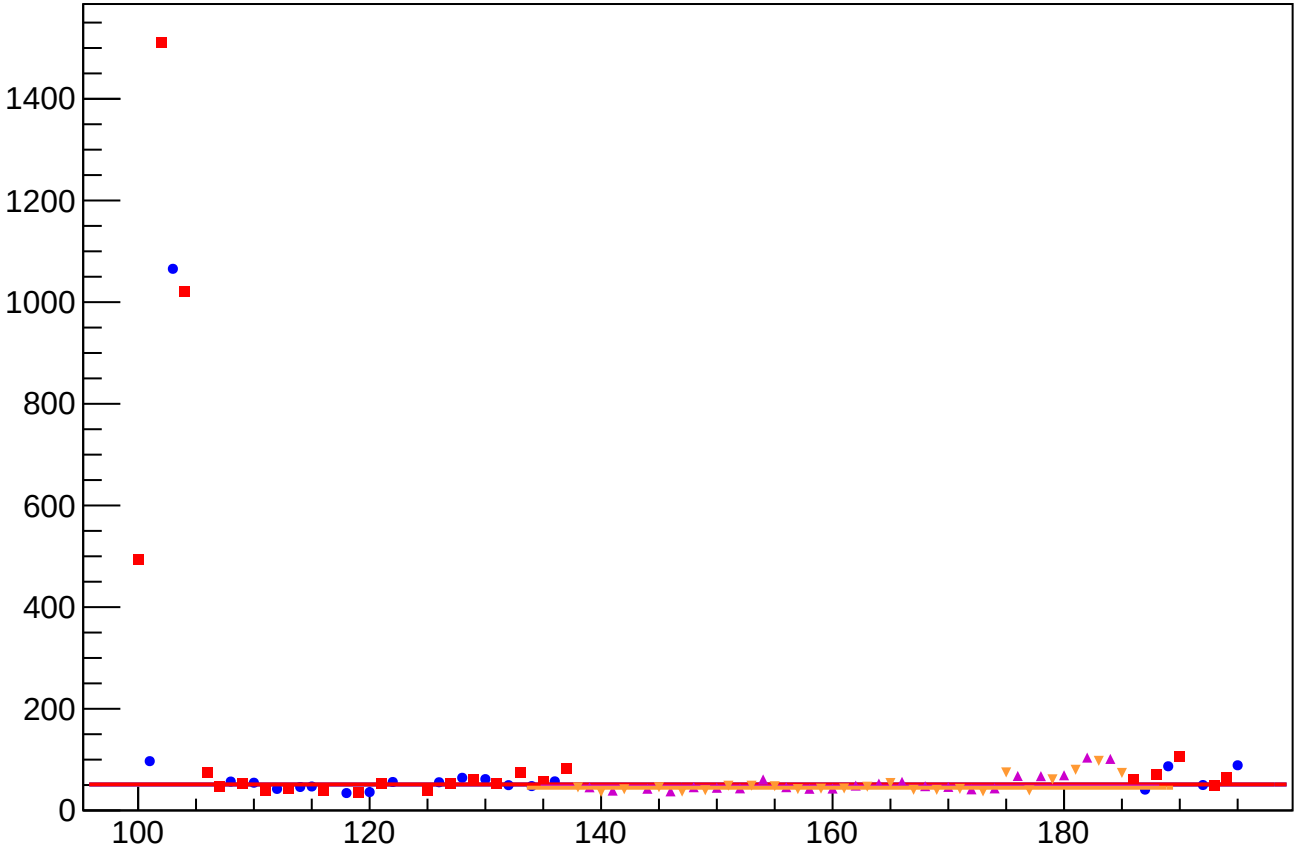
Right: -0.007+/-0.013 χ^2/NDF: 42.1/42

In: 0.000+/-0.010 χ^2/NDF:37.3/42

Out: 0.000+/-0.010 χ^2/NDF:54.8/46

All: 0.000+/-0.007 χ^2/NDF: 92.1/89

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.042+/-0.013 χ^2/NDF: 2197610.9/19

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 51.248+/-0.013 χ^2/NDF: 2847499.3/22

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

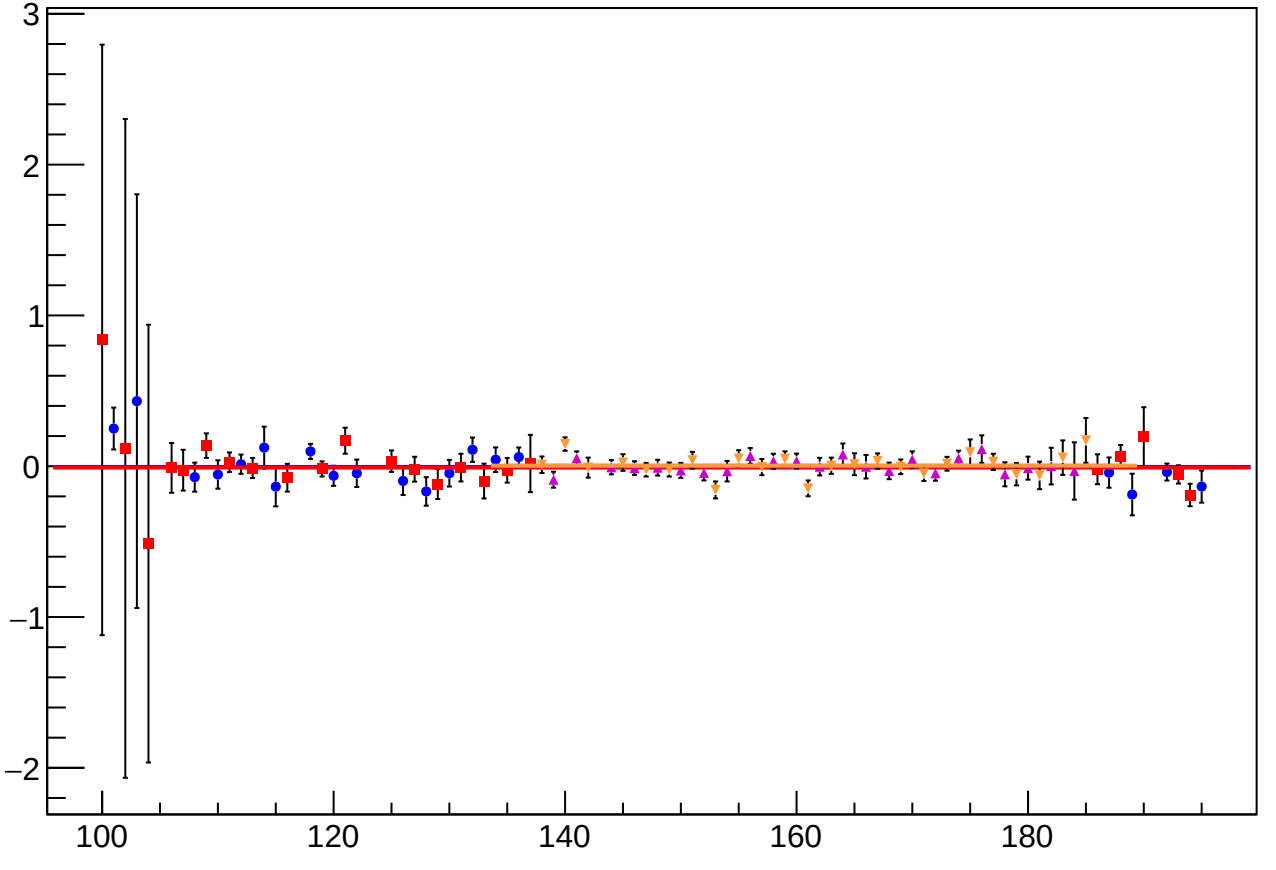
Right: 51.146+/-0.009 χ^2/NDF: 5045233.0/42

In: 48.186+/-0.007 χ^2/NDF:3645529.2/42

Out: 46.550+/-0.007 χ^2/NDF:4507772.1/46

All: 47.343+/-0.005 χ^2/NDF: 8180481.2/89

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

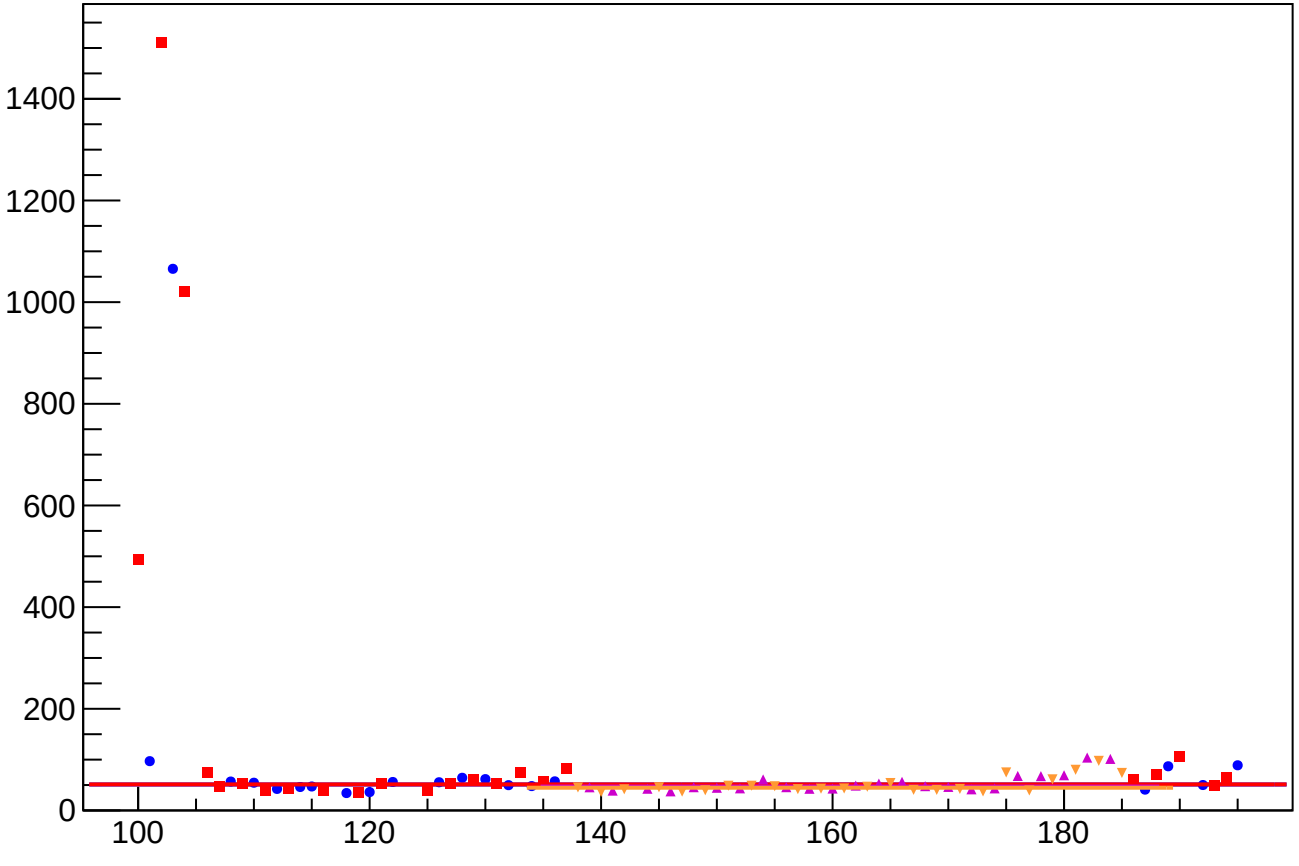
Right: -0.007+/-0.013 χ^2/NDF: 42.1/42

In: 0.000+/-0.010 χ^2/NDF:37.3/42

Out: 0.000+/-0.010 χ^2/NDF:54.8/46

All: 0.000+/-0.007 χ^2/NDF: 92.1/89

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.042+/-0.013 χ^2/NDF: 2197610.9/19

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 51.248+/-0.013 χ^2/NDF: 2847499.3/22

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

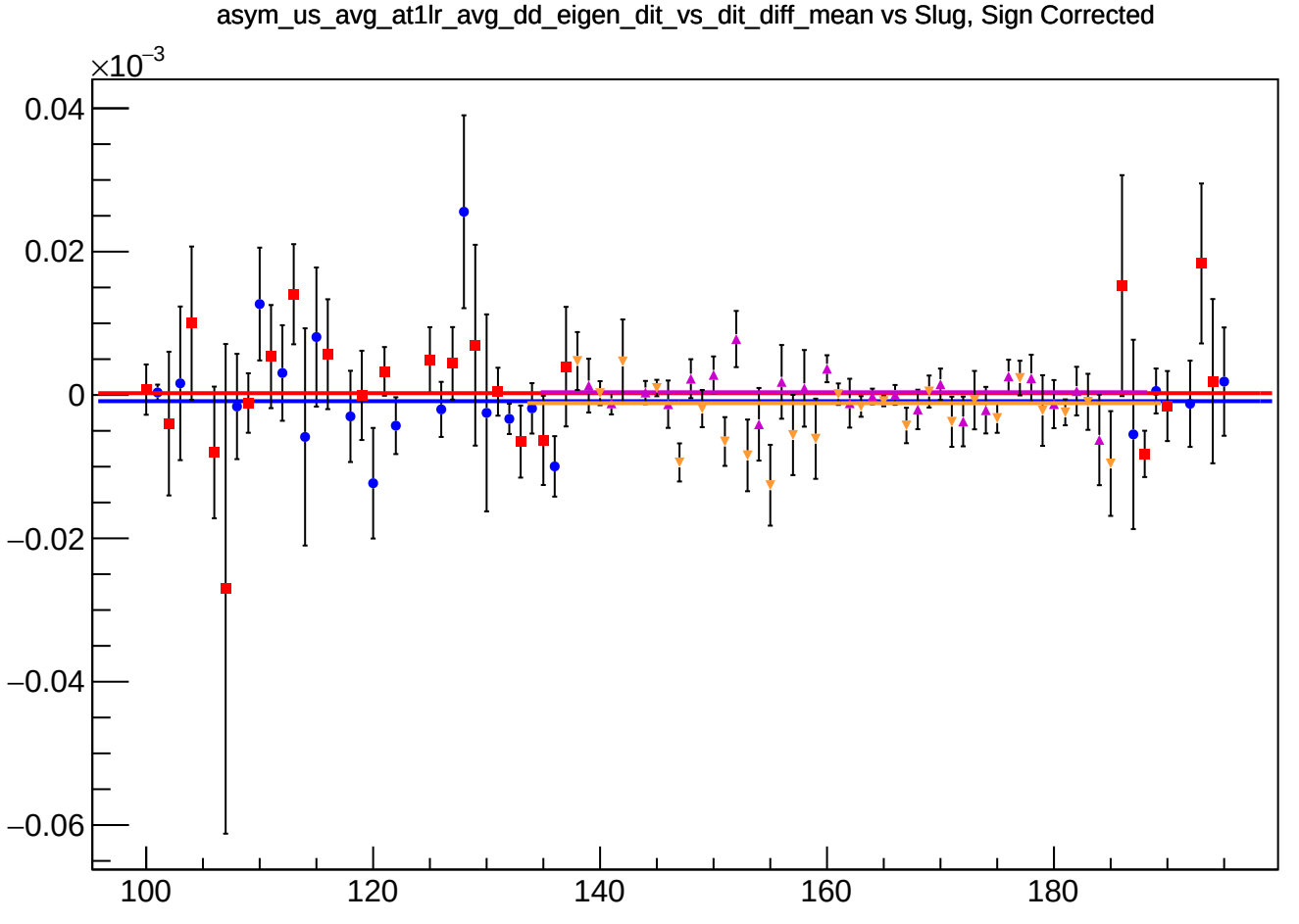
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 51.146+/-0.009 χ^2/NDF: 5045233.0/42

In: 48.186+/-0.007 χ^2/NDF:3645529.2/42

Out: 46.550+/-0.007 χ^2/NDF:4507772.1/46

All: 47.343+/-0.005 χ^2/NDF: 8180481.2/89



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/22

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

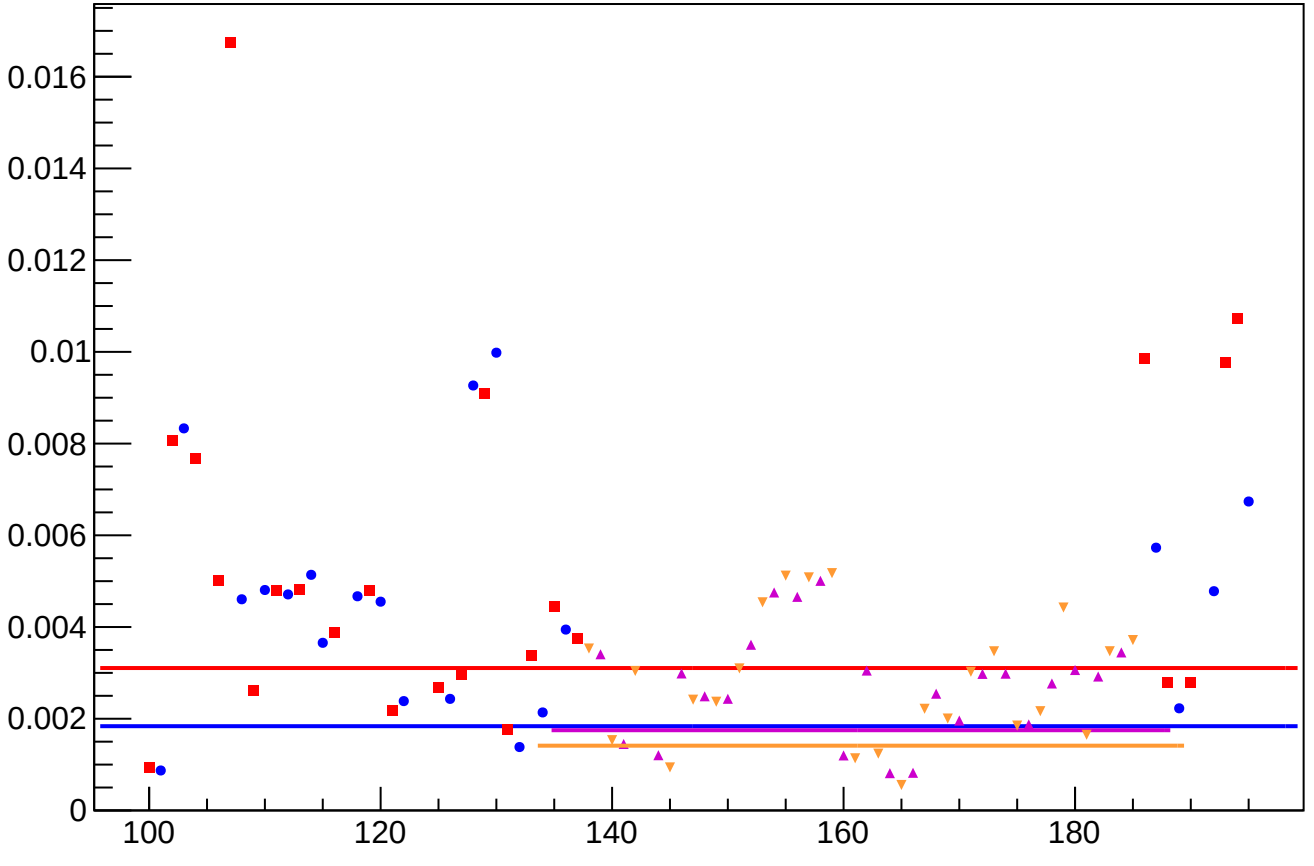
Right: -0.000+/-0.000 χ^2/NDF: 43.8/42

In: 0.000+/-0.000 χ^2/NDF:37.3/42

Out: -0.000+/-0.000 χ^2/NDF:61.0/46

All: -0.000+/-0.000 χ^2/NDF: 101.5/89

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: 7556884.2/19

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 5417857.4/22

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

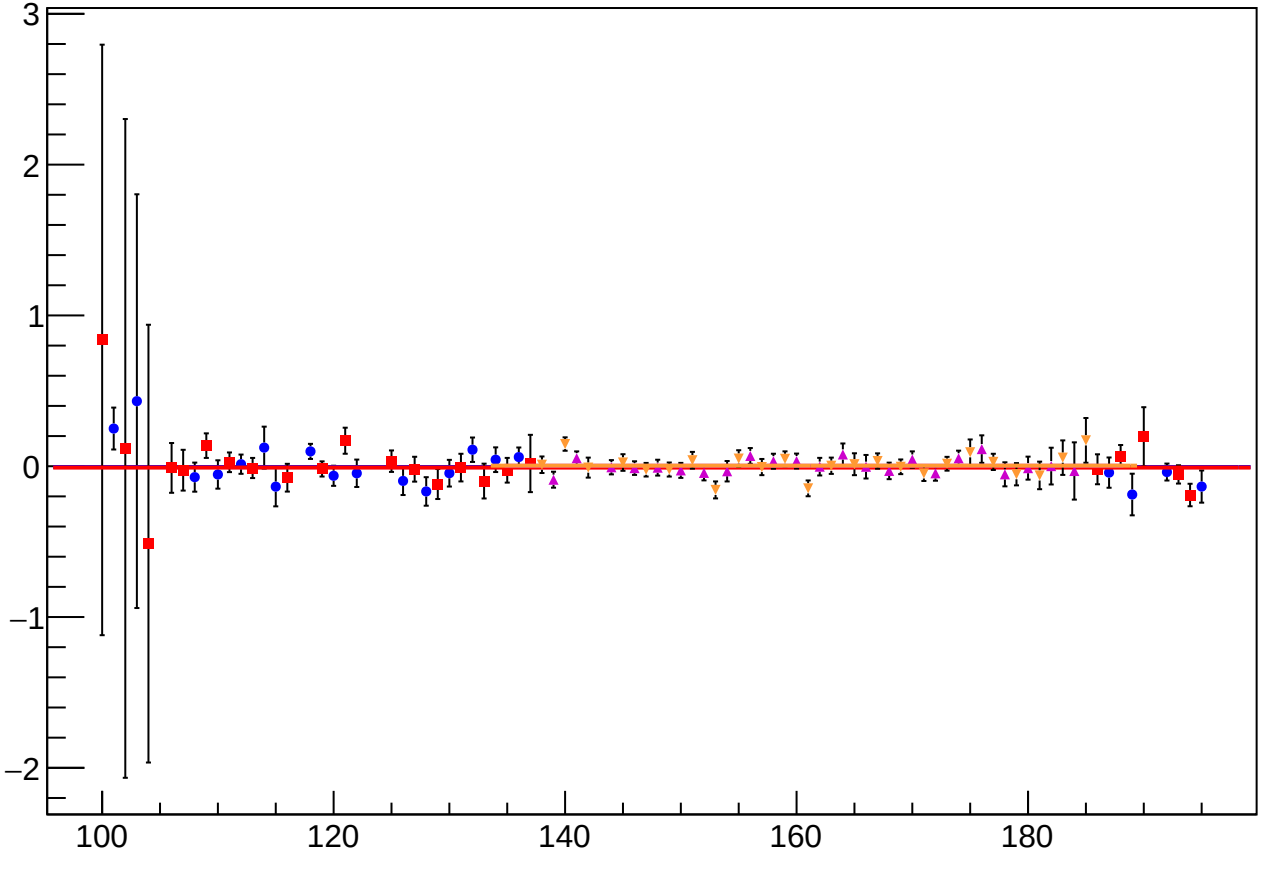
Right: 0.002+/-0.000 χ^2/NDF: 14632456.1/42

In: 0.002+/-0.000 χ^2/NDF:15813700.5/42

Out: 0.002+/-0.000 χ^2/NDF:20863296.1/46

All: 0.002+/-0.000 χ^2/NDF: 36855964.8/89

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

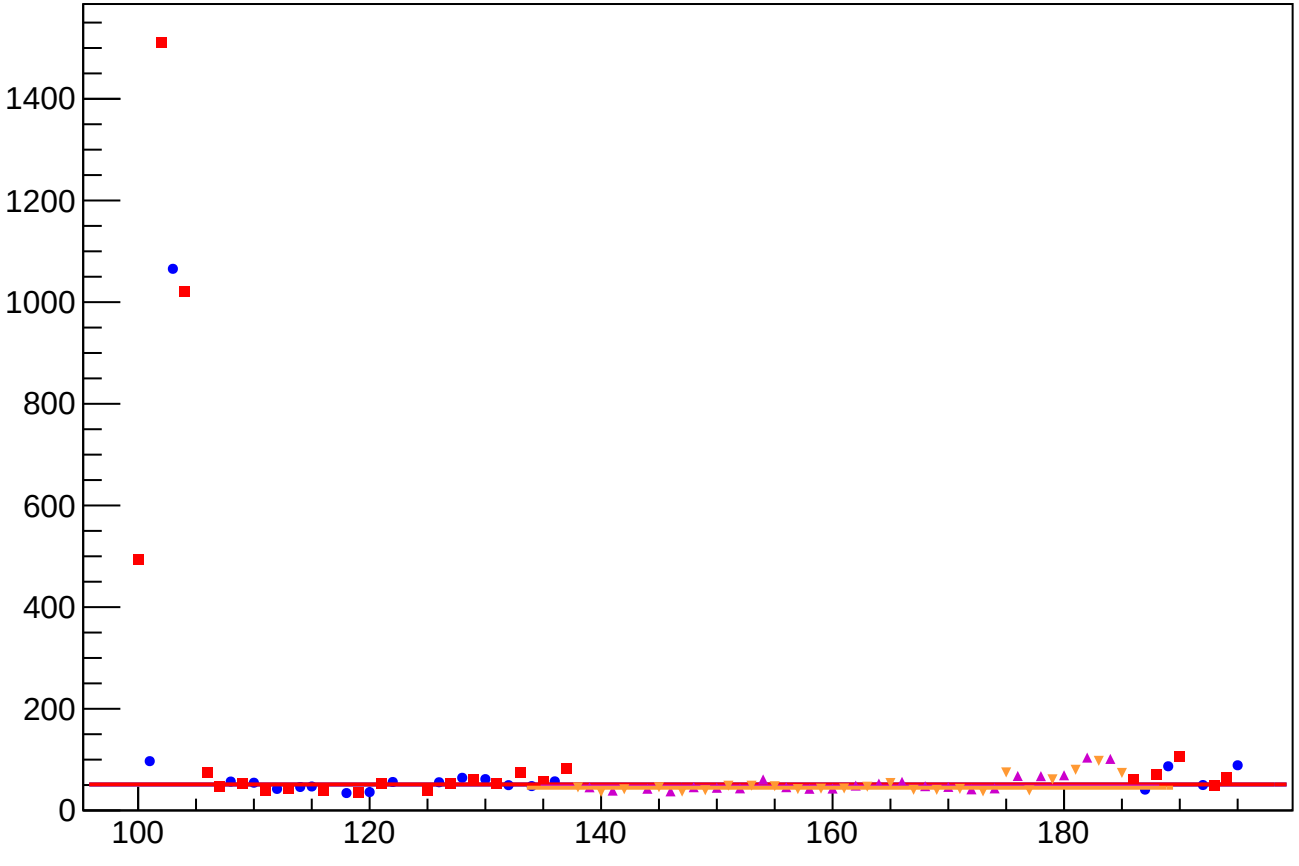
Right: -0.007+/-0.013 χ^2/NDF: 42.1/42

In: 0.000+/-0.010 χ^2/NDF:37.3/42

Out: 0.000+/-0.010 χ^2/NDF:54.8/46

All: 0.000+/-0.007 χ^2/NDF: 92.1/89

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.041+/-0.013 χ^2/NDF: 2197553.6/19

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 51.247+/-0.013 χ^2/NDF: 2847564.7/22

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

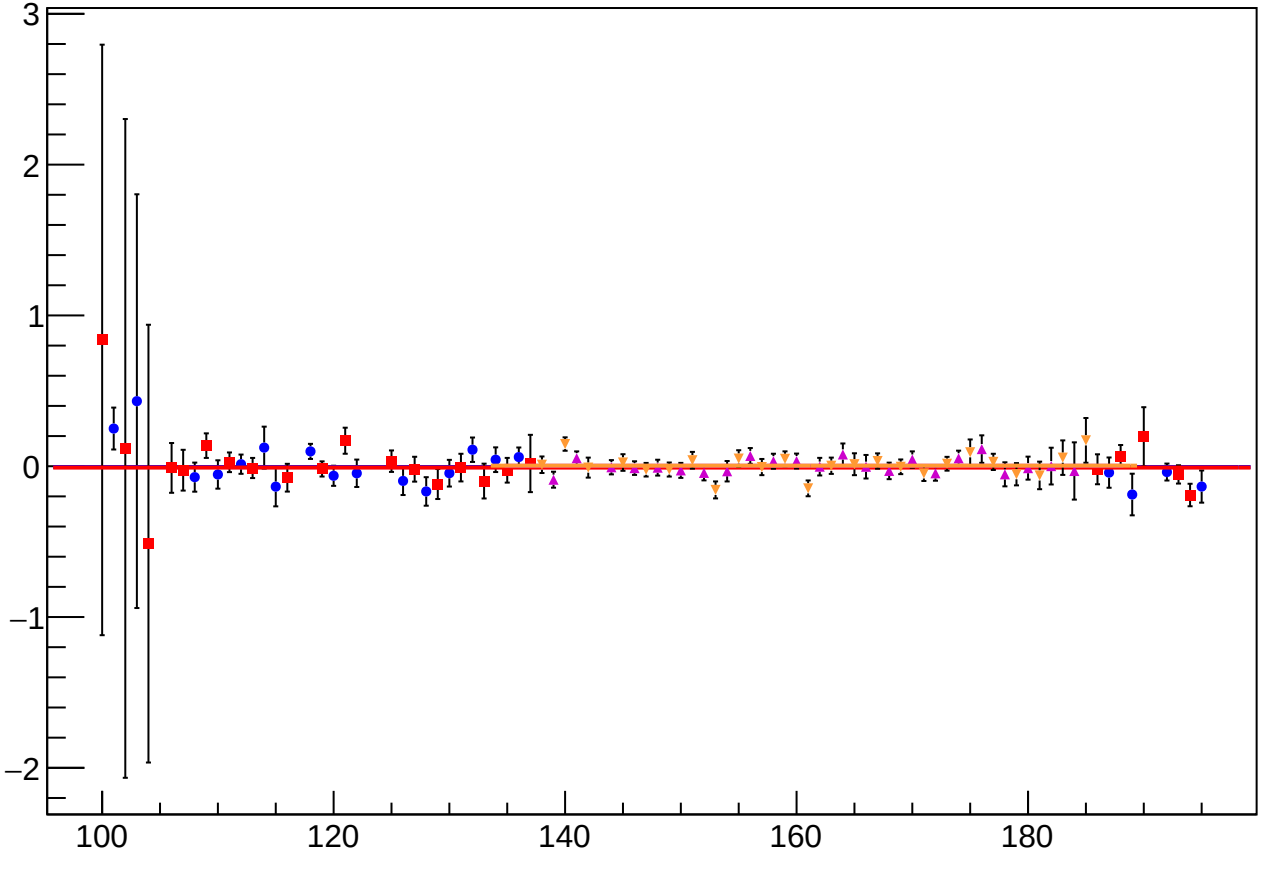
Right: 51.146+/-0.009 χ^2/NDF: 5045240.5/42

In: 48.186+/-0.007 χ^2/NDF:3645539.9/42

Out: 46.550+/-0.007 χ^2/NDF:4507784.2/46

All: 47.343+/-0.005 χ^2/NDF: 8180497.9/89

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 22.7/19

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

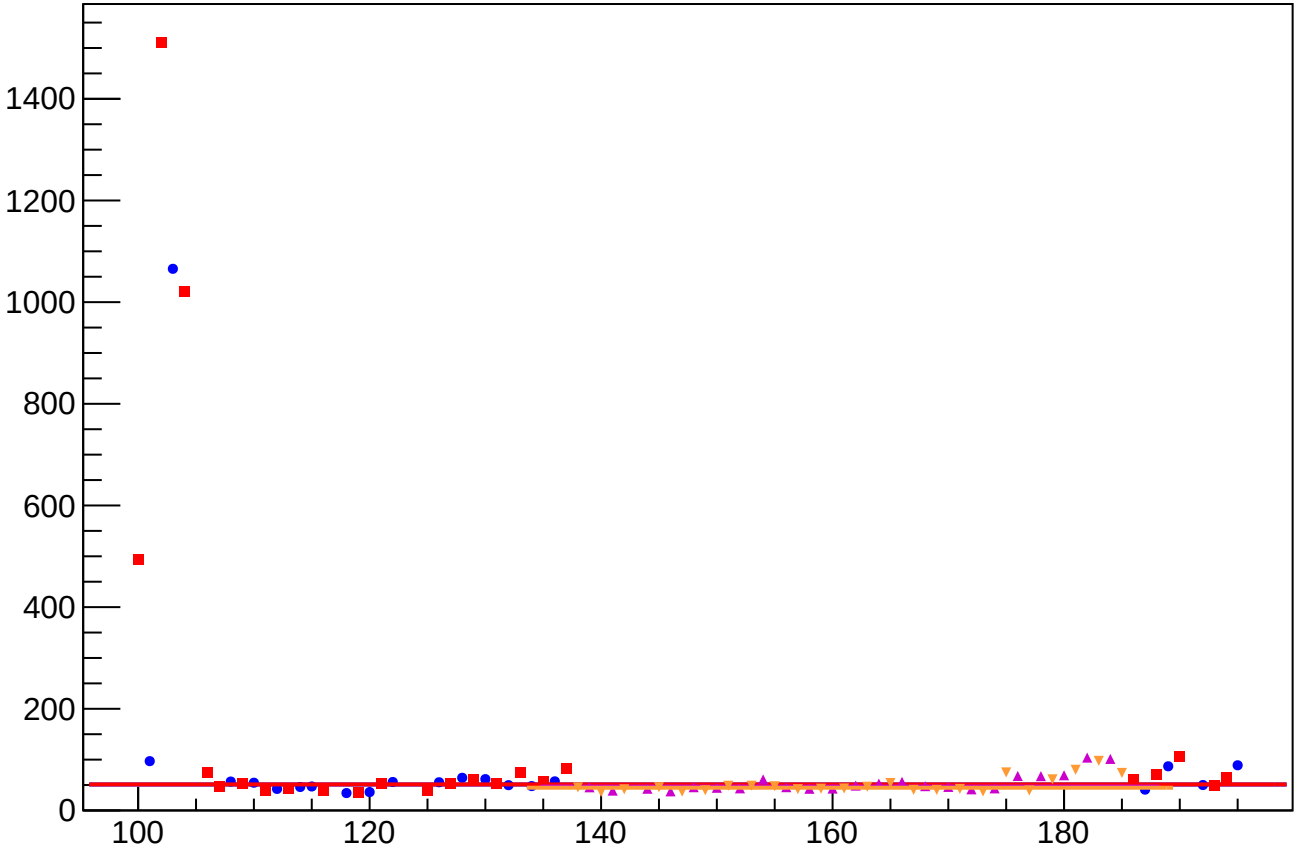
Right: -0.007+/-0.013 χ^2/NDF: 42.1/42

In: 0.000+/-0.010 χ^2/NDF:37.3/42

Out: 0.000+/-0.010 χ^2/NDF:54.8/46

All: 0.000+/-0.007 χ^2/NDF: 92.1/89

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.041+/-0.013 χ^2/NDF: 2197553.6/19

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 51.247+/-0.013 χ^2/NDF: 2847564.7/22

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

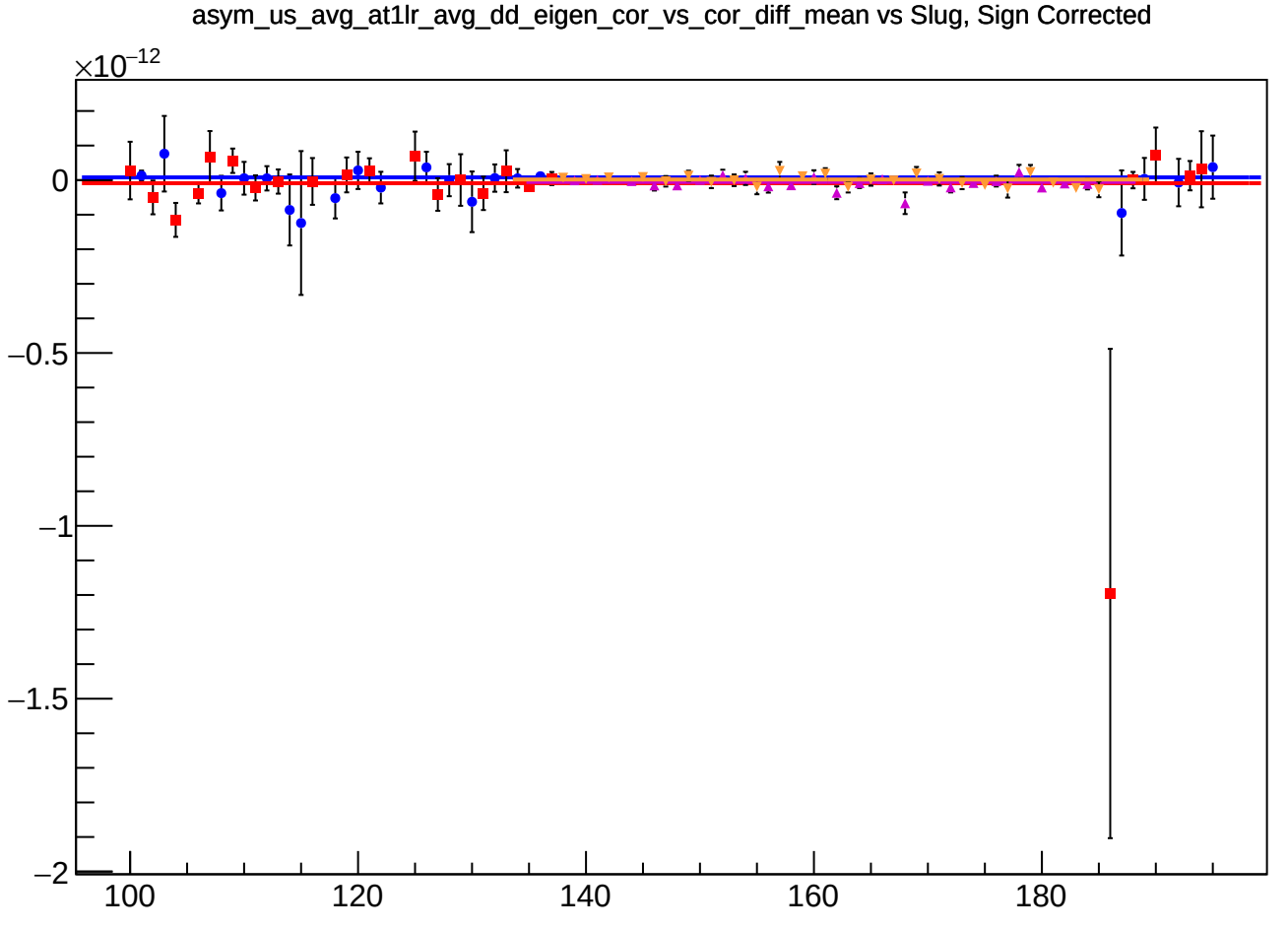
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 51.146+/-0.009 χ^2/NDF: 5045240.5/42

In: 48.186+/-0.007 χ^2/NDF:3645539.9/42

Out: 46.550+/-0.007 χ^2/NDF:4507784.2/46

All: 47.343+/-0.005 χ^2/NDF: 8180497.9/89



Right In: 0.000+/-0.000 χ^2/NDF: 6.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/22

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

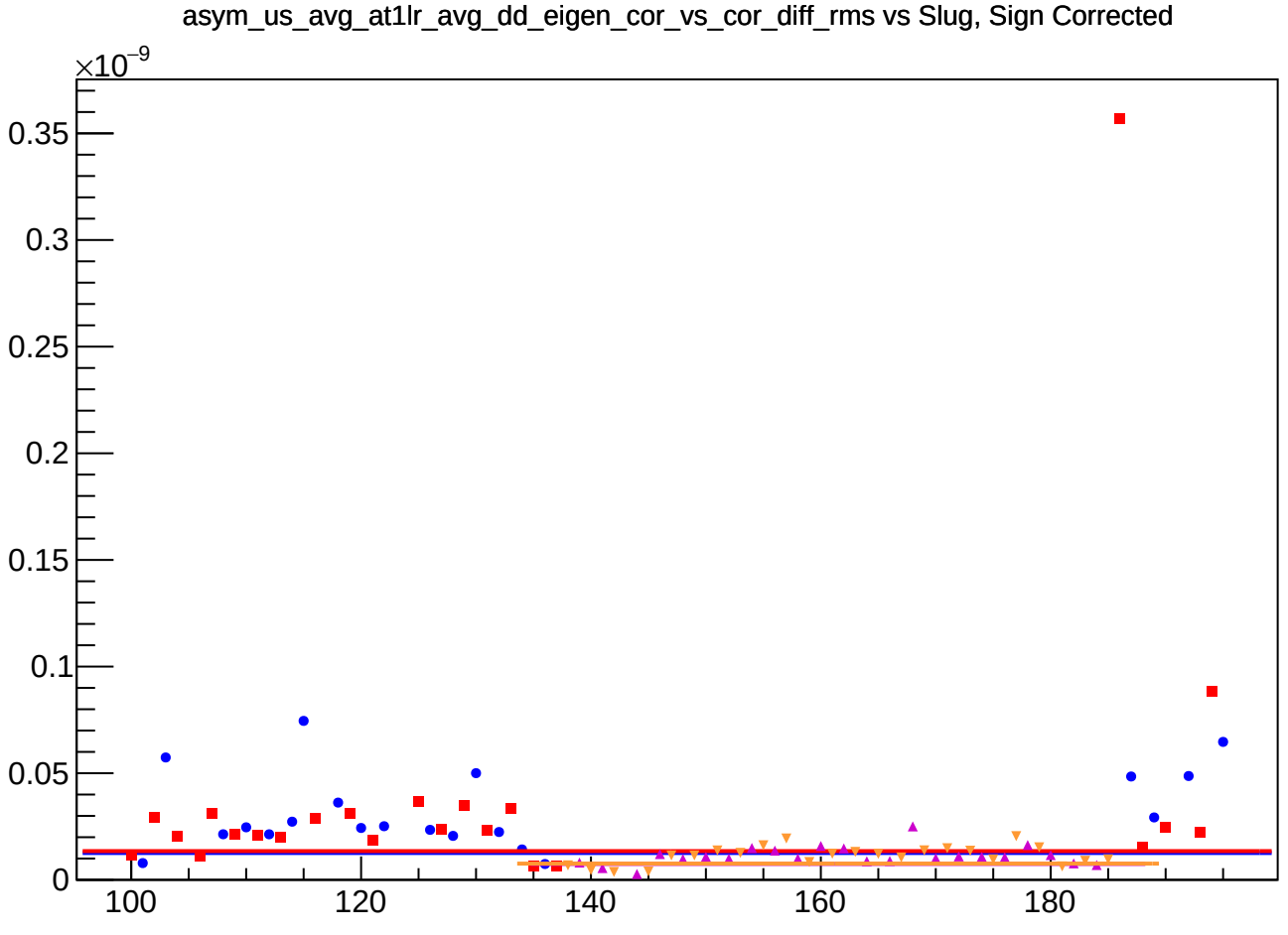
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: -0.000+/-0.000 χ^2/NDF: 30.1/42

In: -0.000+/-0.000 χ^2/NDF:27.7/42

Out: 0.000+/-0.000 χ^2/NDF:43.5/46

All: -0.000+/-0.000 χ^2/NDF: 72.9/89



Right In: 0.000+/-0.000 χ^2/NDF: 4469391.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4489087.8/22

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

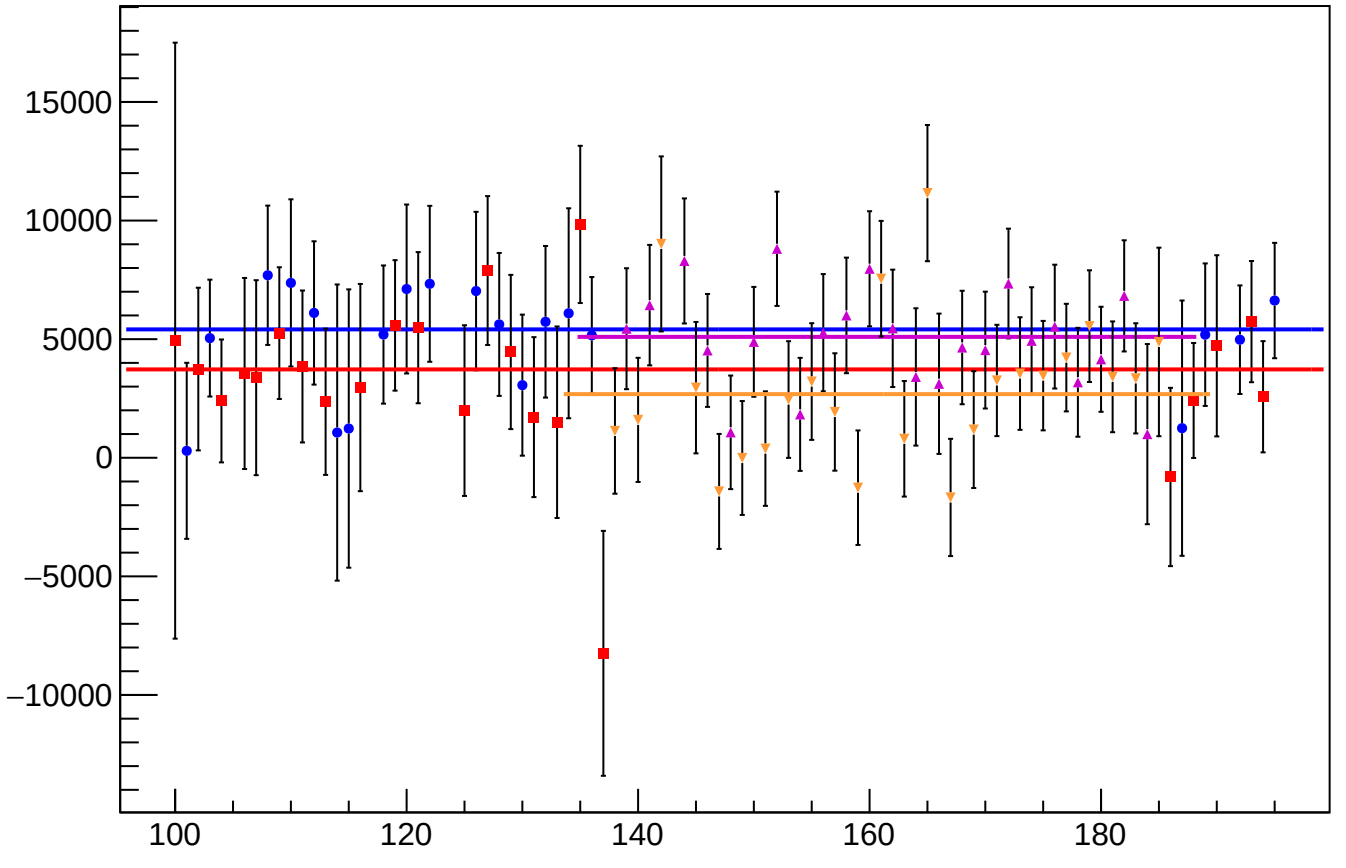
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 8976033.4/42

In: 0.000+/-0.000 χ^2/NDF:11527487.5/42

Out: 0.000+/-0.000 χ^2/NDF:11384398.5/46

All: 0.000+/-0.000 χ^2/NDF: 22920764.2/89



Right In: 5412.095+/-703.583 χ^2/NDF: 6.3/19

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3724.982+/-678.433 χ^2/NDF: 15.7/22

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

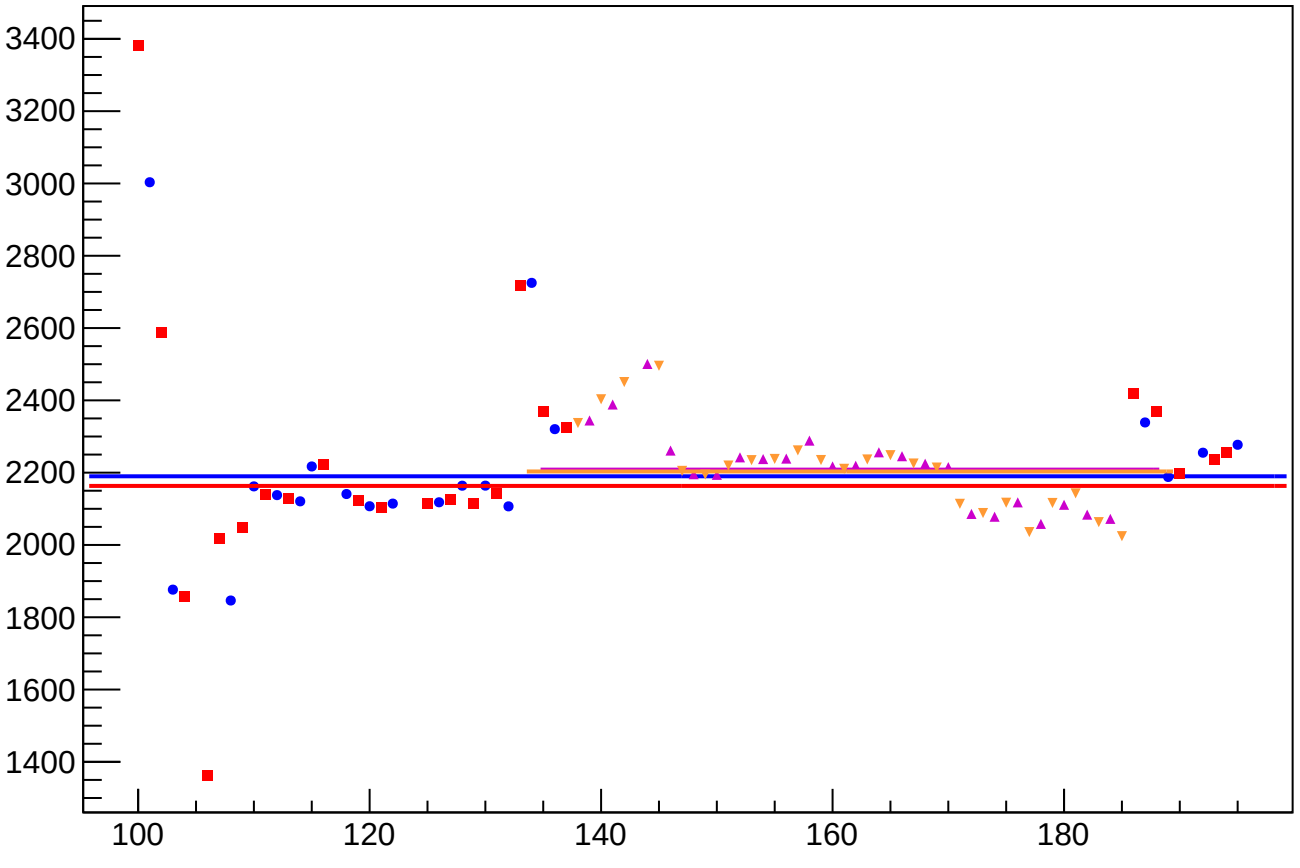
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4537.846+/-488.374 χ^2/NDF: 25.0/42

In: 5206.895+/-416.216 χ^2/NDF:21.3/42

Out: 3061.042+/-408.690 χ^2/NDF:48.1/46

All: 4114.394+/-291.612 χ^2/NDF: 82.9/89



Right In: 2189.935+/-0.498 χ^2/NDF: 202753.7/19

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2163.312+/-0.474 χ^2/NDF: 304732.0/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

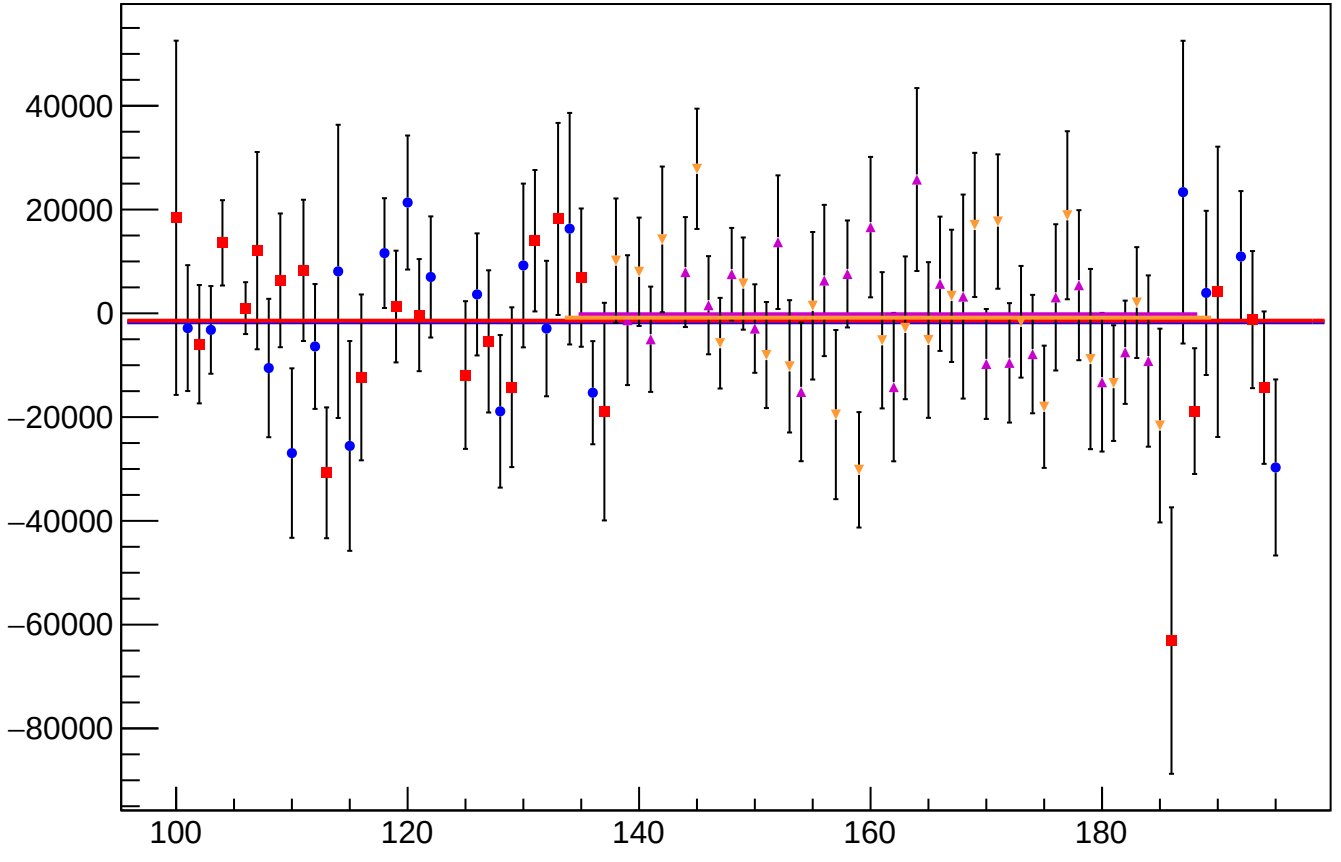
Right: 2175.989+/-0.343 χ^2/NDF: 508985.7/42

In: 2201.925+/-0.294 χ^2/NDF:284641.4/42

Out: 2188.577+/-0.288 χ^2/NDF:397430.3/46

All: 2195.101+/-0.206 χ^2/NDF: 683123.2/89

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1720.231+/-2990.122 χ^2/NDF: 19.0/19

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1422.175+/-2535.344 χ^2/NDF: 24.8/22

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

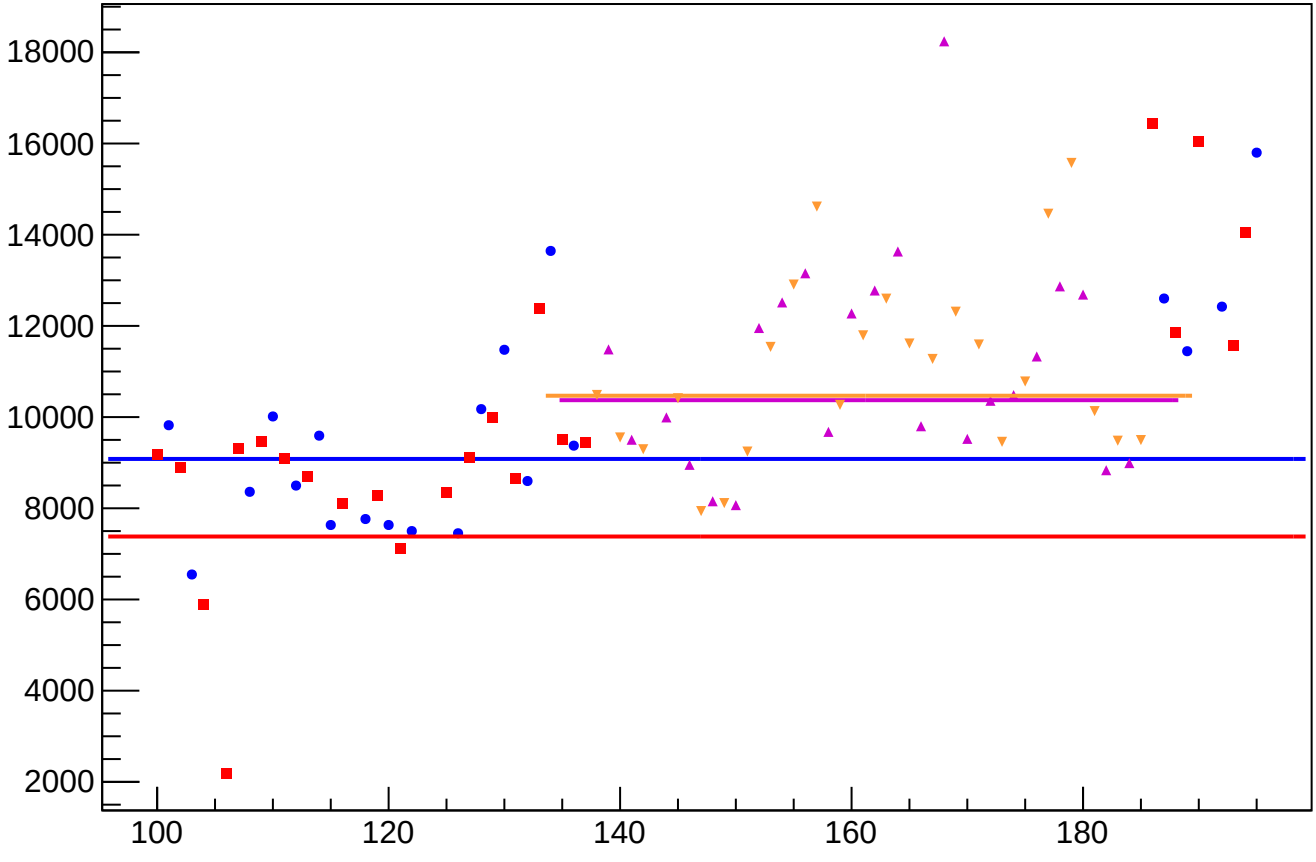
Right: -1546.836+/-1933.775 χ^2/NDF: 43.9/42

In: -806.524+/-1904.867 χ^2/NDF:32.9/42

Out: -1121.509+/-1773.404 χ^2/NDF:54.3/46

All: -975.260+/-1297.976 χ^2/NDF: 87.3/89

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 9082.248+/-2.114 χ^2/NDF: 1019195.4/19

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 7380.938+/-1.793 χ^2/NDF: 4073798.5/22

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

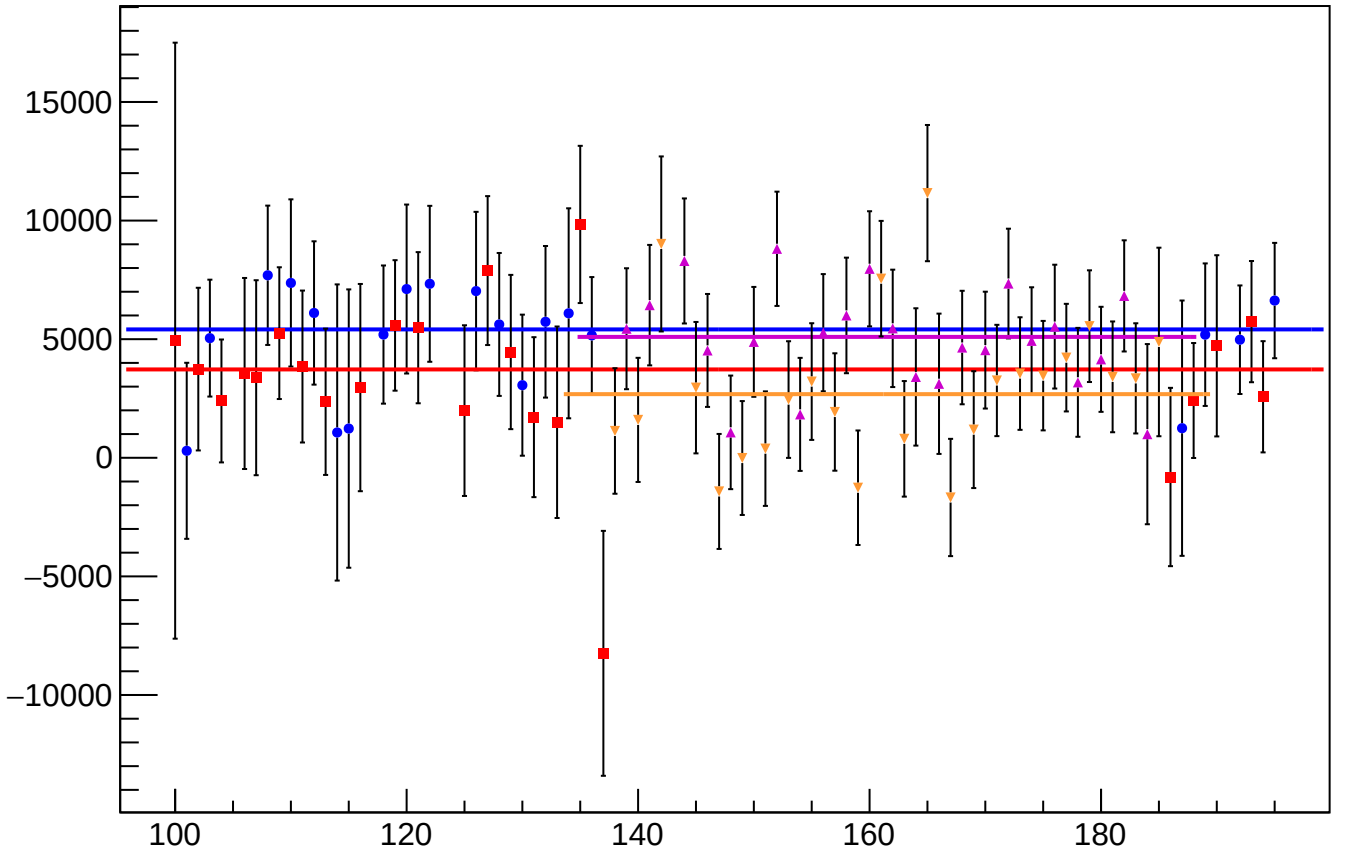
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 8092.507+/-1.367 χ^2/NDF: 5469660.6/42

In: 9847.915+/-1.347 χ^2/NDF:2443665.3/42

Out: 8957.962+/-1.254 χ^2/NDF:6634135.1/46

All: 9371.172+/-0.918 χ^2/NDF: 9311657.9/89



Right In: 5412.222+/-703.583 χ^2/NDF: 6.3/19

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3724.787+/-678.433 χ^2/NDF: 15.7/22

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

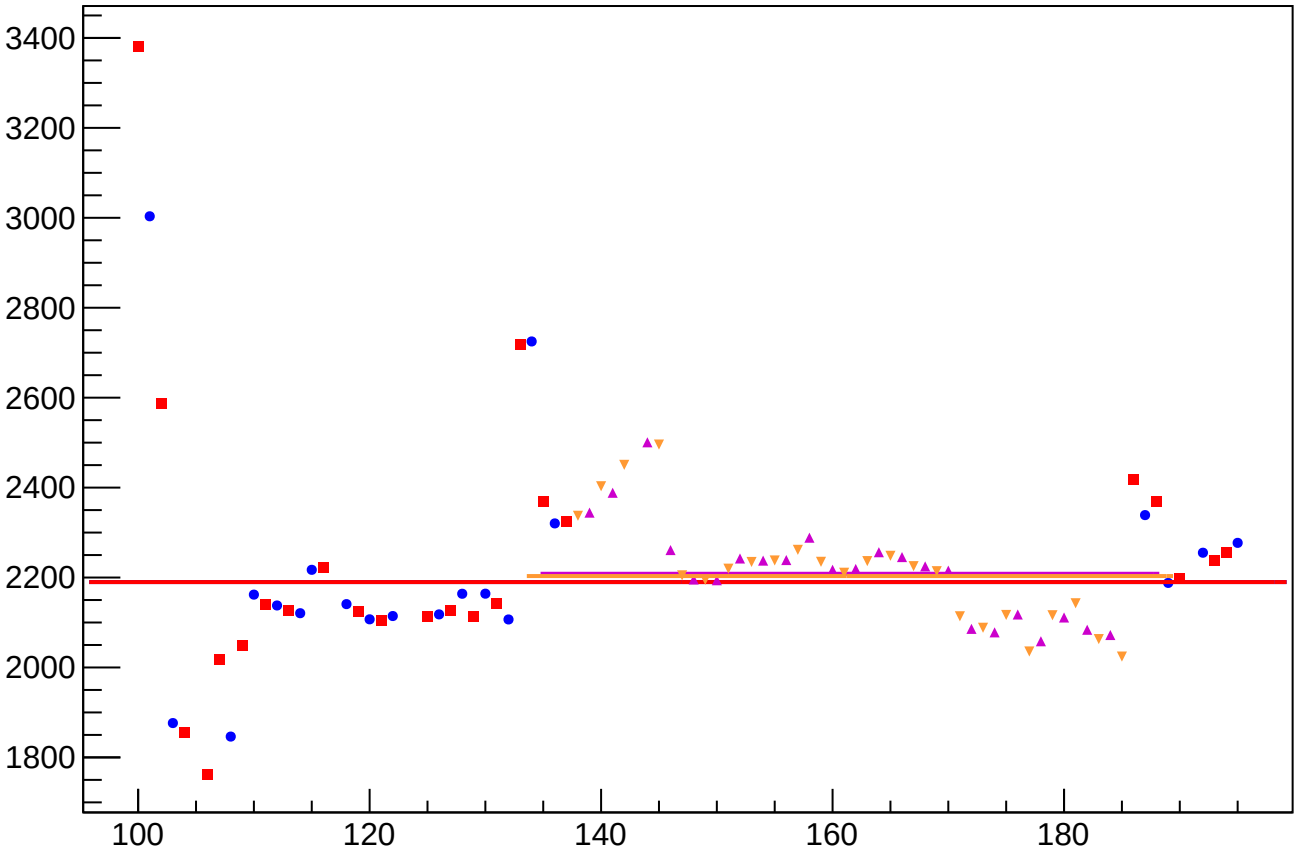
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4537.806+/-488.374 χ^2/NDF: 25.0/42

In: 5206.879+/-416.216 χ^2/NDF:21.3/42

Out: 3060.921+/-408.690 χ^2/NDF:48.1/46

All: 4114.325+/-291.612 χ^2/NDF: 82.9/89



Right In: 2189.935+/-0.498 χ^2/NDF: 202754.1/19

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2189.905+/-0.478 χ^2/NDF: 183962.3/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

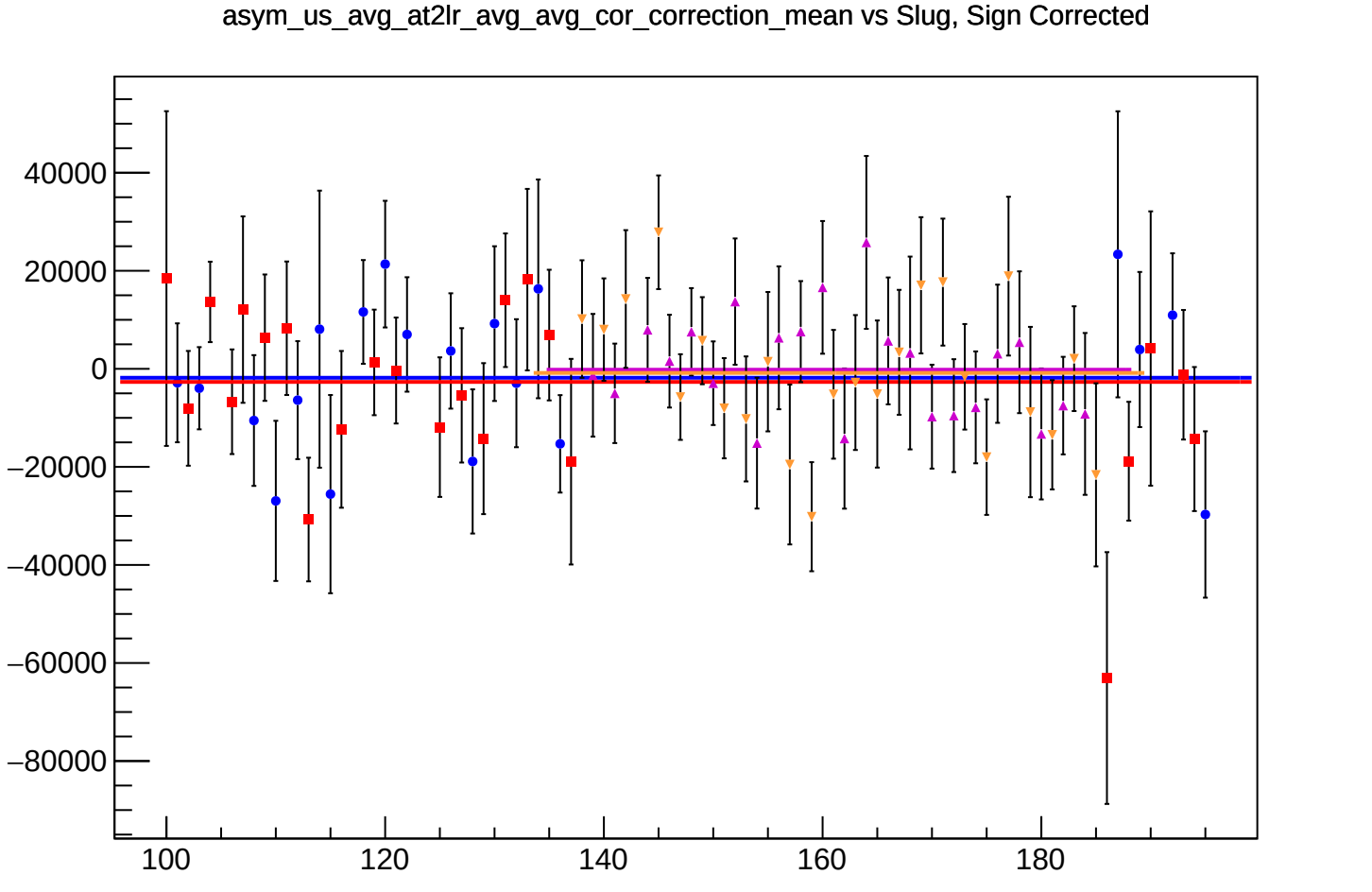
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2189.919+/-0.345 χ^2/NDF: 386716.4/42

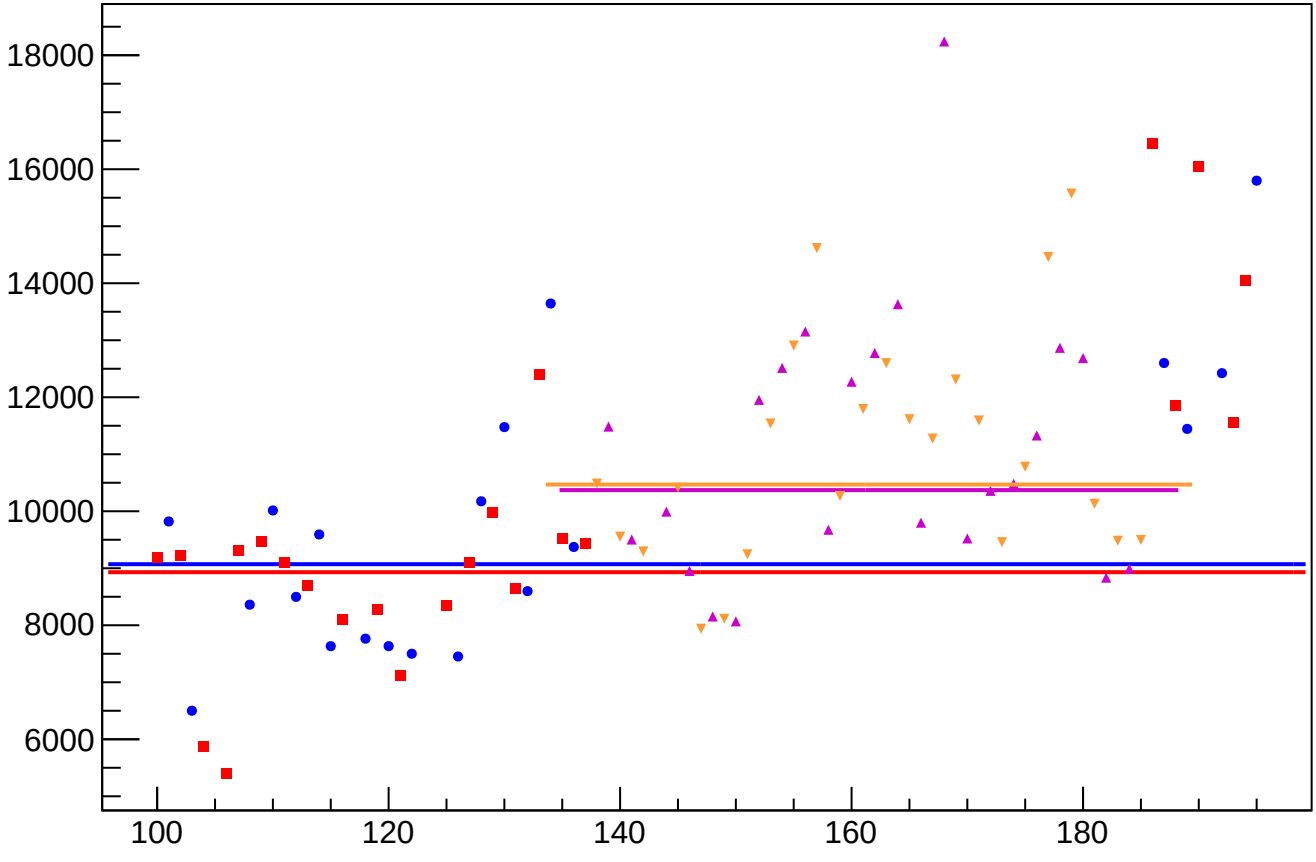
In: 2201.925+/-0.294 χ^2/NDF:284641.8/42

Out: 2198.415+/-0.289 χ^2/NDF:272669.3/46

All: 2200.136+/-0.206 χ^2/NDF: 557383.6/89


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
Right In: -1820.060+/-2987.243 χ²/NDF: 19.1/19
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -2672.203+/-2839.494 χ²/NDF: 24.9/22
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -2267.726+/-2058.076 χ²/NDF: 44.0/42
In: -847.760+/-1904.121 χ²/NDF:33.0/42
Out: -1629.667+/-1868.502 χ²/NDF:54.6/46
All: -1246.095+/-1333.646 χ²/NDF: 87.7/89

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 9071.341+/-2.112 χ^2/NDF: 1028801.2/19

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8931.037+/-2.008 χ^2/NDF: 1399479.6/22

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

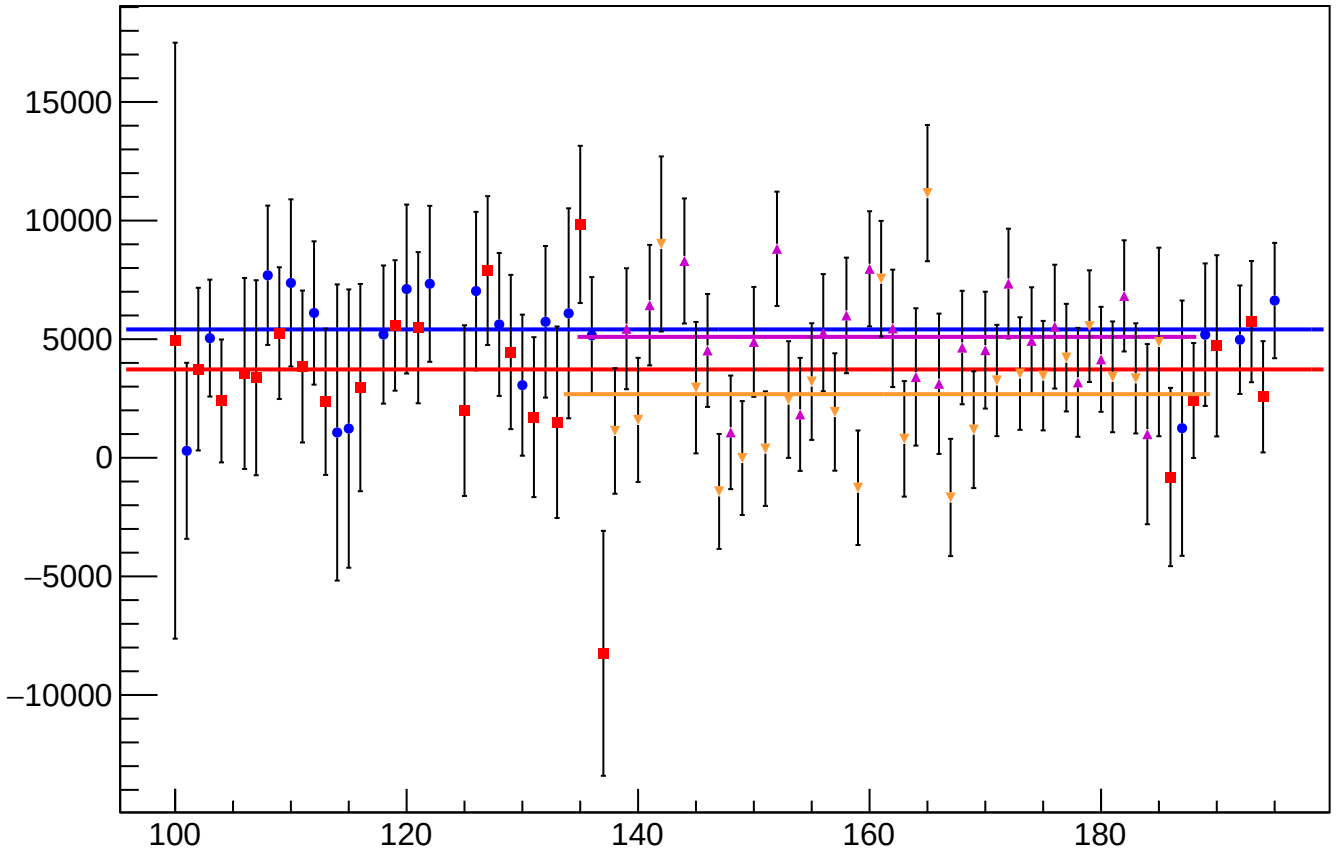
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 8997.634+/-1.455 χ^2/NDF: 2430598.5/42

In: 9842.879+/-1.346 χ^2/NDF:2457283.0/42

Out: 9802.852+/-1.321 χ^2/NDF:2777264.8/46

All: 9822.487+/-0.943 χ^2/NDF: 5234998.1/89



Right In: 5412.222+/-703.583 χ^2/NDF: 6.3/19

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3724.787+/-678.433 χ^2/NDF: 15.7/22

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

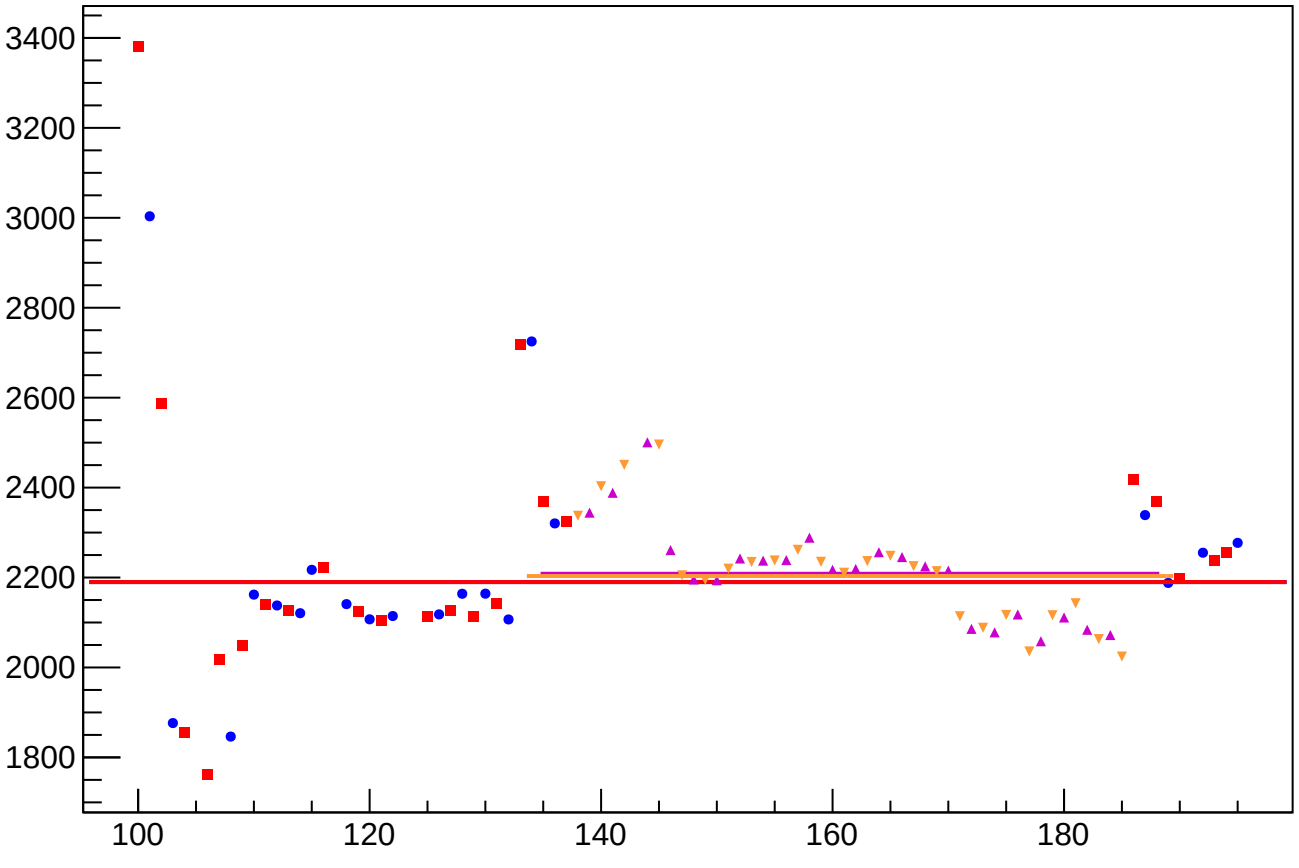
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4537.806+/-488.374 χ^2/NDF: 25.0/42

In: 5206.879+/-416.216 χ^2/NDF:21.3/42

Out: 3060.921+/-408.690 χ^2/NDF:48.1/46

All: 4114.325+/-291.612 χ^2/NDF: 82.9/89



Right In: 2189.935+/-0.498 χ^2/NDF: 202754.1/19

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2189.905+/-0.478 χ^2/NDF: 183962.3/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

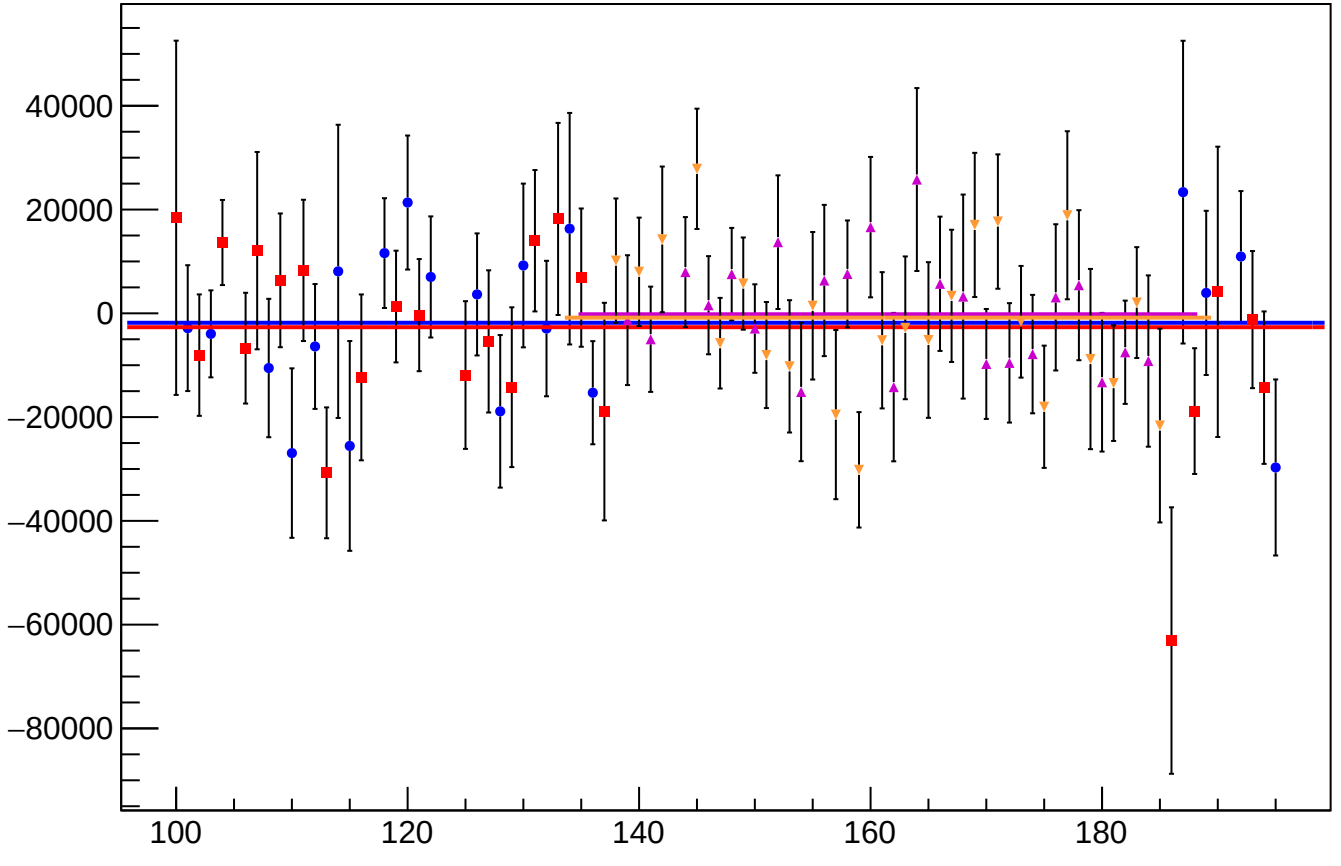
Right: 2189.919+/-0.345 χ^2/NDF: 386716.4/42

In: 2201.925+/-0.294 χ^2/NDF:284641.8/42

Out: 2198.415+/-0.289 χ^2/NDF:272669.3/46

All: 2200.136+/-0.206 χ^2/NDF: 557383.6/89

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1820.060+/-2987.243 χ^2/NDF: 19.1/19

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2672.203+/-2839.494 χ^2/NDF: 24.9/22

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

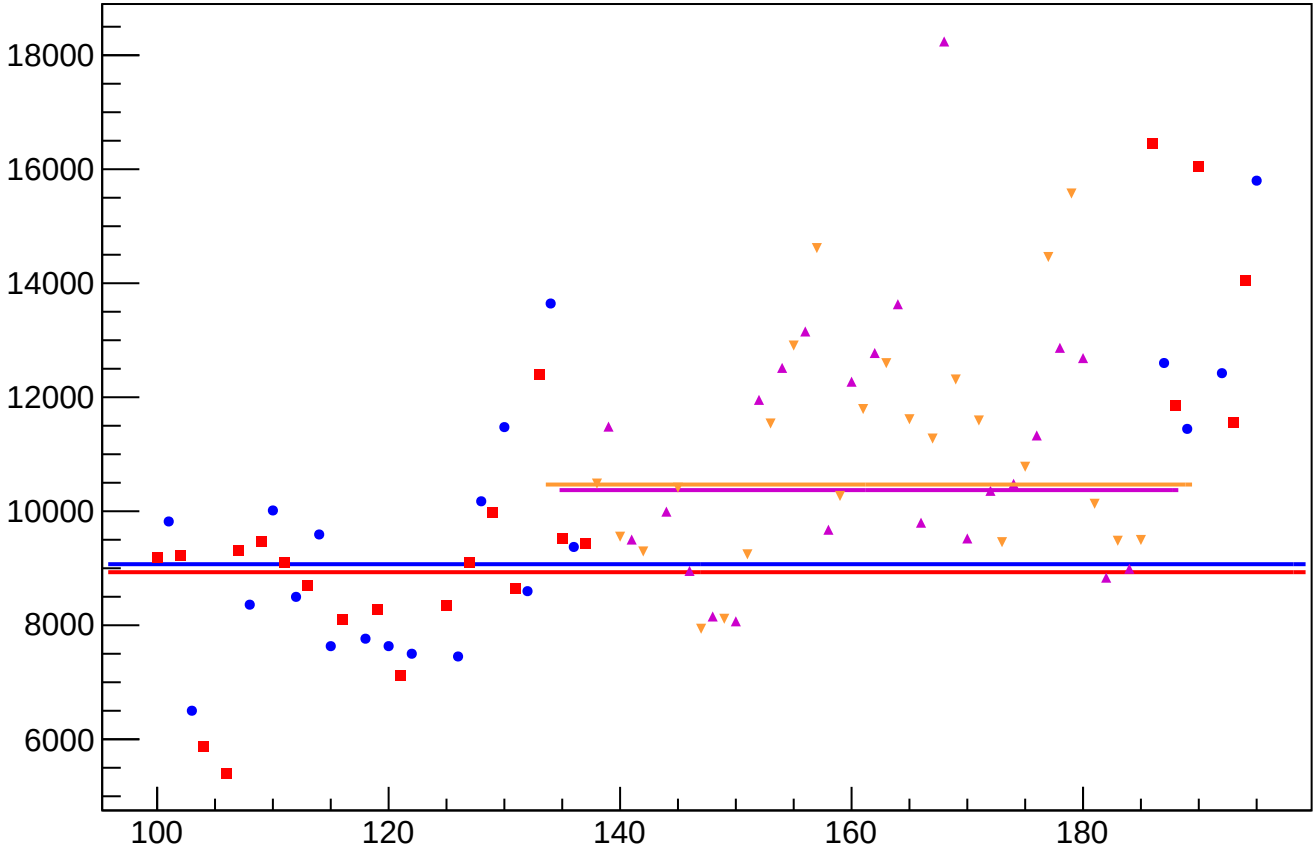
Right: -2267.726+/-2058.076 χ^2/NDF: 44.0/42

In: -847.760+/-1904.121 χ^2/NDF:33.0/42

Out: -1629.667+/-1868.502 χ^2/NDF:54.6/46

All: -1246.095+/-1333.646 χ^2/NDF: 87.7/89

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 9071.341+/-2.112 χ^2/NDF: 1028801.2/19

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8931.037+/-2.008 χ^2/NDF: 1399479.6/22

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

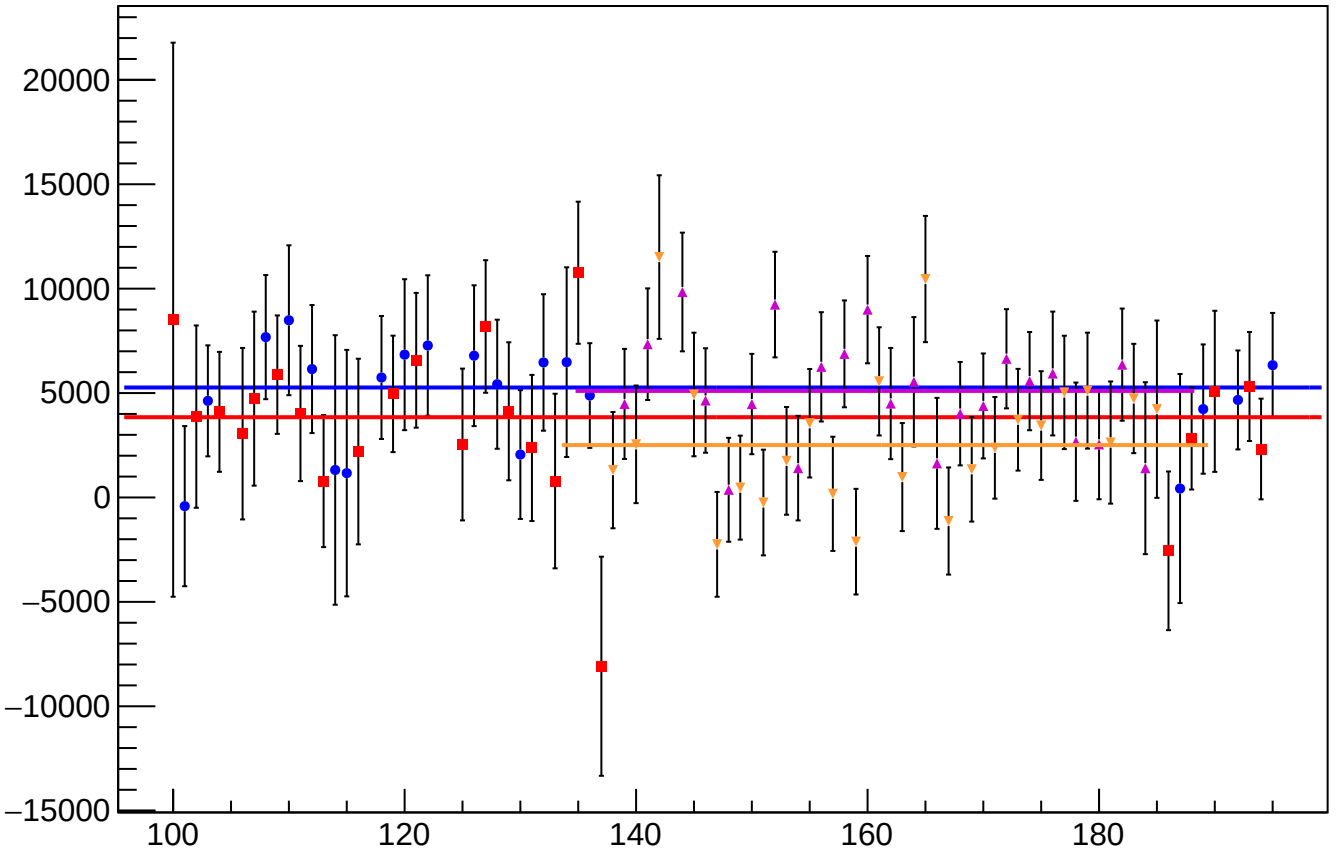
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 8997.634+/-1.455 χ^2/NDF: 2430598.5/42

In: 9842.879+/-1.346 χ^2/NDF:2457283.0/42

Out: 9802.852+/-1.321 χ^2/NDF:2777264.8/46

All: 9822.487+/-0.943 χ^2/NDF: 5234998.1/89



Right In: 5266.142+/-722.797 χ^2/NDF: 7.9/19

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3843.671+/-699.784 χ^2/NDF: 18.5/22

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

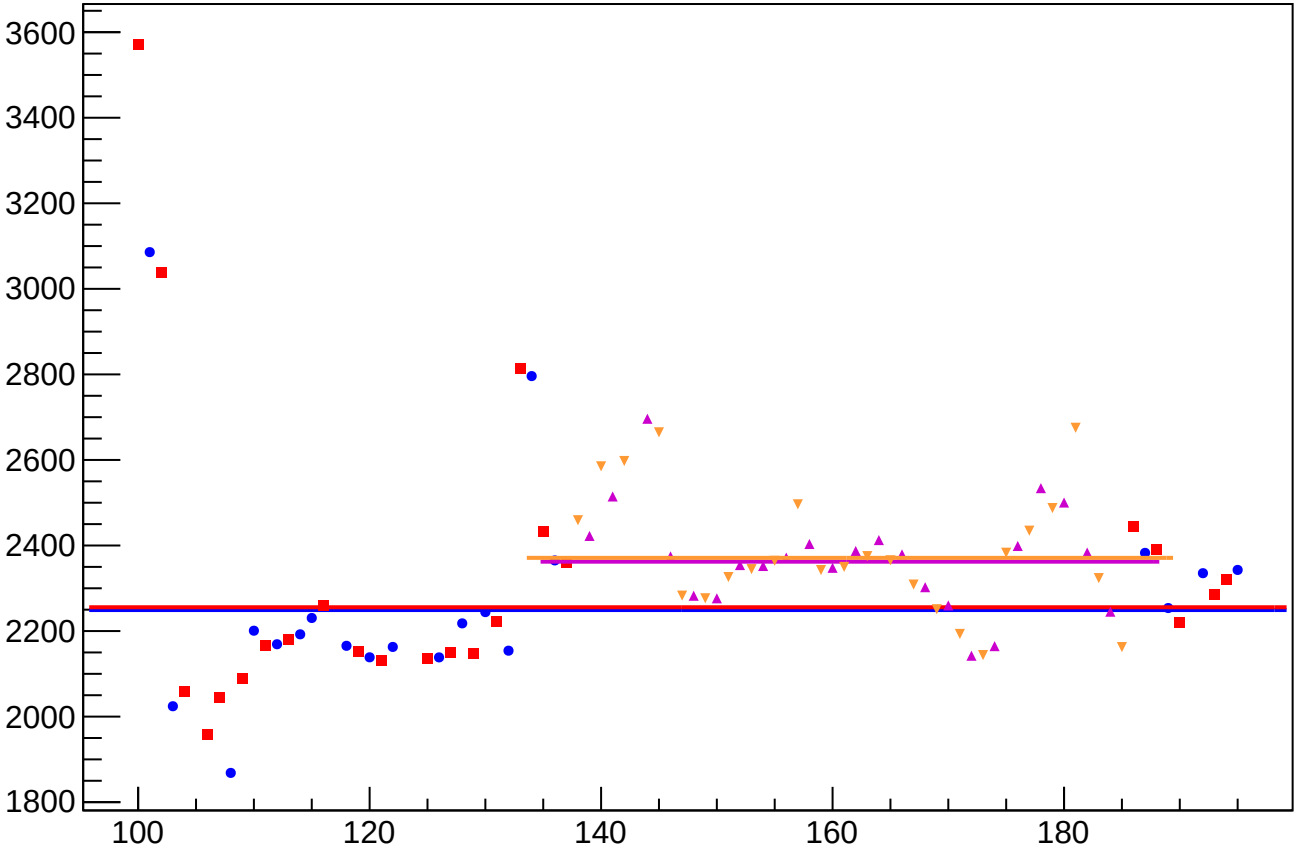
Right: 4531.902+/-502.761 χ^2/NDF: 28.4/42

In: 5163.174+/-438.991 χ^2/NDF:27.8/42

Out: 3020.460+/-433.201 χ^2/NDF:50.6/46

All: 4077.594+/-308.346 χ^2/NDF: 90.5/89

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2249.119+/-0.511 χ^2/NDF: 193054.3/19

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2255.655+/-0.495 χ^2/NDF: 186145.3/22

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

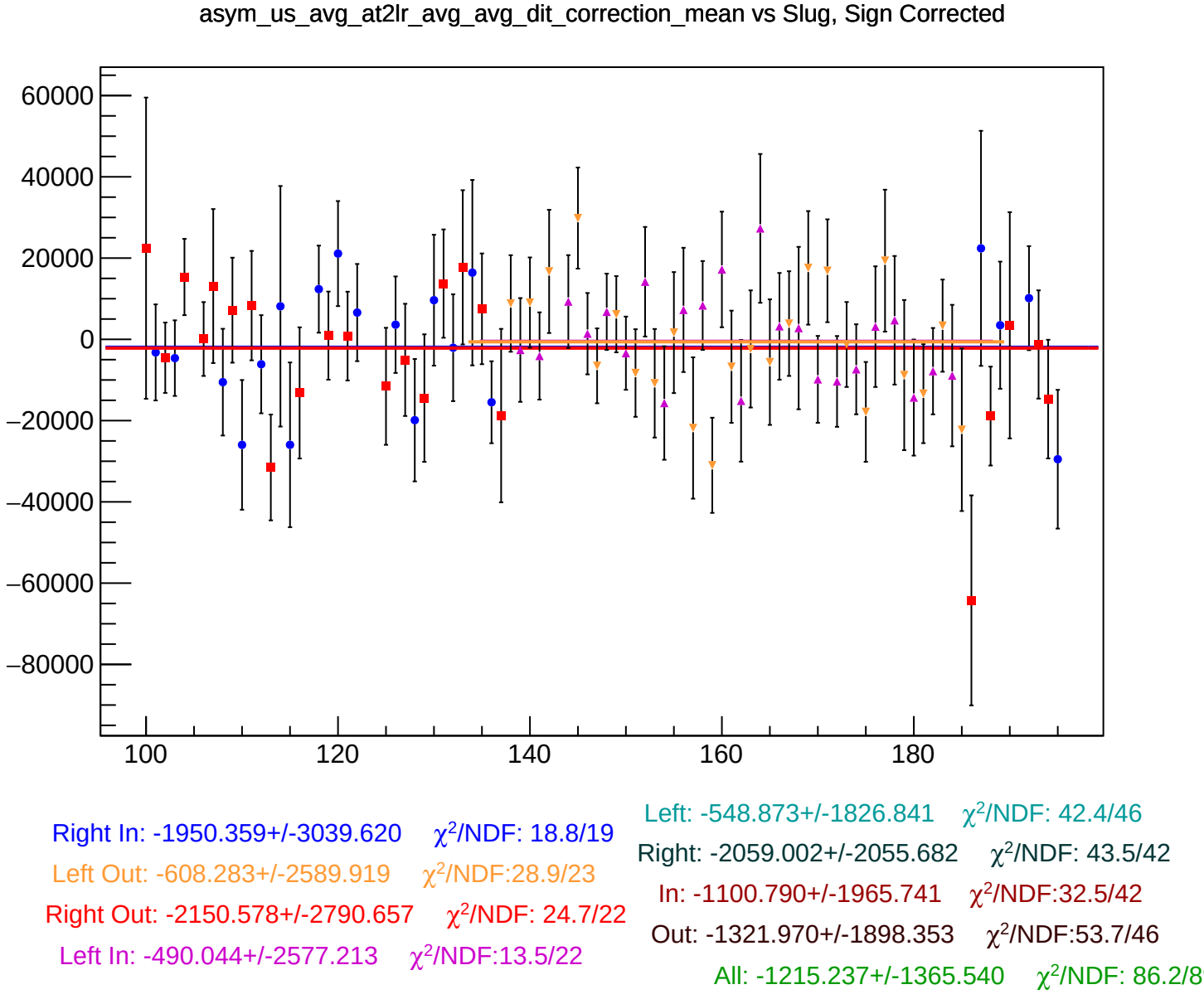
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

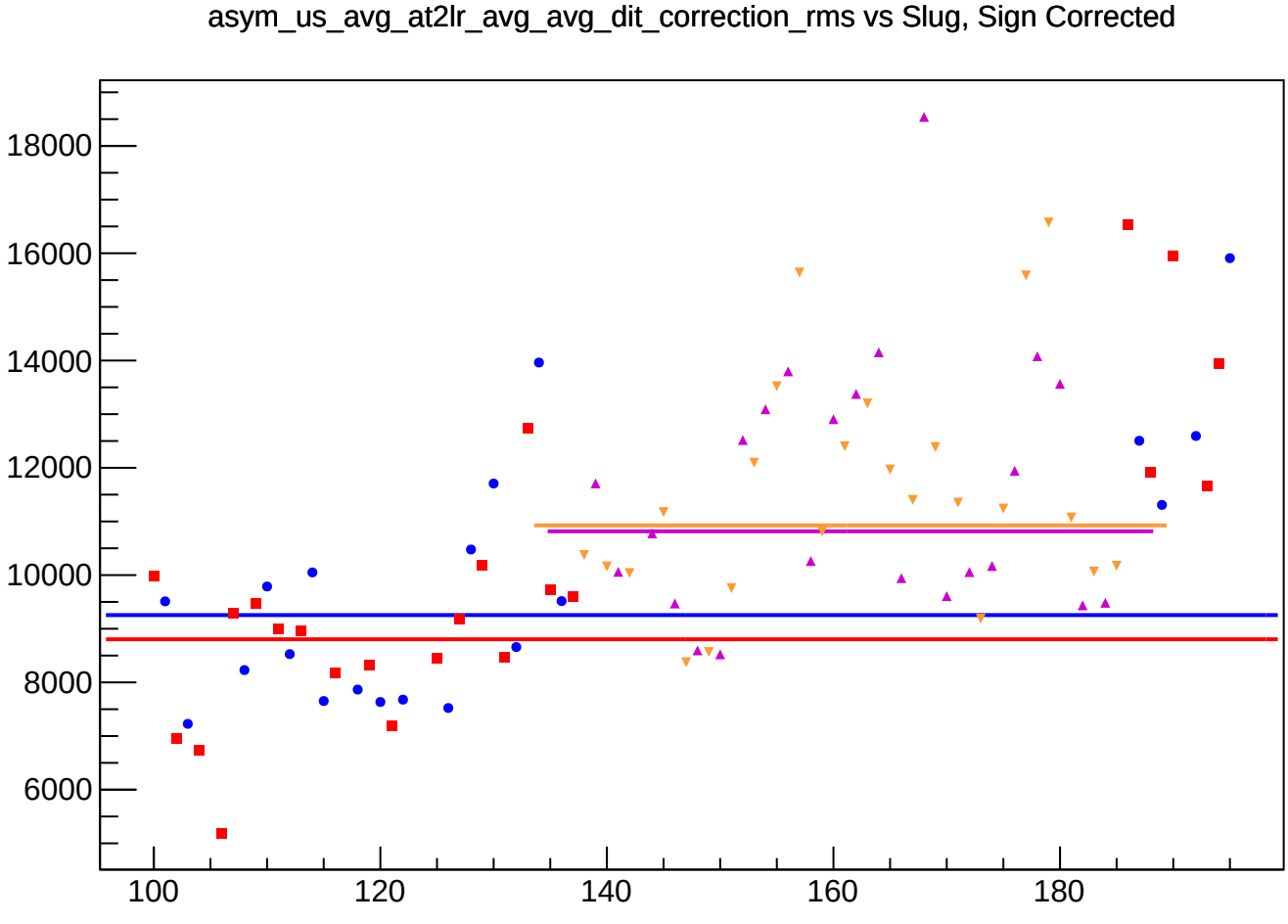
Right: 2252.494+/-0.355 χ^2/NDF: 379284.0/42

In: 2320.499+/-0.310 χ^2/NDF:315856.1/42

Out: 2326.858+/-0.306 χ^2/NDF:336053.0/46

All: 2323.721+/-0.218 χ^2/NDF: 652121.7/89


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
Right In: -1950.359+/-3039.620 χ²/NDF: 18.8/19
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -2150.578+/-2790.657 χ²/NDF: 24.7/22
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: -2059.002+/-2055.682 χ²/NDF: 43.5/42
In: -1100.790+/-1965.741 χ²/NDF:32.5/42
Out: -1321.970+/-1898.353 χ²/NDF:53.7/46
All: -1215.237+/-1365.540 χ²/NDF: 86.2/89



Right In: 9254.511+/-2.149 χ^2/NDF: 923240.9/19

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 8803.496+/-1.973 χ^2/NDF: 1464883.5/22

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

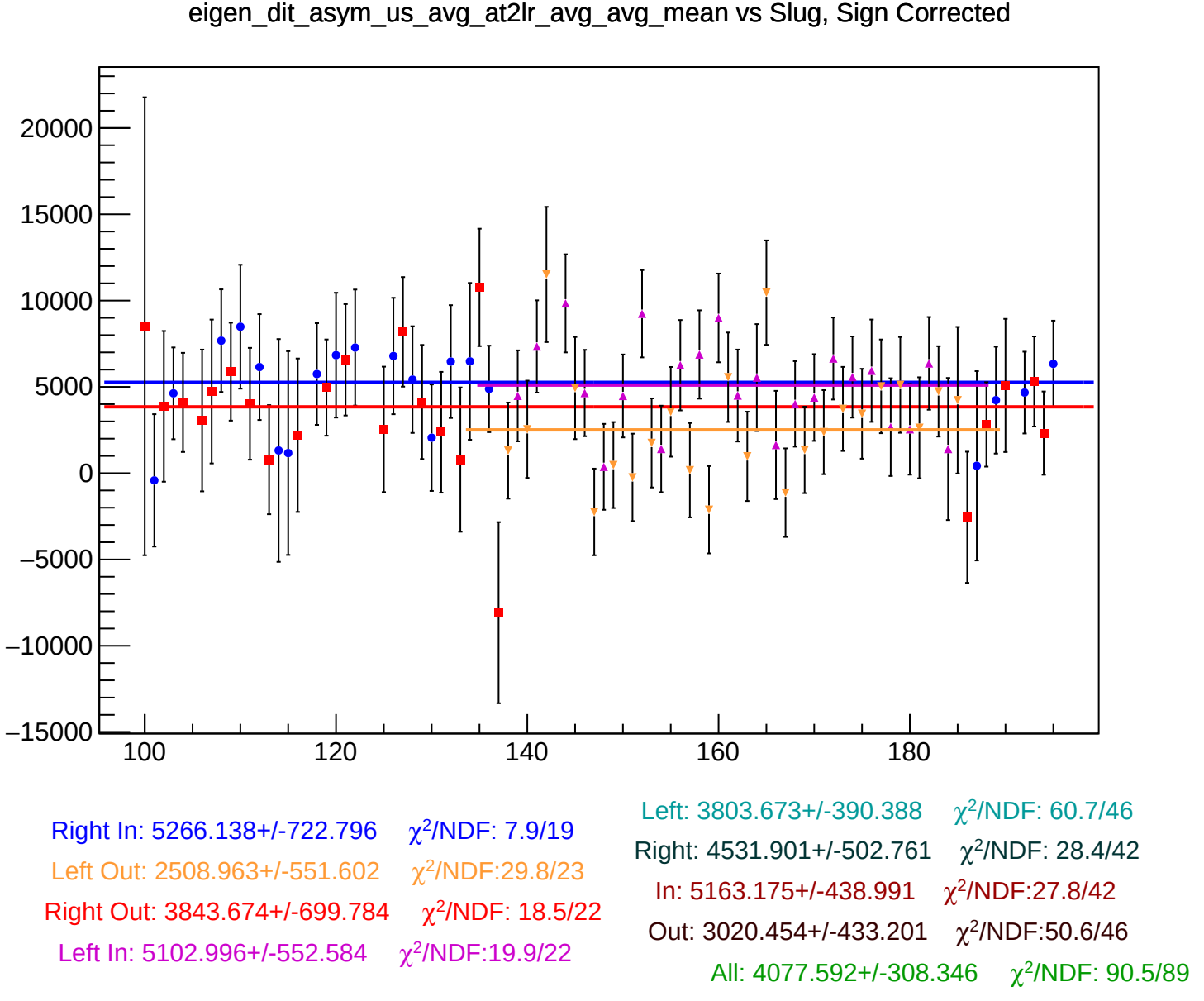
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

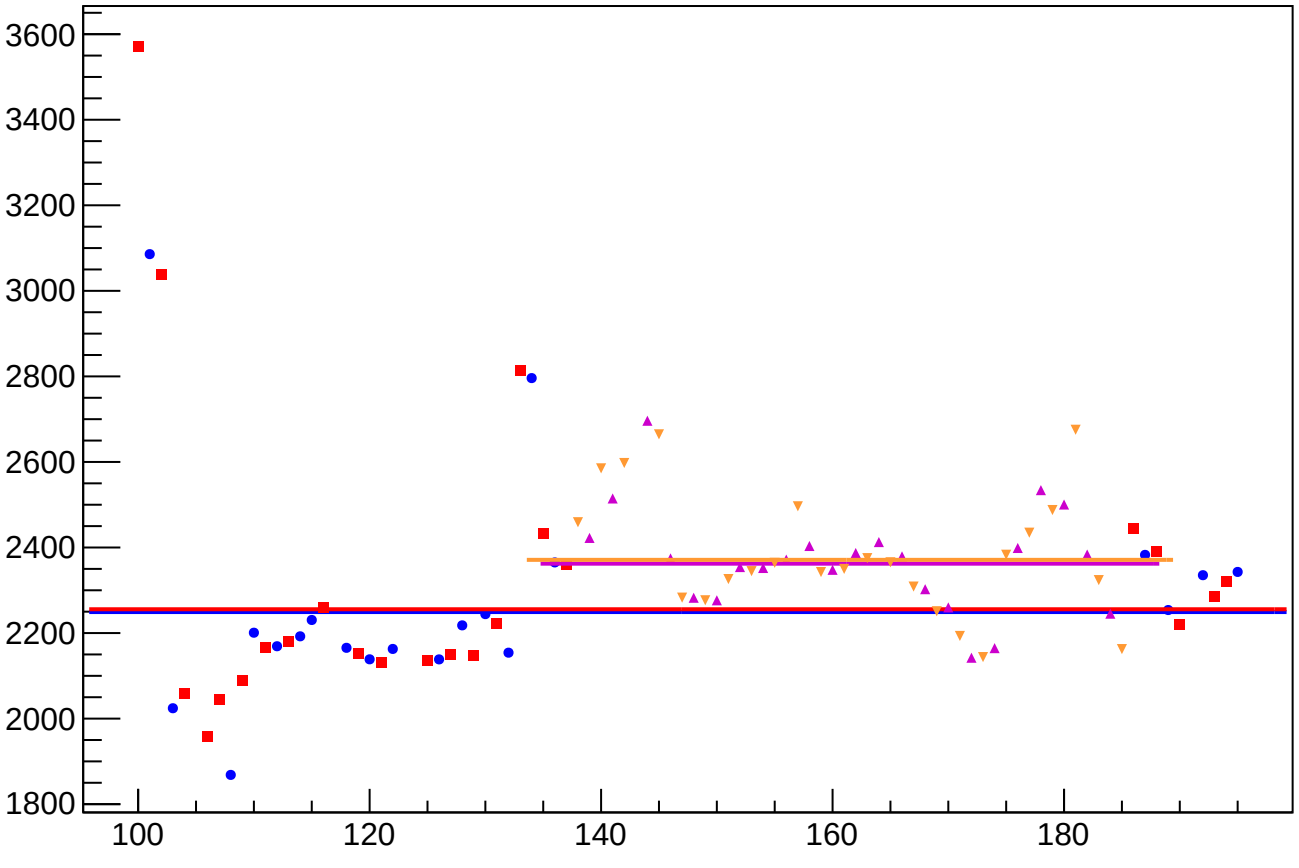
Right: 9009.779+/-1.454 χ^2/NDF: 2412017.5/42

In: 10163.126+/-1.390 χ^2/NDF:2427246.4/42

Out: 9944.286+/-1.342 χ^2/NDF:3144296.4/46

All: 10049.891+/-0.966 χ^2/NDF: 5584368.6/8


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 5266.138+/-722.796 χ²/NDF: 7.9/19
Left Out: 2508.963+/-551.602 χ²/NDF:29.8/23
Right Out: 3843.674+/-699.784 χ²/NDF: 18.5/22
Left In: 5102.996+/-552.584 χ²/NDF:19.9/22
Left: 3803.673+/-390.388 χ²/NDF: 60.7/46
Right: 4531.901+/-502.761 χ²/NDF: 28.4/42
In: 5163.175+/-438.991 χ²/NDF:27.8/42
Out: 3020.454+/-433.201 χ²/NDF:50.6/46
All: 4077.592+/-308.346 χ²/NDF: 90.5/89



Right In: 2249.118+/-0.511 χ^2/NDF: 193054.5/19

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2255.655+/-0.495 χ^2/NDF: 186145.3/22

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

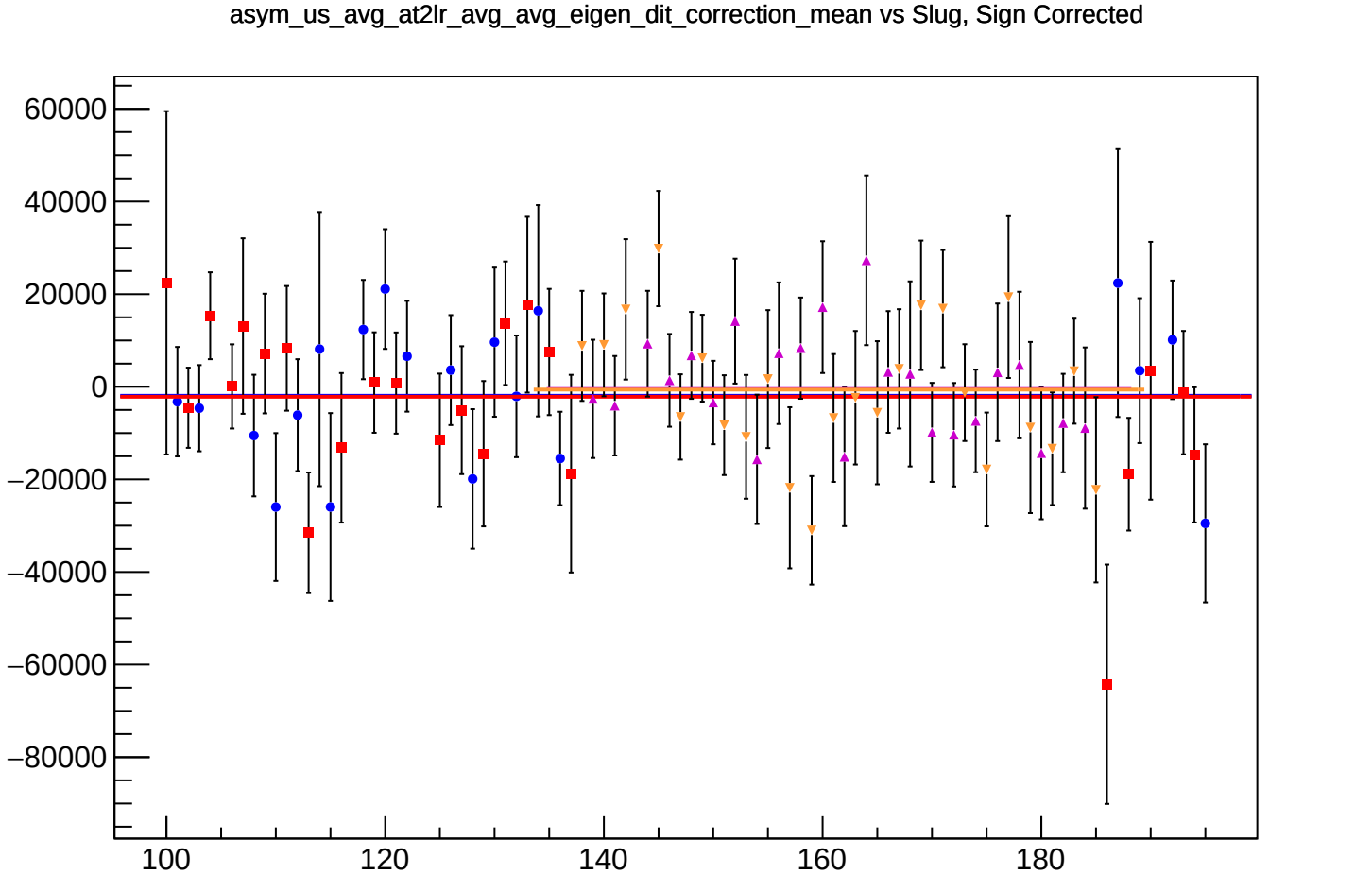
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2252.494+/-0.355 χ^2/NDF: 379284.3/42

In: 2320.500+/-0.310 χ^2/NDF:315863.1/42

Out: 2326.860+/-0.306 χ^2/NDF:336059.5/46

All: 2323.723+/-0.218 χ^2/NDF: 652135.3/89



Right In: -1950.339+/-3039.614 χ^2/NDF: 18.8/19

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -2150.564+/-2790.652 χ^2/NDF: 24.7/22

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

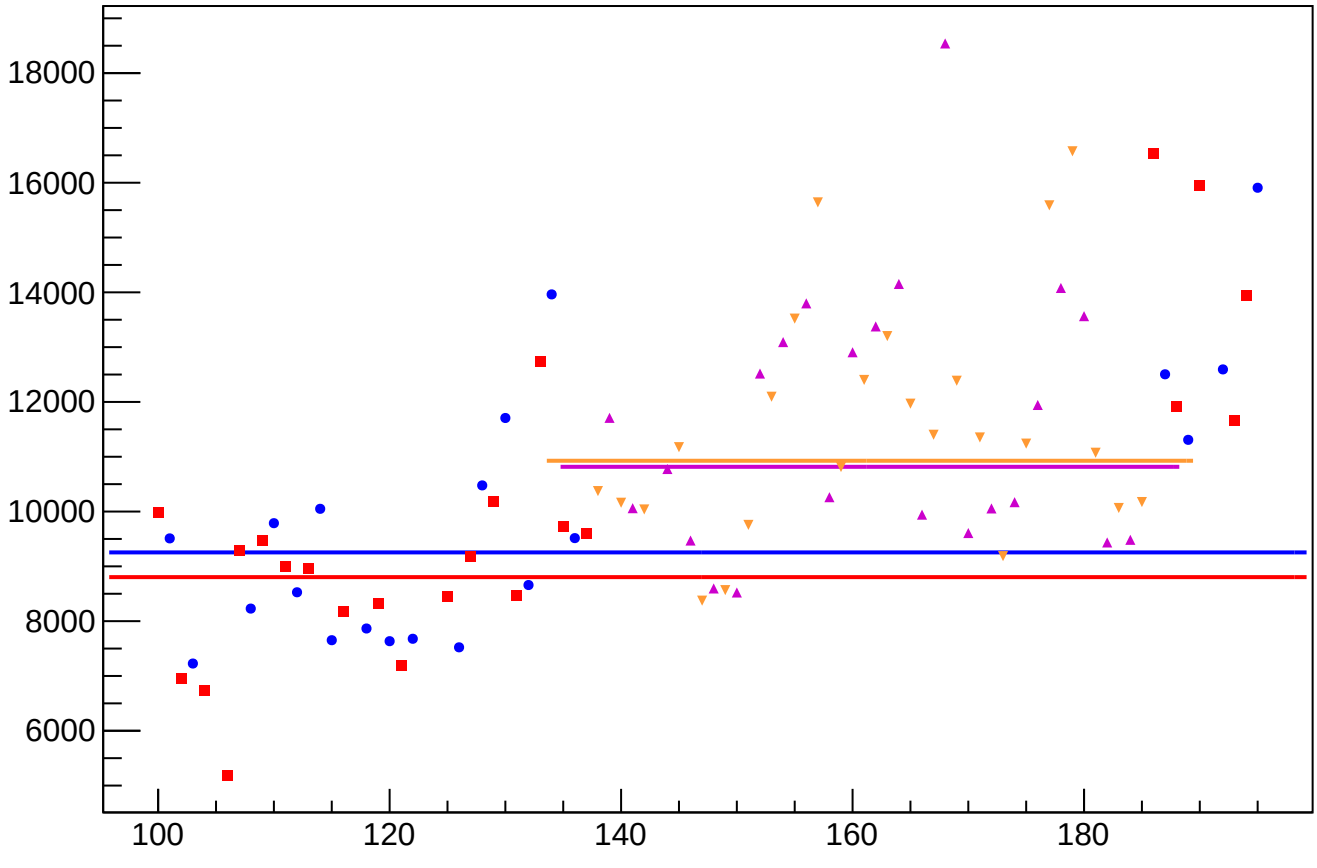
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

Right: -2058.986+/-2055.678 χ^2/NDF: 43.5/42

In: -1100.786+/-1965.742 χ^2/NDF:32.5/42

Out: -1321.971+/-1898.353 χ^2/NDF:53.7/46

All: -1215.235+/-1365.540 χ^2/NDF: 86.2/89



Right In: 9254.491+/-2.149 χ^2/NDF: 923251.8/19

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 8803.479+/-1.973 χ^2/NDF: 1464889.6/22

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

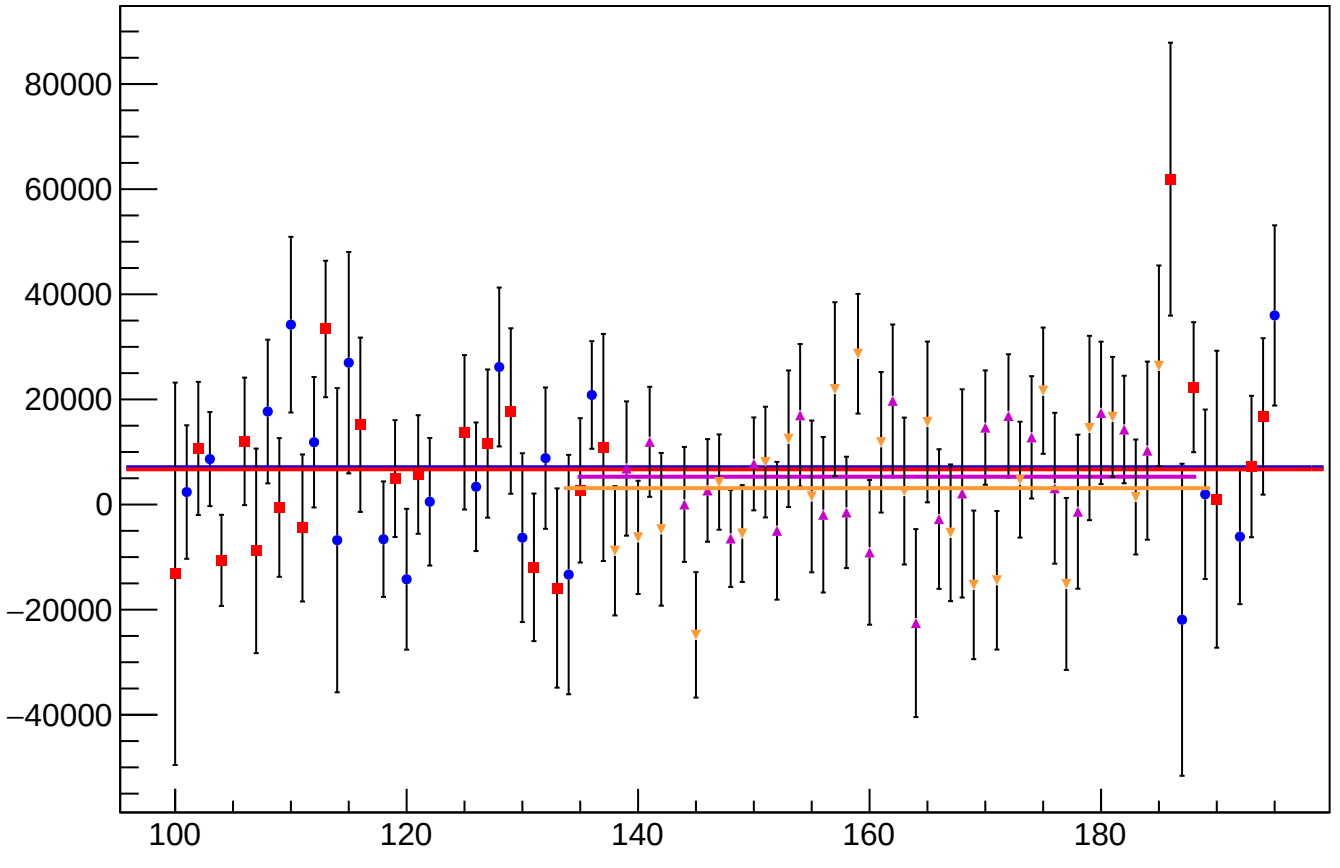
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 9009.761+/-1.454 χ^2/NDF: 2412034.3/42

In: 10163.125+/-1.390 χ^2/NDF:2427275.4/42

Out: 9944.284+/-1.342 χ^2/NDF:3144325.5/46

All: 10049.889+/-0.966 χ^2/NDF: 5584426.9/8



Right In: 7095.638+/-3092.032 χ^2/NDF: 19.0/19

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 6706.002+/-2956.347 χ^2/NDF: 21.4/22

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

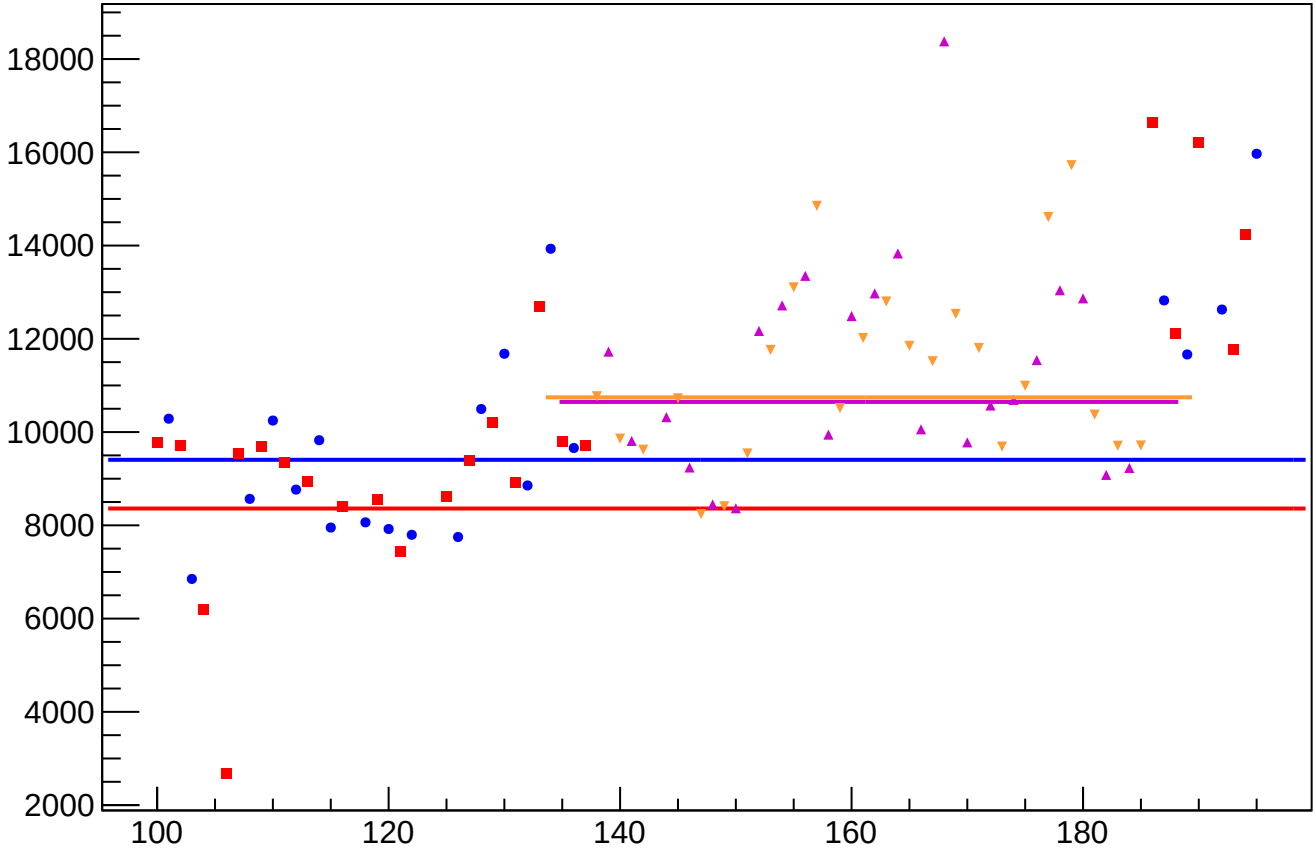
Right: 6892.084+/-2136.811 χ^2/NDF: 40.5/42

In: 6015.552+/-1959.451 χ^2/NDF:32.6/42

Out: 4644.399+/-1927.827 χ^2/NDF:49.7/46

All: 5318.822+/-1374.224 χ^2/NDF: 82.5/89

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 9405.595+/-2.186 χ^2/NDF: 945524.3/19

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 8360.813+/-1.963 χ^2/NDF: 2791144.1/22

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

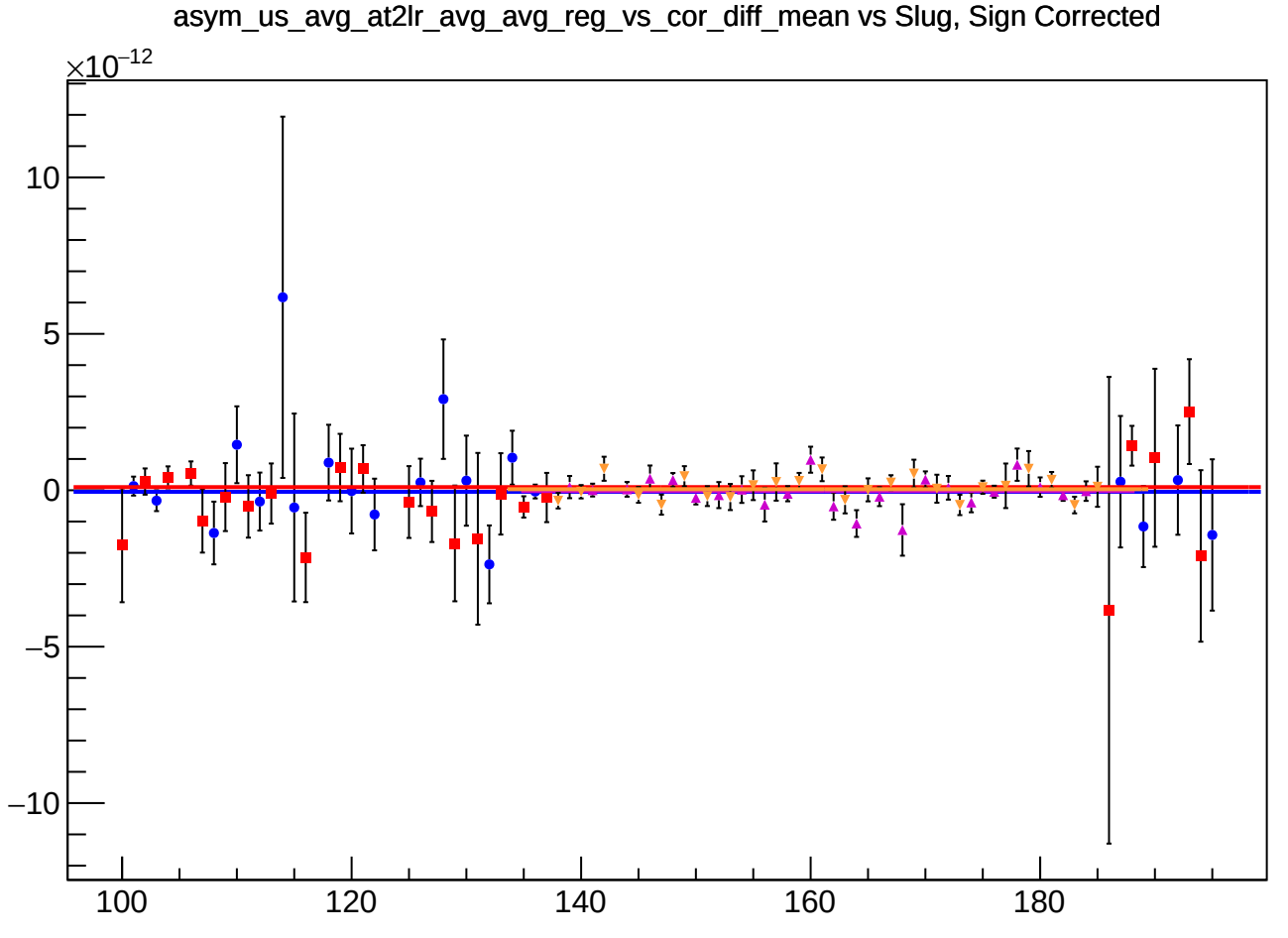
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 8827.252+/-1.461 χ^2/NDF: 3863073.0/42

In: 10148.147+/-1.386 χ^2/NDF:2252344.3/42

Out: 9657.732+/-1.326 χ^2/NDF:4557913.1/46

All: 9892.188+/-0.958 χ^2/NDF: 6875645.7/89



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

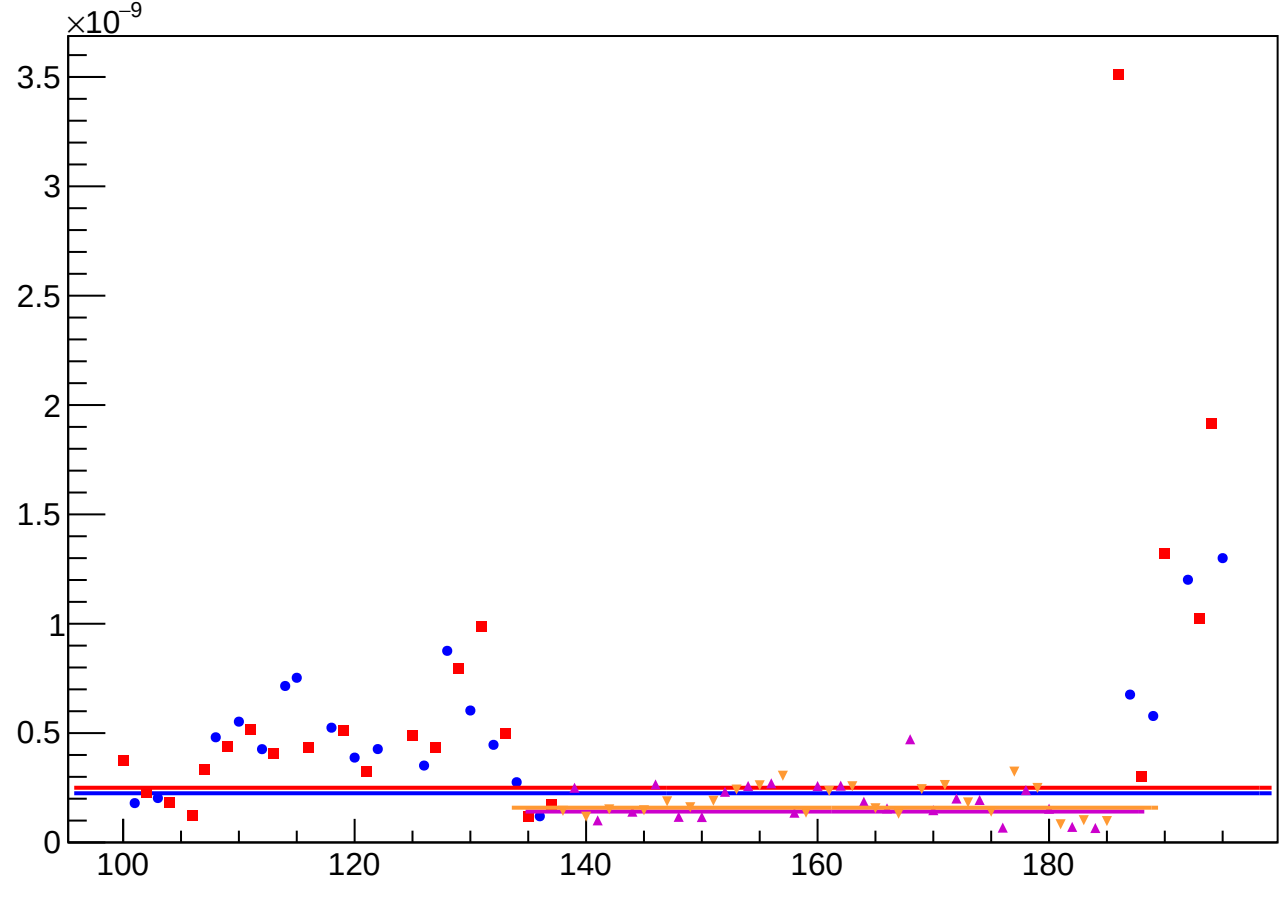
Right: 0.000+/-0.000 χ^2/NDF: 37.5/42

In: -0.000+/-0.000 χ^2/NDF:43.4/42

Out: 0.000+/-0.000 χ^2/NDF:47.9/46

All: 0.000+/-0.000 χ^2/NDF: 92.1/89

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2919322.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3435883.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

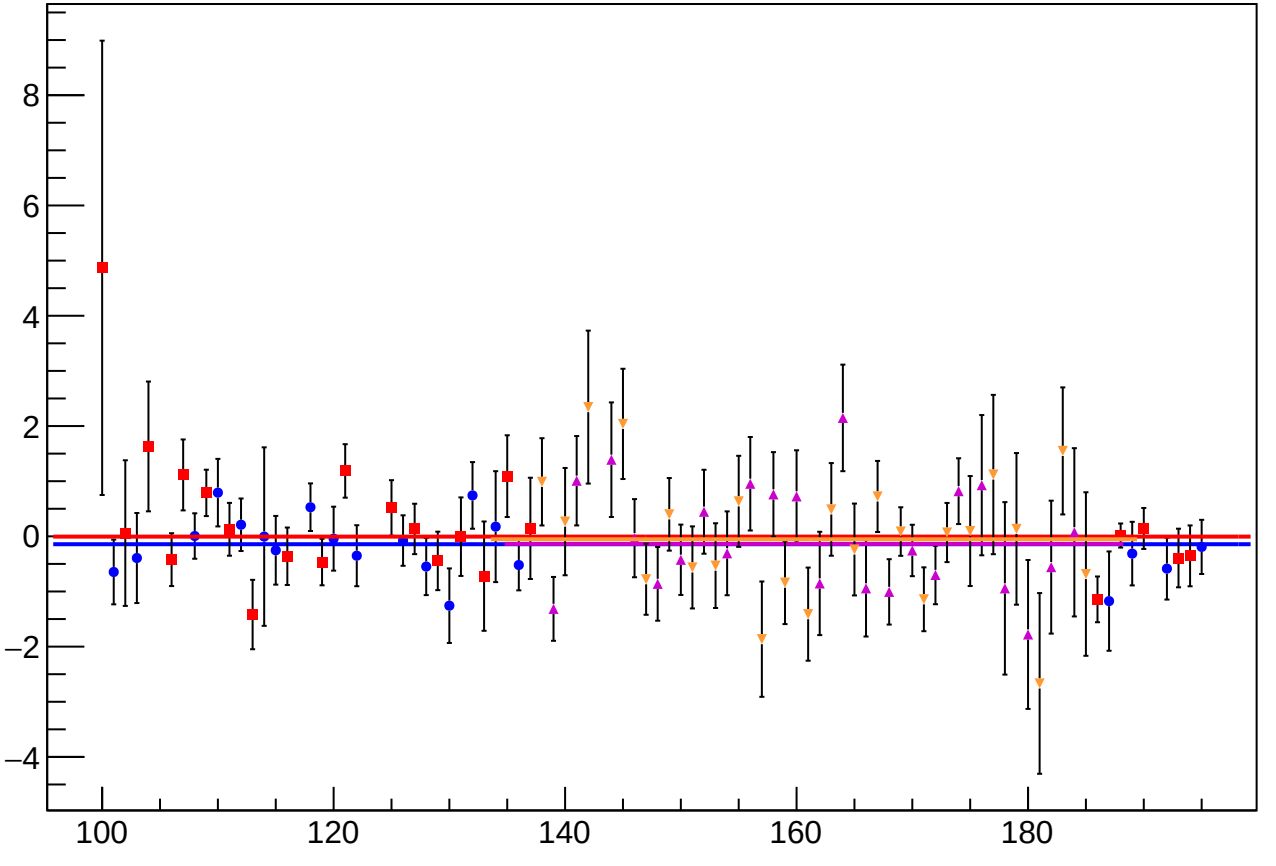
Right: 0.000+/-0.000 χ^2/NDF: 6385199.1/42

In: 0.000+/-0.000 χ^2/NDF:5917081.2/42

Out: 0.000+/-0.000 χ^2/NDF:5347895.4/46

All: 0.000+/-0.000 χ^2/NDF: 11370496.1/89

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: -0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

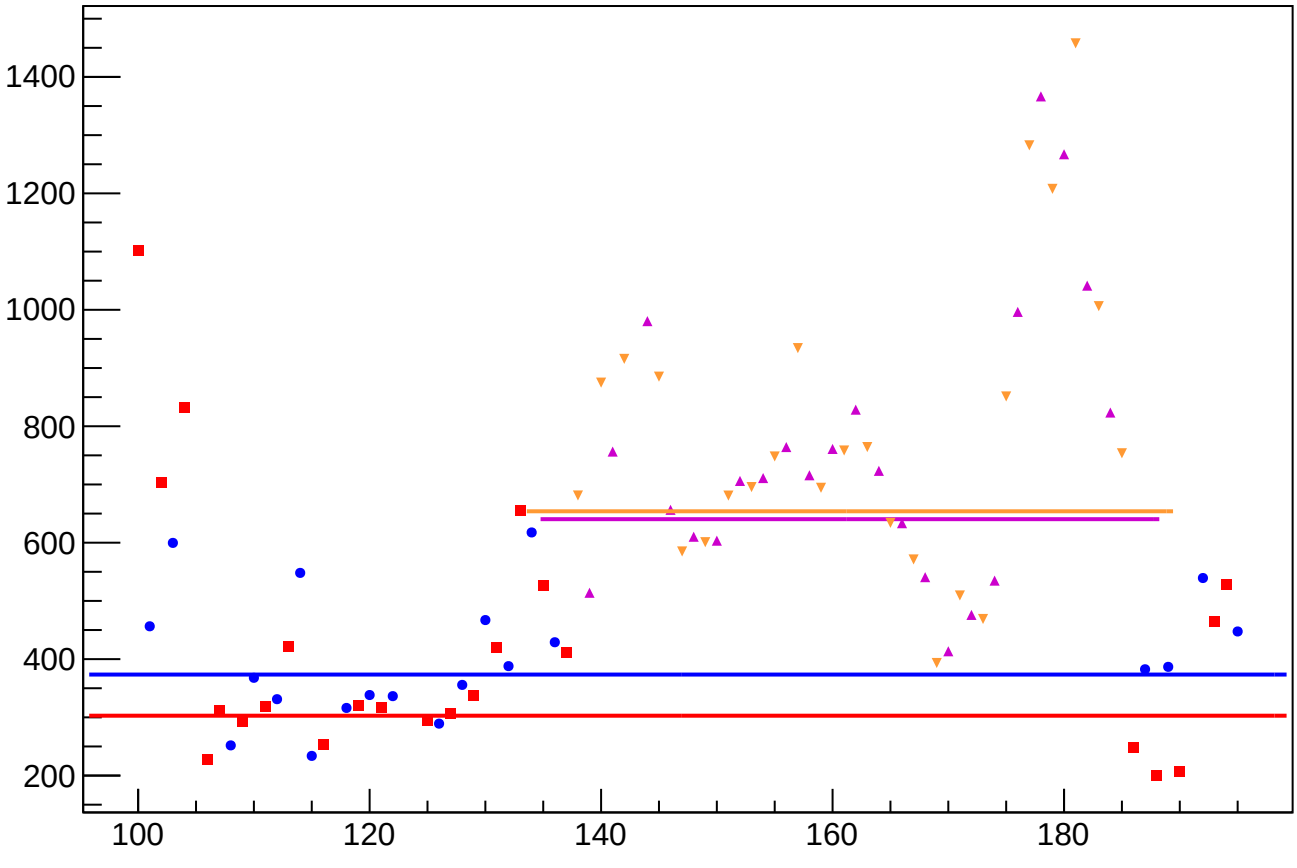
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.060+/-0.080 χ^2/NDF: 52.2/42

In: -0.141+/-0.099 χ^2/NDF:44.7/42

Out: -0.019+/-0.087 χ^2/NDF:66.9/46

All: -0.072+/-0.065 χ^2/NDF: 112.5/89



Right In: 373.508+/-0.089 χ^2/NDF: 1037186.4/19

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 302.842+/-0.073 χ^2/NDF: 2469645.4/22

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

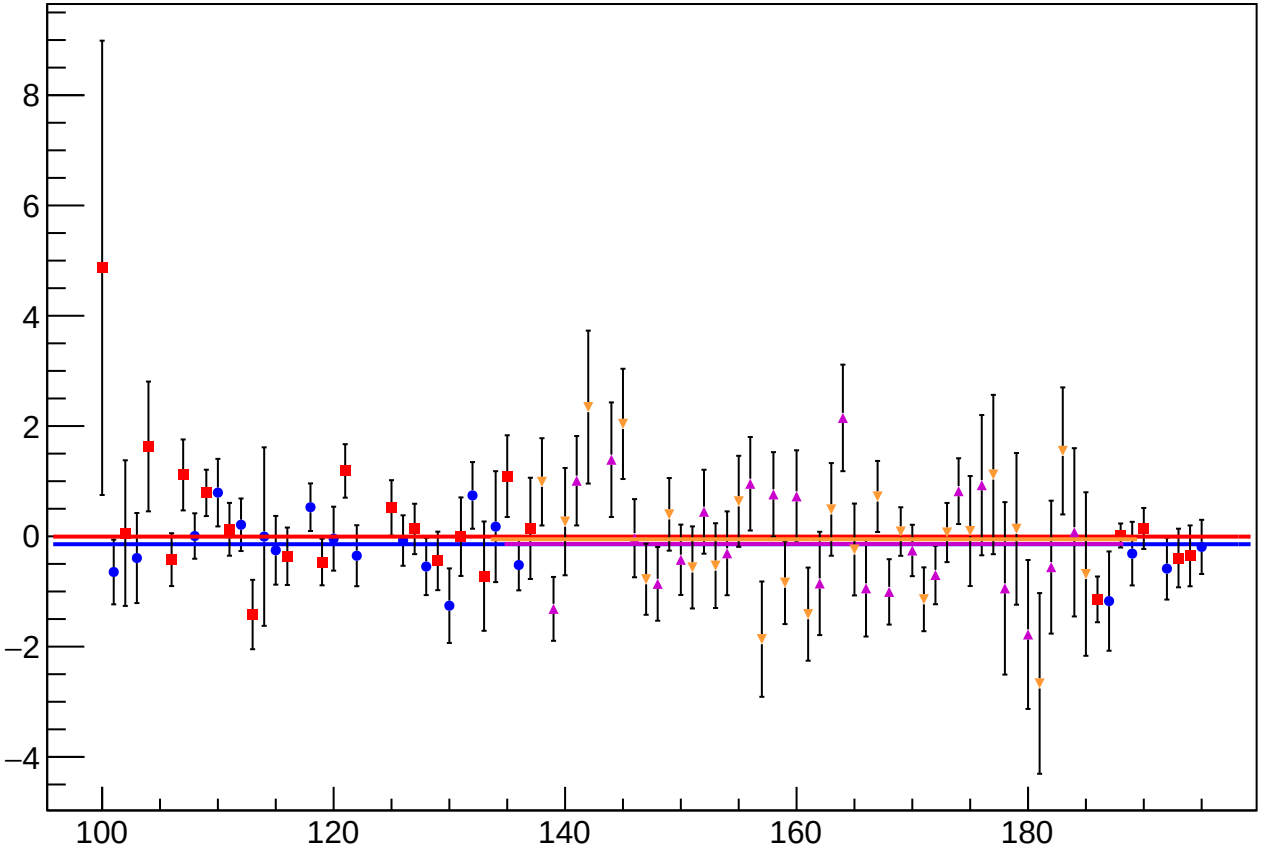
Right: 331.205+/-0.057 χ^2/NDF: 3881450.7/42

In: 477.698+/-0.070 χ^2/NDF:7169739.9/42

Out: 405.132+/-0.062 χ^2/NDF:12306559.6/46

All: 436.916+/-0.046 χ^2/NDF: 20084652.9/89

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: -0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

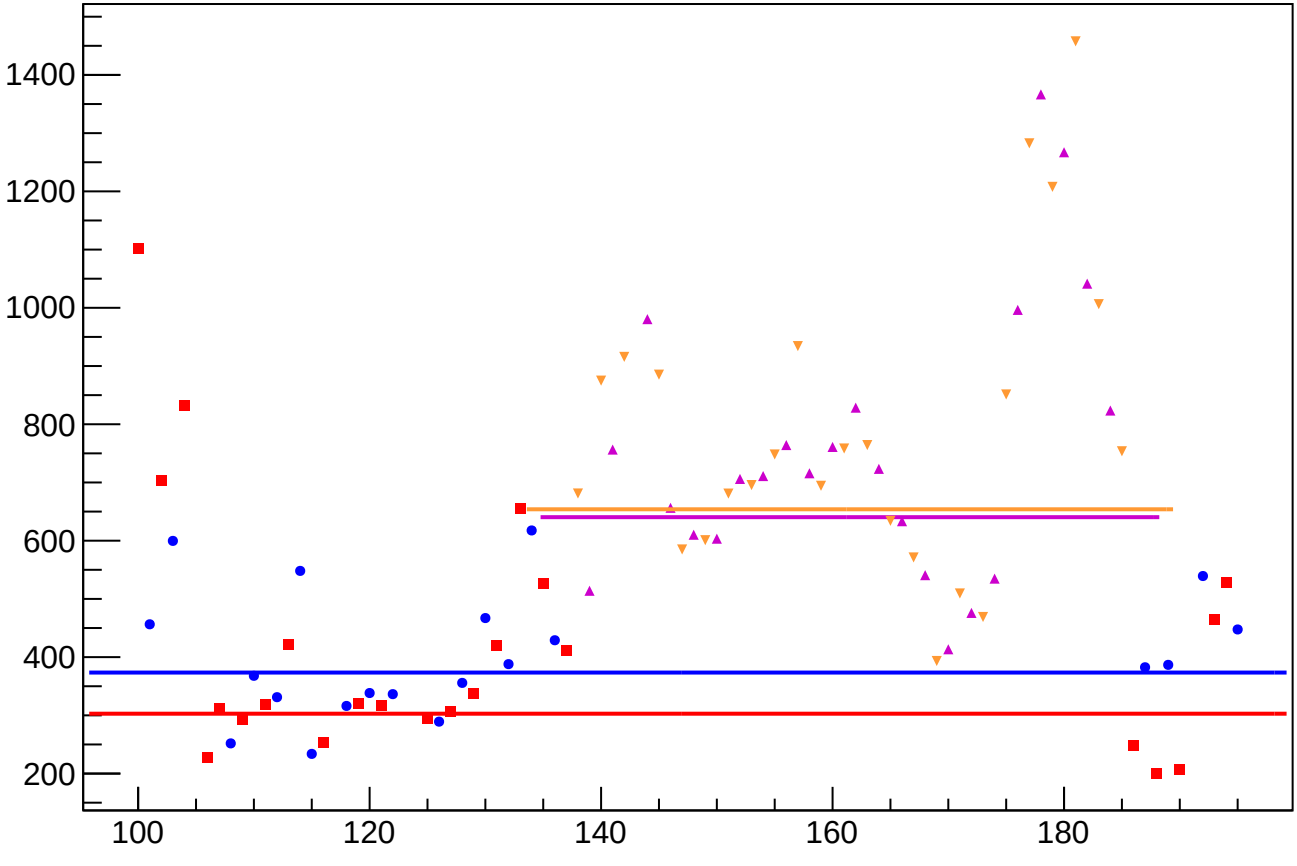
Right: -0.060+/-0.080 χ^2/NDF: 52.2/42

In: -0.141+/-0.099 χ^2/NDF:44.7/42

Out: -0.019+/-0.087 χ^2/NDF:66.9/46

All: -0.072+/-0.065 χ^2/NDF: 112.5/89

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 373.508+/-0.089 χ^2/NDF: 1037186.4/19

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 302.842+/-0.073 χ^2/NDF: 2469645.4/22

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

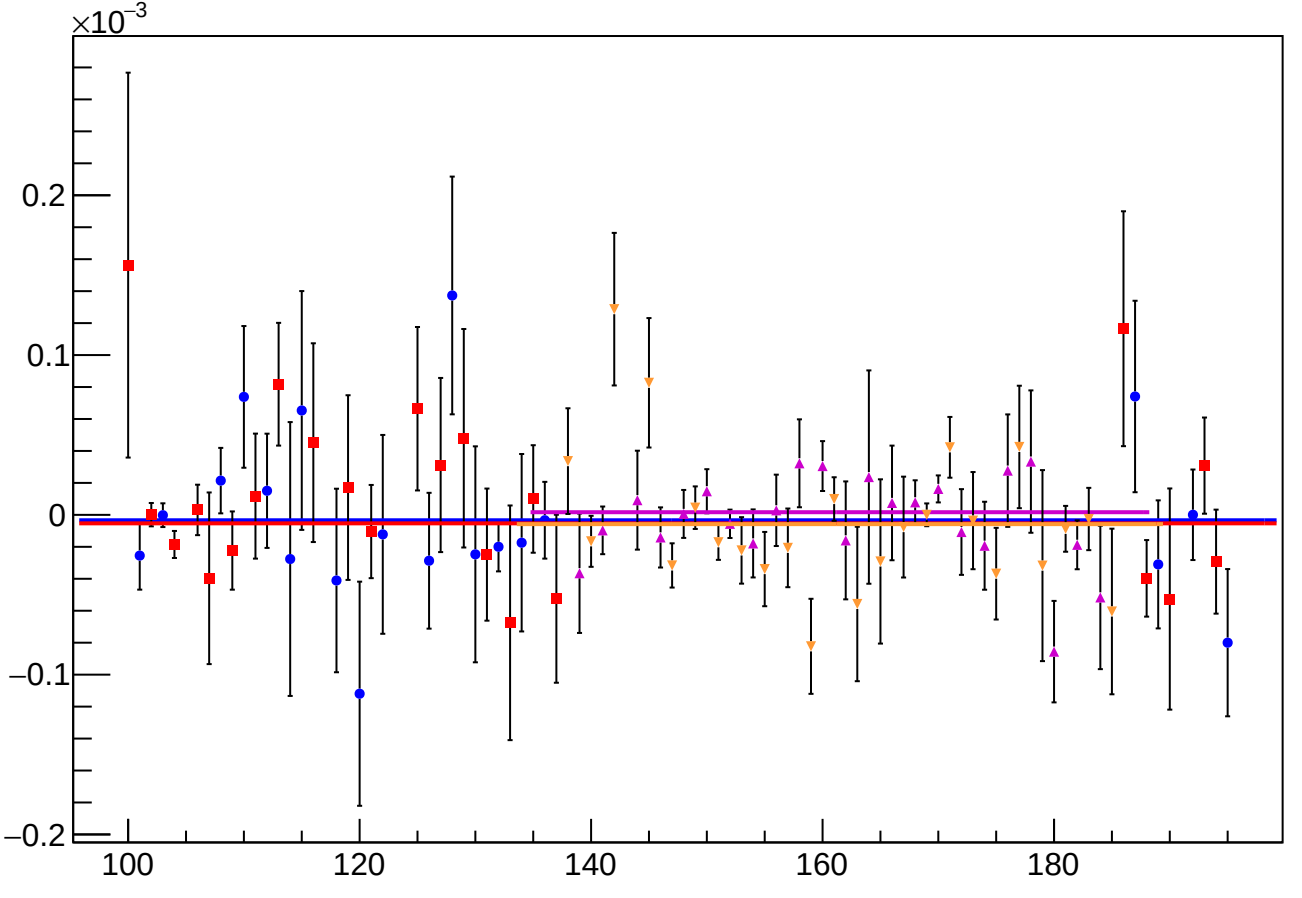
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 331.205+/-0.057 χ^2/NDF: 3881450.7/42

In: 477.698+/-0.070 χ^2/NDF:7169739.9/42

Out: 405.132+/-0.062 χ^2/NDF:12306559.6/46

All: 436.916+/-0.046 χ^2/NDF: 20084652.9/89



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/22

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

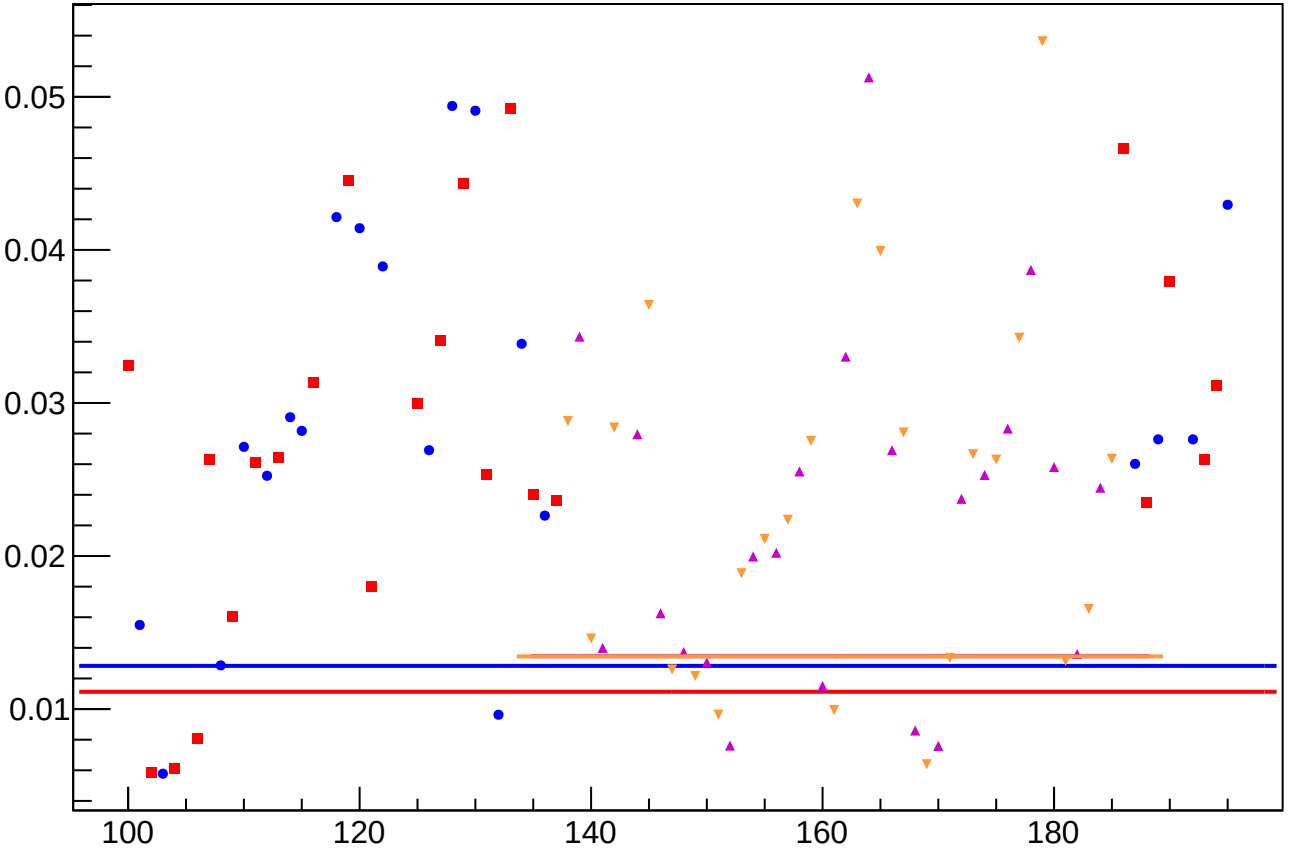
Right: -0.000+/-0.000 χ^2/NDF: 44.4/42

In: 0.000+/-0.000 χ^2/NDF:46.2/42

Out: -0.000+/-0.000 χ^2/NDF:67.0/46

All: -0.000+/-0.000 χ^2/NDF: 114.9/89

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 7400351.2/19

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.011+/-0.000 χ^2/NDF: 8570632.9/22

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

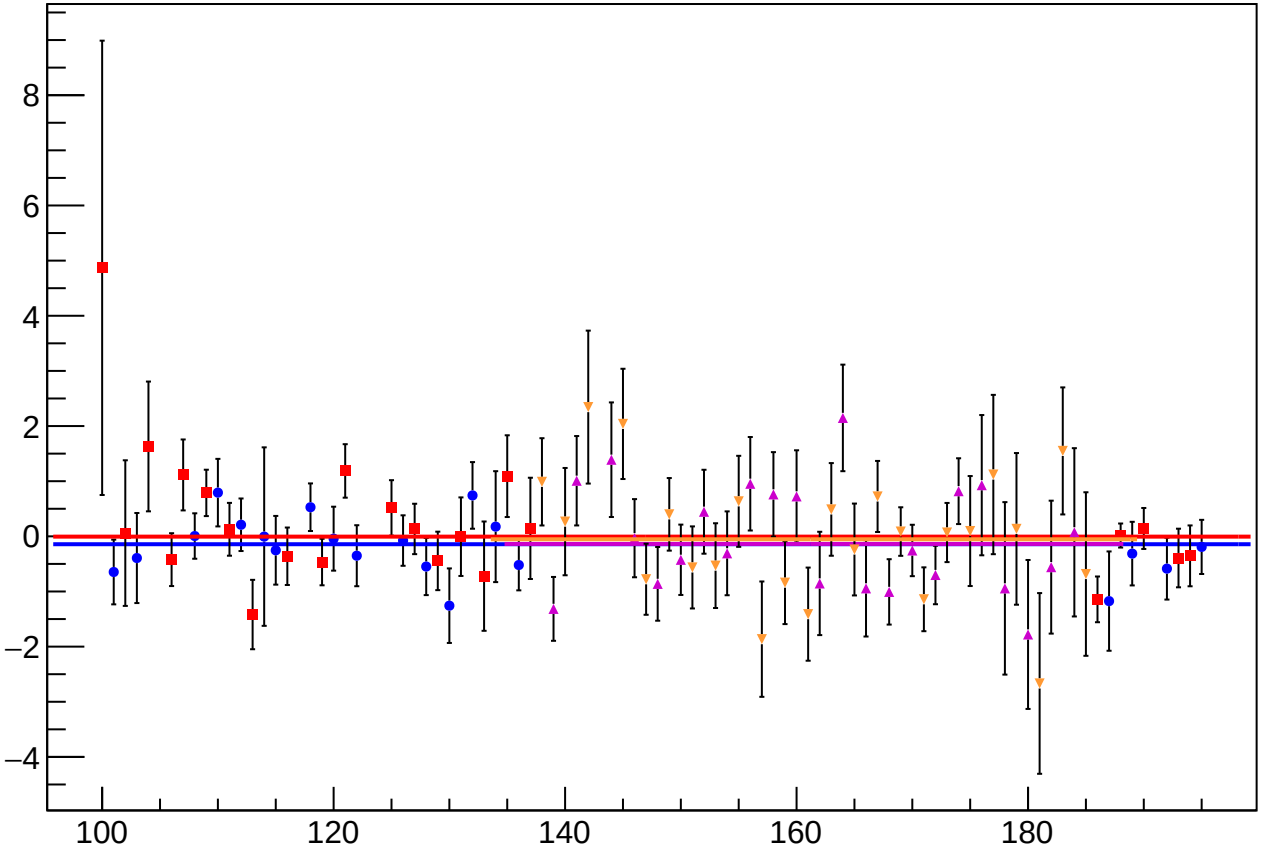
Right: 0.012+/-0.000 χ^2/NDF: 16087726.3/42

In: 0.013+/-0.000 χ^2/NDF:14967500.4/42

Out: 0.013+/-0.000 χ^2/NDF:17739719.9/46

All: 0.013+/-0.000 χ^2/NDF: 32769137.1/89

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: -0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

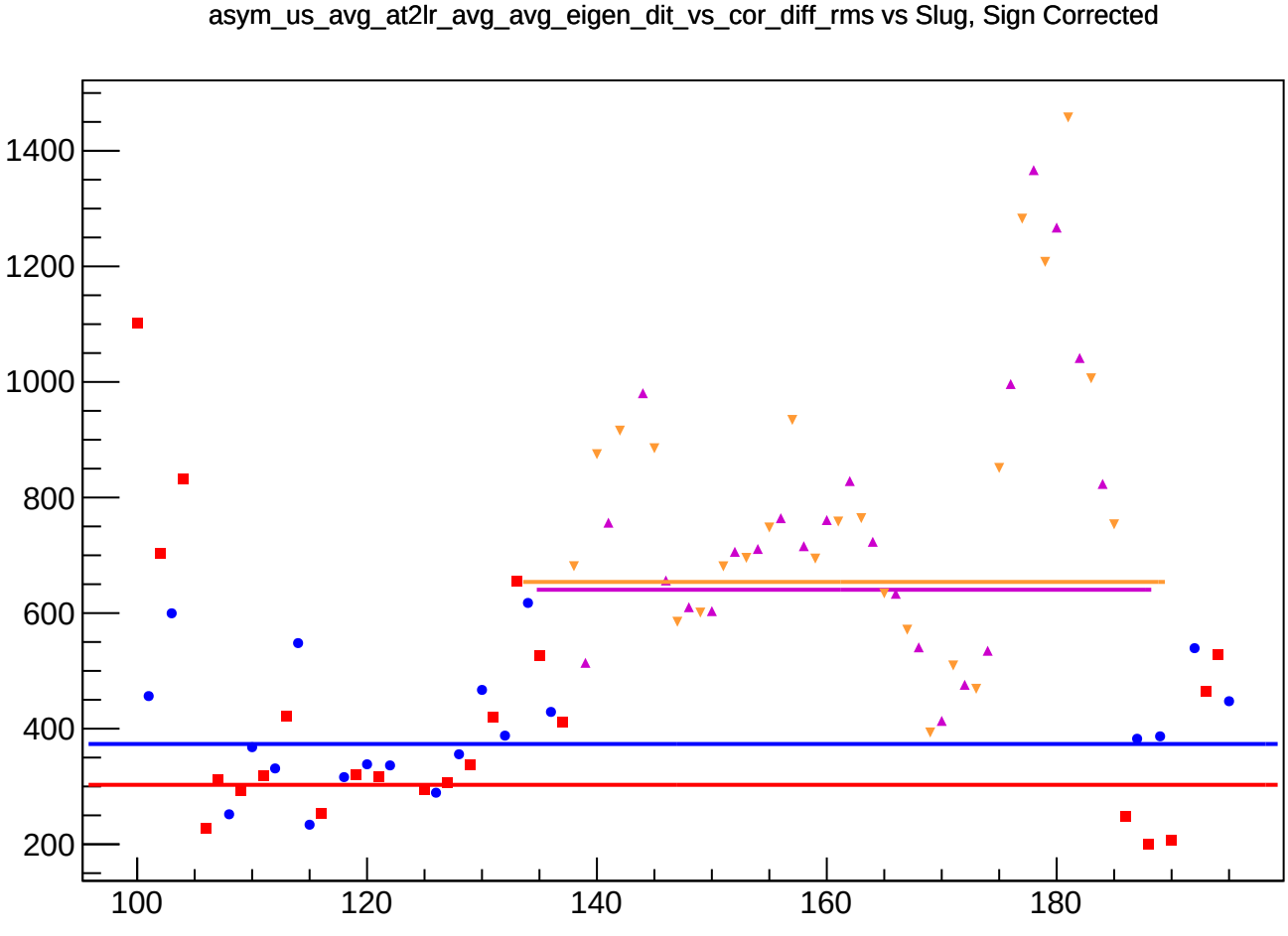
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.060+/-0.080 χ^2/NDF: 52.2/42

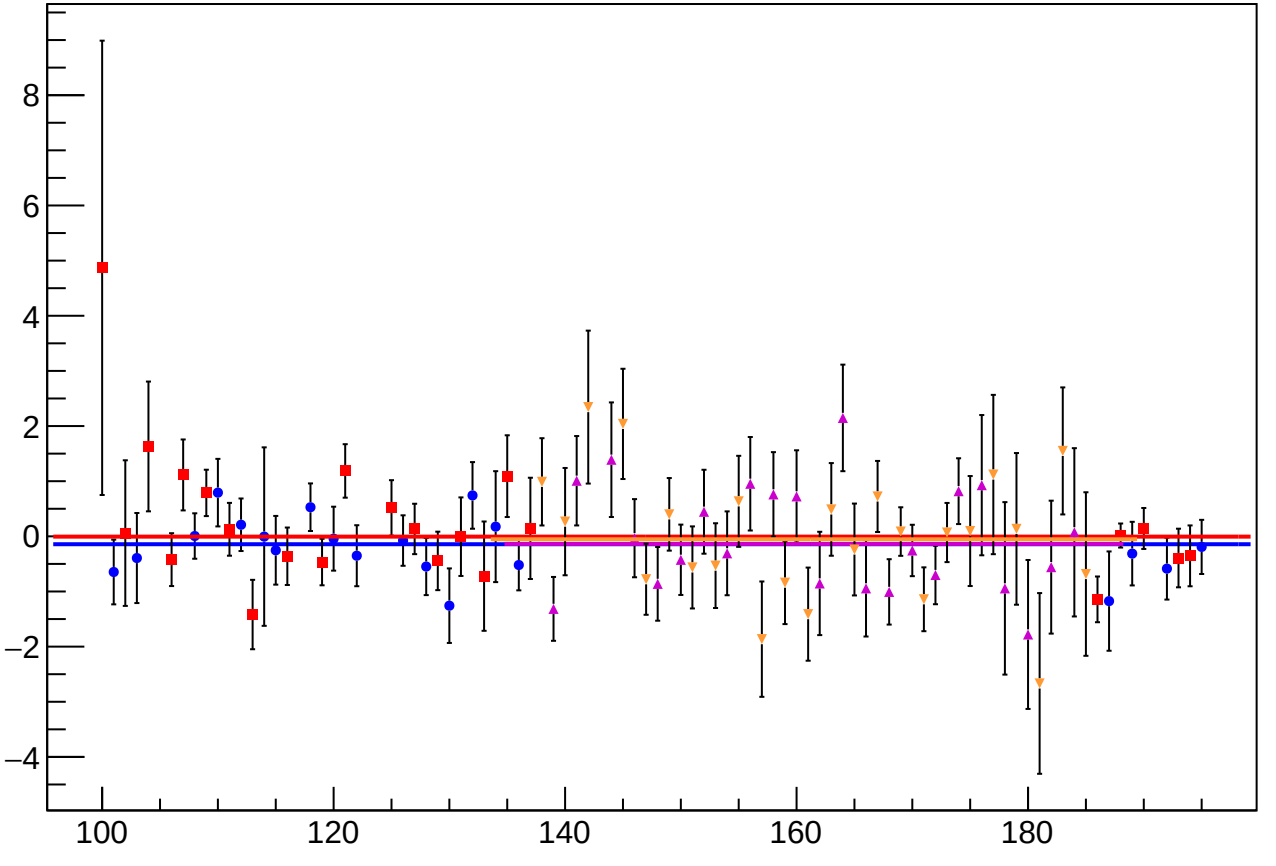
In: -0.141+/-0.099 χ^2/NDF:44.7/42

Out: -0.019+/-0.087 χ^2/NDF:66.9/46

All: -0.073+/-0.065 χ^2/NDF: 112.5/89


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 373.507+/-0.089 χ²/NDF: 1037148.6/19
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 302.836+/-0.073 χ²/NDF: 2469765.7/22
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
Left: 647.016+/-0.080 χ²/NDF: 5780002.9/46
Right: 331.200+/-0.057 χ²/NDF: 3881596.7/42
In: 477.697+/-0.070 χ²/NDF:7169931.7/42
Out: 405.124+/-0.062 χ²/NDF:12307181.8/46
All: 436.912+/-0.046 χ²/NDF: 20085580.7/89

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.143+/-0.126 χ^2/NDF: 14.8/19

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: -0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

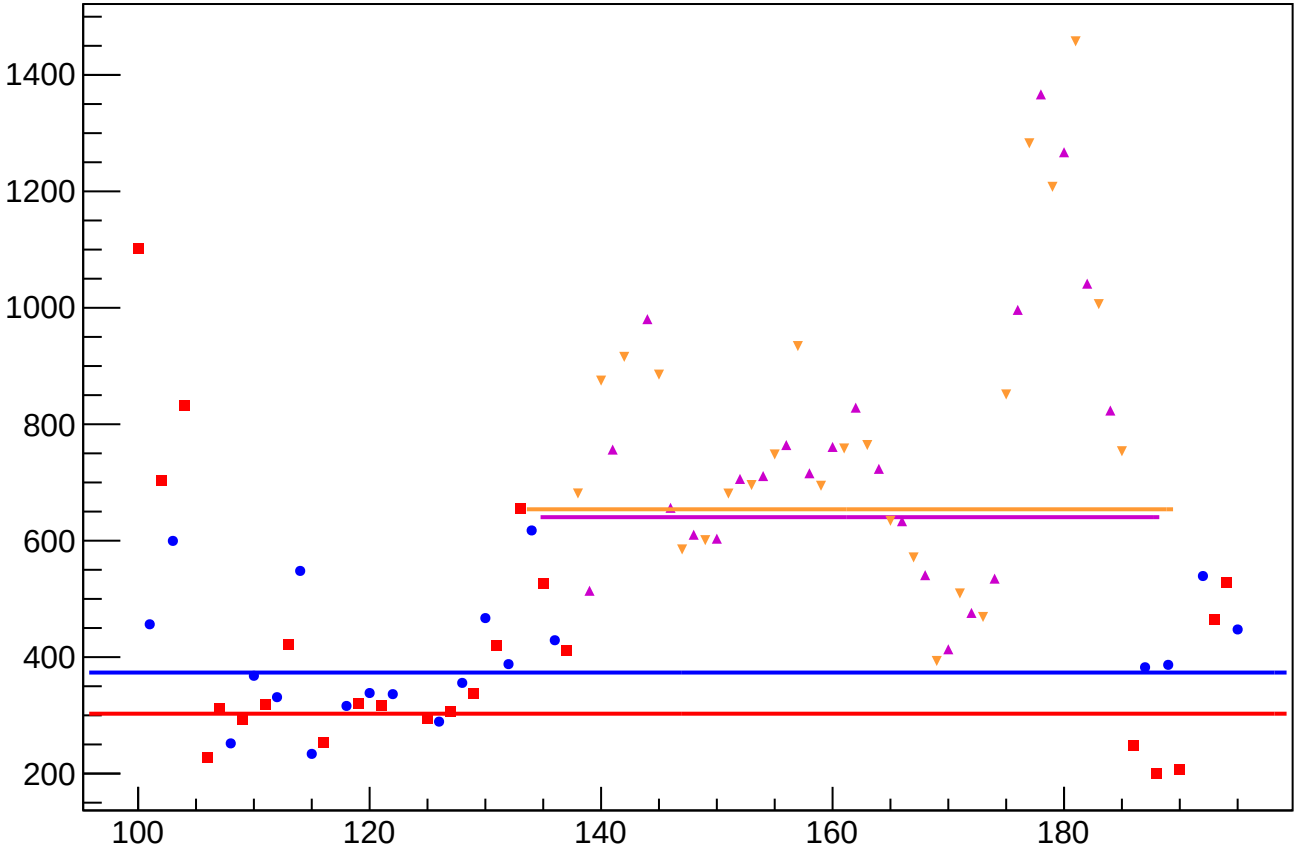
Right: -0.060+/-0.080 χ^2/NDF: 52.2/42

In: -0.141+/-0.099 χ^2/NDF:44.7/42

Out: -0.019+/-0.087 χ^2/NDF:66.9/46

All: -0.073+/-0.065 χ^2/NDF: 112.5/89

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 373.507+/-0.089 χ^2/NDF: 1037148.6/19

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 302.836+/-0.073 χ^2/NDF: 2469765.7/22

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

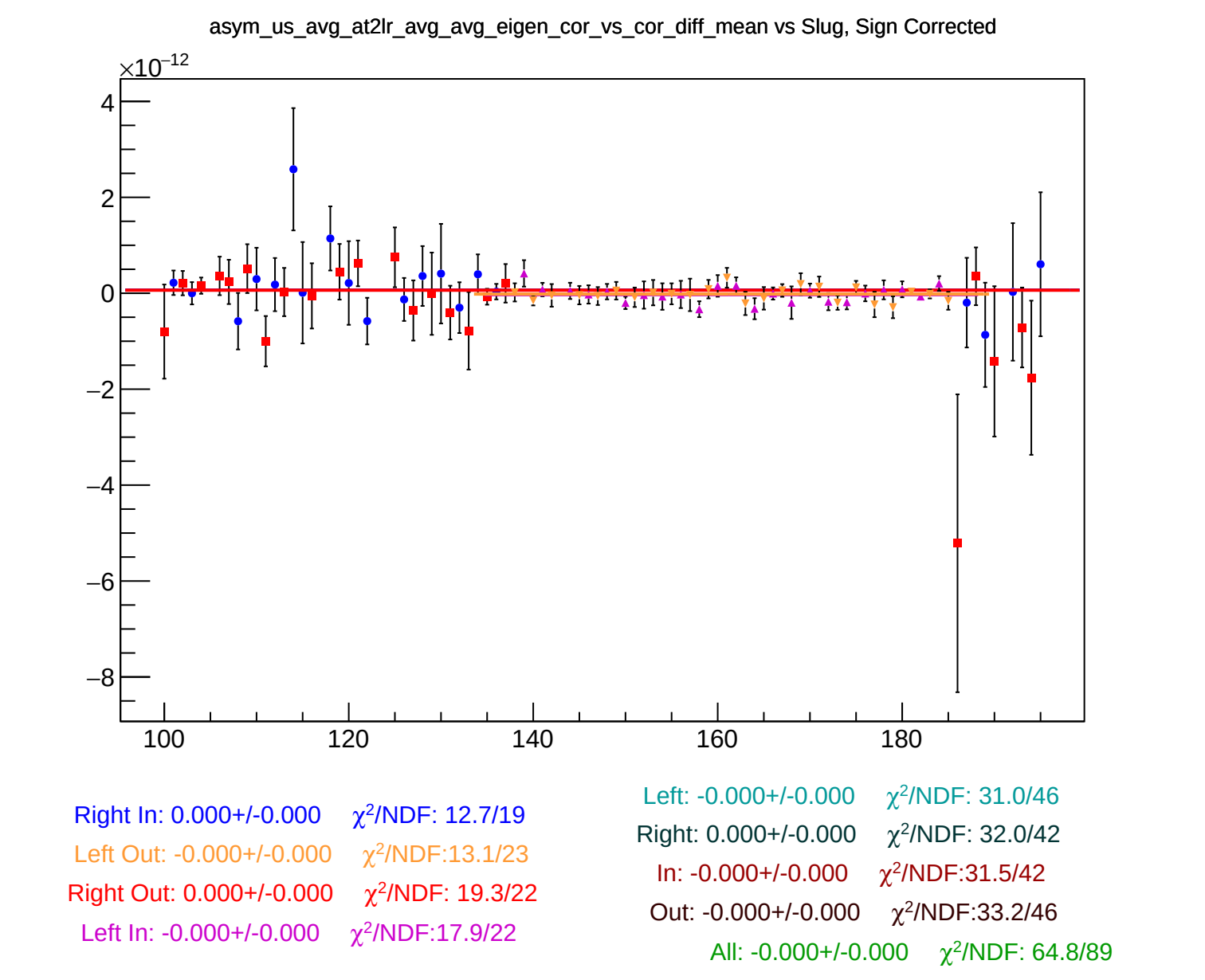
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 331.200+/-0.057 χ^2/NDF: 3881596.7/42

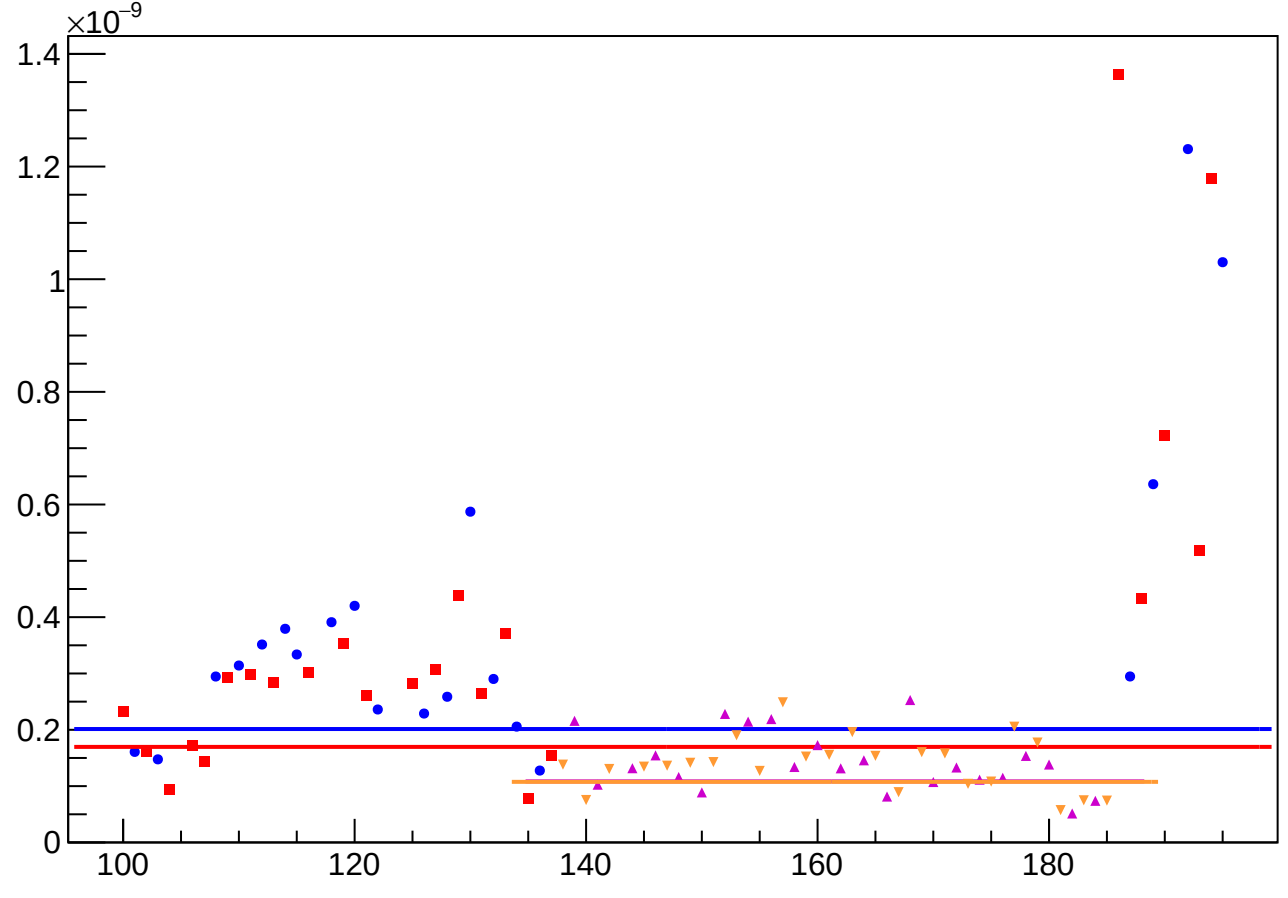
In: 477.697+/-0.070 χ^2/NDF:7169931.7/42

Out: 405.124+/-0.062 χ^2/NDF:12307181.8/46

All: 436.912+/-0.046 χ^2/NDF: 20085580.7/89


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 12.7/19
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/22
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 31.0/46
Right: 0.000+/-0.000 χ²/NDF: 32.0/42
In: -0.000+/-0.000 χ²/NDF:31.5/42
Out: -0.000+/-0.000 χ²/NDF:33.2/46
All: -0.000+/-0.000 χ²/NDF: 64.8/89

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: 3535056.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4323966.4/22

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

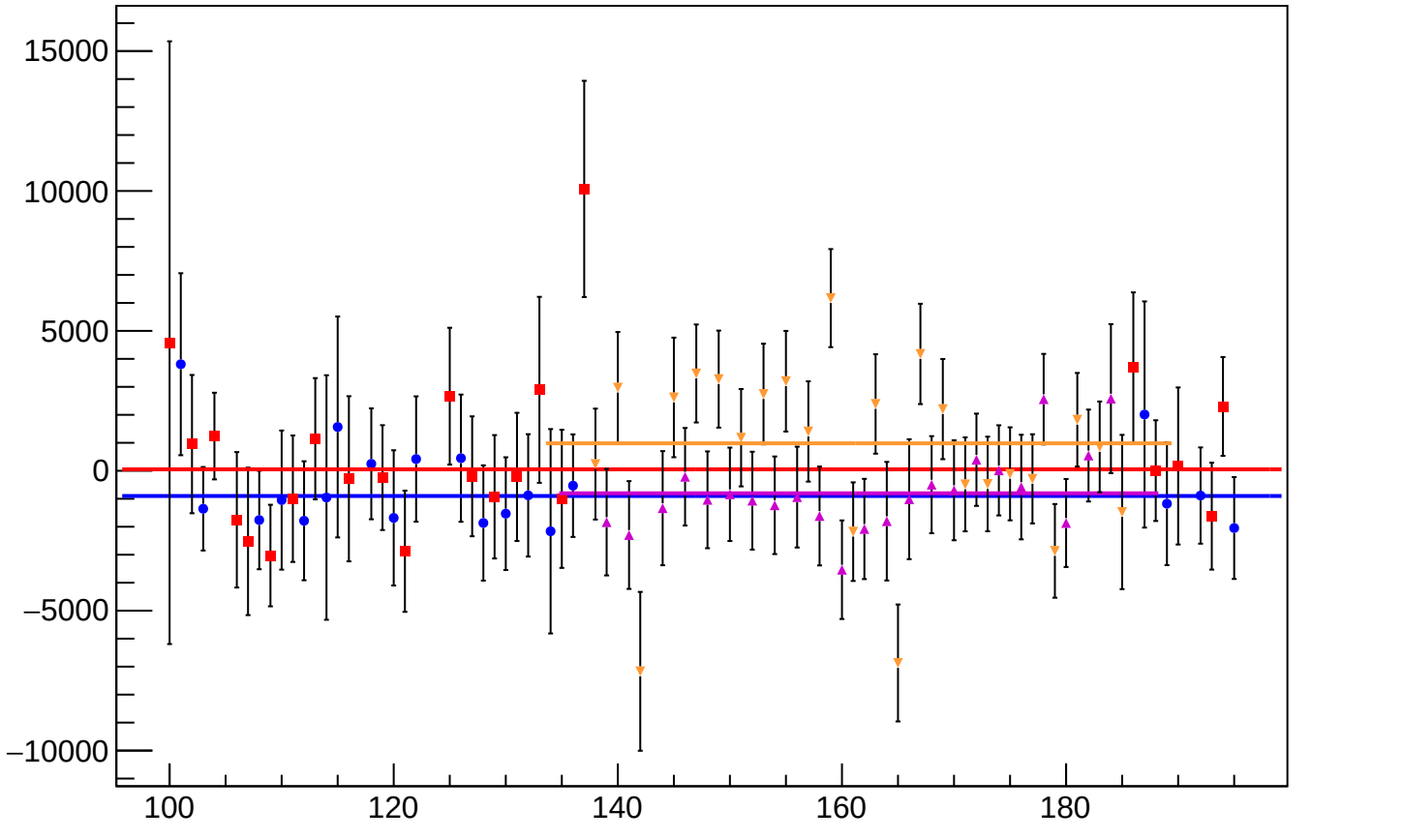
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

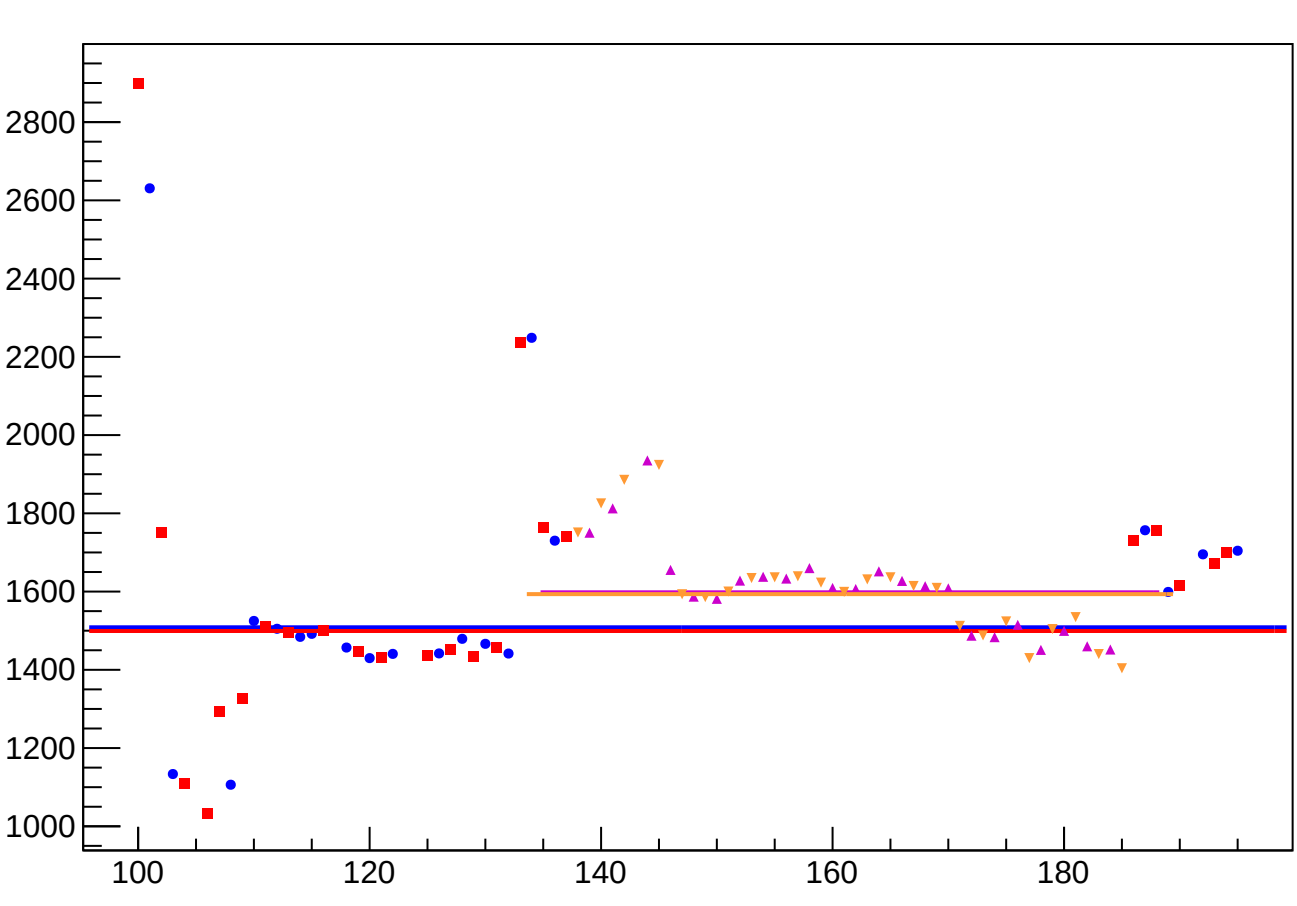
Right: 0.000+/-0.000 χ^2/NDF: 7984251.7/42

In: 0.000+/-0.000 χ^2/NDF:9107822.1/42

Out: 0.000+/-0.000 χ^2/NDF:8722549.2/46

All: 0.000+/-0.000 χ^2/NDF: 17837256.5/89


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -900.942+/-490.482 χ²/NDF: 5.5/19
Left Out: 981.627+/-370.843 χ²/NDF:55.5/23
Right Out: 51.693+/-471.373 χ²/NDF: 20.8/22
Left In: -803.908+/-374.066 χ²/NDF:12.4/22
Left: 96.584+/-263.358 χ²/NDF: 79.5/46
Right: -405.705+/-339.866 χ²/NDF: 28.4/42
In: -839.591+/-297.437 χ²/NDF:18.0/42
Out: 626.101+/-291.457 χ²/NDF:78.8/46
All: -91.863+/-208.173 χ²/NDF: 109.2/89



Right In: 1508.689+/-0.347 χ^2/NDF: 648290.8/19

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1499.253+/-0.331 χ^2/NDF: 545933.0/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

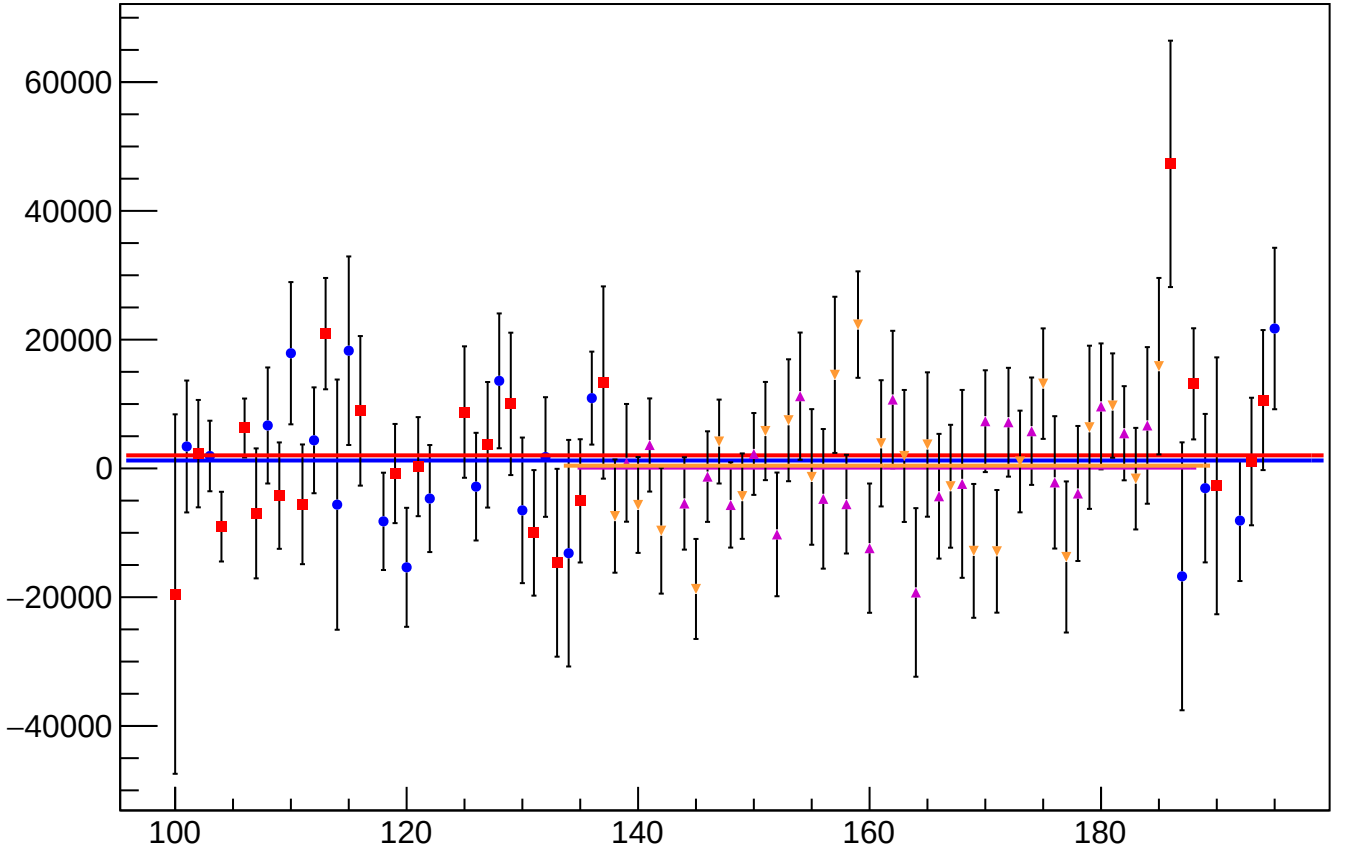
Right: 1503.758+/-0.240 χ^2/NDF: 1194610.6/42

In: 1565.232+/-0.210 χ^2/NDF:859486.2/42

Out: 1557.212+/-0.206 χ^2/NDF:783249.1/46

All: 1561.132+/-0.147 χ^2/NDF: 1643478.6/89

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1232.736+/-2122.621 χ^2/NDF: 18.7/19

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2029.951+/-1874.982 χ^2/NDF: 25.9/22

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

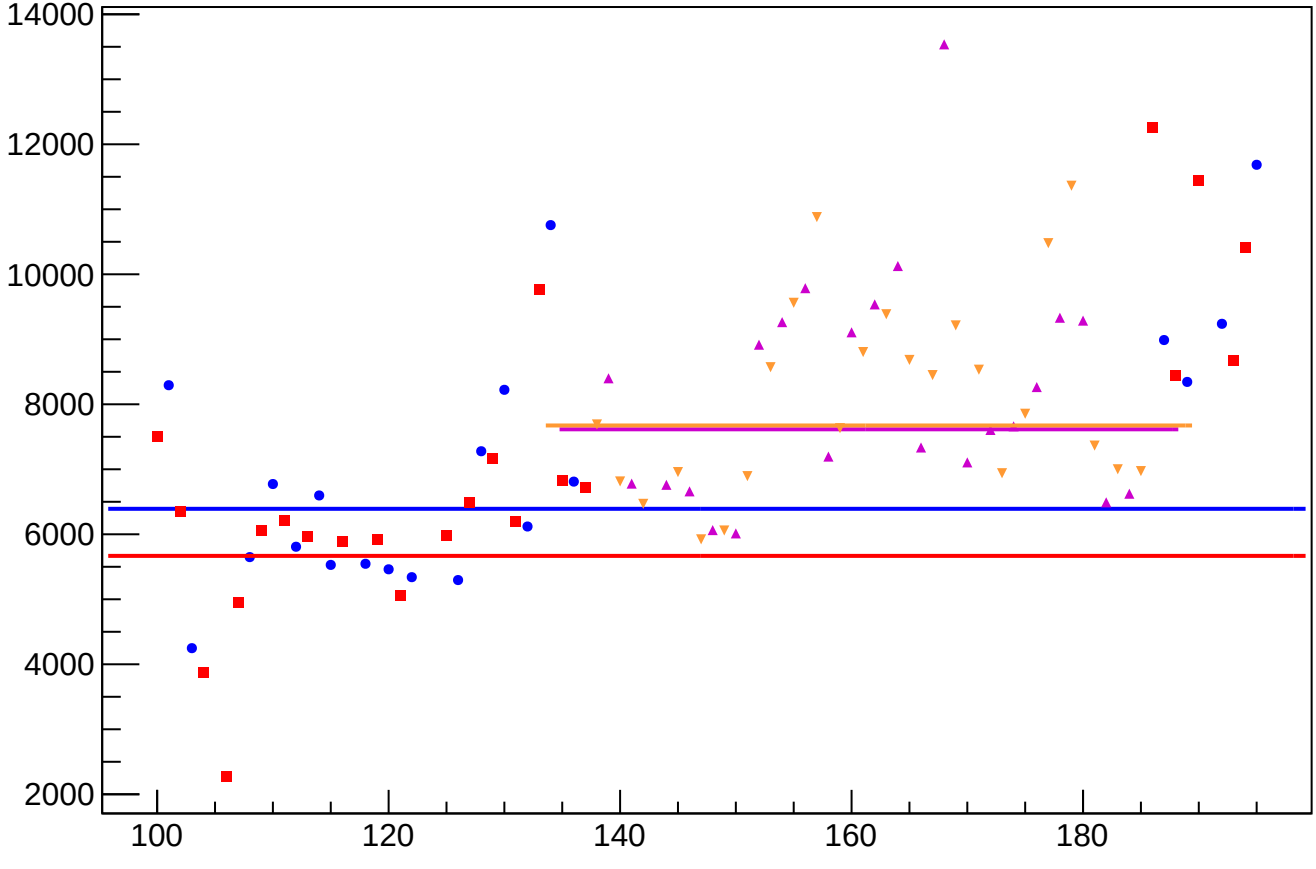
Right: 1680.540+/-1405.249 χ^2/NDF: 44.7/42

In: 593.593+/-1379.385 χ^2/NDF:32.8/42

Out: 1204.421+/-1305.895 χ^2/NDF:55.6/46

All: 915.712+/-948.323 χ^2/NDF: 88.5/89

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6391.904+/-1.501 χ^2/NDF: 1347286.9/19

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5667.740+/-1.326 χ^2/NDF: 2815349.9/22

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

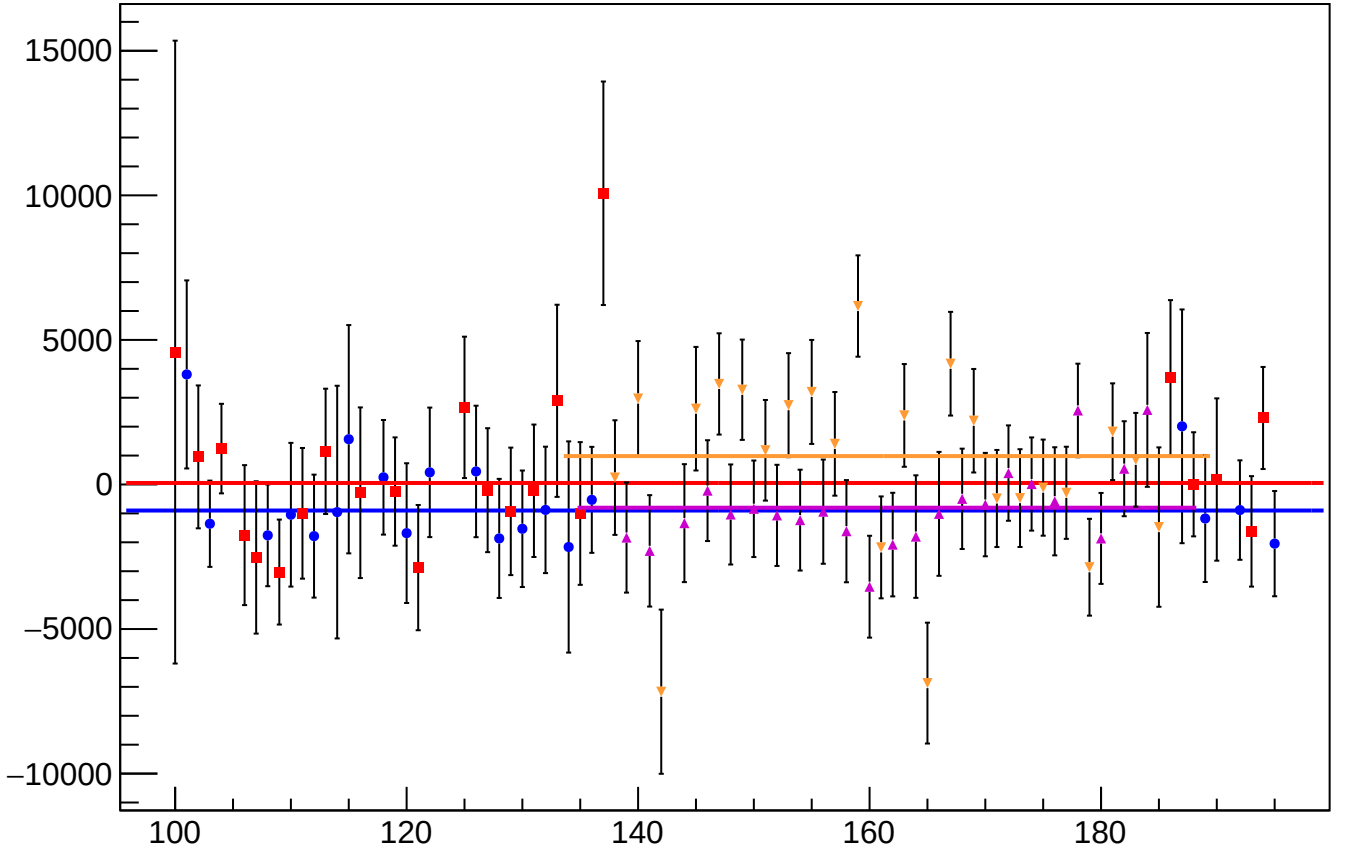
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 5985.134+/-0.994 χ^2/NDF: 4293395.9/42

In: 7098.466+/-0.975 χ^2/NDF:2955414.0/42

Out: 6700.815+/-0.923 χ^2/NDF:5071210.6/46

All: 6888.765+/-0.671 χ^2/NDF: 8114276.2/89



Right In: -901.015+/-490.482 χ^2/NDF: 5.5/19

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 51.802+/-471.373 χ^2/NDF: 20.8/22

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

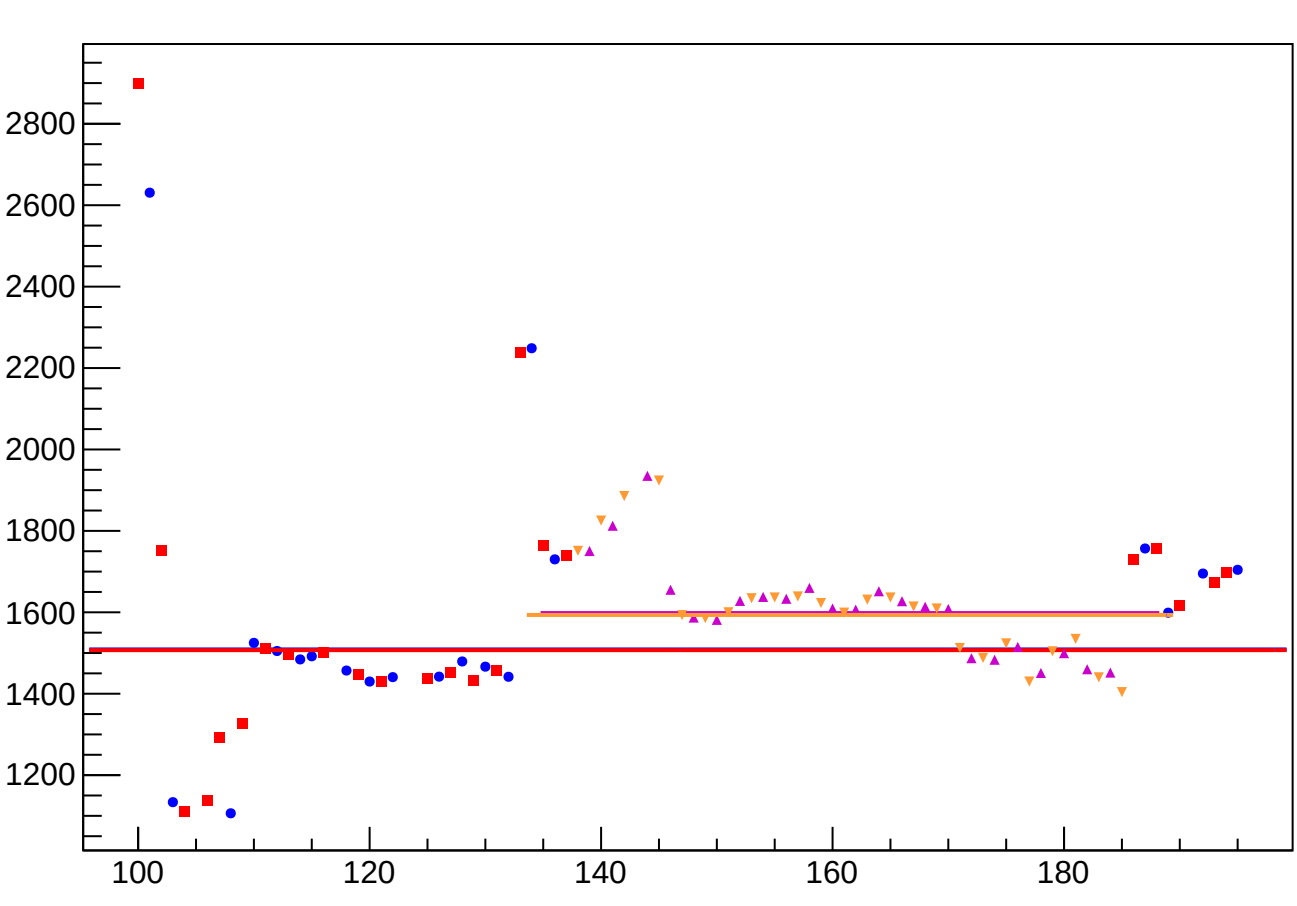
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -405.684+/-339.866 χ^2/NDF: 28.4/42

In: -839.540+/-297.437 χ^2/NDF:18.0/42

Out: 626.195+/-291.457 χ^2/NDF:78.8/46

All: -91.790+/-208.173 χ^2/NDF: 109.2/89



Right In: 1508.689+/-0.347 χ^2/NDF: 648291.1/19

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1507.071+/-0.333 χ^2/NDF: 498537.5/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

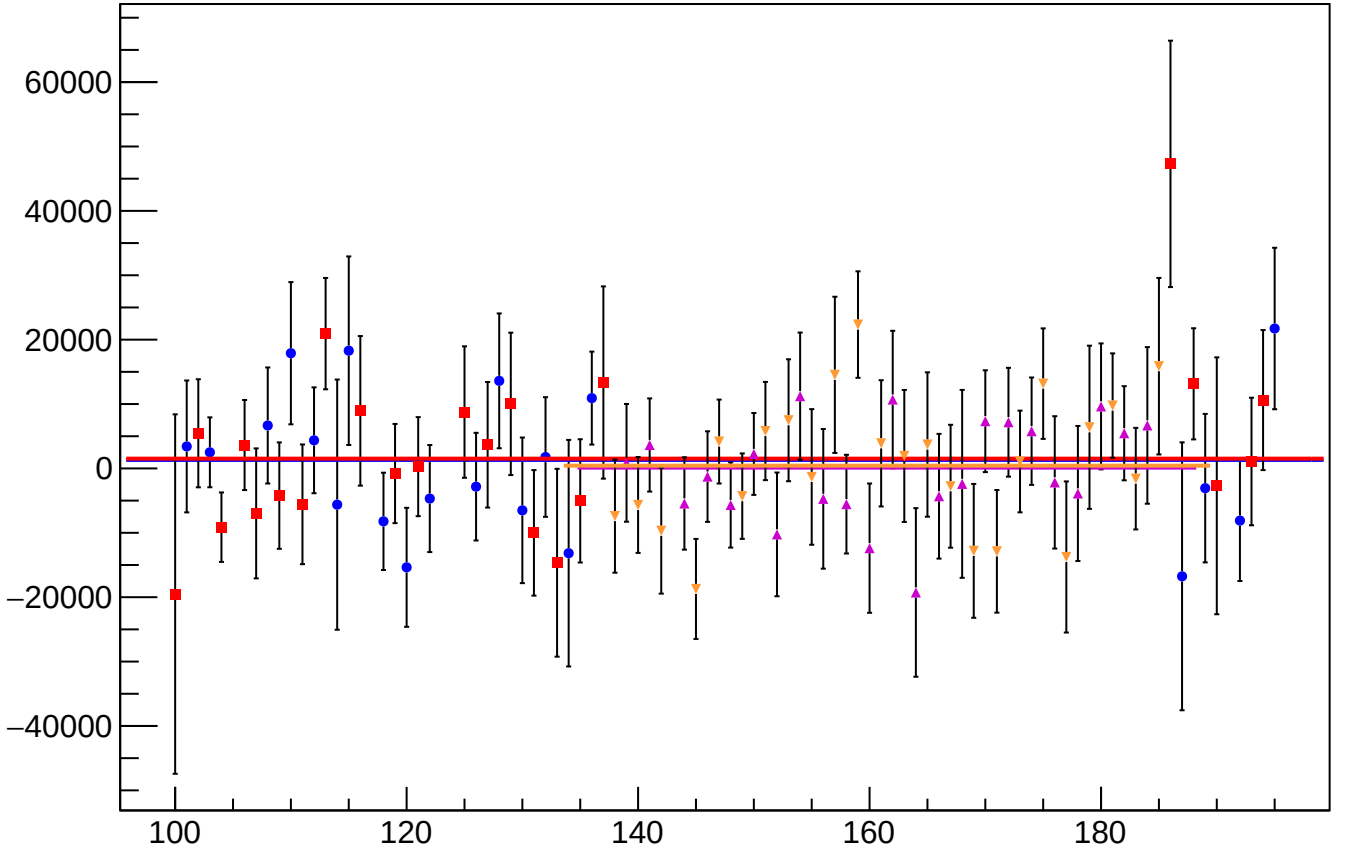
Right: 1507.847+/-0.240 χ^2/NDF: 1146840.0/42

In: 1565.232+/-0.210 χ^2/NDF:859486.6/42

Out: 1560.377+/-0.206 χ^2/NDF:727752.9/46

All: 1562.753+/-0.147 χ^2/NDF: 1587511.5/89

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1322.165+/-2119.531 χ^2/NDF: 18.8/19

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1518.888+/-1972.183 χ^2/NDF: 25.3/22

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

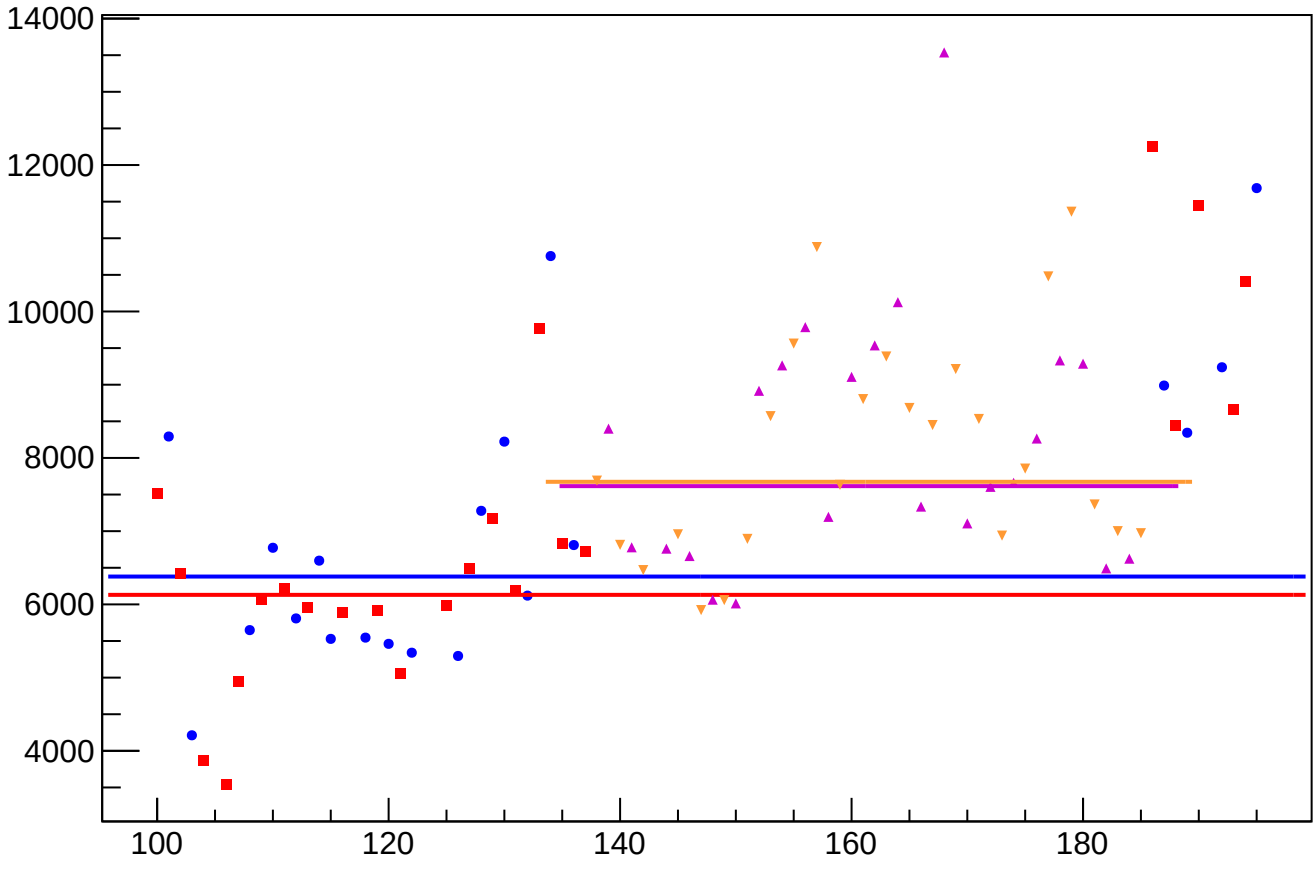
Right: 1427.601+/-1443.827 χ^2/NDF: 44.1/42

In: 632.212+/-1378.535 χ^2/NDF:32.8/42

Out: 928.999+/-1337.455 χ^2/NDF:54.8/46

All: 785.094+/-959.918 χ^2/NDF: 87.7/89

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 6380.205+/-1.499 χ^2/NDF: 1363617.2/19

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6130.180+/-1.395 χ^2/NDF: 1793631.6/22

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

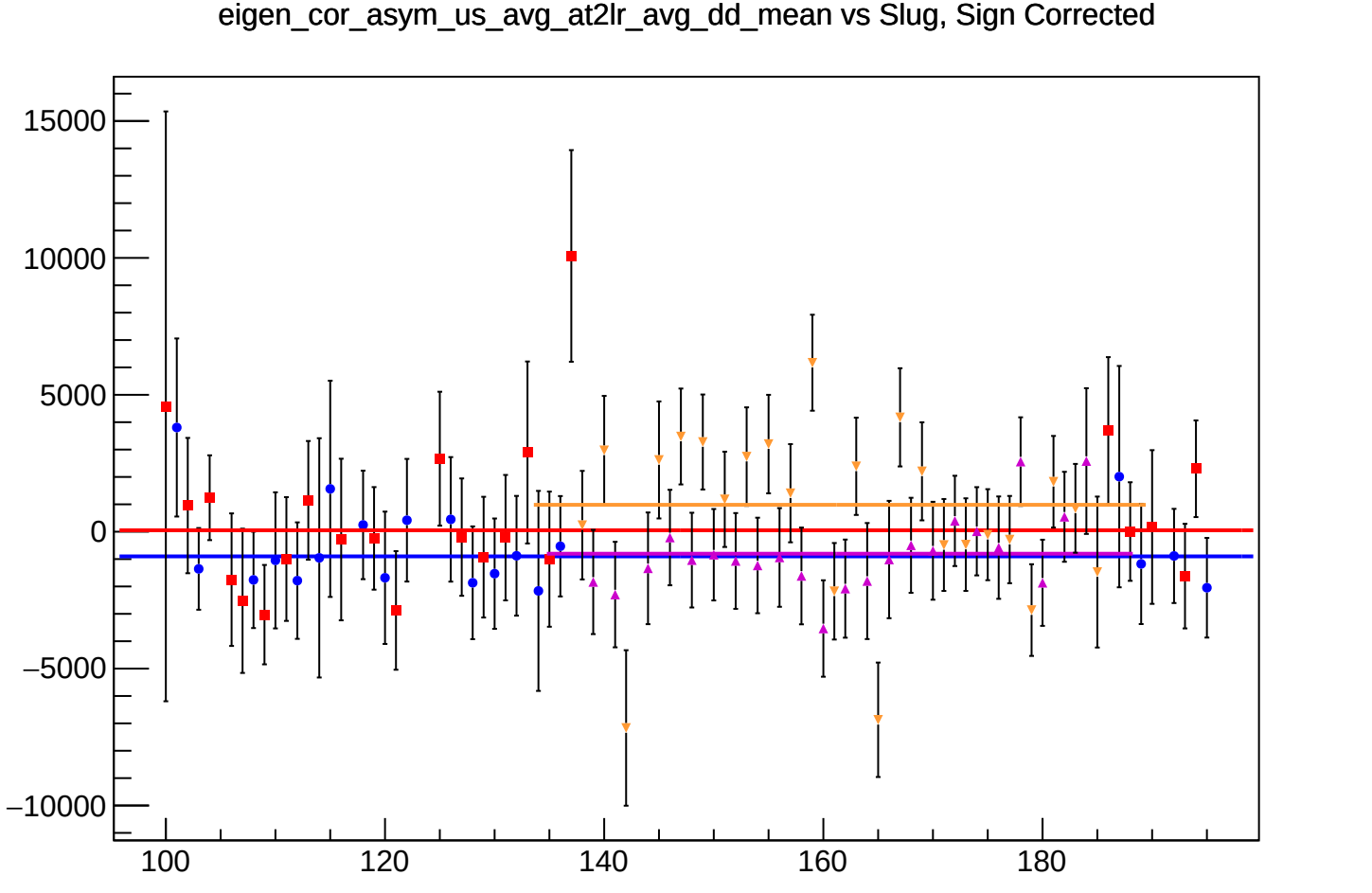
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

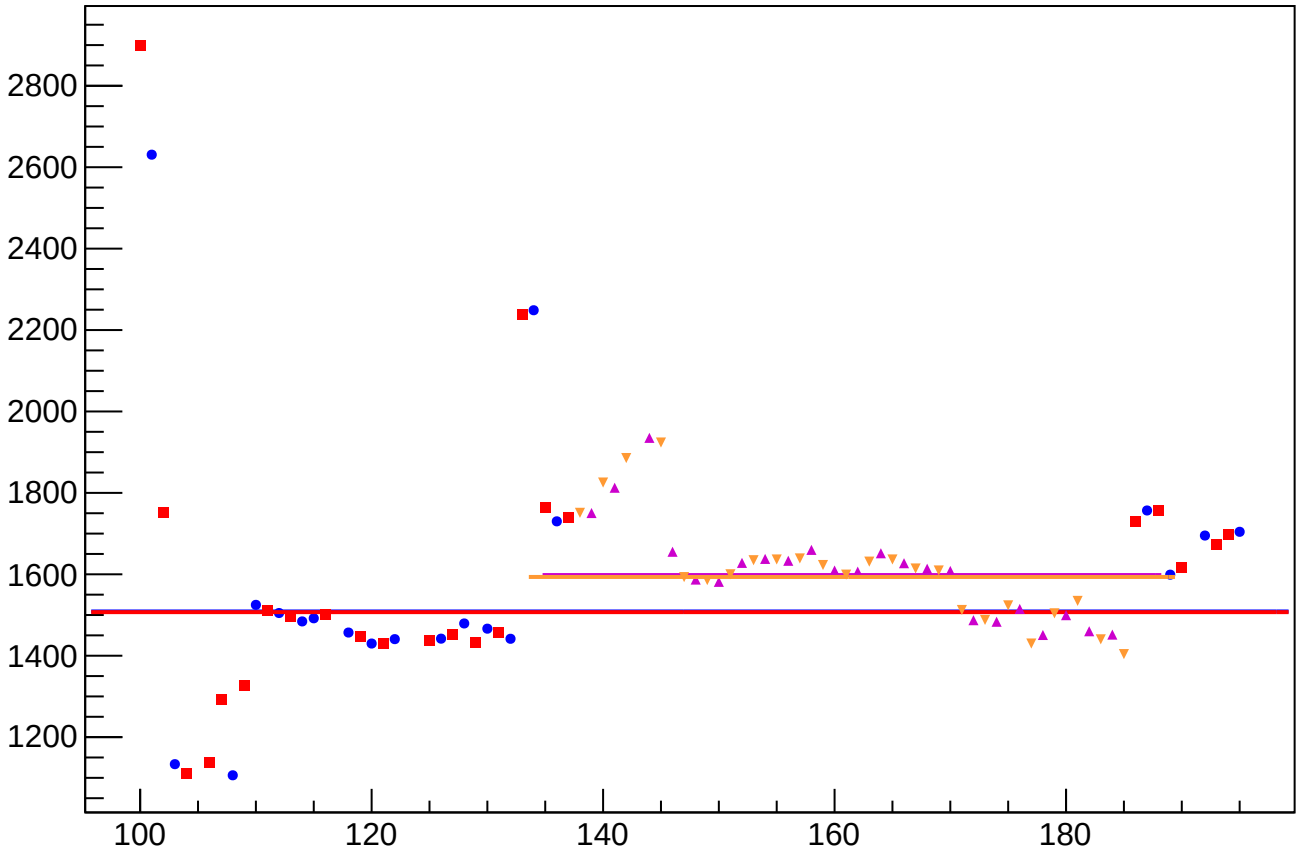
Right: 6246.201+/-1.021 χ^2/NDF: 3172164.8/42

In: 7092.642+/-0.975 χ^2/NDF:2979775.9/42

Out: 6964.030+/-0.946 χ^2/NDF:3532312.8/46

All: 7026.391+/-0.679 χ^2/NDF: 6521056.2/89


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -901.015+/-490.482 χ²/NDF: 5.5/19
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 51.802+/-471.373 χ²/NDF: 20.8/22
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -405.684+/-339.866 χ²/NDF: 28.4/42
In: -839.540+/-297.437 χ²/NDF:18.0/42
Out: 626.195+/-291.457 χ²/NDF:78.8/46
All: -91.790+/-208.173 χ²/NDF: 109.2/89



Right In: 1508.689+/-0.347 χ^2/NDF: 648291.1/19

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1507.071+/-0.333 χ^2/NDF: 498537.5/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

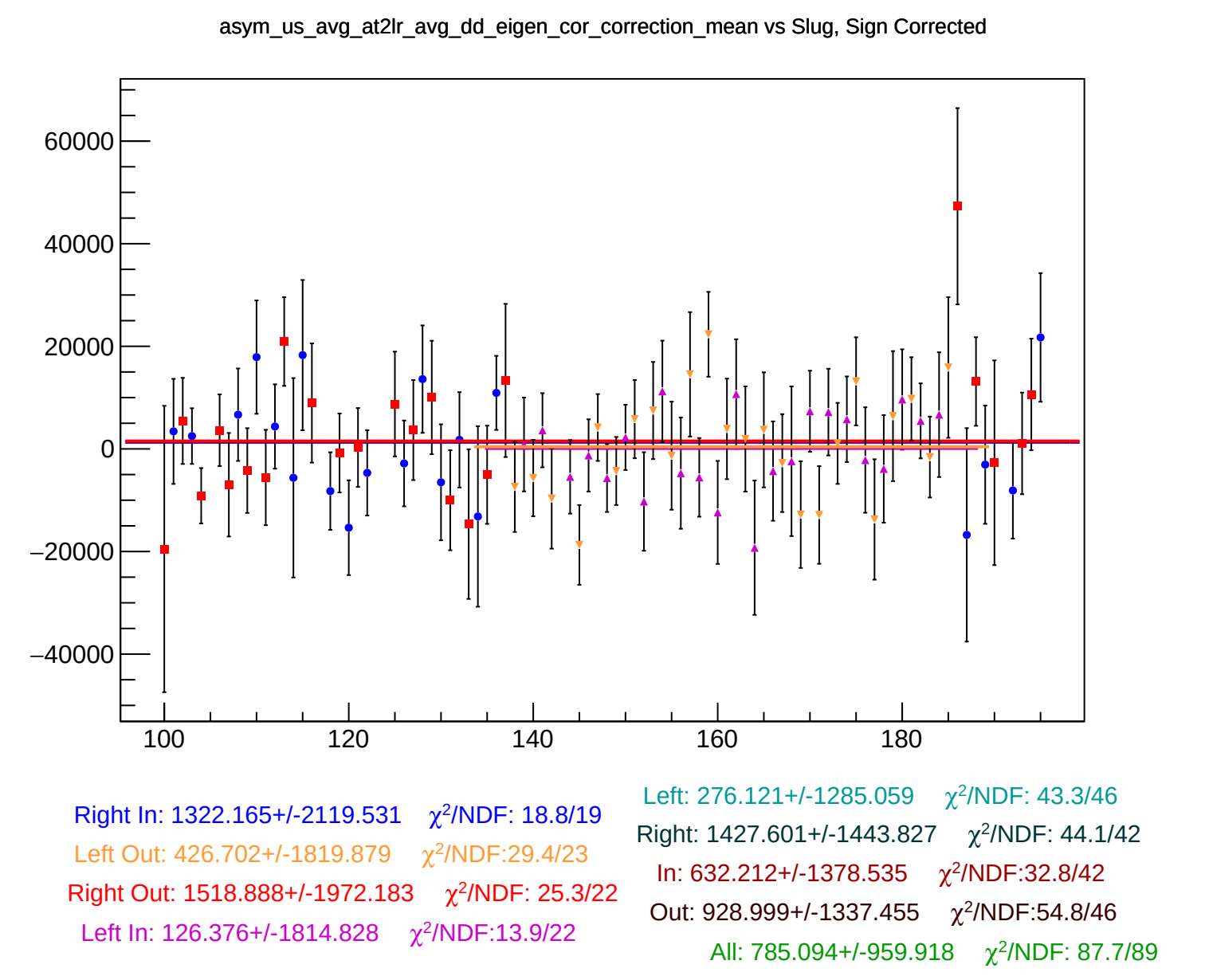
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1507.847+/-0.240 χ^2/NDF: 1146840.0/42

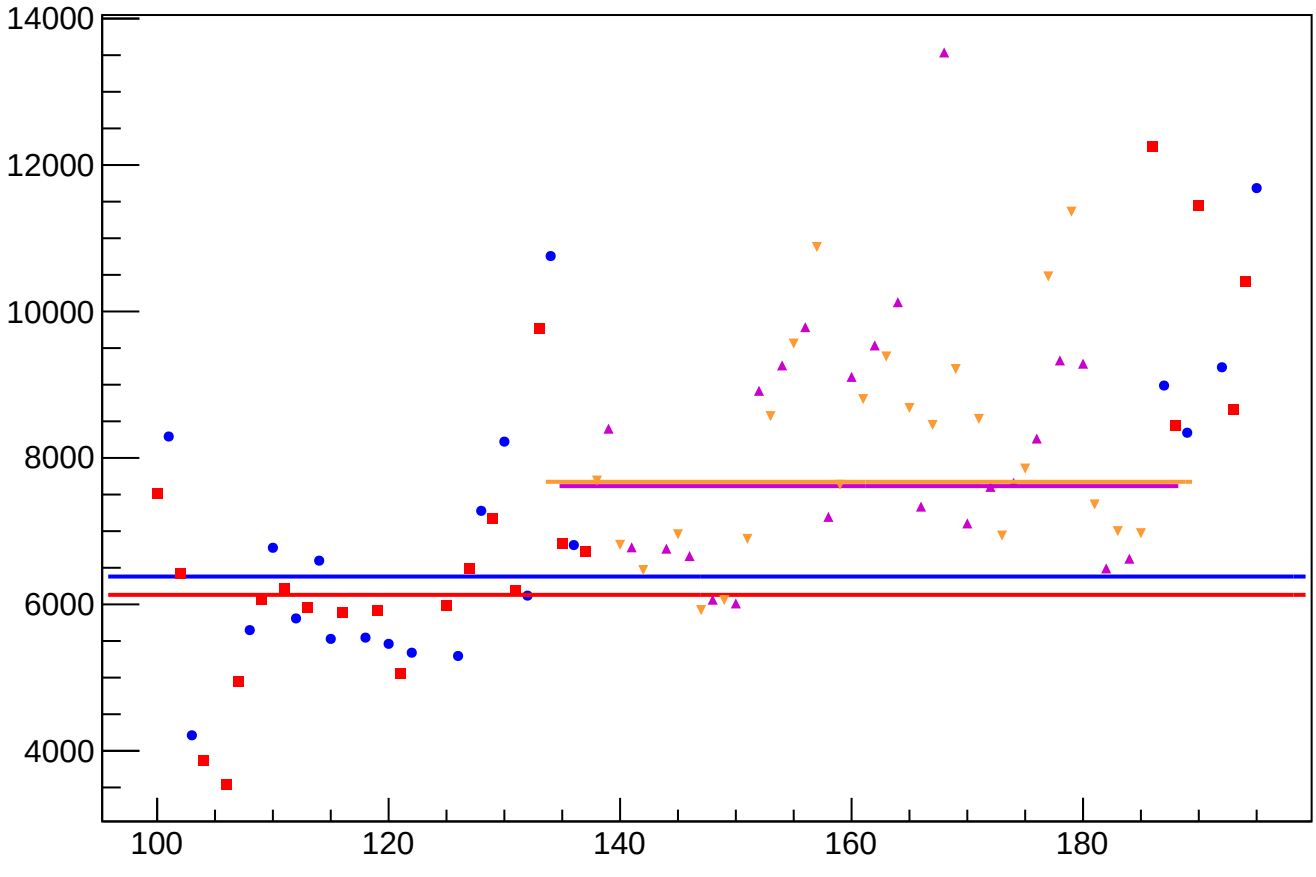
In: 1565.232+/-0.210 χ^2/NDF:859486.6/42

Out: 1560.377+/-0.206 χ^2/NDF:727752.9/46

All: 1562.753+/-0.147 χ^2/NDF: 1587511.5/89


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
Right In: 1322.165+/-2119.531 χ²/NDF: 18.8/19
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: 1518.888+/-1972.183 χ²/NDF: 25.3/22
Left In: 126.376+/-1814.828 χ²/NDF:13.9/22
Left: 276.121+/-1285.059 χ²/NDF: 43.3/46
Right: 1427.601+/-1443.827 χ²/NDF: 44.1/42
In: 632.212+/-1378.535 χ²/NDF:32.8/42
Out: 928.999+/-1337.455 χ²/NDF:54.8/46
All: 785.094+/-959.918 χ²/NDF: 87.7/89

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 6380.205+/-1.499 χ^2/NDF: 1363617.2/19

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6130.180+/-1.395 χ^2/NDF: 1793631.6/22

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

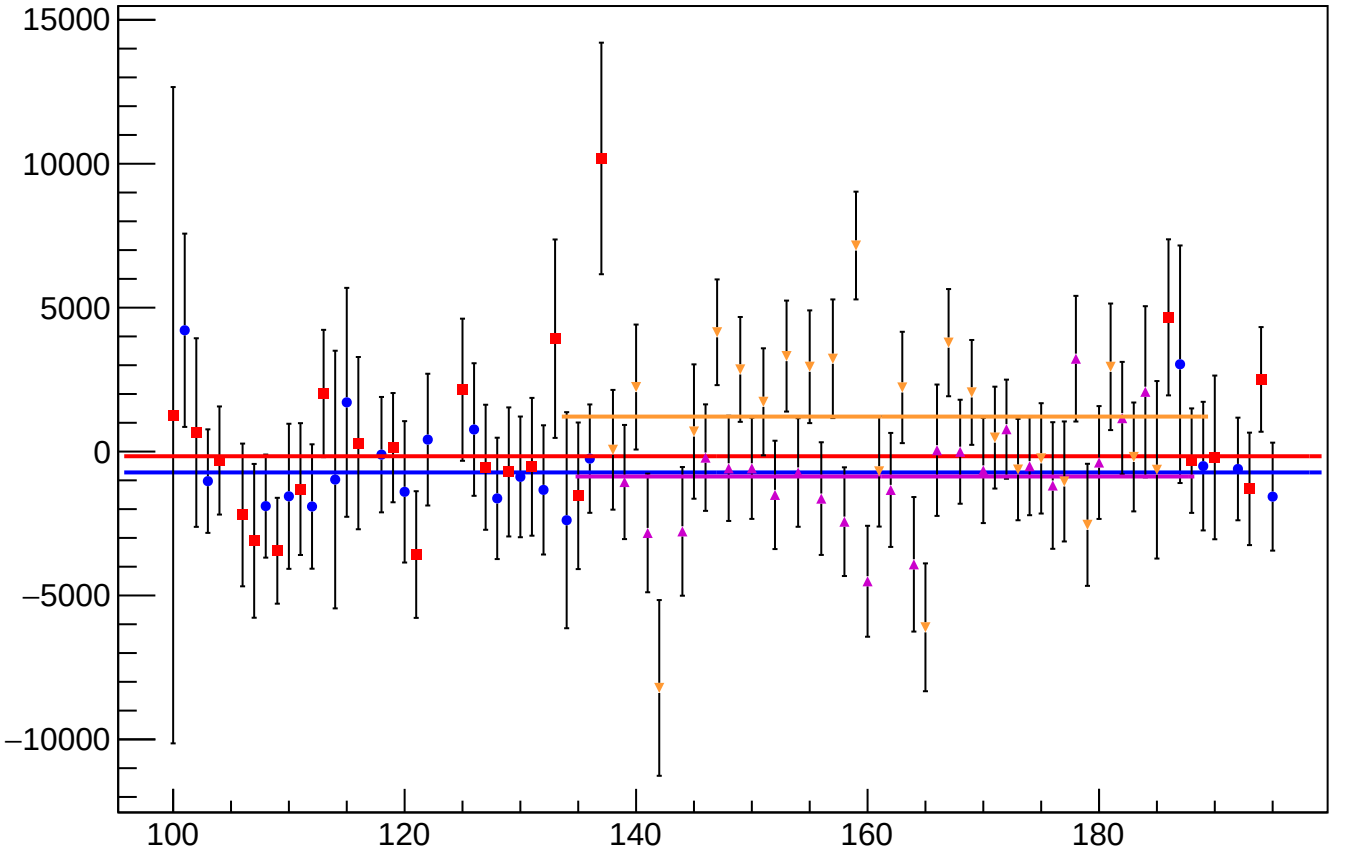
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6246.201+/-1.021 χ^2/NDF: 3172164.8/42

In: 7092.642+/-0.975 χ^2/NDF:2979775.9/42

Out: 6964.030+/-0.946 χ^2/NDF:3532312.8/46

All: 7026.391+/-0.679 χ^2/NDF: 6521056.2/89



Right In: -724.784+/-509.622 χ^2/NDF: 5.8/19

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -162.417+/-490.826 χ^2/NDF: 23.8/22

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

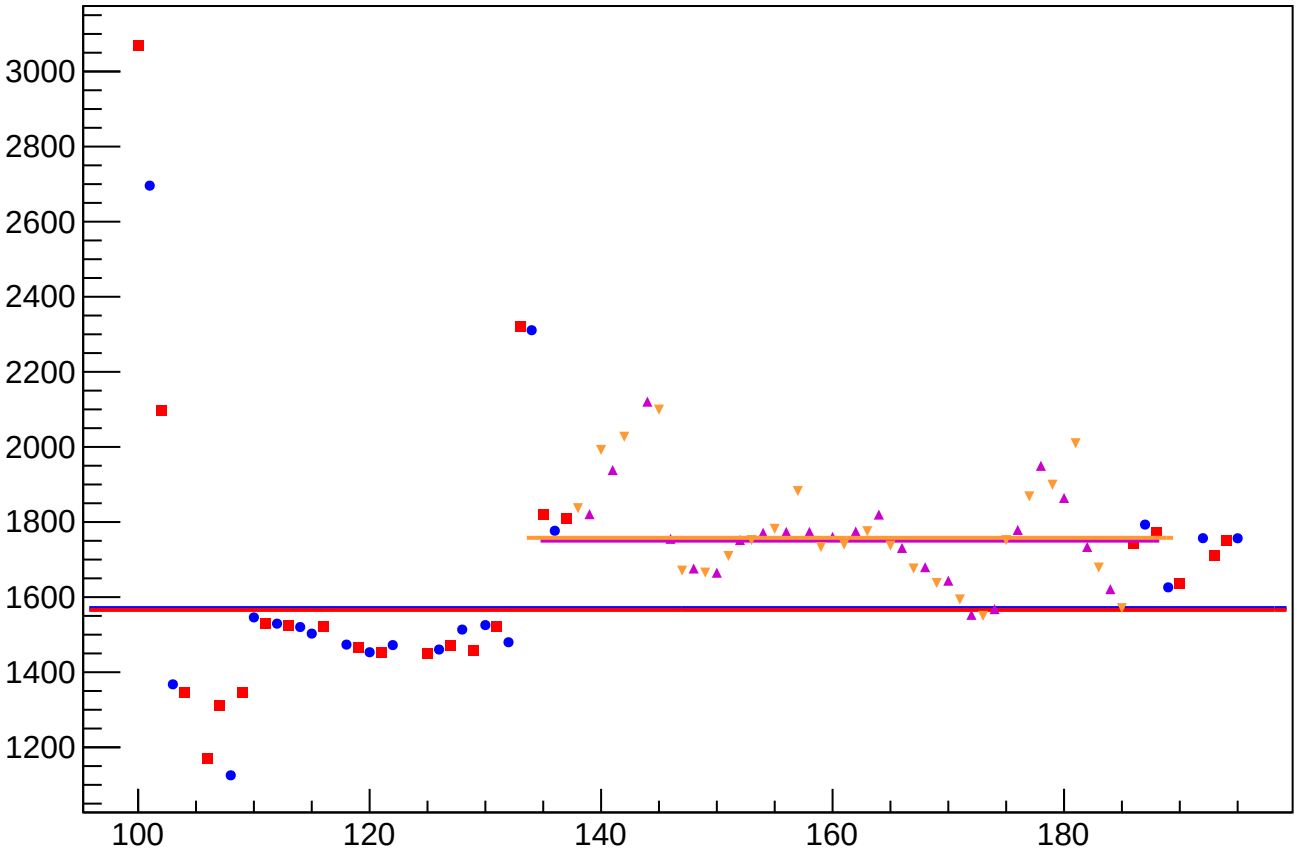
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -433.039+/-353.524 χ^2/NDF: 30.2/42

In: -810.519+/-319.469 χ^2/NDF:21.0/42

Out: 649.776+/-314.474 χ^2/NDF:76.9/46

All: -68.866+/-224.112 χ^2/NDF: 108.5/89



Right In: 1570.815+/-0.360 χ^2/NDF: 549068.9/19

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1565.962+/-0.347 χ^2/NDF: 429347.5/22

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

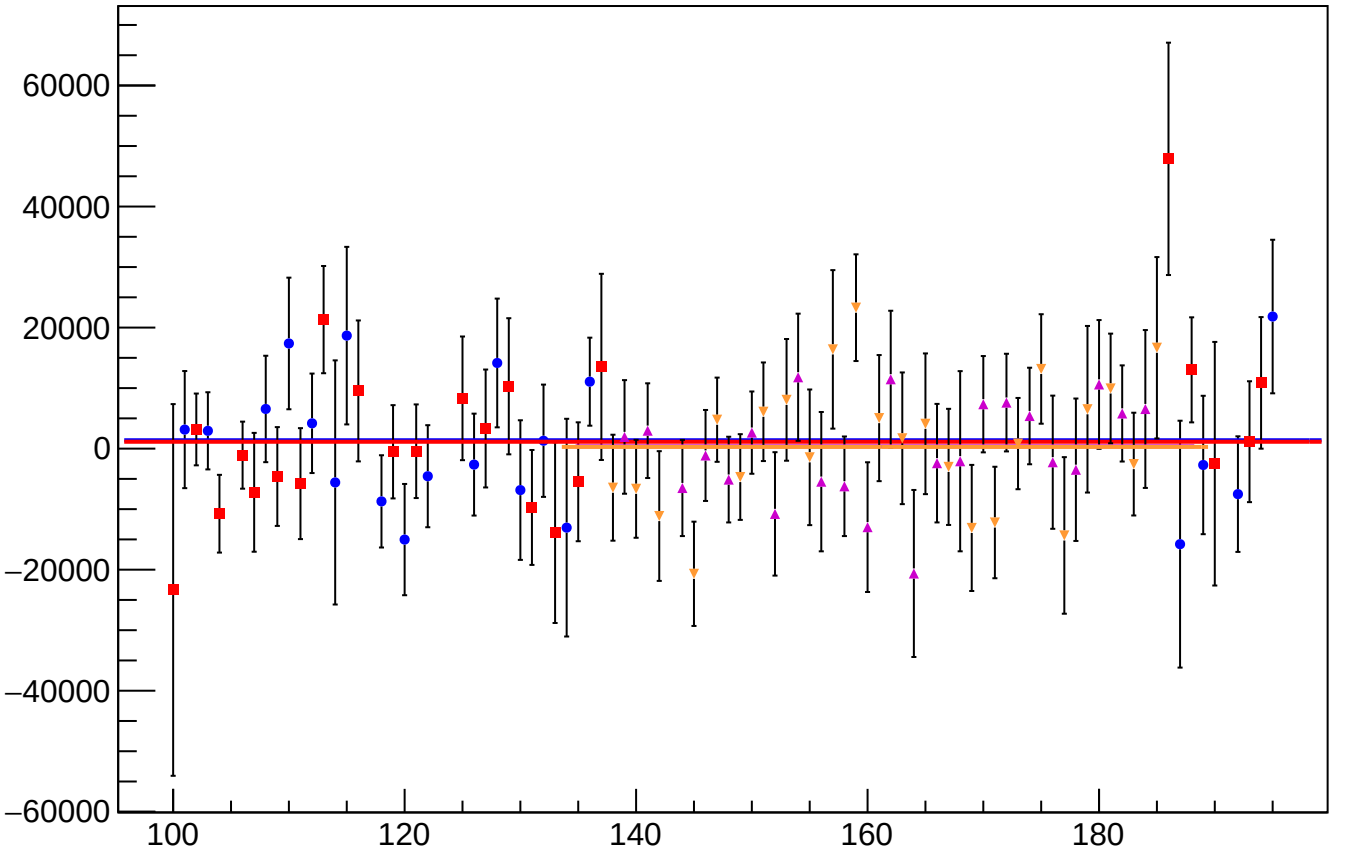
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1568.297+/-0.250 χ^2/NDF: 978510.5/42

In: 1679.875+/-0.226 χ^2/NDF:871847.0/42

Out: 1679.128+/-0.222 χ^2/NDF:823091.8/46

All: 1679.495+/-0.158 χ^2/NDF: 1694944.4/89



Right In: 1387.562+/-2166.668 χ^2/NDF: 18.6/19

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1134.858+/-1916.003 χ^2/NDF: 25.2/22

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

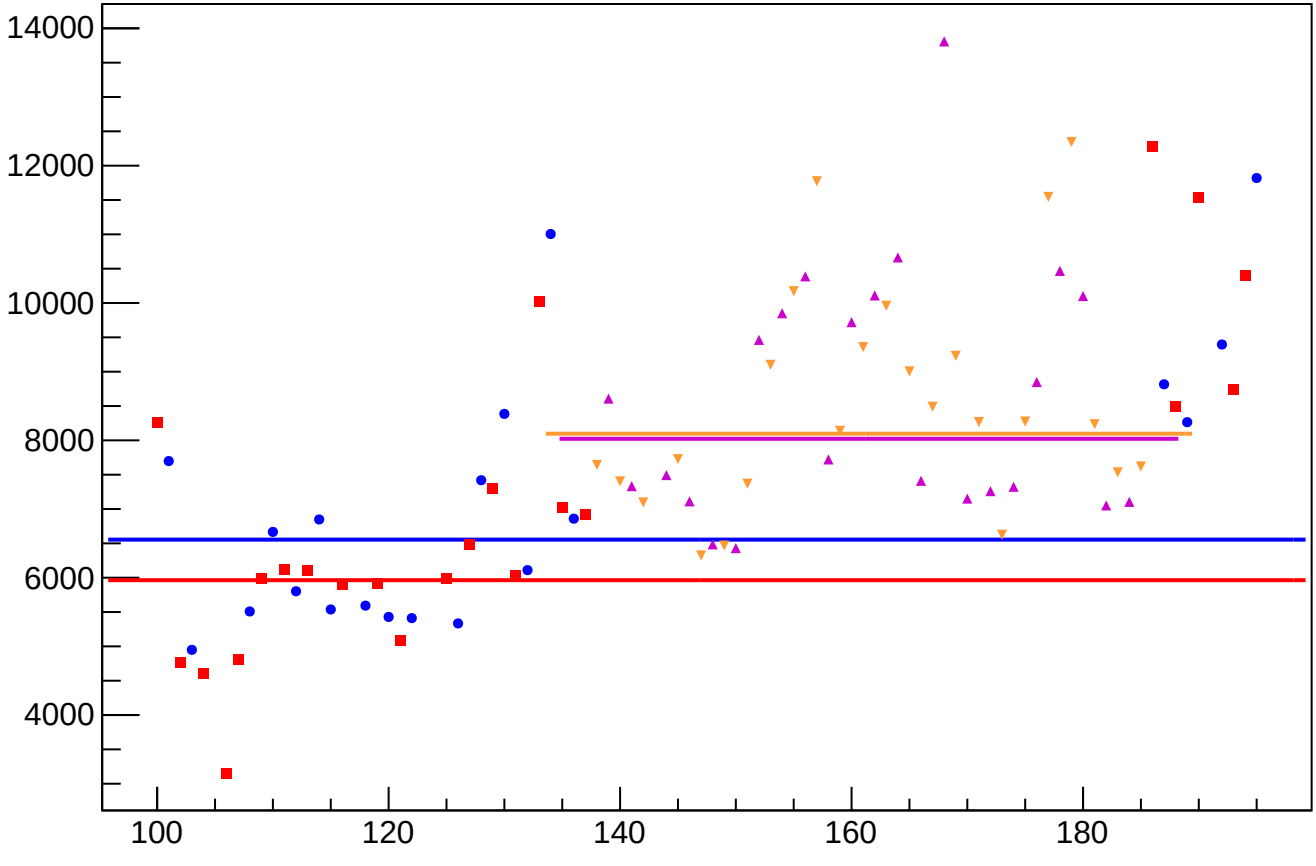
Right: 1245.753+/-1435.298 χ^2/NDF: 43.8/42

In: 822.709+/-1433.775 χ^2/NDF:32.3/42

Out: 710.807+/-1356.277 χ^2/NDF:53.9/46

All: 763.652+/-985.291 χ^2/NDF: 86.2/89

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6554.534+/-1.532 χ^2/NDF: 1135721.8/19

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 5963.795+/-1.355 χ^2/NDF: 1991887.1/22

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

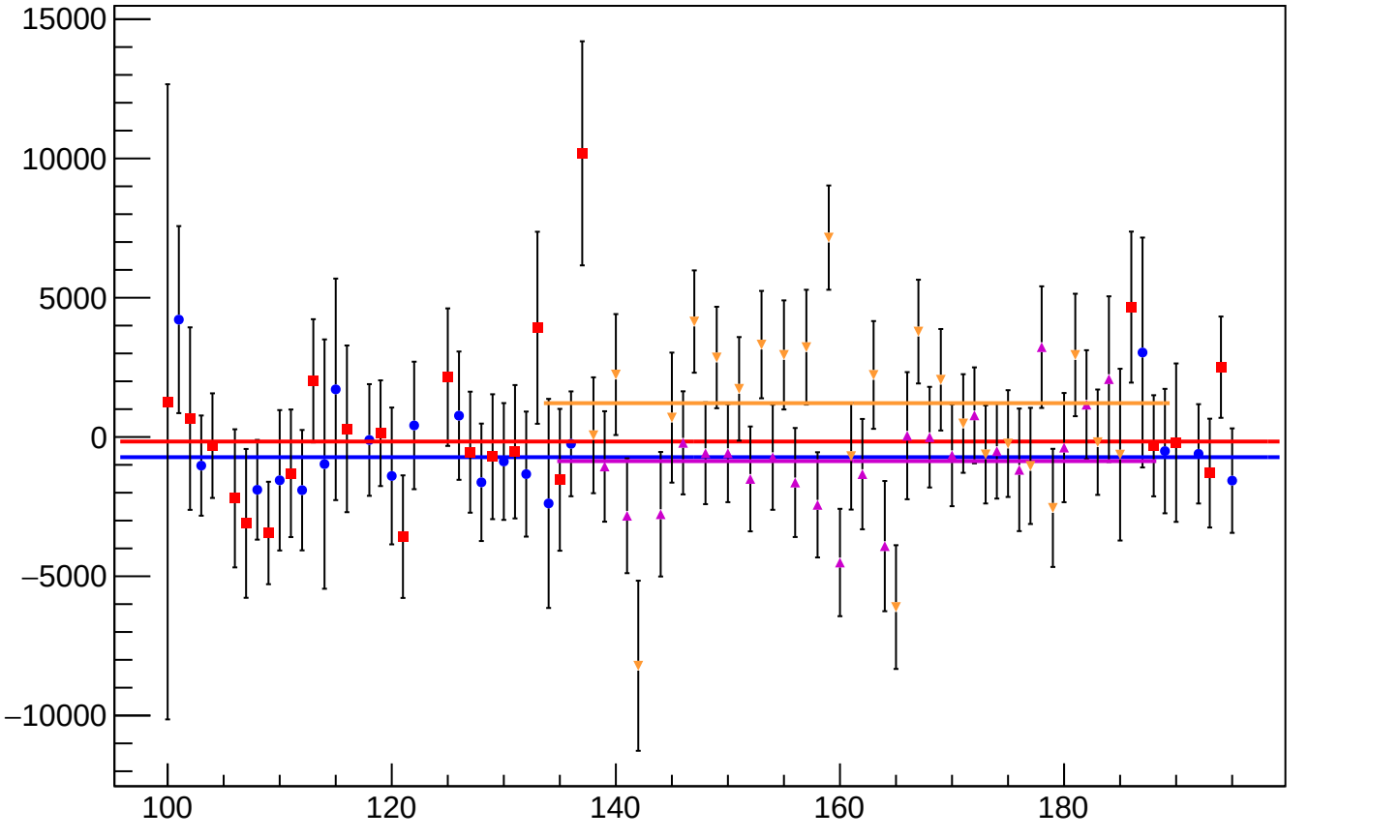
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6223.031+/-1.015 χ^2/NDF: 3211040.1/42

In: 7379.801+/-1.014 χ^2/NDF:2877476.5/42

Out: 7028.010+/-0.959 χ^2/NDF:4316375.8/46

All: 7194.142+/-0.697 χ^2/NDF: 7257395.3/89



Right In: -724.785+/-509.622 χ^2/NDF: 5.8/19

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -162.424+/-490.826 χ^2/NDF: 23.8/22

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

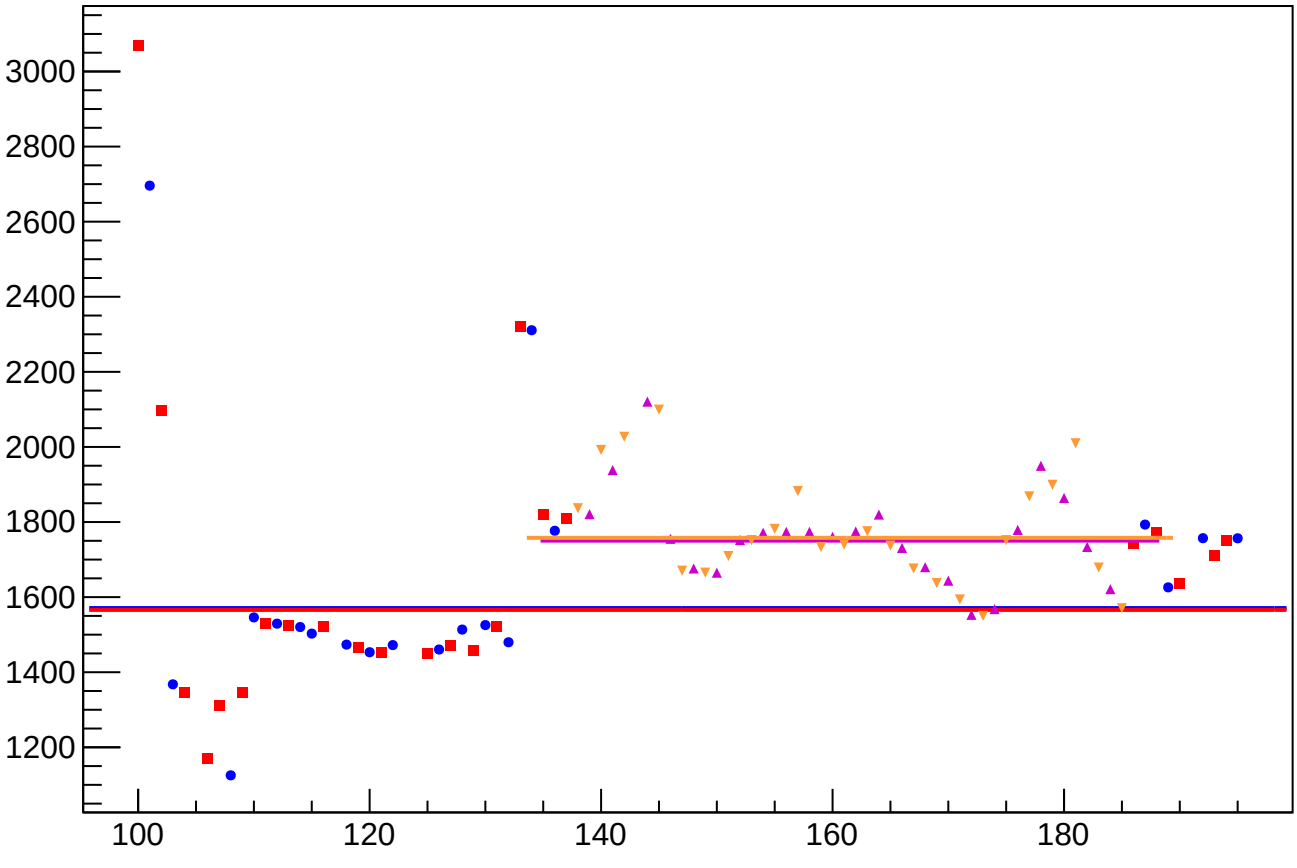
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -433.043+/-353.524 χ^2/NDF: 30.2/42

In: -810.519+/-319.469 χ^2/NDF:21.0/42

Out: 649.777+/-314.474 χ^2/NDF:76.9/46

All: -68.866+/-224.112 χ^2/NDF: 108.5/89



Right In: 1570.815+/-0.360 χ^2/NDF: 549068.2/19

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1565.962+/-0.347 χ^2/NDF: 429347.6/22

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

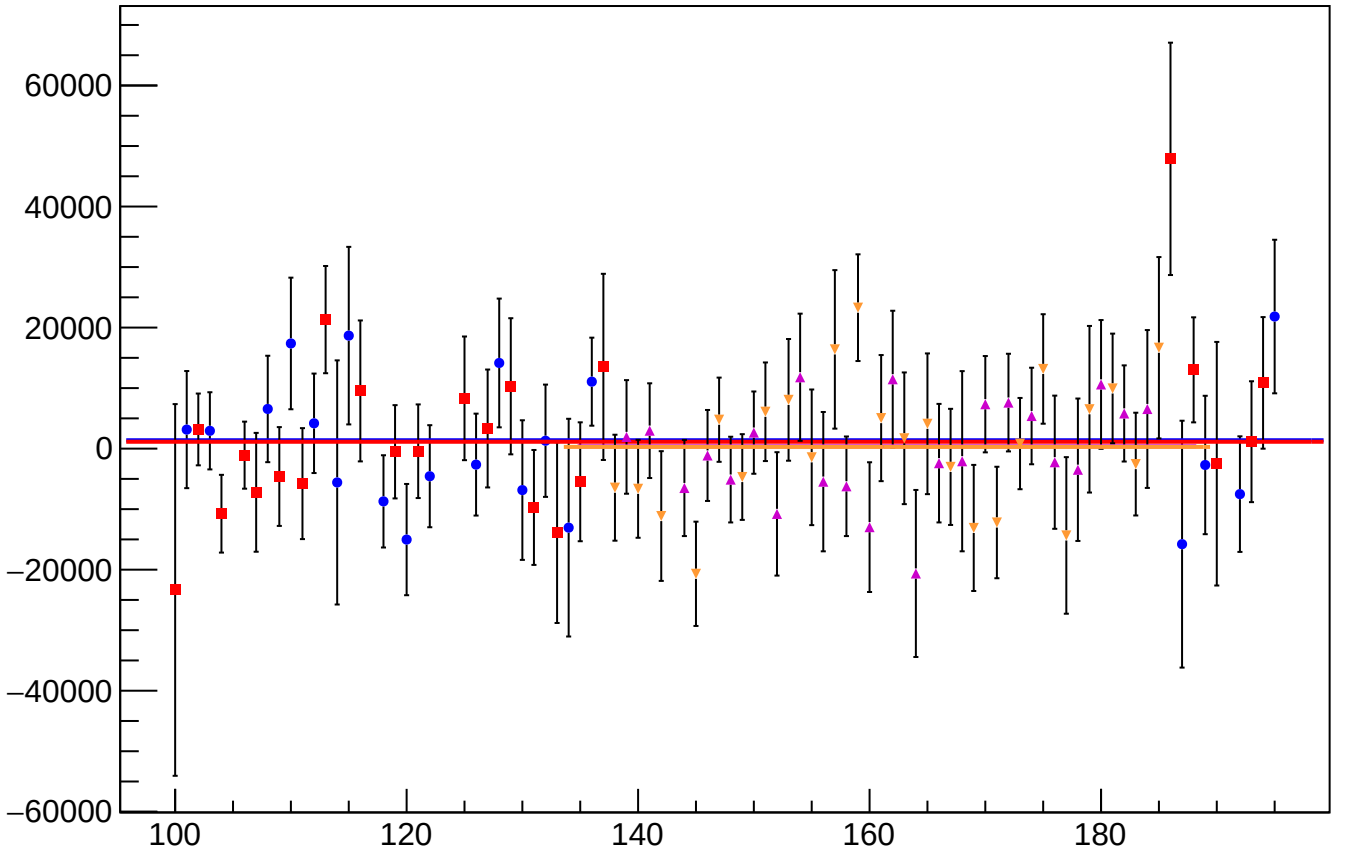
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1568.297+/-0.250 χ^2/NDF: 978509.9/42

In: 1679.876+/-0.226 χ^2/NDF:871859.2/42

Out: 1679.129+/-0.222 χ^2/NDF:823104.9/46

All: 1679.497+/-0.158 χ^2/NDF: 1694969.7/89



Right In: 1387.544+/-2166.665 χ^2/NDF: 18.6/19

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1134.847+/-1916.000 χ^2/NDF: 25.2/22

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

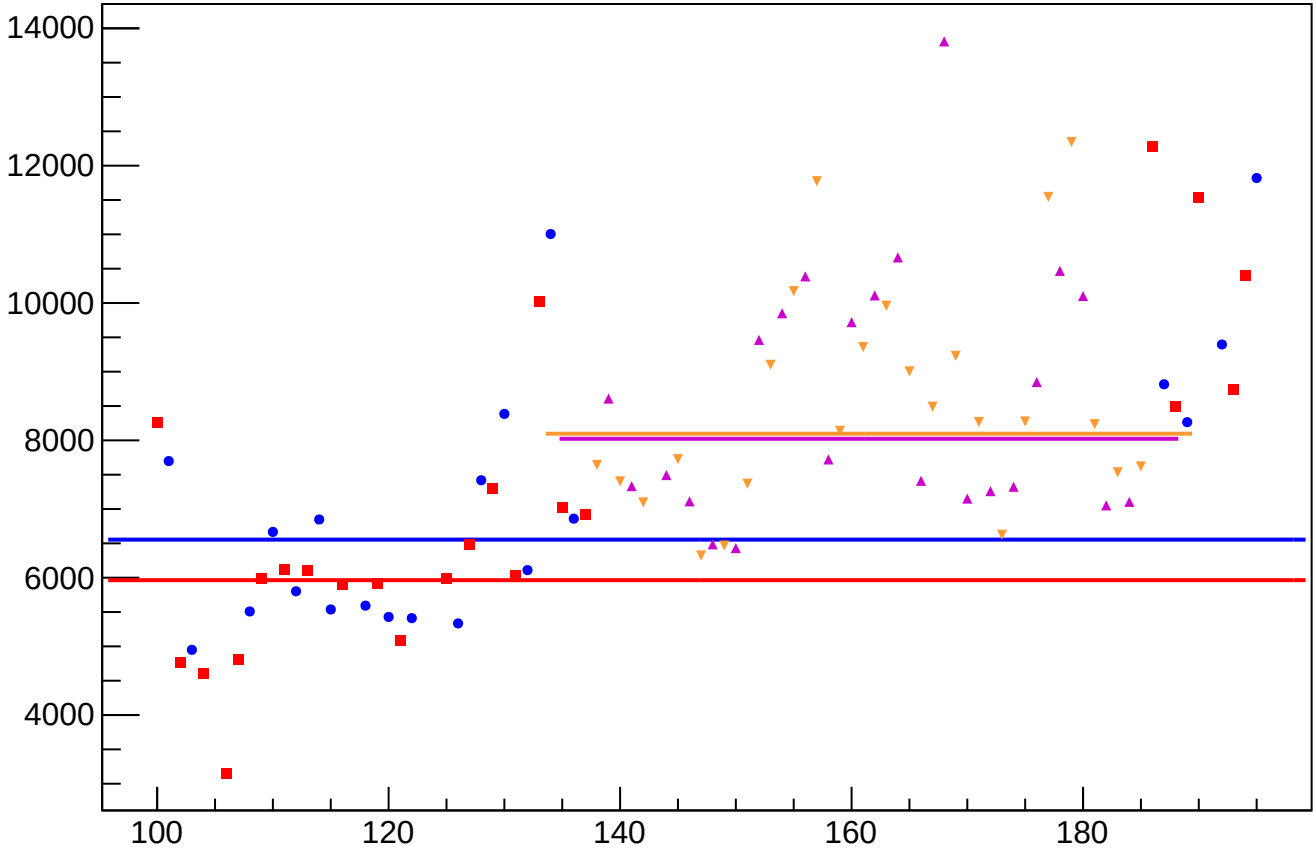
Right: 1245.739+/-1435.296 χ^2/NDF: 43.8/42

In: 822.705+/-1433.776 χ^2/NDF:32.3/42

Out: 710.803+/-1356.277 χ^2/NDF:53.9/46

All: 763.648+/-985.291 χ^2/NDF: 86.2/89

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6554.521+/-1.532 χ^2/NDF: 1135733.6/19

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5963.784+/-1.355 χ^2/NDF: 1991896.4/22

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

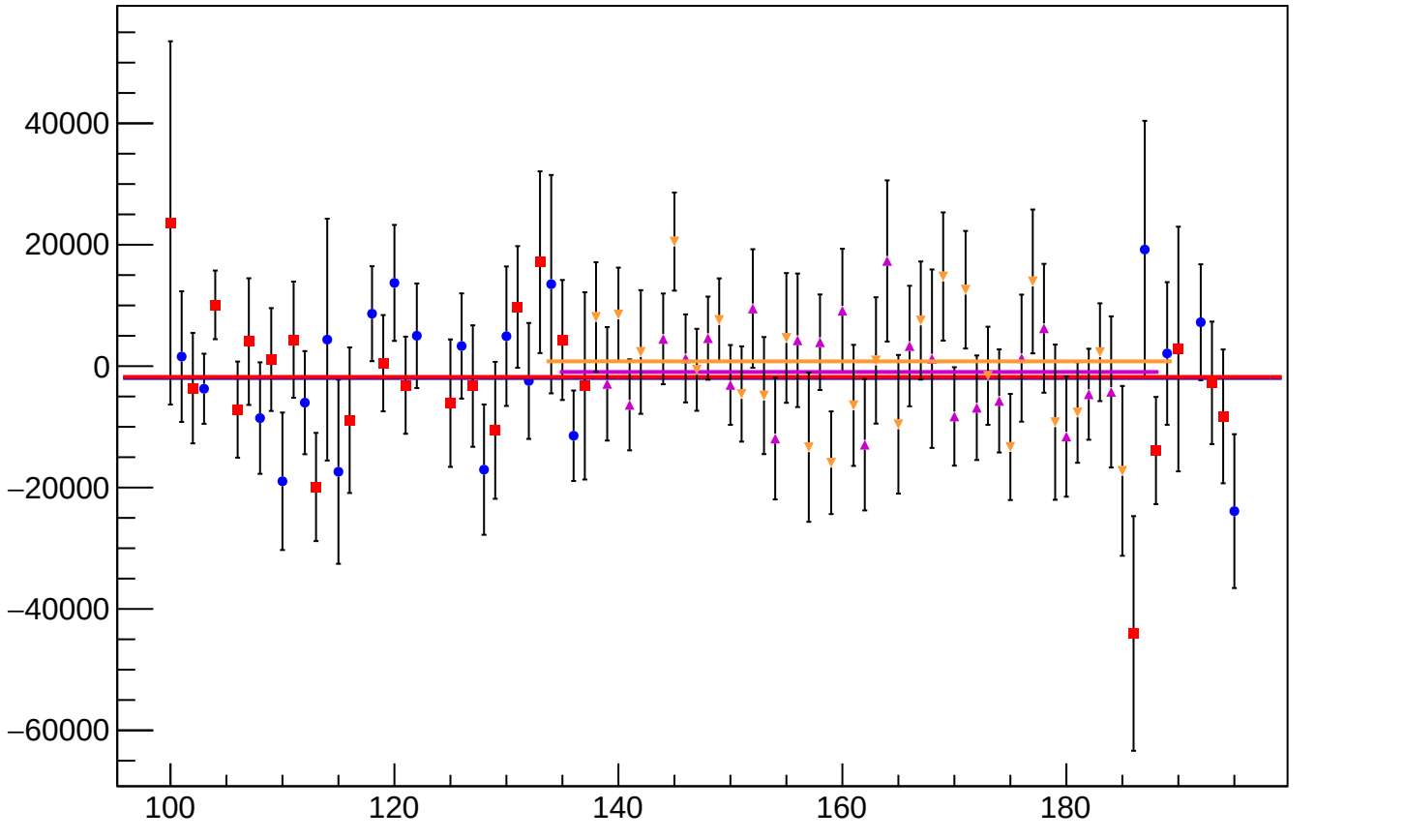
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6223.019+/-1.015 χ^2/NDF: 3211061.0/42

In: 7379.800+/-1.014 χ^2/NDF:2877510.0/42

Out: 7028.008+/-0.959 χ^2/NDF:4316414.7/46

All: 7194.140+/-0.697 χ^2/NDF: 7257468.2/89



Right In: -1950.462+/-2192.049 χ^2/NDF: 19.6/19

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -1775.571+/-2052.747 χ^2/NDF: 22.2/22

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

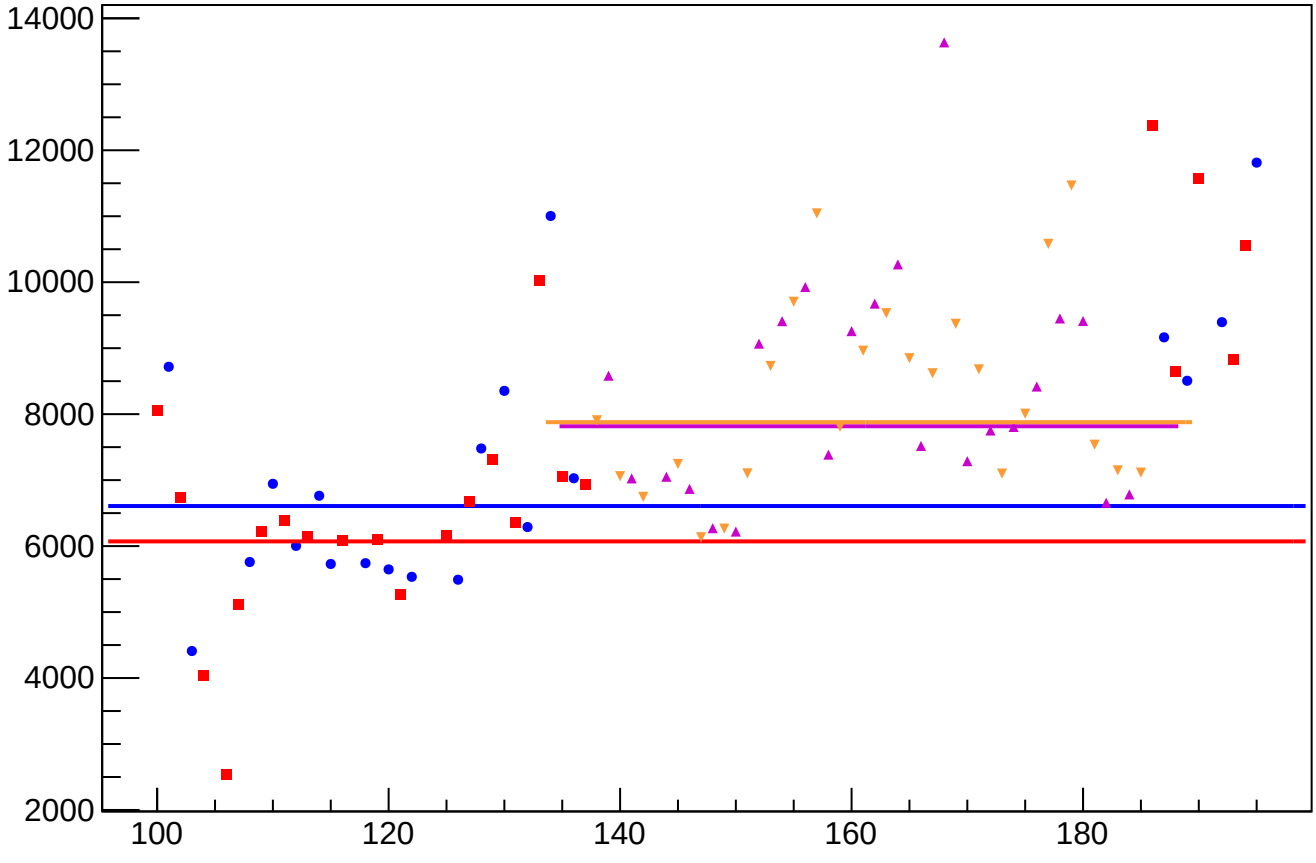
Right: -1857.283+/-1498.339 χ^2/NDF: 41.9/42

In: -1376.895+/-1418.209 χ^2/NDF:32.5/42

Out: -369.503+/-1380.413 χ^2/NDF:50.3/46

All: -859.596+/-989.191 χ^2/NDF: 83.1/89

asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 6607.162+/-1.550 χ^2/NDF: 1288335.1/19

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6071.367+/-1.407 χ^2/NDF: 2309351.0/22

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

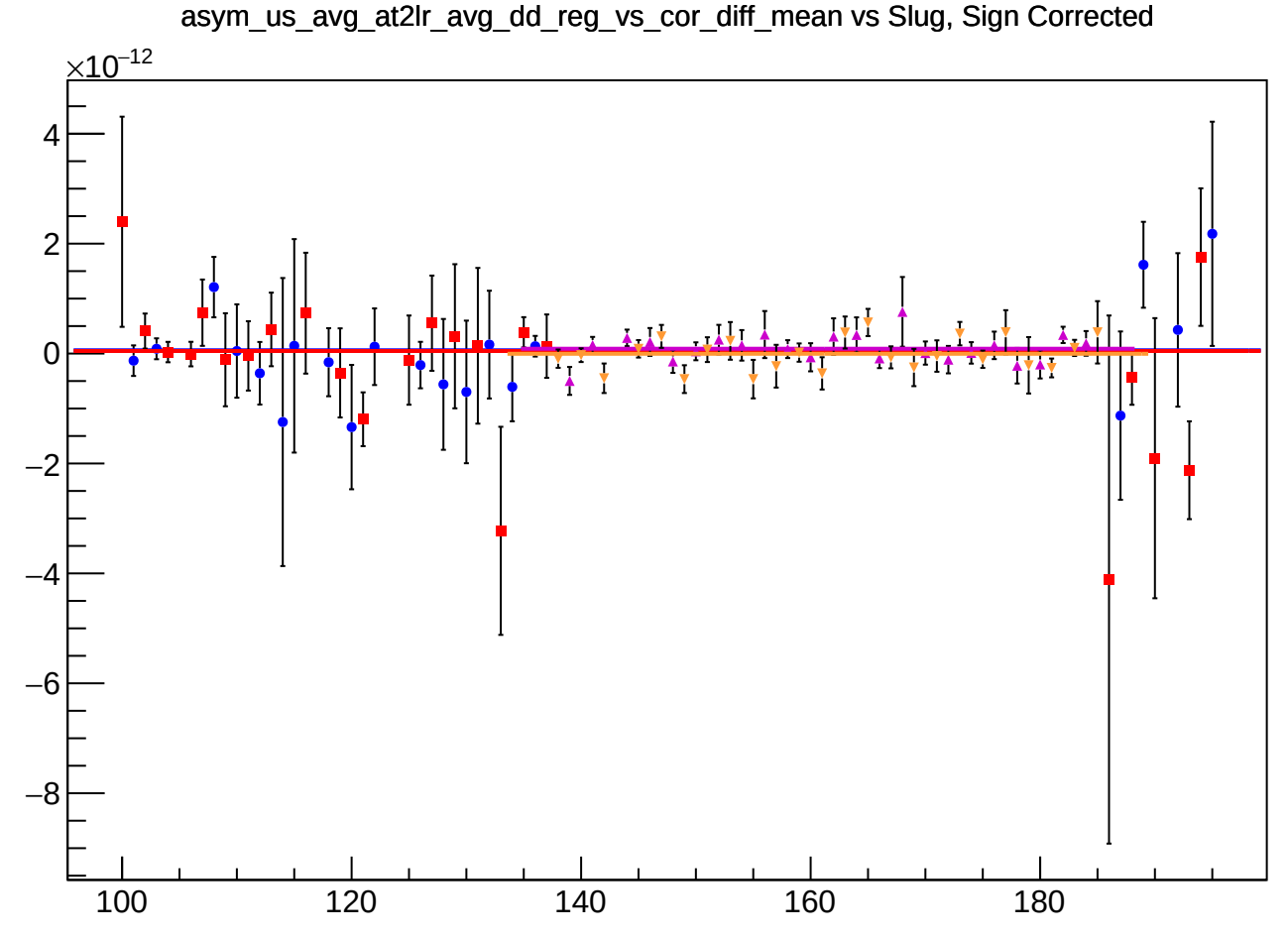
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6313.402+/-1.042 χ^2/NDF: 3663198.8/42

In: 7310.260+/-1.003 χ^2/NDF:2774601.7/42

Out: 7033.275+/-0.962 χ^2/NDF:4177561.1/46

All: 7166.044+/-0.694 χ^2/NDF: 6991884.3/89



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/22

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

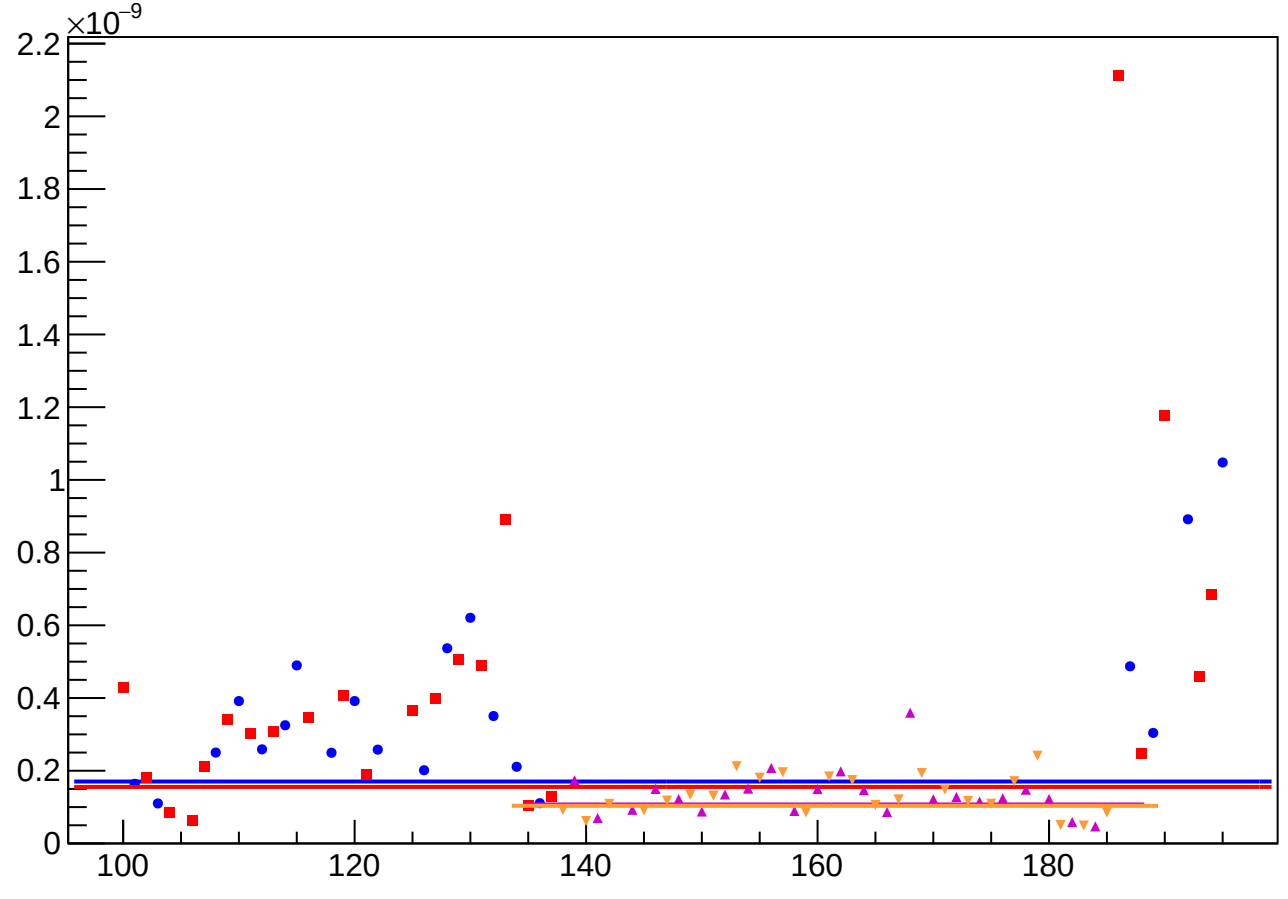
Right: 0.000+/-0.000 χ^2/NDF: 42.1/42

In: 0.000+/-0.000 χ^2/NDF:34.7/42

Out: 0.000+/-0.000 χ^2/NDF:55.6/46

All: 0.000+/-0.000 χ^2/NDF: 92.2/89

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2396106.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3515988.7/22

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

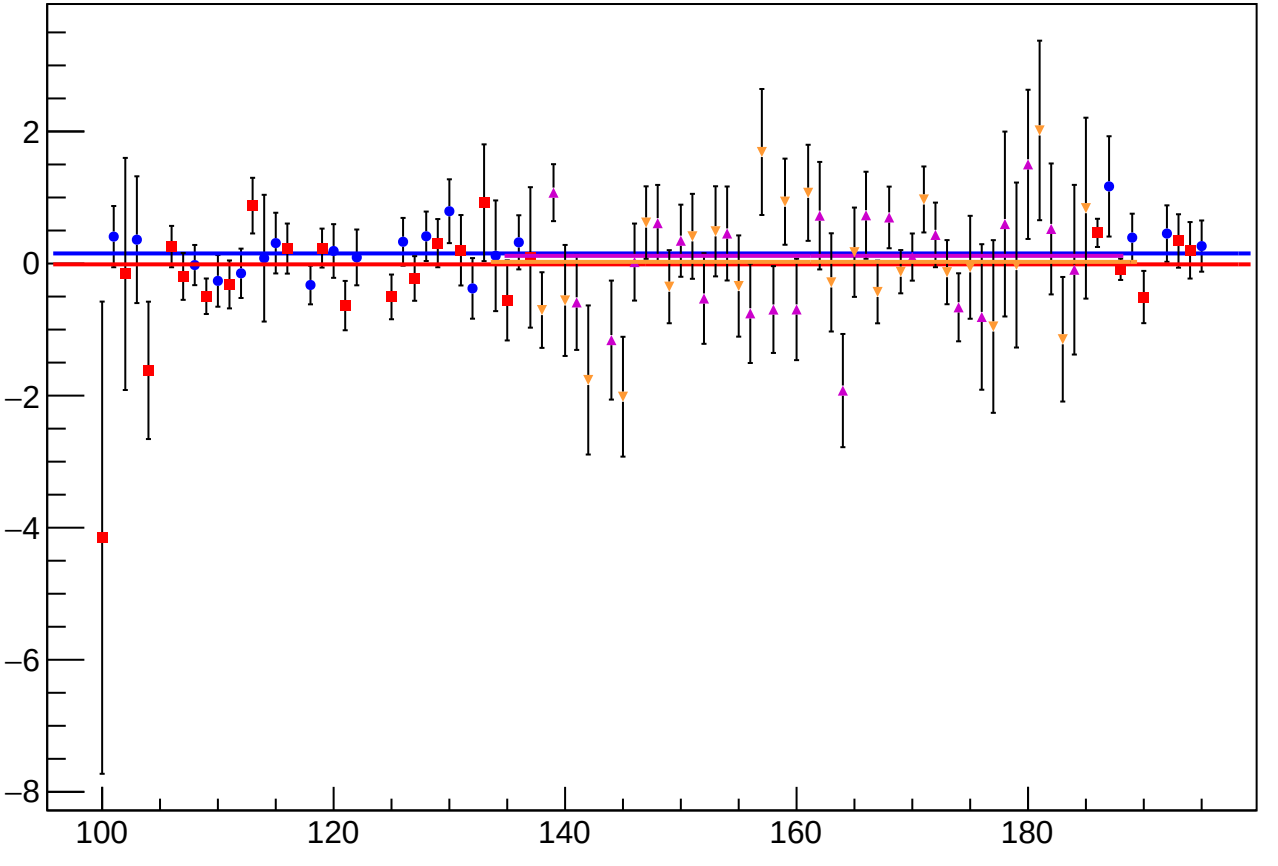
Right: 0.000+/-0.000 χ^2/NDF: 5934063.7/42

In: 0.000+/-0.000 χ^2/NDF:4631862.4/42

Out: 0.000+/-0.000 χ^2/NDF:5876985.6/46

All: 0.000+/-0.000 χ^2/NDF: 10526721.3/89

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.153+/-0.094 χ^2/NDF: 12.0/19

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

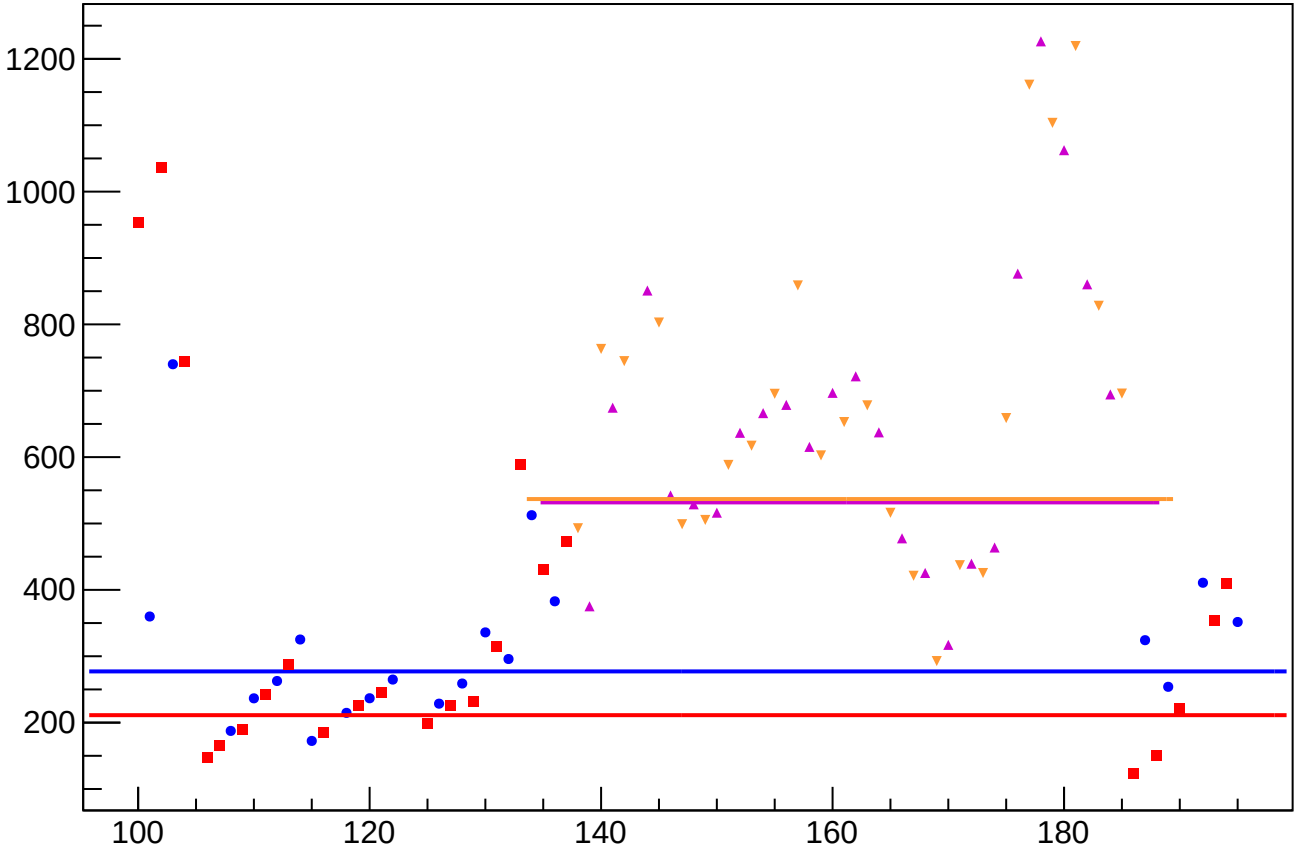
Right: 0.050+/-0.058 χ^2/NDF: 44.1/42

In: 0.141+/-0.077 χ^2/NDF:39.9/42

Out: -0.004+/-0.065 χ^2/NDF:59.3/46

All: 0.056+/-0.049 χ^2/NDF: 101.2/89

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 277.157+/-0.067 χ^2/NDF: 1597288.5/19

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 211.233+/-0.052 χ^2/NDF: 3434139.2/22

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

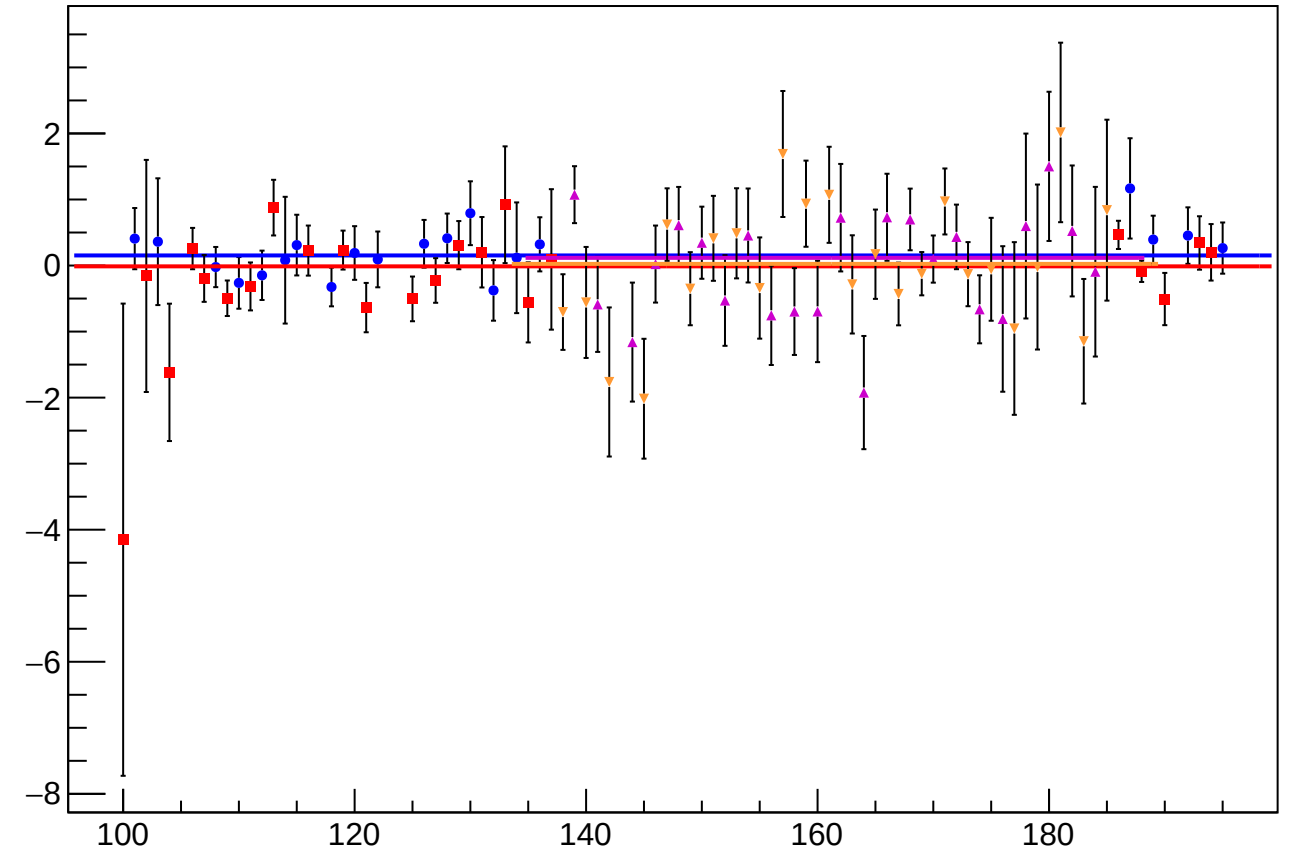
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 236.193+/-0.041 χ^2/NDF: 5636704.6/42

In: 362.990+/-0.054 χ^2/NDF:9876720.7/42

Out: 286.934+/-0.046 χ^2/NDF:16463573.0/46

All: 318.395+/-0.035 χ^2/NDF: 27487109.9/89



Right In: 0.153+/-0.094 χ^2/NDF: 12.0/19

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

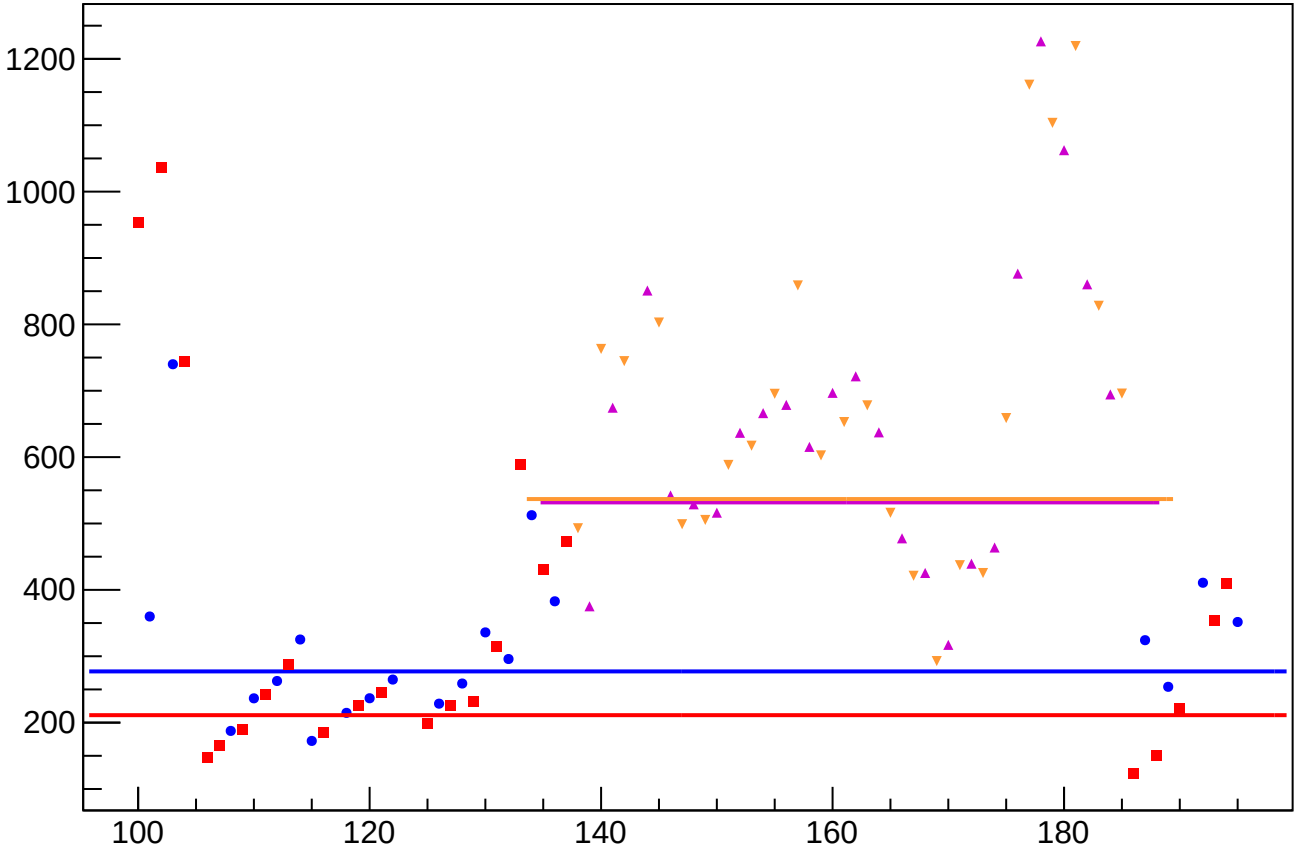
Right: 0.050+/-0.058 χ^2/NDF: 44.1/42

In: 0.141+/-0.077 χ^2/NDF:39.9/42

Out: -0.004+/-0.065 χ^2/NDF:59.3/46

All: 0.056+/-0.049 χ^2/NDF: 101.2/89

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 277.157+/-0.067 χ^2/NDF: 1597288.5/19

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 211.233+/-0.052 χ^2/NDF: 3434139.2/22

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

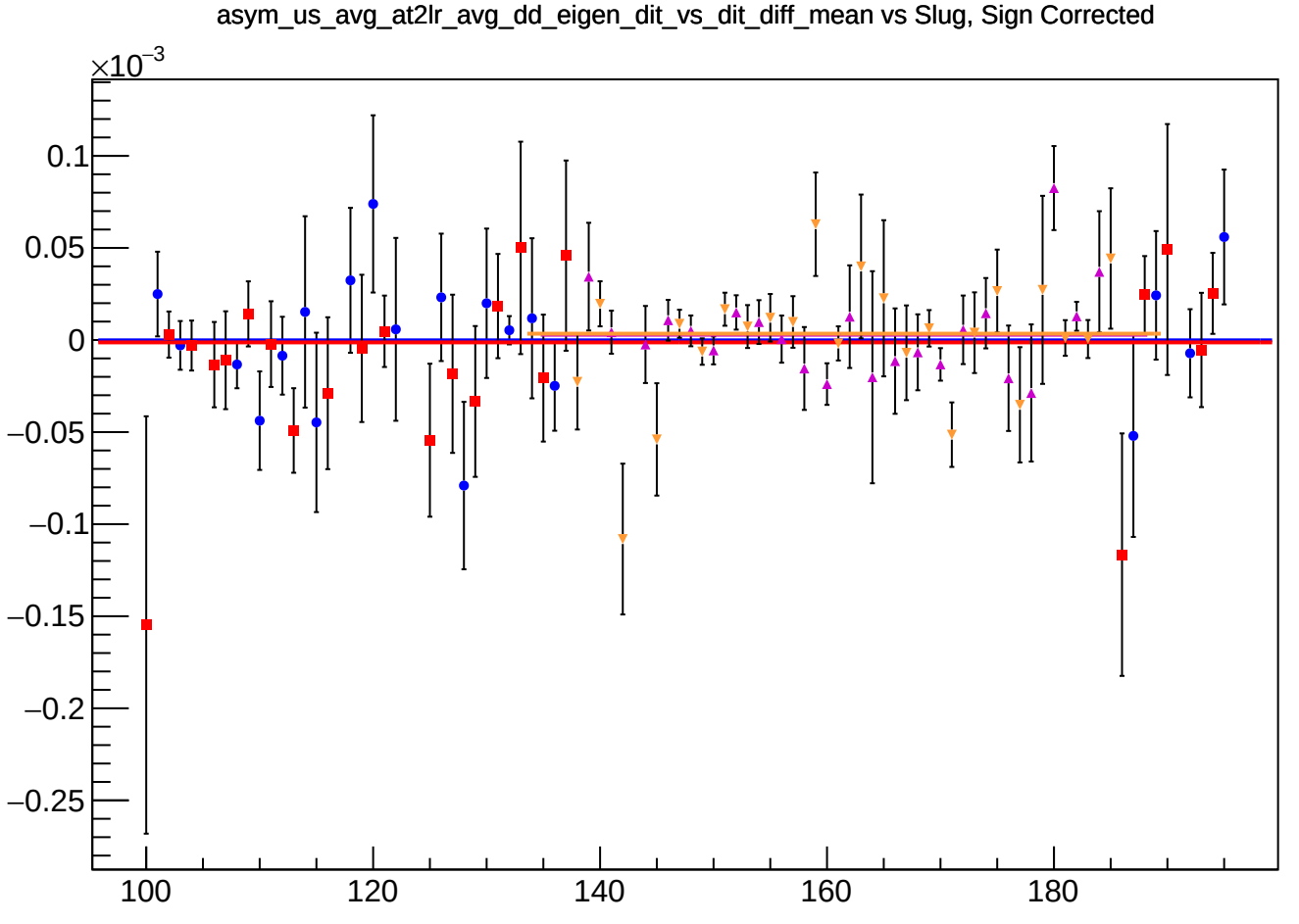
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 236.193+/-0.041 χ^2/NDF: 5636704.6/42

In: 362.990+/-0.054 χ^2/NDF:9876720.7/42

Out: 286.934+/-0.046 χ^2/NDF:16463573.0/46

All: 318.395+/-0.035 χ^2/NDF: 27487109.9/89



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/22

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

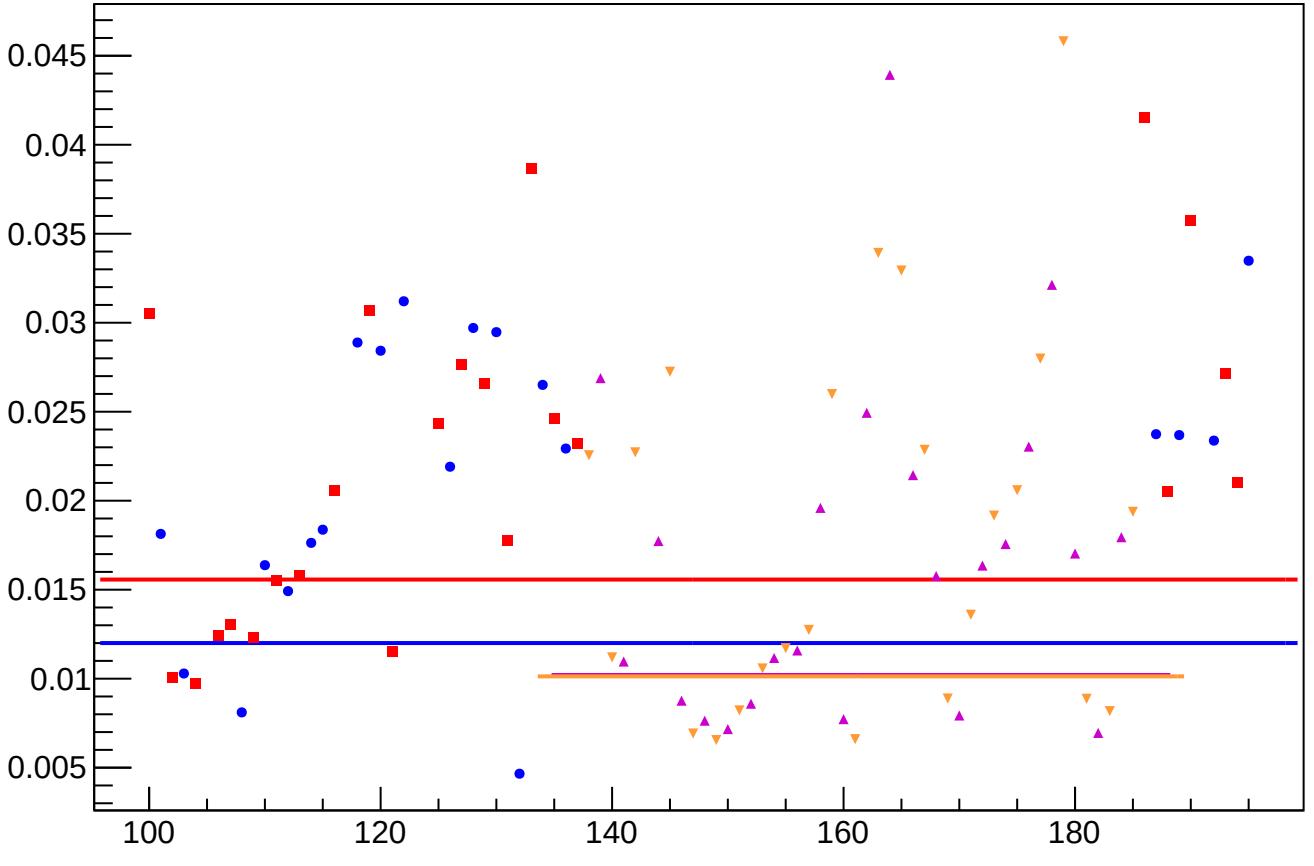
Right: -0.000+/-0.000 χ^2/NDF: 37.7/42

In: 0.000+/-0.000 χ^2/NDF:50.7/42

Out: 0.000+/-0.000 χ^2/NDF:59.2/46

All: 0.000+/-0.000 χ^2/NDF: 109.9/89

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 6156072.7/19

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3218695.6/22

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

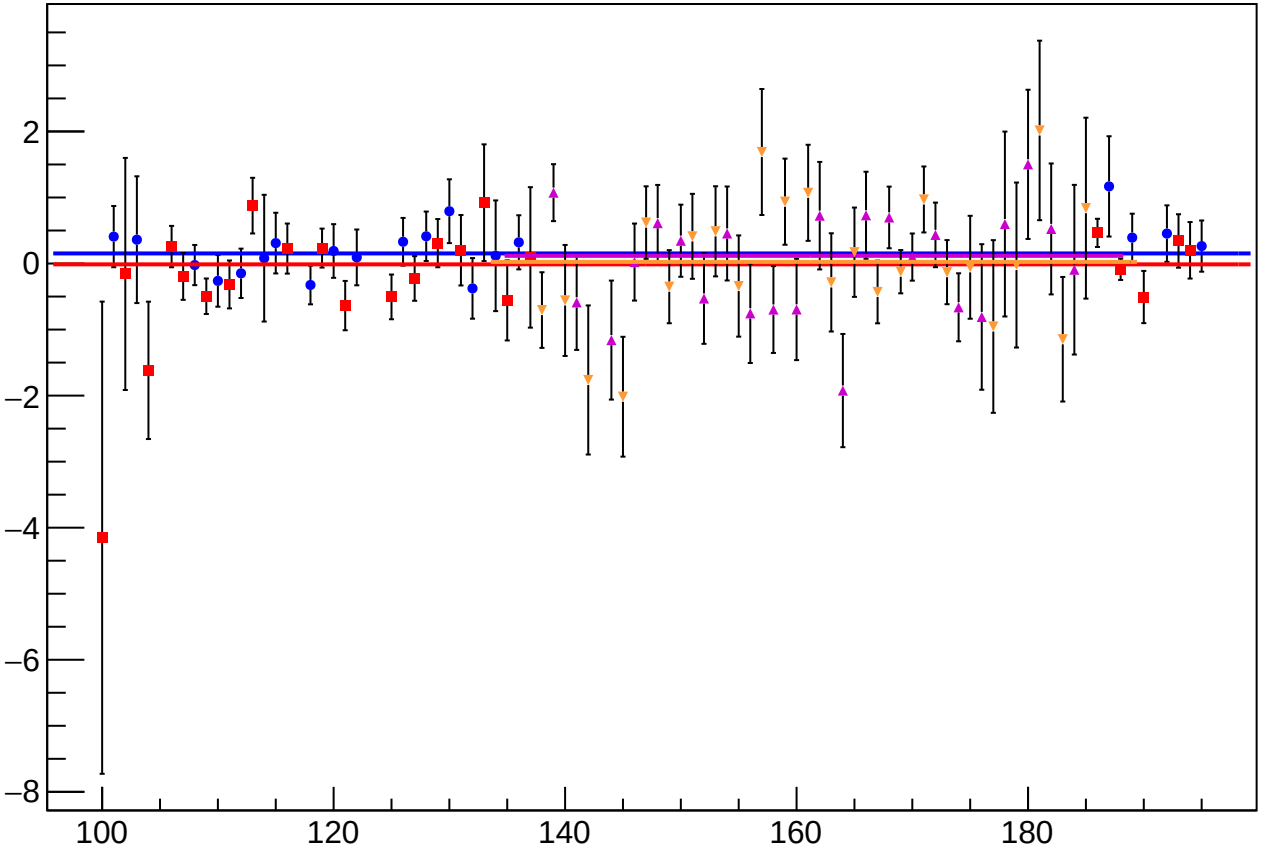
Right: 0.014+/-0.000 χ^2/NDF: 9882381.2/42

In: 0.011+/-0.000 χ^2/NDF:12444671.2/42

Out: 0.011+/-0.000 χ^2/NDF:12717337.7/46

All: 0.011+/-0.000 χ^2/NDF: 25230927.6/89

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.153+/-0.094 χ^2/NDF: 12.0/19

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

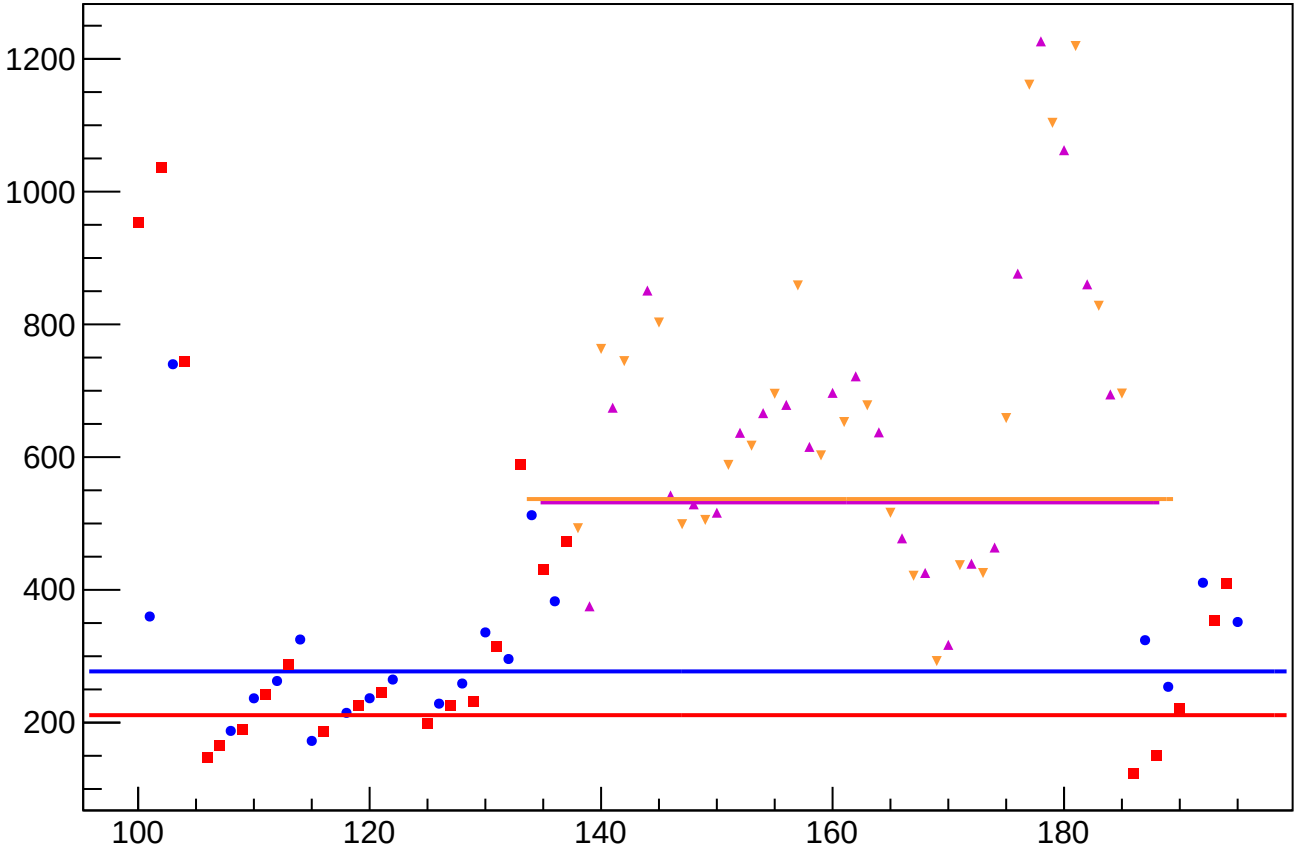
Right: 0.050+/-0.058 χ^2/NDF: 44.1/42

In: 0.141+/-0.077 χ^2/NDF:39.9/42

Out: -0.004+/-0.065 χ^2/NDF:59.3/46

All: 0.056+/-0.049 χ^2/NDF: 101.3/89

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 277.155+/-0.067 χ^2/NDF: 1597258.4/19

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 211.230+/-0.052 χ^2/NDF: 3434229.9/22

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

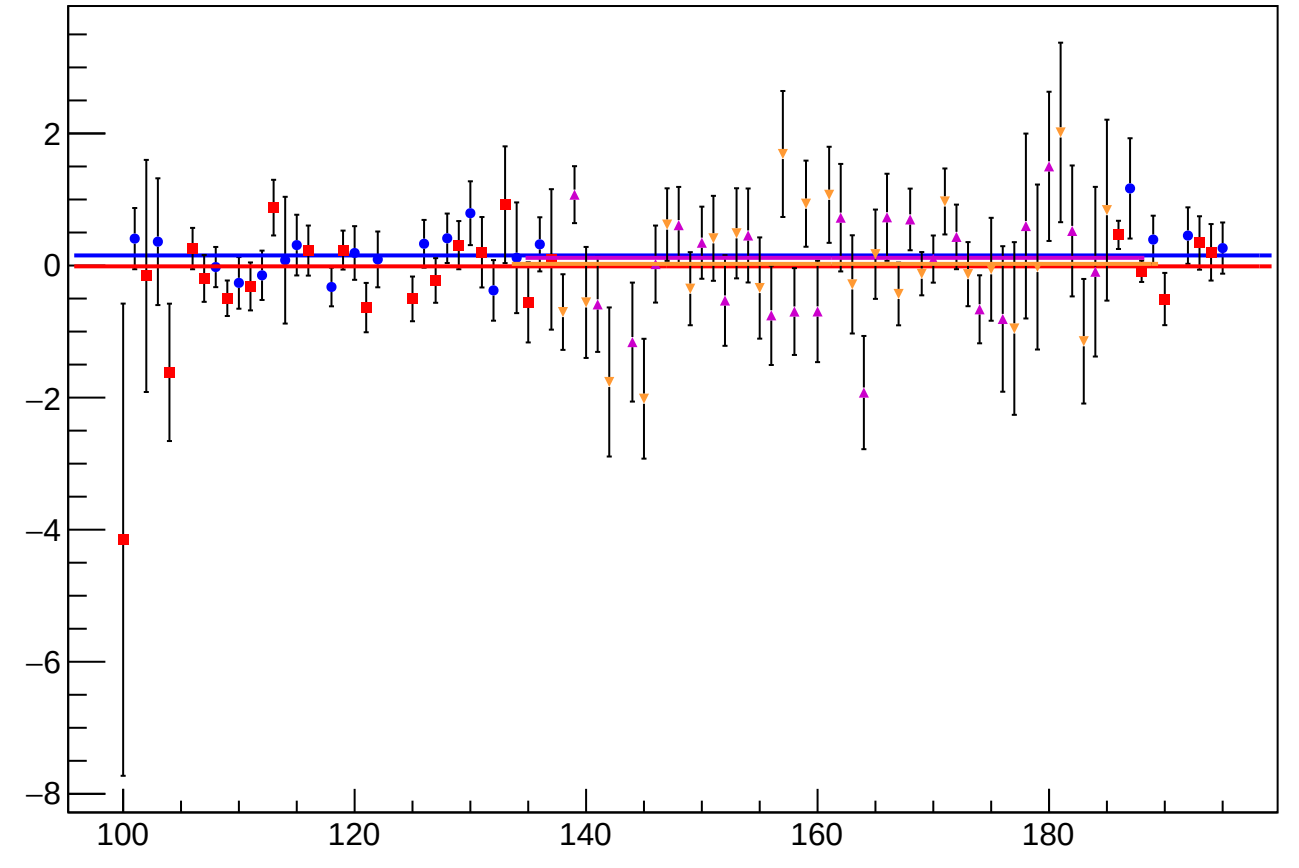
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 236.191+/-0.041 χ^2/NDF: 5636783.4/42

In: 362.989+/-0.054 χ^2/NDF:9876949.5/42

Out: 286.930+/-0.046 χ^2/NDF:16463997.1/46

All: 318.392+/-0.035 χ^2/NDF: 27487813.8/89



Right In: 0.153+/-0.094 χ^2/NDF: 12.0/19

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

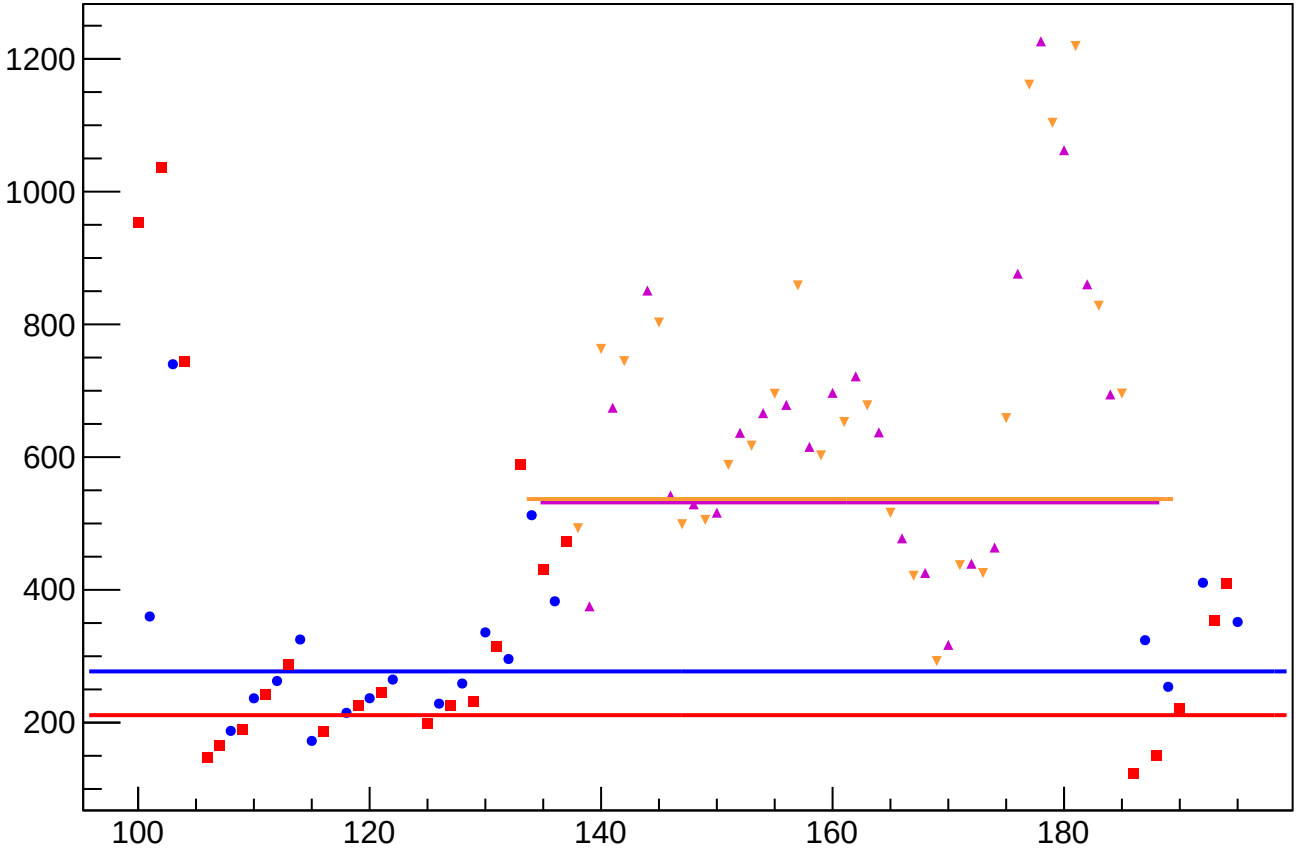
Right: 0.050+/-0.058 χ^2/NDF: 44.1/42

In: 0.141+/-0.077 χ^2/NDF:39.9/42

Out: -0.004+/-0.065 χ^2/NDF:59.3/46

All: 0.056+/-0.049 χ^2/NDF: 101.3/89

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 277.155+/-0.067 χ^2/NDF: 1597258.4/19

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 211.230+/-0.052 χ^2/NDF: 3434229.9/22

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

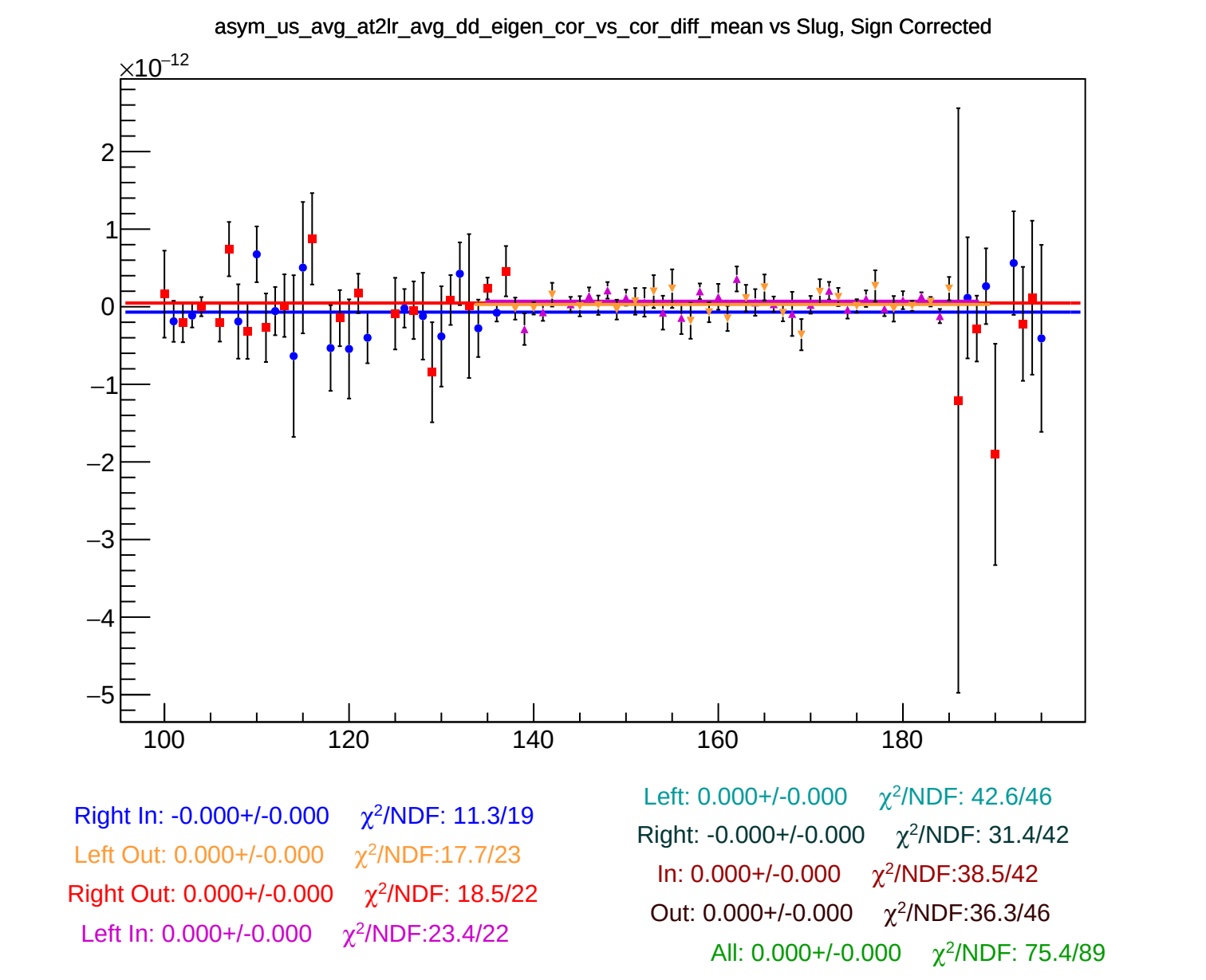
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 236.191+/-0.041 χ^2/NDF: 5636783.4/42

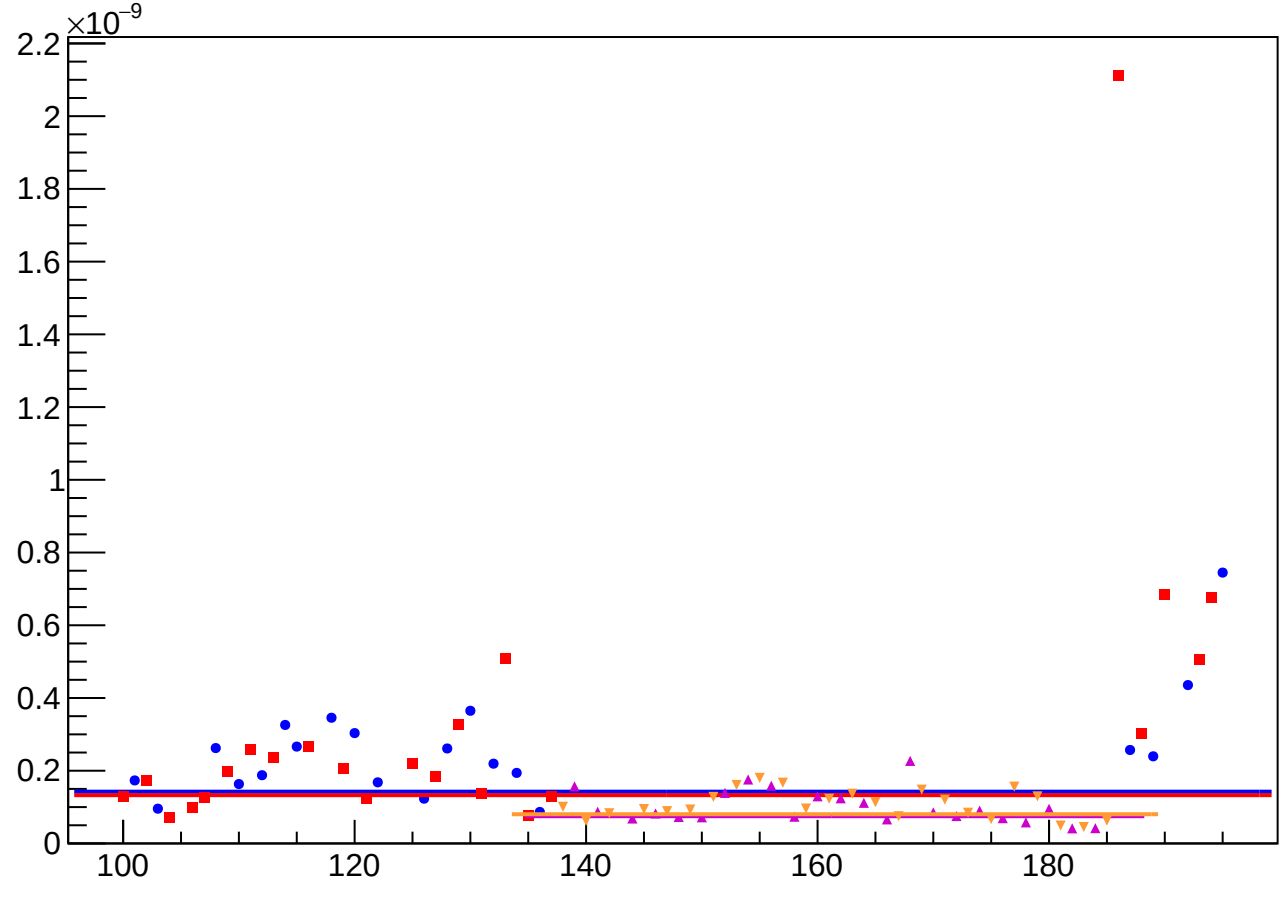
In: 362.989+/-0.054 χ^2/NDF:9876949.5/42

Out: 286.930+/-0.046 χ^2/NDF:16463997.1/46

All: 318.392+/-0.035 χ^2/NDF: 27487813.8/89


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 11.3/19
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/22
Left In: 0.000+/-0.000 χ²/NDF:23.4/22
Left: 0.000+/-0.000 χ²/NDF: 42.6/46
Right: -0.000+/-0.000 χ²/NDF: 31.4/42
In: 0.000+/-0.000 χ²/NDF:38.5/42
Out: 0.000+/-0.000 χ²/NDF:36.3/46
All: 0.000+/-0.000 χ²/NDF: 75.4/89

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: 2849787.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4342221.0/22

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

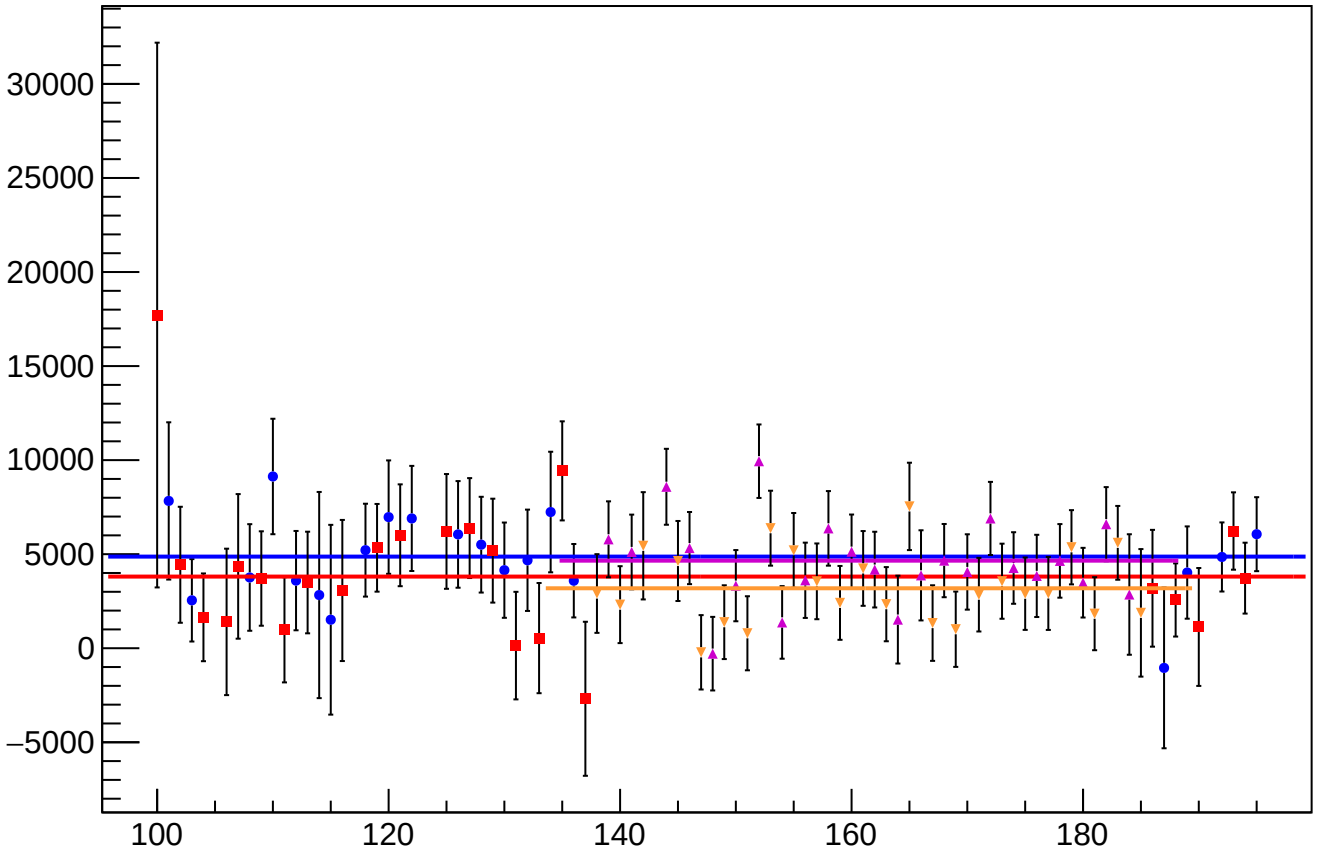
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 7213439.2/42

In: 0.000+/-0.000 χ^2/NDF:8298119.3/42

Out: 0.000+/-0.000 χ^2/NDF:9266632.7/46

All: 0.000+/-0.000 χ^2/NDF: 17617809.3/89



Right In: 4870.983+/-595.166 χ^2/NDF: 9.3/19

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3808.976+/-572.245 χ^2/NDF: 18.7/22

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

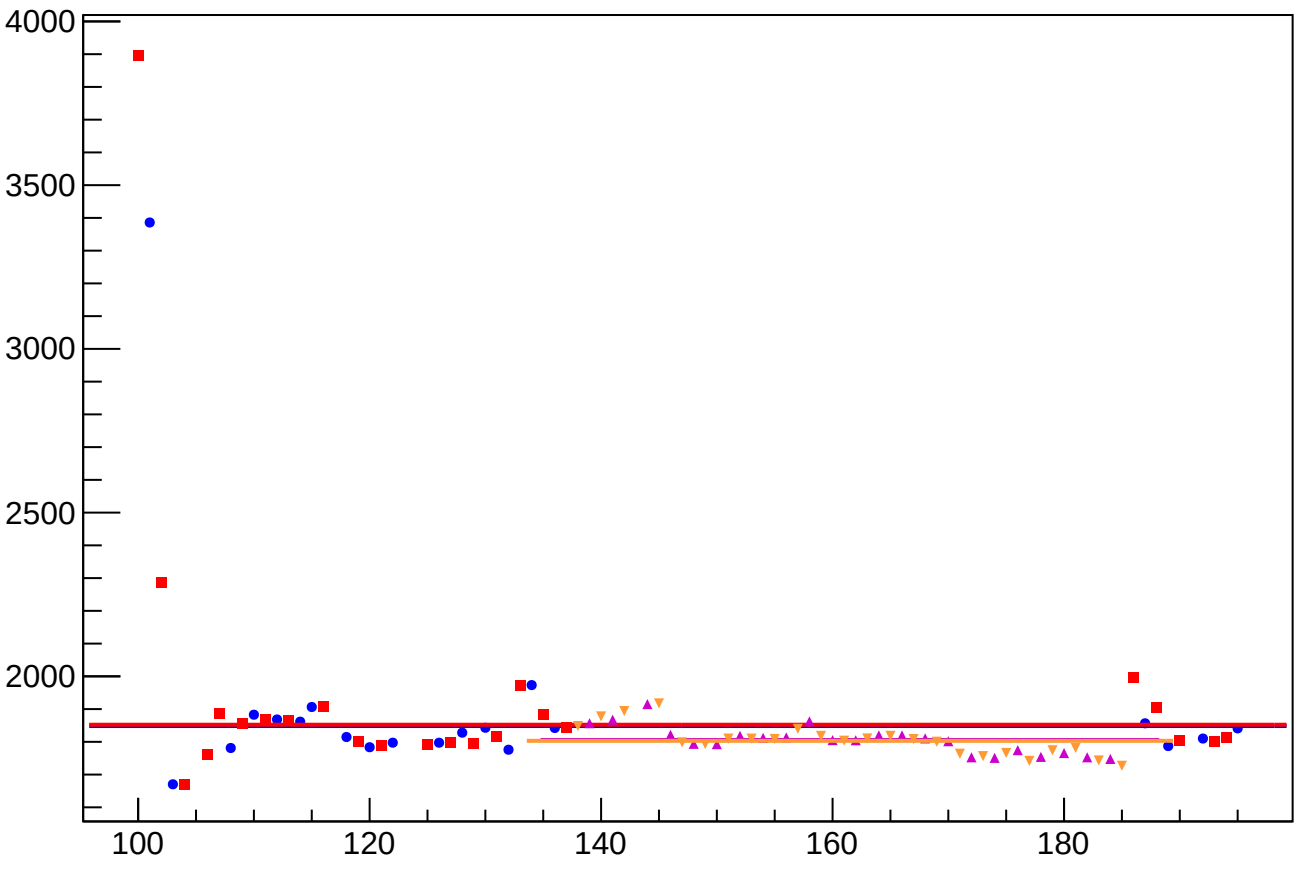
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4319.136+/-412.504 χ^2/NDF: 29.7/42

In: 4727.324+/-344.079 χ^2/NDF:37.1/42

Out: 3403.900+/-337.865 χ^2/NDF:39.4/46

All: 4053.554+/-241.074 χ^2/NDF: 84.0/89



Right In: 1848.313+/-0.421 χ^2/NDF: 294995.0/19

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1852.235+/-0.404 χ^2/NDF: 110590.4/22

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

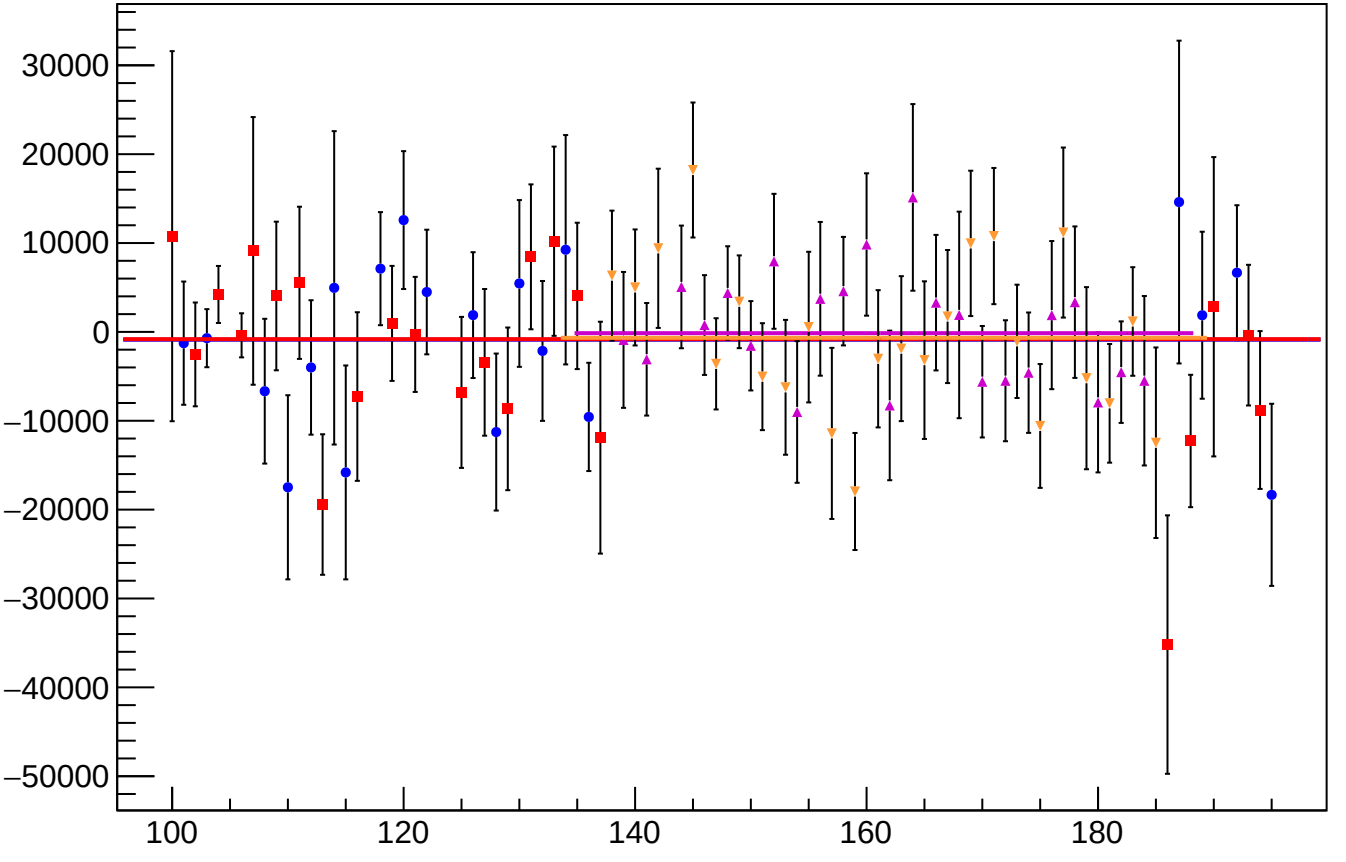
Right: 1850.355+/-0.291 χ^2/NDF: 405630.6/42

In: 1819.848+/-0.243 χ^2/NDF:321181.1/42

Out: 1820.284+/-0.239 χ^2/NDF:140856.5/46

All: 1820.070+/-0.170 χ^2/NDF: 462039.2/89

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -877.622+/-1660.856 χ^2/NDF: 19.4/19

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -819.862+/-1363.136 χ^2/NDF: 23.9/22

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

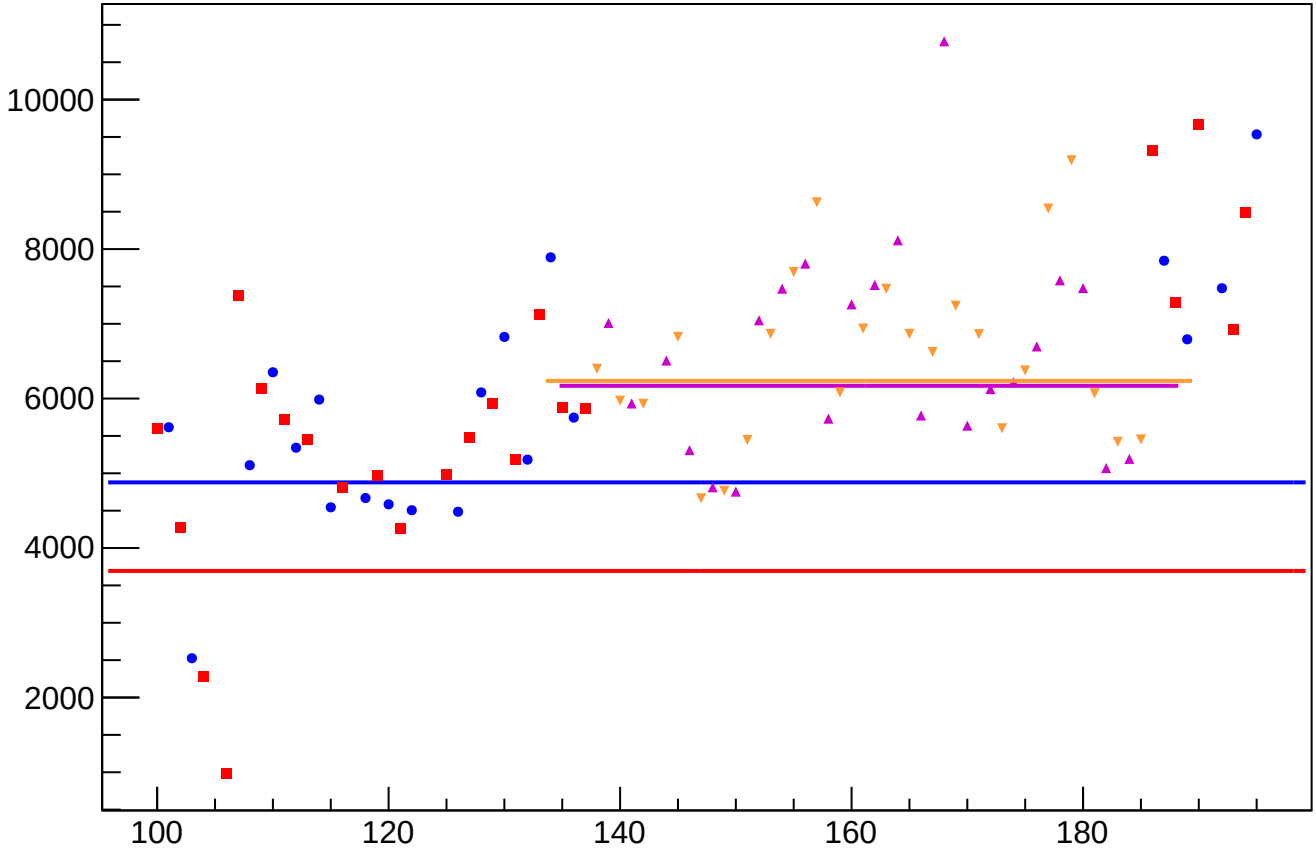
Right: -843.110+/-1053.685 χ^2/NDF: 43.3/42

In: -466.276+/-1101.343 χ^2/NDF:33.1/42

Out: -749.754+/-1002.282 χ^2/NDF:53.6/46

All: -621.334+/-741.273 χ^2/NDF: 86.8/89

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4878.458+/-1.174 χ^2/NDF: 2194169.3/19

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3693.654+/-0.964 χ^2/NDF: 6096663.2/22

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

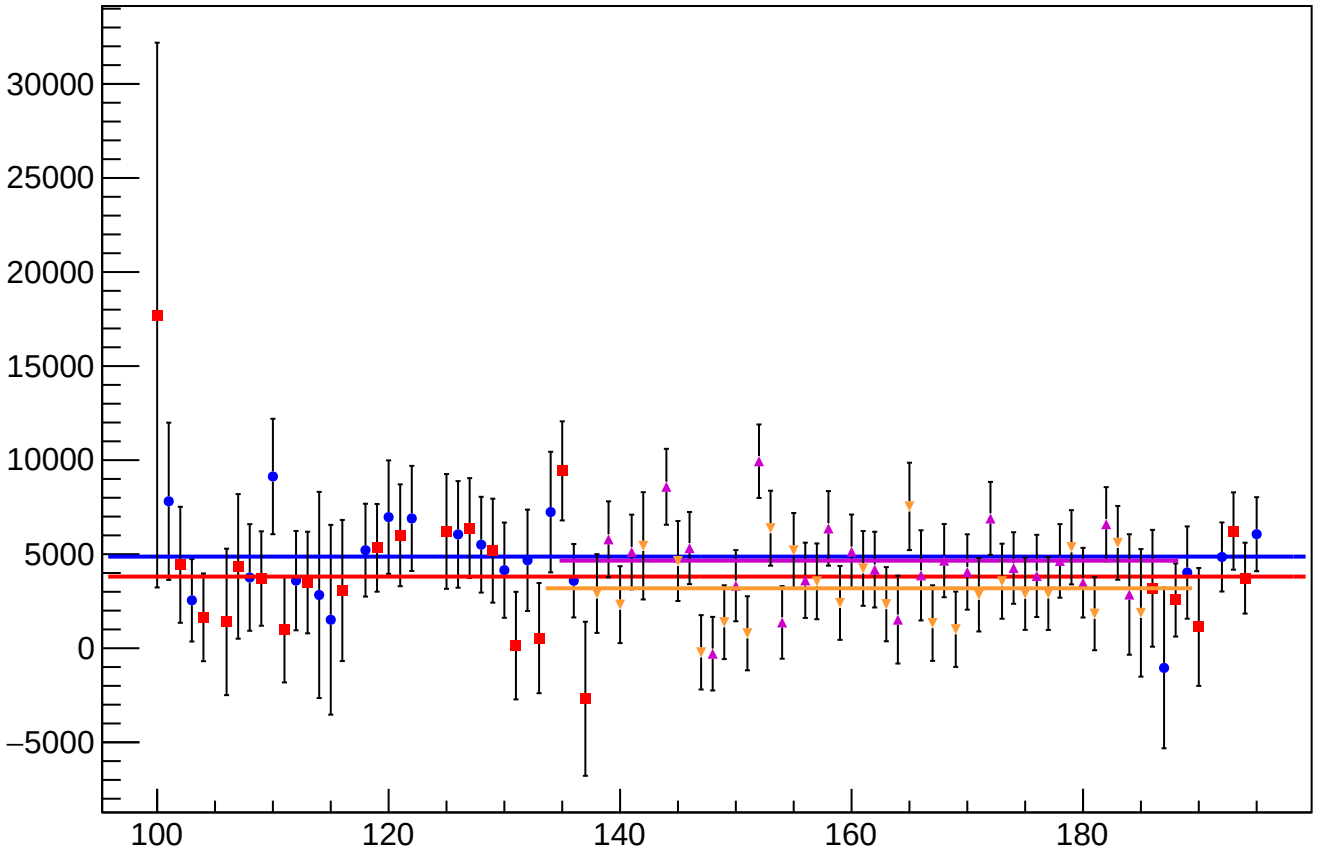
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 4170.529+/-0.745 χ^2/NDF: 8898970.8/42

In: 5602.520+/-0.779 χ^2/NDF:4110171.0/42

Out: 4861.821+/-0.709 χ^2/NDF:10361743.1/46

All: 5197.367+/-0.524 χ^2/NDF: 14966731.2/8



Right In: 4870.664+/-595.166 χ^2/NDF: 9.3/19

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3808.804+/-572.245 χ^2/NDF: 18.7/22

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

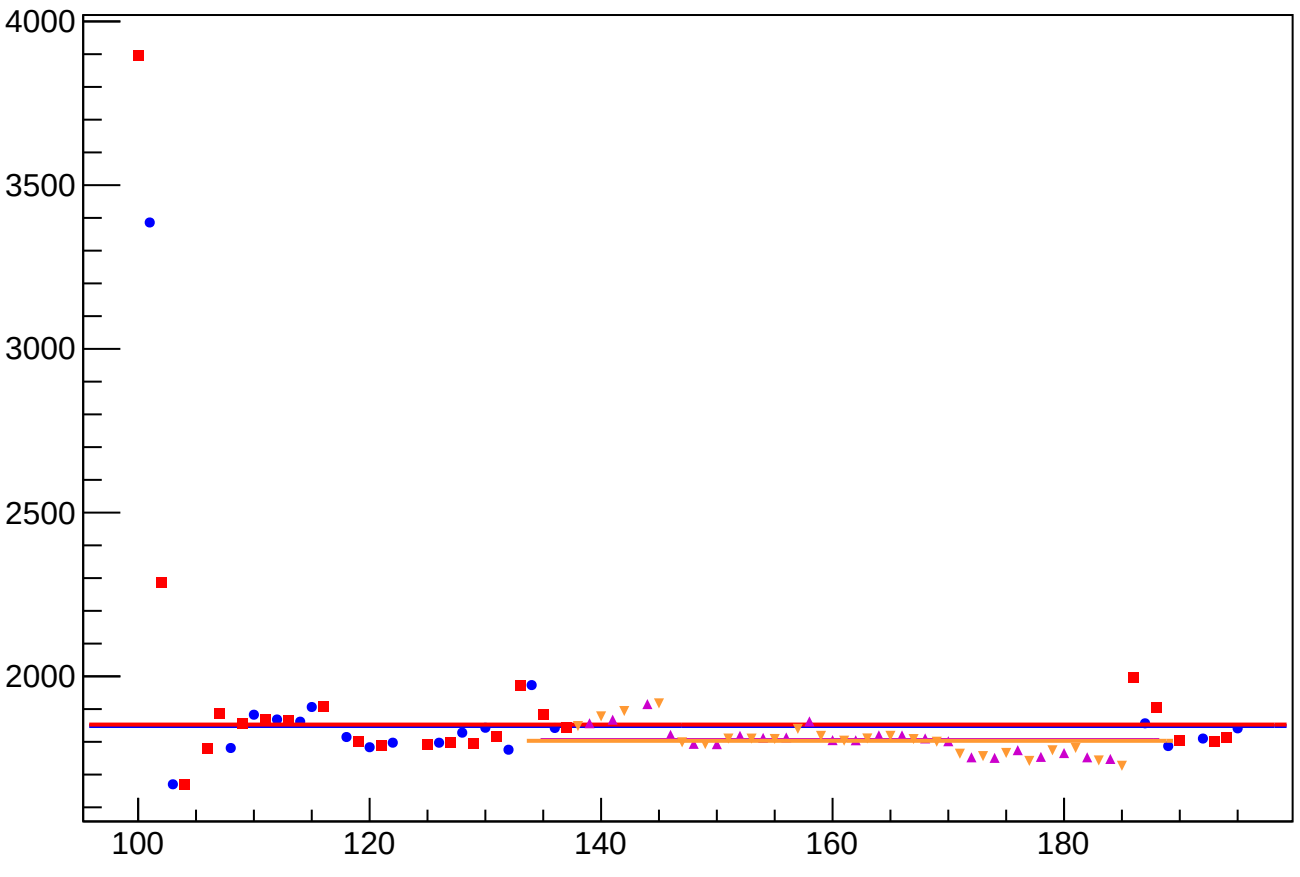
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4318.893+/-412.504 χ^2/NDF: 29.6/42

In: 4727.230+/-344.079 χ^2/NDF:37.1/42

Out: 3403.795+/-337.865 χ^2/NDF:39.4/46

All: 4053.455+/-241.074 χ^2/NDF: 83.9/89



Right In: 1848.313+/-0.421 χ^2/NDF: 294996.8/19

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1852.713+/-0.404 χ^2/NDF: 110128.1/22

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

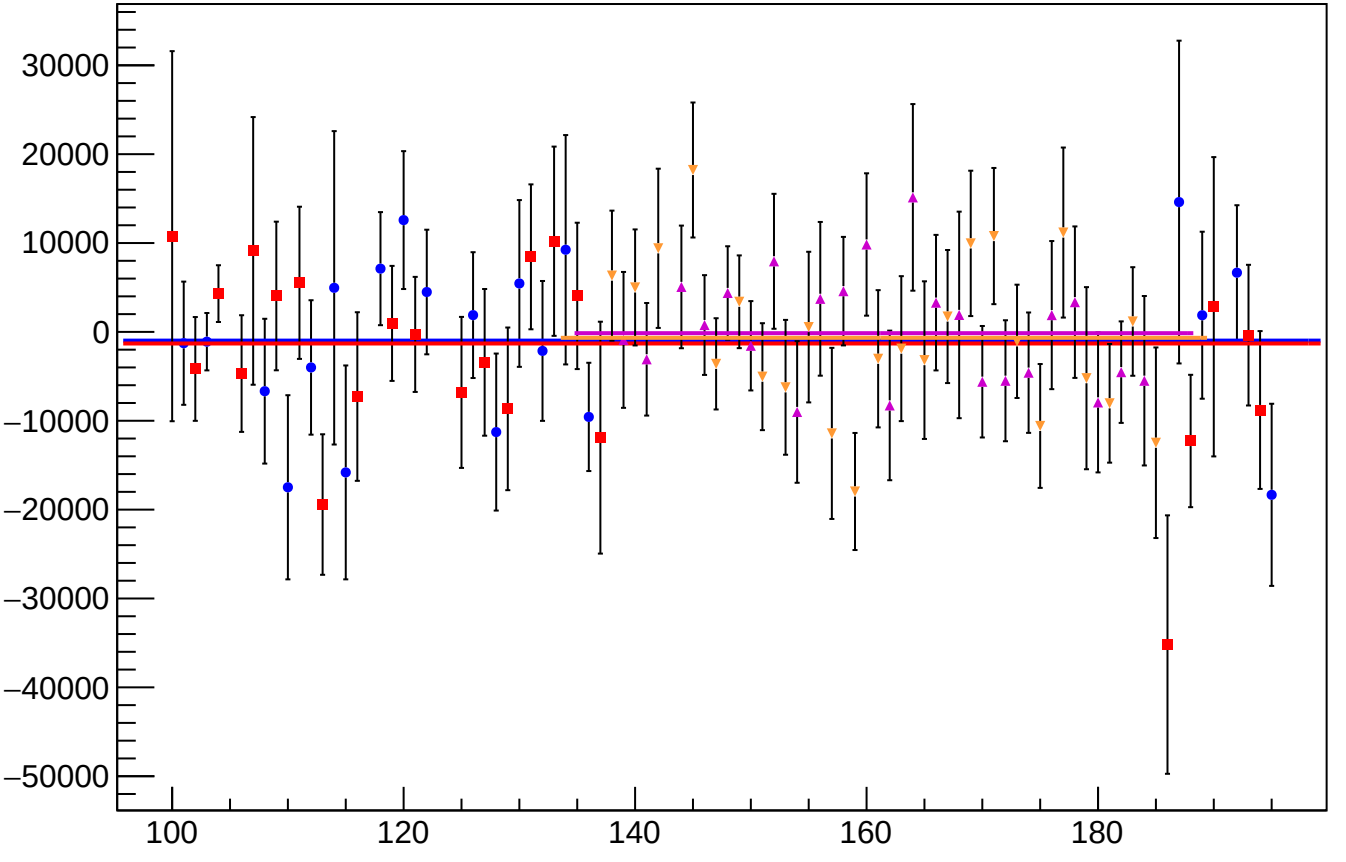
Right: 1850.603+/-0.291 χ^2/NDF: 405181.8/42

In: 1819.848+/-0.243 χ^2/NDF:321182.9/42

Out: 1820.446+/-0.239 χ^2/NDF:140579.6/46

All: 1820.153+/-0.170 χ^2/NDF: 461765.6/89

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -980.683+/-1655.593 χ^2/NDF: 19.4/19

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1305.183+/-1581.235 χ^2/NDF: 24.4/22

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

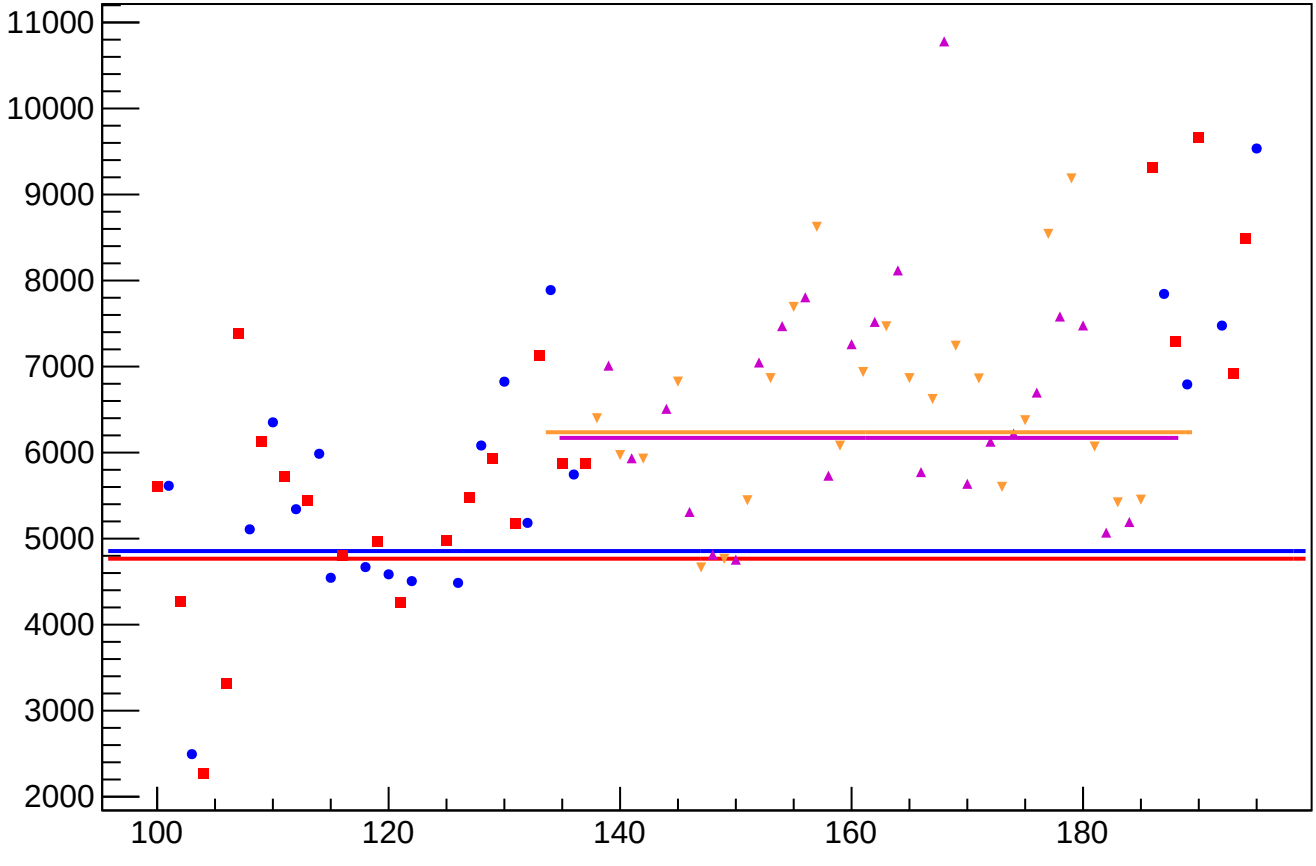
Right: -1150.384+/-1143.486 χ^2/NDF: 43.9/42

In: -512.867+/-1099.804 χ^2/NDF:33.2/42

Out: -964.883+/-1080.068 χ^2/NDF:54.3/46

All: -742.967+/-770.606 χ^2/NDF: 87.5/89

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4855.452+/-1.171 χ^2/NDF: 2247185.8/19

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4766.669+/-1.118 χ^2/NDF: 2802342.1/22

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

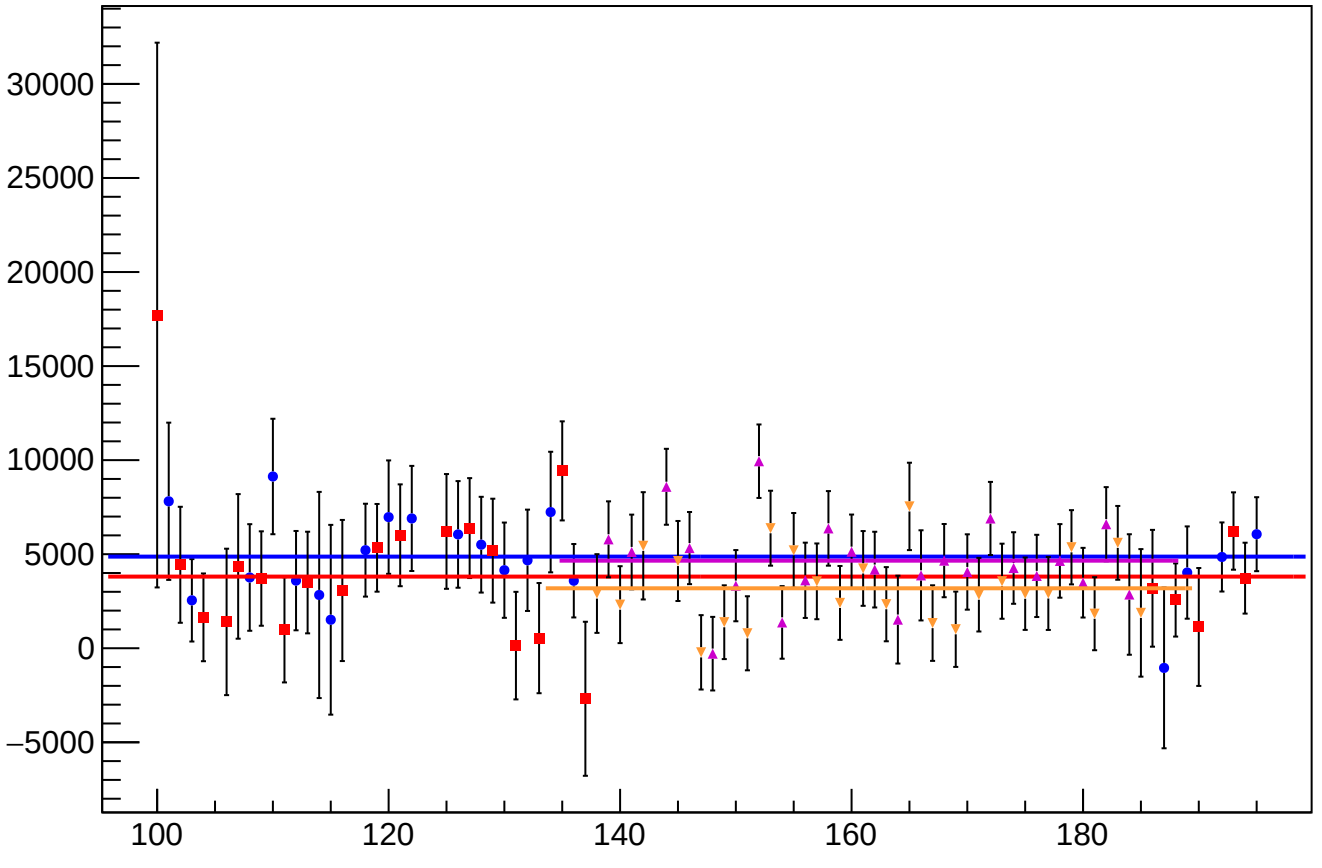
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4809.022+/-0.809 χ^2/NDF: 5052535.7/42

In: 5590.345+/-0.778 χ^2/NDF:4190065.2/42

Out: 5550.805+/-0.764 χ^2/NDF:4792017.6/46

All: 5570.217+/-0.545 χ^2/NDF: 8983398.7/89



Right In: 4870.664+/-595.166 χ^2/NDF: 9.3/19

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3808.804+/-572.245 χ^2/NDF: 18.7/22

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

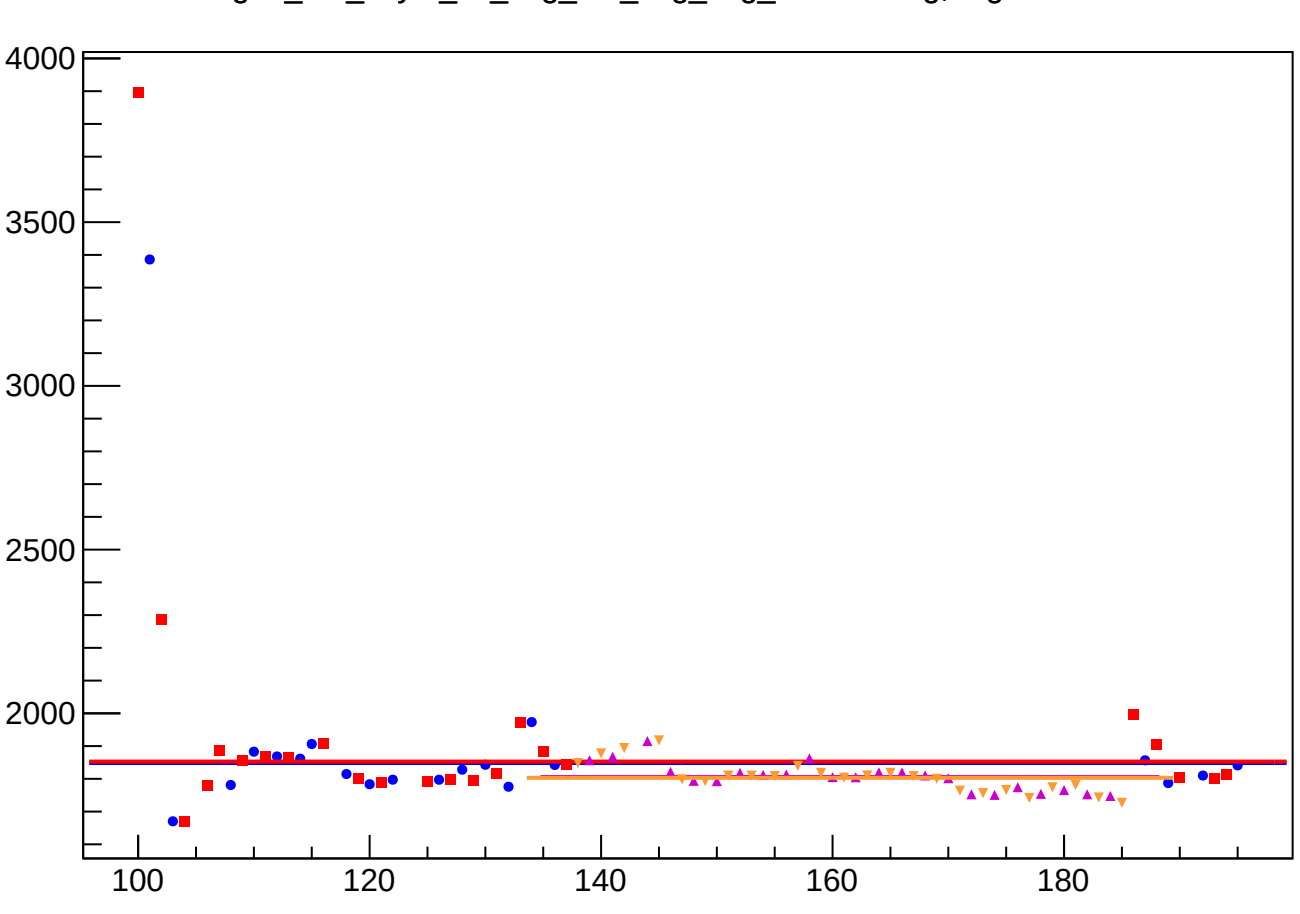
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

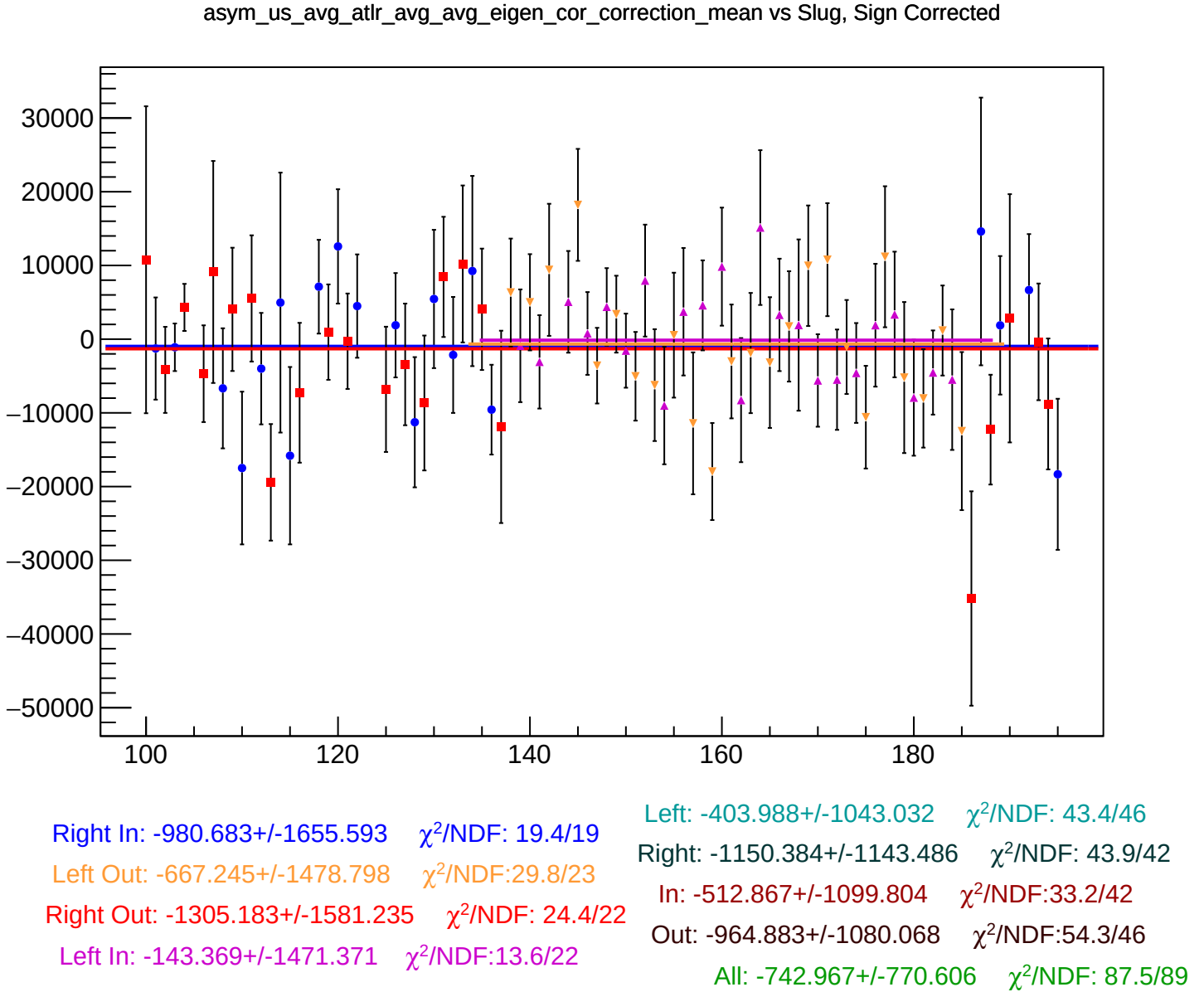
Right: 4318.893+/-412.504 χ^2/NDF: 29.6/42

In: 4727.230+/-344.079 χ^2/NDF:37.1/42

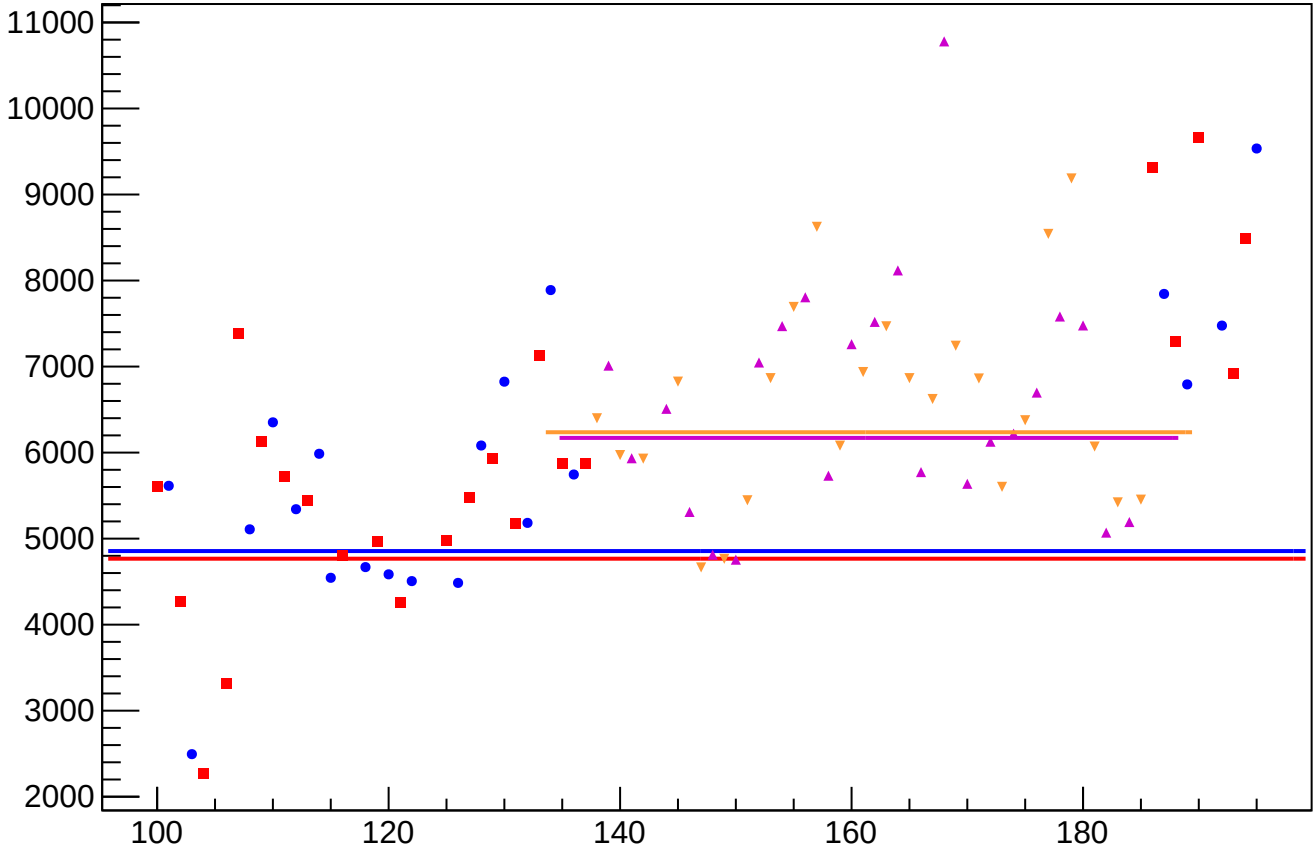
Out: 3403.795+/-337.865 χ^2/NDF:39.4/46

All: 4053.455+/-241.074 χ^2/NDF: 83.9/89


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
120
140
160
180
Right In: 1848.313+/-0.421 χ²/NDF: 294996.8/19
Left Out: 1803.115+/-0.296 χ²/NDF:20641.1/23
Right Out: 1852.713+/-0.404 χ²/NDF: 110128.1/22
Left In: 1805.559+/-0.298 χ²/NDF:19314.6/22
Left: 1804.328+/-0.210 χ²/NDF: 39989.6/46
Right: 1850.603+/-0.291 χ²/NDF: 405181.8/42
In: 1819.848+/-0.243 χ²/NDF:321182.9/42
Out: 1820.446+/-0.239 χ²/NDF:140579.6/46
All: 1820.153+/-0.170 χ²/NDF: 461765.6/89


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: -980.683+/-1655.593 χ²/NDF: 19.4/19
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1305.183+/-1581.235 χ²/NDF: 24.4/22
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -1150.384+/-1143.486 χ²/NDF: 43.9/42
In: -512.867+/-1099.804 χ²/NDF:33.2/42
Out: -964.883+/-1080.068 χ²/NDF:54.3/46
All: -742.967+/-770.606 χ²/NDF: 87.5/89

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4855.452+/-1.171 χ^2/NDF: 2247185.8/19

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4766.669+/-1.118 χ^2/NDF: 2802342.1/22

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

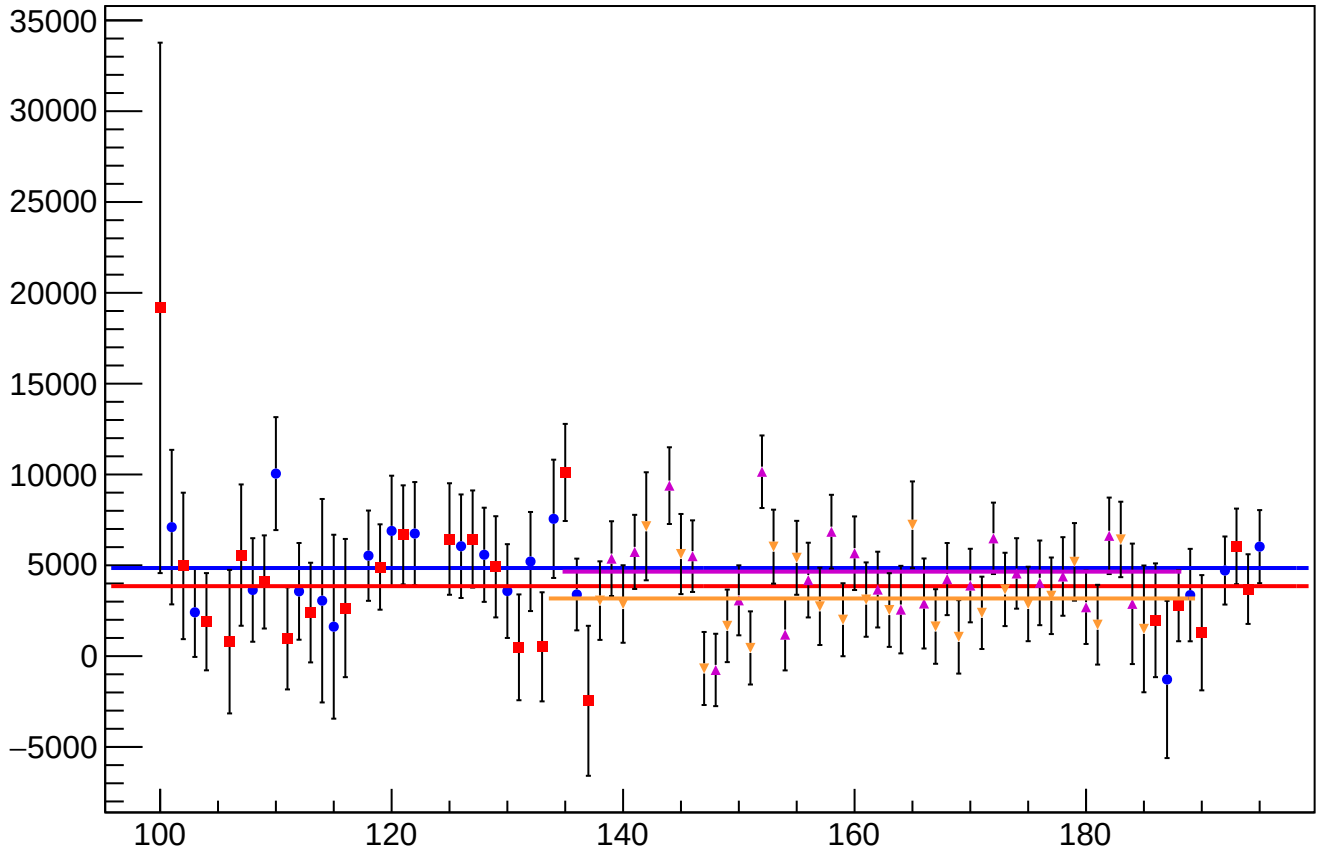
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4809.022+/-0.809 χ^2/NDF: 5052535.7/42

In: 5590.345+/-0.778 χ^2/NDF:4190065.2/42

Out: 5550.805+/-0.764 χ^2/NDF:4792017.6/46

All: 5570.217+/-0.545 χ^2/NDF: 8983398.7/89



Right In: 4851.057+/-608.477 χ^2/NDF: 10.4/19

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3852.273+/-587.277 χ^2/NDF: 19.8/22

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

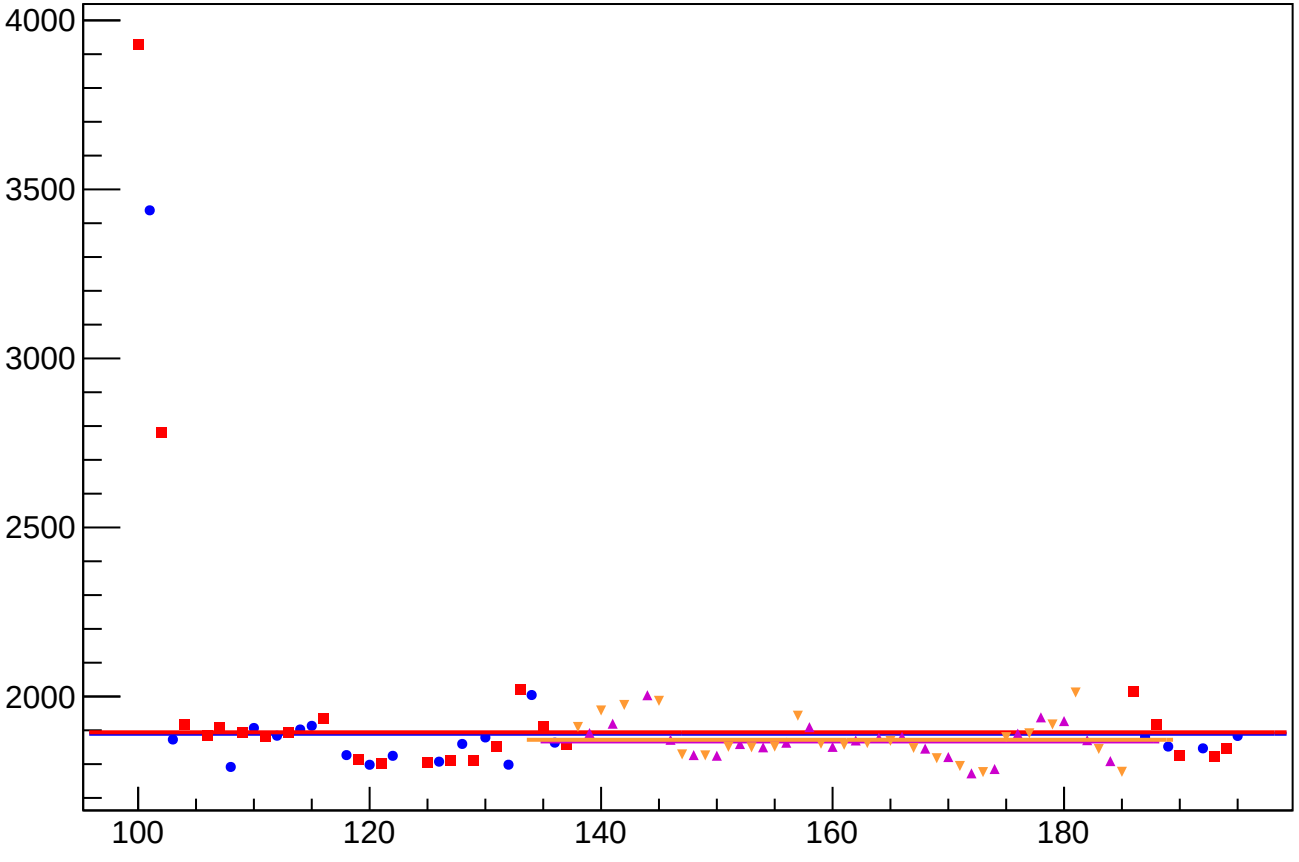
Right: 4333.963+/-422.564 χ^2/NDF: 31.6/42

In: 4718.554+/-354.515 χ^2/NDF:41.0/42

Out: 3414.518+/-349.457 χ^2/NDF:42.3/46

All: 4057.167+/-248.873 χ^2/NDF: 90.1/89

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1889.791+/-0.430 χ^2/NDF: 280399.0/19

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1894.122+/-0.415 χ^2/NDF: 158353.1/22

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

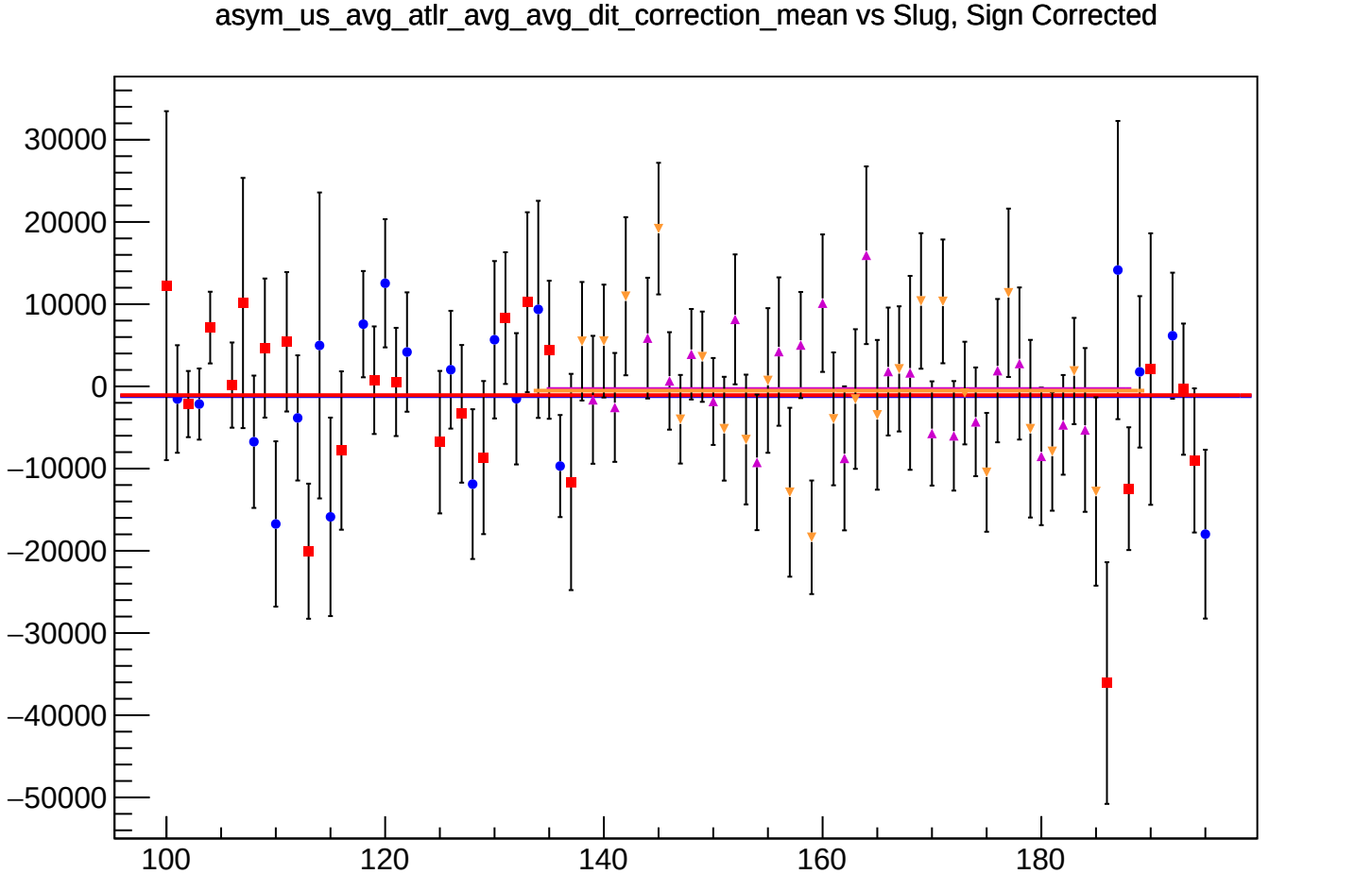
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1892.035+/-0.299 χ^2/NDF: 438804.6/42

In: 1874.789+/-0.251 χ^2/NDF:309486.3/42

Out: 1879.827+/-0.247 χ^2/NDF:197346.1/46

All: 1877.345+/-0.176 χ^2/NDF: 507037.3/89



Right In: -1186.561+/-1769.147 χ^2/NDF: 19.1/19

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -1068.123+/-1589.383 χ^2/NDF: 25.2/22

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

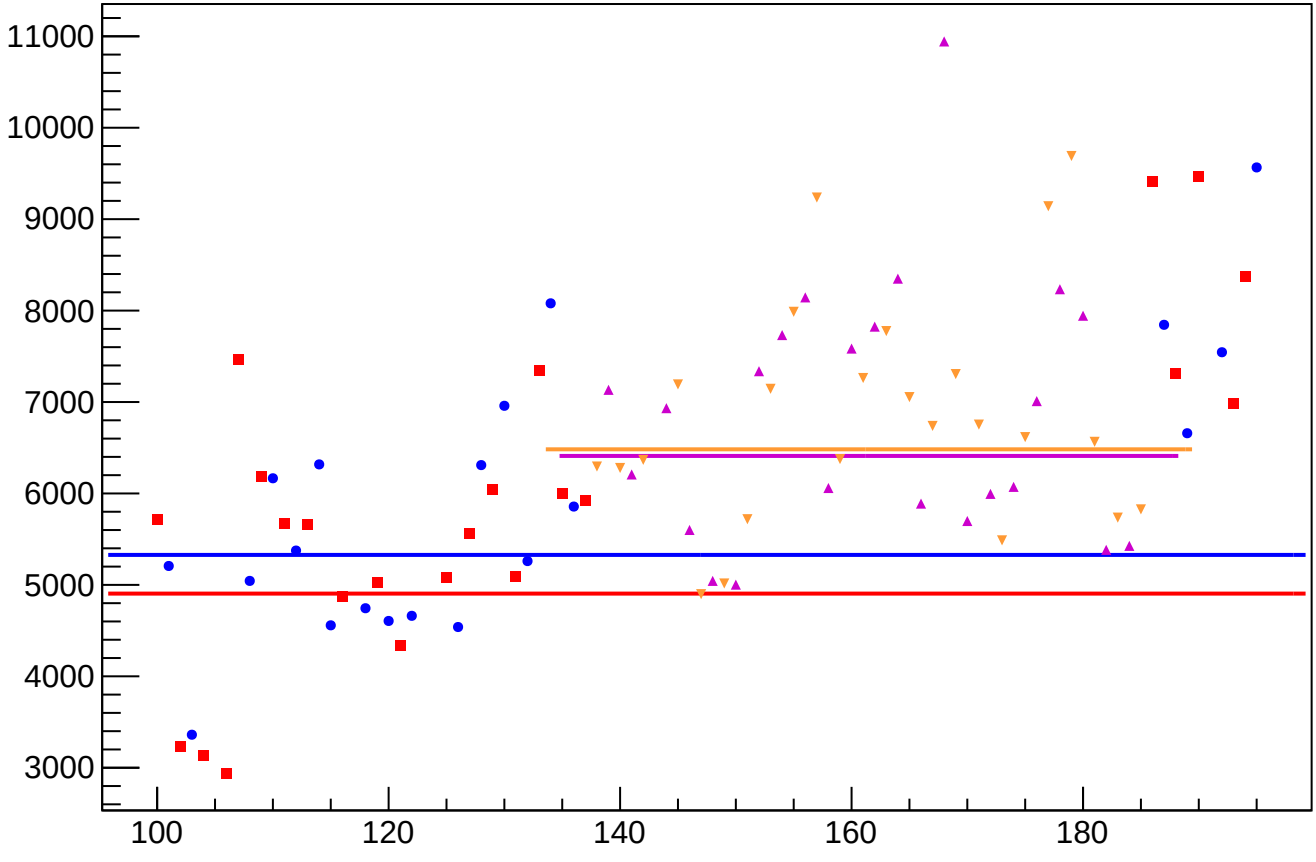
Right: -1121.021+/-1182.326 χ^2/NDF: 44.3/42

In: -692.886+/-1156.391 χ^2/NDF:32.7/42

Out: -784.977+/-1104.798 χ^2/NDF:54.4/46

All: -741.032+/-798.827 χ^2/NDF: 87.1/89

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5327.866+/-1.251 χ^2/NDF: 1288986.9/19

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 4904.696+/-1.124 χ^2/NDF: 2303246.2/22

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

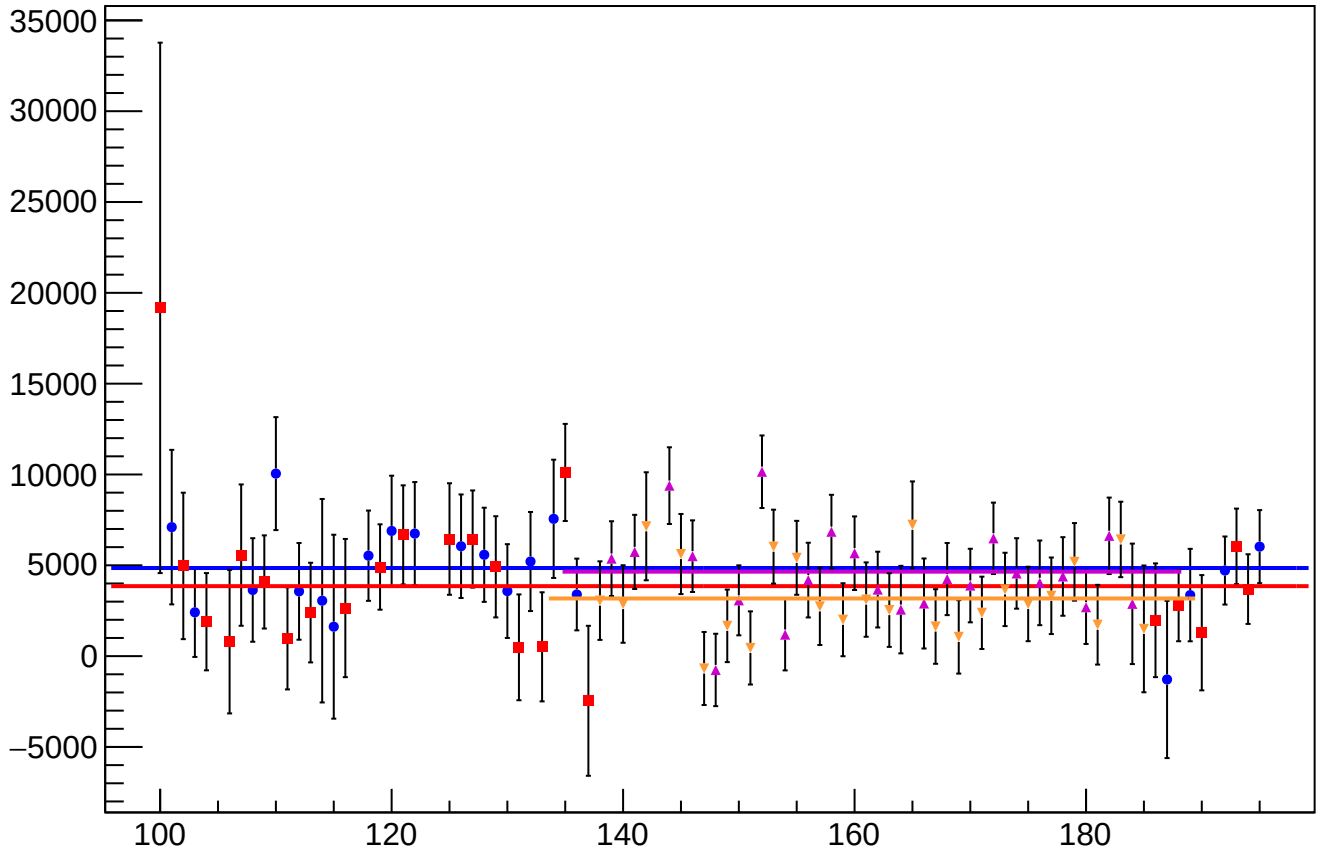
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5093.696+/-0.836 χ^2/NDF: 3655554.0/42

In: 5947.899+/-0.818 χ^2/NDF:2937726.9/42

Out: 5720.256+/-0.781 χ^2/NDF:4396762.9/46

All: 5828.886+/-0.565 χ^2/NDF: 7375009.5/89



Right In: 4851.053+/-608.477 χ^2/NDF: 10.4/19

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3852.271+/-587.277 χ^2/NDF: 19.8/22

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

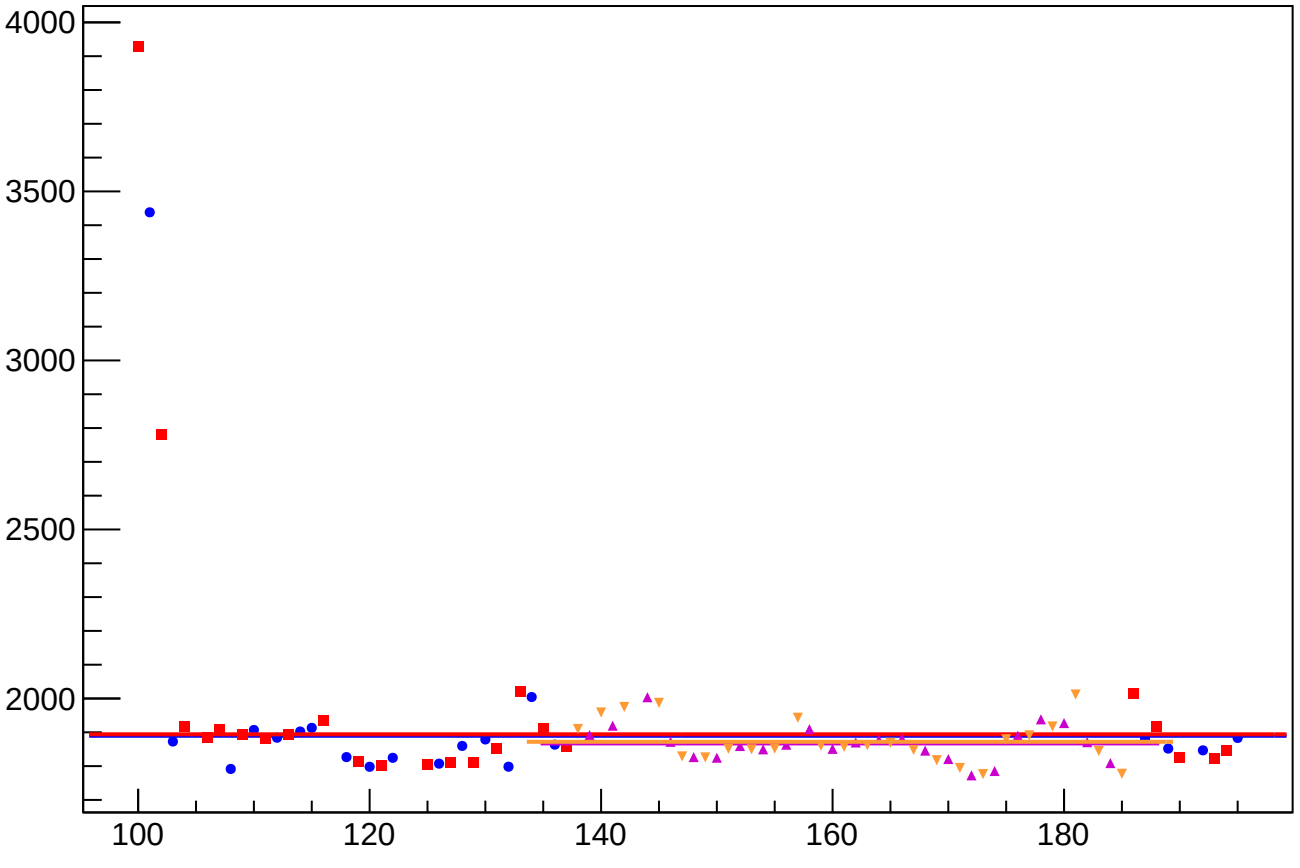
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4333.960+/-422.564 χ^2/NDF: 31.6/42

In: 4718.554+/-354.515 χ^2/NDF:41.0/42

Out: 3414.513+/-349.457 χ^2/NDF:42.3/46

All: 4057.164+/-248.873 χ^2/NDF: 90.1/89



Right In: 1889.790+/-0.430 χ^2/NDF: 280399.3/19

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1894.122+/-0.415 χ^2/NDF: 158352.2/22

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

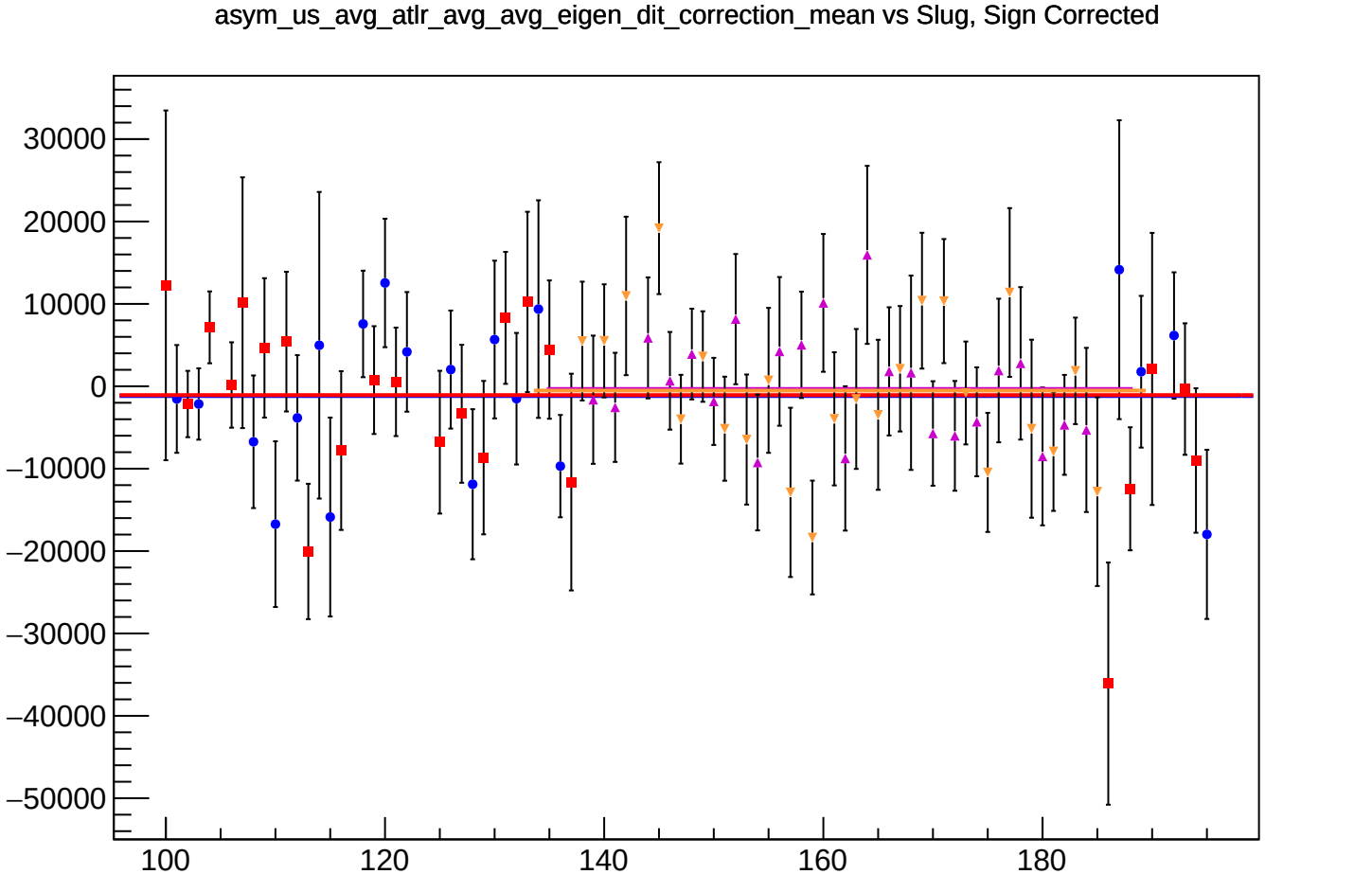
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1892.034+/-0.299 χ^2/NDF: 438804.0/42

In: 1874.789+/-0.251 χ^2/NDF:309487.4/42

Out: 1879.828+/-0.247 χ^2/NDF:197345.9/46

All: 1877.345+/-0.176 χ^2/NDF: 507038.2/89



Right In: -1186.551+/-1769.144 χ^2/NDF: 19.1/19

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -1068.116+/-1589.380 χ^2/NDF: 25.2/22

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

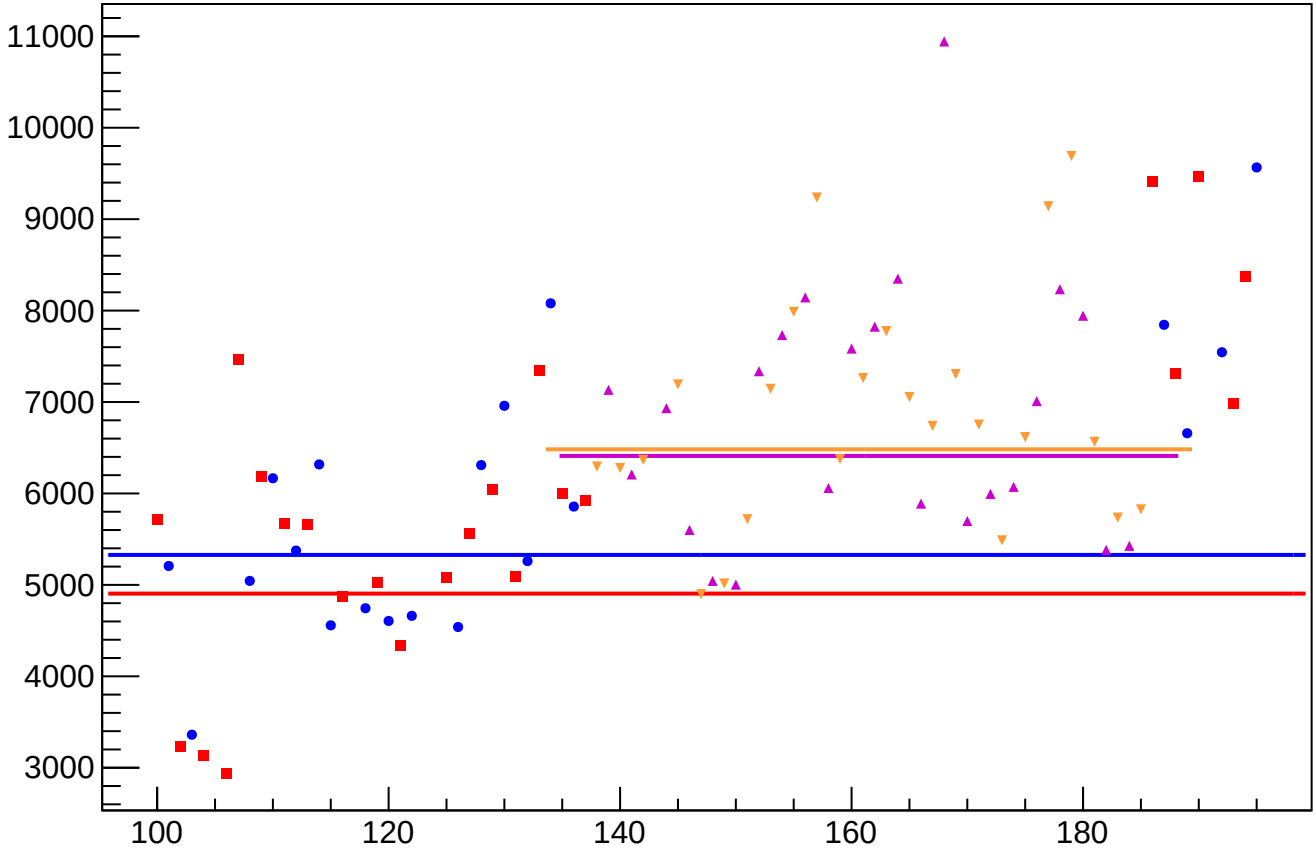
Right: -1121.013+/-1182.323 χ^2/NDF: 44.3/42

In: -692.885+/-1156.391 χ^2/NDF:32.7/42

Out: -784.978+/-1104.798 χ^2/NDF:54.4/46

All: -741.032+/-798.827 χ^2/NDF: 87.1/89

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5327.853+/-1.251 χ^2/NDF: 1288998.4/19

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4904.685+/-1.124 χ^2/NDF: 2303255.6/22

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

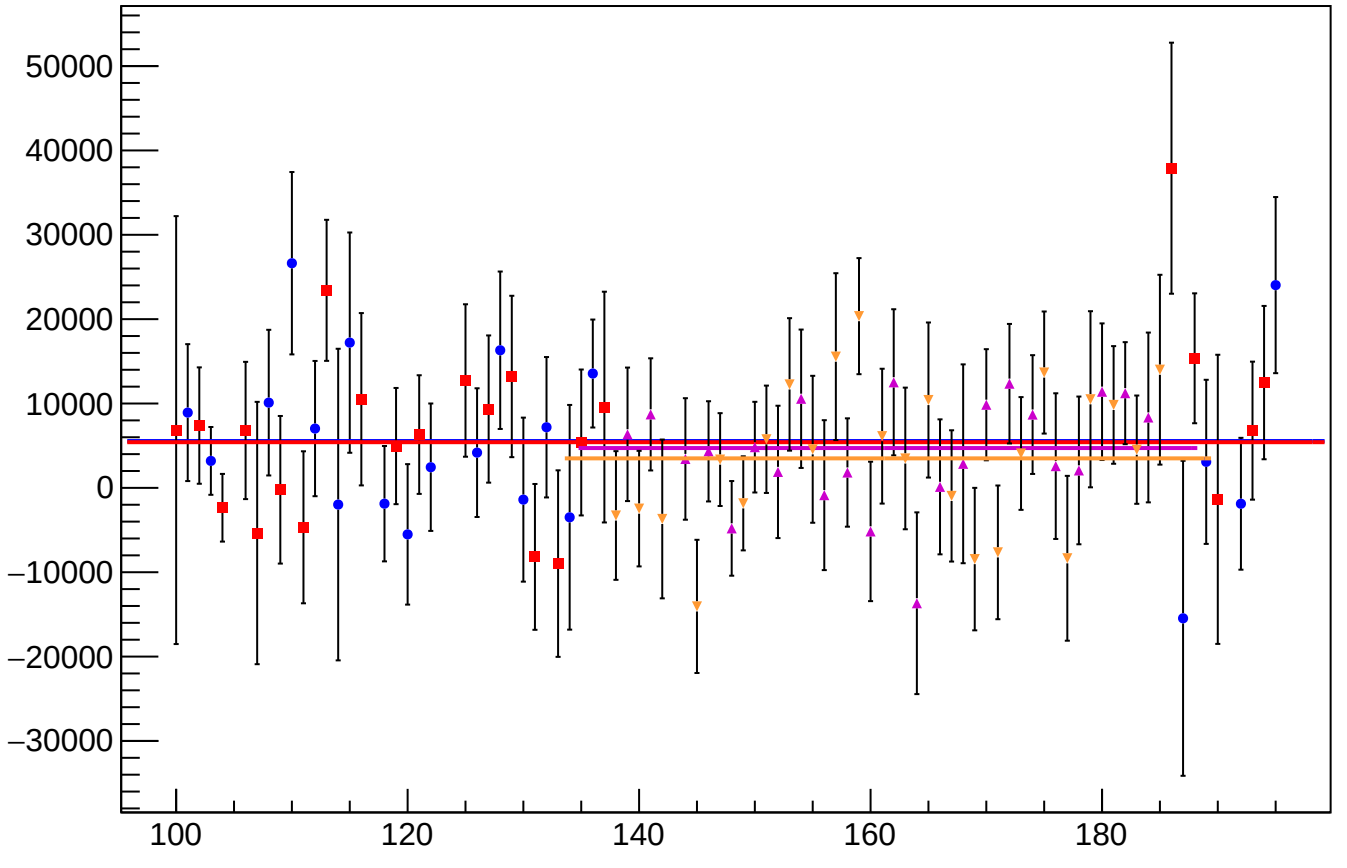
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5093.684+/-0.836 χ^2/NDF: 3655574.9/42

In: 5947.897+/-0.818 χ^2/NDF:2937759.8/42

Out: 5720.253+/-0.781 χ^2/NDF:4396803.8/46

All: 5828.884+/-0.565 χ^2/NDF: 7375083.9/89



Right In: 5549.688+/-1827.254 χ^2/NDF: 18.0/19

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5415.003+/-1759.696 χ^2/NDF: 23.9/22

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

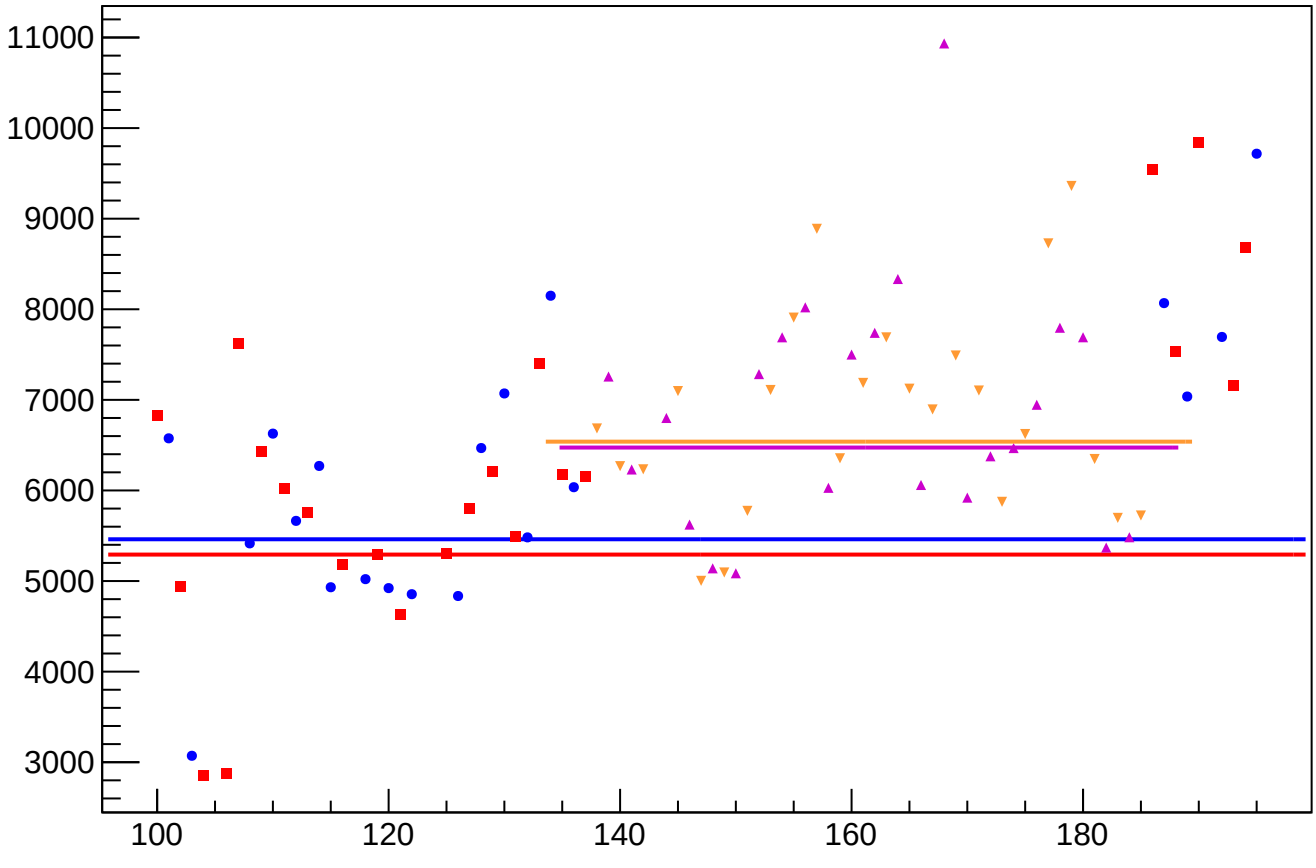
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5479.809+/-1267.503 χ^2/NDF: 41.9/42

In: 5064.089+/-1177.195 χ^2/NDF:32.4/42

Out: 4332.522+/-1161.363 χ^2/NDF:52.1/46

All: 4693.353+/-826.748 χ^2/NDF: 84.7/89



Right In: 5461.047+/-1.292 χ^2/NDF: 1582830.8/19

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5292.086+/-1.223 χ^2/NDF: 2160292.5/22

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

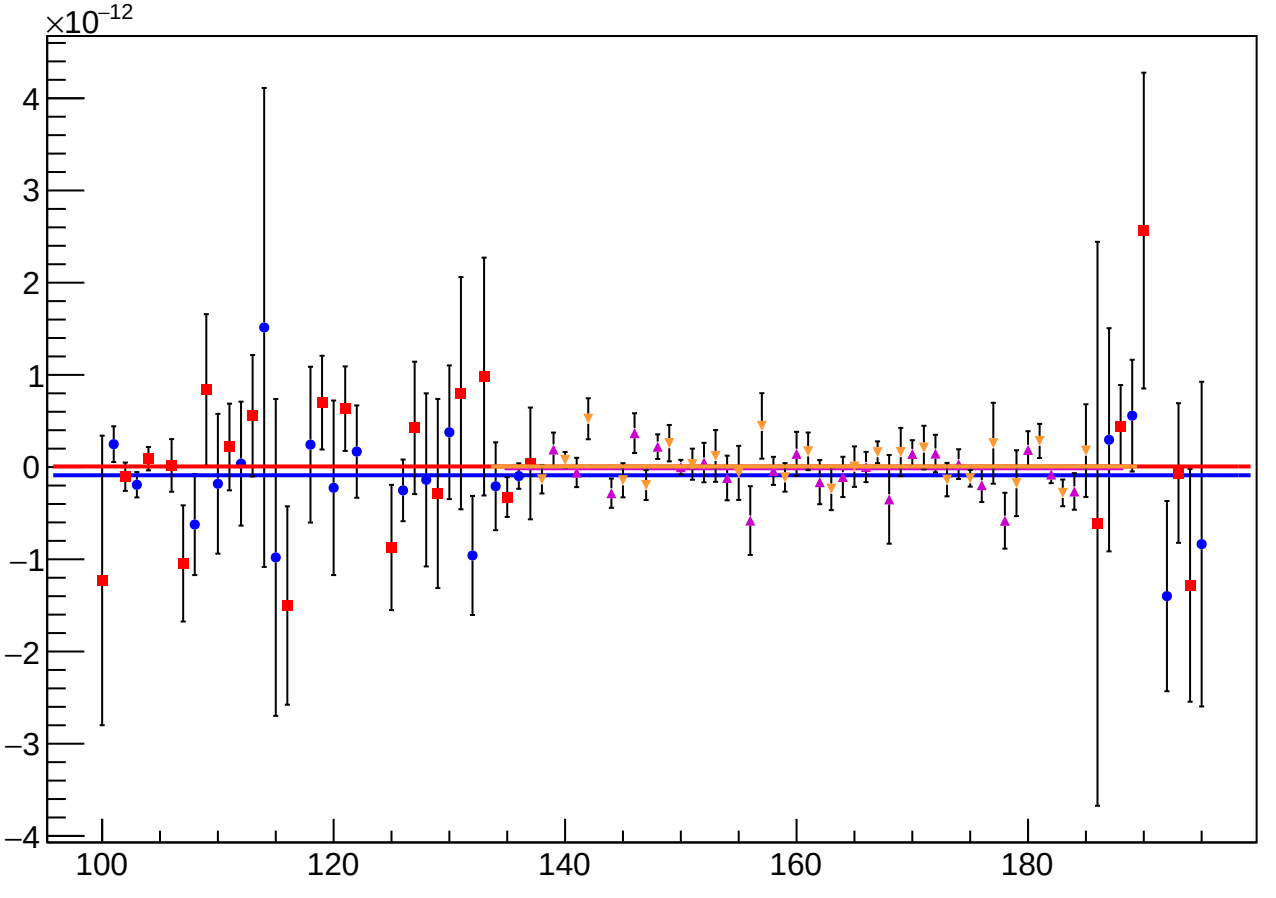
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5371.942+/-0.888 χ^2/NDF: 3752141.9/42

In: 6053.264+/-0.832 χ^2/NDF:3013751.8/42

Out: 5985.187+/-0.815 χ^2/NDF:3658427.3/46

All: 6018.508+/-0.582 χ^2/NDF: 6675594.0/89



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/22

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

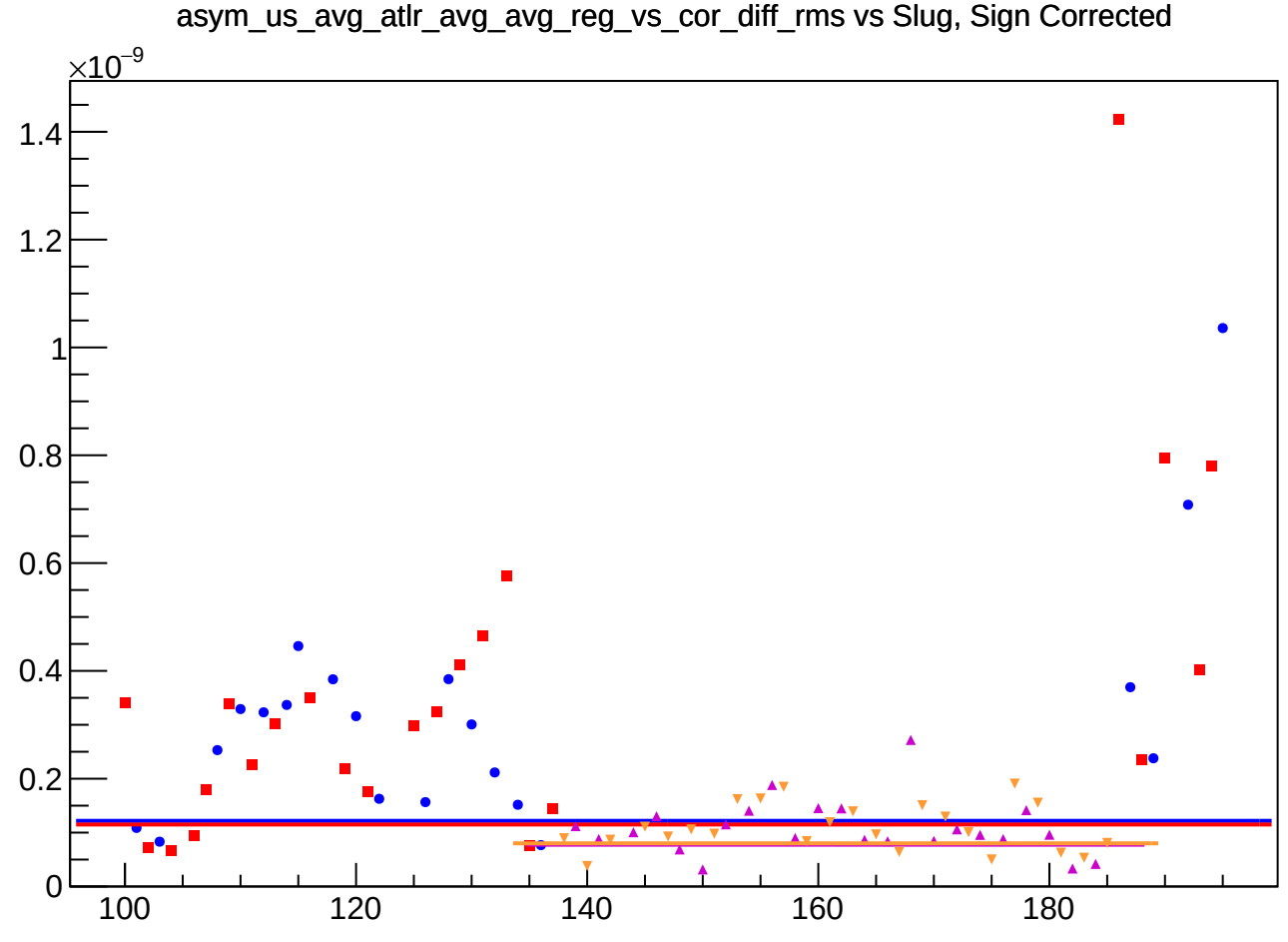
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 33.7/42

In: -0.000+/-0.000 χ^2/NDF:36.0/42

Out: 0.000+/-0.000 χ^2/NDF:48.8/46

All: -0.000+/-0.000 χ^2/NDF: 85.4/89



Right In: 0.000+/-0.000 χ^2/NDF: 2888598.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3792019.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

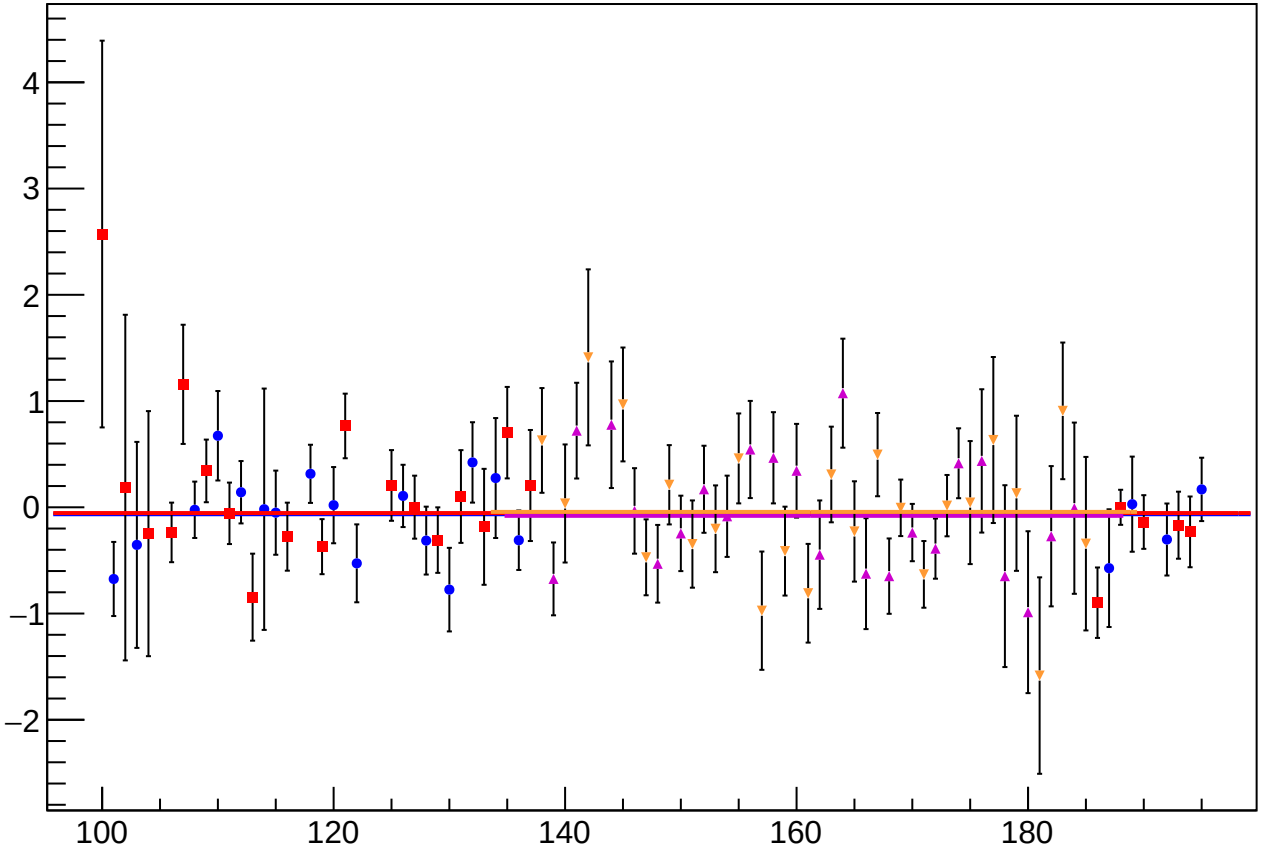
Right: 0.000+/-0.000 χ^2/NDF: 6688572.0/42

In: 0.000+/-0.000 χ^2/NDF:6085205.7/42

Out: 0.000+/-0.000 χ^2/NDF:6297393.2/46

All: 0.000+/-0.000 χ^2/NDF: 12384435.2/89

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

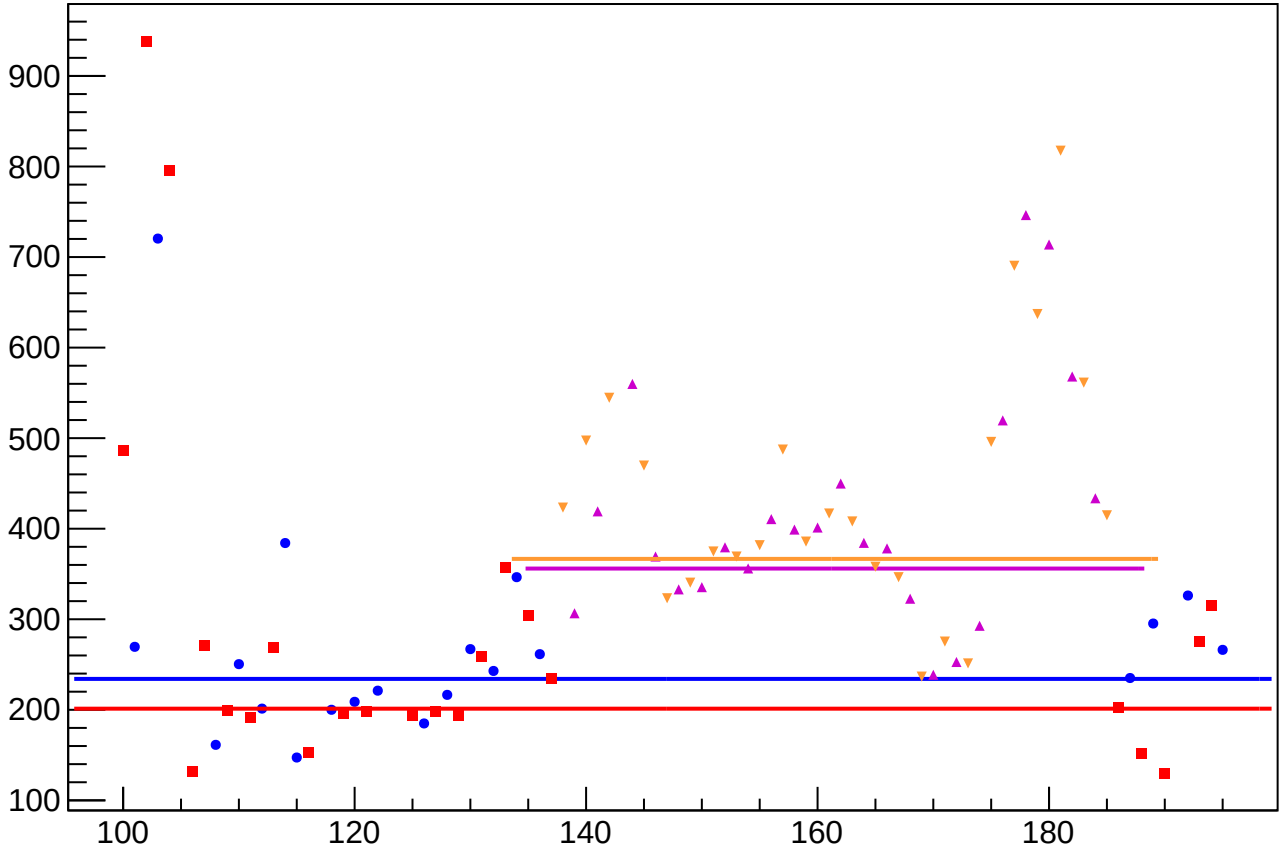
Right: -0.059+/-0.052 χ^2/NDF: 53.3/42

In: -0.072+/-0.059 χ^2/NDF:49.6/42

Out: -0.050+/-0.055 χ^2/NDF:65.0/46

All: -0.060+/-0.040 χ^2/NDF: 114.7/89

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 234.128+/-0.057 χ^2/NDF: 1260844.1/19

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 201.249+/-0.049 χ^2/NDF: 2253138.3/22

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

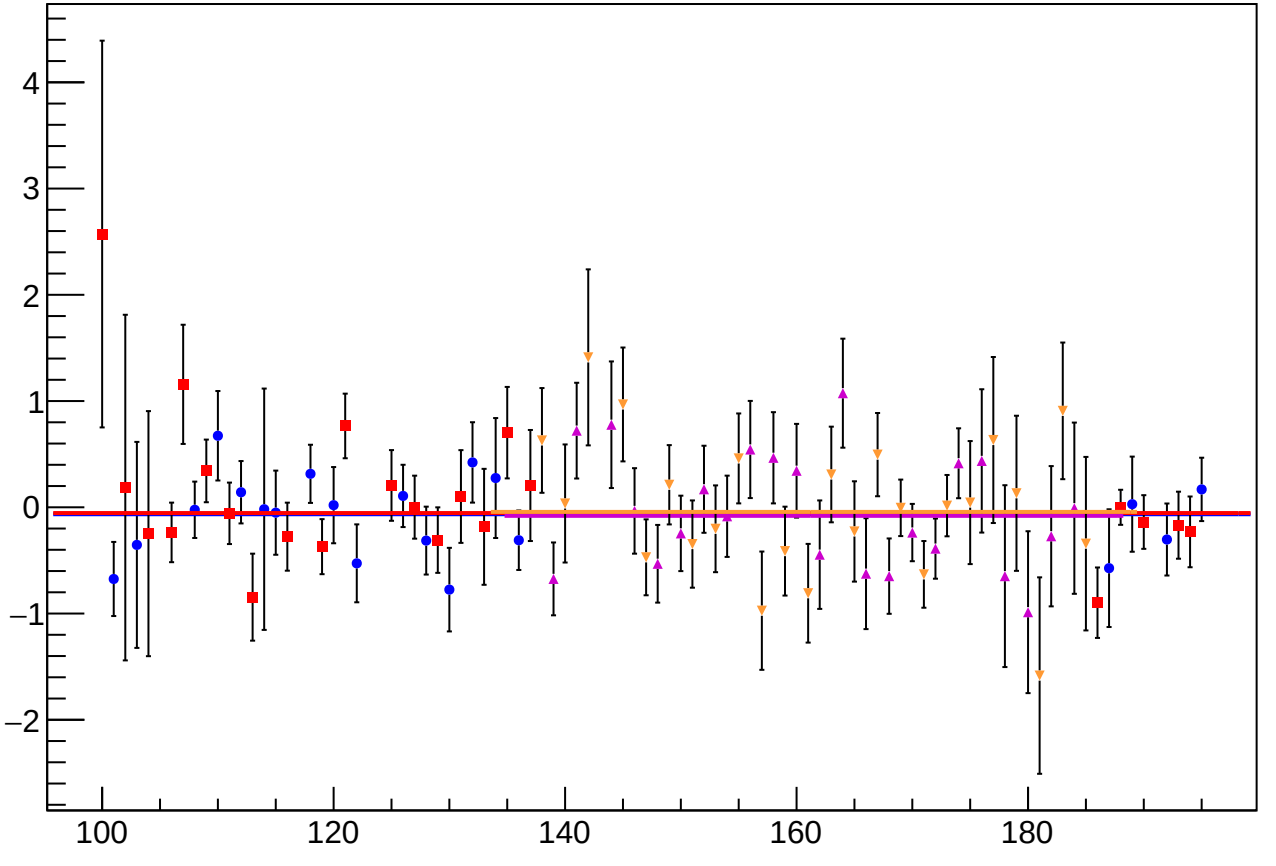
Right: 215.180+/-0.037 χ^2/NDF: 3707645.8/42

In: 289.591+/-0.042 χ^2/NDF:5782454.7/42

Out: 261.848+/-0.039 χ^2/NDF:9332598.4/46

All: 274.635+/-0.028 χ^2/NDF: 15351764.8/89

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

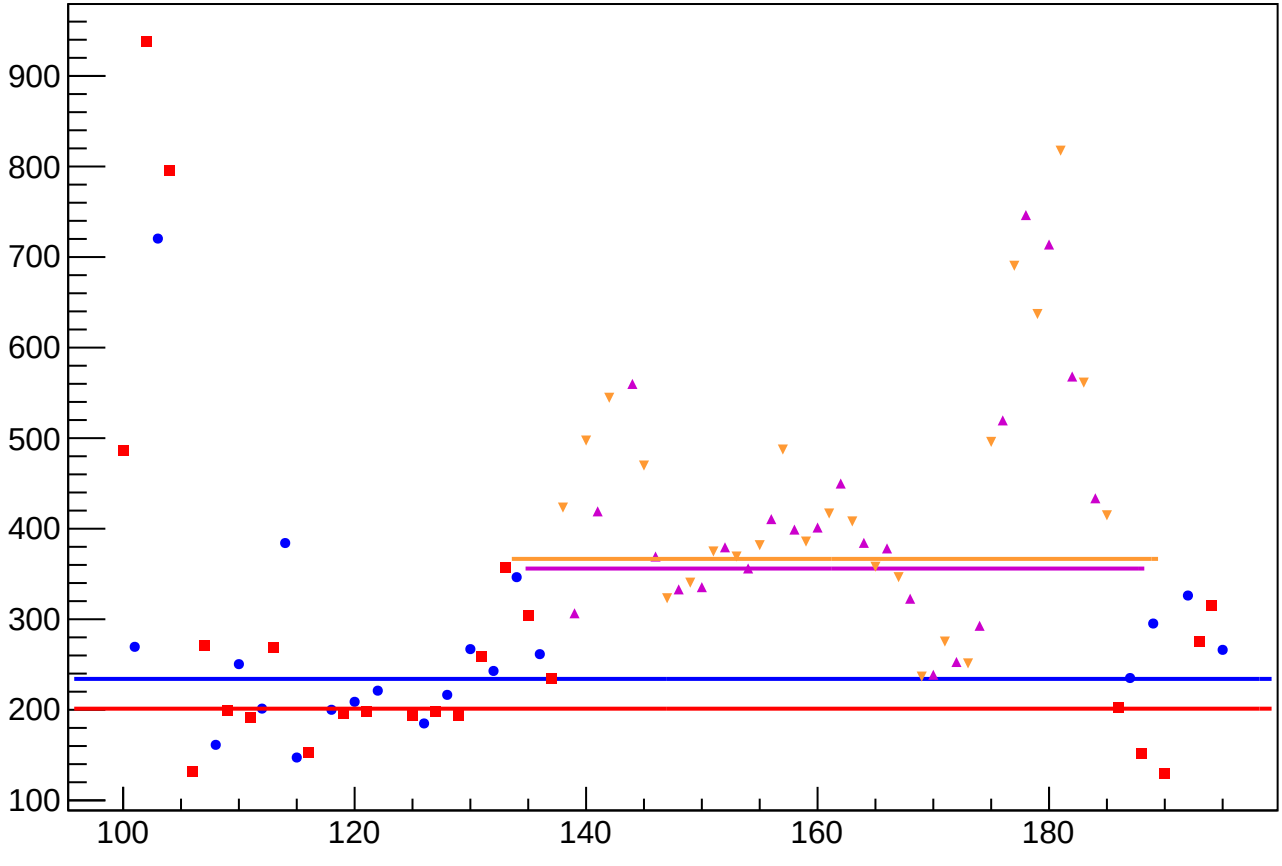
Right: -0.059+/-0.052 χ^2/NDF: 53.3/42

In: -0.072+/-0.059 χ^2/NDF:49.6/42

Out: -0.050+/-0.055 χ^2/NDF:65.0/46

All: -0.060+/-0.040 χ^2/NDF: 114.7/89

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 234.128+/-0.057 χ^2/NDF: 1260844.1/19

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 201.249+/-0.049 χ^2/NDF: 2253138.3/22

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

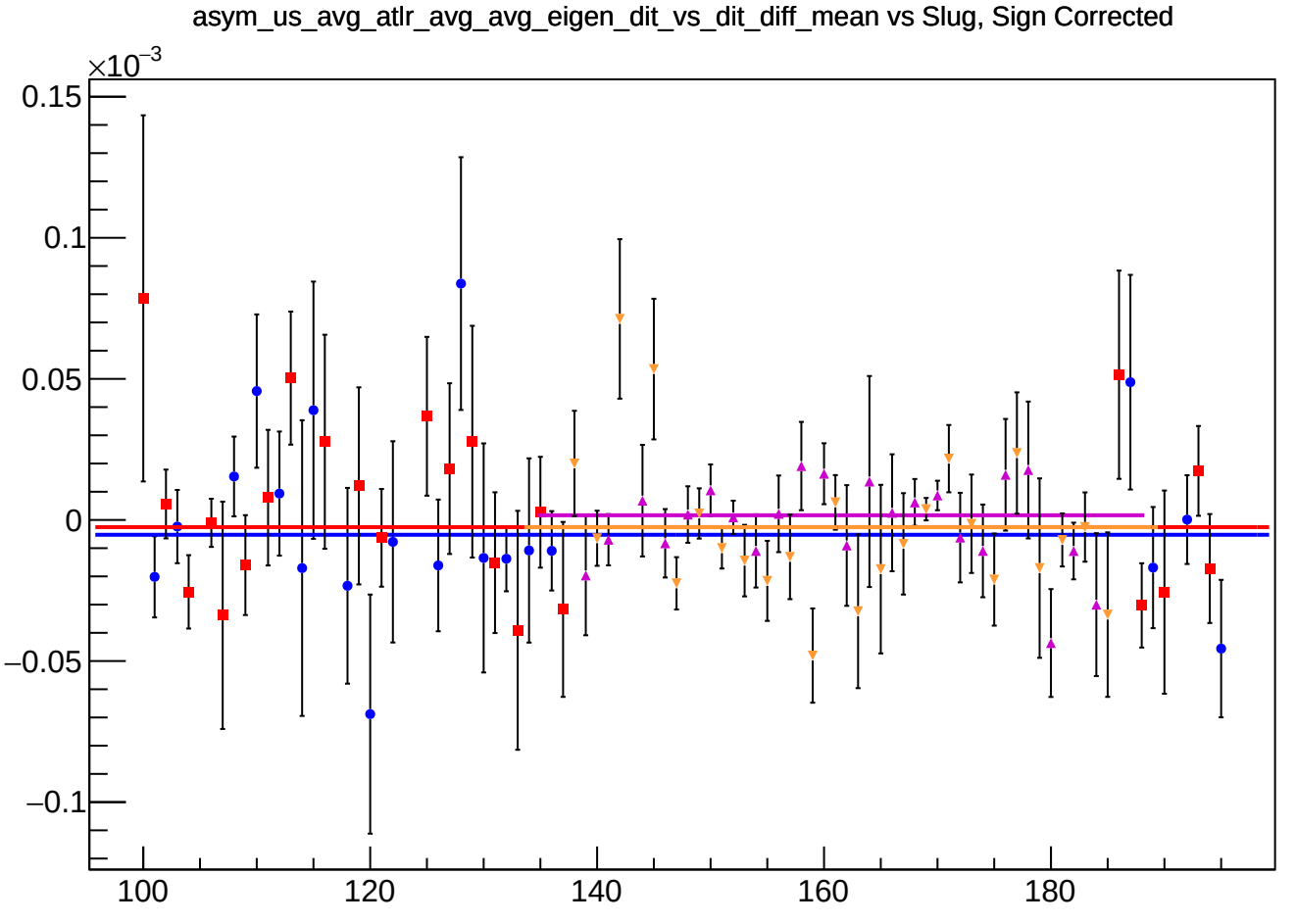
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 215.180+/-0.037 χ^2/NDF: 3707645.8/42

In: 289.591+/-0.042 χ^2/NDF:5782454.7/42

Out: 261.848+/-0.039 χ^2/NDF:9332598.4/46

All: 274.635+/-0.028 χ^2/NDF: 15351764.8/89



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/22

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

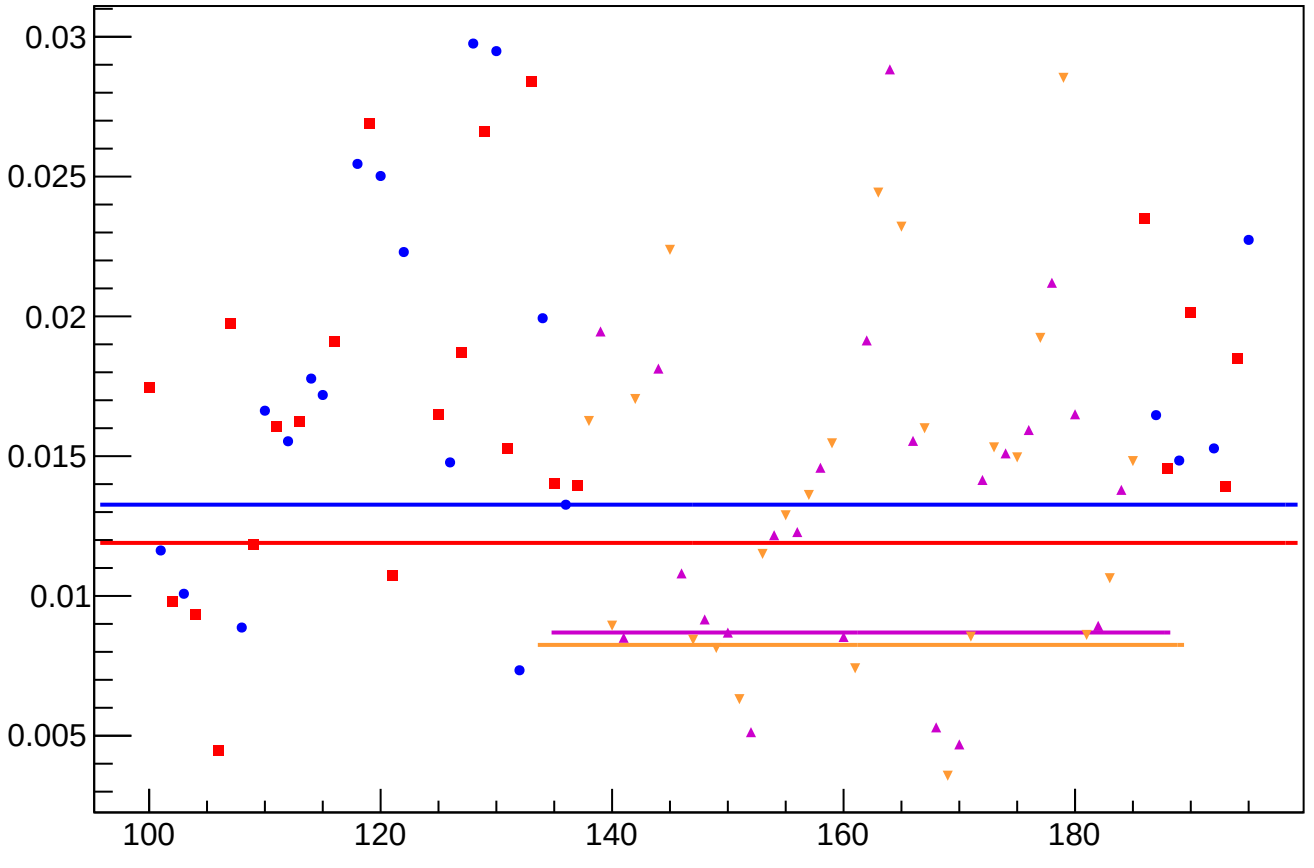
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 46.5/42

In: 0.000+/-0.000 χ^2/NDF:43.3/42

Out: -0.000+/-0.000 χ^2/NDF:69.0/46

All: -0.000+/-0.000 χ^2/NDF: 113.2/89



Right In: 0.013+/-0.000 χ^2/NDF: 2520524.0/19

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 3735669.4/22

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

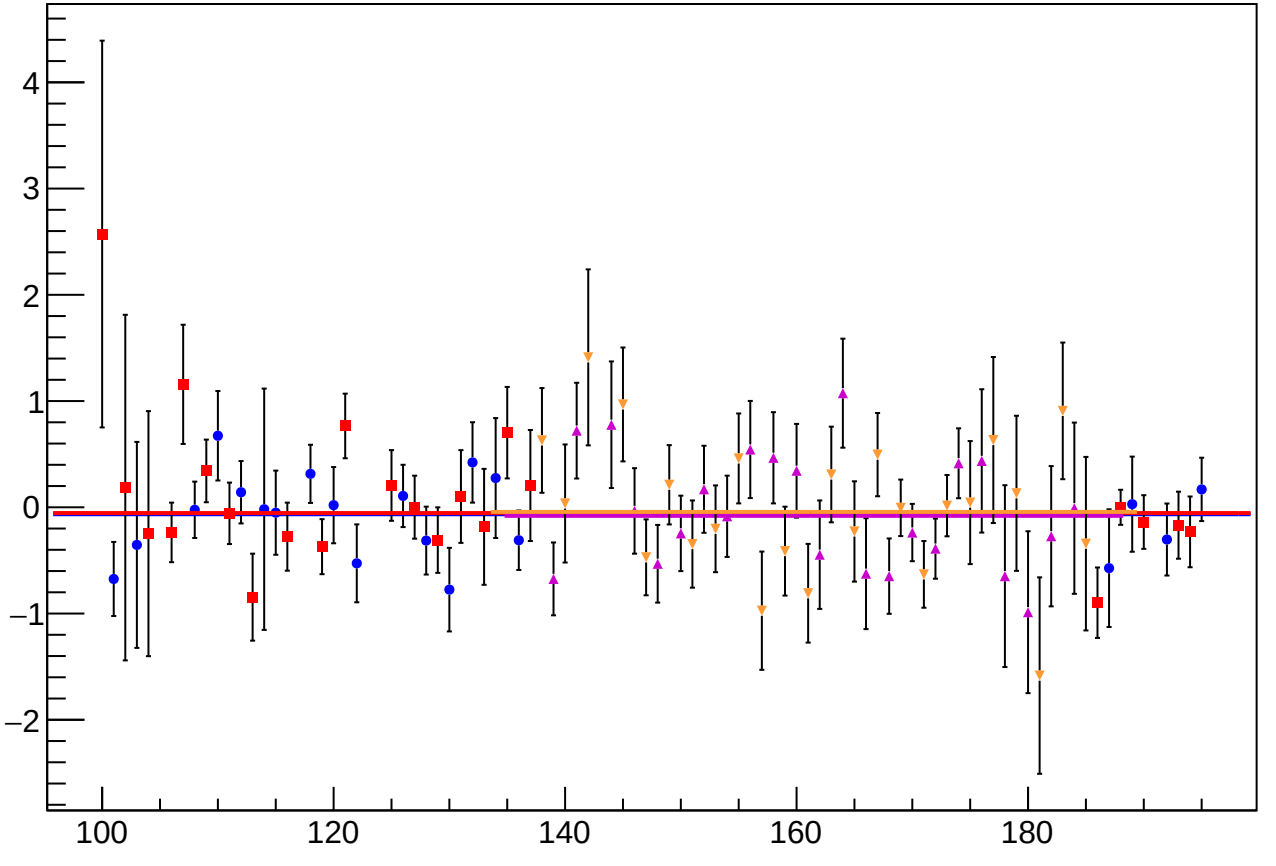
Right: 0.012+/-0.000 χ^2/NDF: 6355182.6/42

In: 0.010+/-0.000 χ^2/NDF:10962055.4/42

Out: 0.009+/-0.000 χ^2/NDF:13838558.5/46

All: 0.009+/-0.000 χ^2/NDF: 24868037.4/89

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

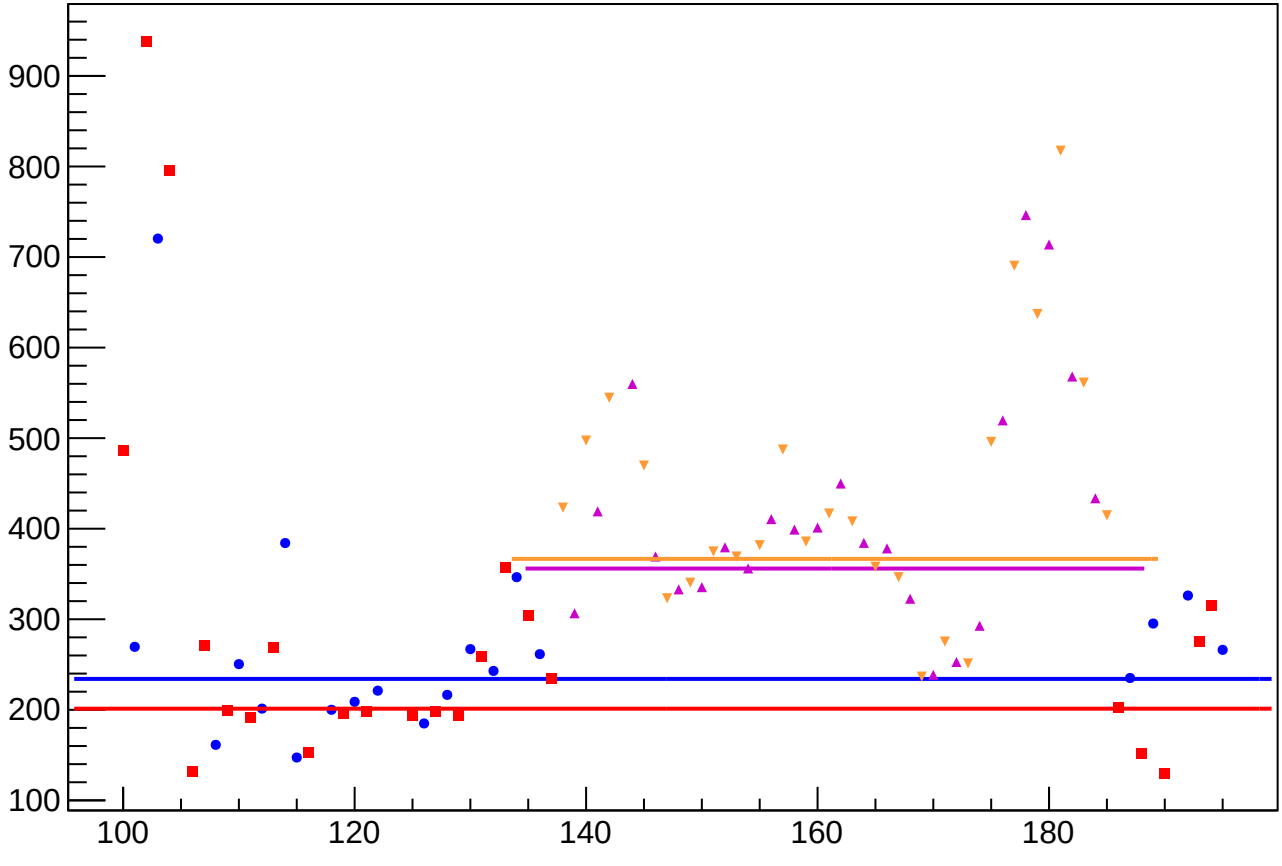
Right: -0.059+/-0.052 χ^2/NDF: 53.3/42

In: -0.072+/-0.059 χ^2/NDF:49.6/42

Out: -0.050+/-0.055 χ^2/NDF:65.0/46

All: -0.060+/-0.040 χ^2/NDF: 114.7/89

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 234.127+/-0.057 χ^2/NDF: 1260829.6/19

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 201.246+/-0.049 χ^2/NDF: 2253153.9/22

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

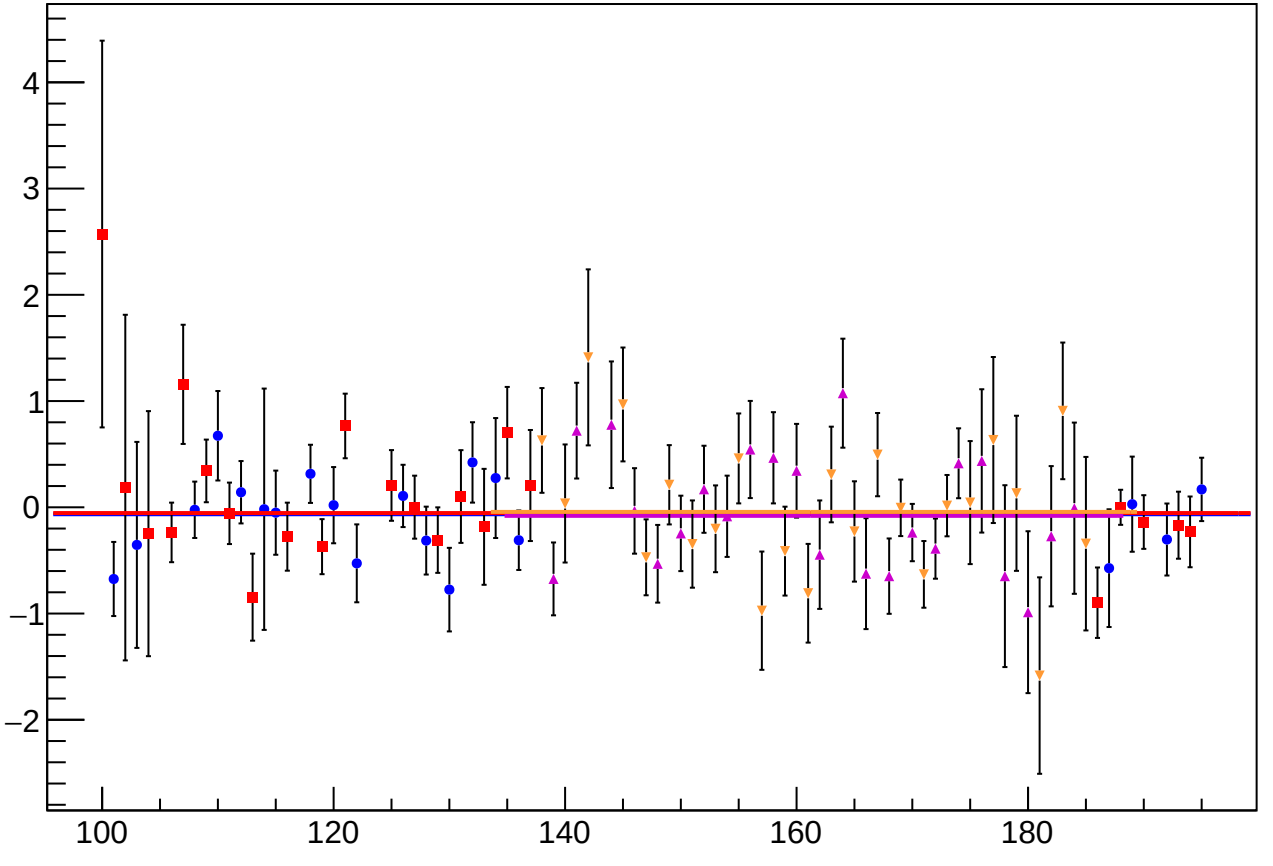
Right: 215.177+/-0.037 χ^2/NDF: 3707669.5/42

In: 289.590+/-0.042 χ^2/NDF:5782710.5/42

Out: 261.844+/-0.039 χ^2/NDF:9333039.1/46

All: 274.632+/-0.028 χ^2/NDF: 15352501.1/89

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.080 χ^2/NDF: 19.3/19

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

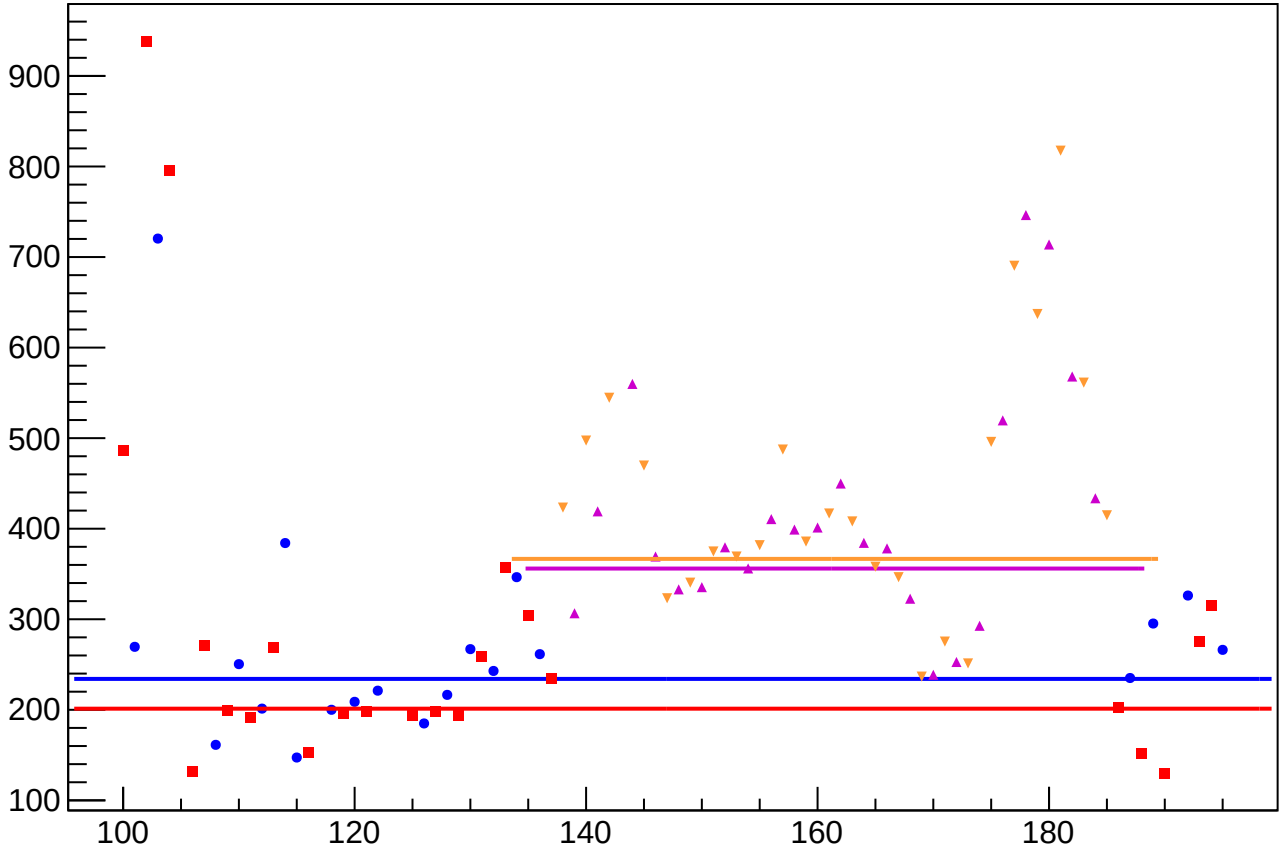
Right: -0.059+/-0.052 χ^2/NDF: 53.3/42

In: -0.072+/-0.059 χ^2/NDF:49.6/42

Out: -0.050+/-0.055 χ^2/NDF:65.0/46

All: -0.060+/-0.040 χ^2/NDF: 114.7/89

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 234.127+/-0.057 χ^2/NDF: 1260829.6/19

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 201.246+/-0.049 χ^2/NDF: 2253153.9/22

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

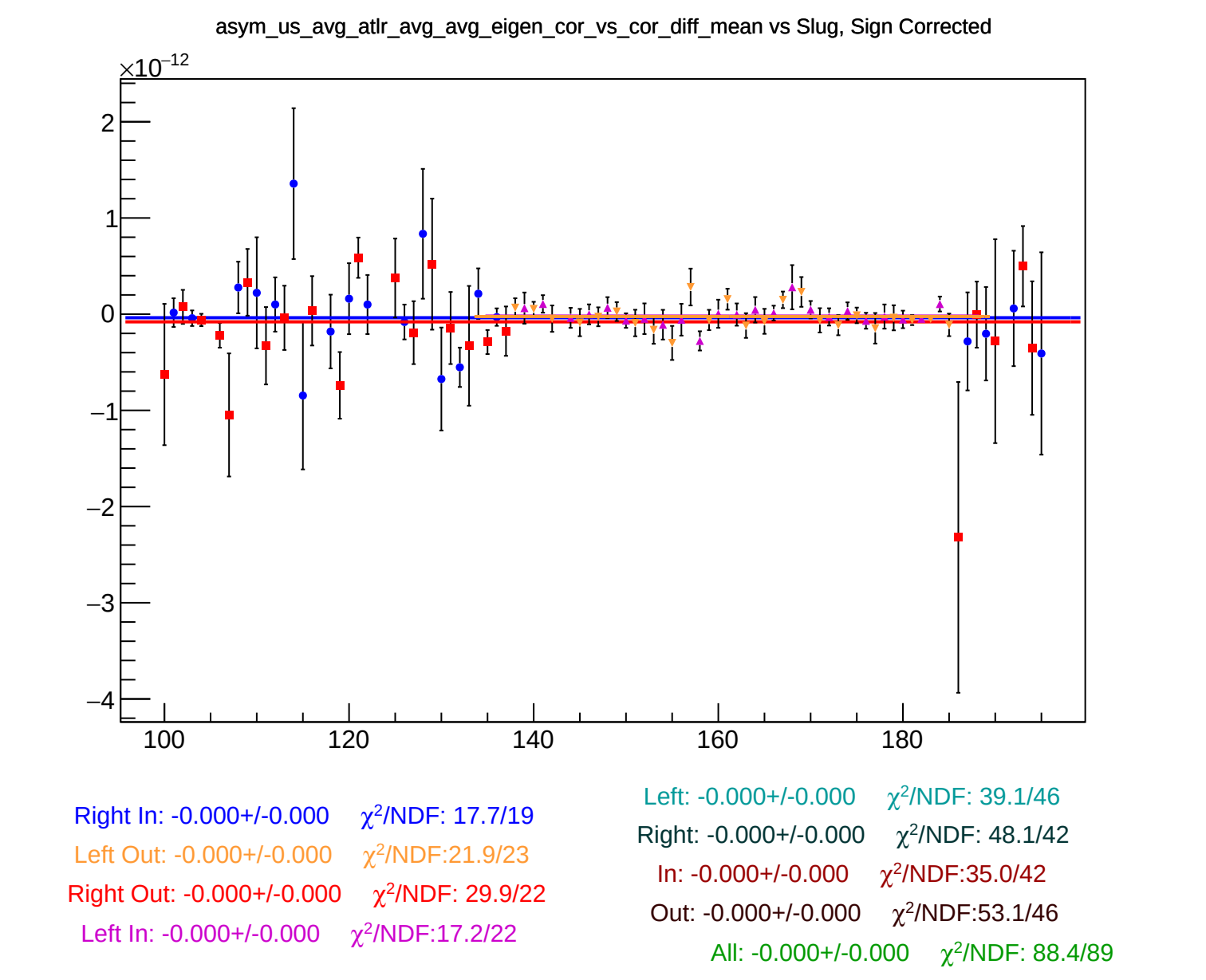
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

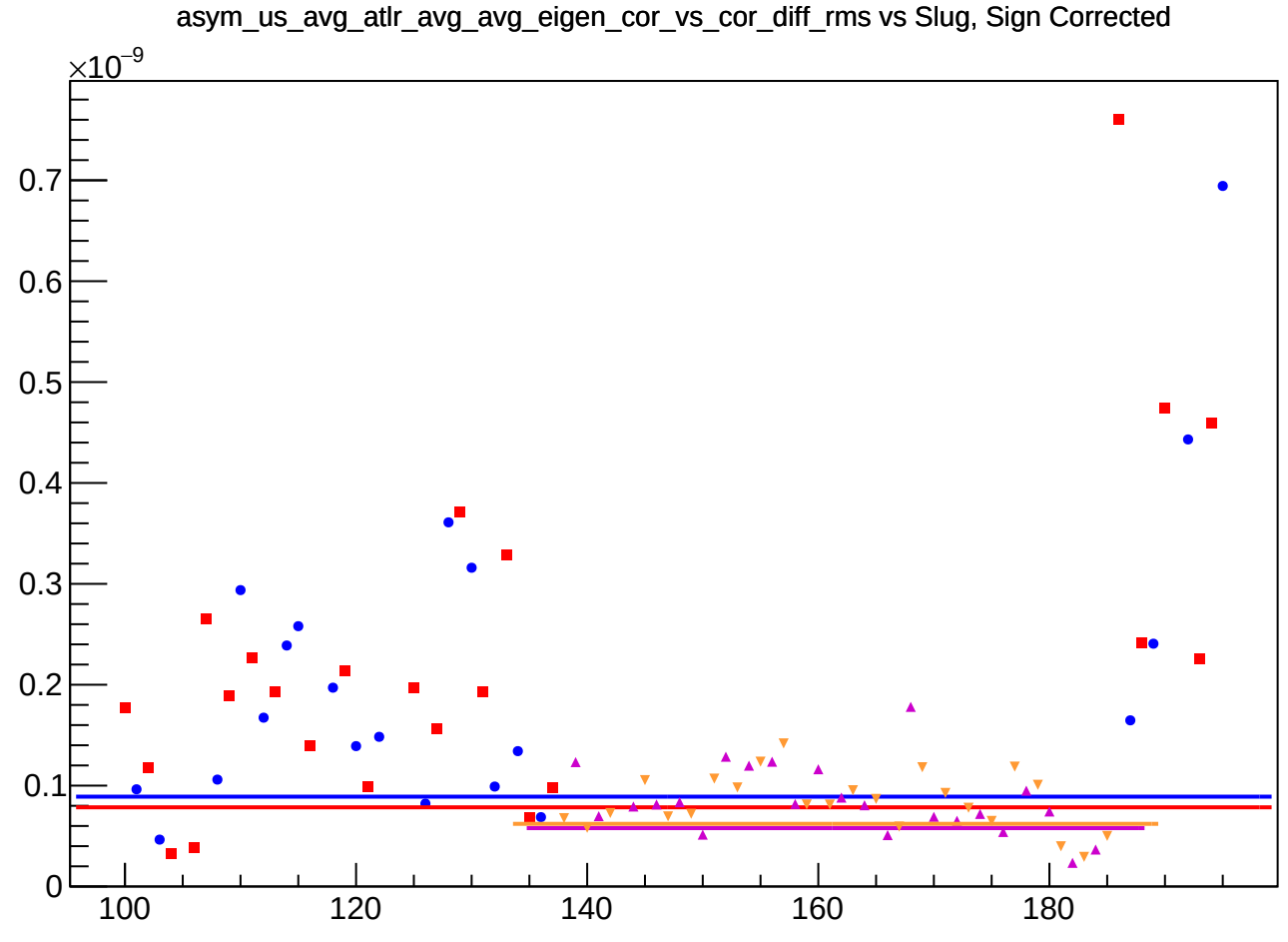
Right: 215.177+/-0.037 χ^2/NDF: 3707669.5/42

In: 289.590+/-0.042 χ^2/NDF:5782710.5/42

Out: 261.844+/-0.039 χ^2/NDF:9333039.1/46

All: 274.632+/-0.028 χ^2/NDF: 15352501.1/89


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 17.7/19
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 29.9/22
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 48.1/42
In: -0.000+/-0.000 χ²/NDF:35.0/42
Out: -0.000+/-0.000 χ²/NDF:53.1/46
All: -0.000+/-0.000 χ²/NDF: 88.4/89



Right In: 0.000+/-0.000 χ^2/NDF: 3860693.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5734207.7/22

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

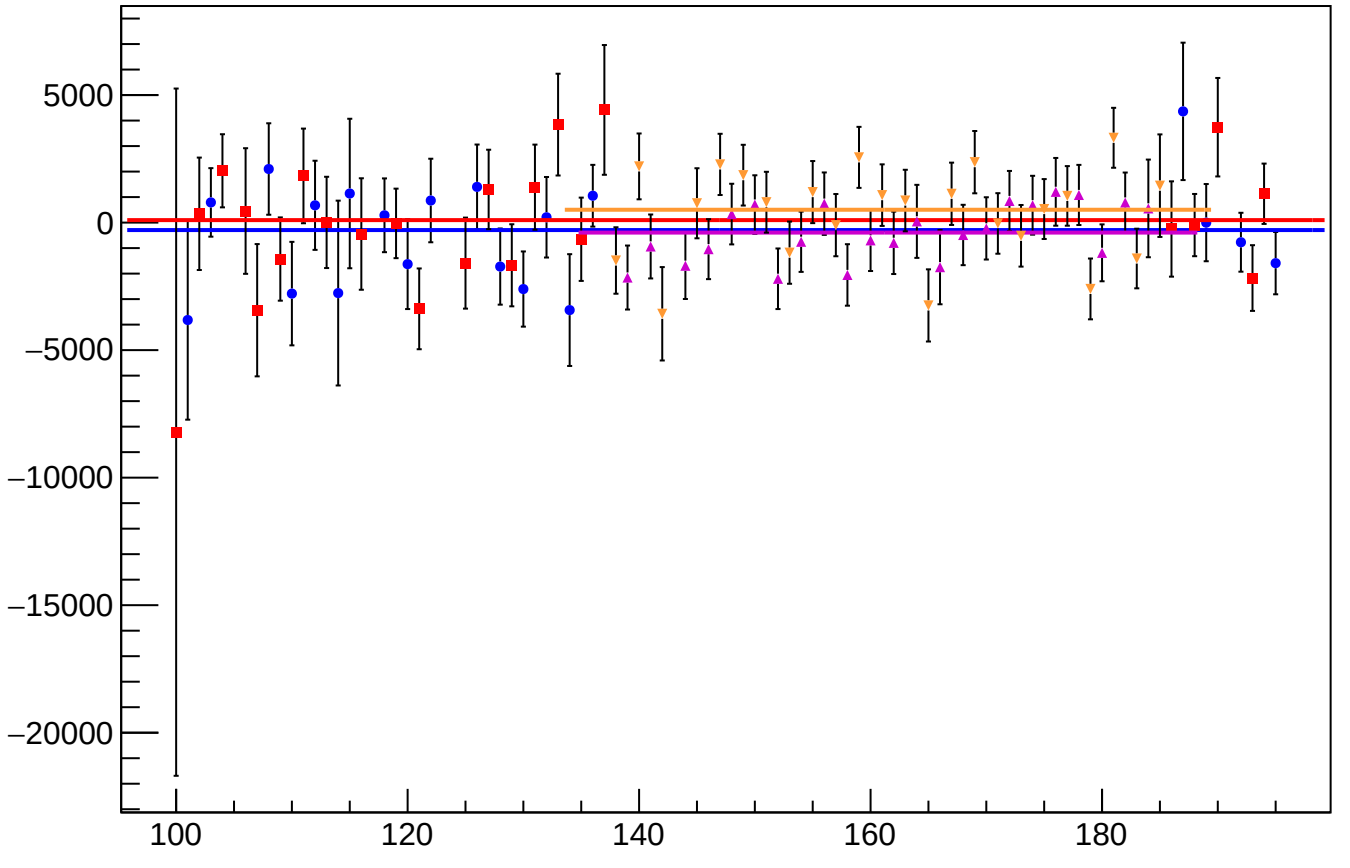
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 9649788.0/42

In: 0.000+/-0.000 χ^2/NDF:10151761.5/42

Out: 0.000+/-0.000 χ^2/NDF:10071166.9/46

All: 0.000+/-0.000 χ^2/NDF: 20247289.4/89



Right In: -292.842+/-367.005 χ^2/NDF: 19.1/19

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 97.220+/-355.035 χ^2/NDF: 28.1/22

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

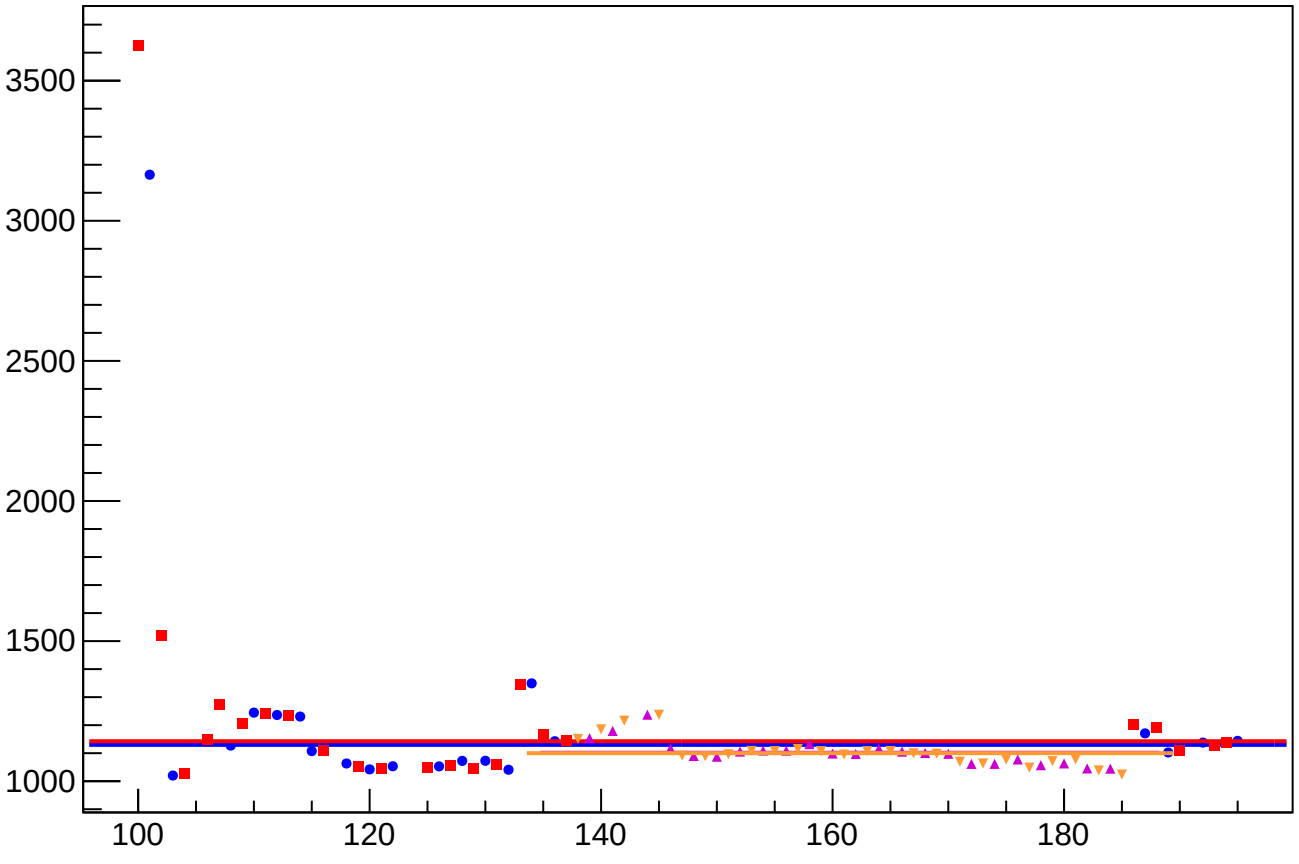
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -91.346+/-255.174 χ^2/NDF: 47.9/42

In: -359.109+/-210.729 χ^2/NDF:37.0/42

Out: 364.928+/-207.398 χ^2/NDF:73.6/46

All: 8.677+/-147.816 χ^2/NDF: 116.6/89



Right In: 1129.741+/-0.260 χ^2/NDF: 622908.3/19

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1142.622+/-0.251 χ^2/NDF: 226658.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

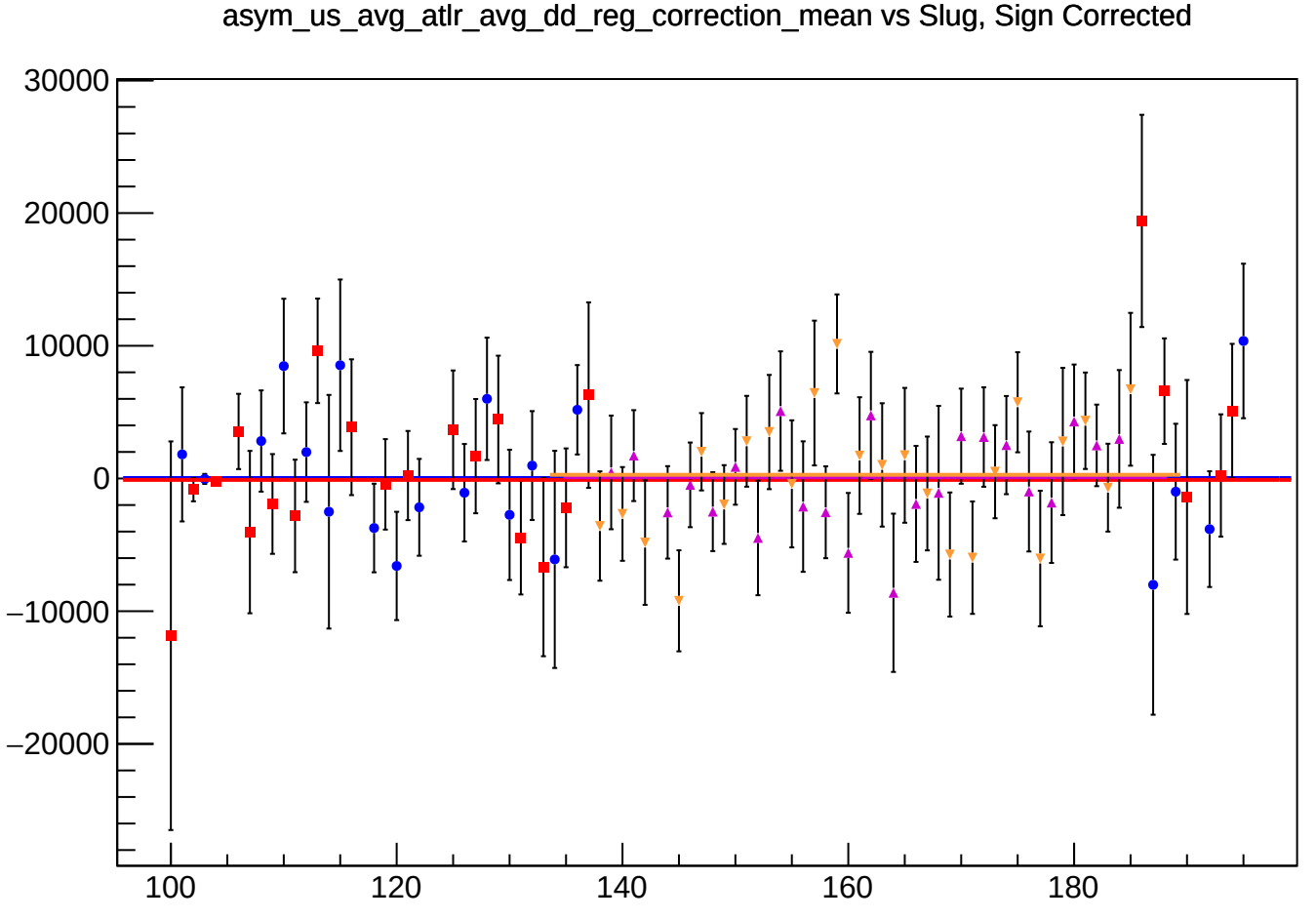
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

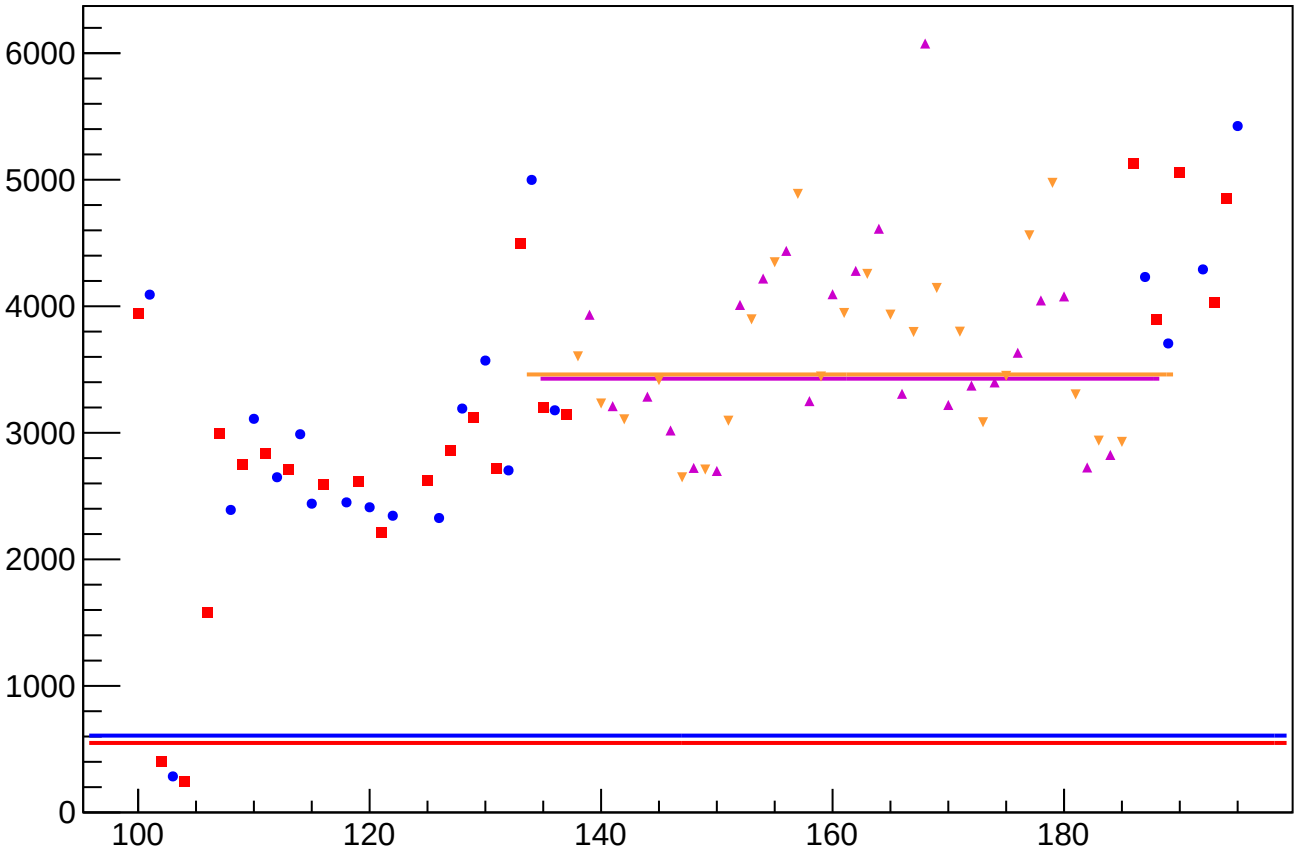
Right: 1136.403+/-0.180 χ^2/NDF: 850841.2/42

In: 1110.831+/-0.149 χ^2/NDF:682975.9/42

Out: 1114.610+/-0.147 χ^2/NDF:304354.8/46

All: 1112.751+/-0.104 χ^2/NDF: 987657.6/89


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 35.582+/-354.699 χ²/NDF: 19.5/19
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -104.996+/-319.603 χ²/NDF: 25.6/22
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -42.004+/-237.434 χ²/NDF: 45.1/42
In: 44.959+/-325.373 χ²/NDF:33.2/42
Out: -54.606+/-297.808 χ²/NDF:55.6/46
All: -9.219+/-219.682 χ²/NDF: 88.8/89



Right In: 607.263+/-0.251 χ^2/NDF: 13548605.7/19

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 549.229+/-0.226 χ^2/NDF: 14458786.9/22

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

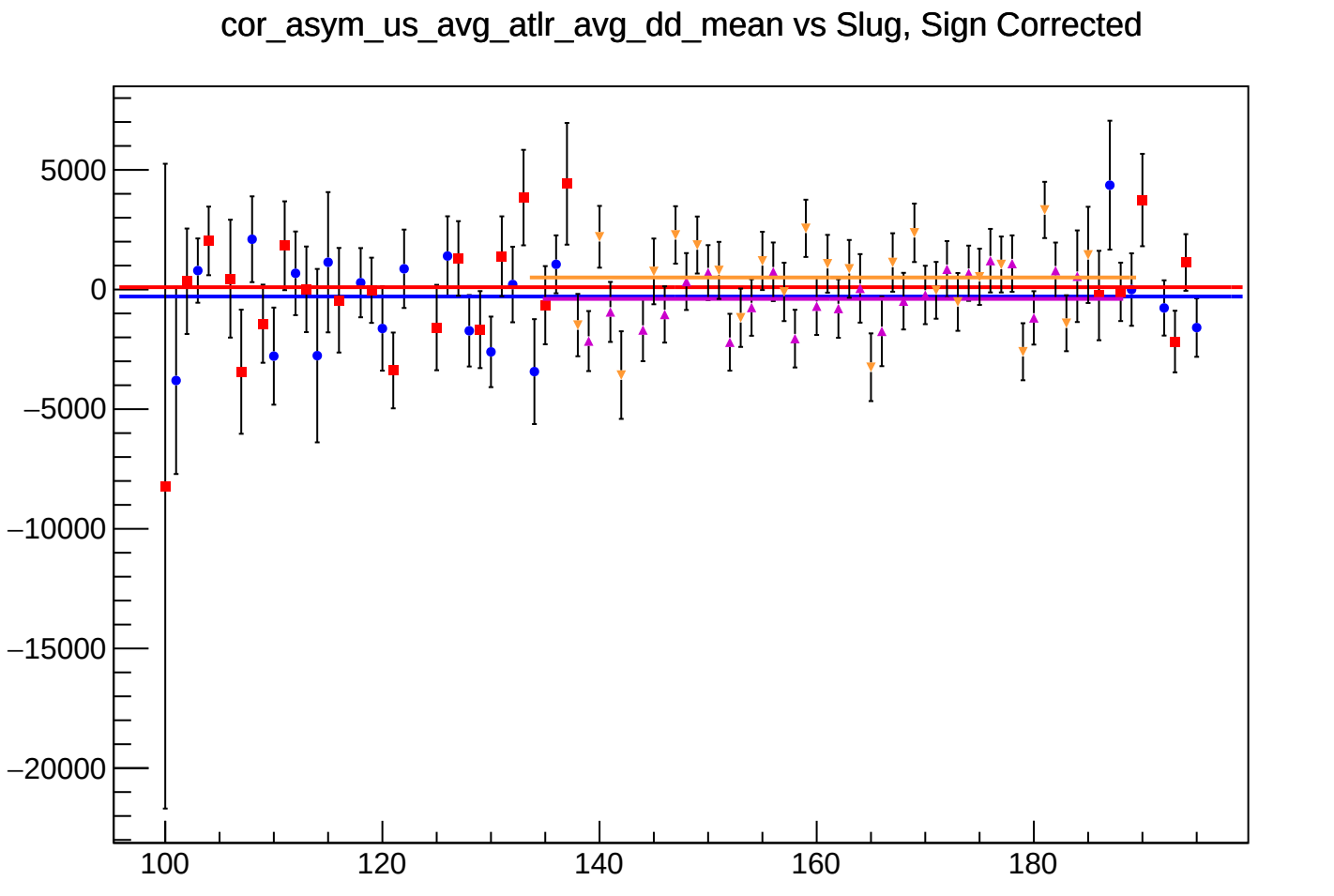
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

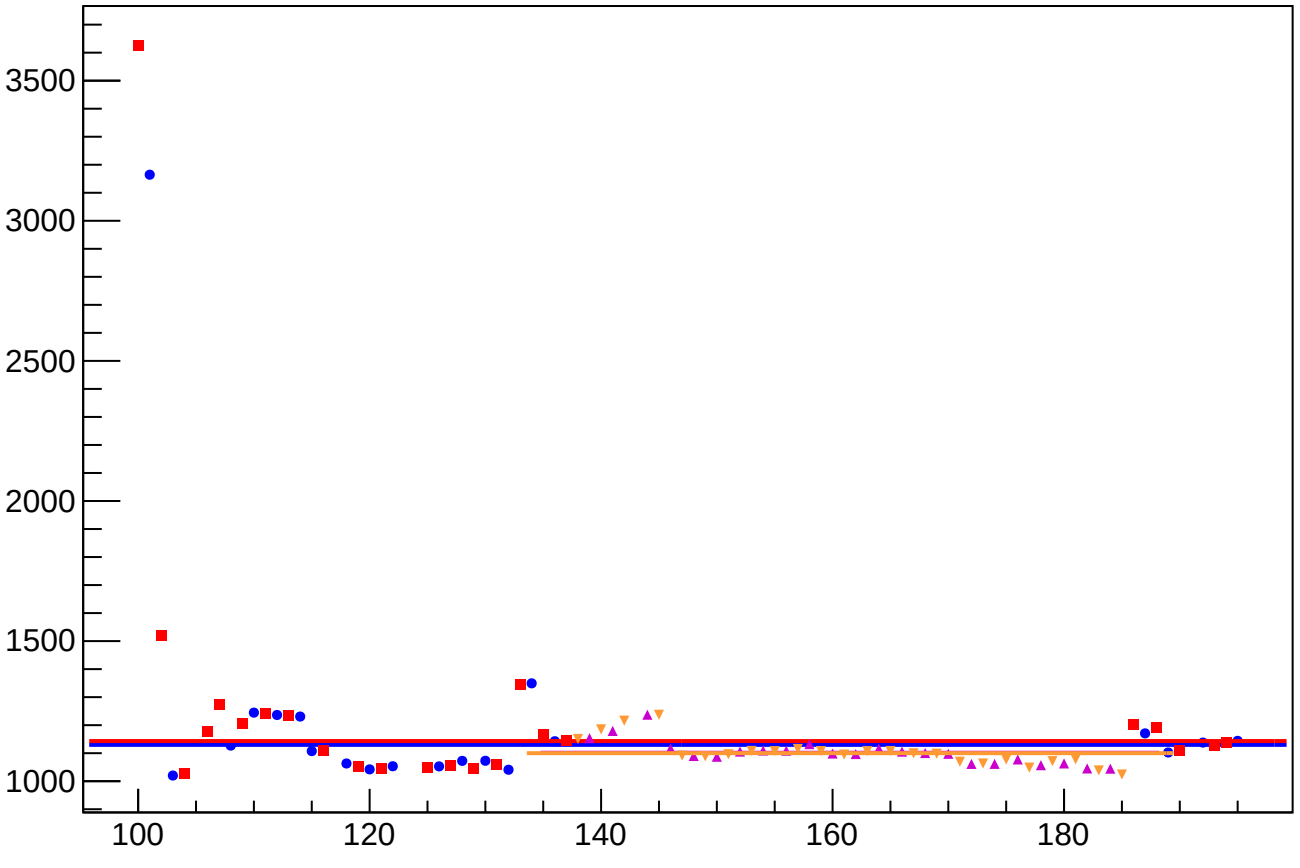
Right: 575.234+/-0.168 χ^2/NDF: 28036941.1/42

In: 1054.382+/-0.230 χ^2/NDF:34839930.3/42

Out: 932.856+/-0.211 χ^2/NDF:37390738.9/46

All: 988.254+/-0.155 χ^2/NDF: 72382486.5/89


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
Right In: -292.711+/-367.005 χ²/NDF: 19.1/19
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 97.318+/-355.035 χ²/NDF: 28.2/22
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: -91.233+/-255.174 χ²/NDF: 47.9/42
In: -359.057+/-210.729 χ²/NDF:37.0/42
Out: 365.010+/-207.398 χ²/NDF:73.6/46
All: 8.744+/-147.816 χ²/NDF: 116.6/89



Right In: 1129.741+/-0.260 χ^2/NDF: 622909.4/19

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1143.283+/-0.251 χ^2/NDF: 227083.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

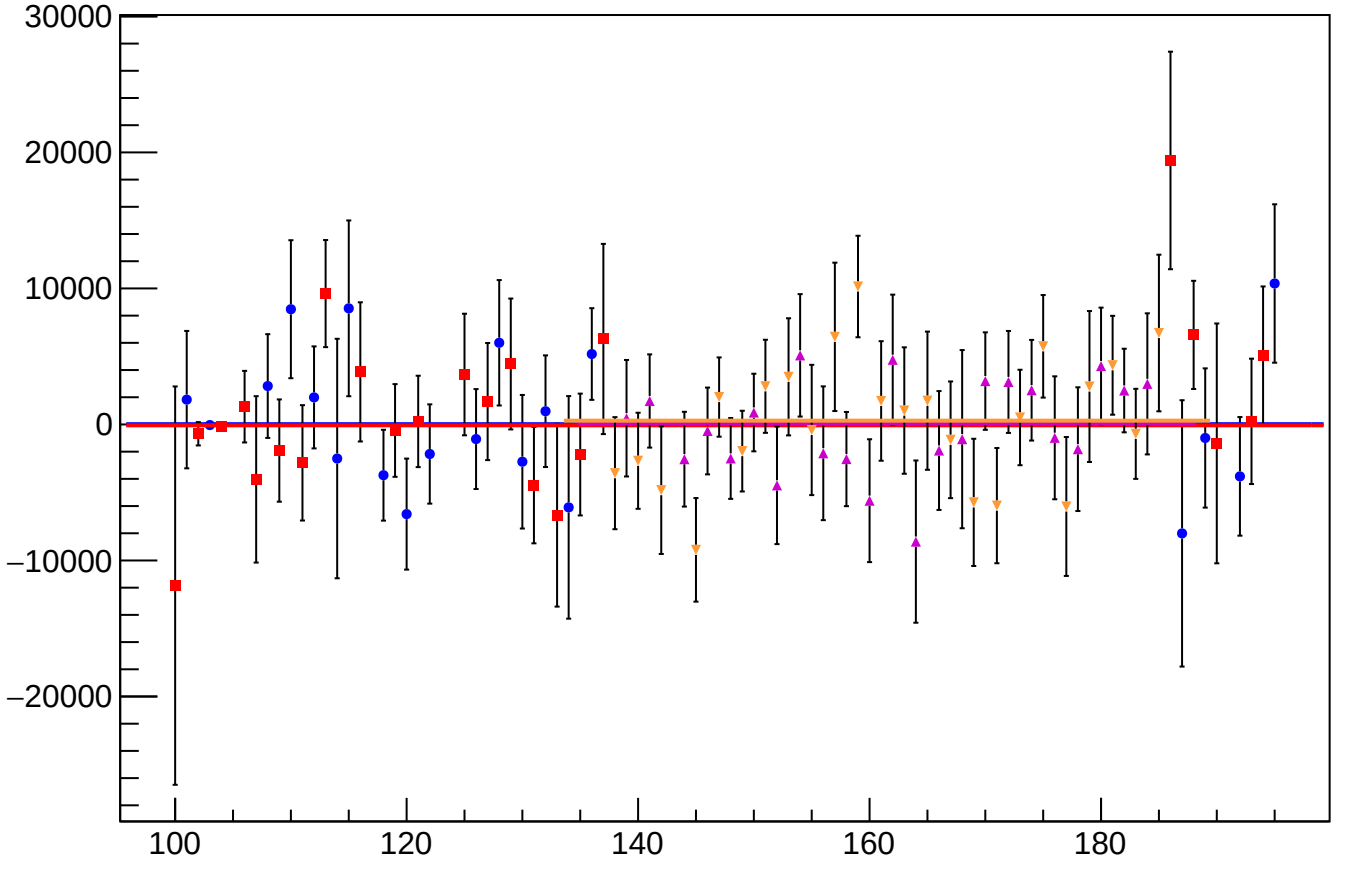
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.739+/-0.180 χ^2/NDF: 851400.3/42

In: 1110.831+/-0.149 χ^2/NDF:682976.9/42

Out: 1114.819+/-0.147 χ^2/NDF:305351.2/46

All: 1112.857+/-0.105 χ^2/NDF: 988692.1/89



Right In: 19.373+/-341.884 χ^2/NDF: 19.5/19

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -63.408+/-314.563 χ^2/NDF: 23.9/22

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

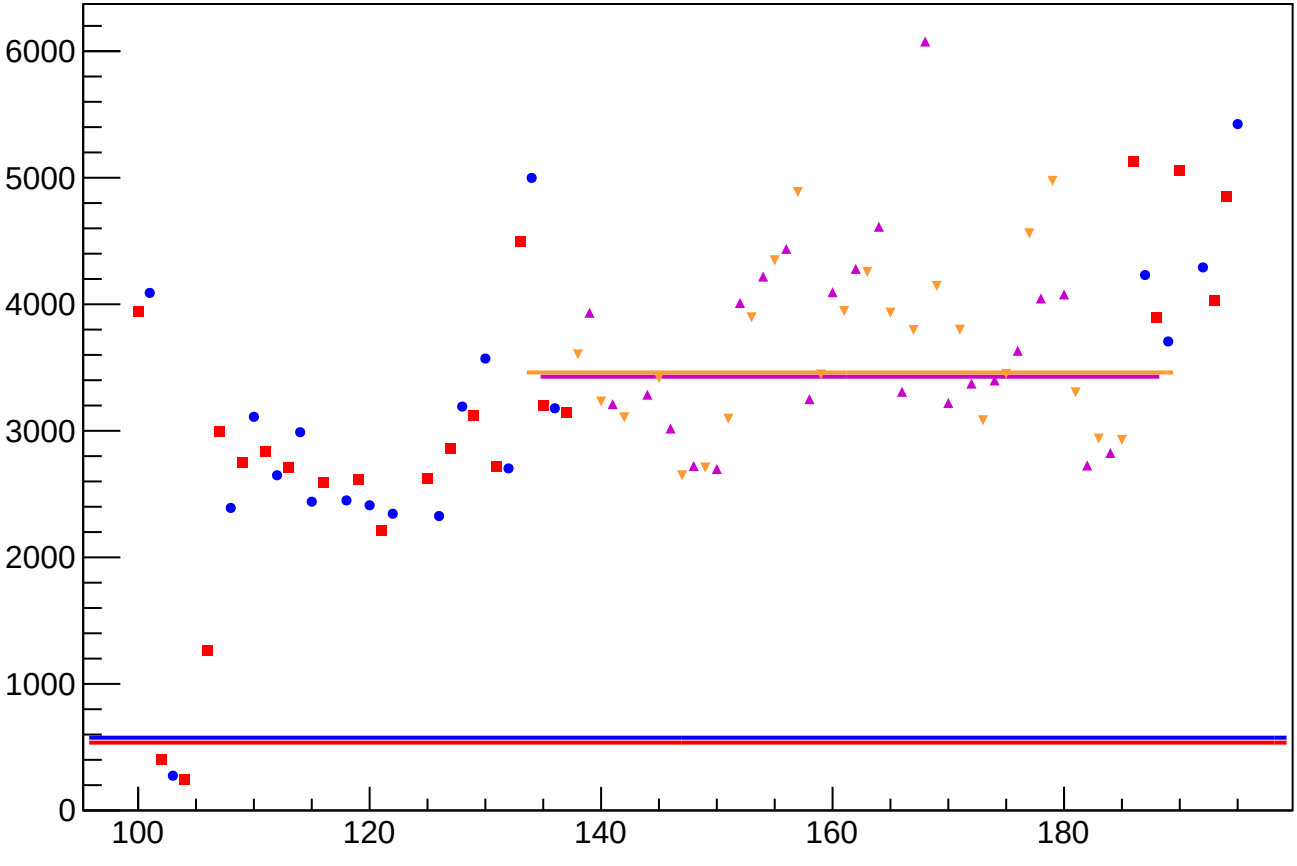
Right: -25.457+/-231.487 χ^2/NDF: 43.4/42

In: 30.599+/-315.396 χ^2/NDF:33.2/42

Out: -19.717+/-293.718 χ^2/NDF:53.9/46

All: 3.652+/-214.945 χ^2/NDF: 87.1/89

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 575.187+/-0.242 χ^2/NDF: 13760215.2/19

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 536.044+/-0.222 χ^2/NDF: 14415198.5/22

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

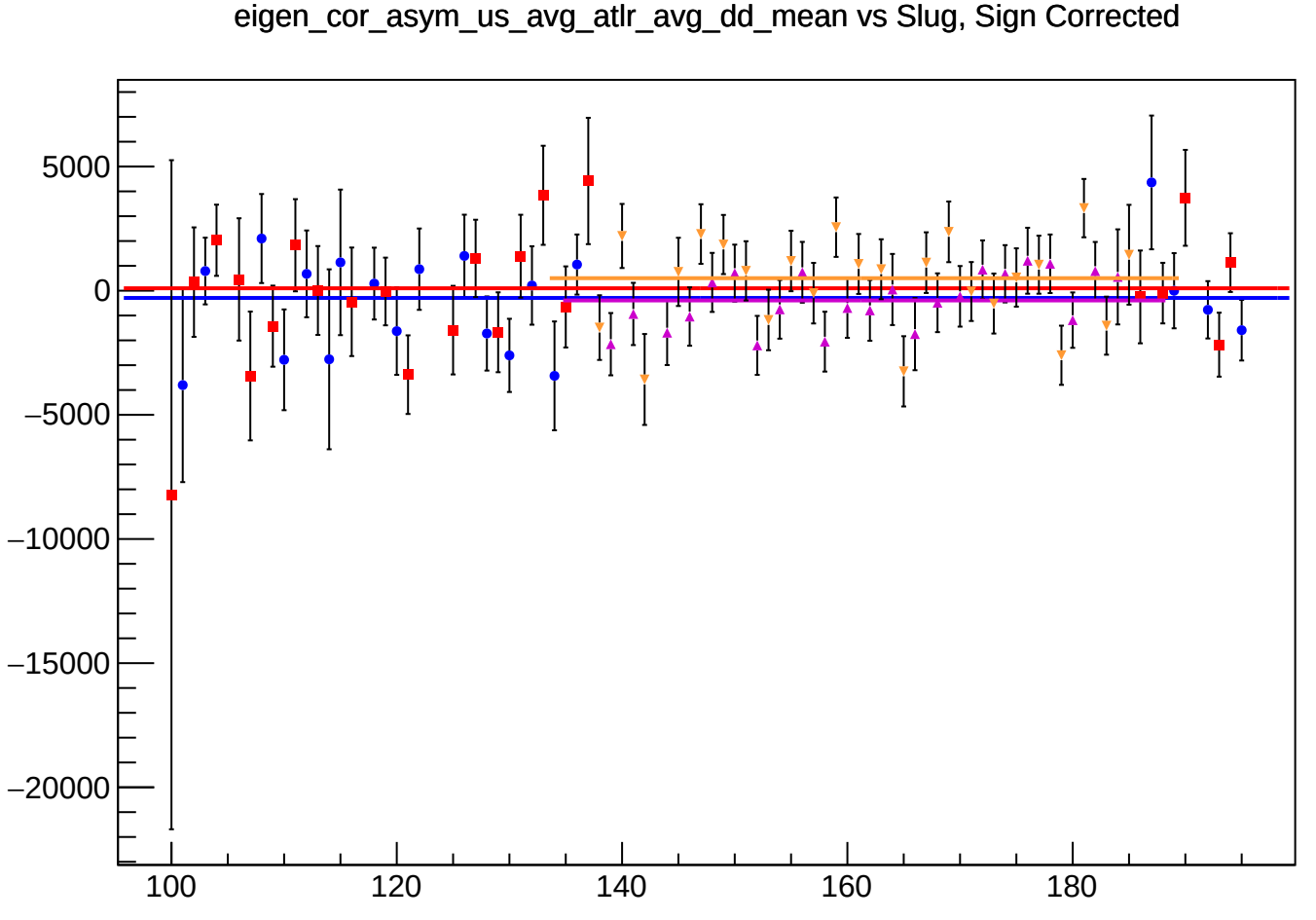
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

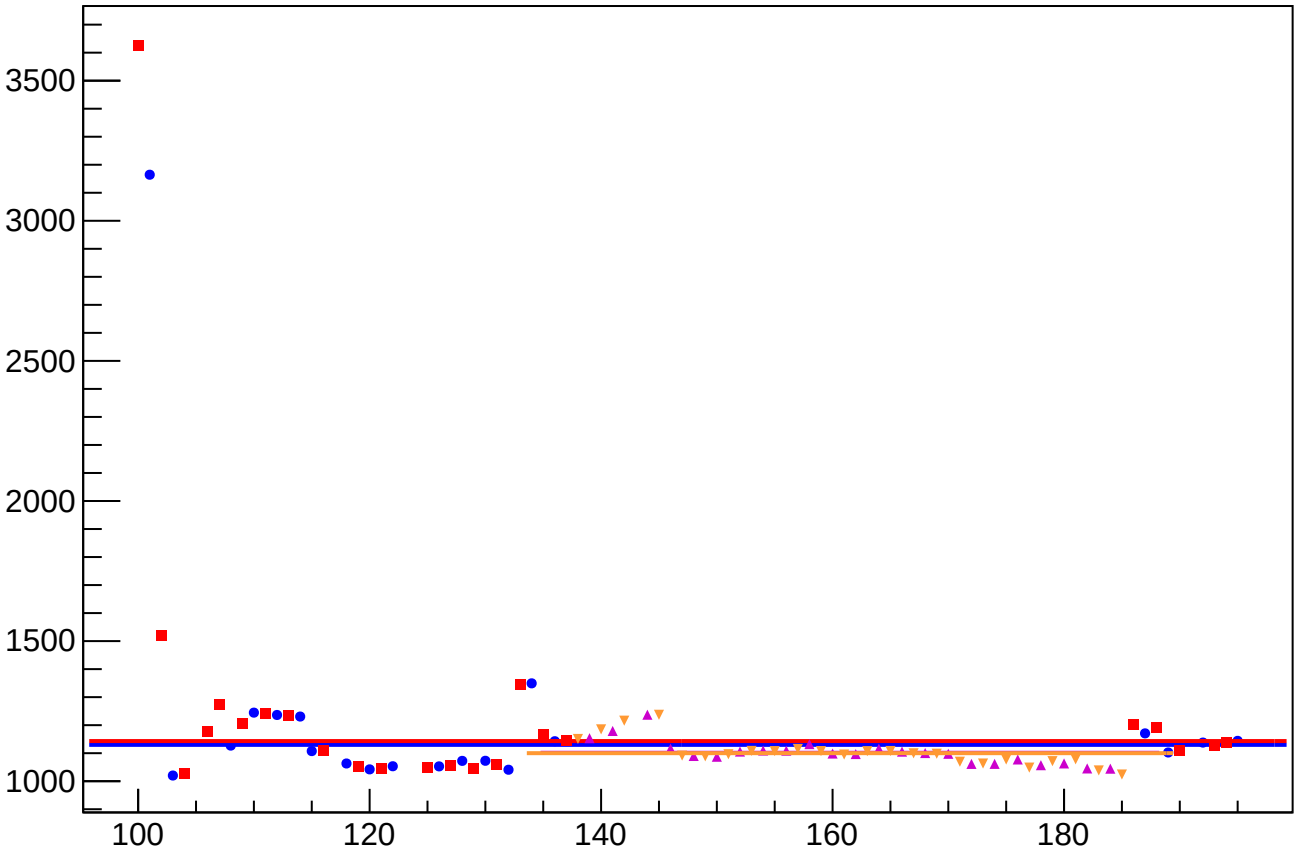
Right: 553.989+/-0.164 χ^2/NDF: 28189611.7/42

In: 1000.085+/-0.223 χ^2/NDF:35743369.9/42

Out: 910.896+/-0.208 χ^2/NDF:37637044.0/46

All: 952.320+/-0.152 χ^2/NDF: 73466066.2/89


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
Right In: -292.711+/-367.005 χ²/NDF: 19.1/19
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 97.318+/-355.035 χ²/NDF: 28.2/22
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: -91.233+/-255.174 χ²/NDF: 47.9/42
In: -359.057+/-210.729 χ²/NDF:37.0/42
Out: 365.010+/-207.398 χ²/NDF:73.6/46
All: 8.744+/-147.816 χ²/NDF: 116.6/89



Right In: 1129.741+/-0.260 χ^2/NDF: 622909.4/19

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1143.283+/-0.251 χ^2/NDF: 227083.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

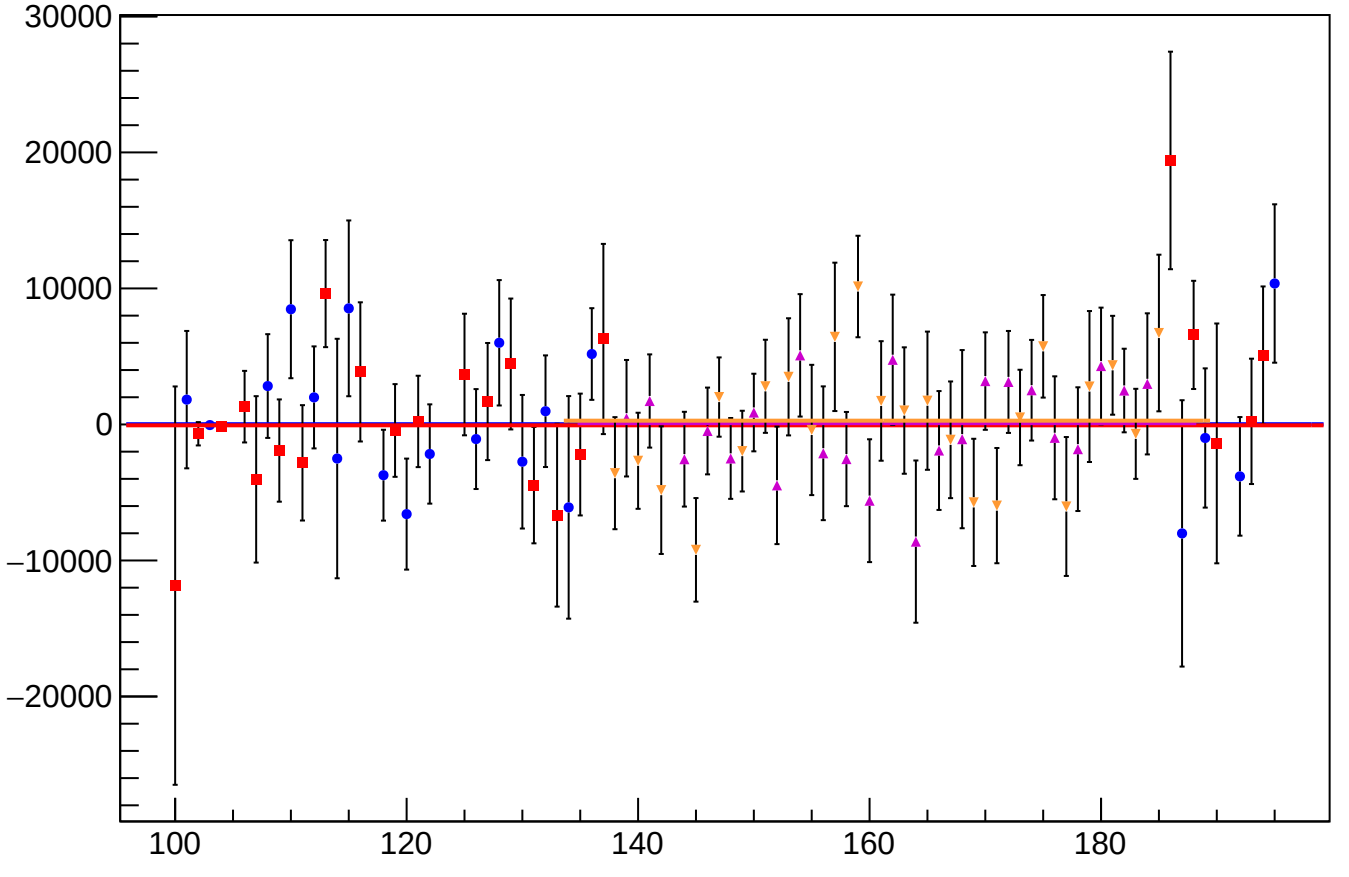
Right: 1136.739+/-0.180 χ^2/NDF: 851400.3/42

In: 1110.831+/-0.149 χ^2/NDF:682976.9/42

Out: 1114.819+/-0.147 χ^2/NDF:305351.2/46

All: 1112.857+/-0.105 χ^2/NDF: 988692.1/89

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 19.373+/-341.884 χ^2/NDF: 19.5/19

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -63.408+/-314.563 χ^2/NDF: 23.9/22

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

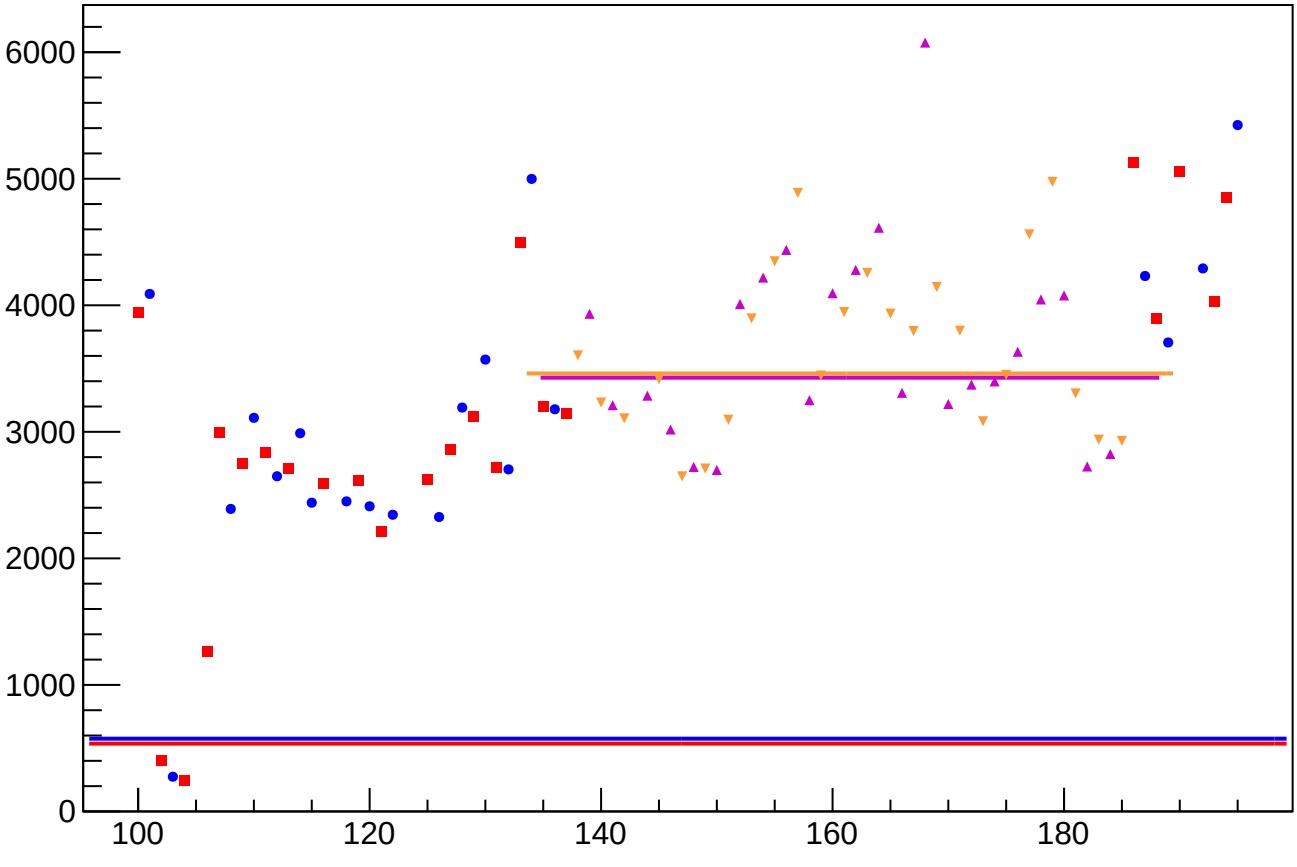
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -25.457+/-231.487 χ^2/NDF: 43.4/42

In: 30.599+/-315.396 χ^2/NDF:33.2/42

Out: -19.717+/-293.718 χ^2/NDF:53.9/46

All: 3.652+/-214.945 χ^2/NDF: 87.1/89



Right In: 575.187+/-0.242 χ^2/NDF: 13760215.2/19

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 536.044+/-0.222 χ^2/NDF: 14415198.5/22

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

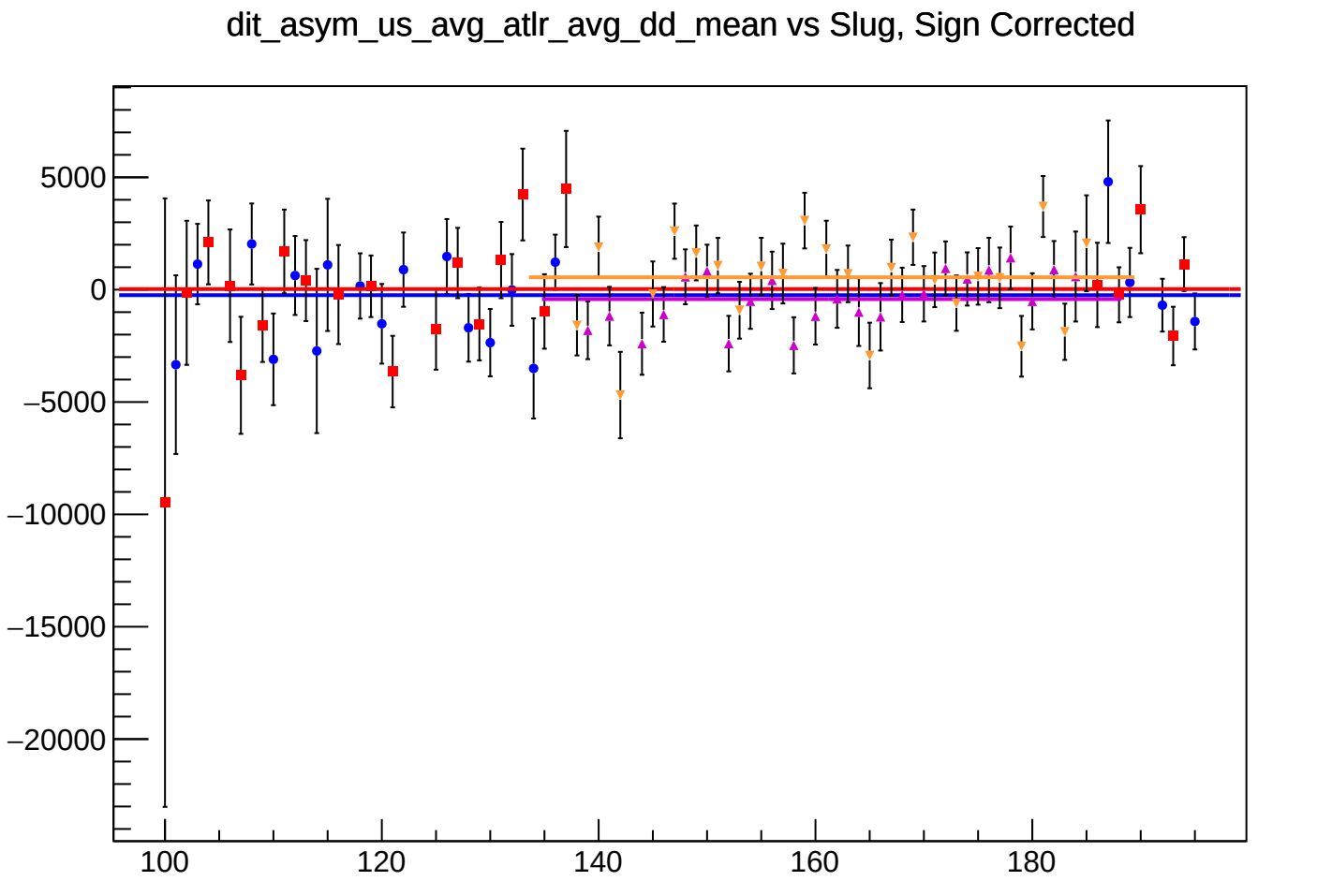
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 553.989+/-0.164 χ^2/NDF: 28189611.7/42

In: 1000.085+/-0.223 χ^2/NDF:35743369.9/42

Out: 910.896+/-0.208 χ^2/NDF:37637044.0/46

All: 952.320+/-0.152 χ^2/NDF: 73466066.2/89



Right In: -244.297+/-377.235 χ^2/NDF: 18.9/19

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 26.709+/-365.128 χ^2/NDF: 28.5/22

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

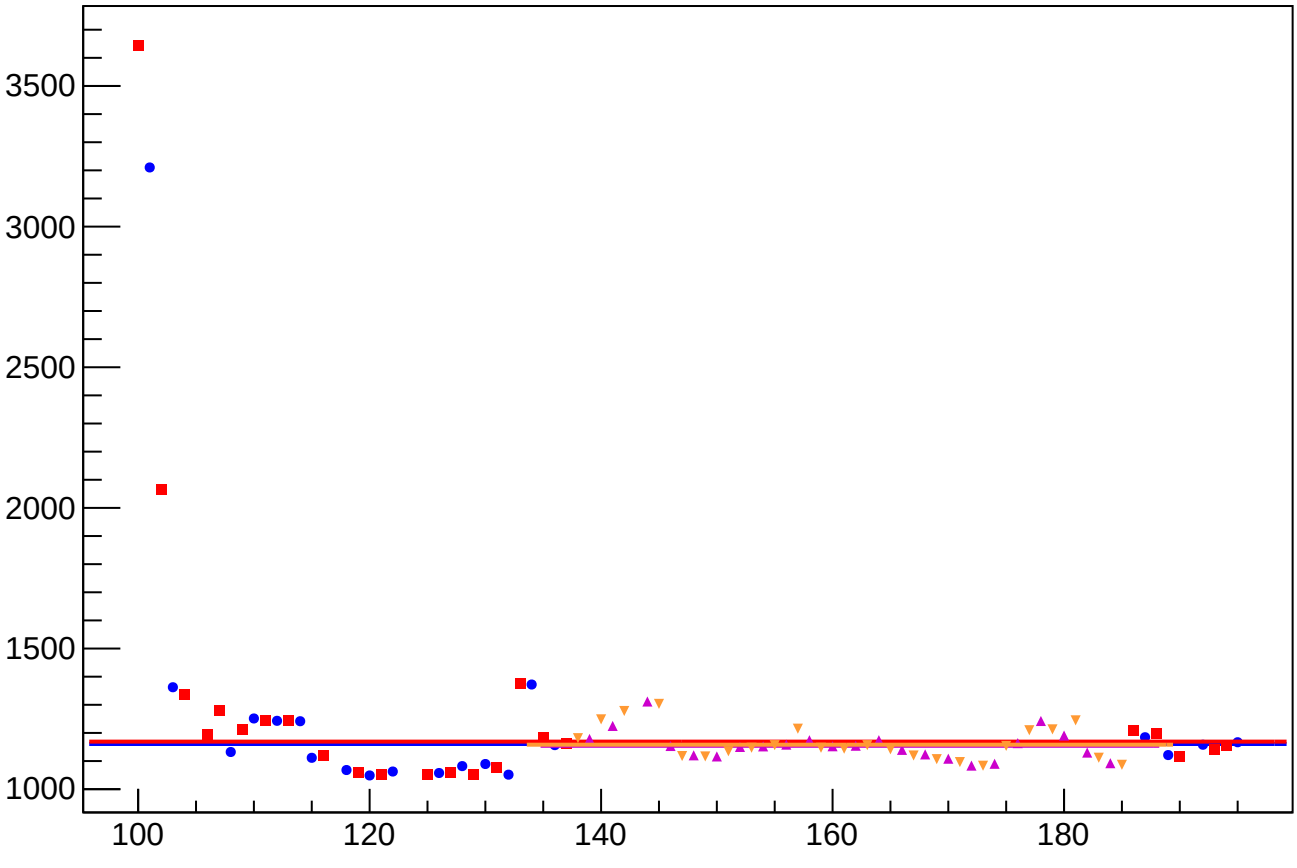
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -104.375+/-262.360 χ^2/NDF: 47.7/42

In: -361.212+/-219.458 χ^2/NDF:37.1/42

Out: 366.144+/-216.679 χ^2/NDF:75.0/46

All: 7.100+/-154.188 χ^2/NDF: 117.7/89



Right In: 1160.653+/-0.267 χ^2/NDF: 636921.9/19

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1169.118+/-0.258 χ^2/NDF: 336411.5/22

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

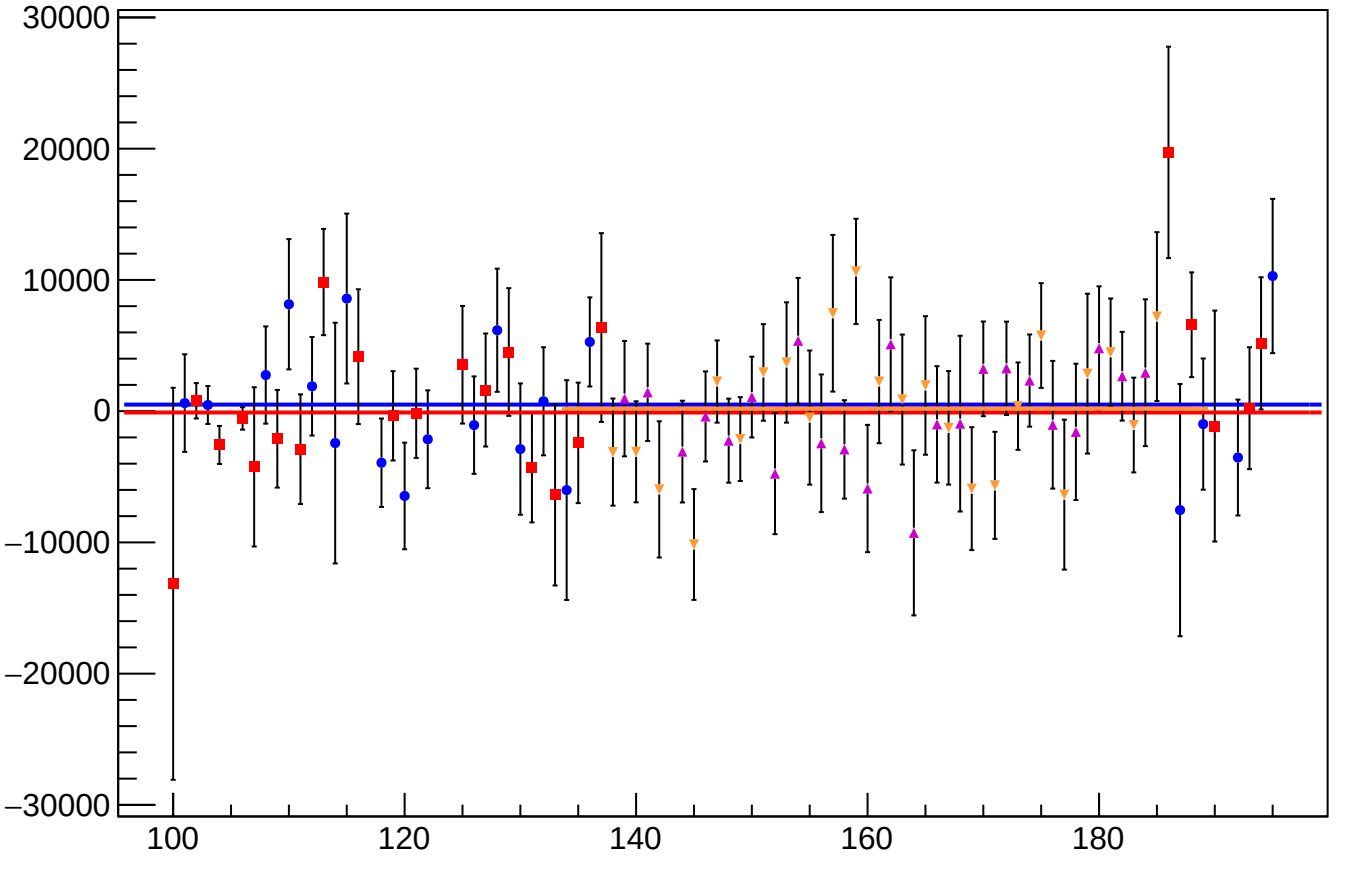
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1165.025+/-0.185 χ^2/NDF: 973853.6/42

In: 1156.404+/-0.155 χ^2/NDF:703782.4/42

Out: 1162.031+/-0.153 χ^2/NDF:421687.1/46

All: 1159.254+/-0.109 χ^2/NDF: 1126135.5/89



Right In: 499.484+/-833.388 χ^2/NDF: 18.8/19

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -101.295+/-550.501 χ^2/NDF: 26.9/22

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

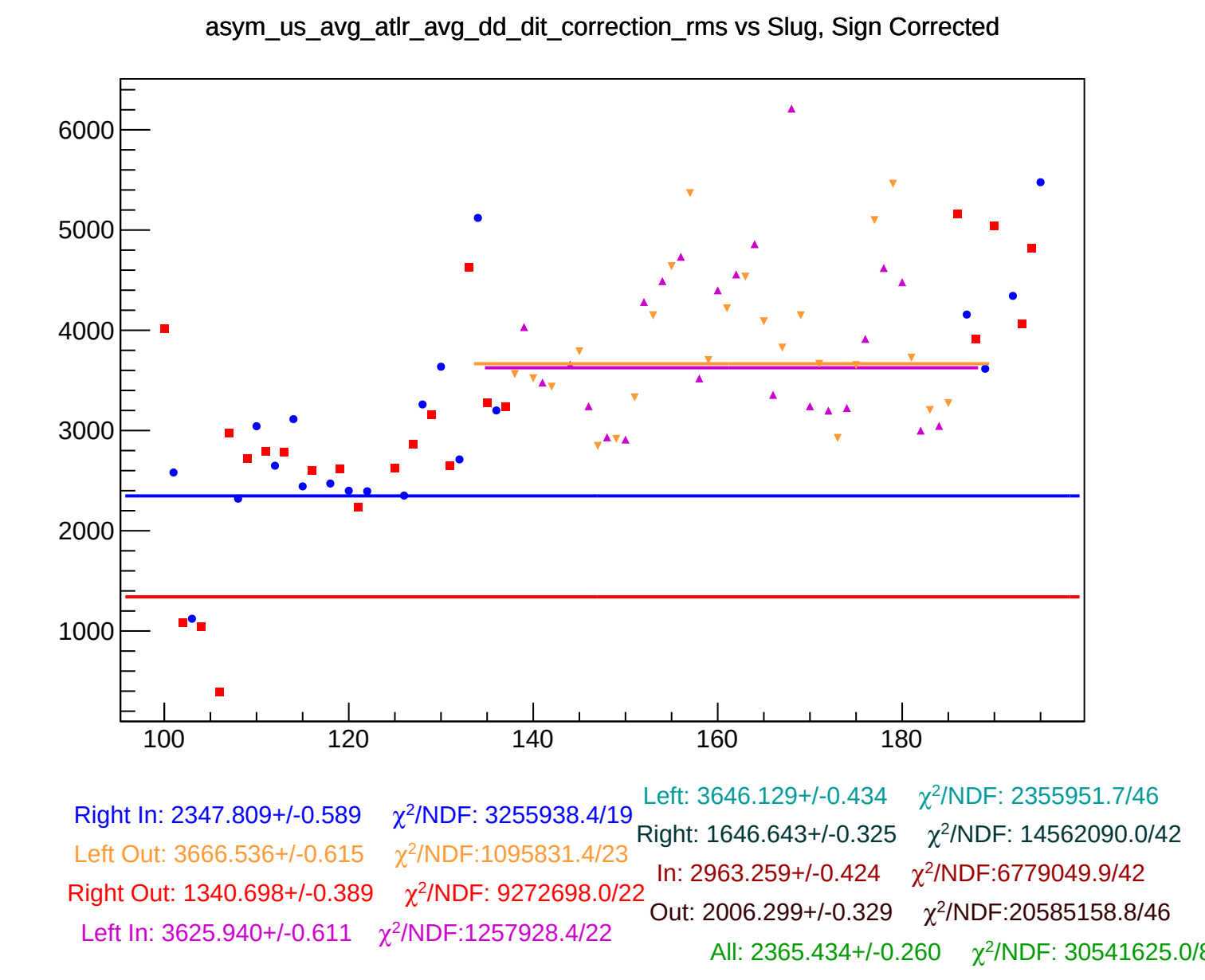
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

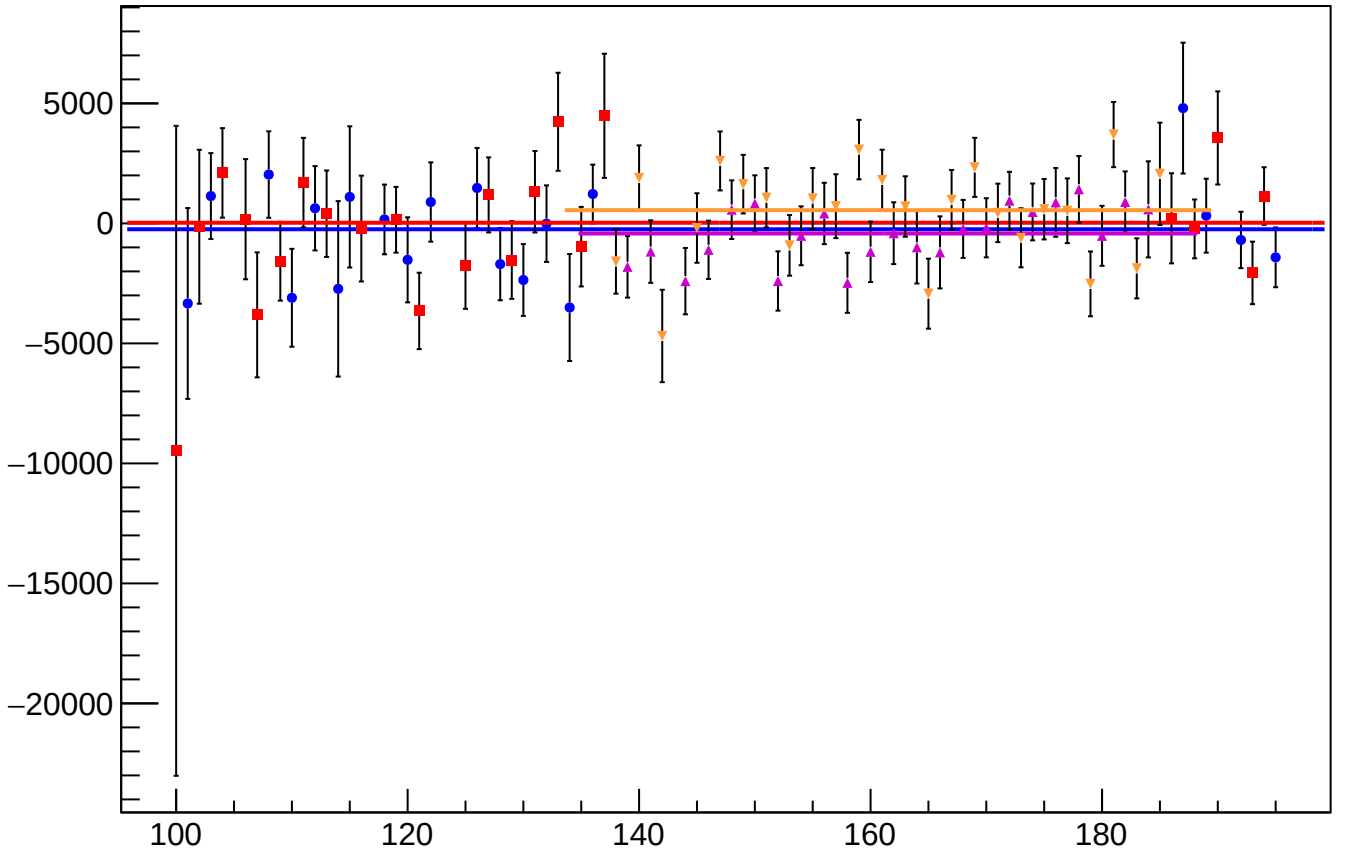
Right: 81.212+/-459.335 χ^2/NDF: 46.1/42

In: 365.561+/-600.084 χ^2/NDF:32.3/42

Out: -18.009+/-465.107 χ^2/NDF:56.3/46

All: 125.940+/-367.615 χ^2/NDF: 88.8/89


asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 2347.809+/-0.589 χ²/NDF: 3255938.4/19
Left Out: 3666.536+/-0.615 χ²/NDF:1095831.4/23
Right Out: 1340.698+/-0.389 χ²/NDF: 9272698.0/22
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 1646.643+/-0.325 χ²/NDF: 14562090.0/42
In: 2963.259+/-0.424 χ²/NDF:6779049.9/42
Out: 2006.299+/-0.329 χ²/NDF:20585158.8/46
All: 2365.434+/-0.260 χ²/NDF: 30541625.0/8



Right In: -244.296+/-377.235 χ^2/NDF: 18.9/19

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 26.707+/-365.128 χ^2/NDF: 28.5/22

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

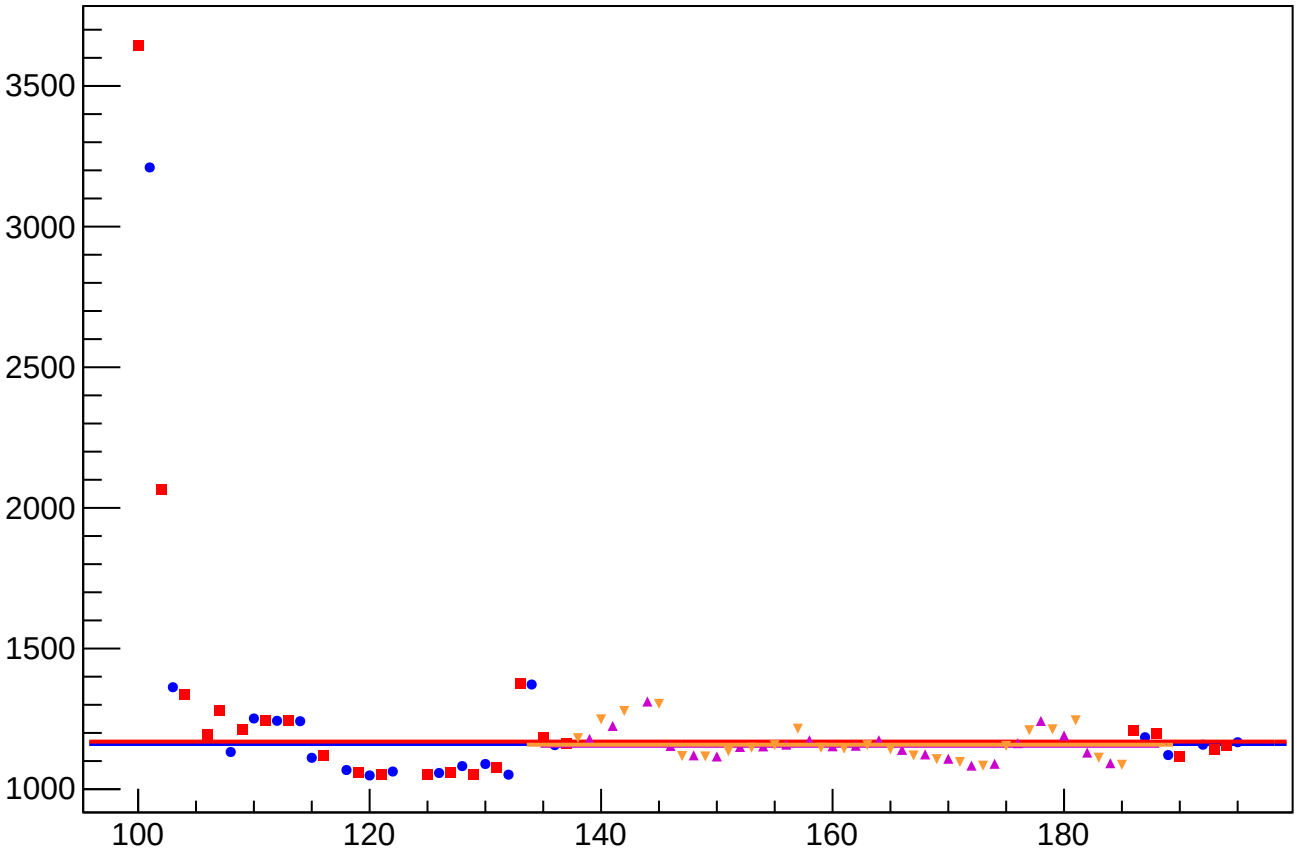
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: -104.376+/-262.360 χ^2/NDF: 47.7/42

In: -361.211+/-219.458 χ^2/NDF:37.1/42

Out: 366.144+/-216.679 χ^2/NDF:75.0/46

All: 7.101+/-154.189 χ^2/NDF: 117.7/89



Right In: 1160.653+/-0.267 χ^2/NDF: 636922.2/19

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1169.118+/-0.258 χ^2/NDF: 336411.1/22

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

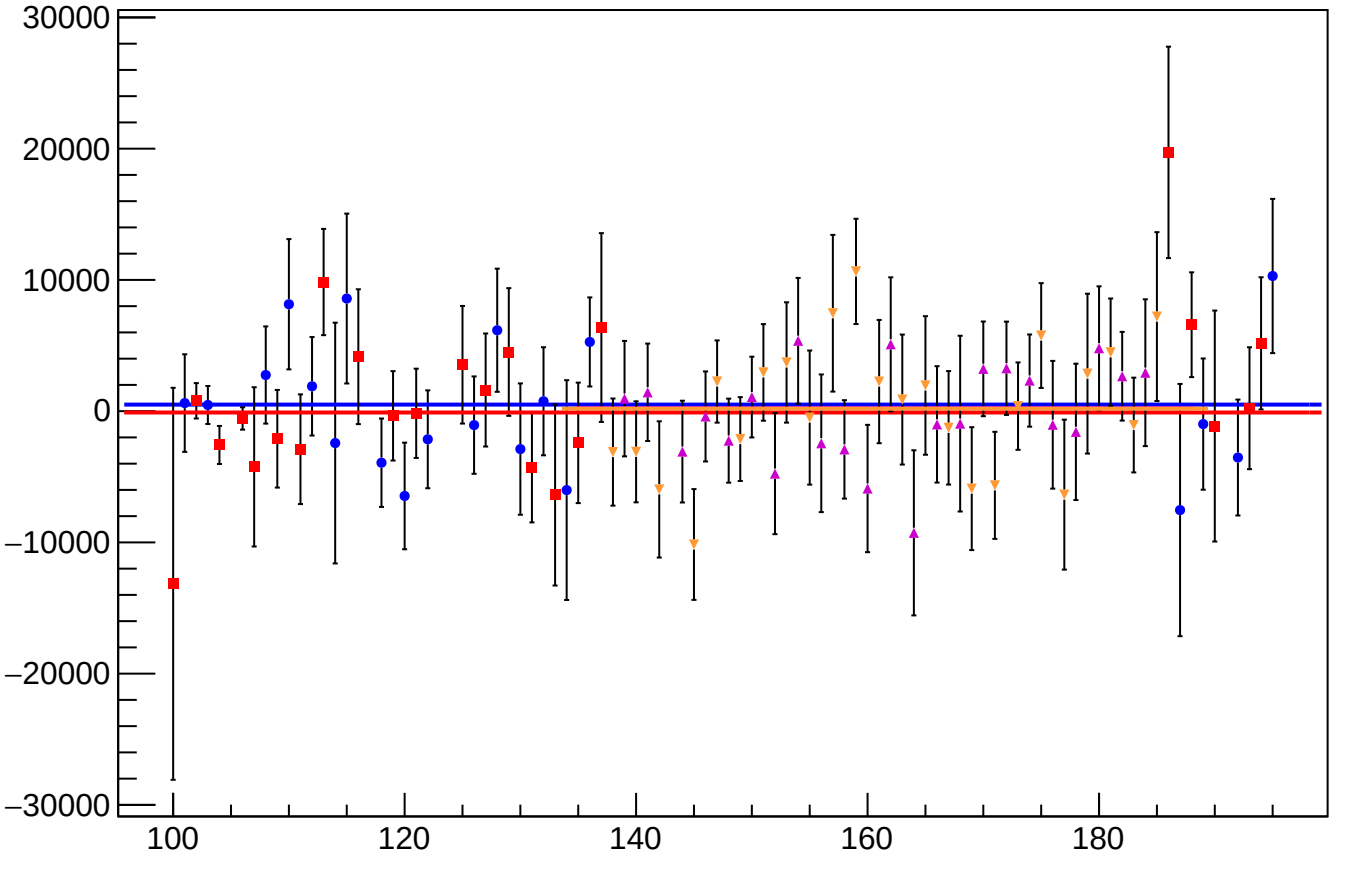
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1165.025+/-0.185 χ^2/NDF: 973853.4/42

In: 1156.405+/-0.155 χ^2/NDF:703785.0/42

Out: 1162.032+/-0.153 χ^2/NDF:421689.0/46

All: 1159.255+/-0.109 χ^2/NDF: 1126140.0/89



Right In: 499.478+/-833.387 χ^2/NDF: 18.8/19

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -101.303+/-550.494 χ^2/NDF: 26.9/22

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

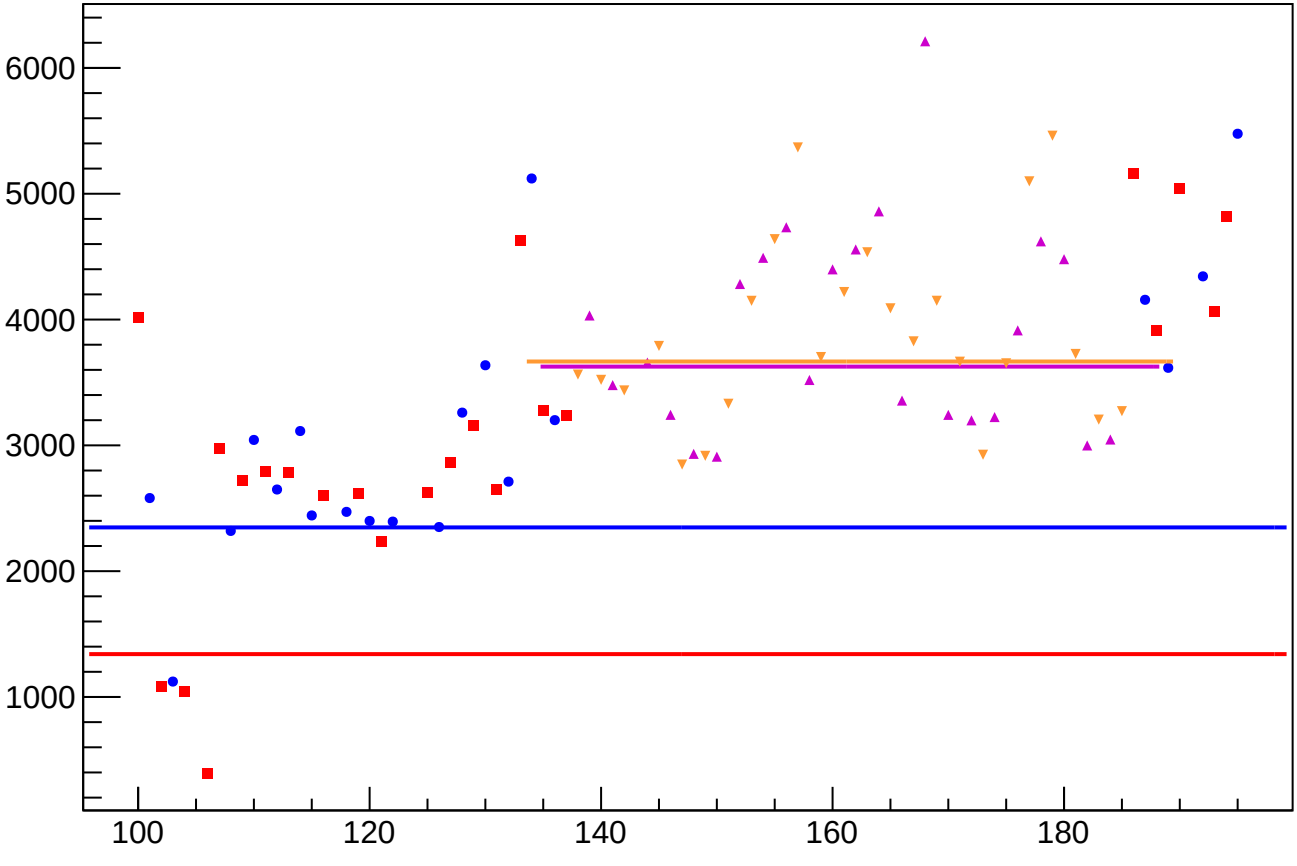
Right: 81.202+/-459.331 χ^2/NDF: 46.1/42

In: 365.560+/-600.084 χ^2/NDF:32.3/42

Out: -18.016+/-465.104 χ^2/NDF:56.3/46

All: 125.933+/-367.613 χ^2/NDF: 88.8/89

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2347.806+/-0.589 χ^2/NDF: 3255943.7/19

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1340.673+/-0.389 χ^2/NDF: 9272882.0/22

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

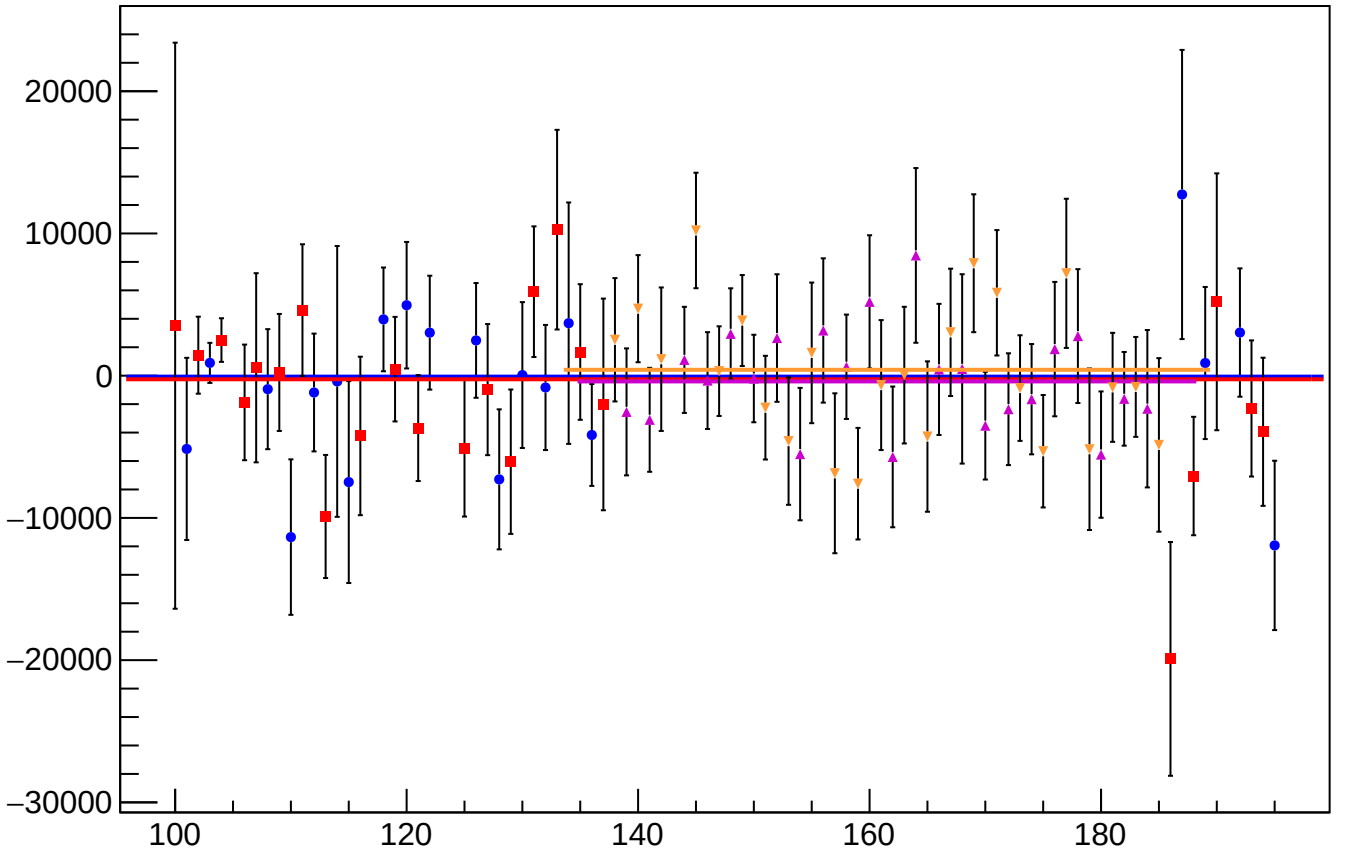
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1646.620+/-0.325 χ^2/NDF: 14562387.8/42

In: 2963.258+/-0.424 χ^2/NDF:6779088.4/42

Out: 2006.270+/-0.329 χ^2/NDF:20585663.7/46

All: 2365.412+/-0.260 χ^2/NDF: 30542372.6/8



Right In: -66.242+/-876.525 χ^2/NDF: 19.8/19

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -253.774+/-842.488 χ^2/NDF: 27.4/22

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

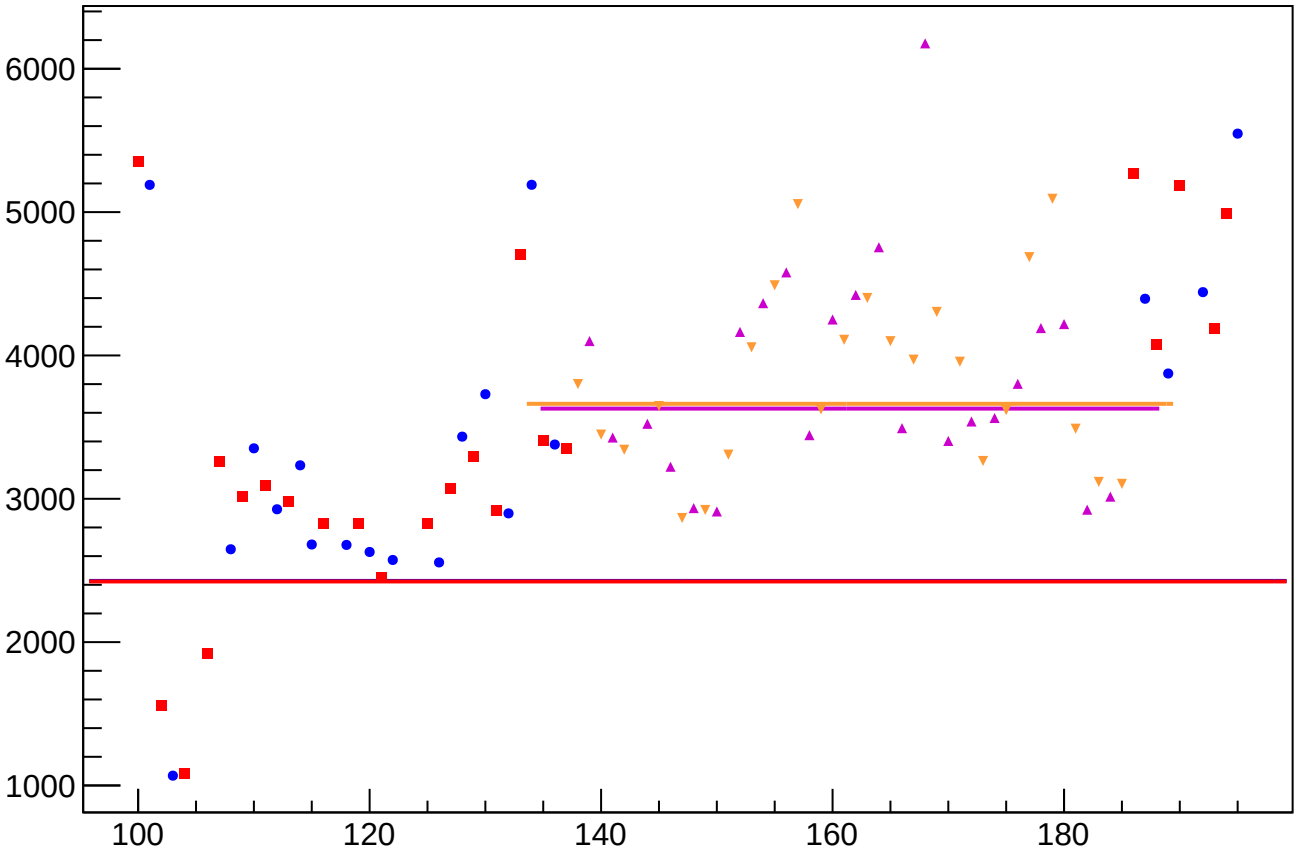
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -163.720+/-607.405 χ^2/NDF: 47.2/42

In: -237.625+/-614.755 χ^2/NDF:32.2/42

Out: 70.936+/-603.643 χ^2/NDF:54.8/46

All: -80.530+/-430.715 χ^2/NDF: 87.1/89



Right In: 2426.959+/-0.620 χ^2/NDF: 4118444.0/19

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2423.418+/-0.594 χ^2/NDF: 3956870.3/22

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

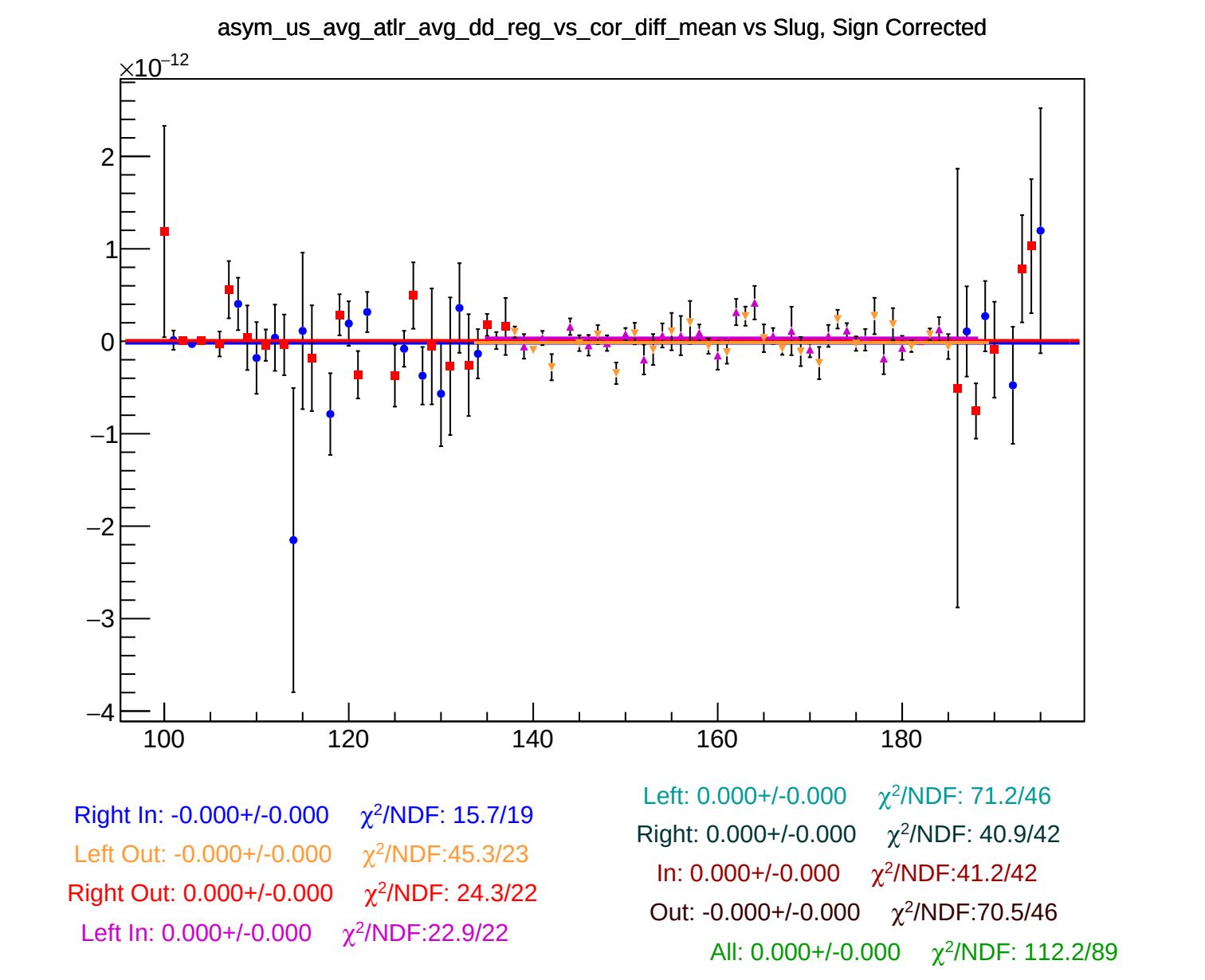
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

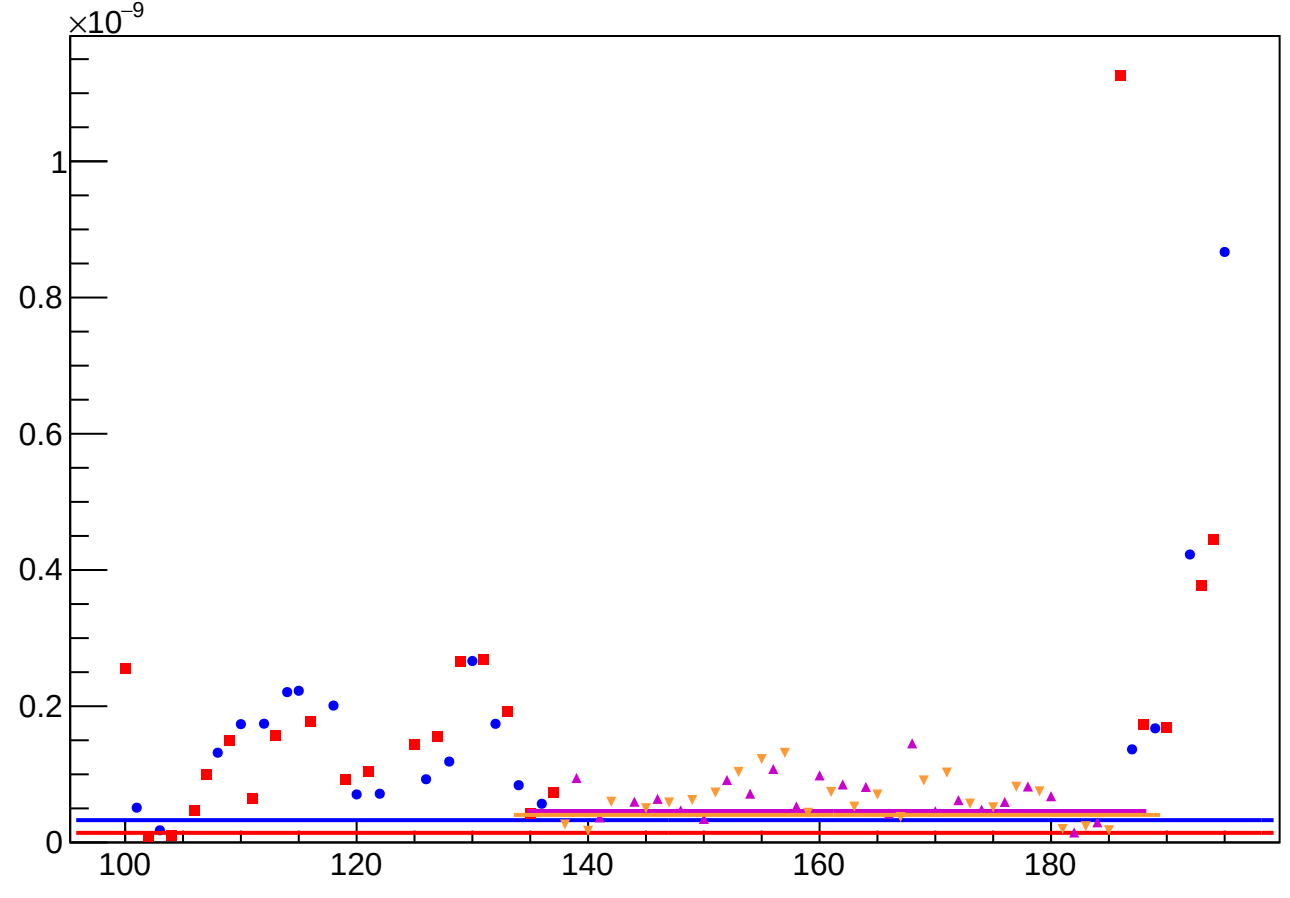
Right: 2425.115+/-0.429 χ^2/NDF: 8075331.3/42

In: 3037.808+/-0.435 χ^2/NDF:7085112.3/42

Out: 3025.157+/-0.426 χ^2/NDF:6960449.7/46

All: 3031.360+/-0.304 χ^2/NDF: 14045993.7/8


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 15.7/19
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 24.3/22
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: 0.000+/-0.000 χ²/NDF: 40.9/42
In: 0.000+/-0.000 χ²/NDF:41.2/42
Out: -0.000+/-0.000 χ²/NDF:70.5/46
All: 0.000+/-0.000 χ²/NDF: 112.2/89



Right In: 0.000+/-0.000 χ^2/NDF: 4901360.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6334378.4/22

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

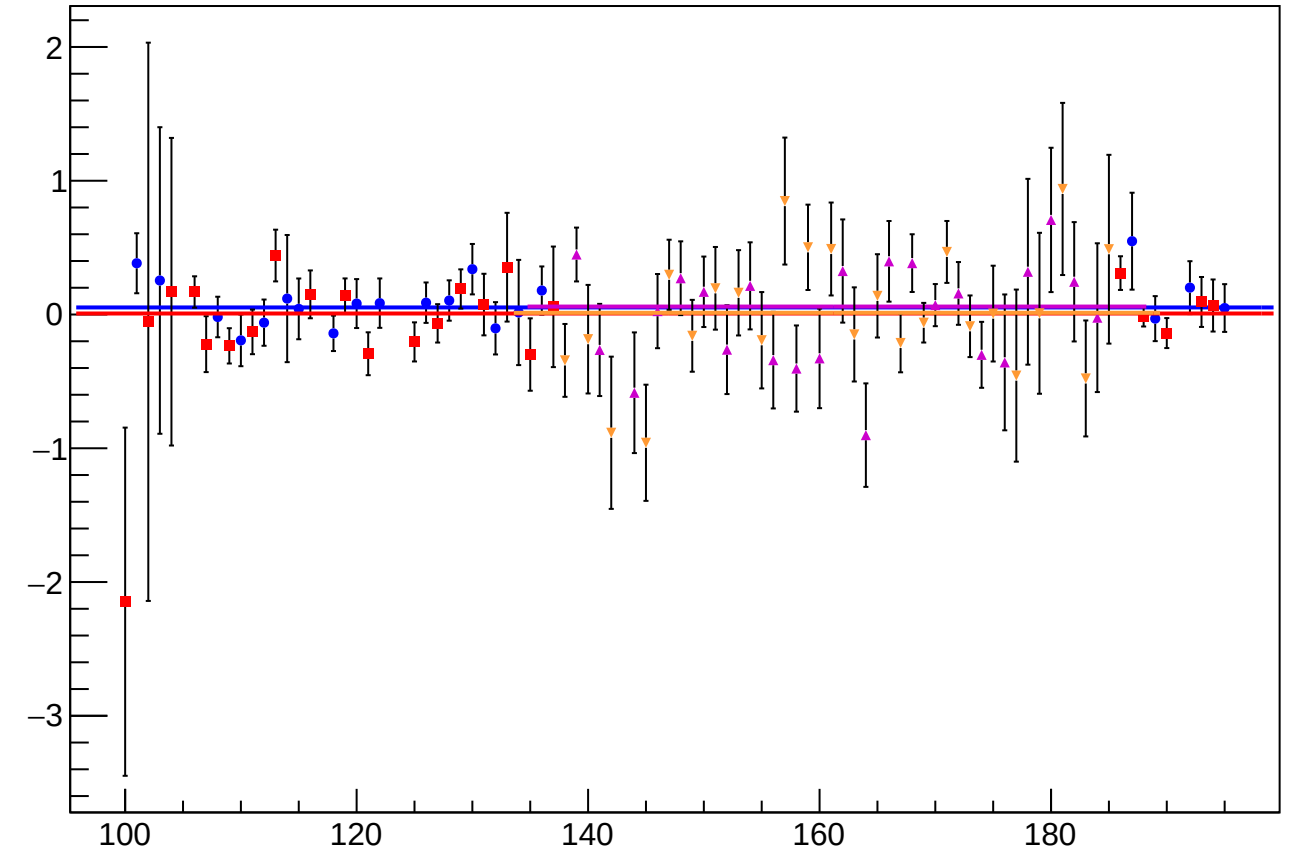
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 12040123.3/42

In: 0.000+/-0.000 χ^2/NDF:8200962.6/42

Out: 0.000+/-0.000 χ^2/NDF:12213939.0/46

All: 0.000+/-0.000 χ^2/NDF: 21857212.0/89



Right In: 0.053+/-0.043 χ^2/NDF: 13.0/19

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.007+/-0.033 χ^2/NDF: 34.0/22

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

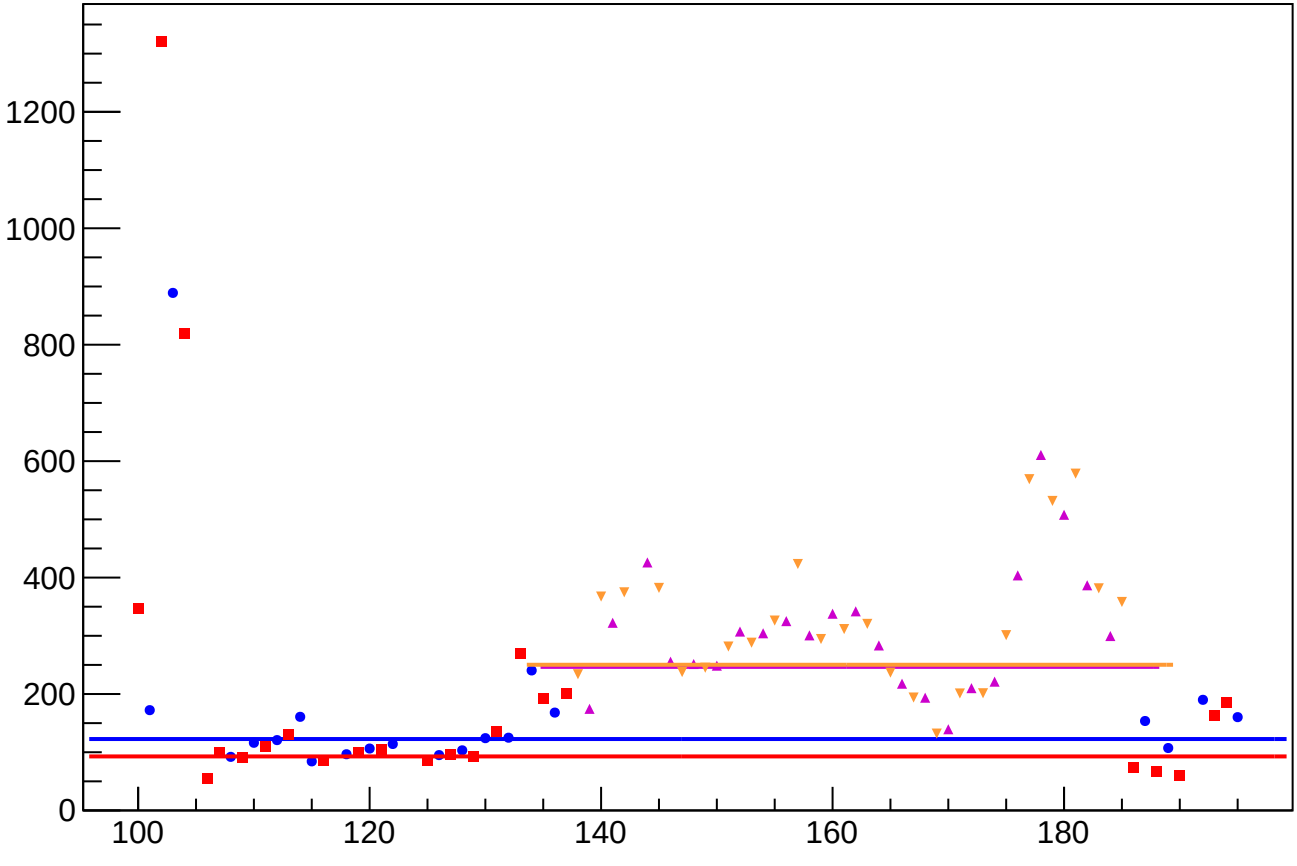
Right: 0.024+/-0.026 χ^2/NDF: 47.7/42

In: 0.055+/-0.035 χ^2/NDF:40.9/42

Out: 0.009+/-0.029 χ^2/NDF:63.3/46

All: 0.028+/-0.023 χ^2/NDF: 105.3/89

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.684+/-0.030 χ^2/NDF: 2003373.3/19

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 92.811+/-0.023 χ^2/NDF: 3932546.7/22

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

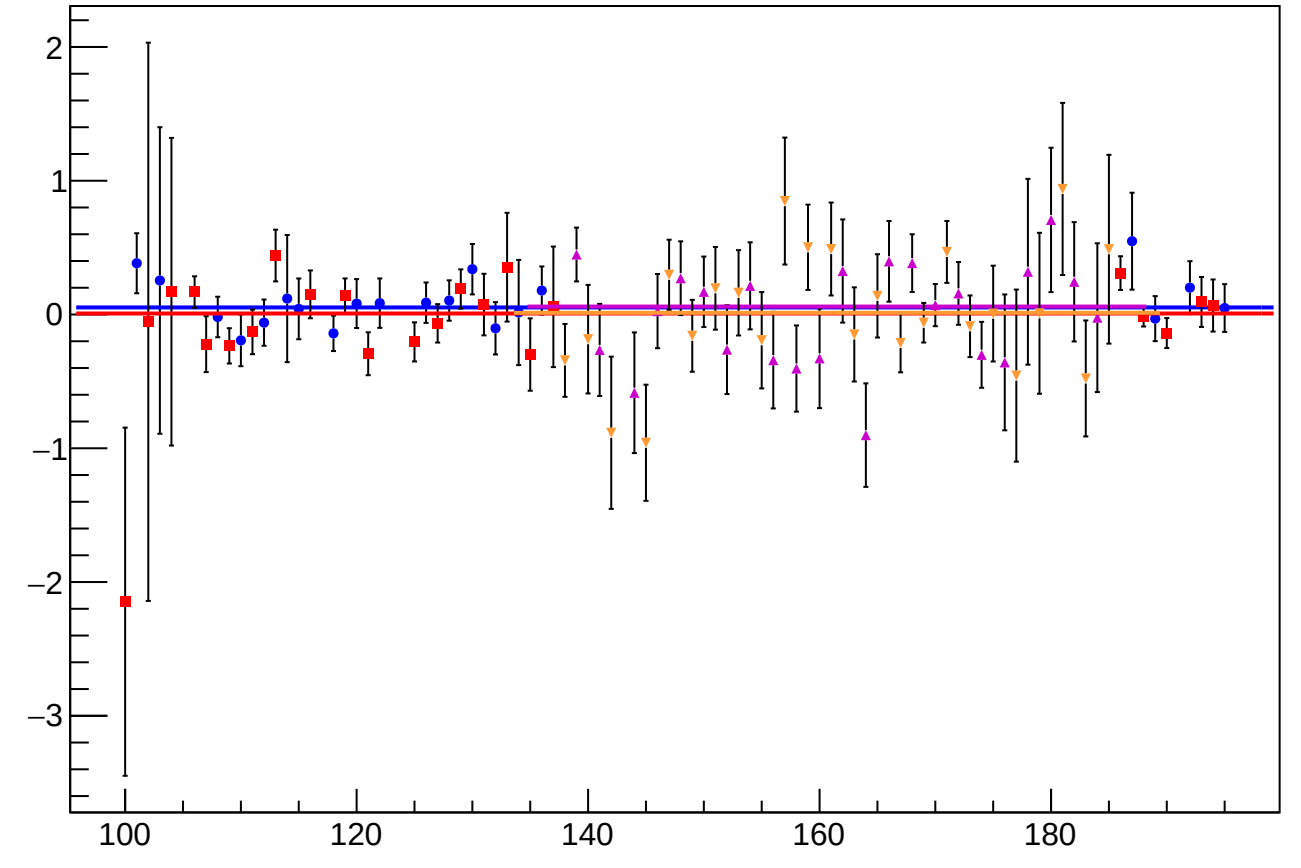
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 103.951+/-0.019 χ^2/NDF: 6544472.1/42

In: 162.784+/-0.025 χ^2/NDF:11181727.4/42

Out: 126.816+/-0.021 χ^2/NDF:18075357.8/46

All: 141.492+/-0.016 χ^2/NDF: 30488278.8/89



Right In: 0.053+/-0.043 χ^2/NDF: 13.0/19

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.007+/-0.033 χ^2/NDF: 34.0/22

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

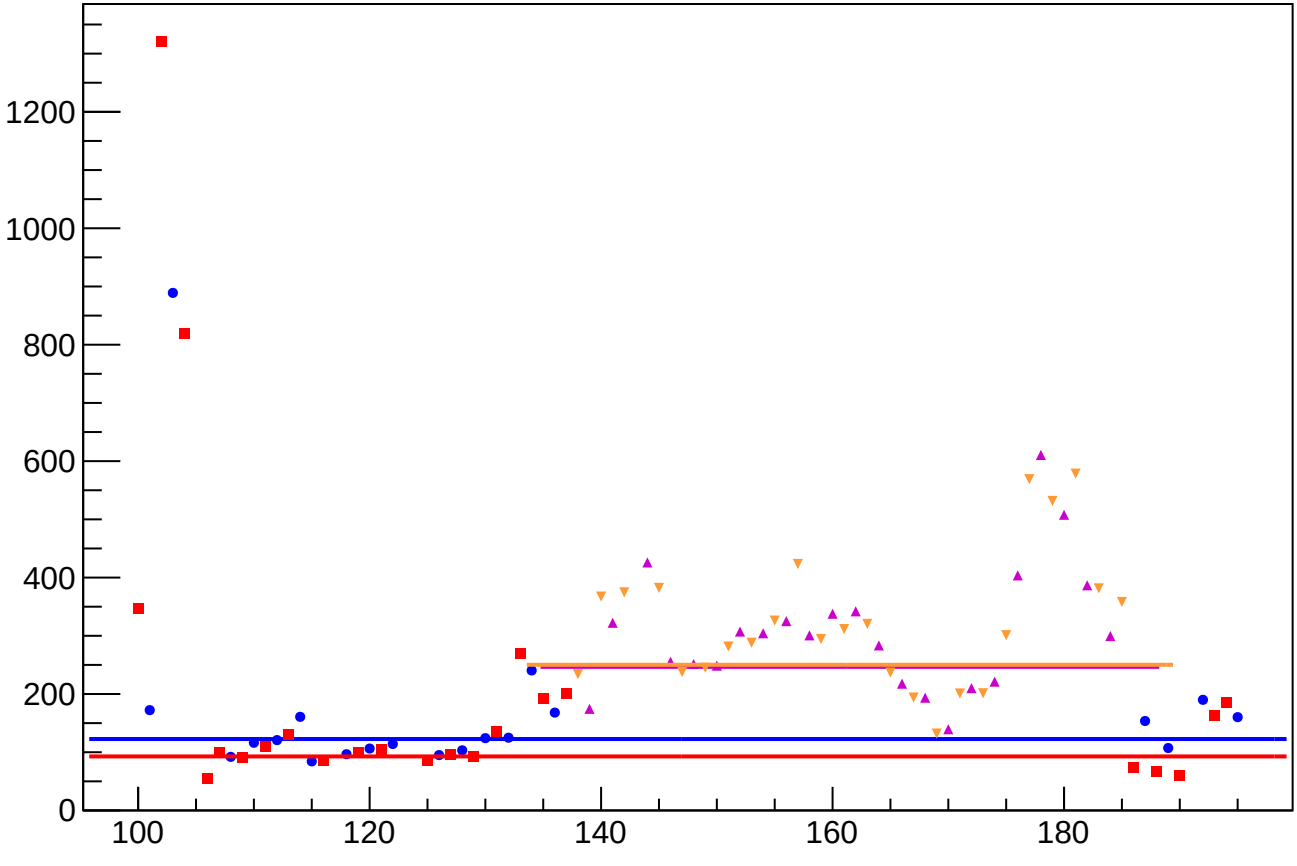
Right: 0.024+/-0.026 χ^2/NDF: 47.7/42

In: 0.055+/-0.035 χ^2/NDF:40.9/42

Out: 0.009+/-0.029 χ^2/NDF:63.3/46

All: 0.028+/-0.023 χ^2/NDF: 105.3/89

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.684+/-0.030 χ^2/NDF: 2003373.3/19

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 92.811+/-0.023 χ^2/NDF: 3932546.7/22

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

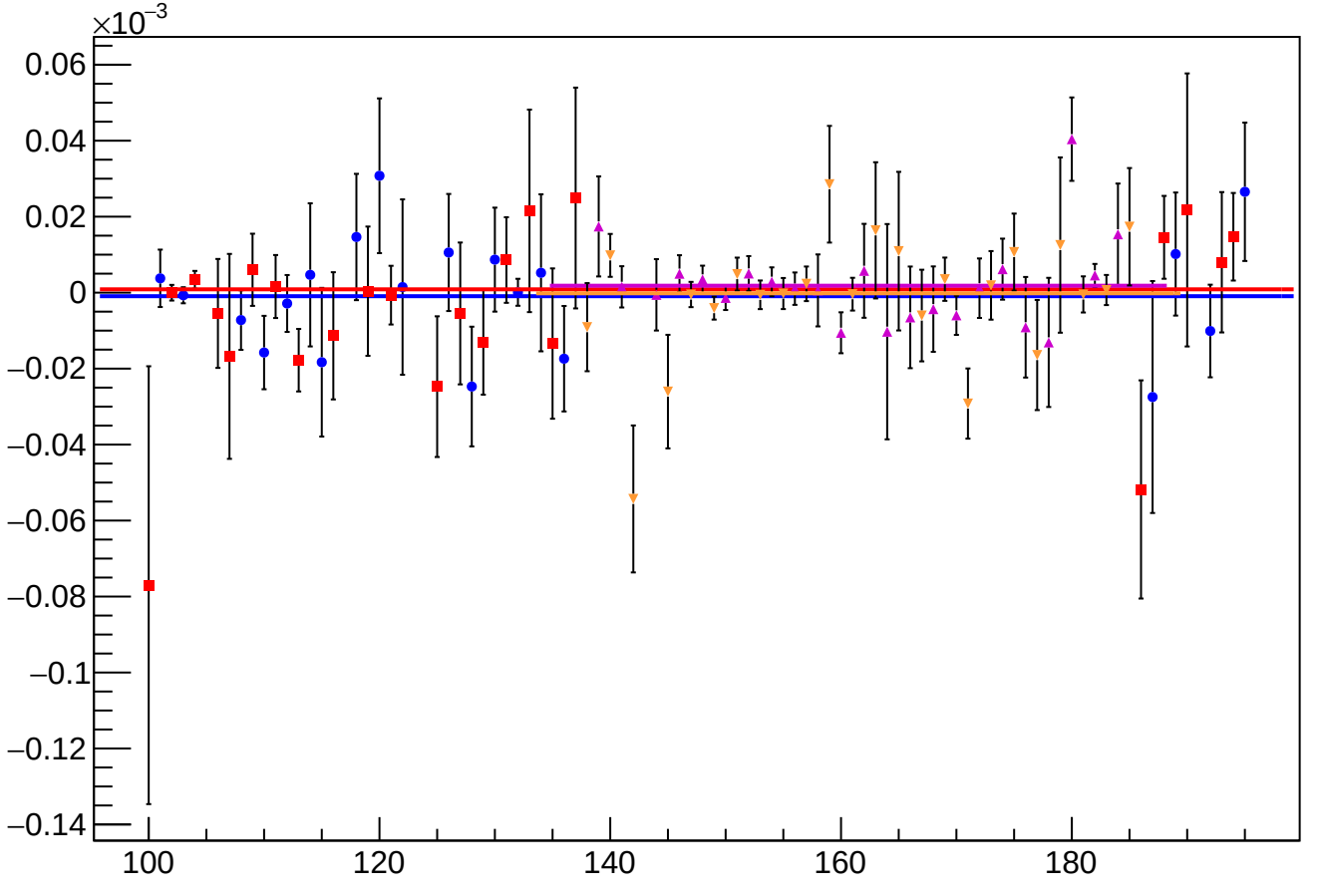
Right: 103.951+/-0.019 χ^2/NDF: 6544472.1/42

In: 162.784+/-0.025 χ^2/NDF:11181727.4/42

Out: 126.816+/-0.021 χ^2/NDF:18075357.8/46

All: 141.492+/-0.016 χ^2/NDF: 30488278.8/89

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: 16.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/22

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

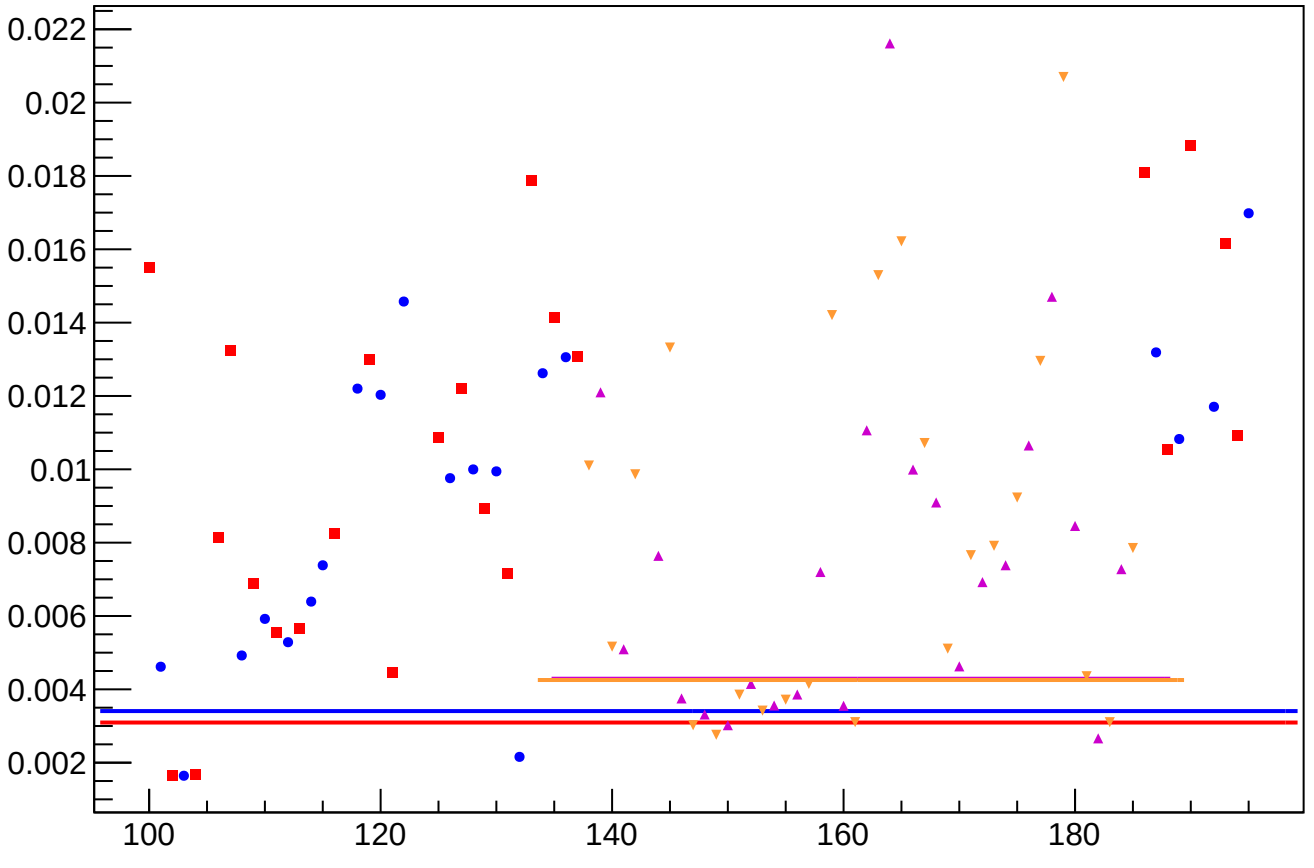
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

Right: 0.000+/-0.000 χ^2/NDF: 39.4/42

In: 0.000+/-0.000 χ^2/NDF:46.8/42

Out: 0.000+/-0.000 χ^2/NDF:59.5/46

All: 0.000+/-0.000 χ^2/NDF: 106.5/89



Right In: 0.003+/-0.000 χ^2/NDF: 8719053.7/19

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10633605.1/22

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

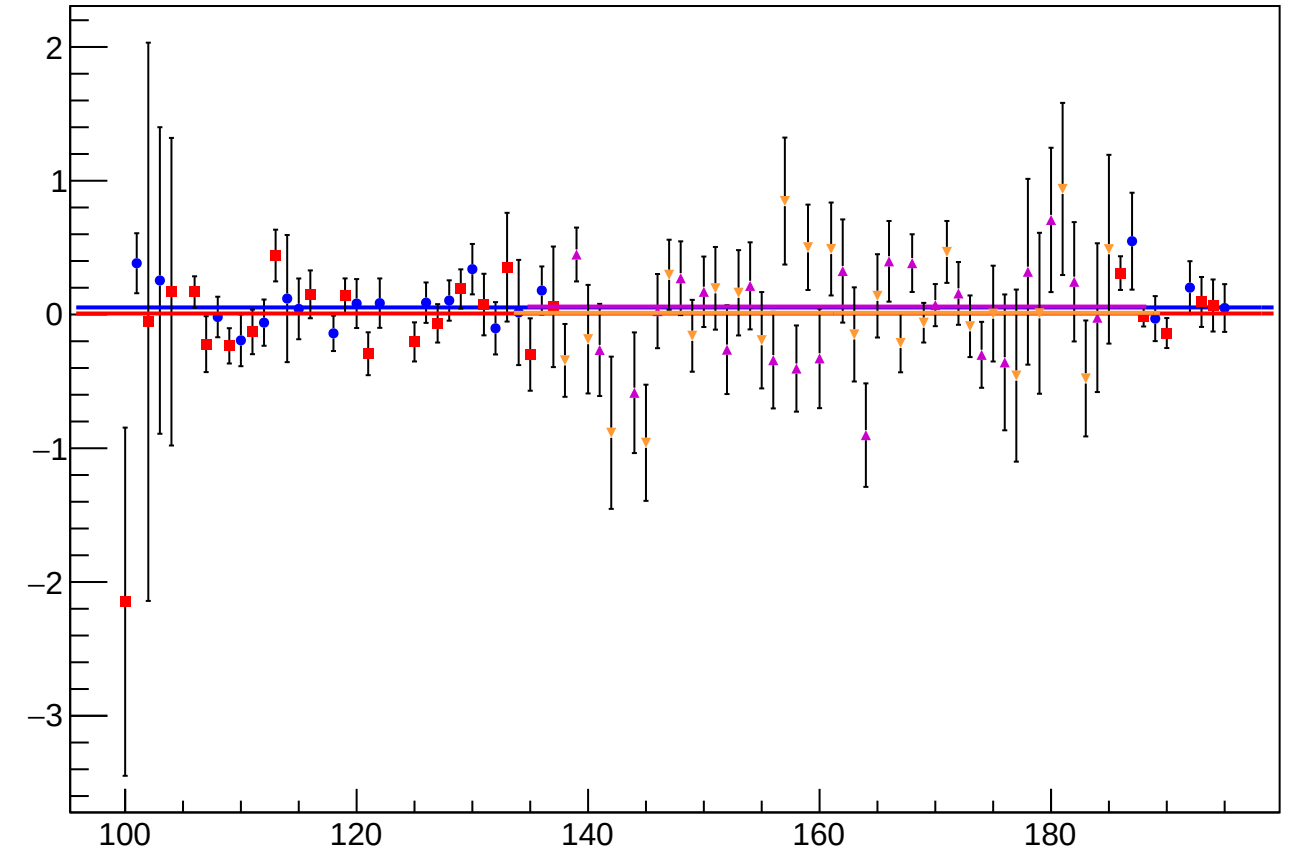
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.003+/-0.000 χ^2/NDF: 19398239.3/42

In: 0.004+/-0.000 χ^2/NDF:15724809.1/42

Out: 0.004+/-0.000 χ^2/NDF:19955863.1/46

All: 0.004+/-0.000 χ^2/NDF: 35727686.7/89



Right In: 0.053+/-0.043 χ^2/NDF: 13.0/19

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.007+/-0.033 χ^2/NDF: 34.0/22

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

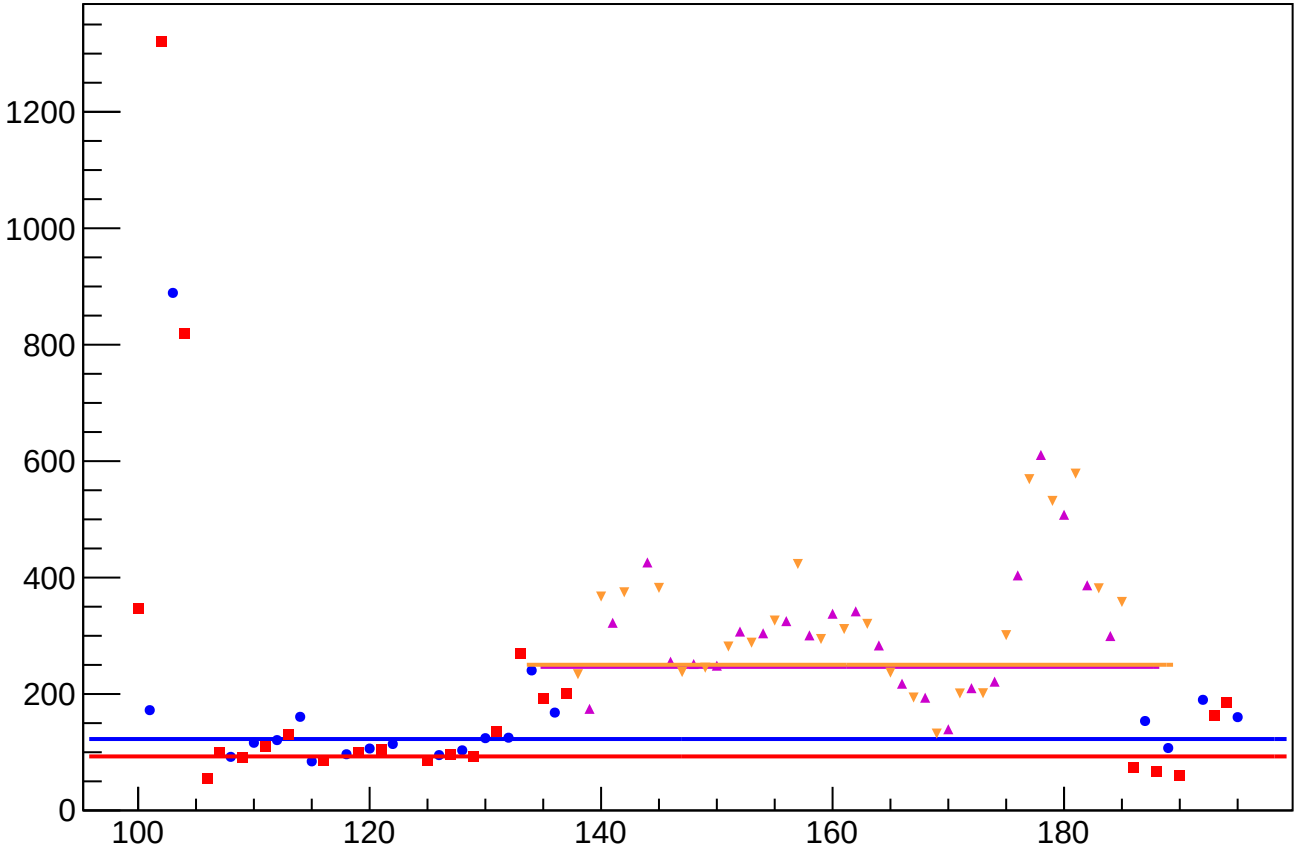
Right: 0.024+/-0.026 χ^2/NDF: 47.7/42

In: 0.055+/-0.035 χ^2/NDF:40.9/42

Out: 0.009+/-0.029 χ^2/NDF:63.3/46

All: 0.028+/-0.023 χ^2/NDF: 105.3/89

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.683+/-0.030 χ^2/NDF: 2003369.9/19

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 92.806+/-0.023 χ^2/NDF: 3932903.6/22

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

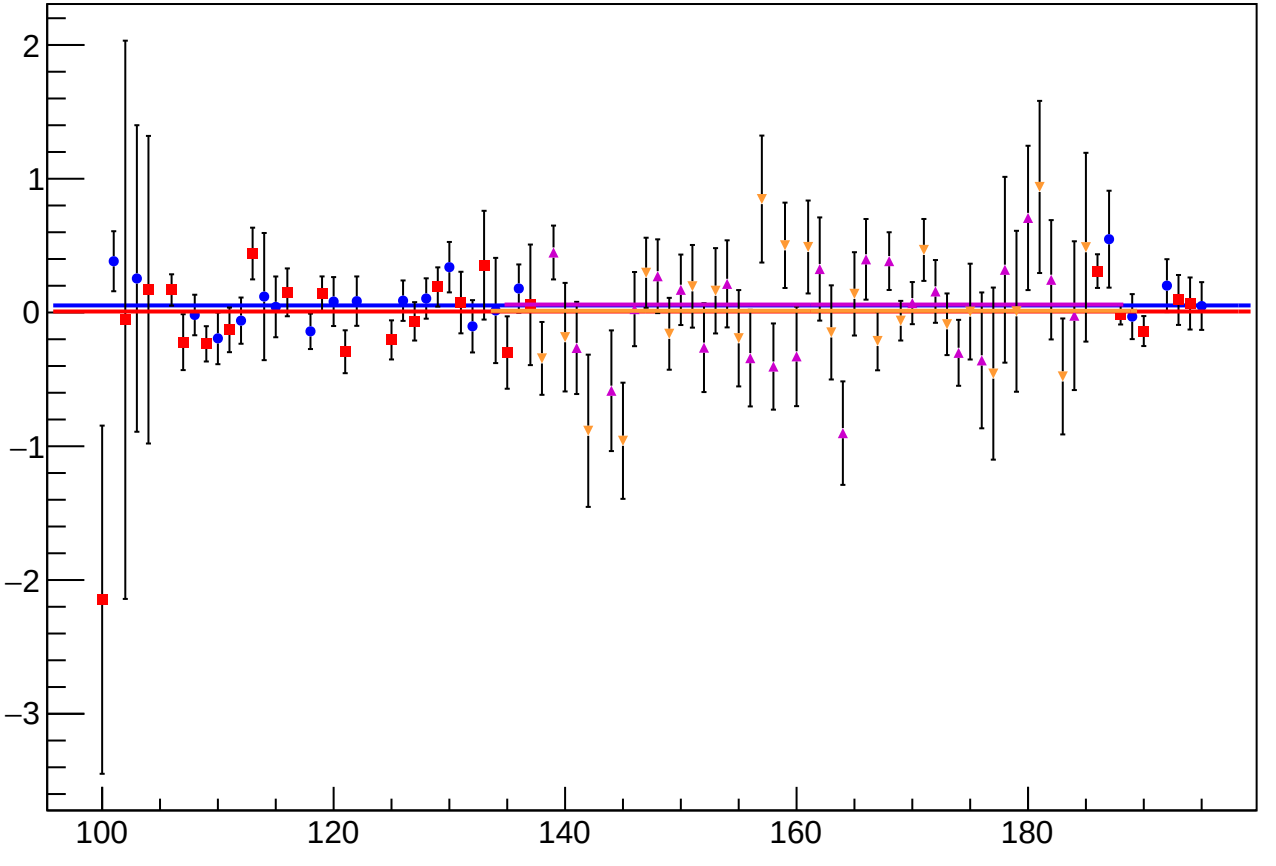
Right: 103.948+/-0.019 χ^2/NDF: 6544998.5/42

In: 162.783+/-0.025 χ^2/NDF:11181962.0/42

Out: 126.810+/-0.021 χ^2/NDF:18076574.0/46

All: 141.487+/-0.016 χ^2/NDF: 30490090.2/89

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.043 χ^2/NDF: 13.0/19

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.007+/-0.033 χ^2/NDF: 34.0/22

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

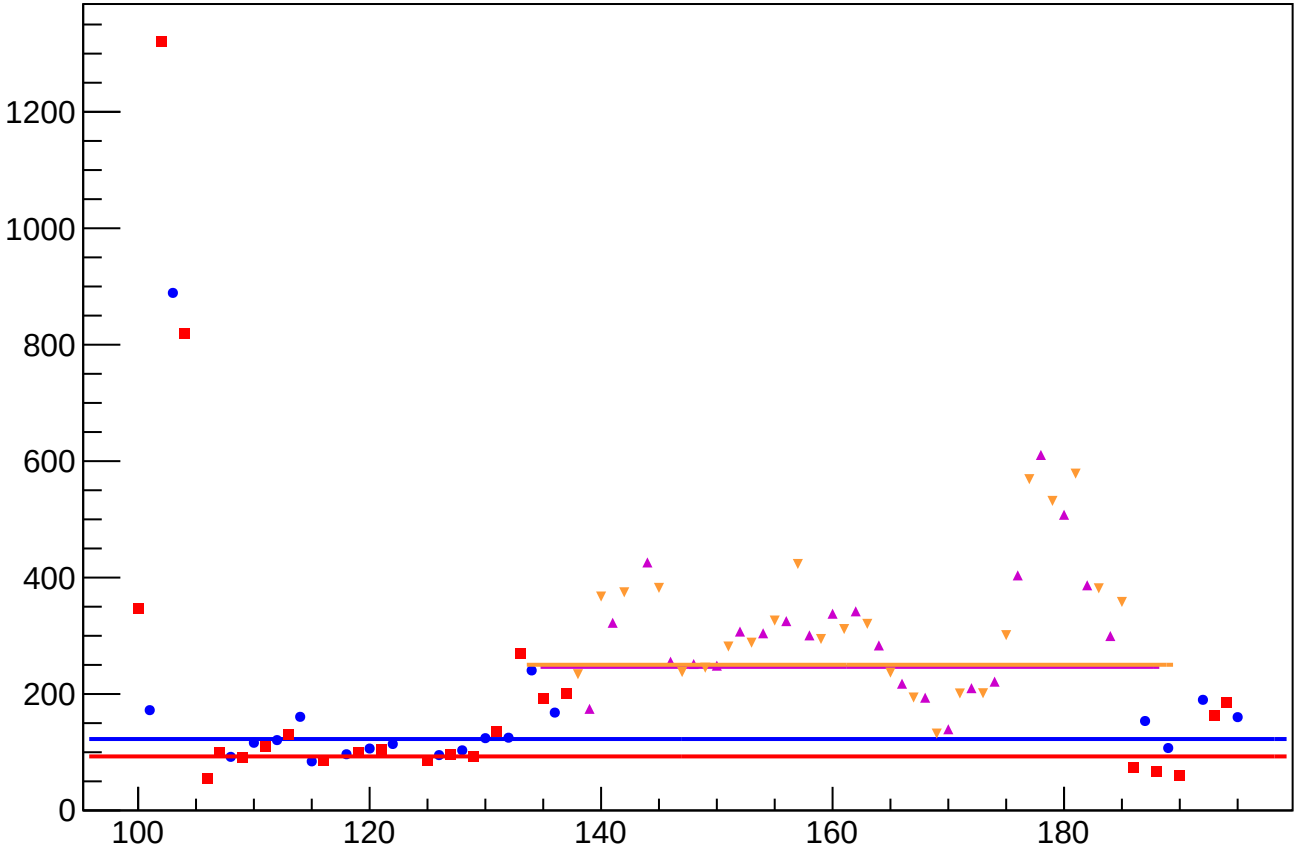
Right: 0.024+/-0.026 χ^2/NDF: 47.7/42

In: 0.055+/-0.035 χ^2/NDF:40.9/42

Out: 0.009+/-0.029 χ^2/NDF:63.3/46

All: 0.028+/-0.023 χ^2/NDF: 105.3/89

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.683+/-0.030 χ^2/NDF: 2003369.9/19

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 92.806+/-0.023 χ^2/NDF: 3932903.6/22

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

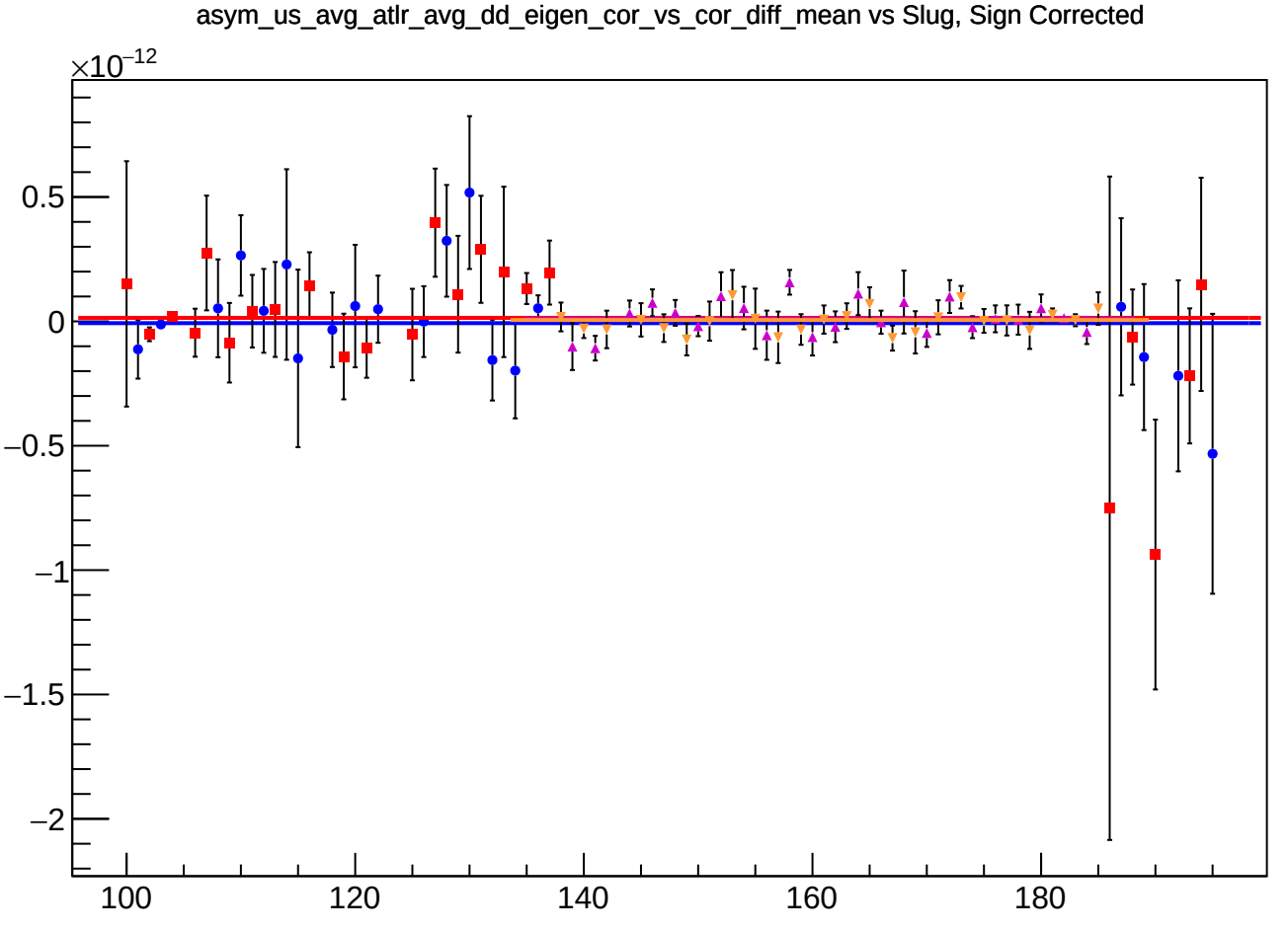
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 103.948+/-0.019 χ^2/NDF: 6544998.5/42

In: 162.783+/-0.025 χ^2/NDF:11181962.0/42

Out: 126.810+/-0.021 χ^2/NDF:18076574.0/46

All: 141.487+/-0.016 χ^2/NDF: 30490090.2/89



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/22

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

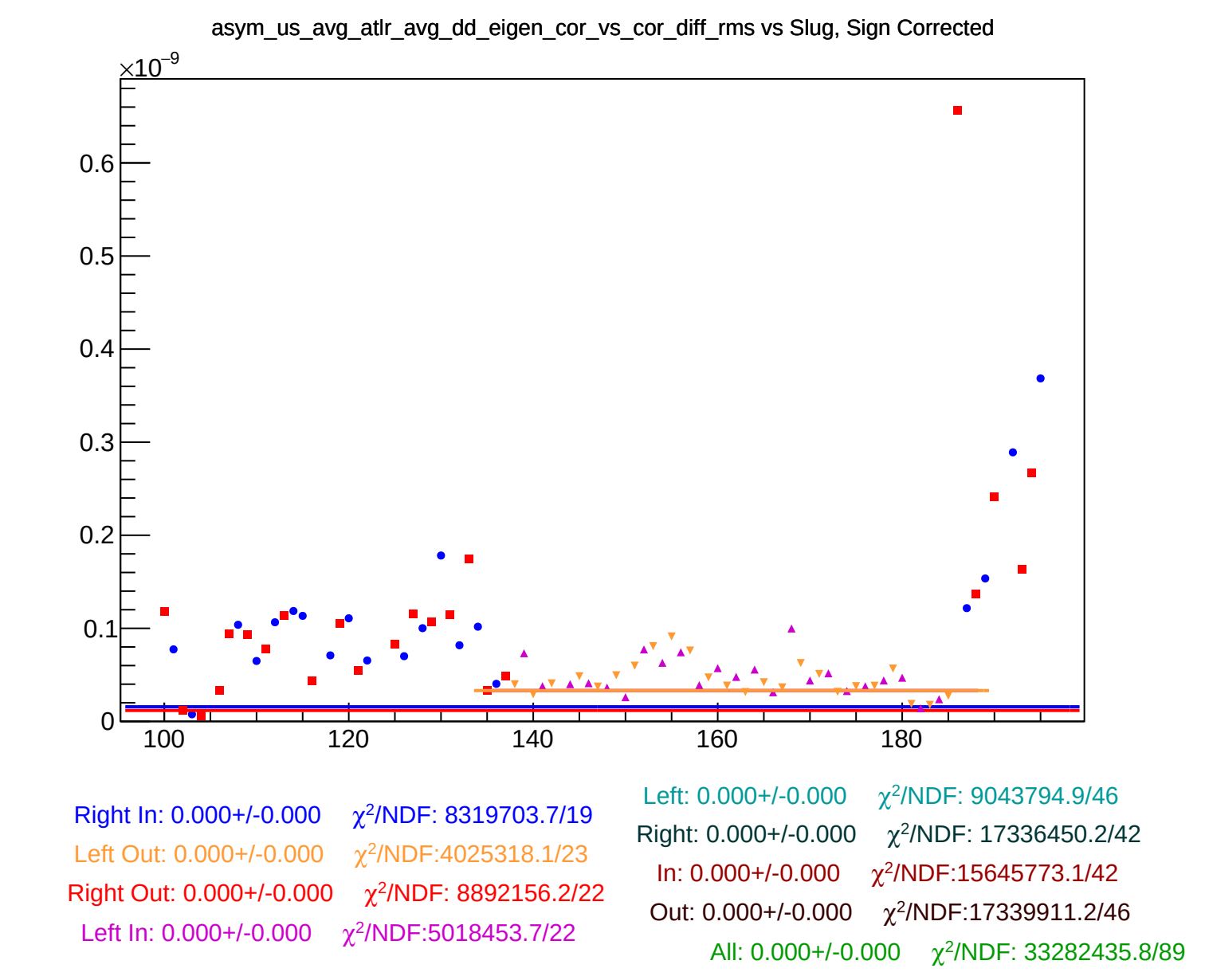
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

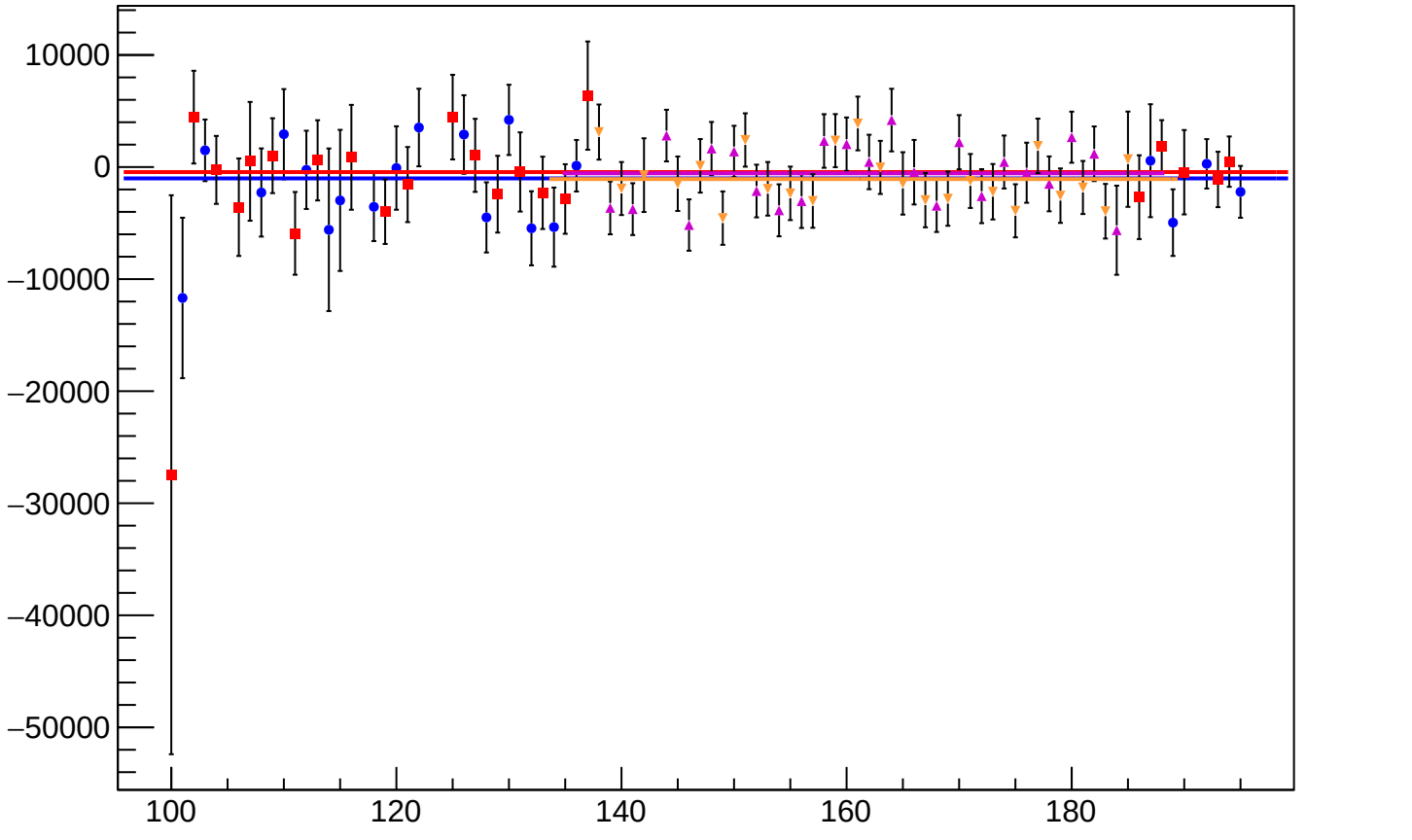
Right: 0.000+/-0.000 χ^2/NDF: 42.6/42

In: 0.000+/-0.000 χ^2/NDF:43.5/42

Out: 0.000+/-0.000 χ^2/NDF:40.5/46

All: 0.000+/-0.000 χ^2/NDF: 84.4/89


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
Right In: 0.000+/-0.000 χ²/NDF: 8319703.7/19
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 8892156.2/22
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: 17336450.2/42
In: 0.000+/-0.000 χ²/NDF:15645773.1/42
Out: 0.000+/-0.000 χ²/NDF:17339911.2/46
All: 0.000+/-0.000 χ²/NDF: 33282435.8/89



Right In: -1013.756+/-733.534 χ^2/NDF: 18.4/19

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -446.753+/-704.861 χ^2/NDF: 14.0/22

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

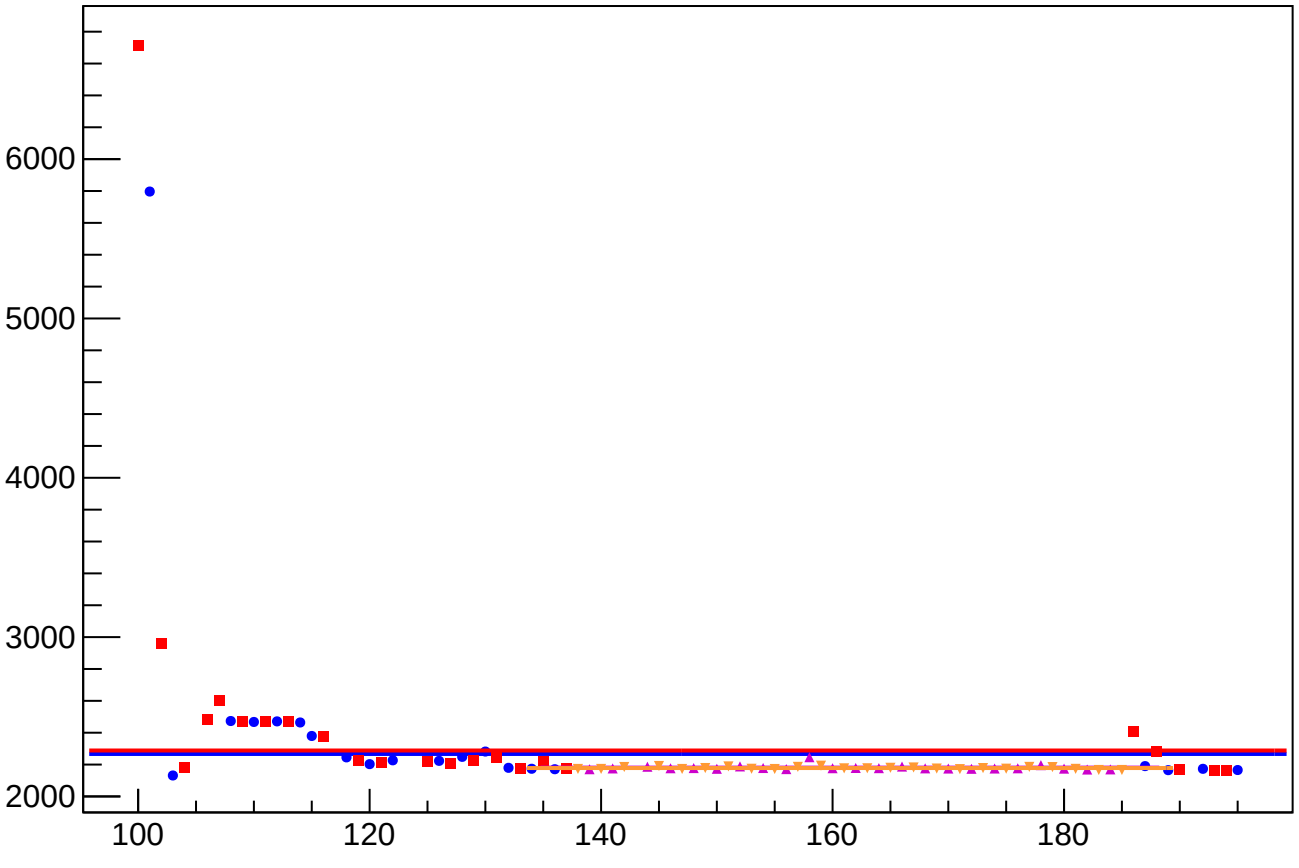
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -718.956+/-508.247 χ^2/NDF: 32.8/42

In: -705.566+/-418.299 χ^2/NDF:47.4/42

Out: -860.193+/-410.801 χ^2/NDF:36.1/46

All: -784.278+/-293.095 χ^2/NDF: 83.6/89



Right In: 2266.625+/-0.519 χ^2/NDF: 528534.3/19

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2288.341+/-0.498 χ^2/NDF: 170172.4/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

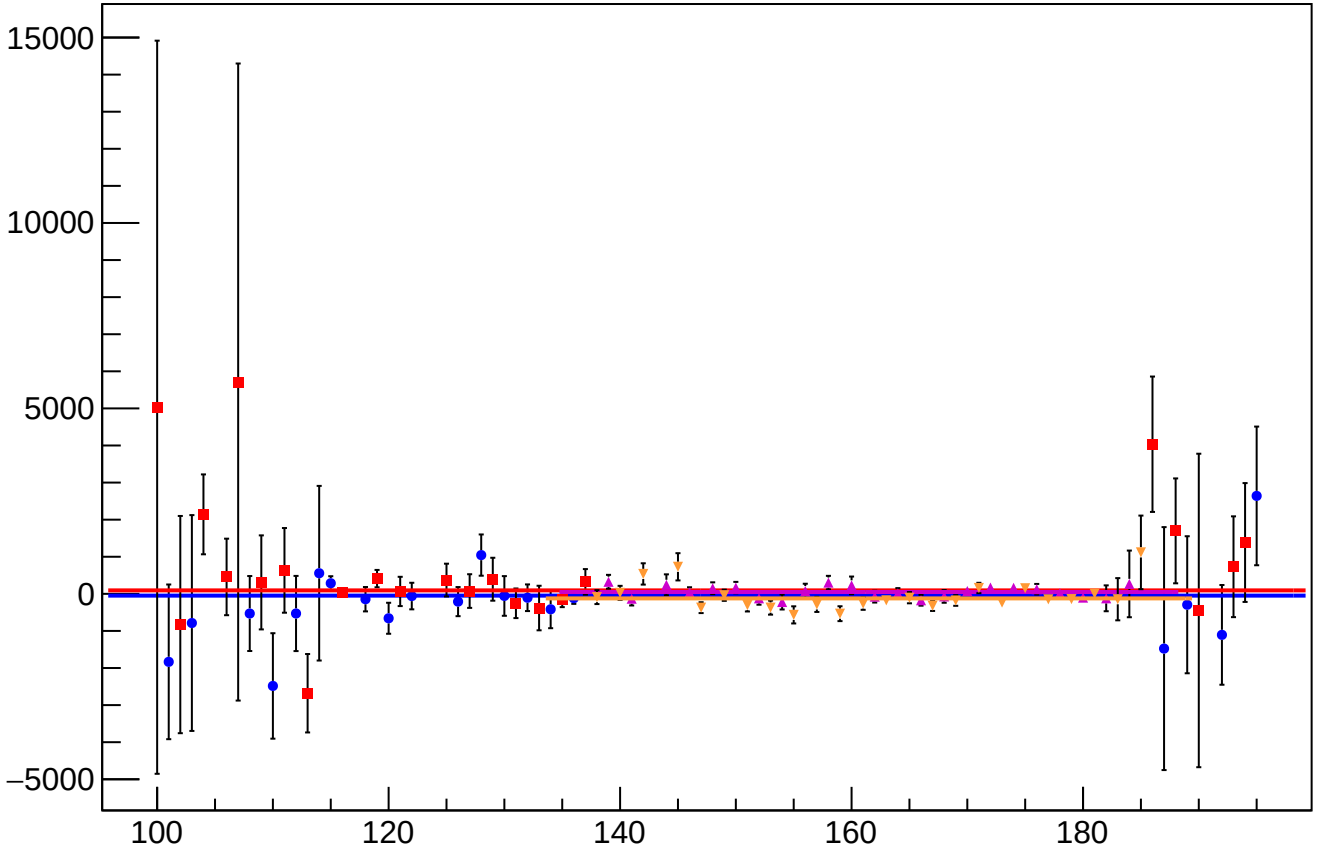
Right: 2277.915+/-0.359 χ^2/NDF: 699618.0/42

In: 2208.789+/-0.296 χ^2/NDF:548824.9/42

Out: 2215.641+/-0.290 χ^2/NDF:202782.0/46

All: 2212.277+/-0.207 χ^2/NDF: 751880.0/89

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -48.105+/-90.457 χ^2/NDF: 17.3/19

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 93.222+/-81.889 χ^2/NDF: 24.5/22

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

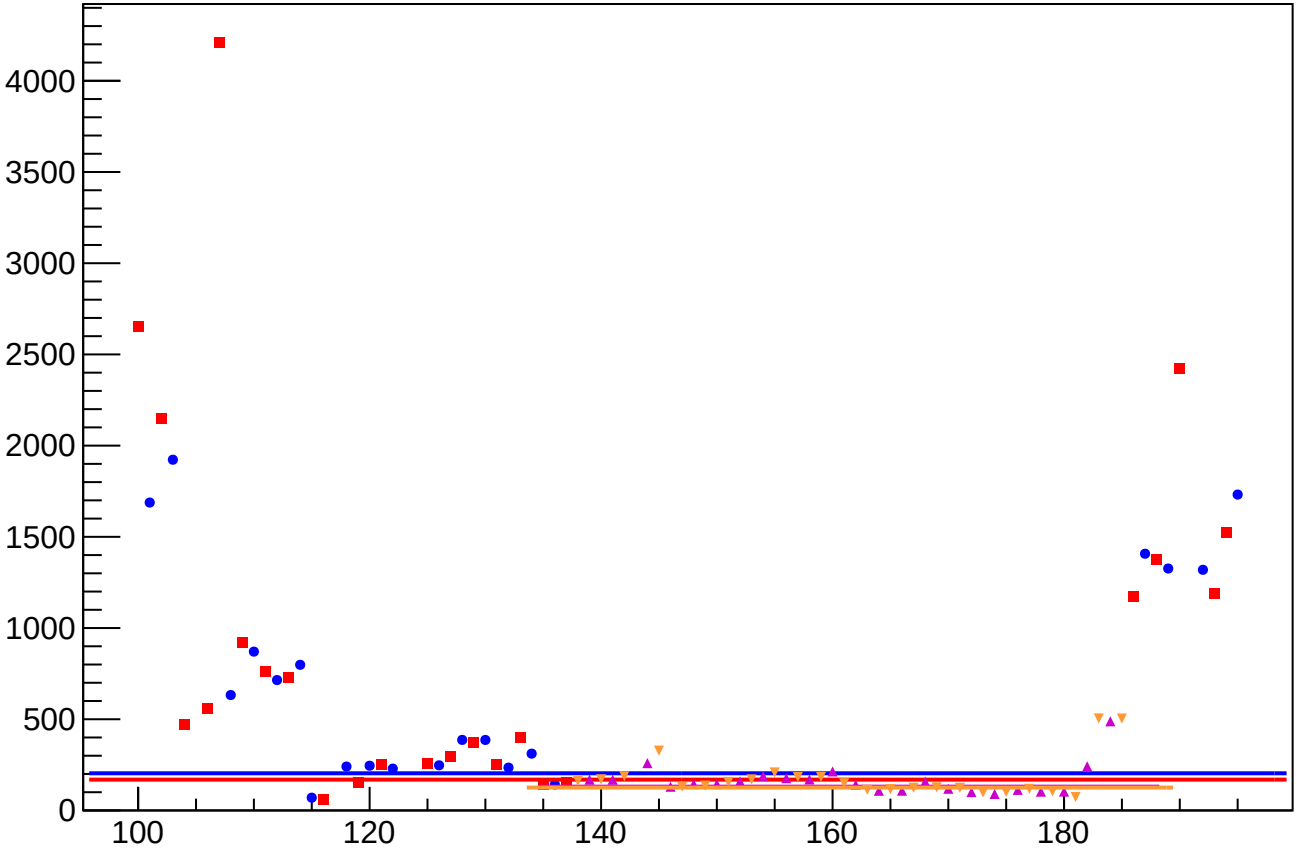
Right: 29.568+/-60.708 χ^2/NDF: 43.1/42

In: 39.037+/-30.623 χ^2/NDF:36.6/42

Out: -95.278+/-29.325 χ^2/NDF:74.4/46

All: -31.028+/-21.180 χ^2/NDF: 121.0/89

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 203.740+/-0.064 χ^2/NDF: 8822920.9/19

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 168.998+/-0.058 χ^2/NDF: 11397994.9/22

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

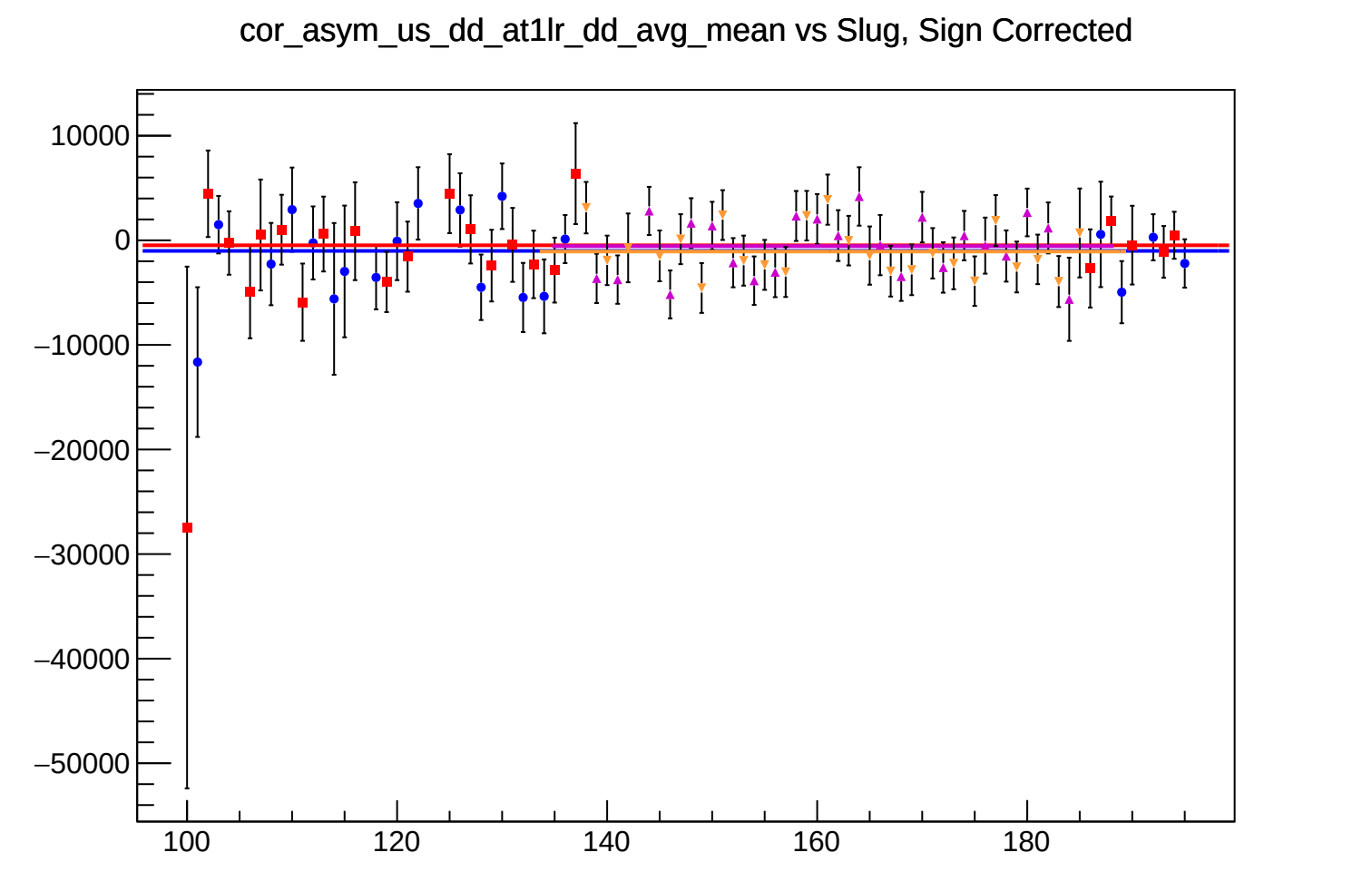
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 184.646+/-0.043 χ^2/NDF: 20383059.6/42

In: 138.837+/-0.022 χ^2/NDF:12665494.5/42

Out: 131.084+/-0.021 χ^2/NDF:15832549.2/46

All: 134.793+/-0.015 χ^2/NDF: 28564927.5/89



Right In: -1013.102+/-733.534 χ^2/NDF: 18.4/19

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -477.419+/-705.245 χ^2/NDF: 14.5/22

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

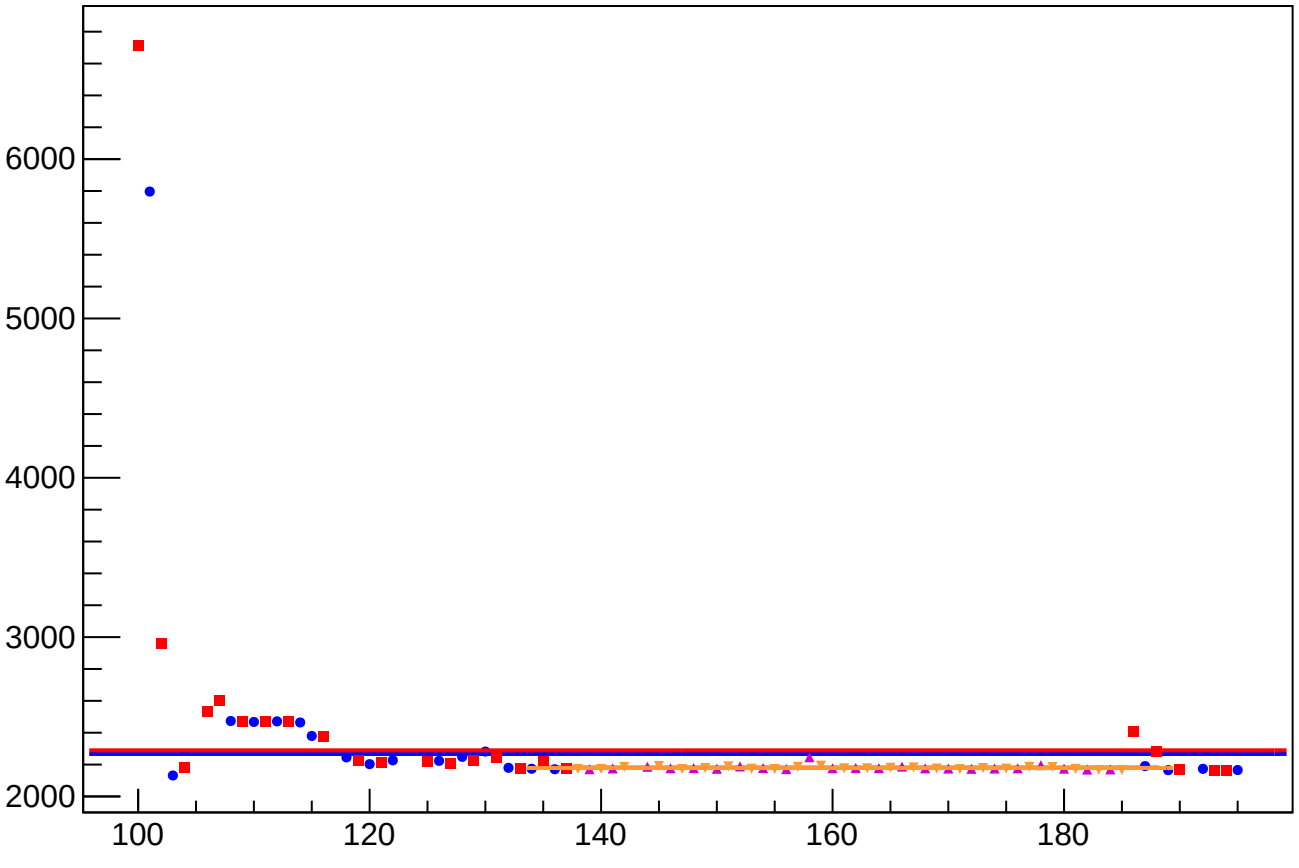
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -734.732+/-508.391 χ^2/NDF: 33.2/42

In: -705.372+/-418.299 χ^2/NDF:47.4/42

Out: -870.709+/-410.877 χ^2/NDF:36.5/46

All: -789.521+/-293.123 χ^2/NDF: 84.0/89



Right In: 2266.625+/-0.519 χ^2/NDF: 528534.6/19

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2289.405+/-0.499 χ^2/NDF: 172268.6/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

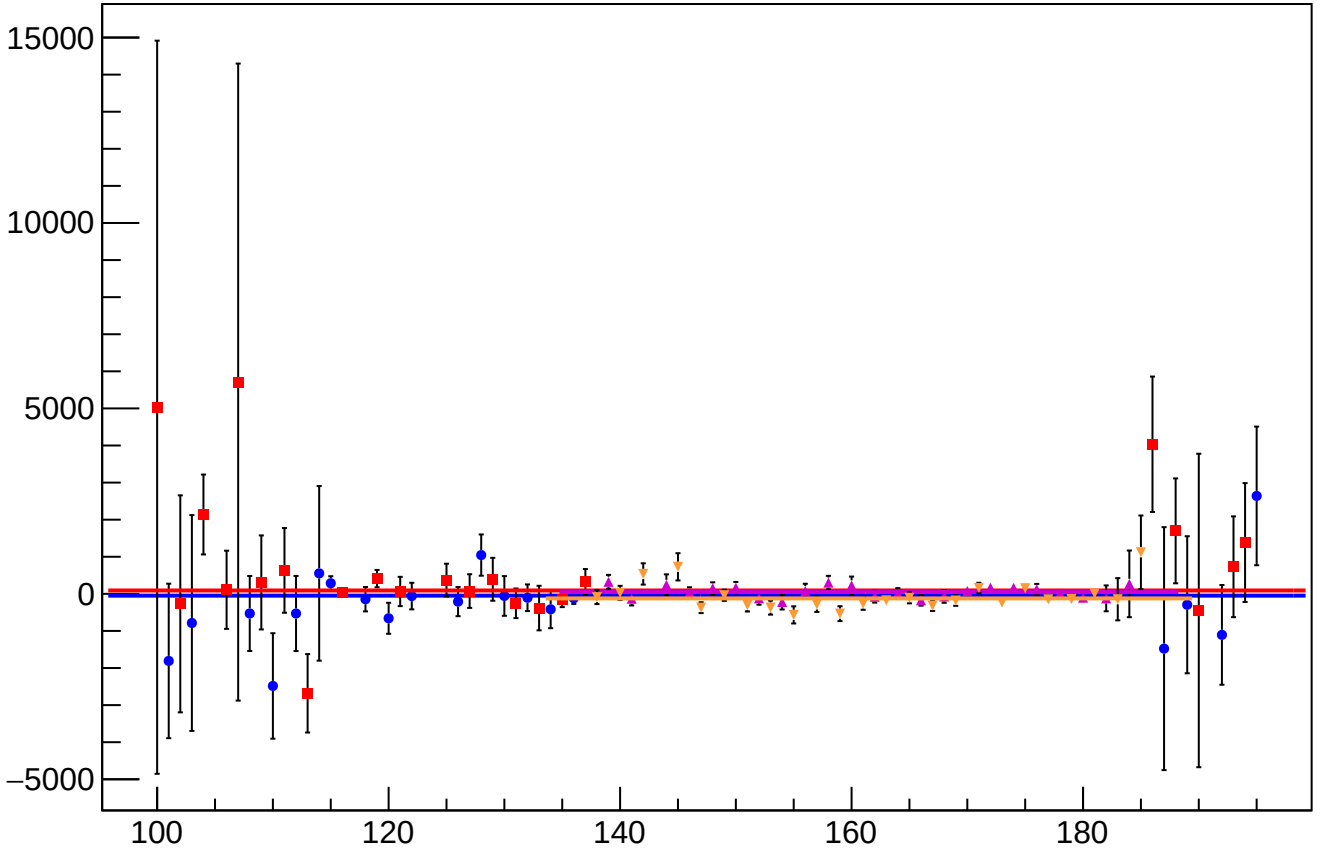
Right: 2278.462+/-0.359 χ^2/NDF: 701805.5/42

In: 2208.789+/-0.296 χ^2/NDF:548825.2/42

Out: 2215.975+/-0.291 χ^2/NDF:205480.4/46

All: 2212.446+/-0.207 χ^2/NDF: 754605.9/89

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -48.138+/-90.463 χ^2/NDF: 17.3/19

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 91.217+/-81.828 χ^2/NDF: 24.3/22

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

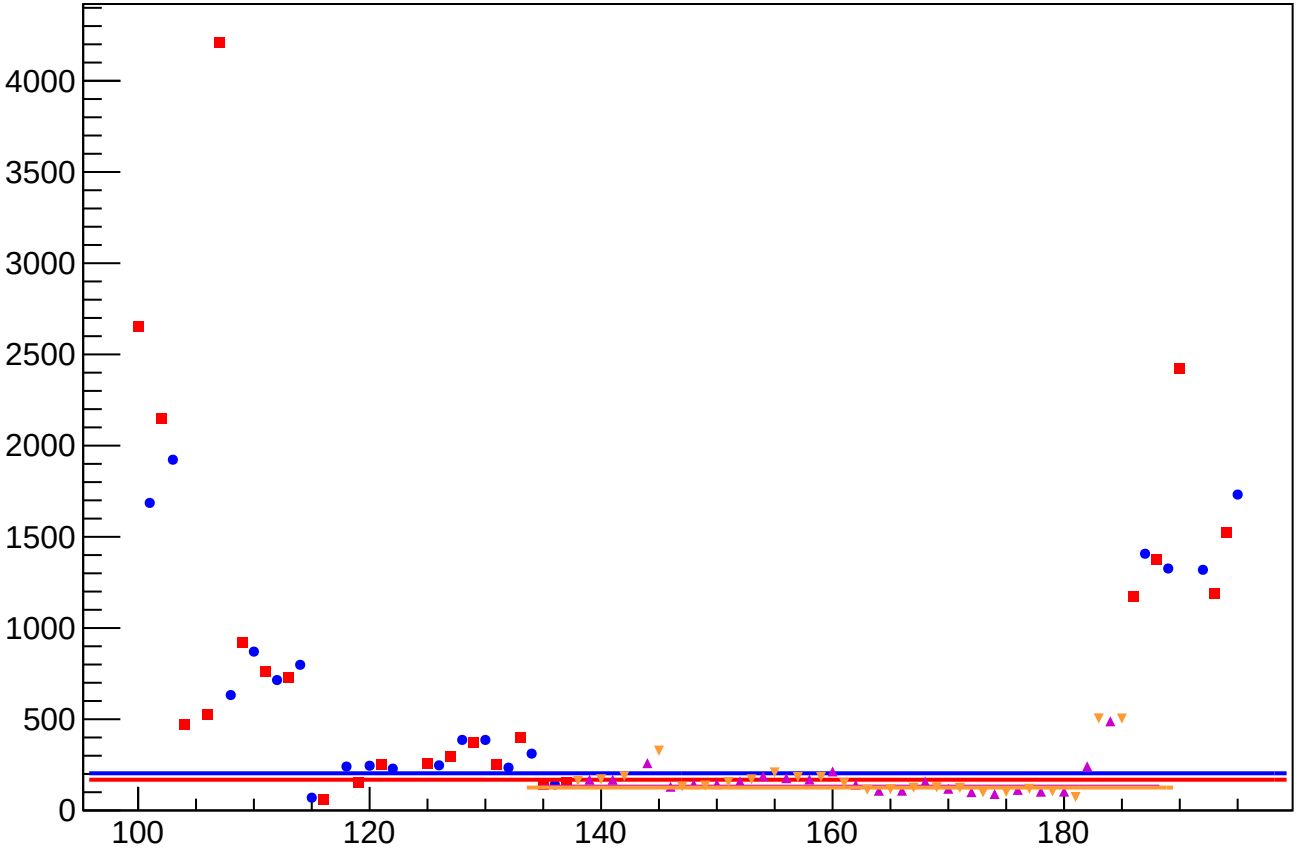
Right: 28.506+/-60.685 χ^2/NDF: 42.9/42

In: 38.937+/-30.626 χ^2/NDF:36.6/42

Out: -95.430+/-29.322 χ^2/NDF:74.1/46

All: -31.168+/-21.180 χ^2/NDF: 120.7/89

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 203.766+/-0.064 χ^2/NDF: 8821648.4/19

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 168.428+/-0.058 χ^2/NDF: 11357139.4/22

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

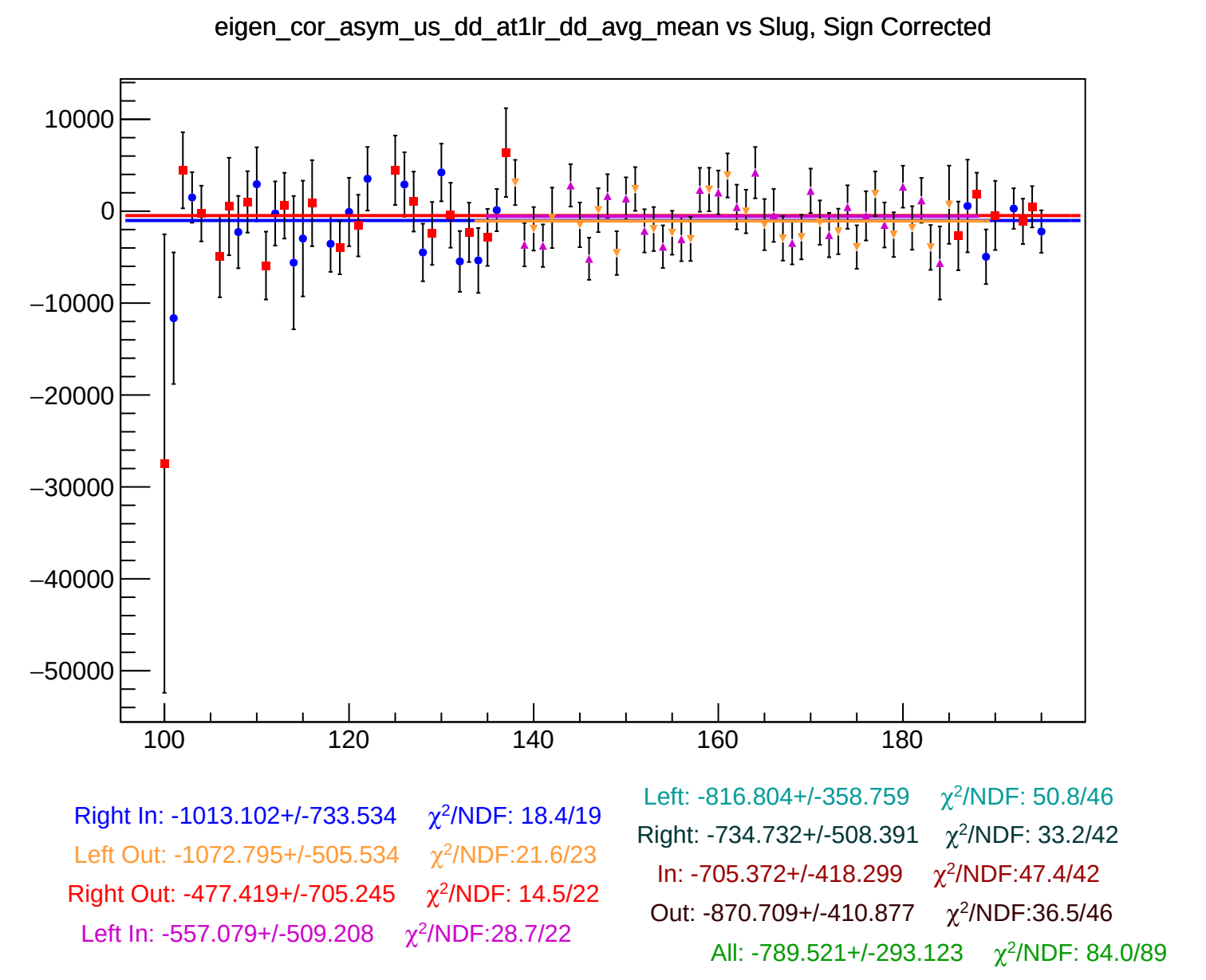
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

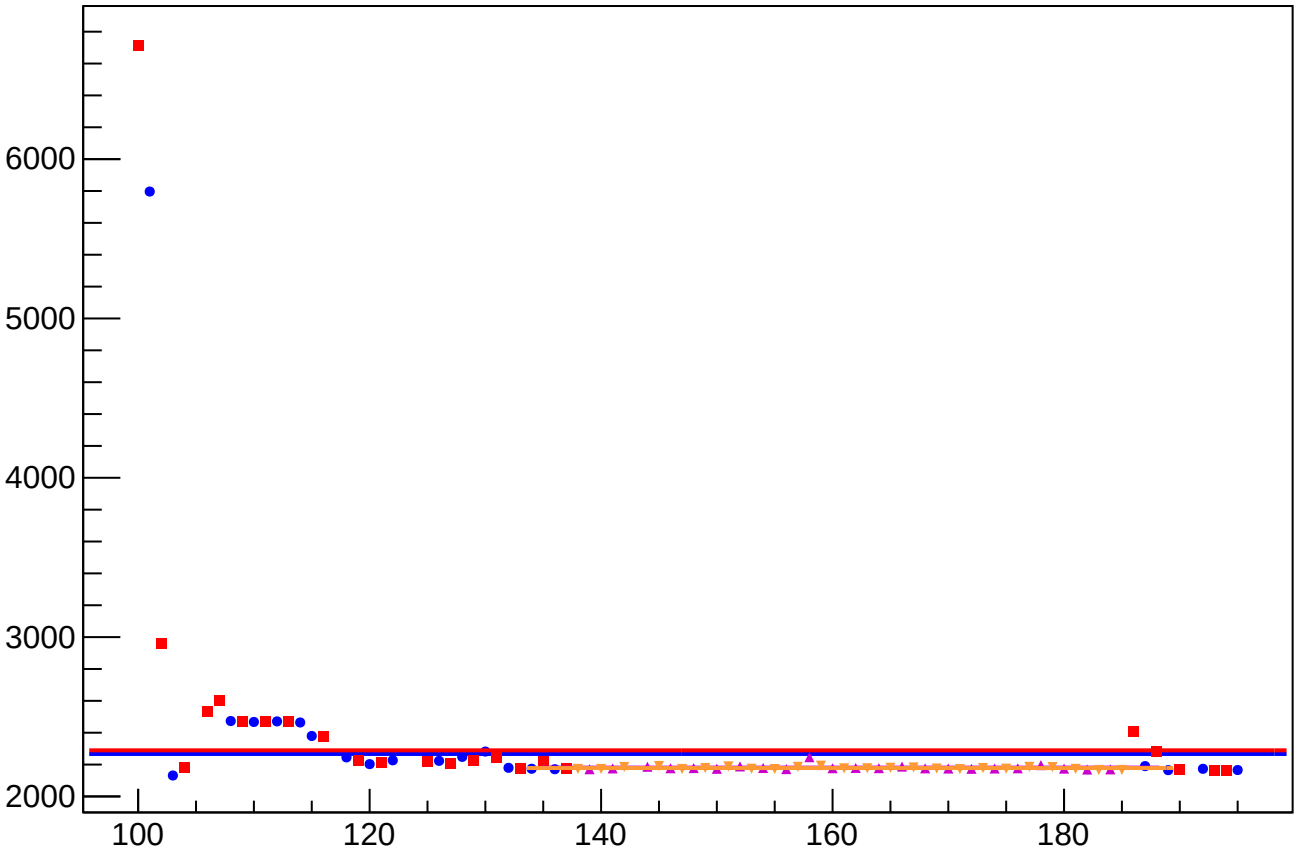
Right: 184.330+/-0.043 χ^2/NDF: 20346639.0/42

In: 138.854+/-0.022 χ^2/NDF:12664086.6/42

Out: 131.014+/-0.021 χ^2/NDF:15780414.3/46

All: 134.764+/-0.015 χ^2/NDF: 28512872.4/89


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: -1013.102+/-733.534 χ²/NDF: 18.4/19
Left Out: -1072.795+/-505.534 χ²/NDF:21.6/23
Right Out: -477.419+/-705.245 χ²/NDF: 14.5/22
Left In: -557.079+/-509.208 χ²/NDF:28.7/22
Left: -816.804+/-358.759 χ²/NDF: 50.8/46
Right: -734.732+/-508.391 χ²/NDF: 33.2/42
In: -705.372+/-418.299 χ²/NDF:47.4/42
Out: -870.709+/-410.877 χ²/NDF:36.5/46
All: -789.521+/-293.123 χ²/NDF: 84.0/89



Right In: 2266.625+/-0.519 χ^2/NDF: 528534.6/19

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2289.405+/-0.499 χ^2/NDF: 172268.6/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

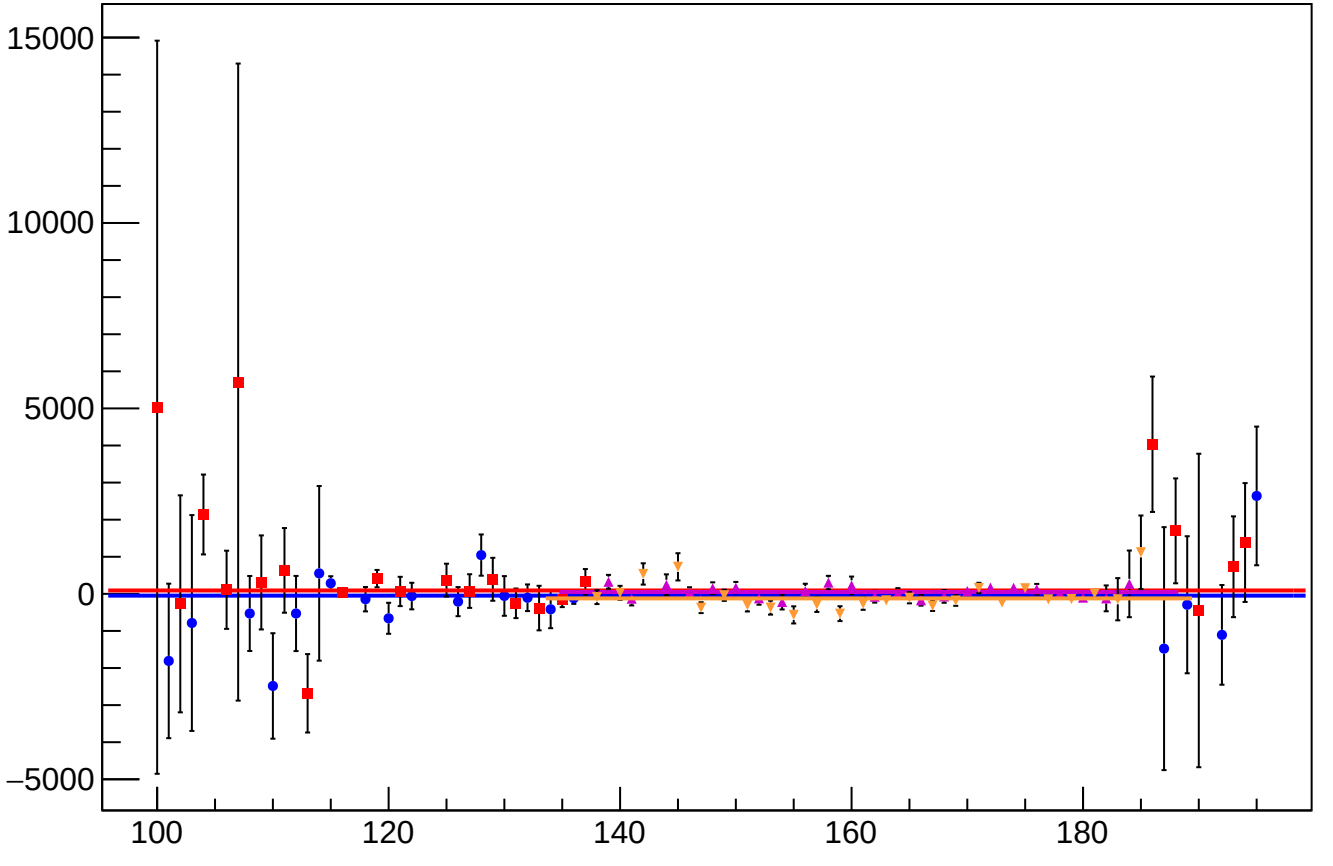
Right: 2278.462+/-0.359 χ^2/NDF: 701805.5/42

In: 2208.789+/-0.296 χ^2/NDF:548825.2/42

Out: 2215.975+/-0.291 χ^2/NDF:205480.4/46

All: 2212.446+/-0.207 χ^2/NDF: 754605.9/89

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -48.138+/-90.463 χ^2/NDF: 17.3/19

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 91.217+/-81.828 χ^2/NDF: 24.3/22

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

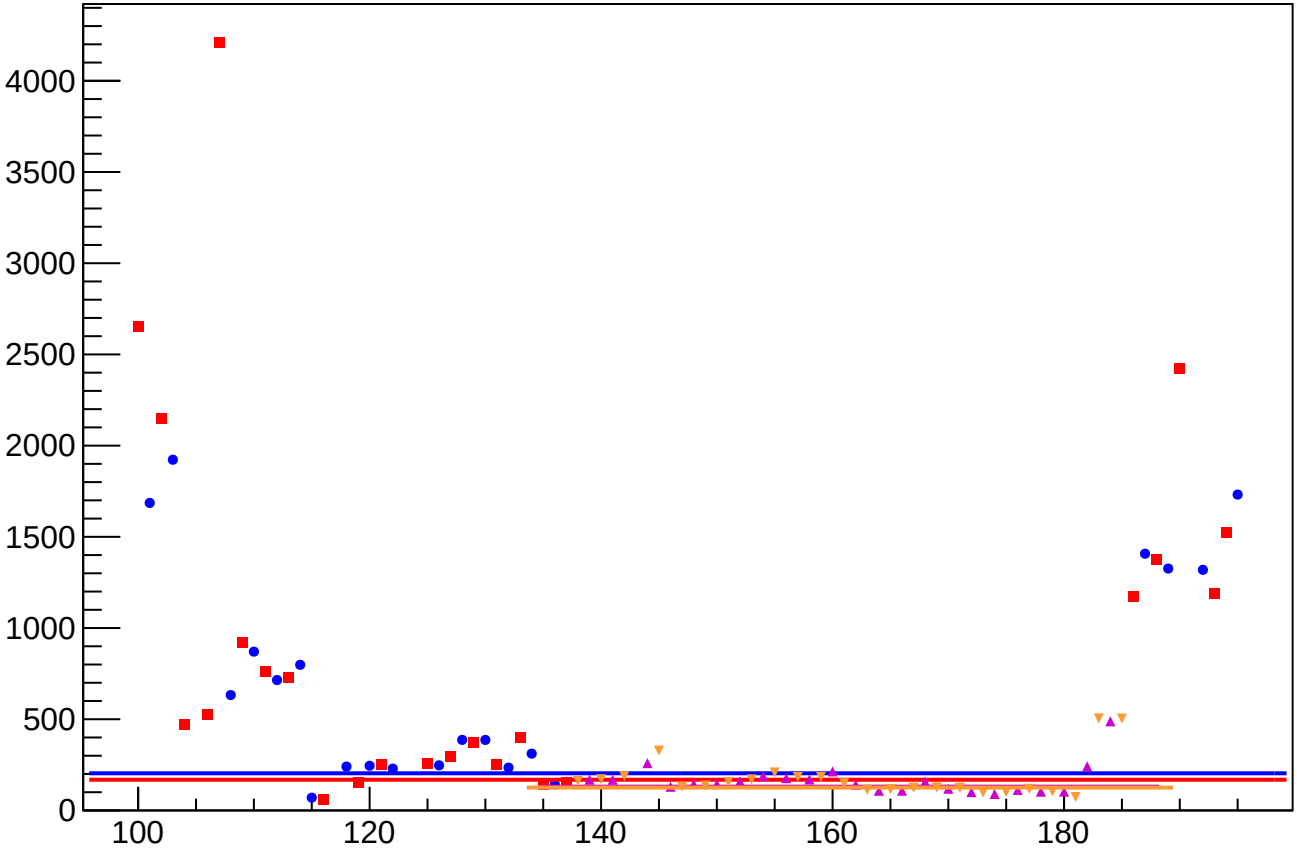
Right: 28.506+/-60.685 χ^2/NDF: 42.9/42

In: 38.937+/-30.626 χ^2/NDF:36.6/42

Out: -95.430+/-29.322 χ^2/NDF:74.1/46

All: -31.168+/-21.180 χ^2/NDF: 120.7/89

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 203.766+/-0.064 χ^2/NDF: 8821648.4/19

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 168.428+/-0.058 χ^2/NDF: 11357139.4/22

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

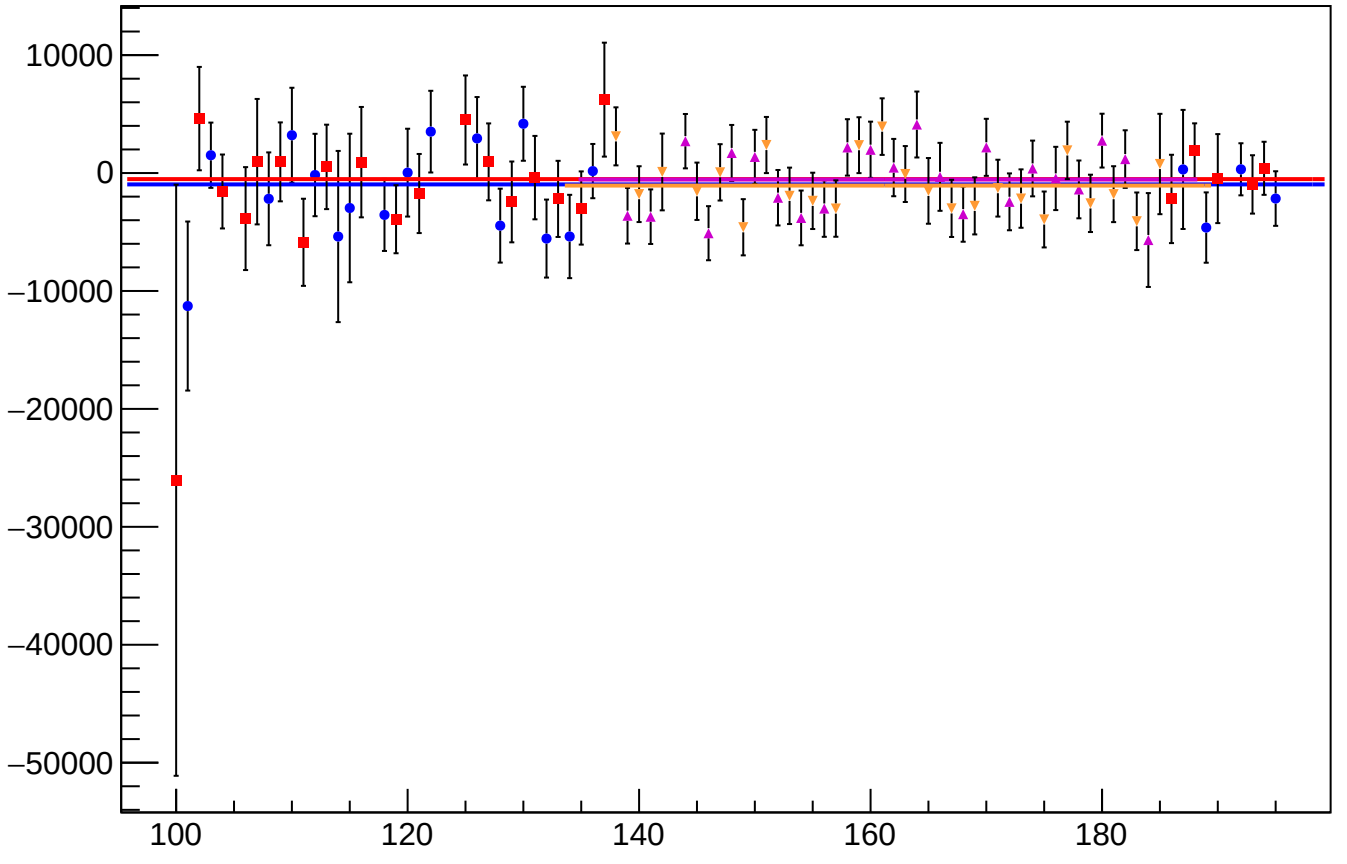
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 184.330+/-0.043 χ^2/NDF: 20346639.0/42

In: 138.854+/-0.022 χ^2/NDF:12664086.6/42

Out: 131.014+/-0.021 χ^2/NDF:15780414.3/46

All: 134.764+/-0.015 χ^2/NDF: 28512872.4/89



Right In: -963.531+/-734.437 χ^2/NDF: 18.1/19

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -514.105+/-707.765 χ^2/NDF: 13.8/22

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

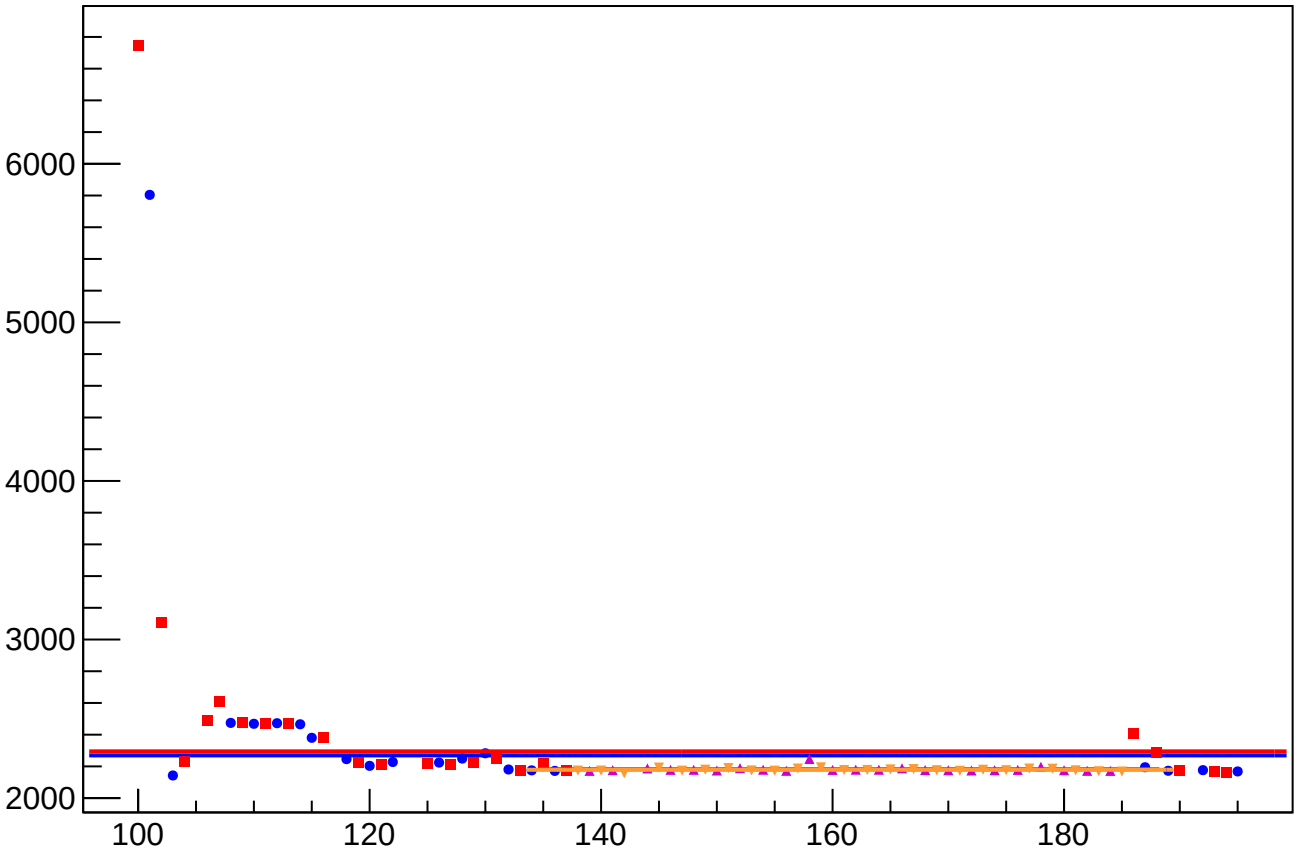
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -730.509+/-509.634 χ^2/NDF: 32.1/42

In: -680.457+/-418.591 χ^2/NDF:46.2/42

Out: -877.108+/-411.423 χ^2/NDF:36.0/46

All: -780.480+/-293.422 χ^2/NDF: 82.4/89



Right In: 2269.255+/-0.519 χ^2/NDF: 527731.2/19

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2294.789+/-0.500 χ^2/NDF: 186932.3/22

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

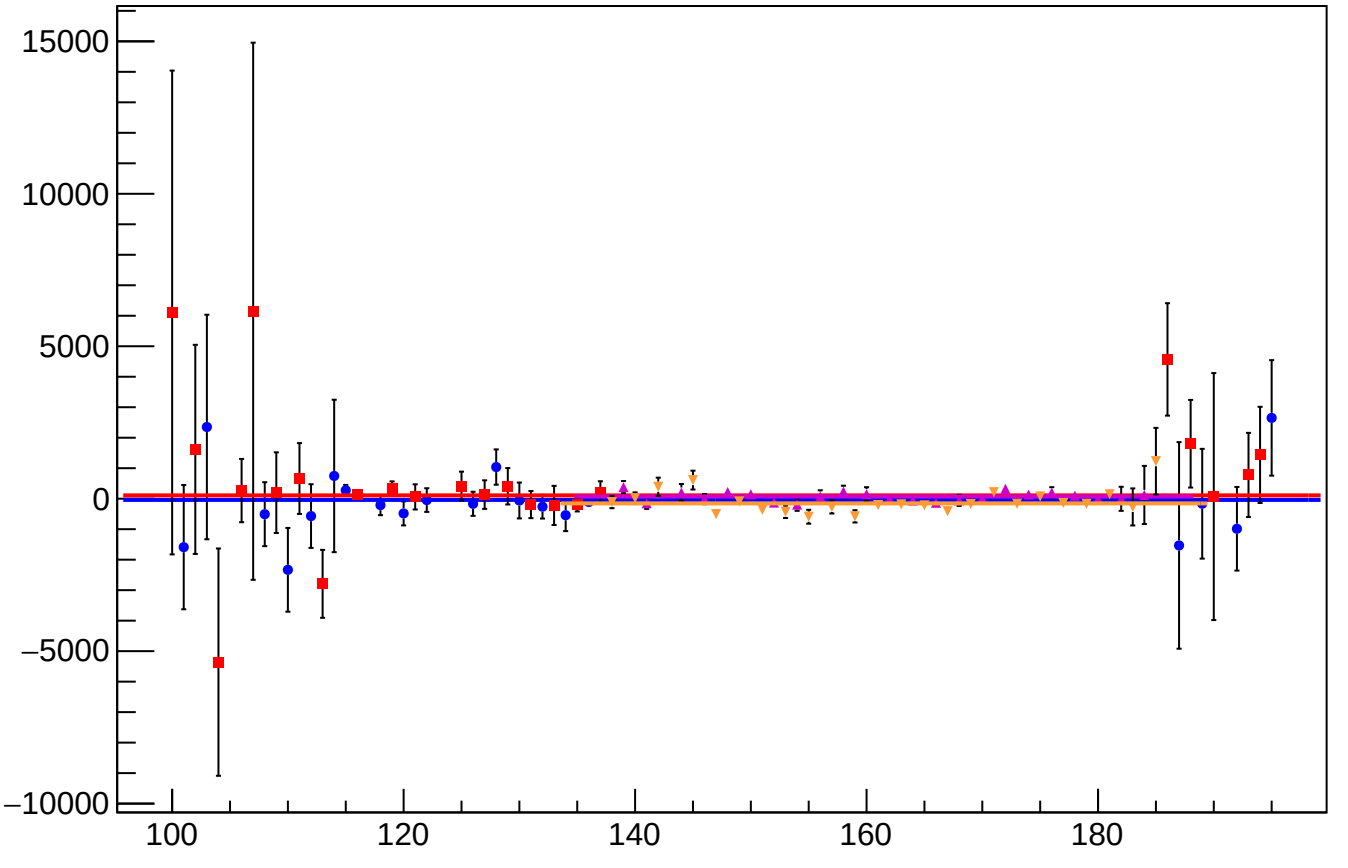
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2282.494+/-0.360 χ^2/NDF: 715916.9/42

In: 2210.265+/-0.296 χ^2/NDF:548680.1/42

Out: 2217.797+/-0.291 χ^2/NDF:223134.0/46

All: 2214.096+/-0.207 χ^2/NDF: 772143.5/89



Right In: -39.459+/-91.937 χ^2/NDF: 16.7/19

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 108.729+/-85.530 χ^2/NDF: 23.2/22

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

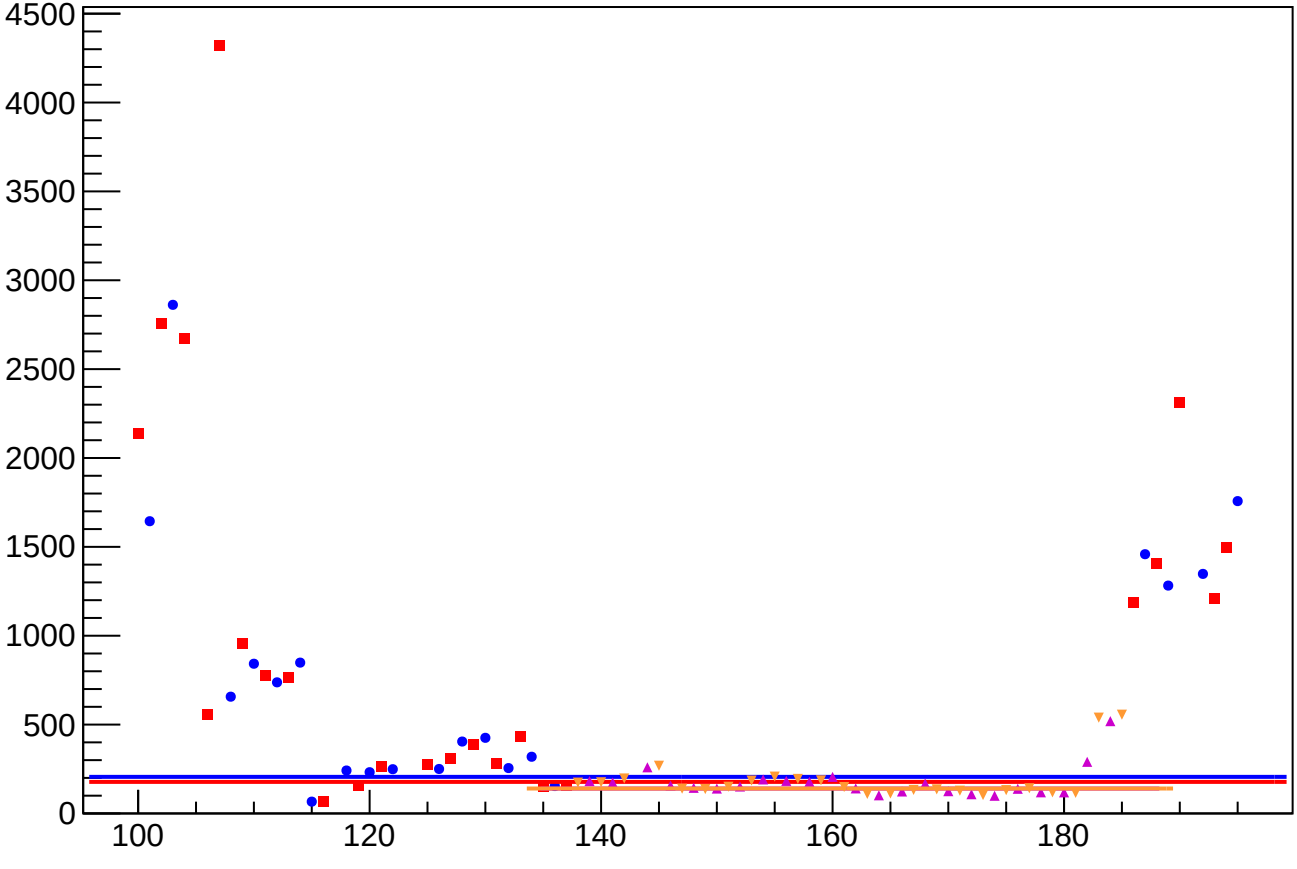
Right: 39.978+/-62.621 χ^2/NDF: 41.4/42

In: 56.816+/-32.058 χ^2/NDF:36.9/42

Out: -118.663+/-31.644 χ^2/NDF:78.7/46

All: -32.064+/-22.520 χ^2/NDF: 130.8/89

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 205.902+/-0.065 χ^2/NDF: 9372543.4/19

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 177.618+/-0.060 χ^2/NDF: 12261050.2/22

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

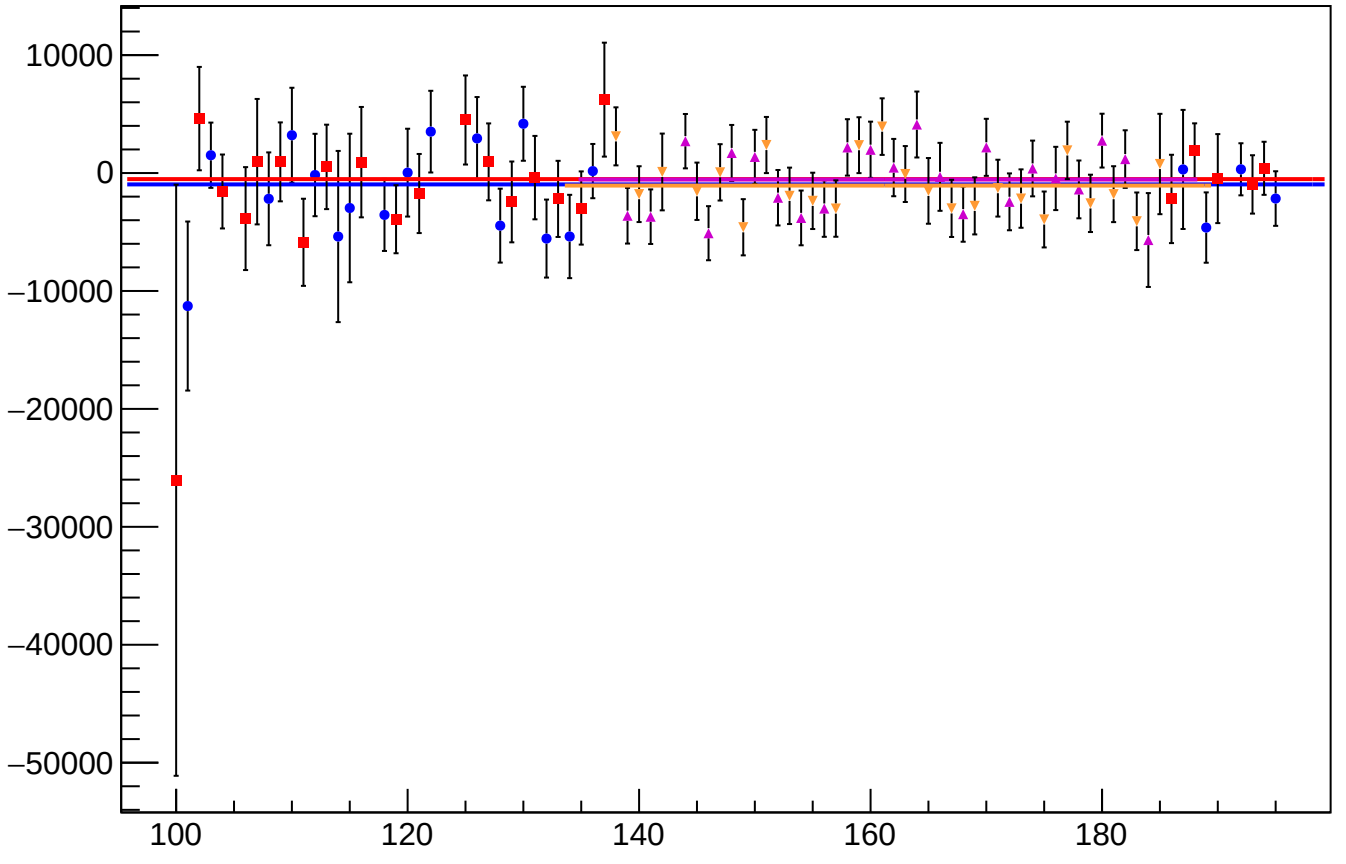
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 190.740+/-0.044 χ^2/NDF: 21735063.6/42

In: 147.994+/-0.023 χ^2/NDF:12688295.3/42

Out: 145.424+/-0.022 χ^2/NDF:15349633.7/46

All: 146.692+/-0.016 χ^2/NDF: 28044438.1/89



Right In: -963.531+/-734.437 χ^2/NDF: 18.1/19

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -514.105+/-707.765 χ^2/NDF: 13.8/22

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

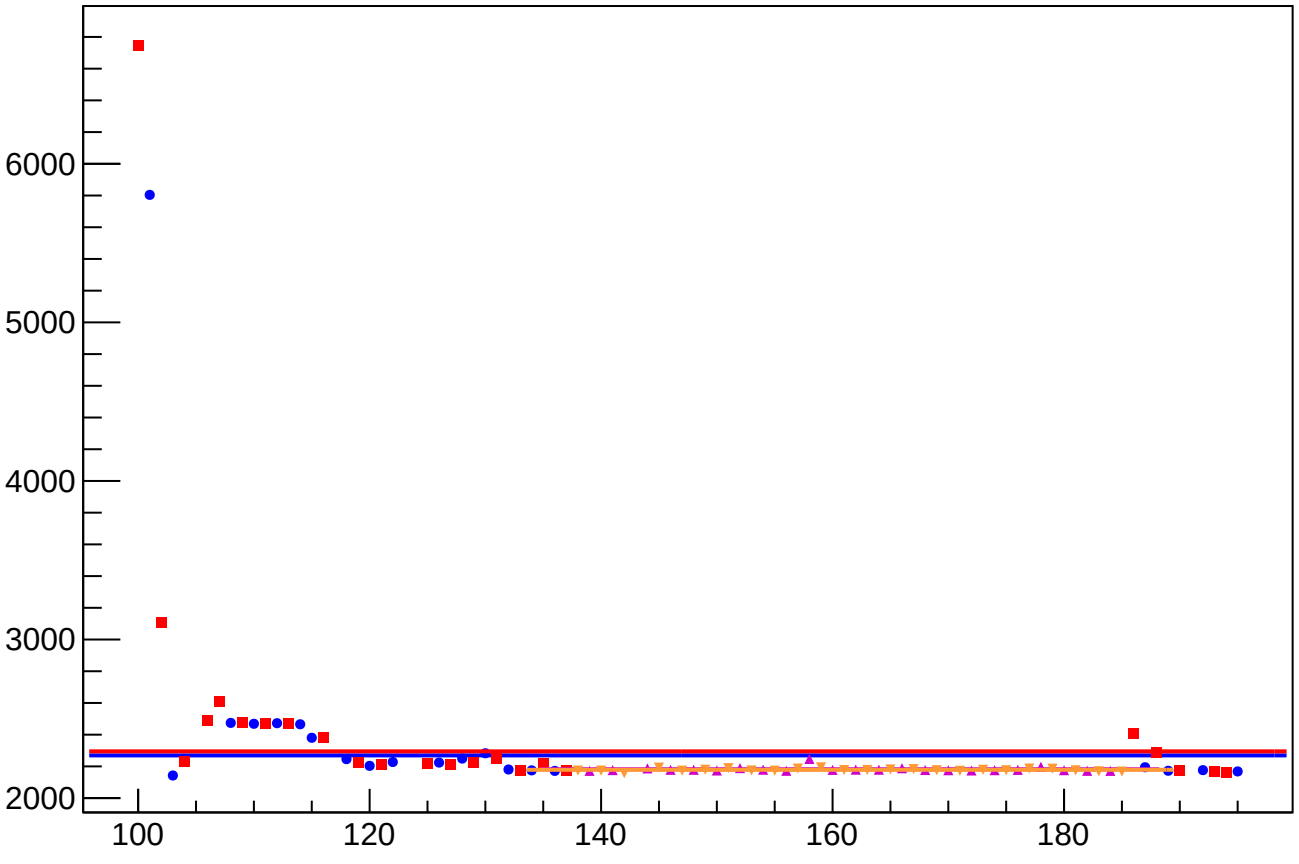
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -730.509+/-509.634 χ^2/NDF: 32.1/42

In: -680.456+/-418.591 χ^2/NDF:46.2/42

Out: -877.108+/-411.423 χ^2/NDF:36.0/46

All: -780.480+/-293.422 χ^2/NDF: 82.4/89



Right In: 2269.255+/-0.519 χ^2/NDF: 527731.2/19

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2294.789+/-0.500 χ^2/NDF: 186932.2/22

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

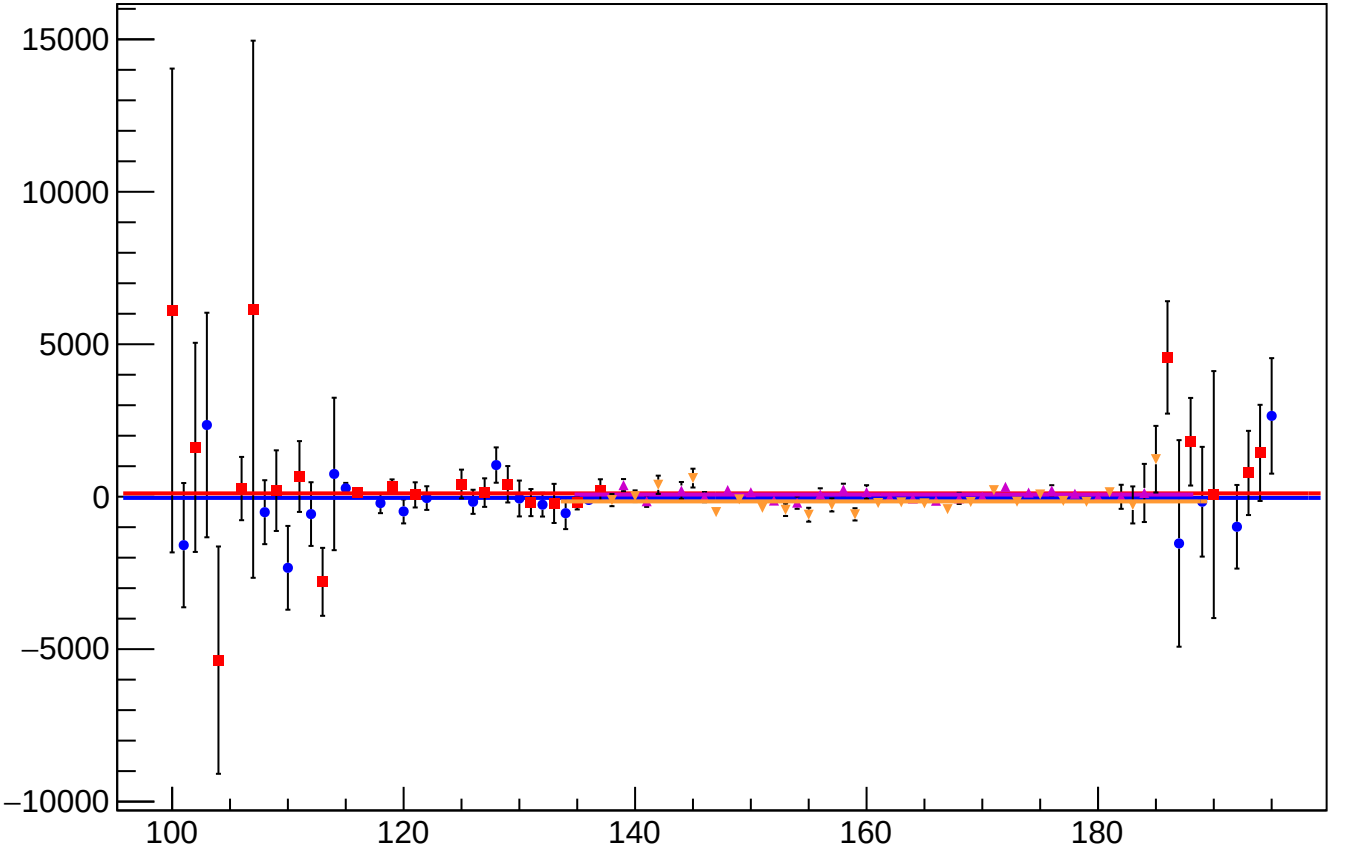
Right: 2282.494+/-0.360 χ^2/NDF: 715916.8/42

In: 2210.265+/-0.296 χ^2/NDF:548680.1/42

Out: 2217.797+/-0.291 χ^2/NDF:223133.8/46

All: 2214.096+/-0.207 χ^2/NDF: 772143.4/89

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -39.456+/-91.936 χ^2/NDF: 16.7/19

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 108.729+/-85.529 χ^2/NDF: 23.2/22

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

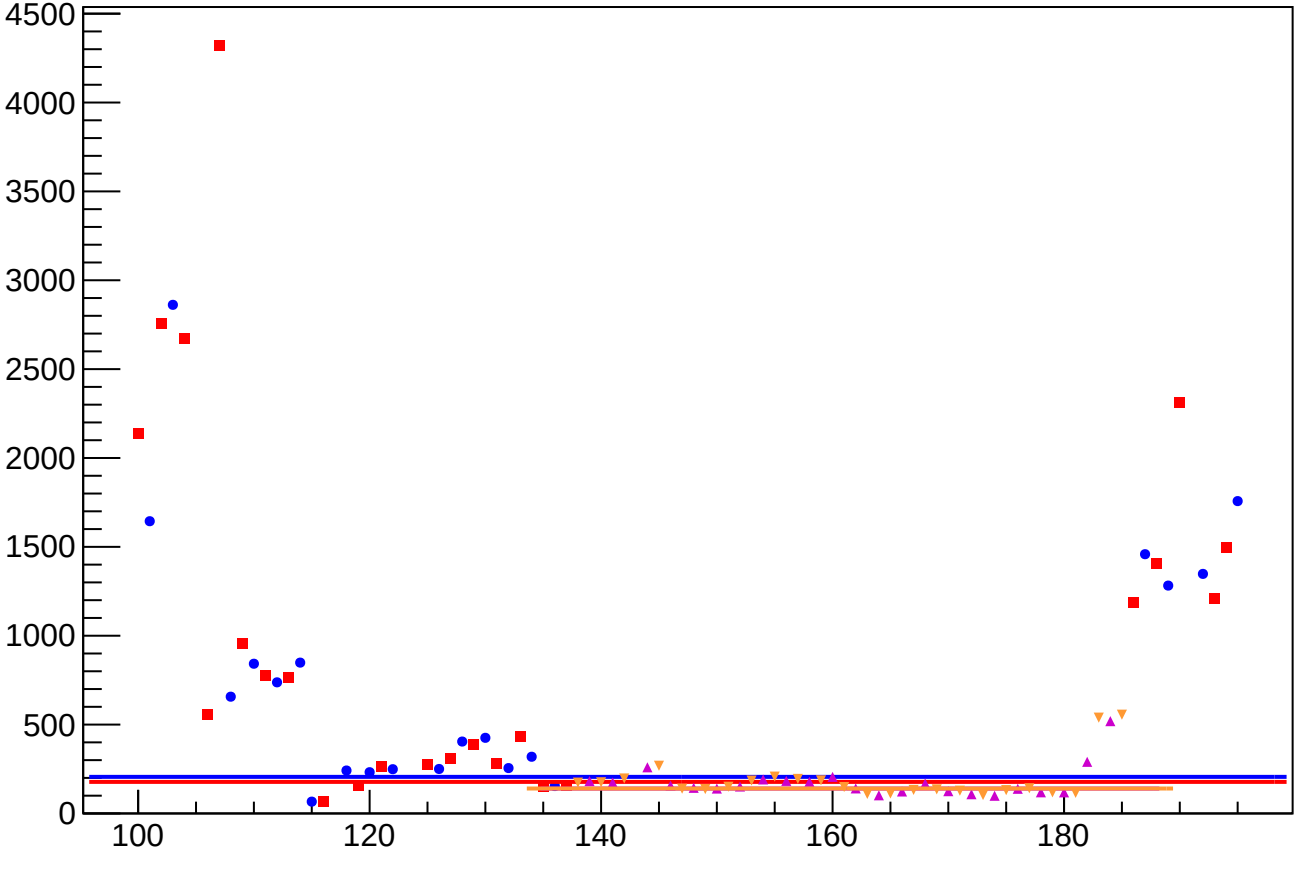
Right: 39.979+/-62.621 χ^2/NDF: 41.4/42

In: 56.815+/-32.058 χ^2/NDF:36.9/42

Out: -118.664+/-31.644 χ^2/NDF:78.7/46

All: -32.064+/-22.520 χ^2/NDF: 130.8/89

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 205.900+/-0.065 χ^2/NDF: 9372594.2/19

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 177.616+/-0.060 χ^2/NDF: 12261127.3/22

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

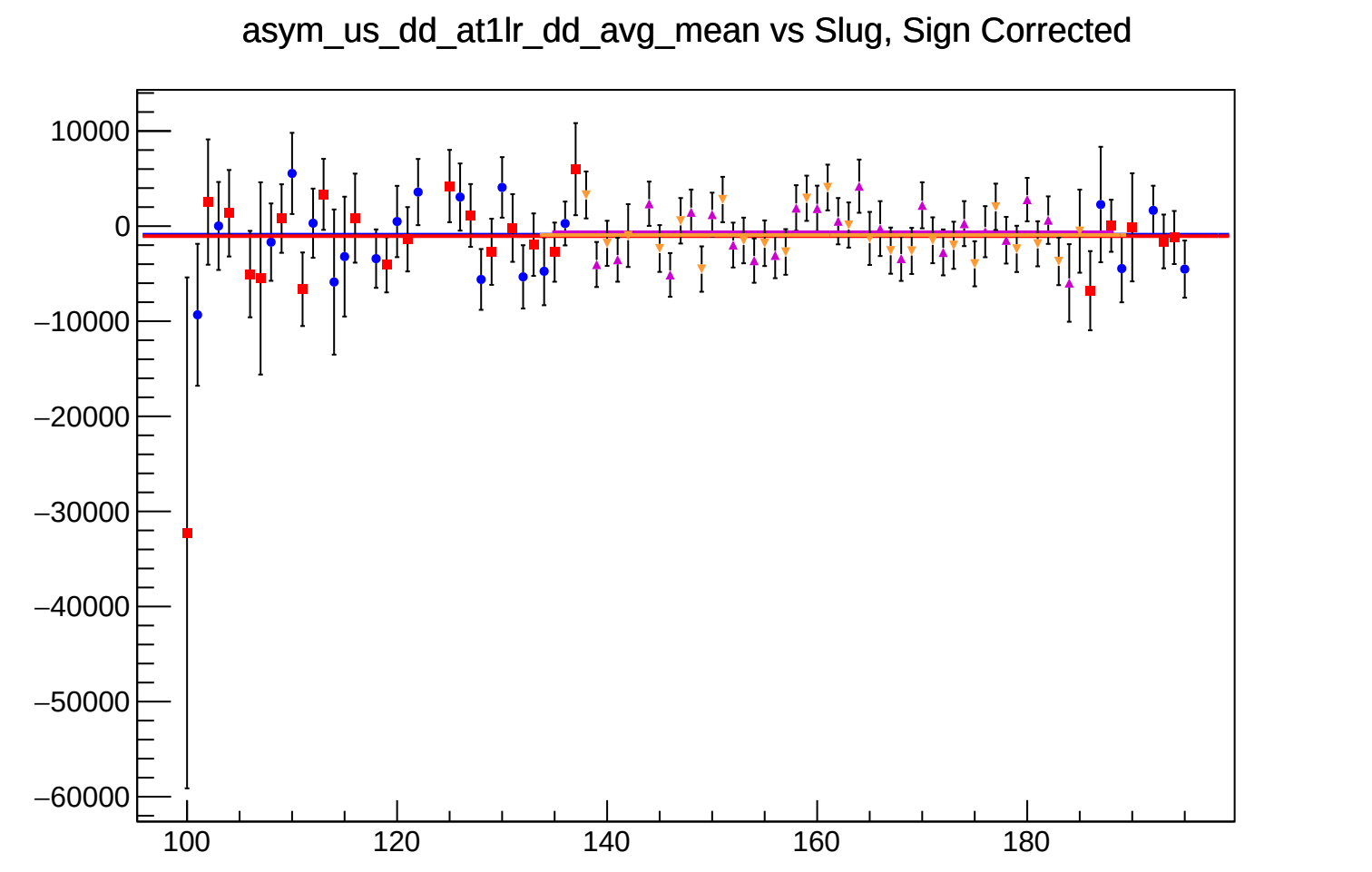
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 190.738+/-0.044 χ^2/NDF: 21735193.7/42

In: 147.994+/-0.023 χ^2/NDF:12688341.7/42

Out: 145.424+/-0.022 χ^2/NDF:15349661.5/46

All: 146.692+/-0.016 χ^2/NDF: 28044511.8/89



Right In: -901.518+/-801.334 χ^2/NDF: 19.5/19

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1055.313+/-782.041 χ^2/NDF: 15.1/22

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

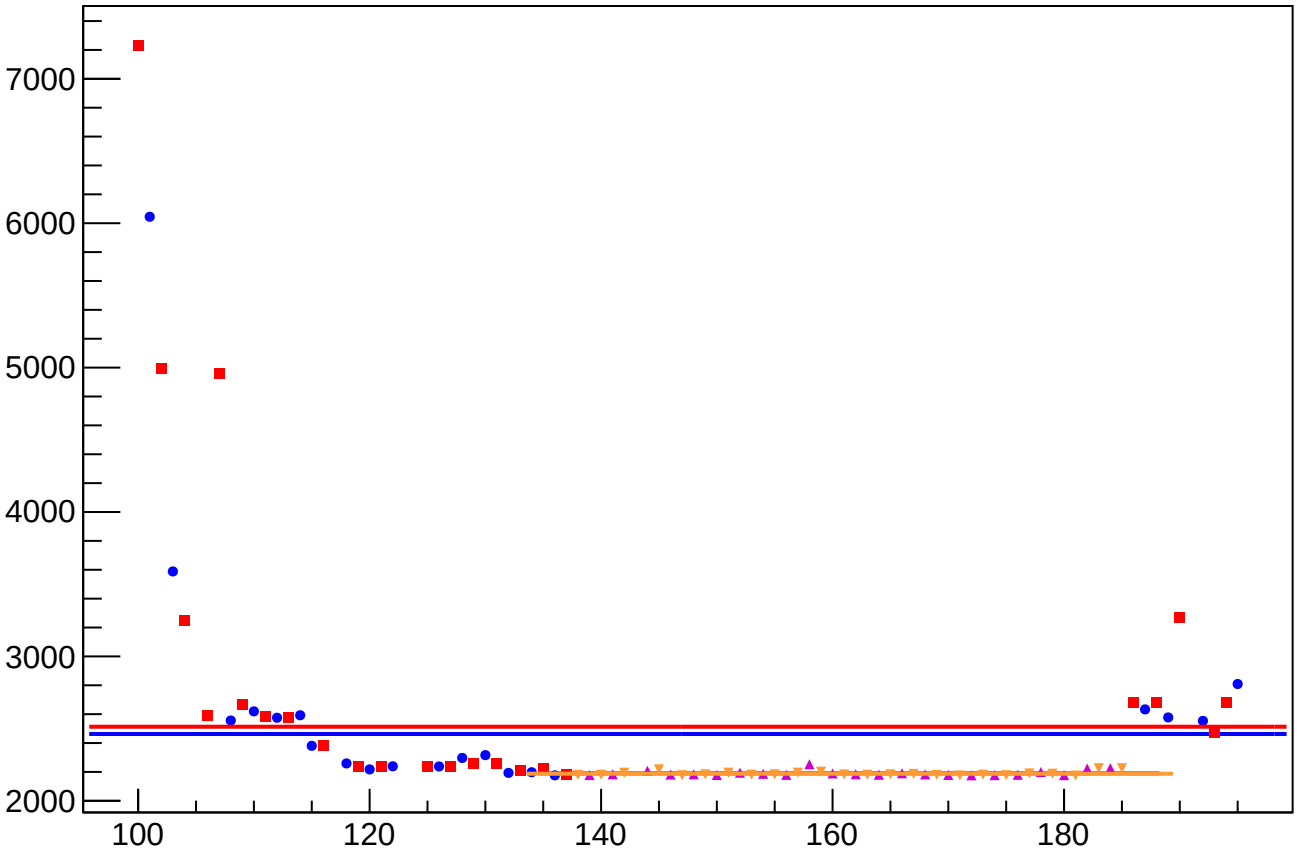
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -980.289+/-559.683 χ^2/NDF: 34.7/42

In: -717.651+/-431.076 χ^2/NDF:46.6/42

Out: -968.565+/-425.844 χ^2/NDF:37.5/46

All: -844.640+/-302.950 χ^2/NDF: 84.3/89



Right In: 2462.789+/-0.567 χ^2/NDF: 716702.8/19

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2513.107+/-0.553 χ^2/NDF: 695970.7/22

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

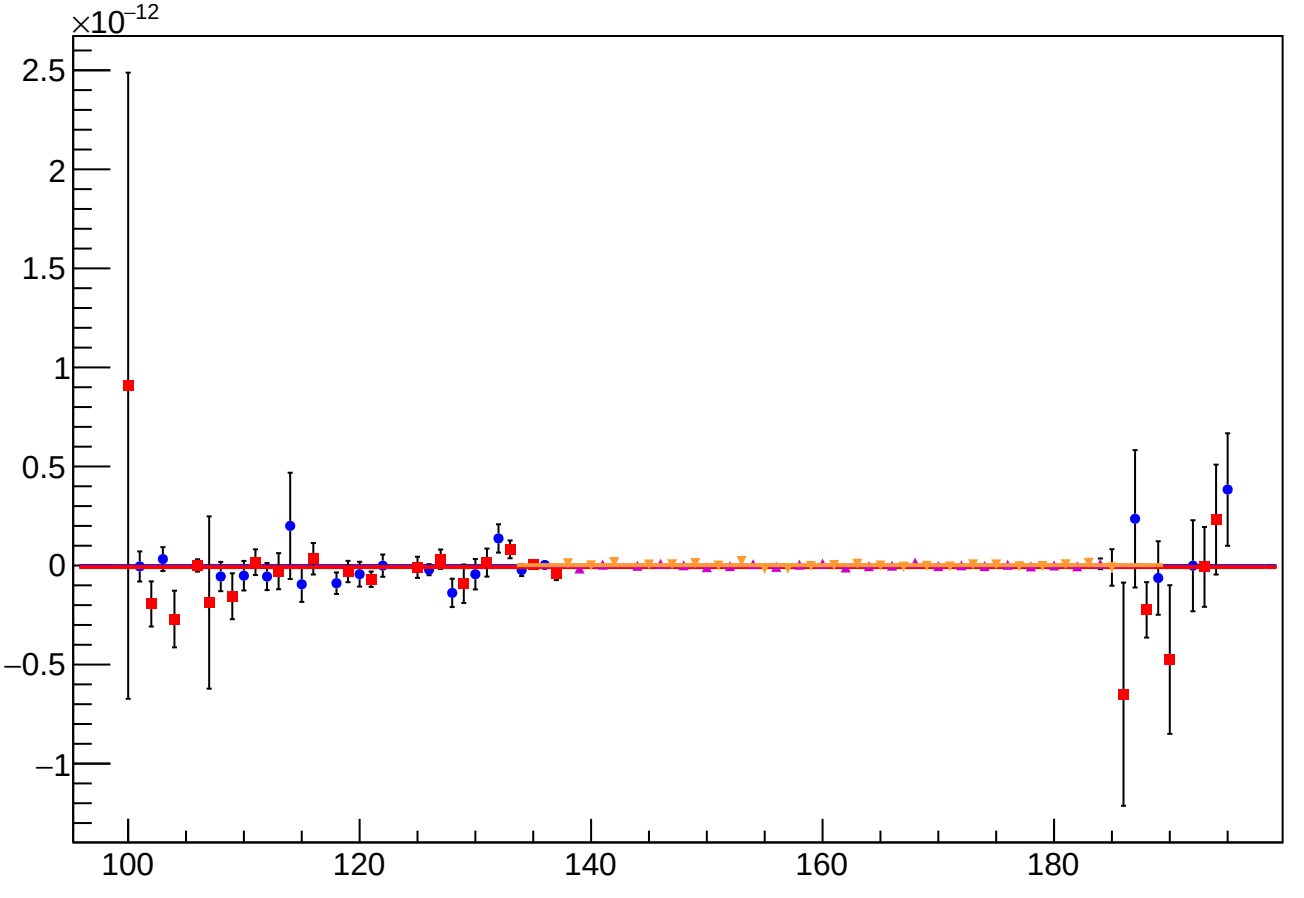
Right: 2488.561+/-0.396 χ^2/NDF: 1416712.5/42

In: 2269.058+/-0.305 χ^2/NDF:883747.3/42

Out: 2284.131+/-0.301 χ^2/NDF:941037.0/46

All: 2276.686+/-0.214 χ^2/NDF: 1826022.0/89

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/22

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

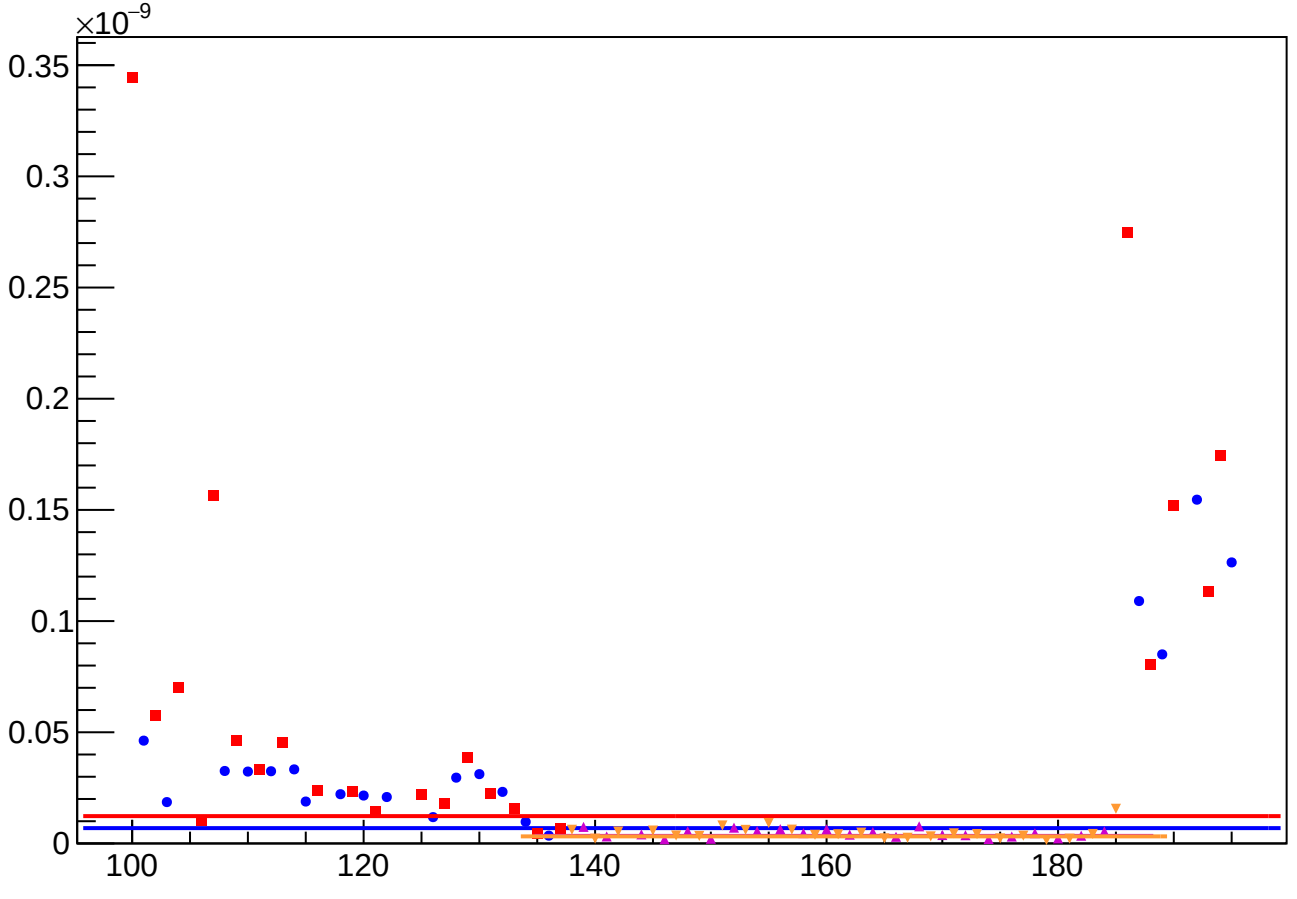
Right: -0.000+/-0.000 χ^2/NDF: 43.1/42

In: -0.000+/-0.000 χ^2/NDF:31.5/42

Out: 0.000+/-0.000 χ^2/NDF:45.3/46

All: 0.000+/-0.000 χ^2/NDF: 77.8/89

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4570555.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5092183.2/22

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

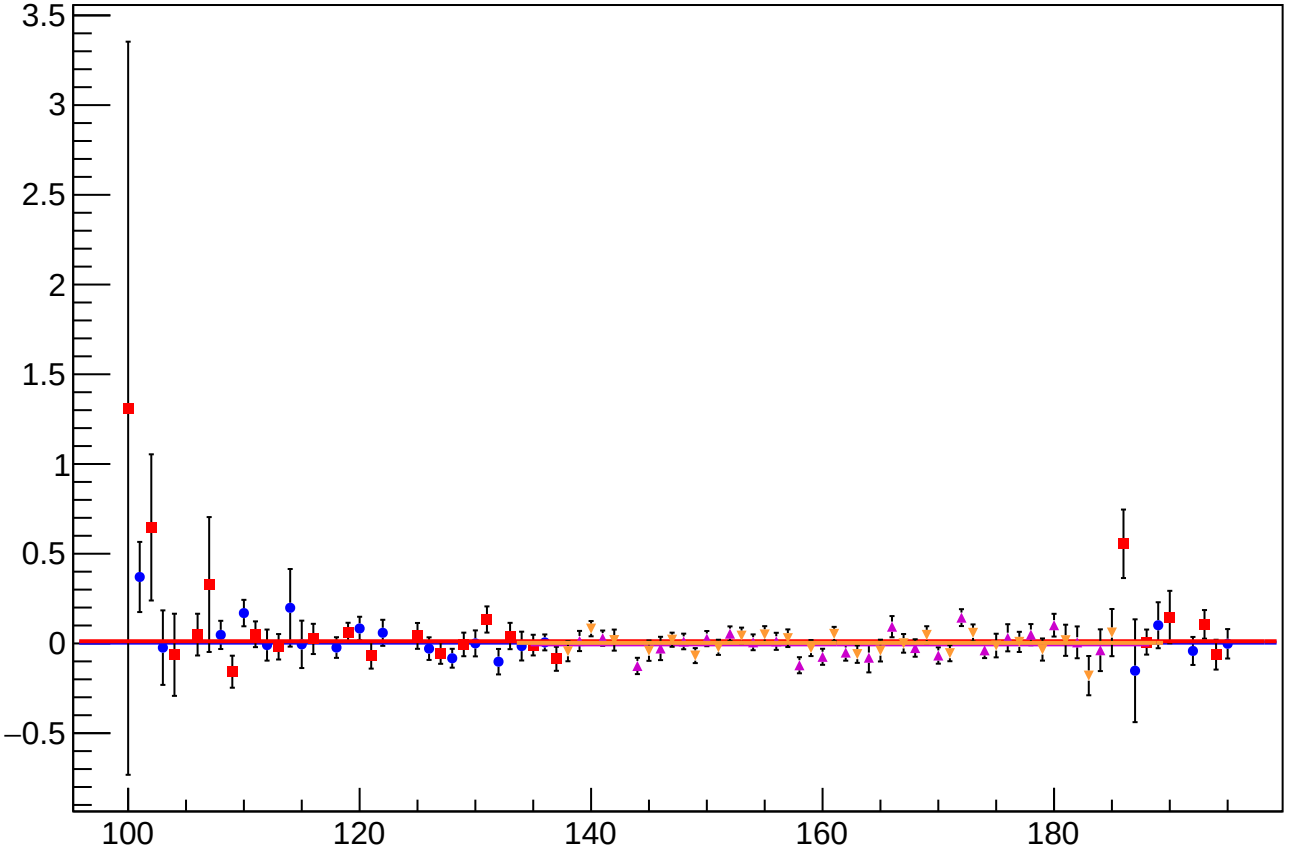
Right: 0.000+/-0.000 χ^2/NDF: 10097725.8/42

In: 0.000+/-0.000 χ^2/NDF:6855608.7/42

Out: 0.000+/-0.000 χ^2/NDF:8875264.2/46

All: 0.000+/-0.000 χ^2/NDF: 15752167.2/89

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

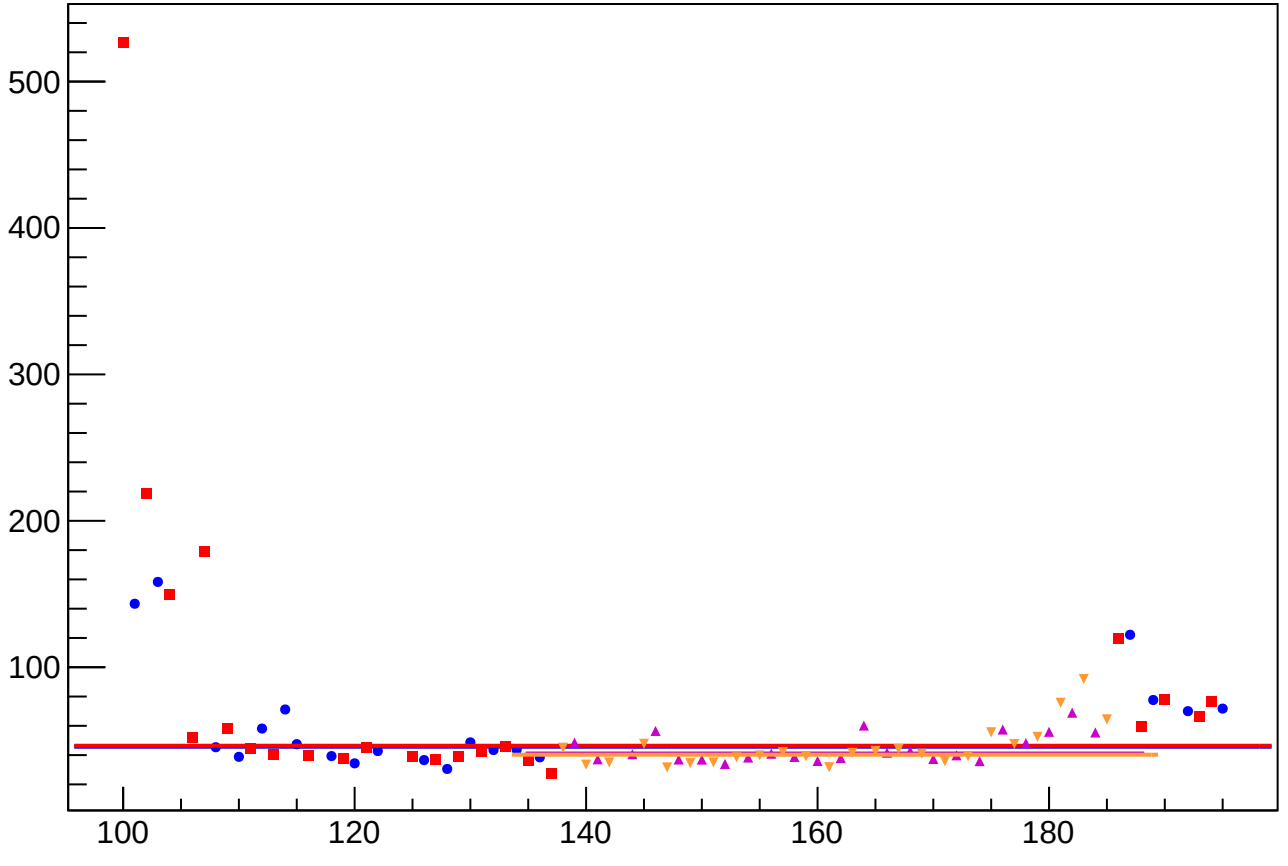
Right: 0.008+/-0.012 χ^2/NDF: 46.2/42

In: -0.003+/-0.009 χ^2/NDF:60.1/42

Out: 0.006+/-0.009 χ^2/NDF:49.7/46

All: 0.002+/-0.006 χ^2/NDF: 110.2/89

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.741+/-0.012 χ^2/NDF: 2192003.3/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 46.394+/-0.012 χ^2/NDF: 2410755.8/22

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

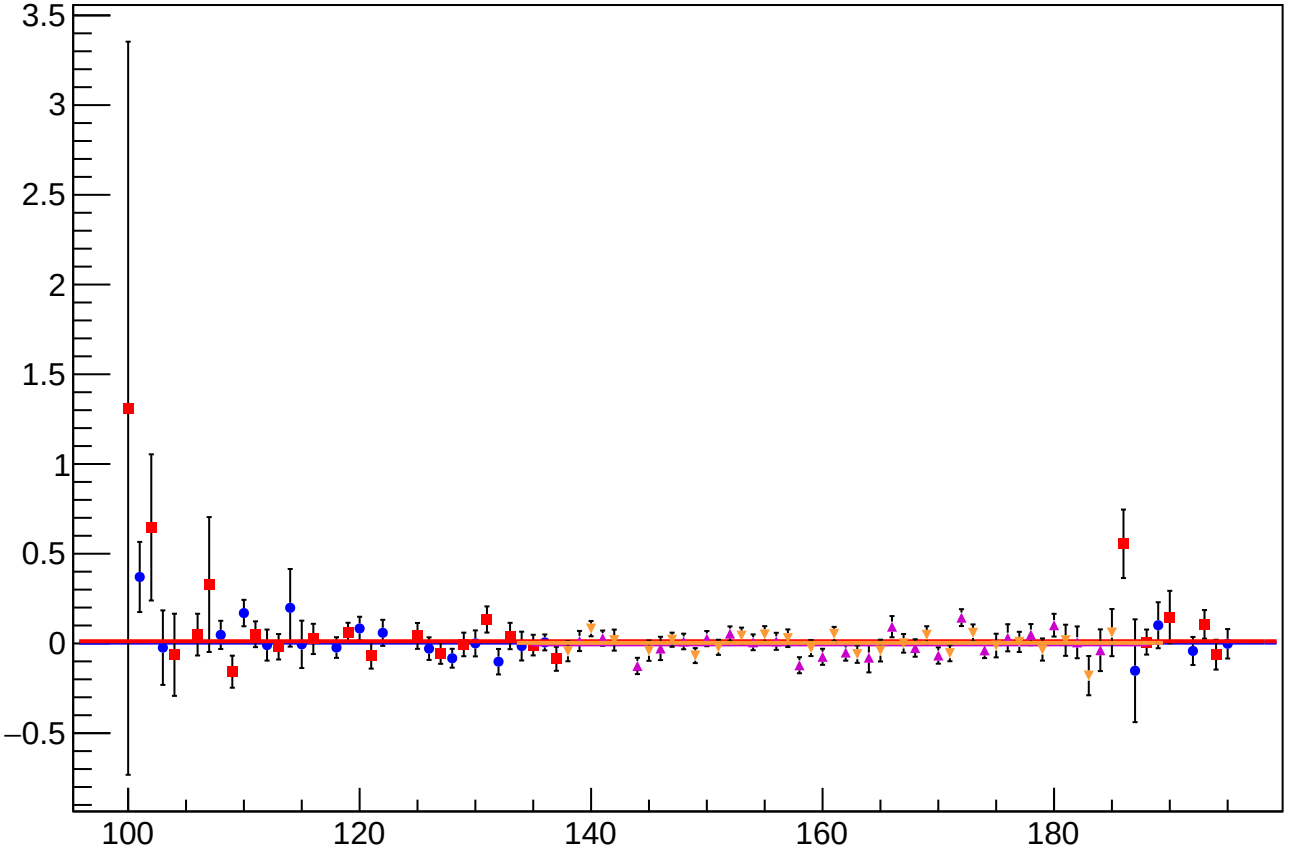
Right: 46.072+/-0.009 χ^2/NDF: 4604220.4/42

In: 42.359+/-0.006 χ^2/NDF:3225529.4/42

Out: 41.941+/-0.006 χ^2/NDF:4089170.7/46

All: 42.147+/-0.004 χ^2/NDF: 7316896.6/89

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

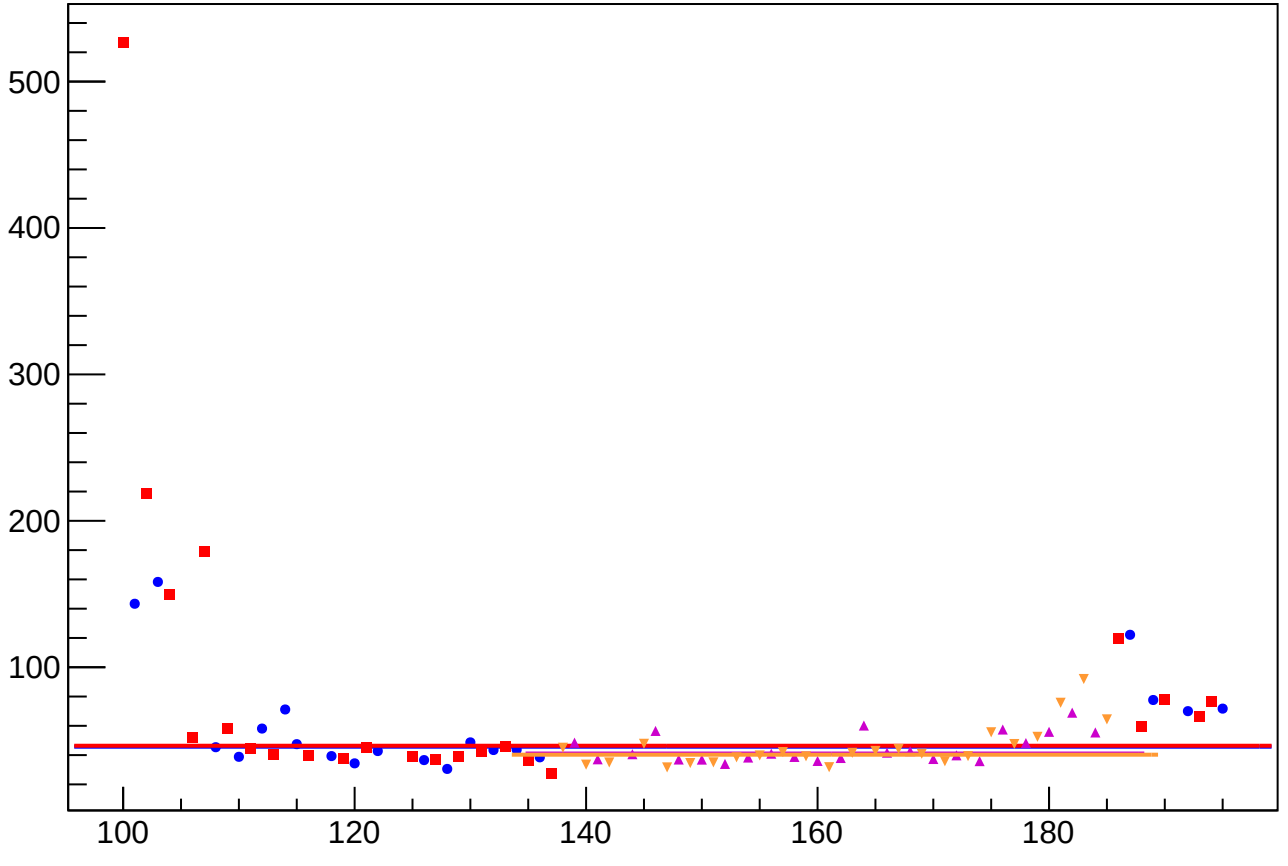
Right: 0.008+/-0.012 χ^2/NDF: 46.2/42

In: -0.003+/-0.009 χ^2/NDF:60.1/42

Out: 0.006+/-0.009 χ^2/NDF:49.7/46

All: 0.002+/-0.006 χ^2/NDF: 110.2/89

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.741+/-0.012 χ^2/NDF: 2192003.3/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 46.394+/-0.012 χ^2/NDF: 2410755.8/22

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

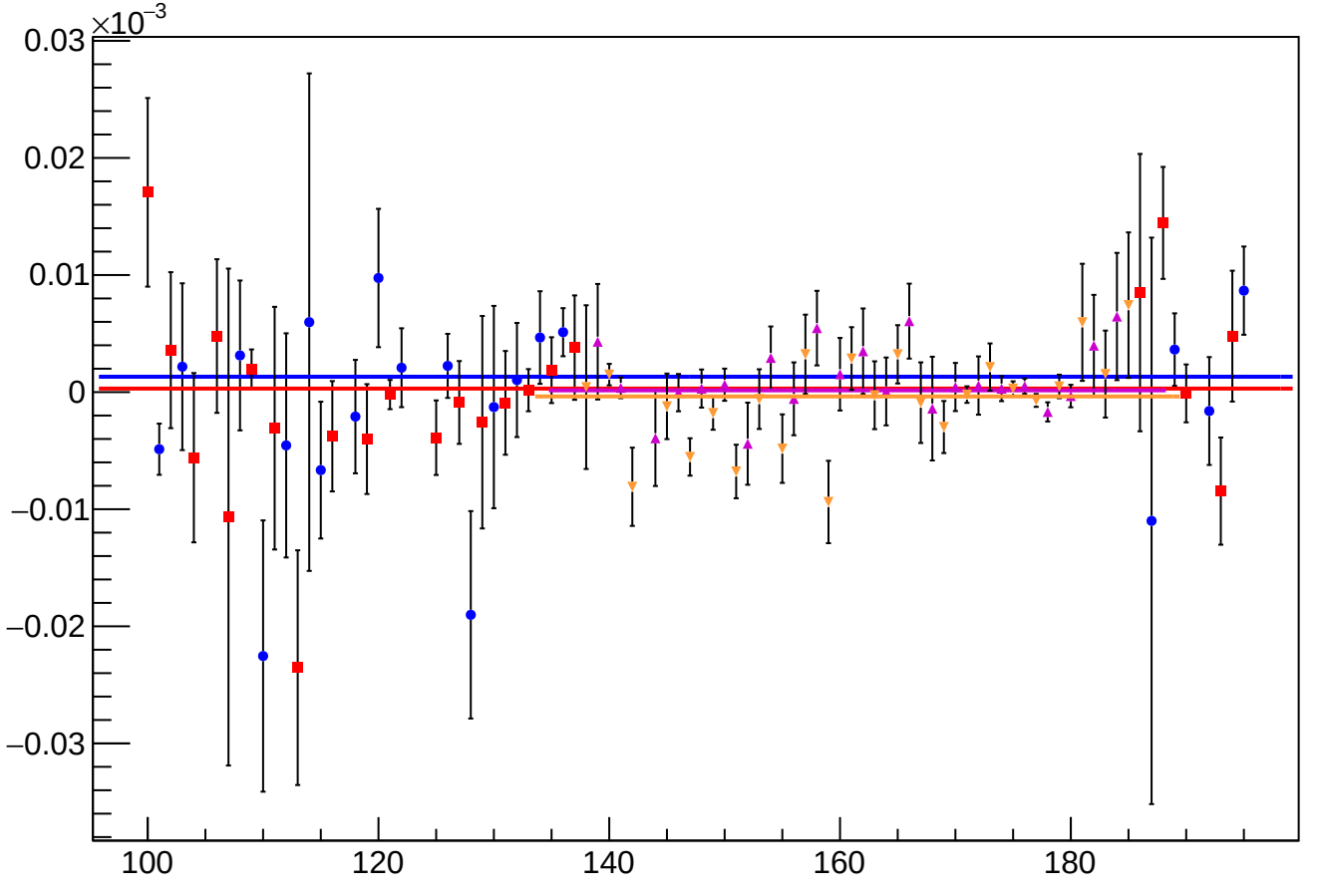
Right: 46.072+/-0.009 χ^2/NDF: 4604220.4/42

In: 42.359+/-0.006 χ^2/NDF:3225529.4/42

Out: 41.941+/-0.006 χ^2/NDF:4089170.7/46

All: 42.147+/-0.004 χ^2/NDF: 7316896.6/89

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 31.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/22

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

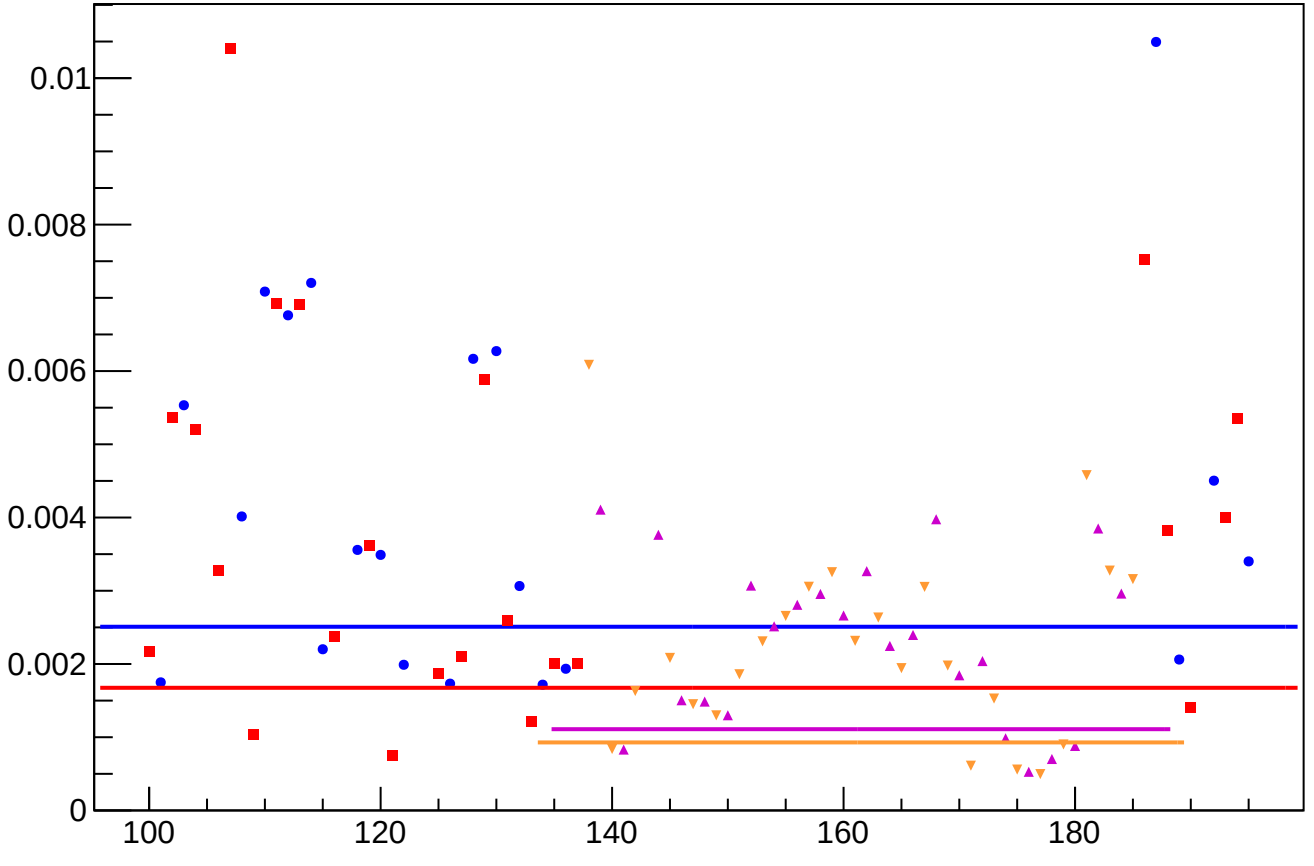
Right: 0.000+/-0.000 χ^2/NDF: 63.7/42

In: 0.000+/-0.000 χ^2/NDF:53.2/42

Out: -0.000+/-0.000 χ^2/NDF:83.1/46

All: -0.000+/-0.000 χ^2/NDF: 138.2/89

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: 3611352.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 7408339.3/22

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

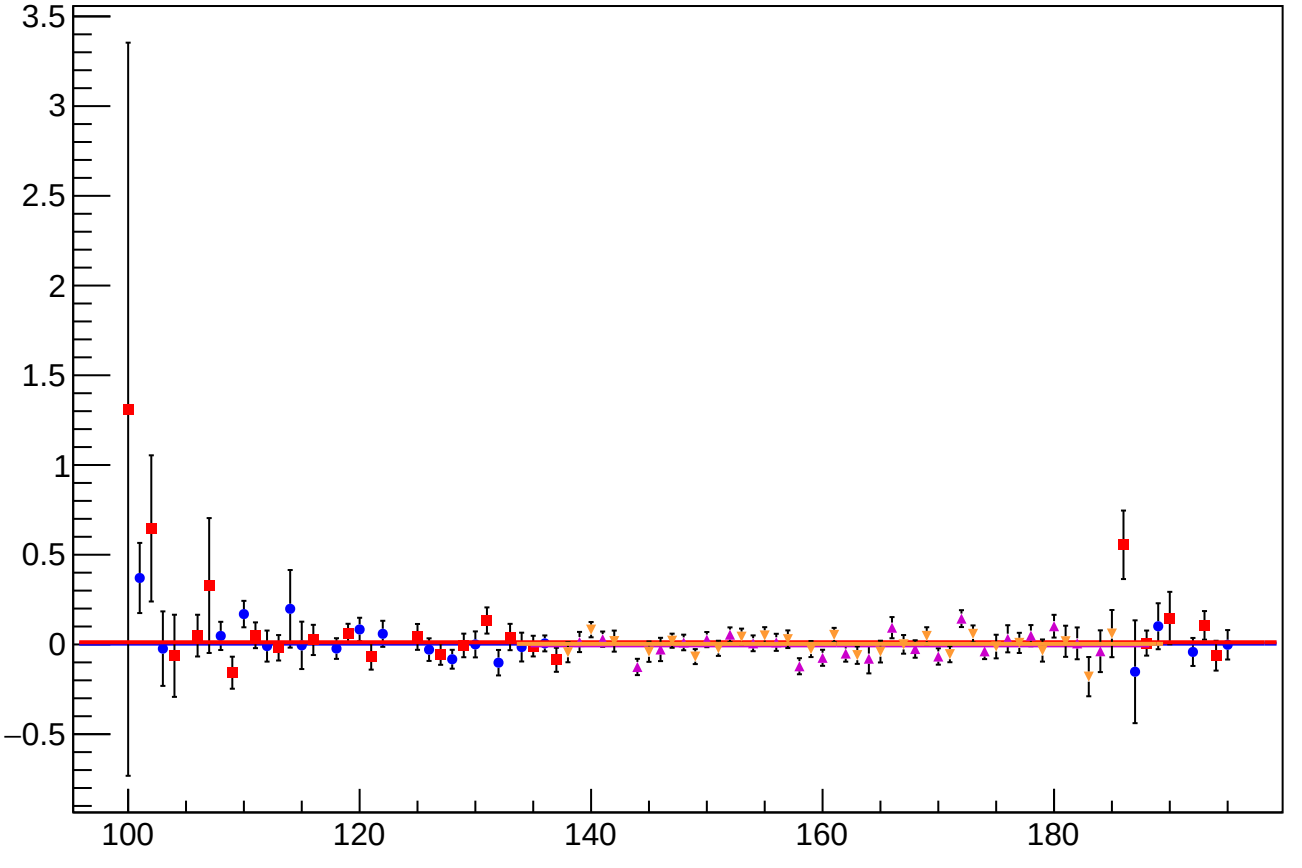
Right: 0.002+/-0.000 χ^2/NDF: 12096193.5/42

In: 0.001+/-0.000 χ^2/NDF:18692849.5/42

Out: 0.001+/-0.000 χ^2/NDF:22083509.5/46

All: 0.001+/-0.000 χ^2/NDF: 41407526.8/89

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

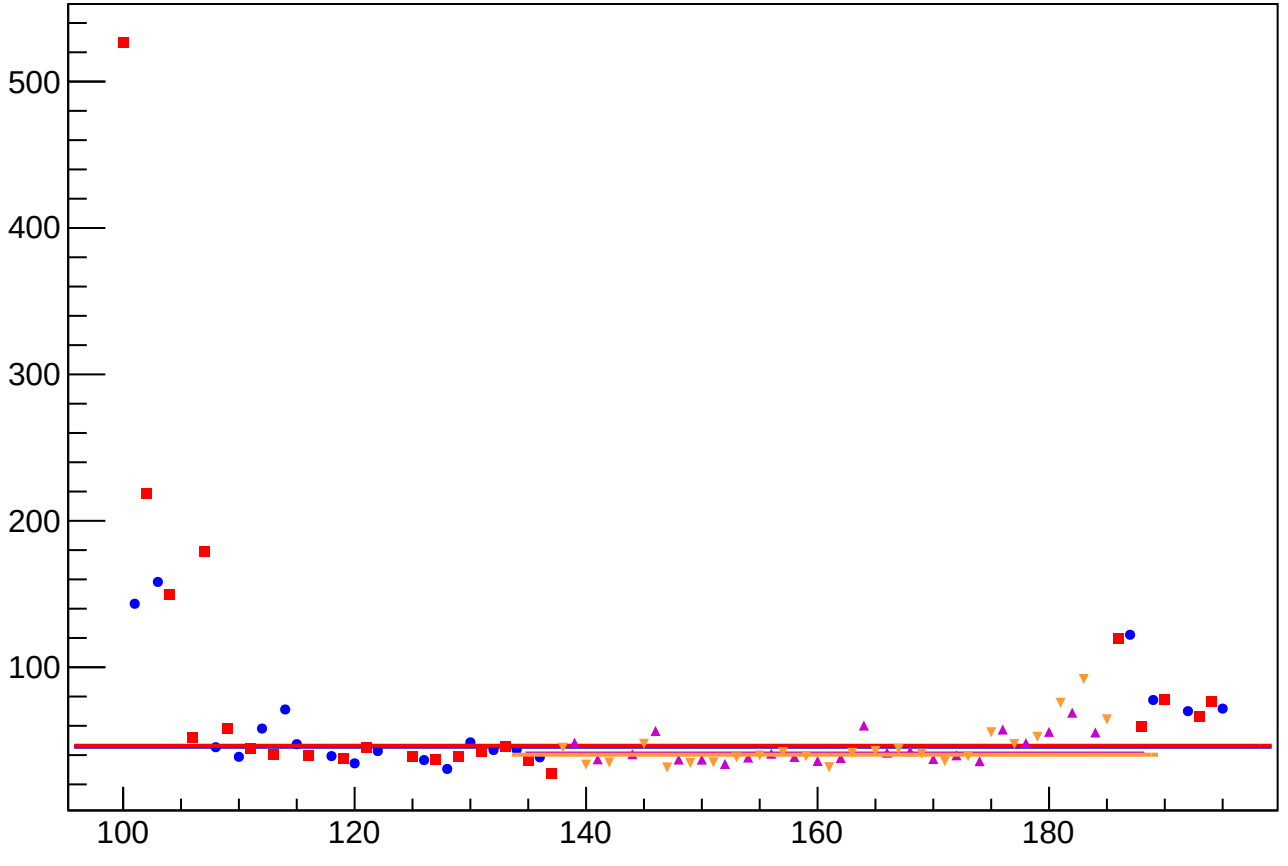
Right: 0.008+/-0.012 χ^2/NDF: 46.2/42

In: -0.003+/-0.009 χ^2/NDF:60.1/42

Out: 0.006+/-0.009 χ^2/NDF:49.7/46

All: 0.002+/-0.006 χ^2/NDF: 110.2/89

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.739+/-0.012 χ^2/NDF: 2192324.2/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 46.395+/-0.012 χ^2/NDF: 2410766.9/22

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

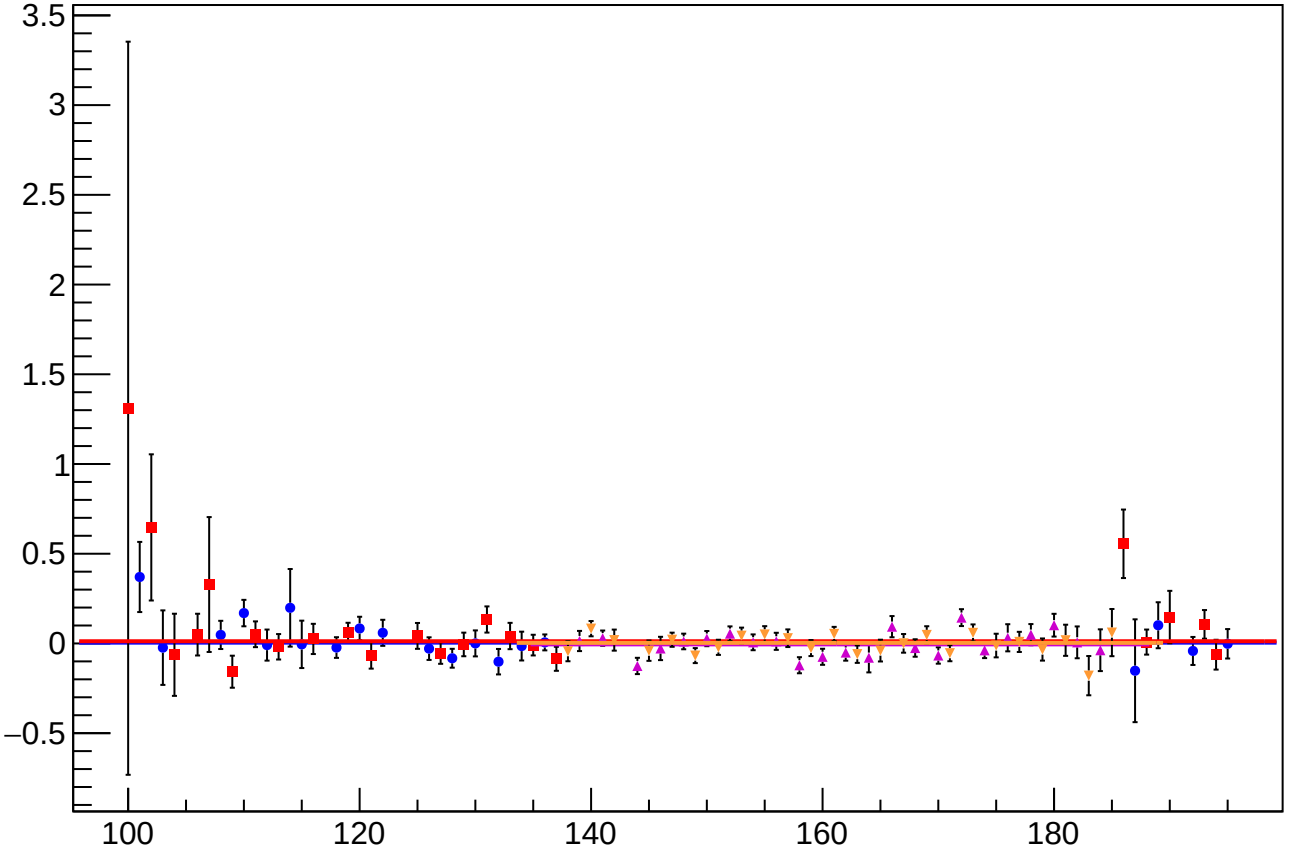
Right: 46.071+/-0.009 χ^2/NDF: 4604565.8/42

In: 42.359+/-0.006 χ^2/NDF:3225782.1/42

Out: 41.942+/-0.006 χ^2/NDF:4089191.0/46

All: 42.147+/-0.004 χ^2/NDF: 7317161.1/89

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/19

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

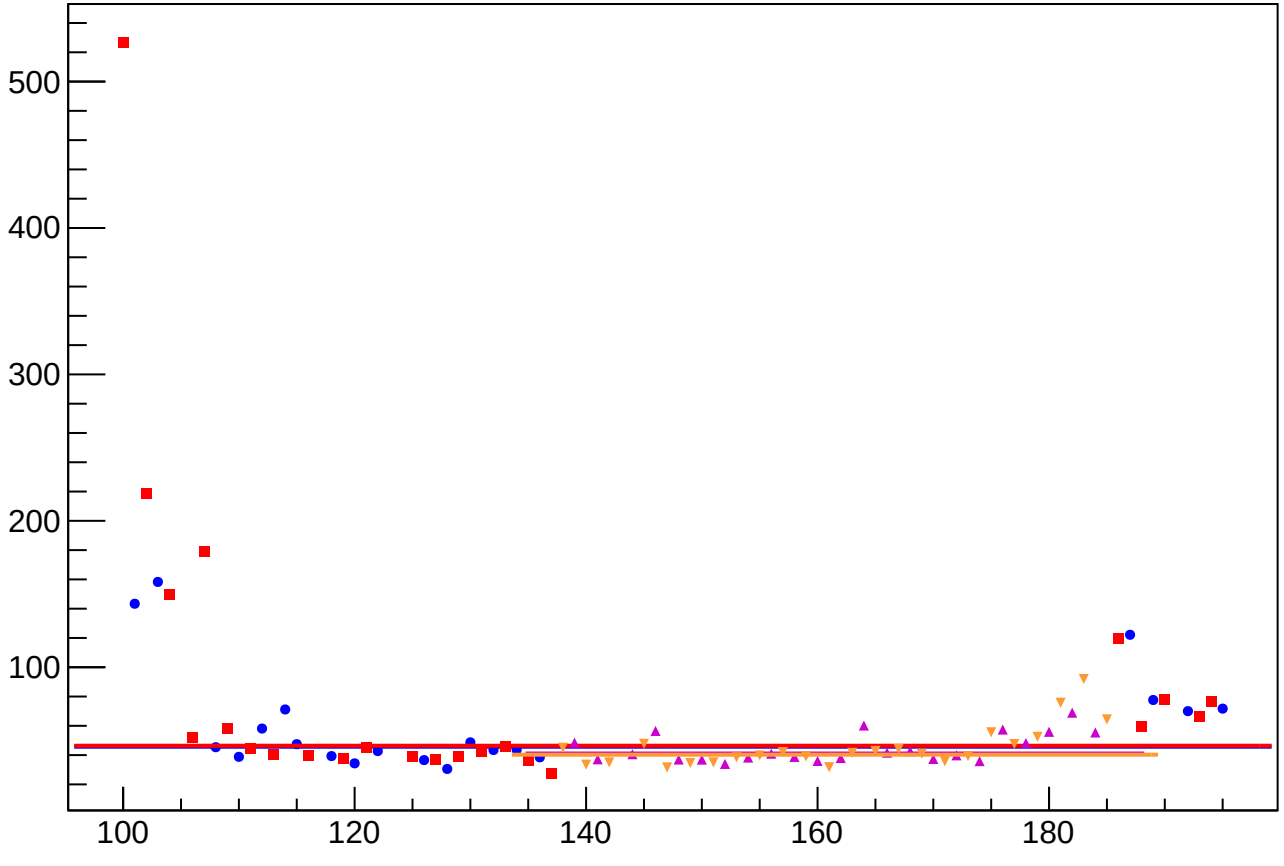
Right: 0.008+/-0.012 χ^2/NDF: 46.2/42

In: -0.003+/-0.009 χ^2/NDF:60.1/42

Out: 0.006+/-0.009 χ^2/NDF:49.7/46

All: 0.002+/-0.006 χ^2/NDF: 110.2/89

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.739+/-0.012 χ^2/NDF: 2192324.2/19

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 46.395+/-0.012 χ^2/NDF: 2410766.9/22

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

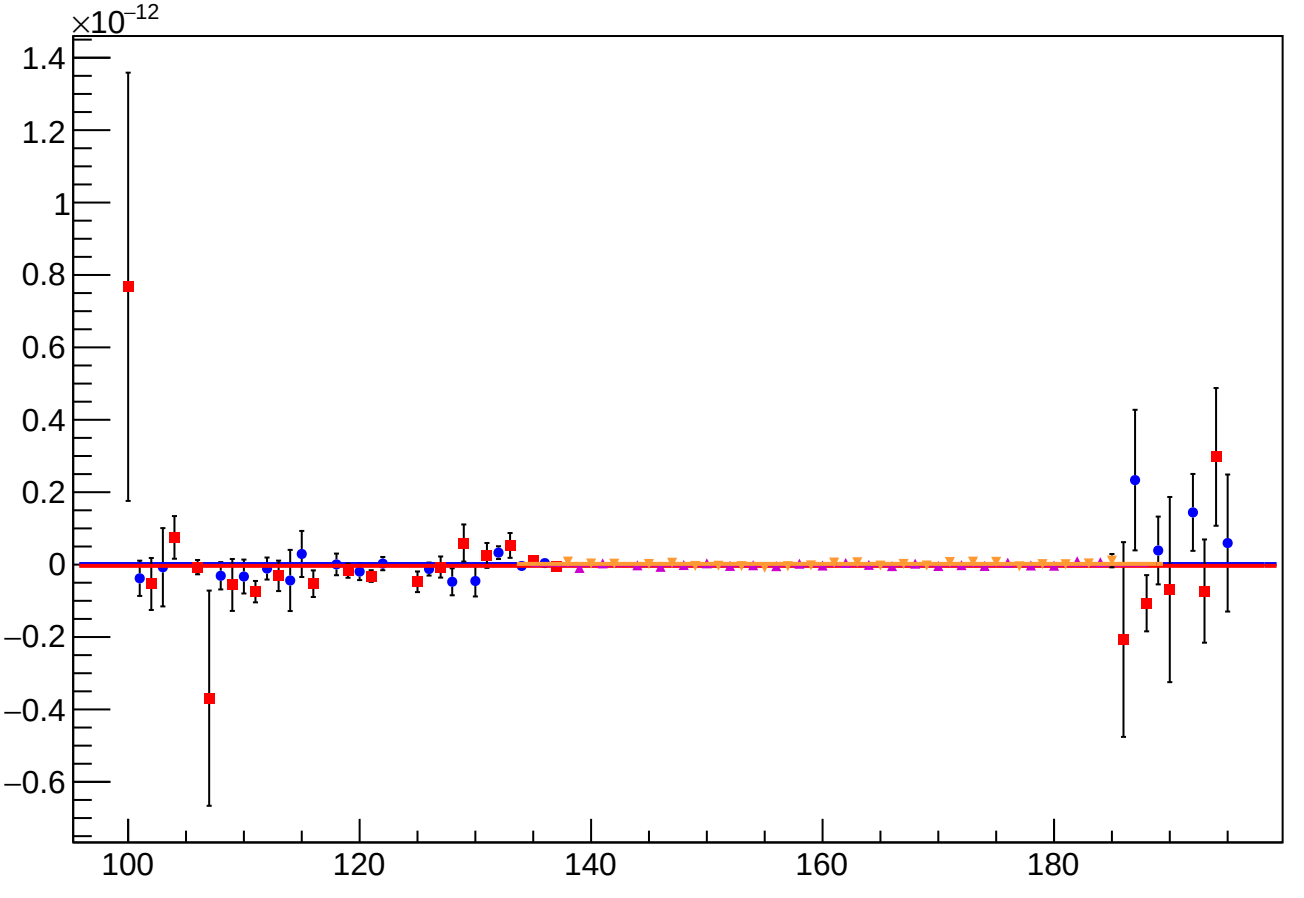
Right: 46.071+/-0.009 χ^2/NDF: 4604565.8/42

In: 42.359+/-0.006 χ^2/NDF:3225782.1/42

Out: 41.942+/-0.006 χ^2/NDF:4089191.0/46

All: 42.147+/-0.004 χ^2/NDF: 7317161.1/89

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: 14.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/22

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

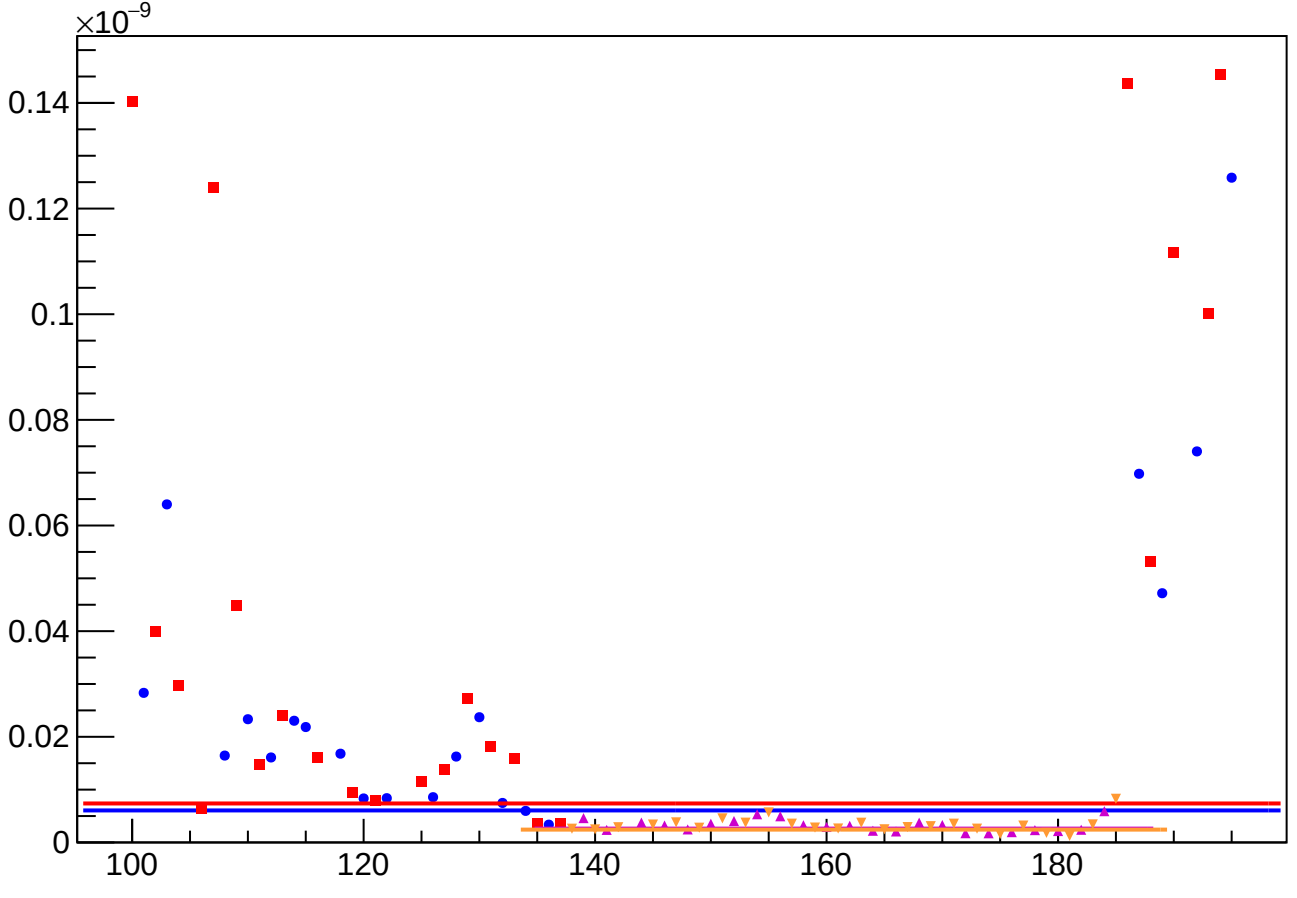
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

Right: -0.000+/-0.000 χ^2/NDF: 48.7/42

In: -0.000+/-0.000 χ^2/NDF:37.4/42

Out: 0.000+/-0.000 χ^2/NDF:60.4/46

All: 0.000+/-0.000 χ^2/NDF: 101.0/89



Right In: 0.000+/-0.000 χ^2/NDF: 5525914.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7248255.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

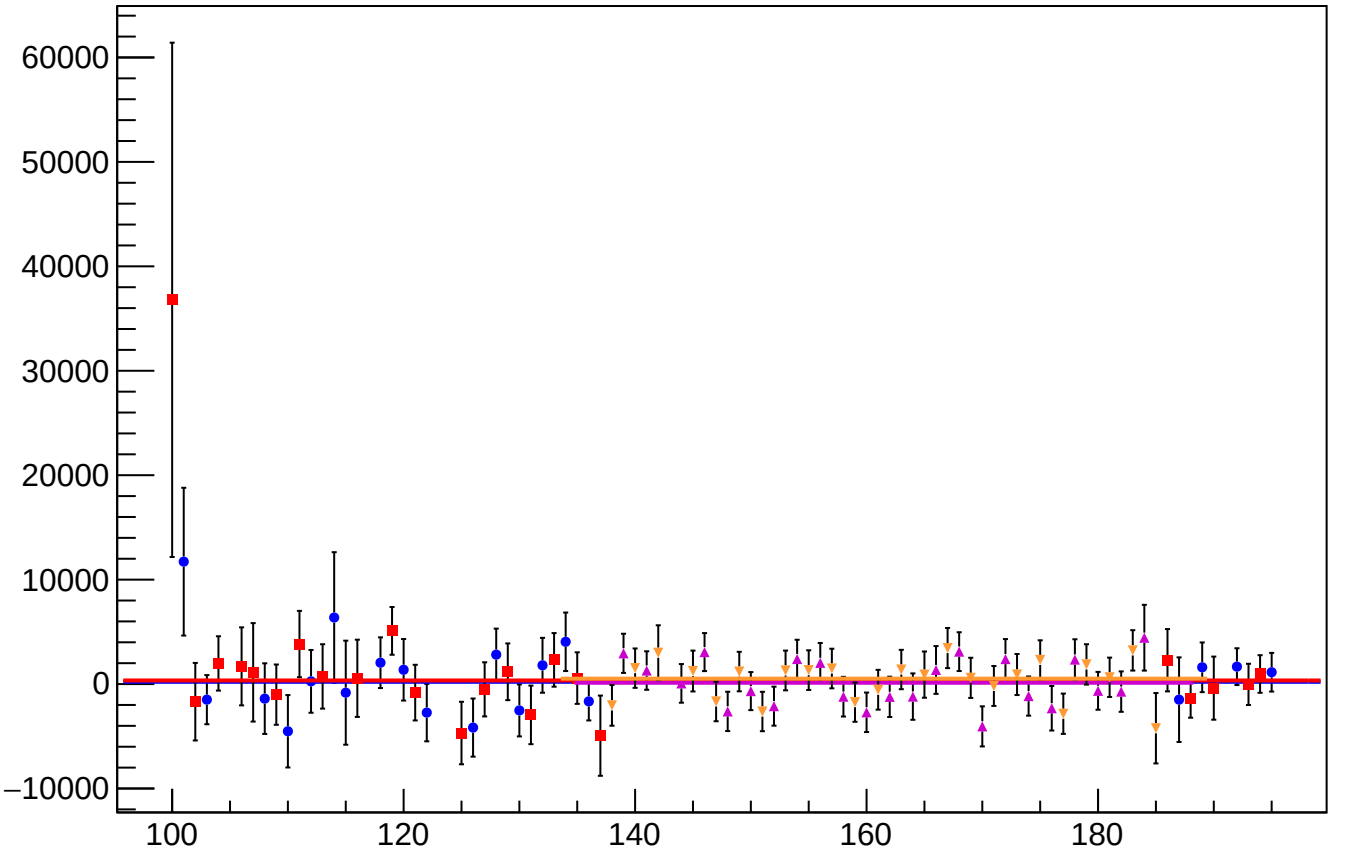
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 12866617.0/42

In: 0.000+/-0.000 χ^2/NDF:8952278.0/42

Out: 0.000+/-0.000 χ^2/NDF:12172172.1/46

All: 0.000+/-0.000 χ^2/NDF: 21187301.9/89



Right In: 217.579+/-593.379 χ^2/NDF: 17.7/19

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 344.798+/-572.729 χ^2/NDF: 17.4/22

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

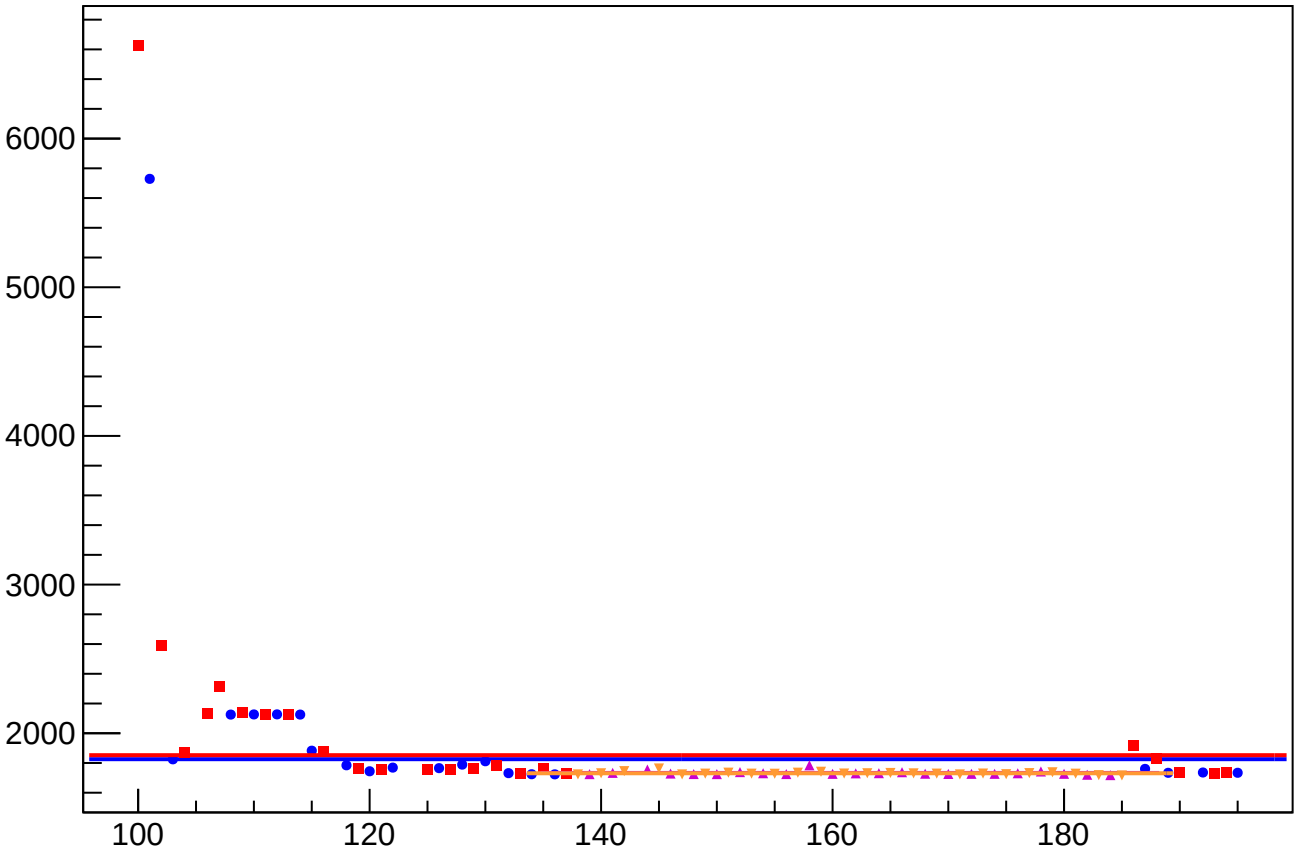
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 283.441+/-412.088 χ^2/NDF: 35.0/42

In: 155.089+/-334.302 χ^2/NDF:47.1/42

Out: 462.183+/-328.875 χ^2/NDF:38.2/46

All: 311.149+/-234.445 χ^2/NDF: 85.8/89



Right In: 1825.523+/-0.420 χ^2/NDF: 693949.3/19

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1852.459+/-0.405 χ^2/NDF: 278786.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

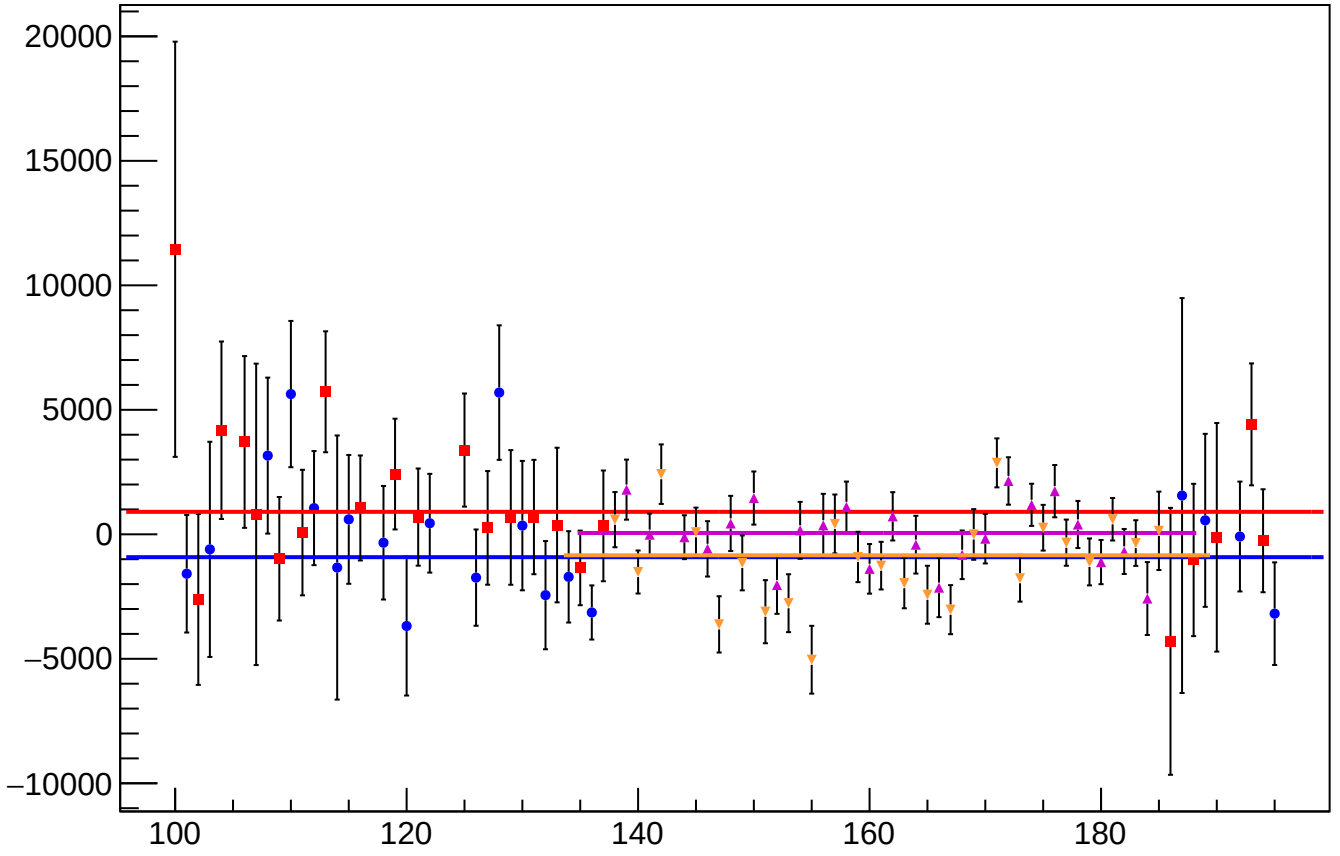
Right: 1839.468+/-0.291 χ^2/NDF: 974869.0/42

In: 1762.372+/-0.236 χ^2/NDF:729373.4/42

Out: 1770.947+/-0.233 χ^2/NDF:340196.6/46

All: 1766.730+/-0.166 χ^2/NDF: 1070238.6/89

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -918.325+/-509.779 χ^2/NDF: 22.3/19

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 903.059+/-532.837 χ^2/NDF: 16.7/22

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

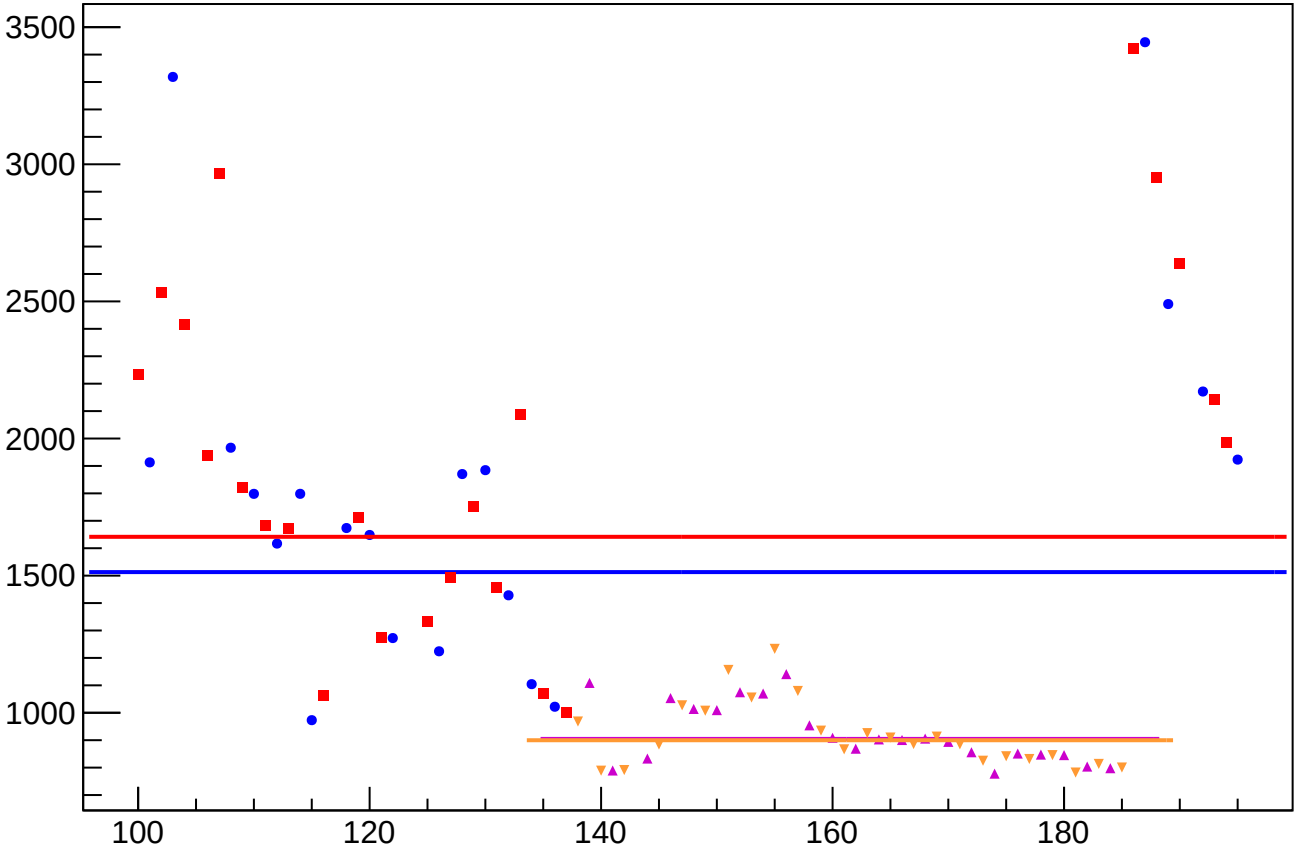
Right: -47.895+/-368.350 χ^2/NDF: 45.0/42

In: -90.560+/-196.508 χ^2/NDF:56.0/42

Out: -606.114+/-196.060 χ^2/NDF:88.6/46

All: -348.925+/-138.793 χ^2/NDF: 148.1/89

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1512.949+/-0.360 χ^2/NDF: 1773468.8/19

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1641.590+/-0.377 χ^2/NDF: 1966630.8/22

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

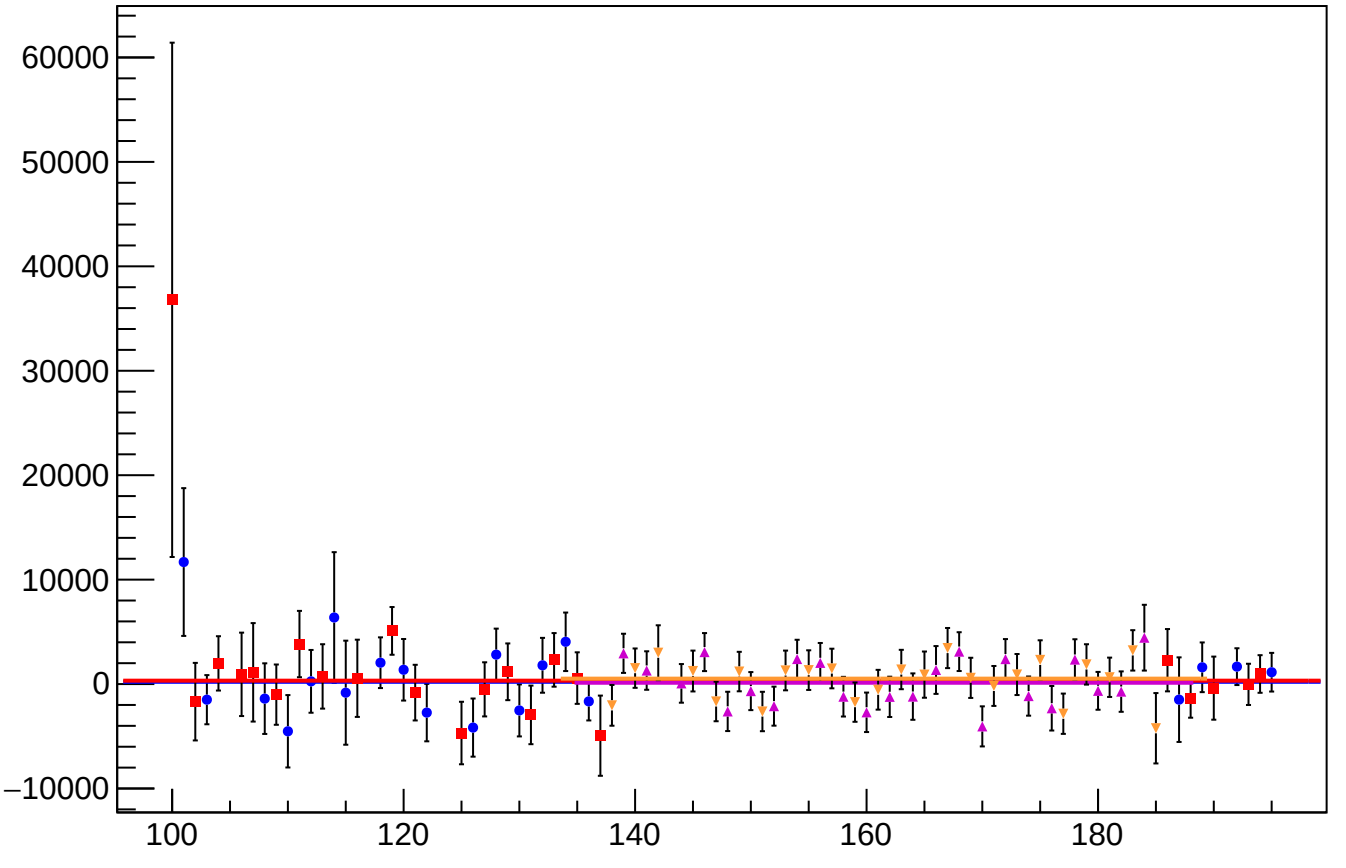
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1574.426+/-0.260 χ^2/NDF: 3800963.1/42

In: 995.043+/-0.139 χ^2/NDF:4650261.4/42

Out: 1000.241+/-0.139 χ^2/NDF:5813225.5/46

All: 997.648+/-0.098 χ^2/NDF: 10464188.1/89



Right In: 217.102+/-593.379 χ^2/NDF: 17.6/19

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 325.383+/-573.575 χ^2/NDF: 17.2/22

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

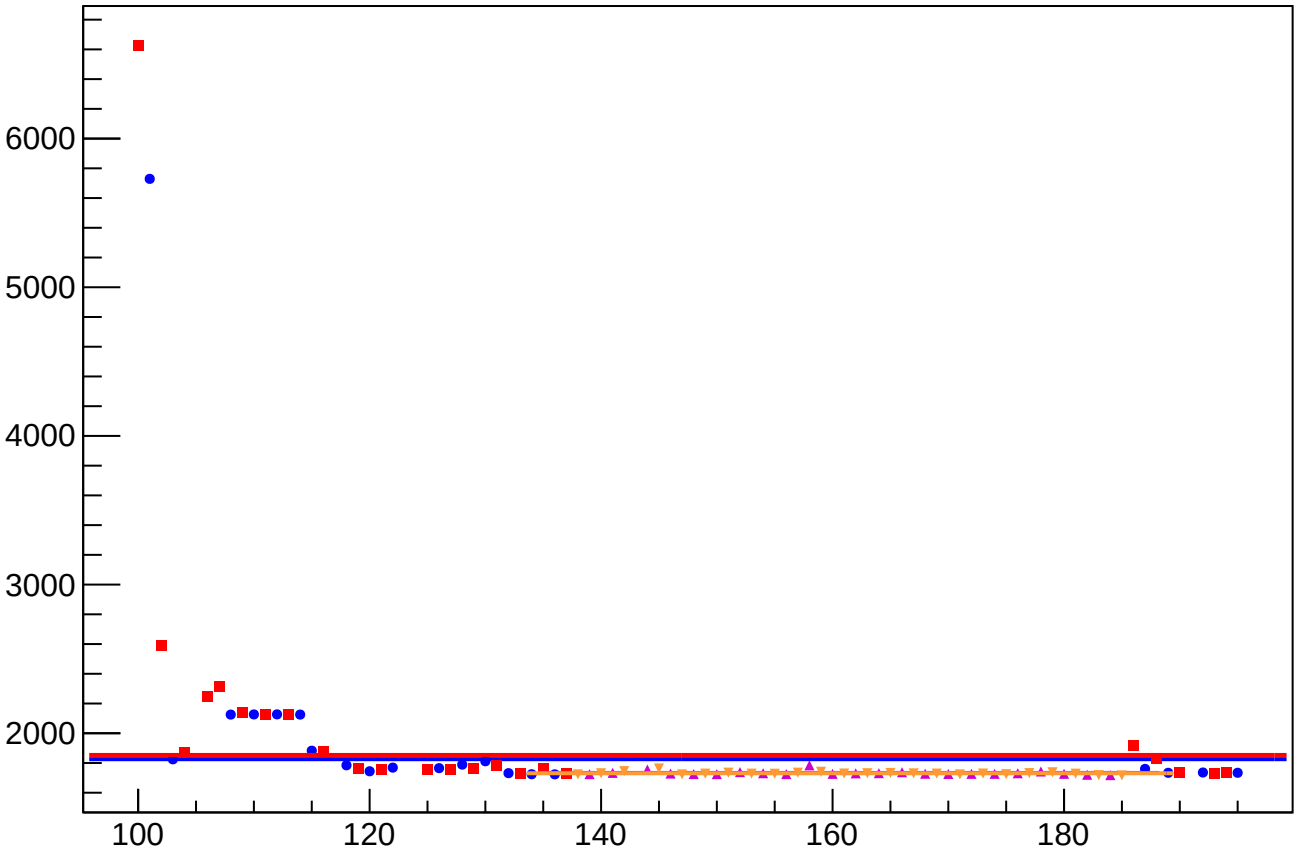
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 273.080+/-412.402 χ^2/NDF: 34.9/42

In: 154.979+/-334.302 χ^2/NDF:47.1/42

Out: 455.926+/-329.035 χ^2/NDF:38.1/46

All: 307.842+/-234.503 χ^2/NDF: 85.6/89



Right In: 1825.523+/-0.420 χ^2/NDF: 693949.2/19

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1854.038+/-0.406 χ^2/NDF: 287262.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

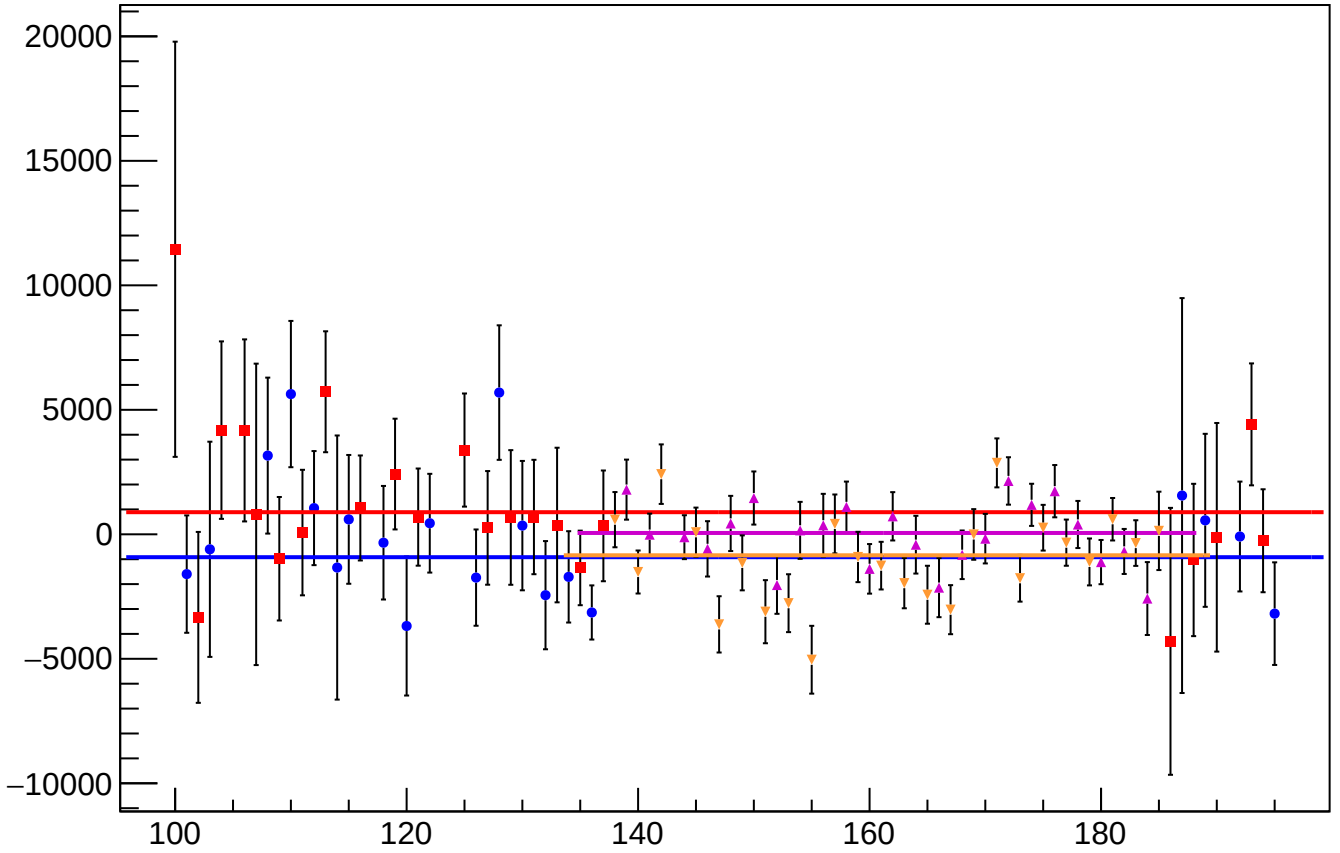
Right: 1840.264+/-0.292 χ^2/NDF: 983599.0/42

In: 1762.372+/-0.236 χ^2/NDF:729373.3/42

Out: 1771.387+/-0.233 χ^2/NDF:350130.0/46

All: 1766.951+/-0.166 χ^2/NDF: 1080242.0/89

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -918.986+/-509.744 χ^2/NDF: 22.3/19

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 888.357+/-533.535 χ^2/NDF: 17.3/22

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

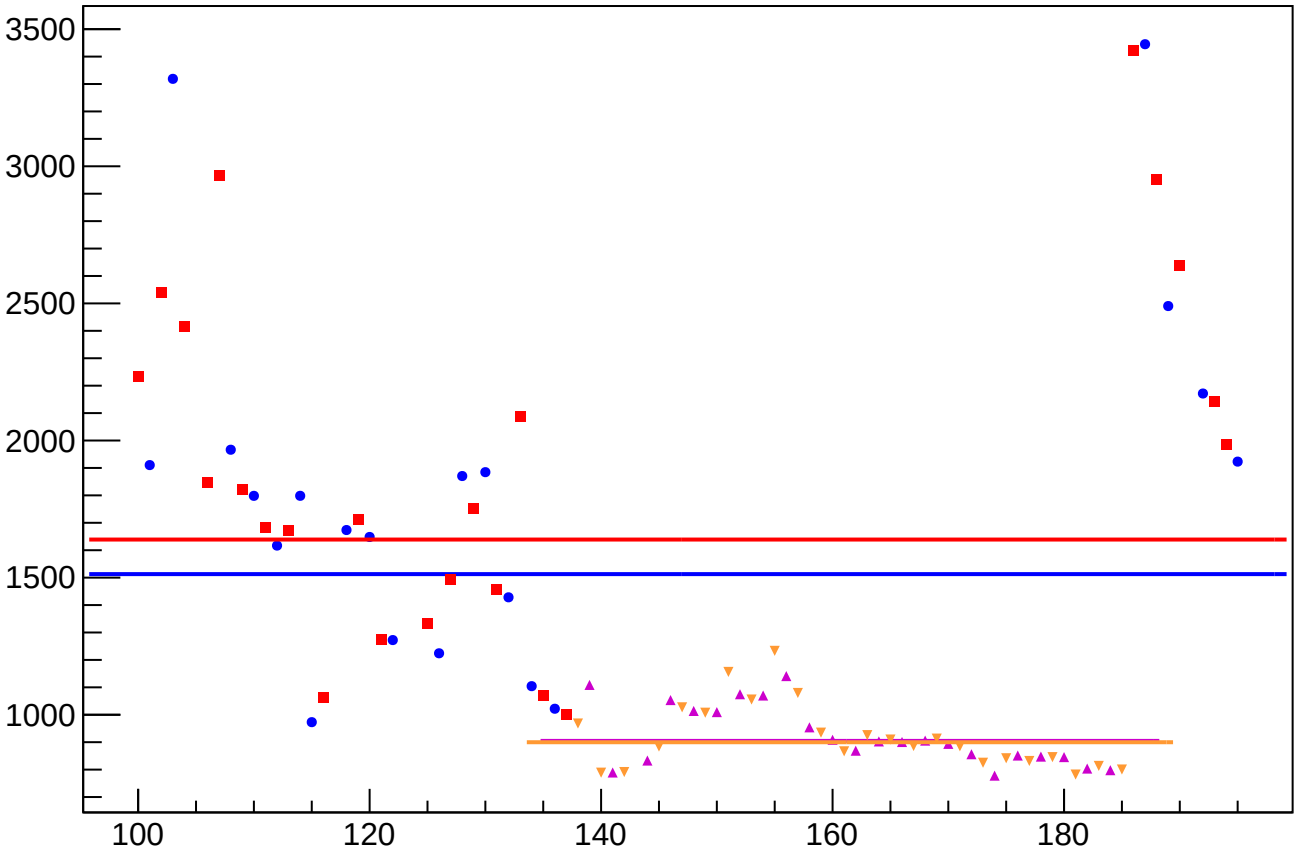
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -56.507+/-368.567 χ^2/NDF: 45.5/42

In: -90.656+/-196.505 χ^2/NDF:56.0/42

Out: -608.664+/-196.095 χ^2/NDF:89.1/46

All: -350.201+/-138.805 χ^2/NDF: 148.6/89



Right In: 1512.868+/-0.360 χ^2/NDF: 1772942.0/19

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1638.920+/-0.377 χ^2/NDF: 1959661.5/22

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

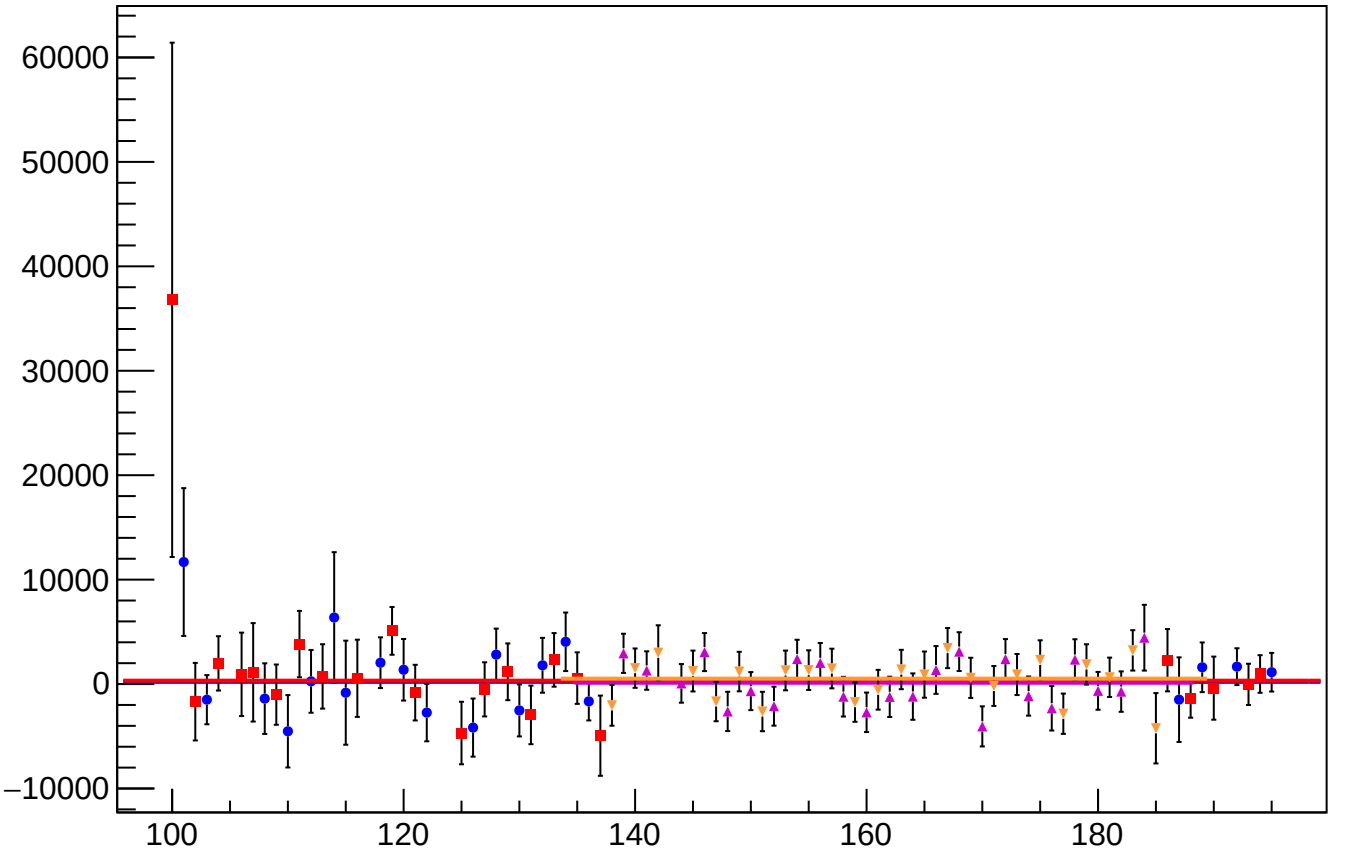
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1573.021+/-0.261 χ^2/NDF: 3790966.0/42

In: 995.038+/-0.139 χ^2/NDF:4649403.2/42

Out: 999.656+/-0.139 χ^2/NDF:5774572.8/46

All: 997.352+/-0.098 χ^2/NDF: 10424529.3/89



Right In: 217.102+/-593.379 χ^2/NDF: 17.6/19

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 325.383+/-573.575 χ^2/NDF: 17.2/22

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

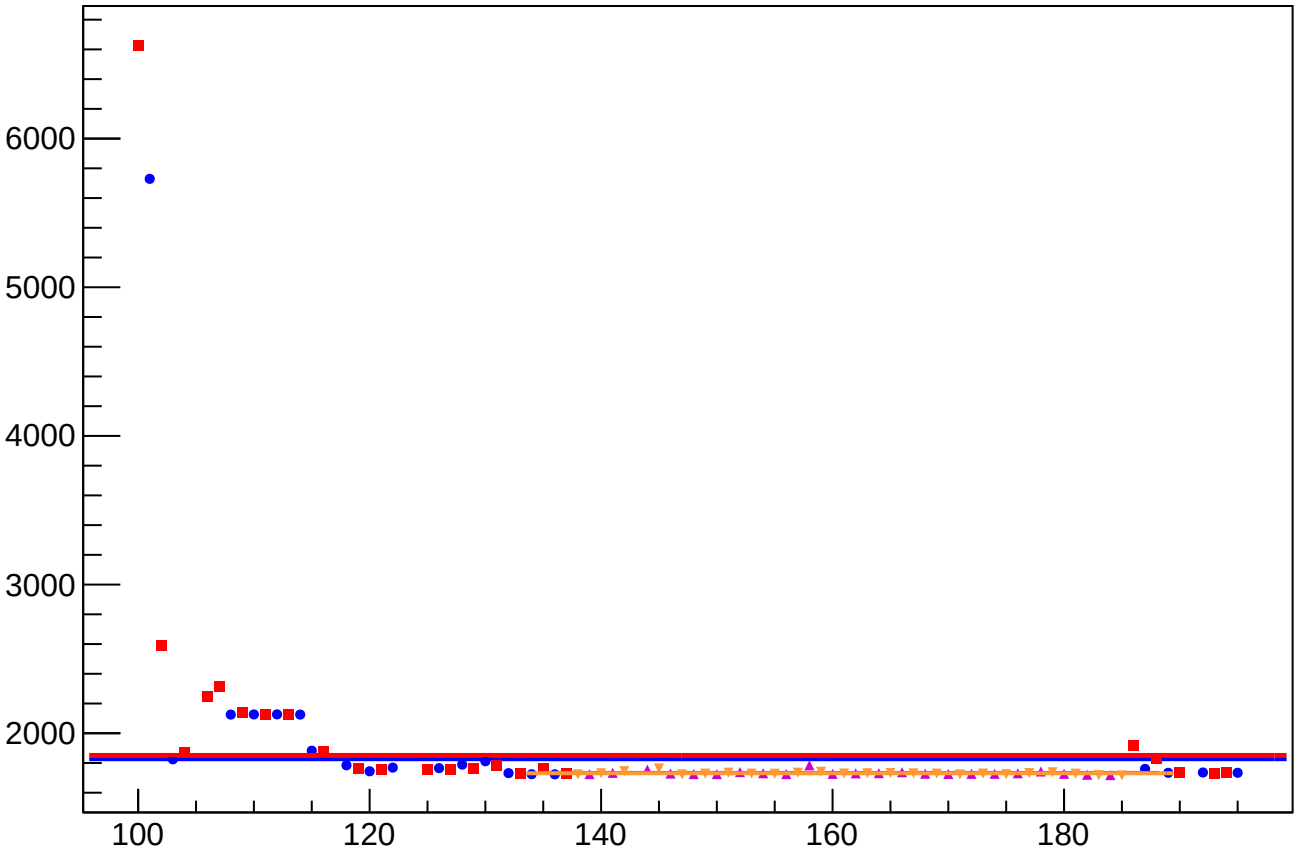
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 273.080+/-412.402 χ^2/NDF: 34.9/42

In: 154.979+/-334.302 χ^2/NDF:47.1/42

Out: 455.926+/-329.035 χ^2/NDF:38.1/46

All: 307.842+/-234.503 χ^2/NDF: 85.6/89



Right In: 1825.523+/-0.420 χ^2/NDF: 693949.2/19

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1854.038+/-0.406 χ^2/NDF: 287262.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

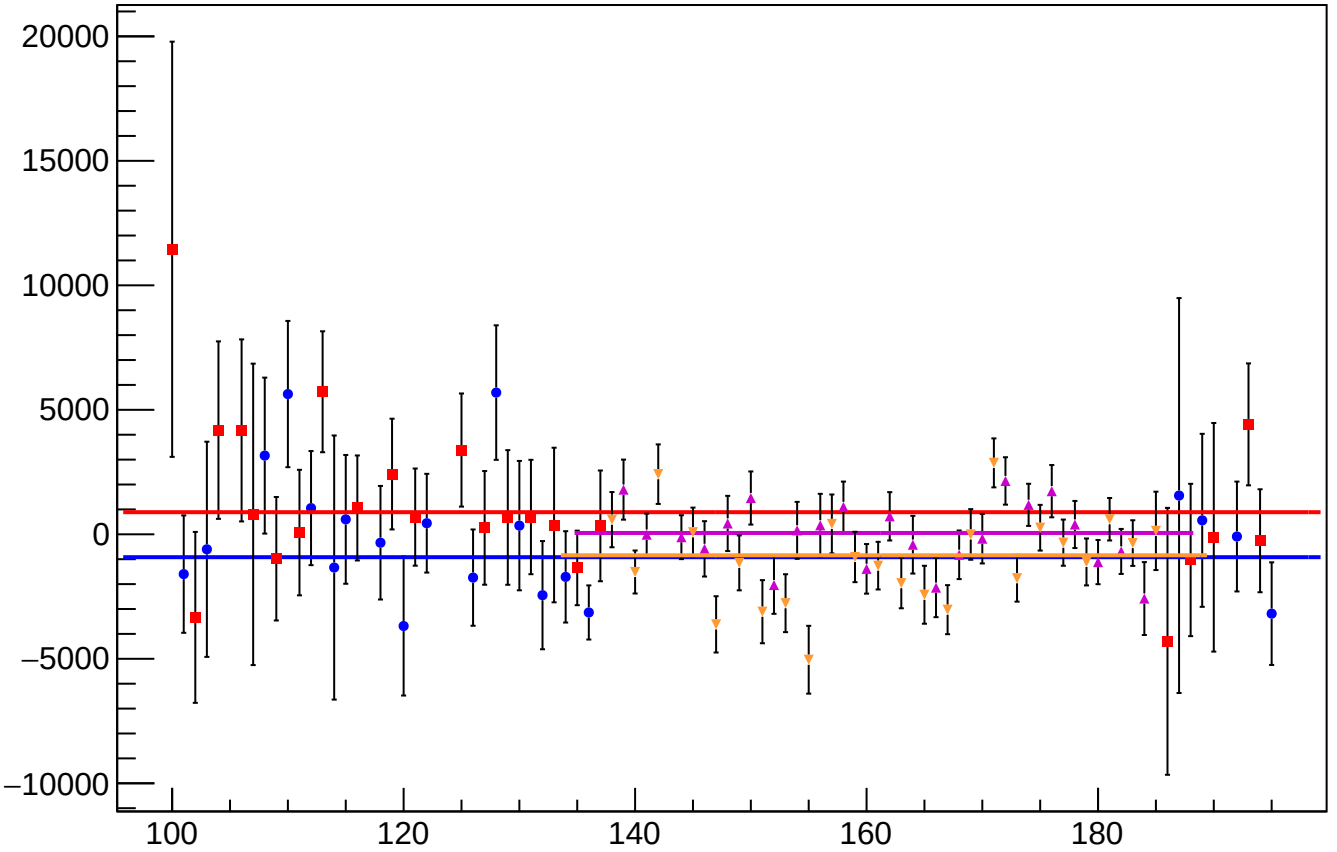
Right: 1840.264+/-0.292 χ^2/NDF: 983599.0/42

In: 1762.372+/-0.236 χ^2/NDF:729373.3/42

Out: 1771.387+/-0.233 χ^2/NDF:350130.0/46

All: 1766.951+/-0.166 χ^2/NDF: 1080242.0/89

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -918.986+/-509.744 χ^2/NDF: 22.3/19

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 888.357+/-533.535 χ^2/NDF: 17.3/22

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

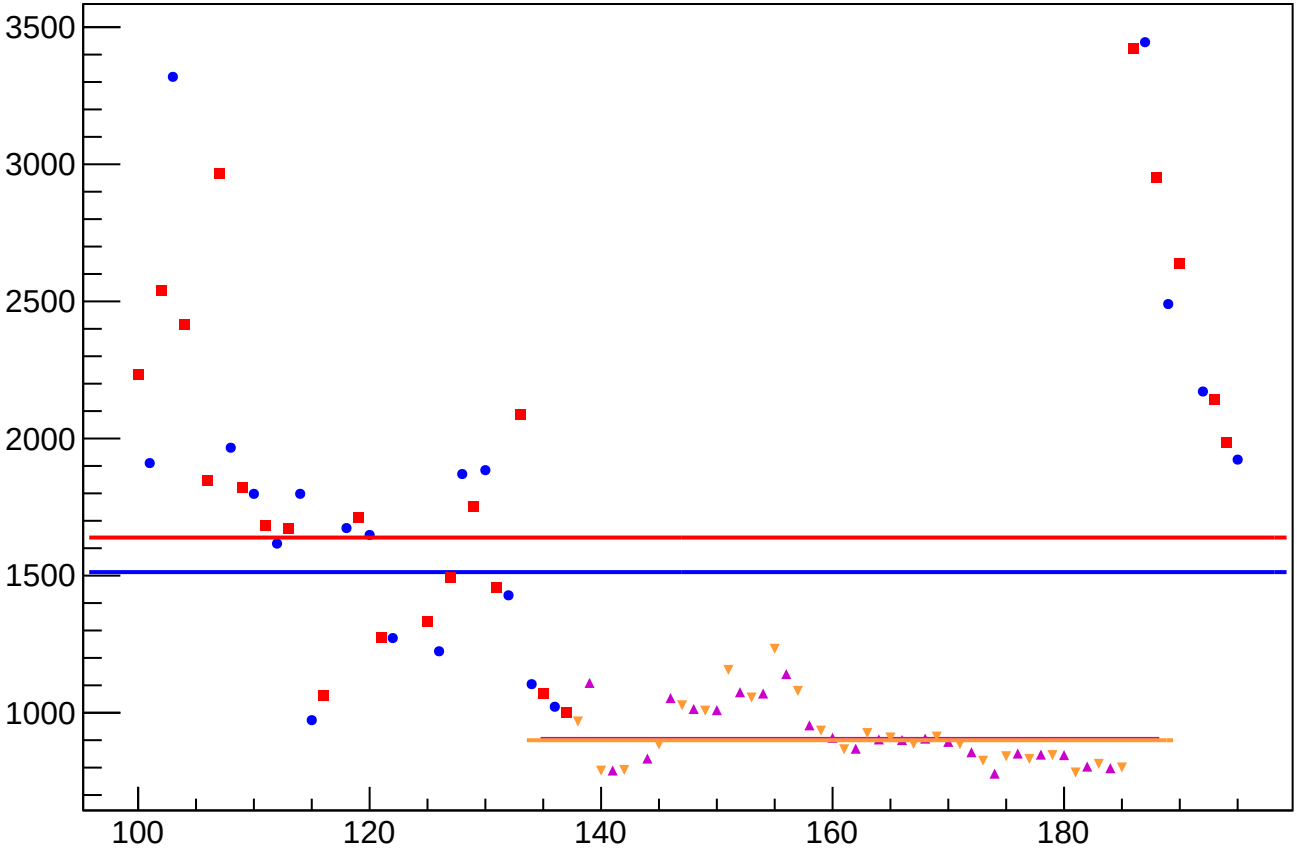
Right: -56.507+/-368.567 χ^2/NDF: 45.5/42

In: -90.656+/-196.505 χ^2/NDF:56.0/42

Out: -608.664+/-196.095 χ^2/NDF:89.1/46

All: -350.201+/-138.805 χ^2/NDF: 148.6/89

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1512.868+/-0.360 χ^2/NDF: 1772942.0/19

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1638.920+/-0.377 χ^2/NDF: 1959661.5/22

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

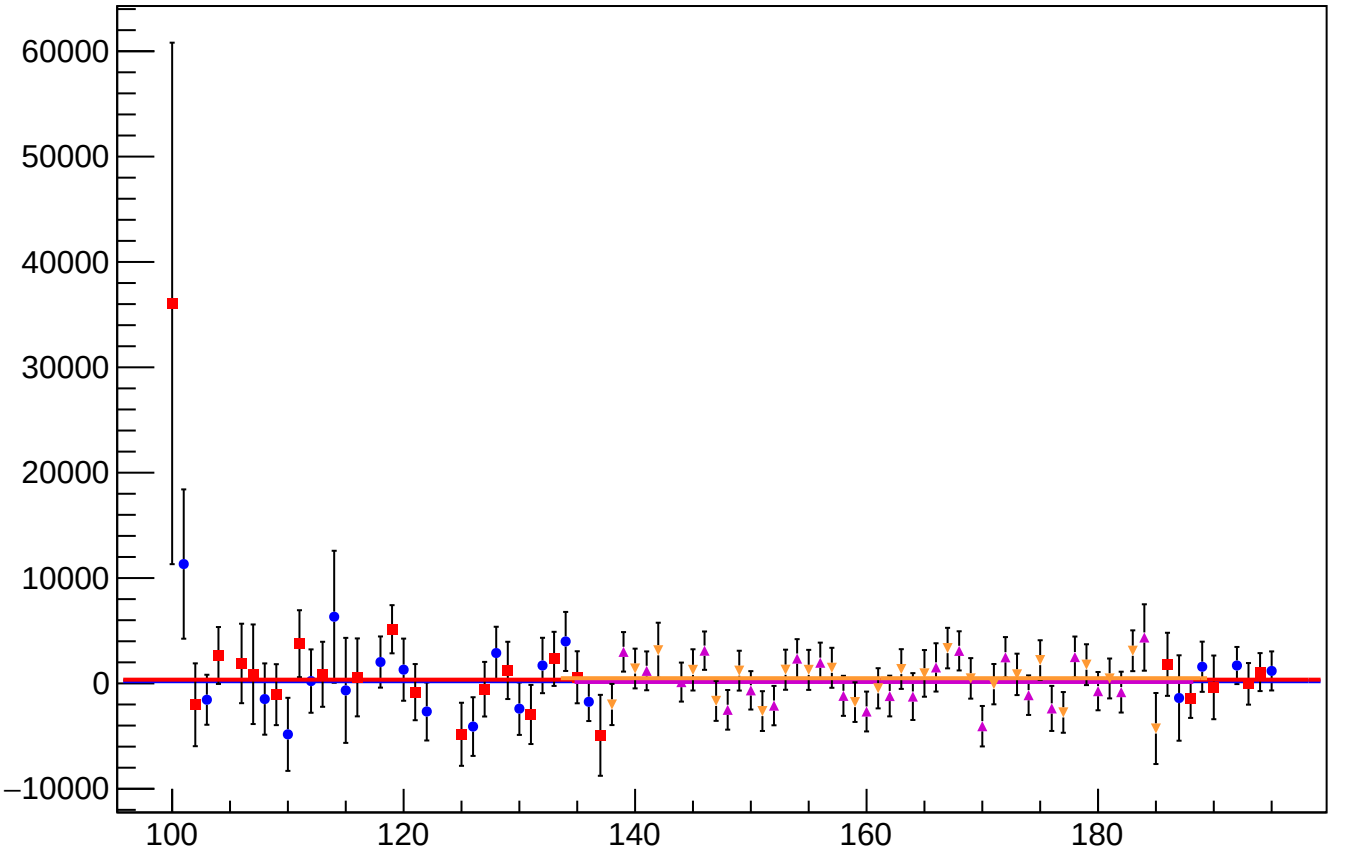
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1573.021+/-0.261 χ^2/NDF: 3790966.0/42

In: 995.038+/-0.139 χ^2/NDF:4649403.2/42

Out: 999.656+/-0.139 χ^2/NDF:5774572.8/46

All: 997.352+/-0.098 χ^2/NDF: 10424529.3/89



Right In: 206.972+/-594.014 χ^2/NDF: 17.5/19

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 356.087+/-574.981 χ^2/NDF: 17.8/22

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

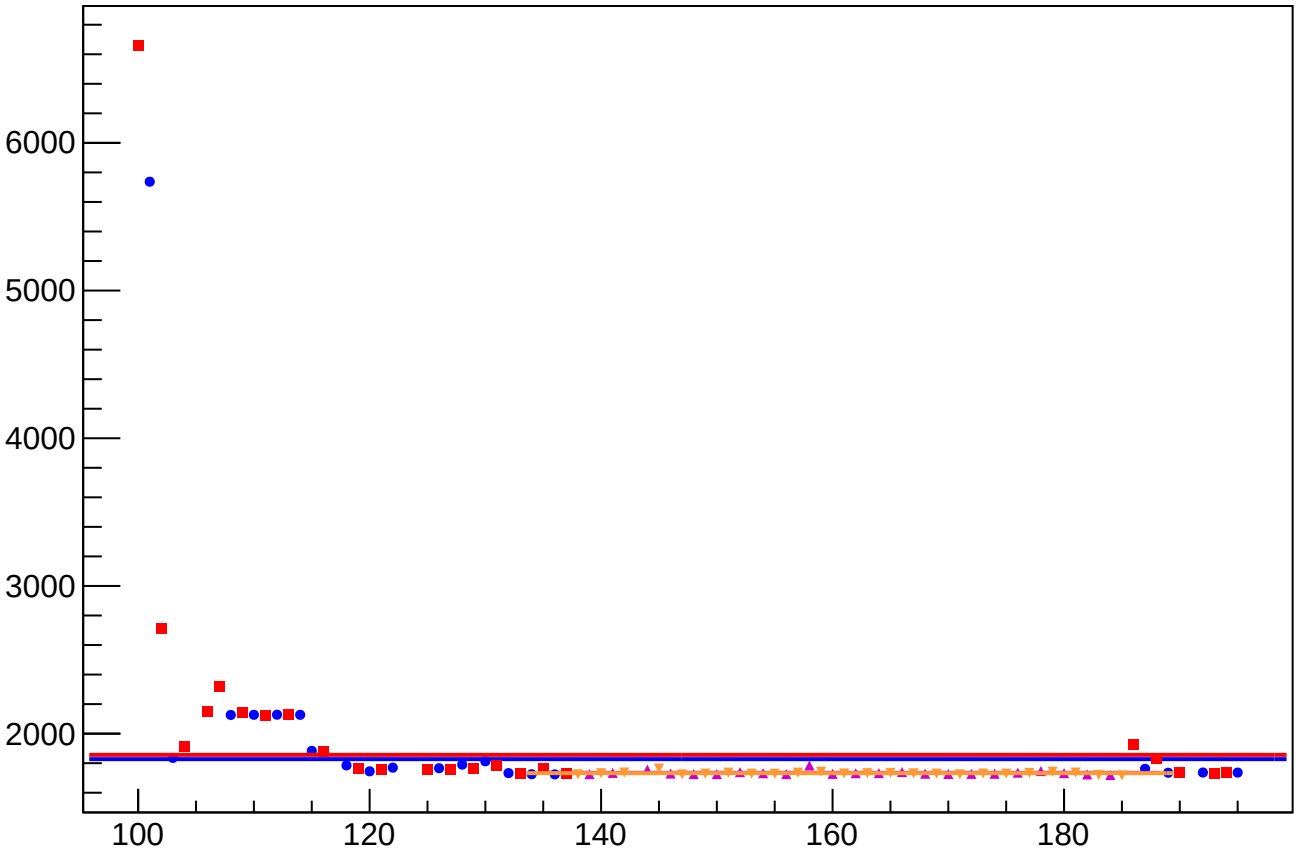
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 283.957+/-413.138 χ^2/NDF: 35.4/42

In: 159.315+/-334.621 χ^2/NDF:47.1/42

Out: 449.312+/-329.500 χ^2/NDF:37.9/46

All: 306.550+/-234.782 χ^2/NDF: 85.4/89



Right In: 1827.256+/-0.420 χ^2/NDF: 694348.2/19

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1856.490+/-0.407 χ^2/NDF: 297976.3/22

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

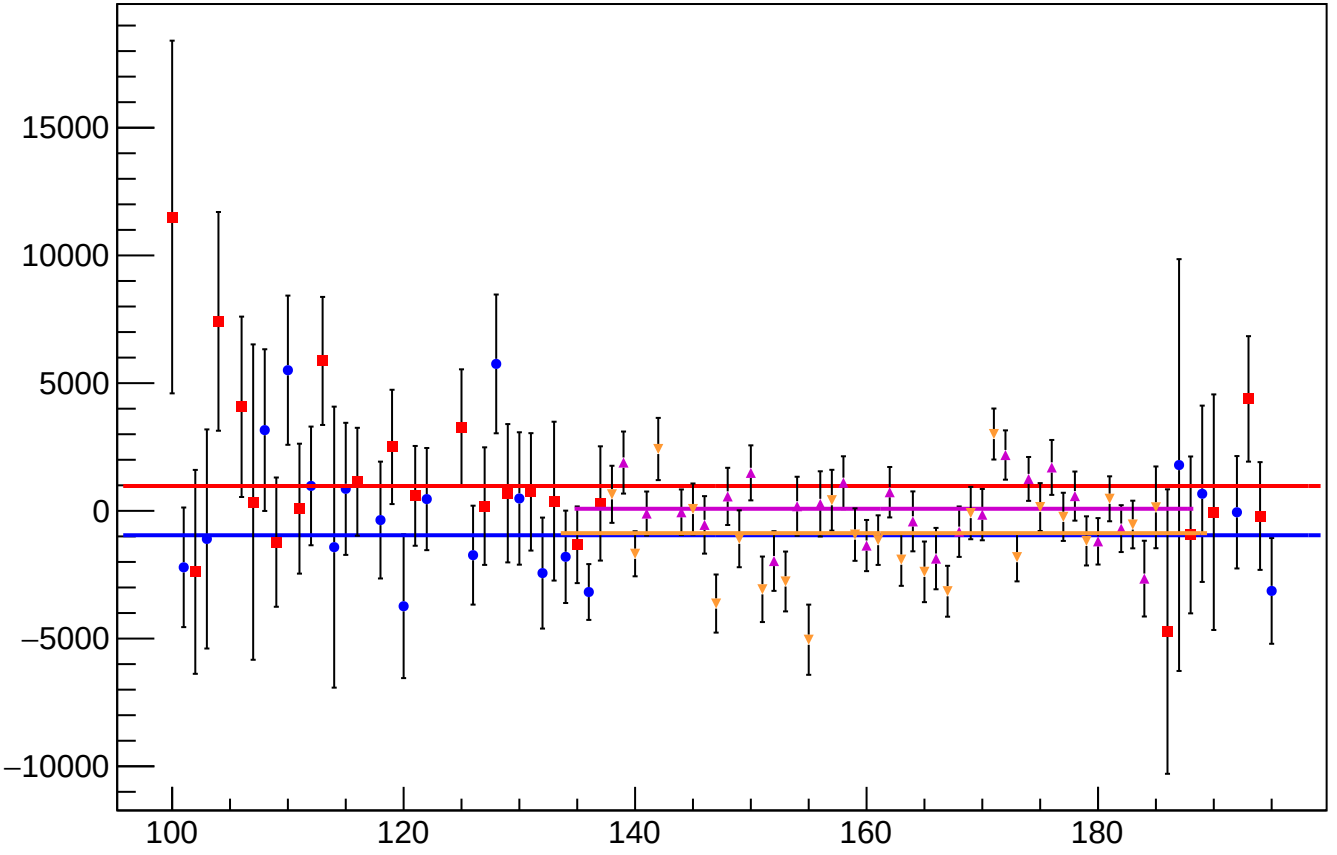
Right: 1842.349+/-0.292 χ^2/NDF: 994825.5/42

In: 1763.981+/-0.237 χ^2/NDF:729806.0/42

Out: 1773.144+/-0.233 χ^2/NDF:361459.9/46

All: 1768.633+/-0.166 χ^2/NDF: 1092027.3/89

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -954.700+/-510.641 χ^2/NDF: 22.6/19

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 973.284+/-539.710 χ^2/NDF: 18.7/22

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

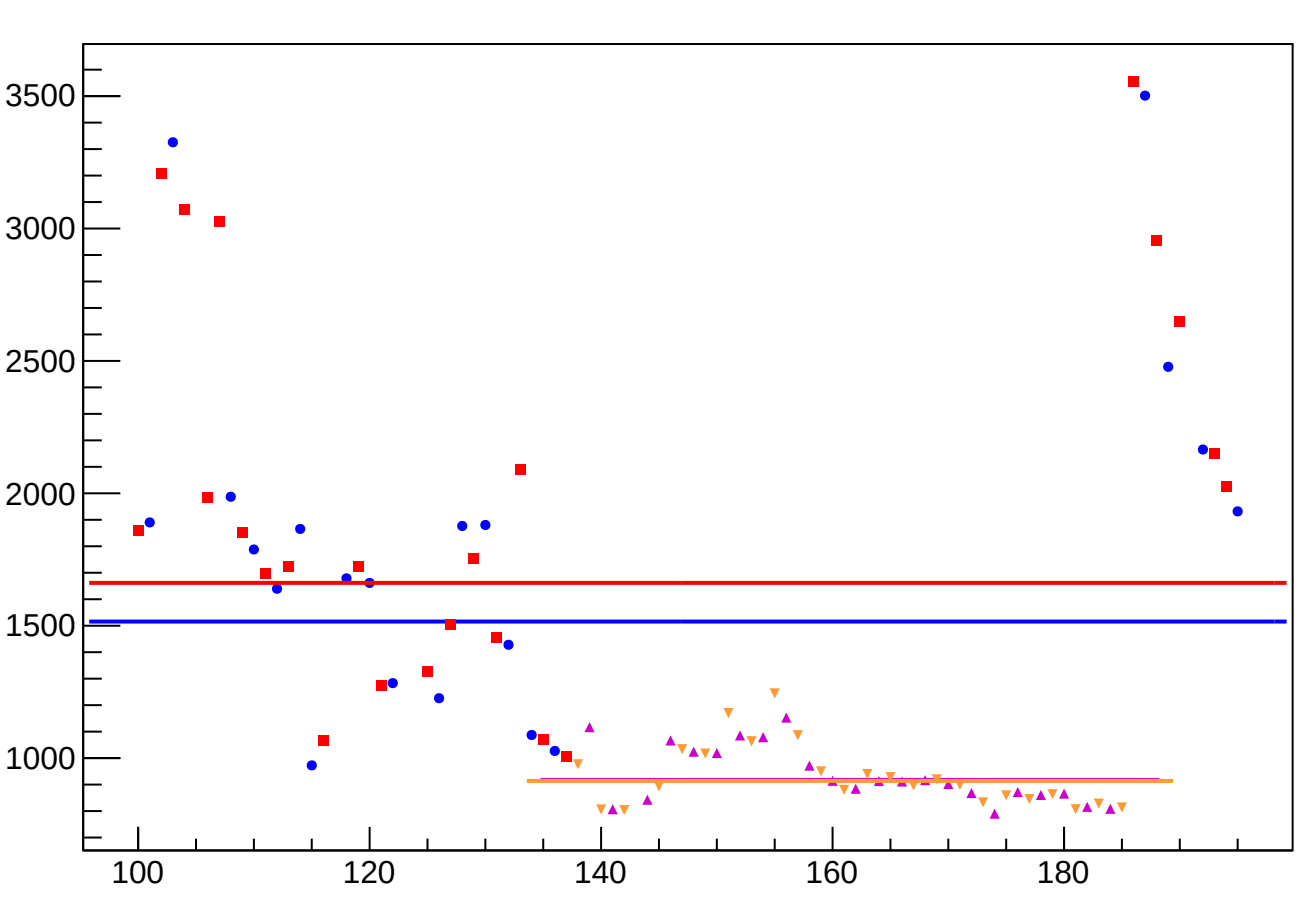
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -44.025+/-370.929 χ^2/NDF: 48.0/42

In: -75.642+/-198.867 χ^2/NDF:56.1/42

Out: -622.000+/-198.939 χ^2/NDF:90.8/46

All: -348.722+/-140.646 χ^2/NDF: 150.6/89



Right In: 1515.708+/-0.361 χ^2/NDF: 1780981.1/19

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1661.773+/-0.382 χ^2/NDF: 2292310.5/22

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

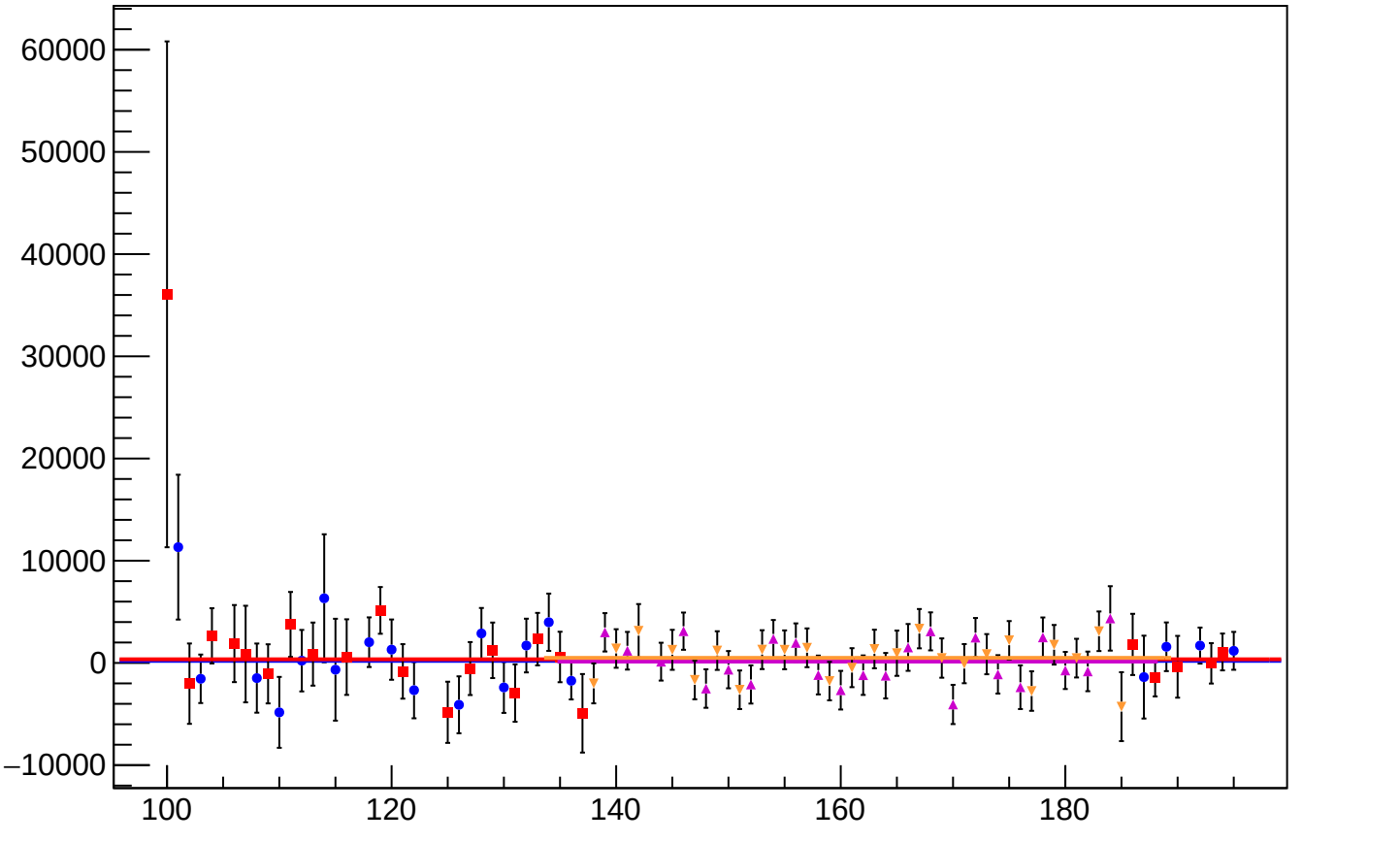
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1584.701+/-0.262 χ^2/NDF: 4150586.2/42

In: 1008.377+/-0.141 χ^2/NDF:4538587.6/42

Out: 1015.511+/-0.141 χ^2/NDF:6073693.9/46

All: 1011.942+/-0.099 χ^2/NDF: 10613568.1/8



Right In: 206.973+/-594.014 χ^2/NDF: 17.5/19

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 356.085+/-574.981 χ^2/NDF: 17.8/22

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

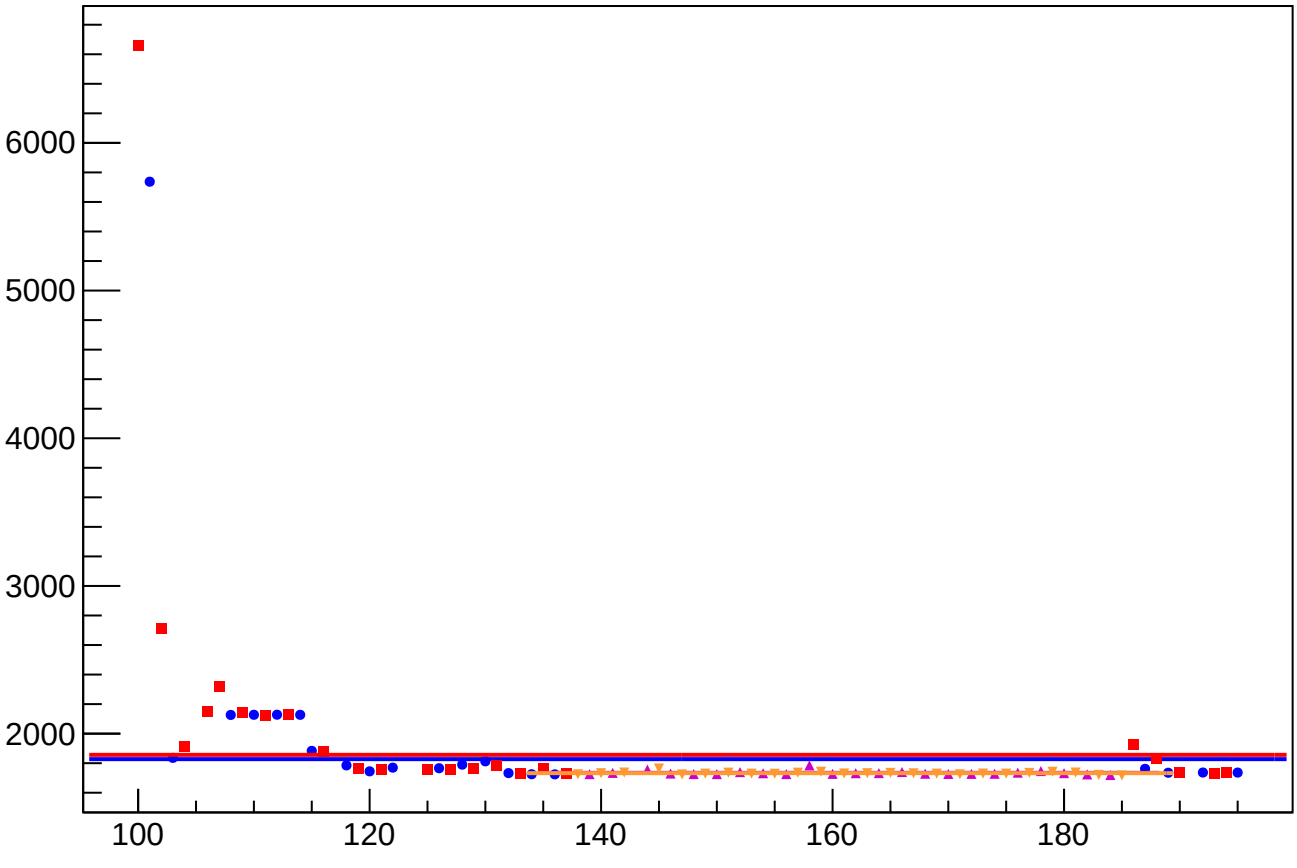
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 283.956+/-413.138 χ^2/NDF: 35.4/42

In: 159.316+/-334.621 χ^2/NDF:47.1/42

Out: 449.311+/-329.500 χ^2/NDF:37.9/46

All: 306.549+/-234.782 χ^2/NDF: 85.4/89



Right In: 1827.255+/-0.420 χ^2/NDF: 694348.2/19

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1856.490+/-0.407 χ^2/NDF: 297976.1/22

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

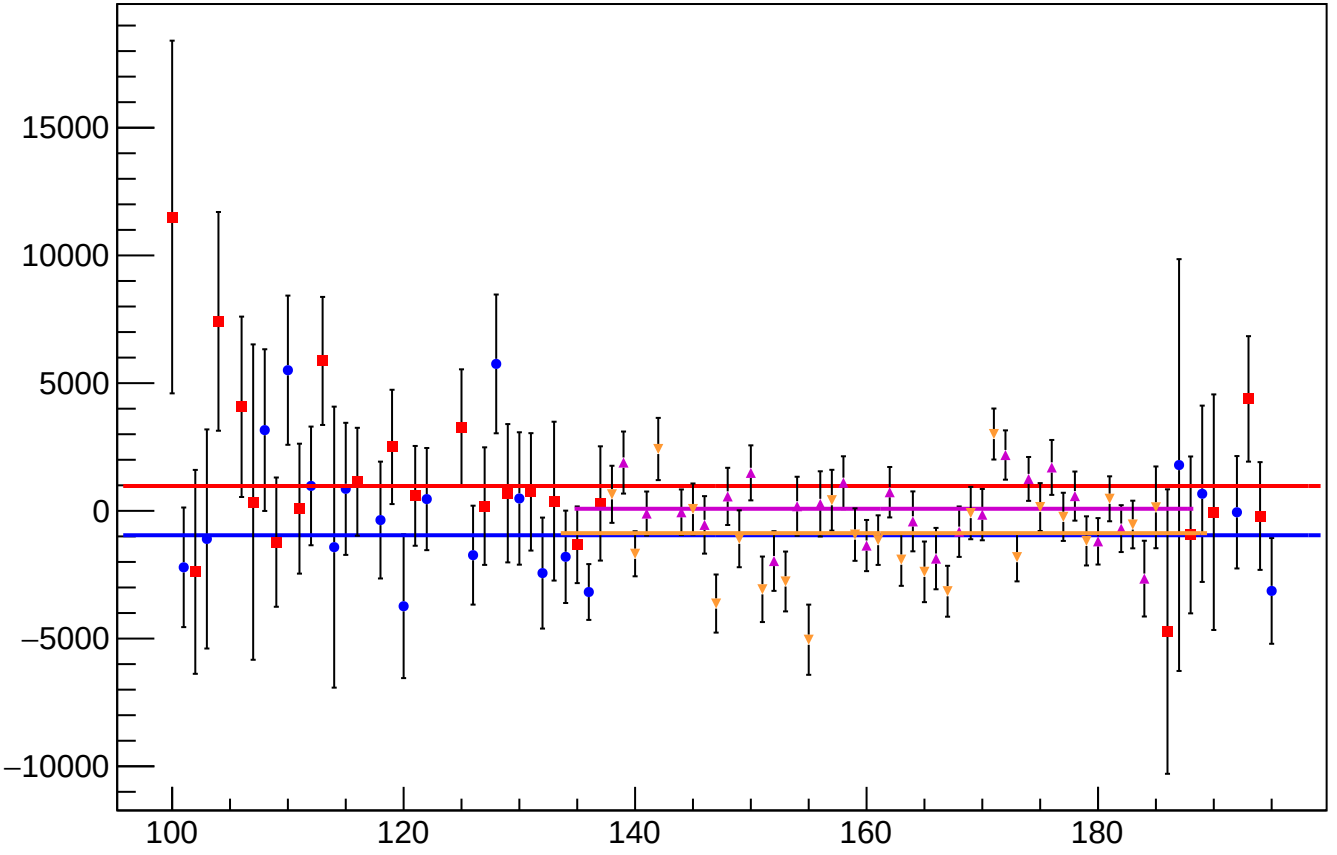
Right: 1842.349+/-0.292 χ^2/NDF: 994825.3/42

In: 1763.981+/-0.237 χ^2/NDF:729806.0/42

Out: 1773.144+/-0.233 χ^2/NDF:361459.6/46

All: 1768.633+/-0.166 χ^2/NDF: 1092027.0/89

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -954.694+/-510.640 χ^2/NDF: 22.6/19

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 973.282+/-539.709 χ^2/NDF: 18.7/22

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

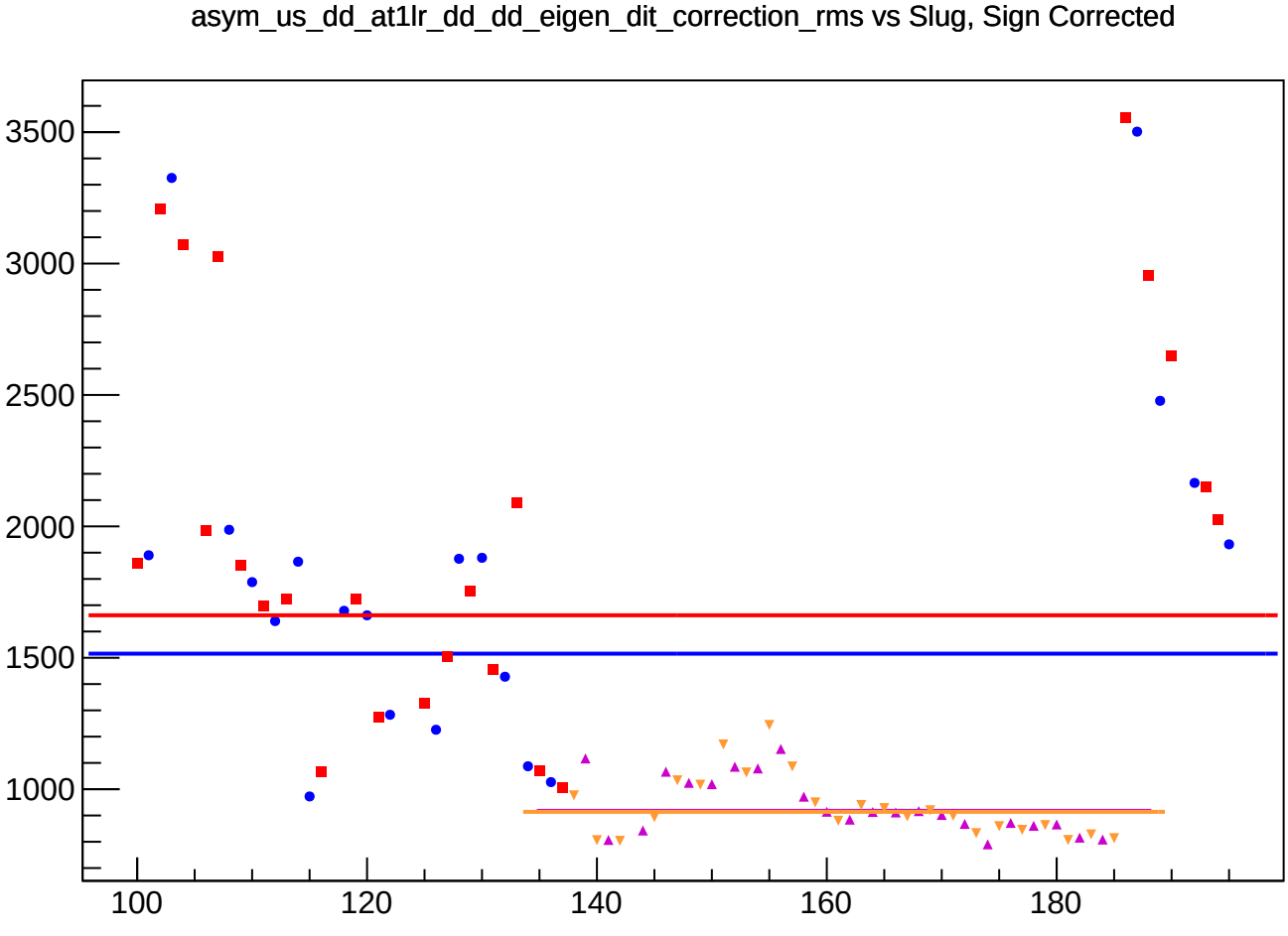
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -44.023+/-370.928 χ^2/NDF: 48.0/42

In: -75.642+/-198.867 χ^2/NDF:56.1/42

Out: -621.998+/-198.939 χ^2/NDF:90.8/46

All: -348.722+/-140.645 χ^2/NDF: 150.6/89



Right In: 1515.705+/-0.361 χ^2/NDF: 1780983.7/19

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1661.770+/-0.382 χ^2/NDF: 2292315.2/22

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

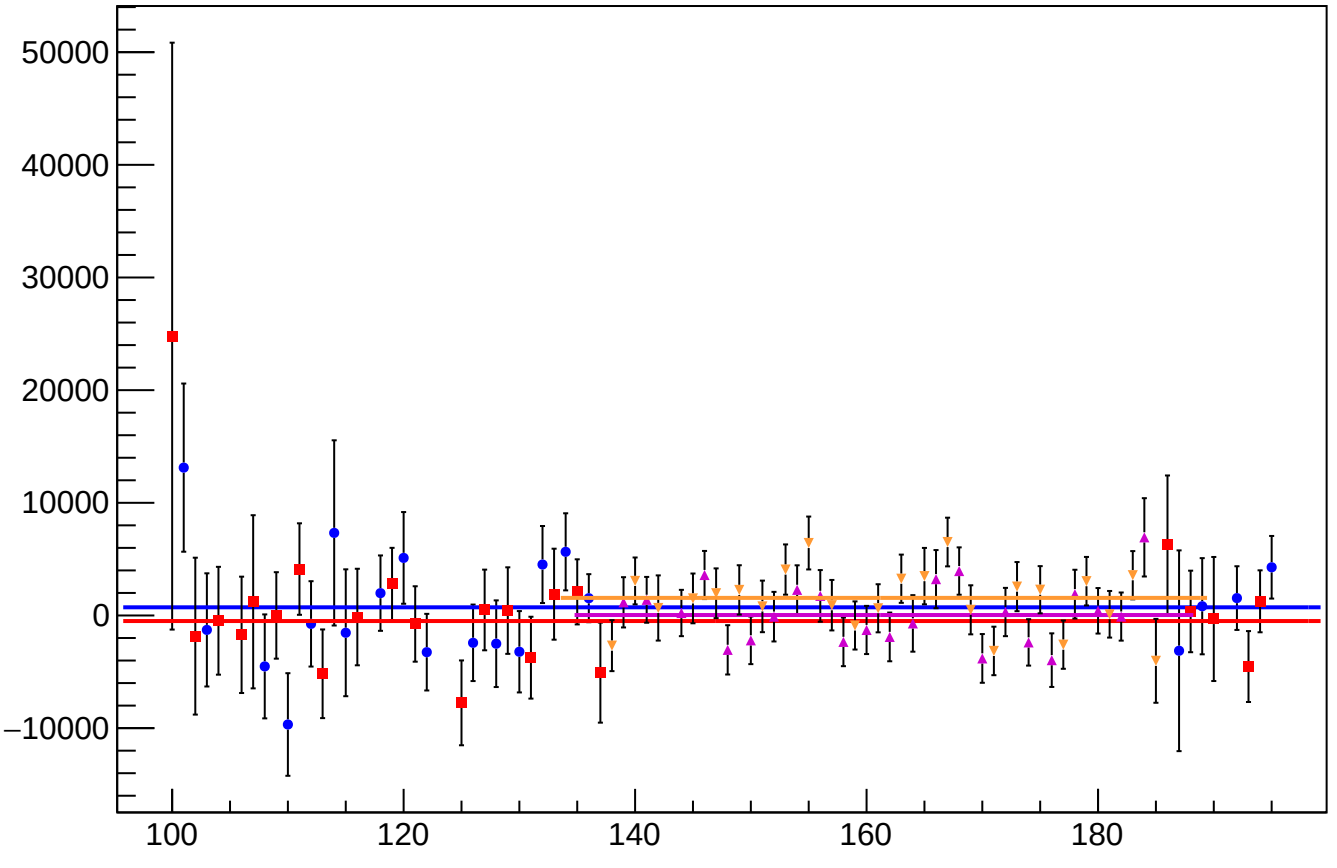
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1584.698+/-0.262 χ^2/NDF: 4150594.2/42

In: 1008.376+/-0.141 χ^2/NDF:4538587.1/42

Out: 1015.510+/-0.141 χ^2/NDF:6073693.9/46

All: 1011.942+/-0.099 χ^2/NDF: 10613567.7/8



Right In: 725.090+/-830.714 χ^2/NDF: 21.2/19

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -493.839+/-831.233 χ^2/NDF: 15.1/22

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

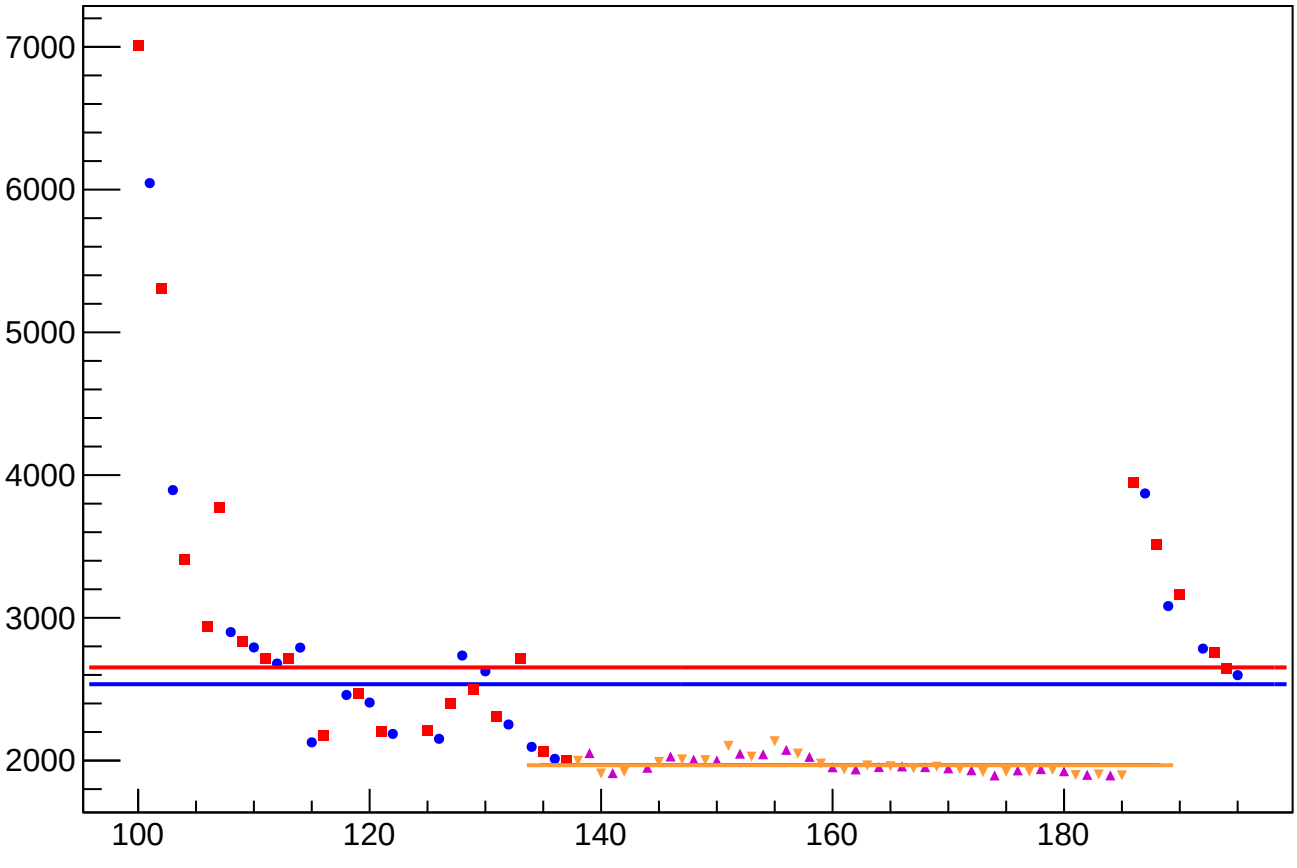
Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

Right: 116.006+/-587.587 χ^2/NDF: 37.3/42

In: 200.649+/-402.380 χ^2/NDF:49.5/42

Out: 1084.520+/-400.388 χ^2/NDF:51.0/46

All: 644.778+/-283.819 χ^2/NDF: 102.9/89



Right In: 2534.928+/-0.587 χ^2/NDF: 940643.1/19

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2652.611+/-0.588 χ^2/NDF: 923986.7/22

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

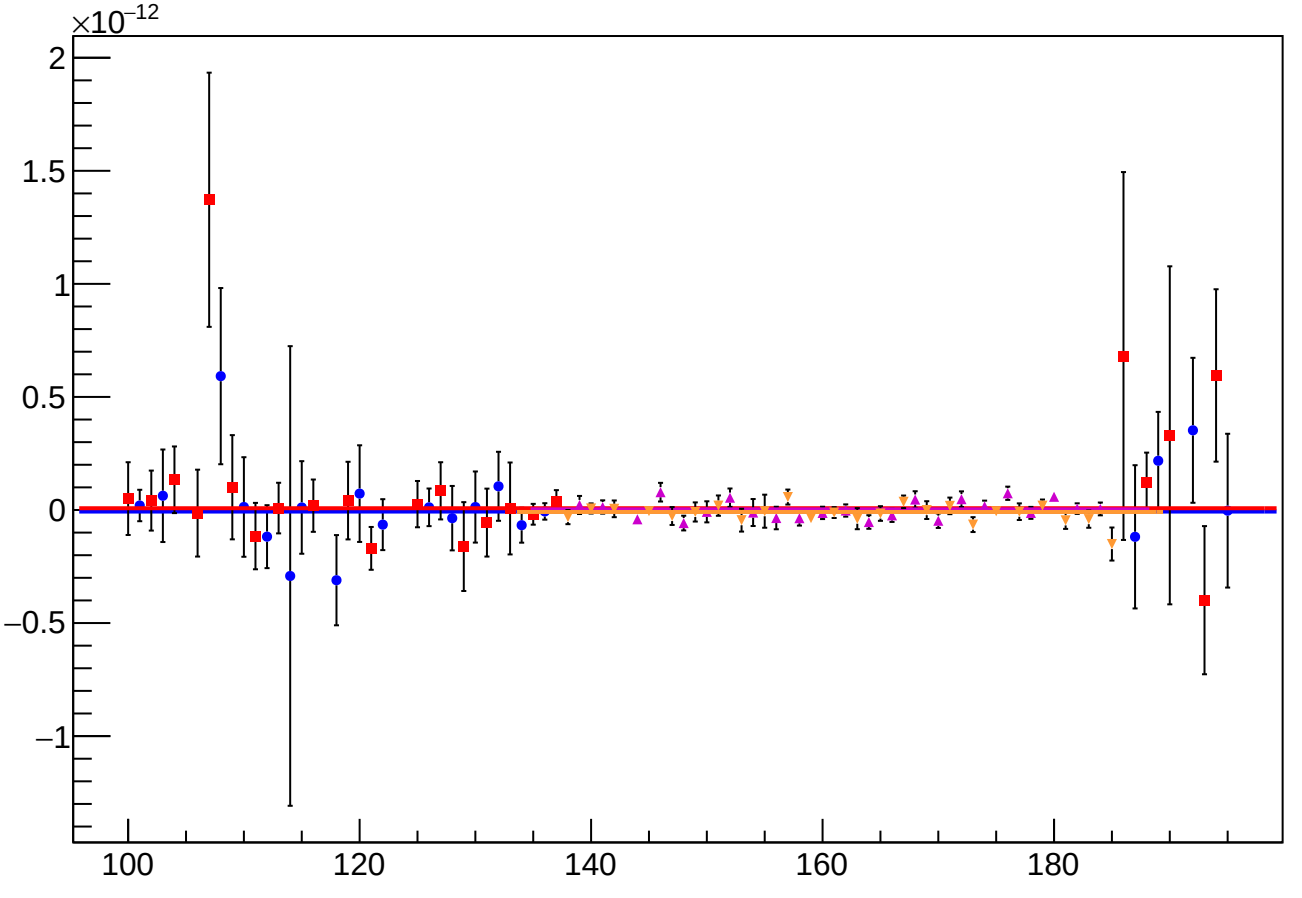
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2593.733+/-0.415 χ^2/NDF: 1884686.3/42

In: 2101.796+/-0.285 χ^2/NDF:1677545.5/42

Out: 2126.392+/-0.283 χ^2/NDF:2001886.5/46

All: 2114.155+/-0.201 χ^2/NDF: 3683186.9/89



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/22

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

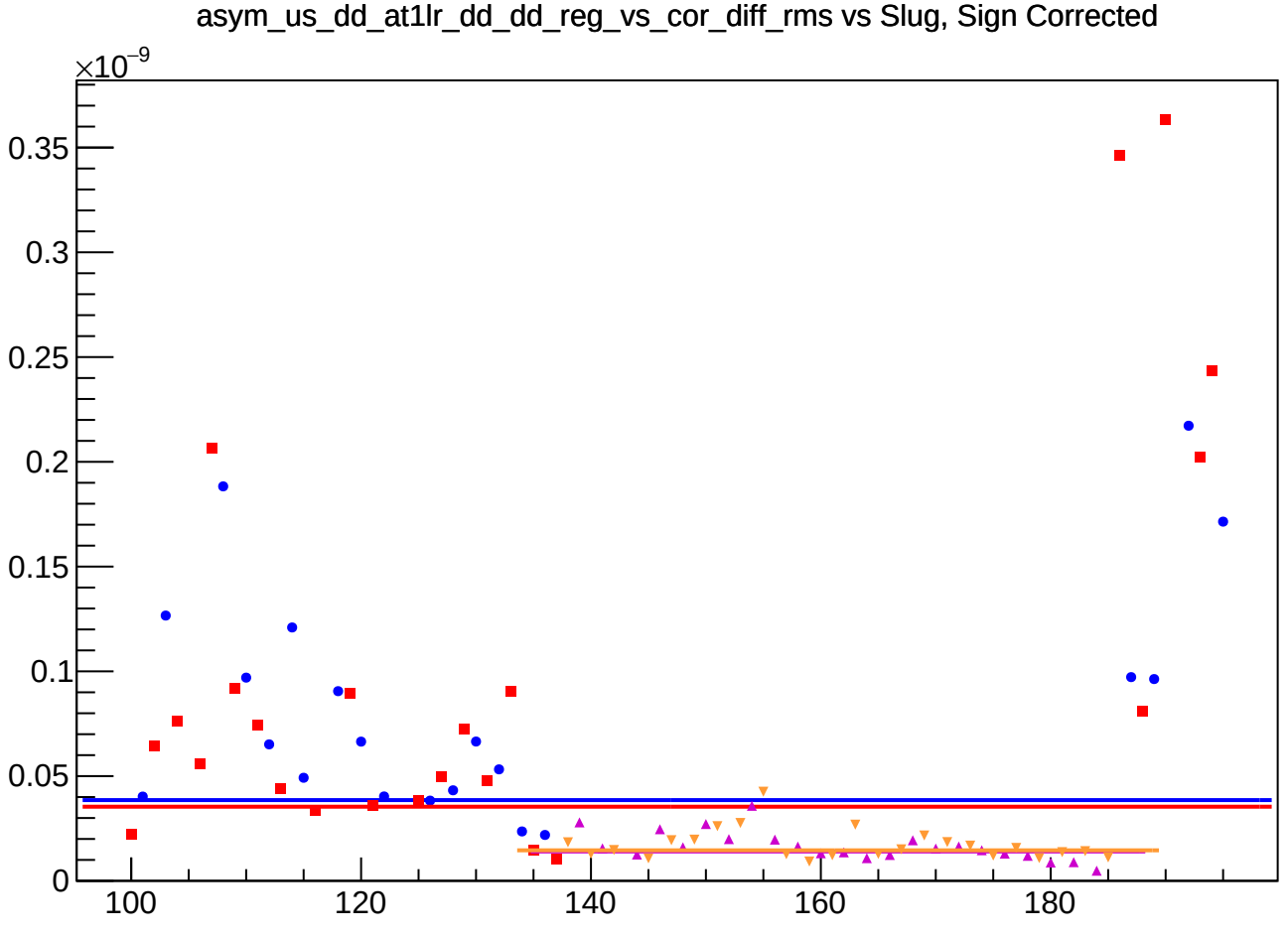
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 28.8/42

In: 0.000+/-0.000 χ^2/NDF:48.9/42

Out: -0.000+/-0.000 χ^2/NDF:40.1/46

All: -0.000+/-0.000 χ^2/NDF: 90.1/89



Right In: 0.000+/-0.000 χ^2/NDF: 2785308.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4161863.0/22

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

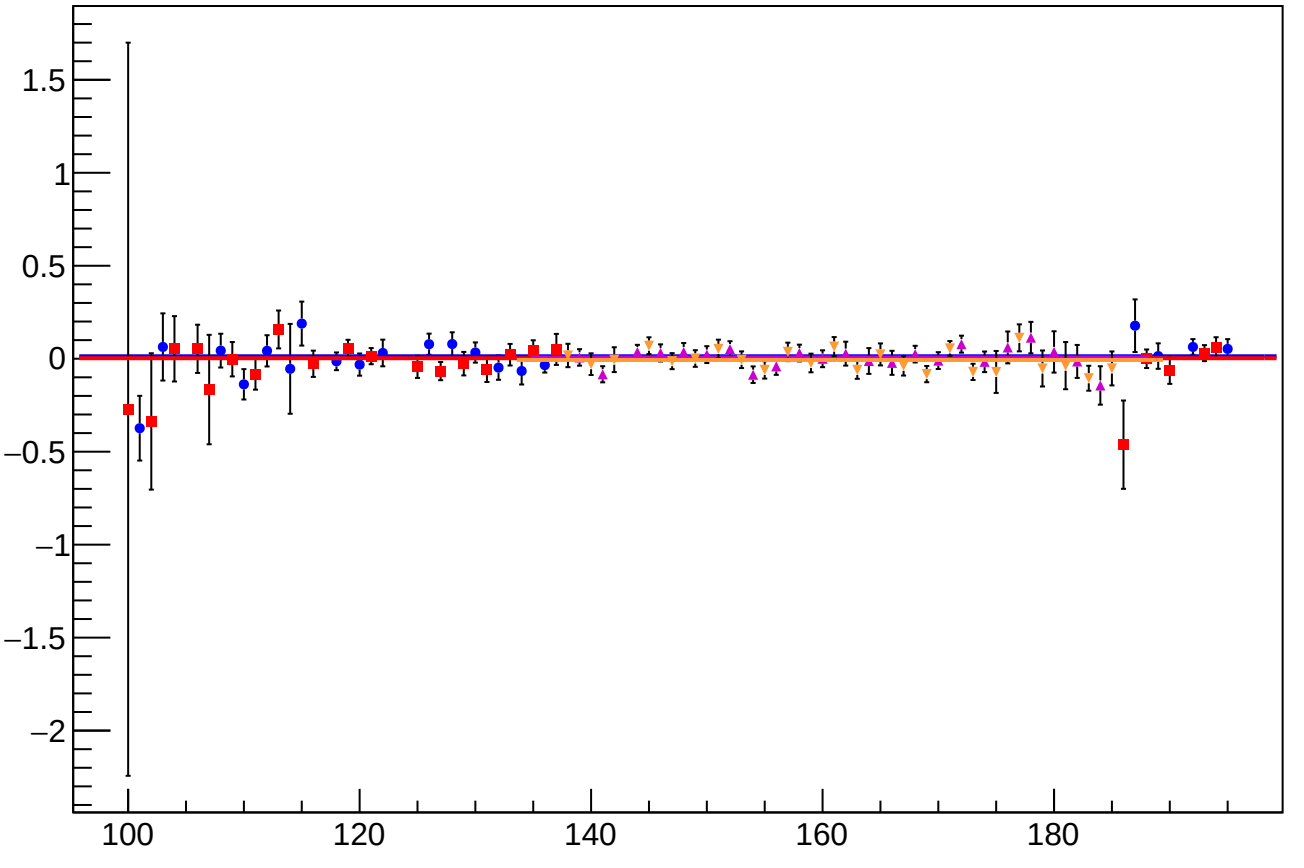
Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

Right: 0.000+/-0.000 χ^2/NDF: 6964412.5/42

In: 0.000+/-0.000 χ^2/NDF:6142388.2/42

Out: 0.000+/-0.000 χ^2/NDF:6763665.7/46

All: 0.000+/-0.000 χ^2/NDF: 12910507.5/89



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

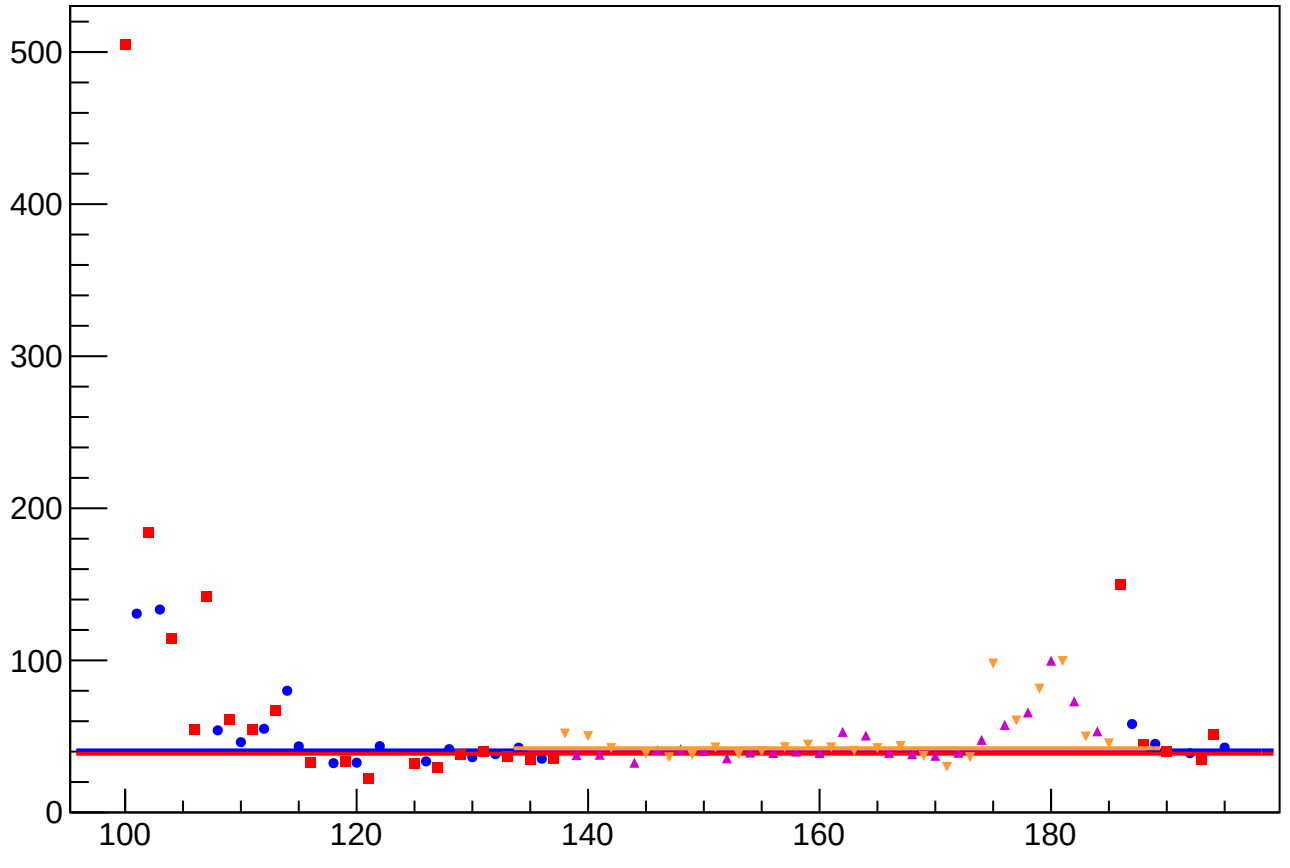
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.008+/-0.010 χ^2/NDF: 38.4/42

In: 0.009+/-0.009 χ^2/NDF:41.4/42

Out: -0.003+/-0.009 χ^2/NDF:41.1/46

All: 0.003+/-0.006 χ^2/NDF: 83.5/89



Right In: 40.778+/-0.010 χ^2/NDF: 1455710.2/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.641+/-0.010 χ^2/NDF: 2442045.5/22

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

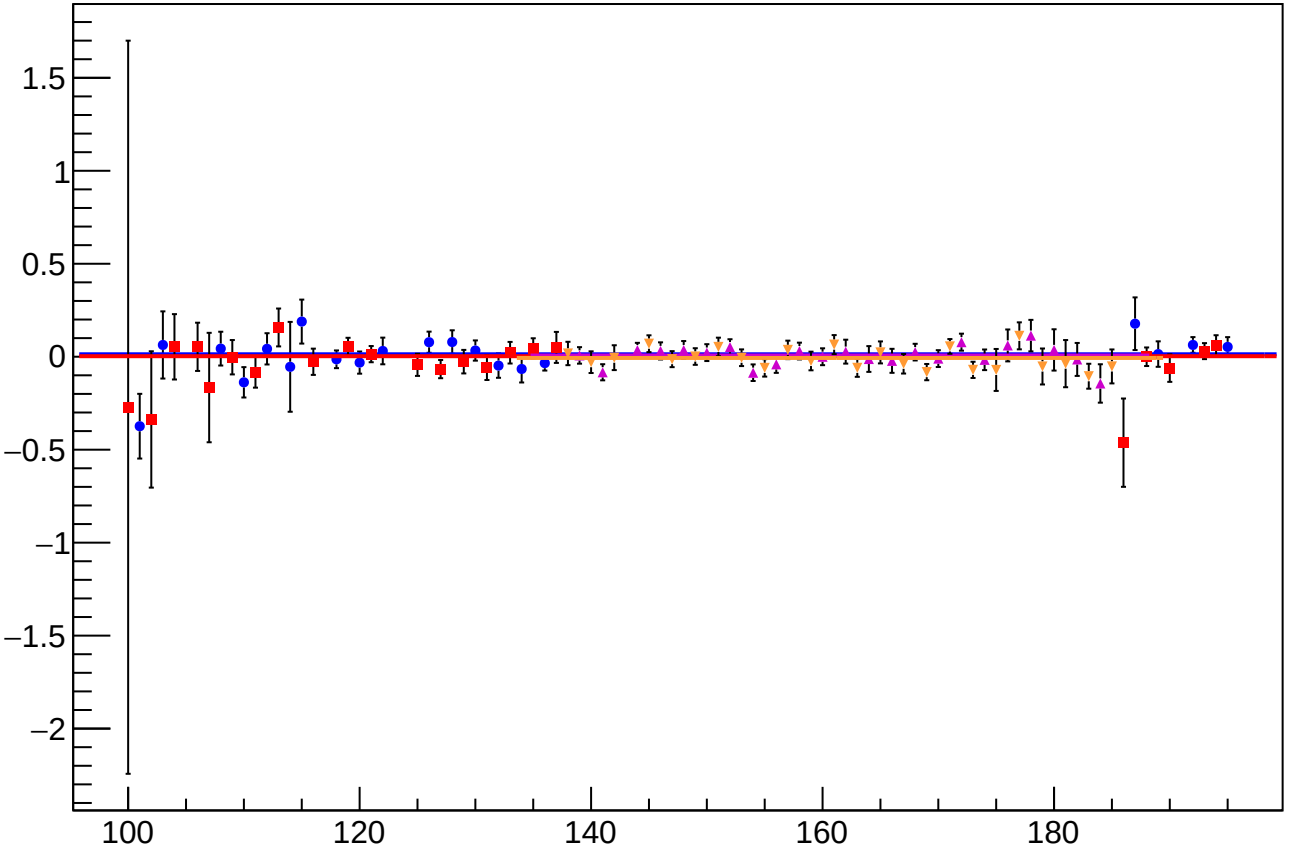
Right: 39.662+/-0.007 χ^2/NDF: 3919783.1/42

In: 41.198+/-0.006 χ^2/NDF:2870373.4/42

Out: 40.867+/-0.006 χ^2/NDF:4341614.8/46

All: 41.032+/-0.004 χ^2/NDF: 7213444.5/89

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

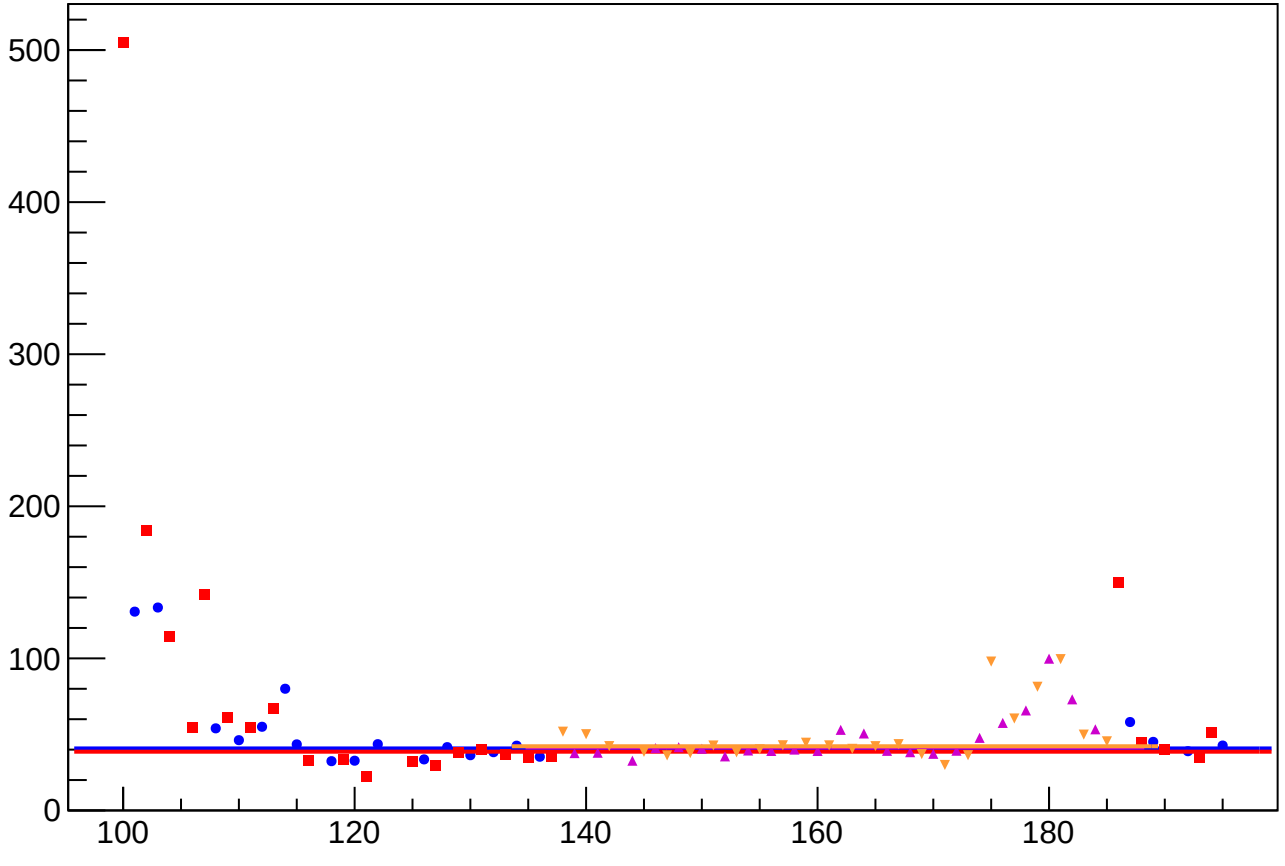
Right: 0.008+/-0.010 χ^2/NDF: 38.4/42

In: 0.009+/-0.009 χ^2/NDF:41.4/42

Out: -0.003+/-0.009 χ^2/NDF:41.1/46

All: 0.003+/-0.006 χ^2/NDF: 83.5/89

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.778+/-0.010 χ^2/NDF: 1455710.2/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.641+/-0.010 χ^2/NDF: 2442045.5/22

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

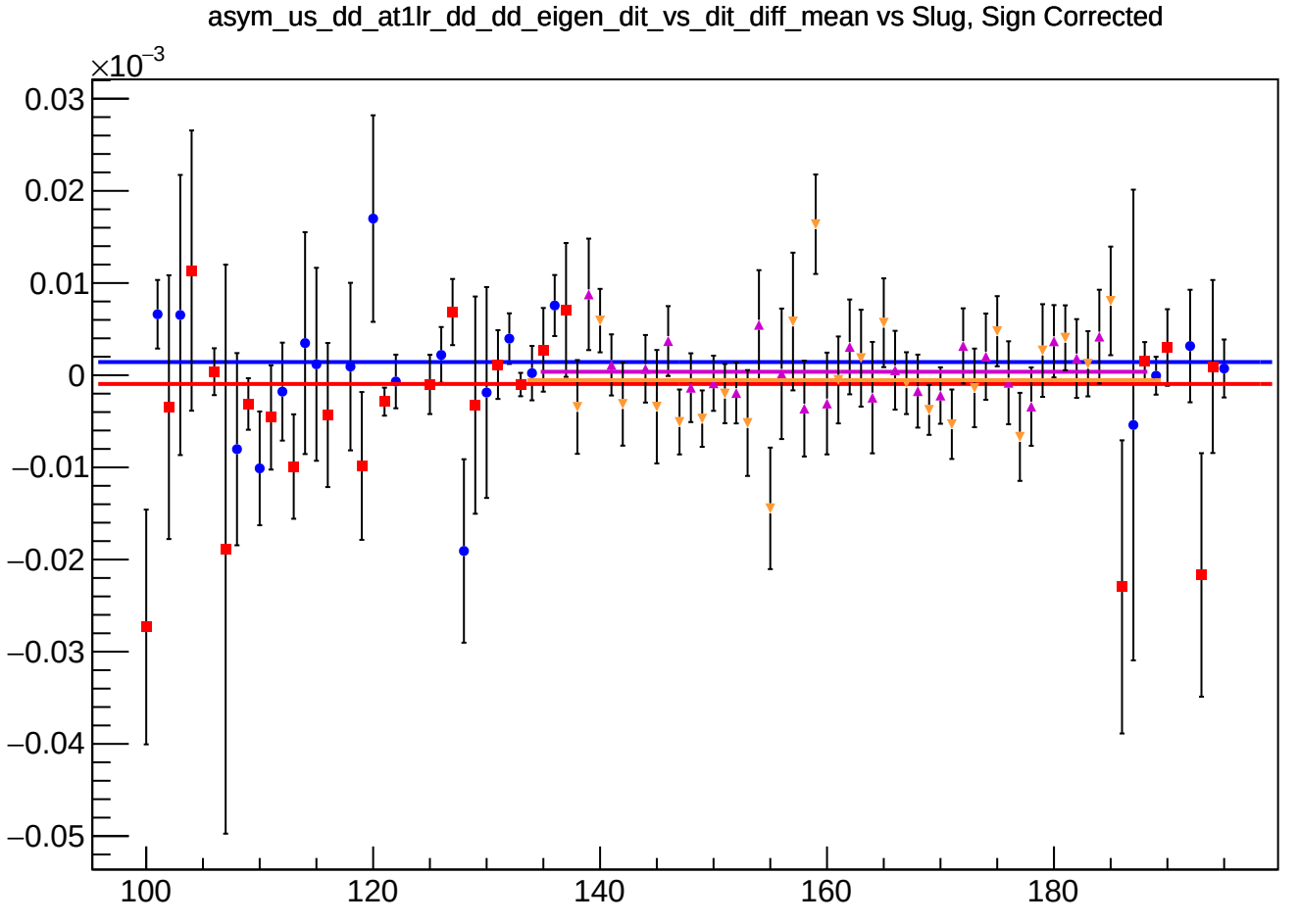
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 39.662+/-0.007 χ^2/NDF: 3919783.1/42

In: 41.198+/-0.006 χ^2/NDF:2870373.4/42

Out: 40.867+/-0.006 χ^2/NDF:4341614.8/46

All: 41.032+/-0.004 χ^2/NDF: 7213444.5/89



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/22

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

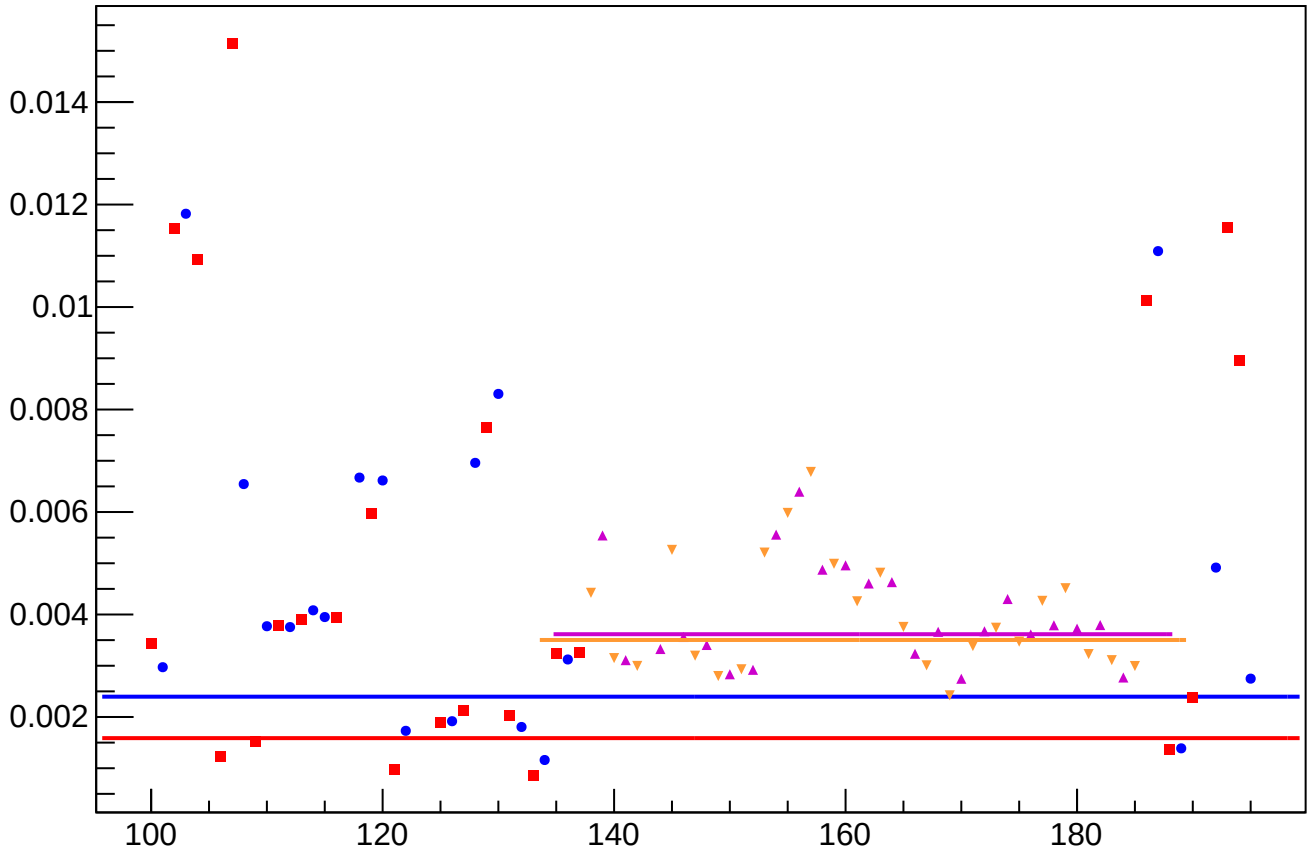
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: -0.000+/-0.000 χ^2/NDF: 48.7/42

In: 0.000+/-0.000 χ^2/NDF:29.1/42

Out: -0.000+/-0.000 χ^2/NDF:62.8/46

All: -0.000+/-0.000 χ^2/NDF: 95.8/89



Right In: 0.002+/-0.000 χ^2/NDF: 4899762.8/19

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 8641973.8/22

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

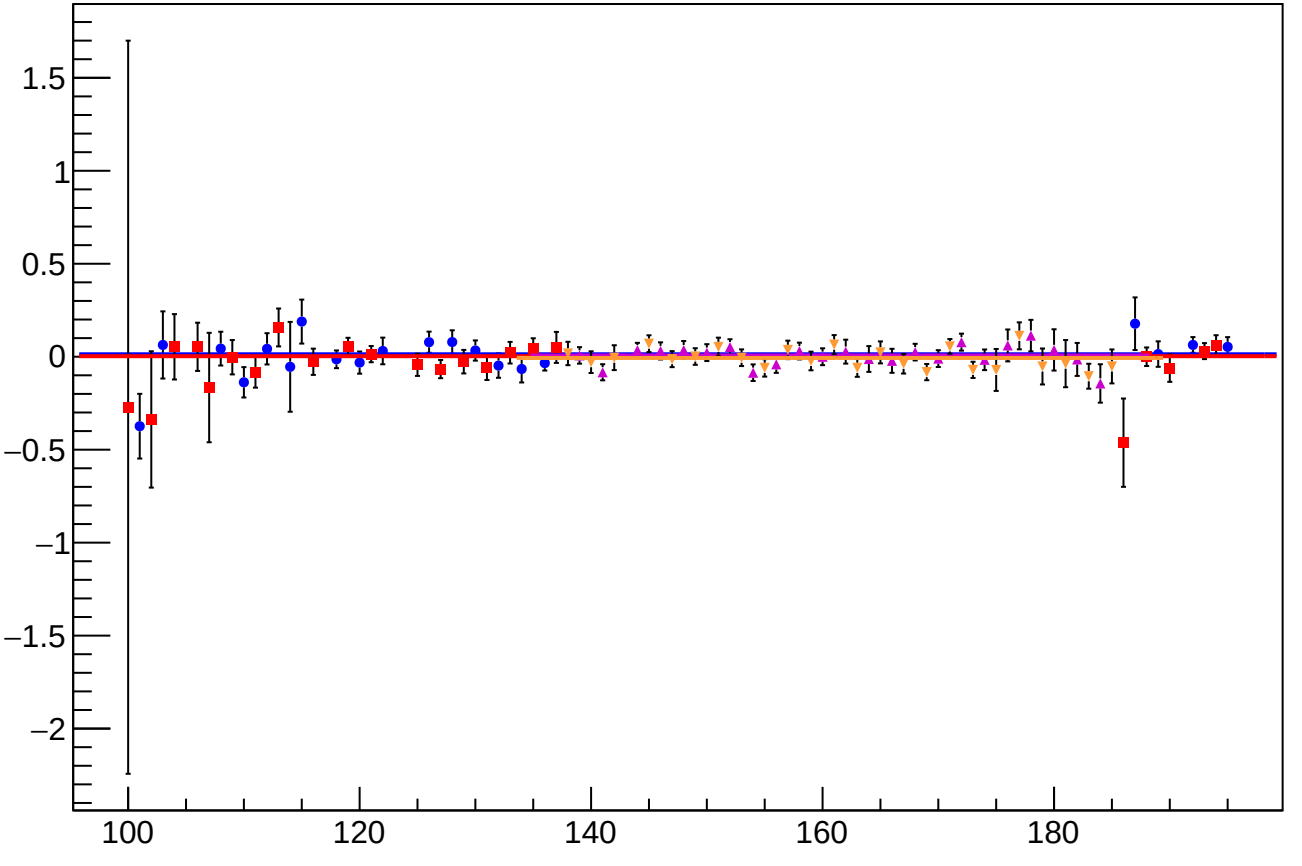
Right: 0.002+/-0.000 χ^2/NDF: 14501306.2/42

In: 0.003+/-0.000 χ^2/NDF:8378583.7/42

Out: 0.002+/-0.000 χ^2/NDF:16979937.1/46

All: 0.003+/-0.000 χ^2/NDF: 26731191.0/89

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

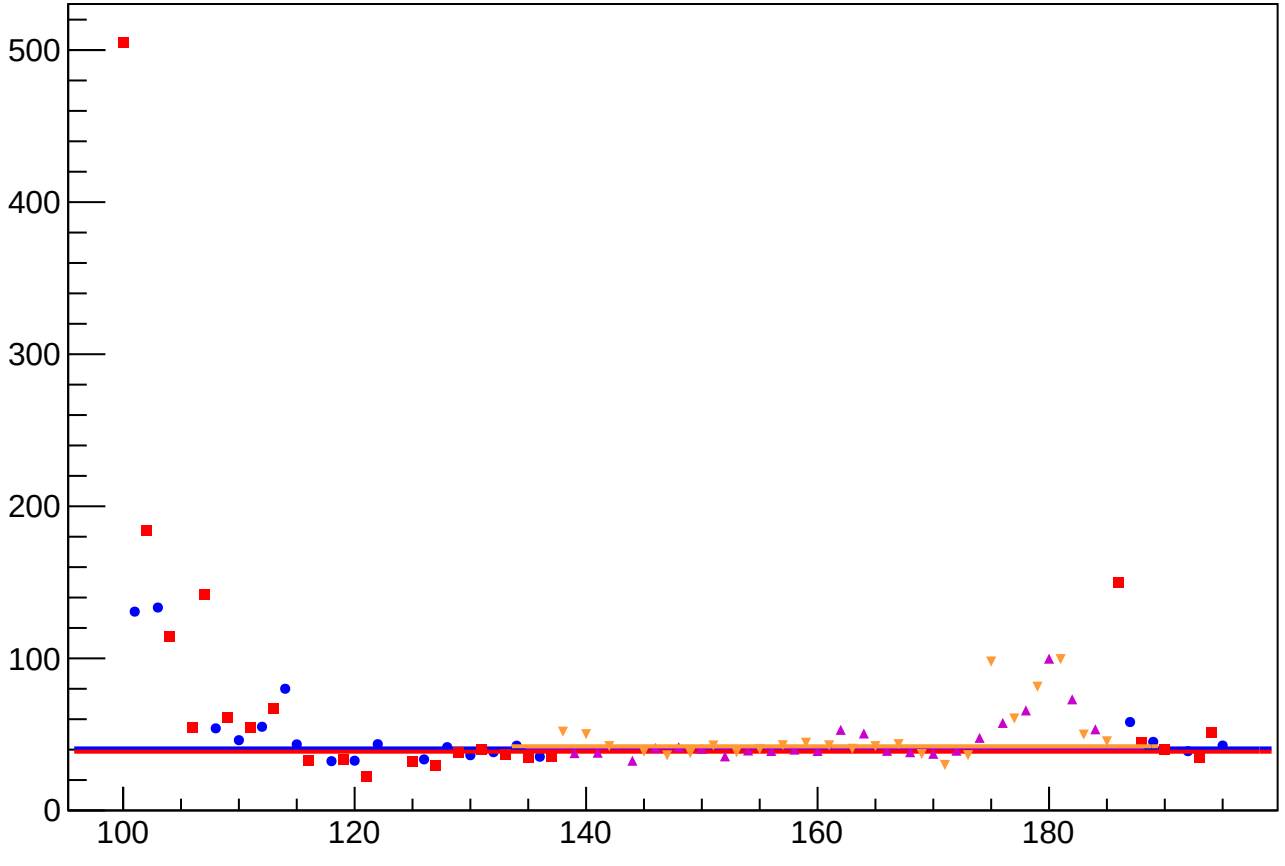
Right: 0.008+/-0.010 χ^2/NDF: 38.4/42

In: 0.009+/-0.009 χ^2/NDF:41.4/42

Out: -0.003+/-0.009 χ^2/NDF:41.1/46

All: 0.003+/-0.006 χ^2/NDF: 83.5/89

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.779+/-0.010 χ^2/NDF: 1455584.0/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.640+/-0.010 χ^2/NDF: 2442035.8/22

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

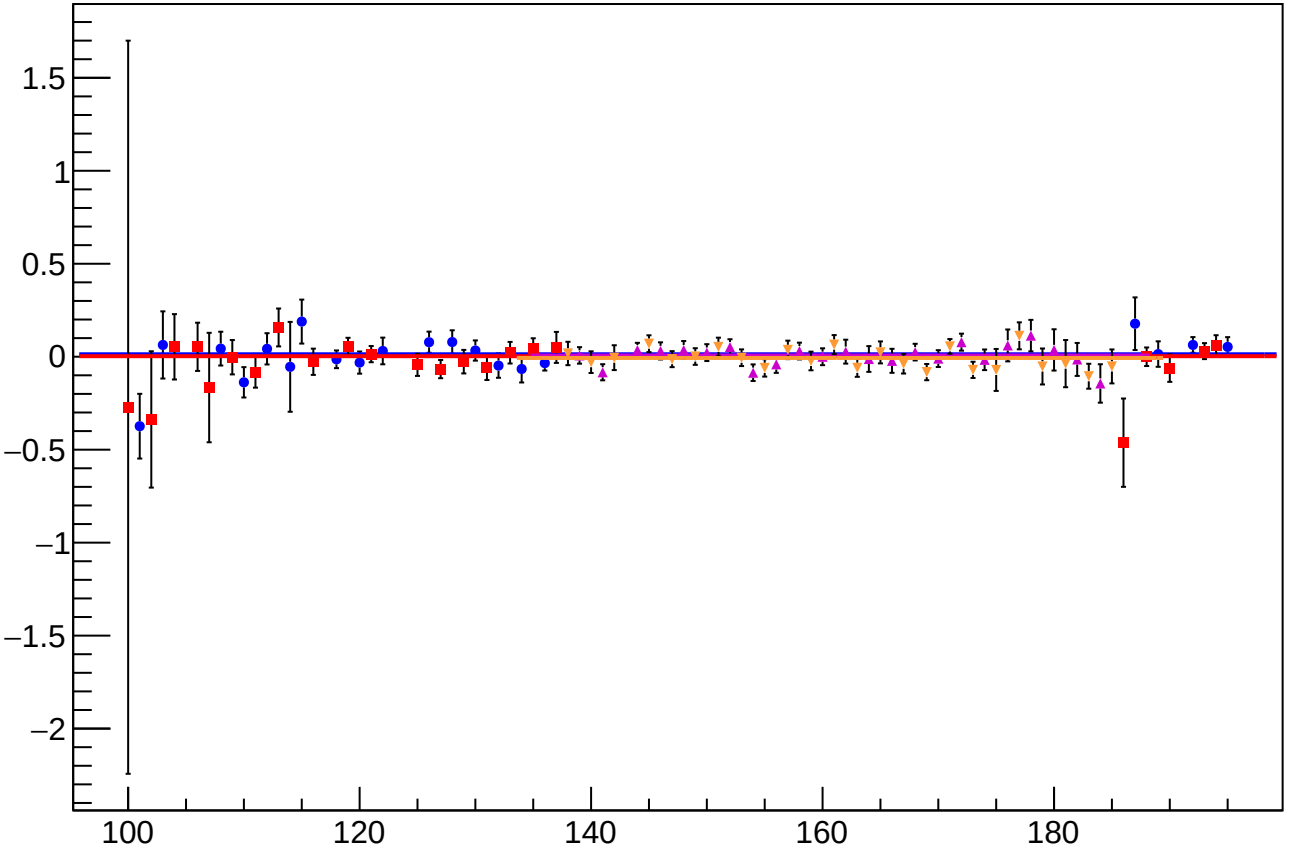
Right: 39.661+/-0.007 χ^2/NDF: 3919684.0/42

In: 41.198+/-0.006 χ^2/NDF:2870174.7/42

Out: 40.867+/-0.006 χ^2/NDF:4341650.7/46

All: 41.031+/-0.004 χ^2/NDF: 7213288.7/89

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.015 χ^2/NDF: 21.2/19

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

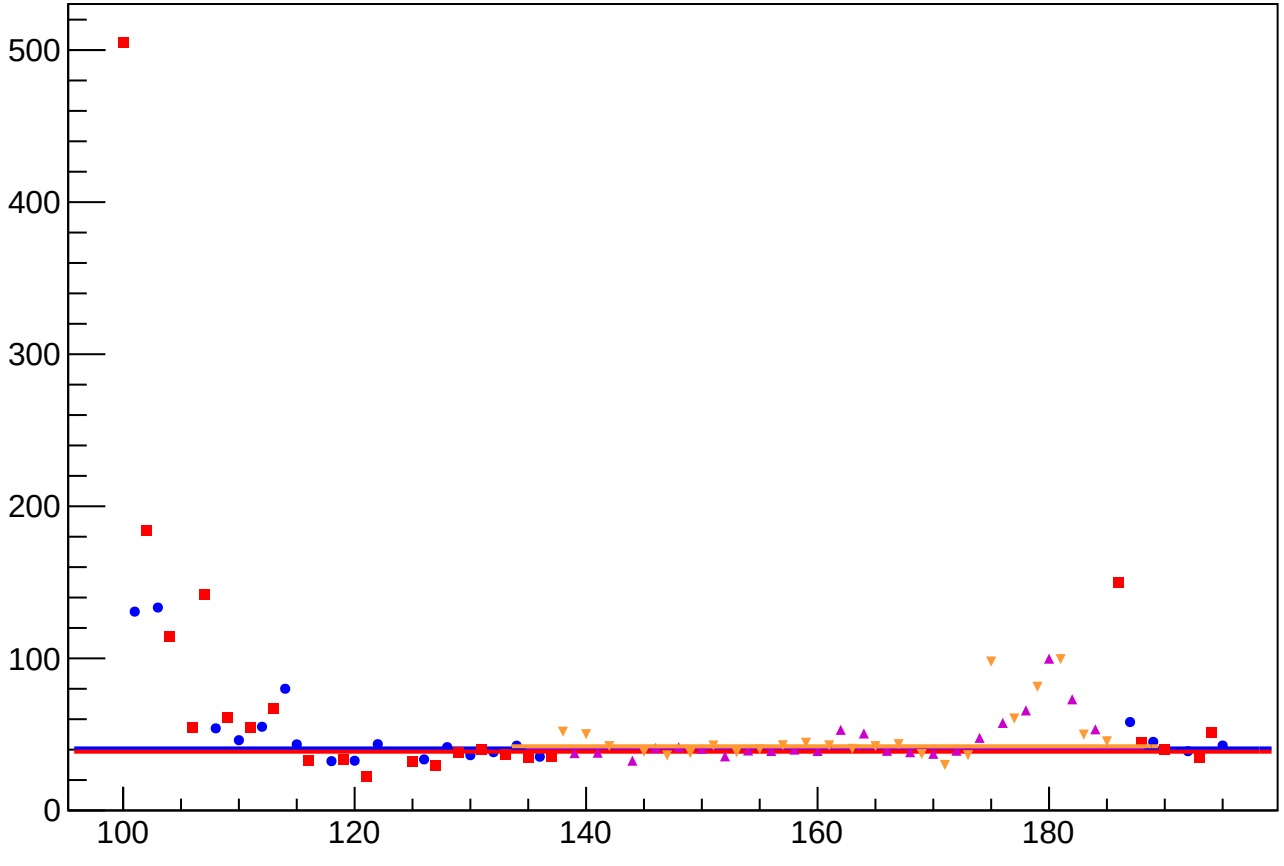
Right: 0.008+/-0.010 χ^2/NDF: 38.4/42

In: 0.009+/-0.009 χ^2/NDF:41.4/42

Out: -0.003+/-0.009 χ^2/NDF:41.1/46

All: 0.003+/-0.006 χ^2/NDF: 83.5/89

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.779+/-0.010 χ^2/NDF: 1455584.0/19

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.640+/-0.010 χ^2/NDF: 2442035.8/22

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

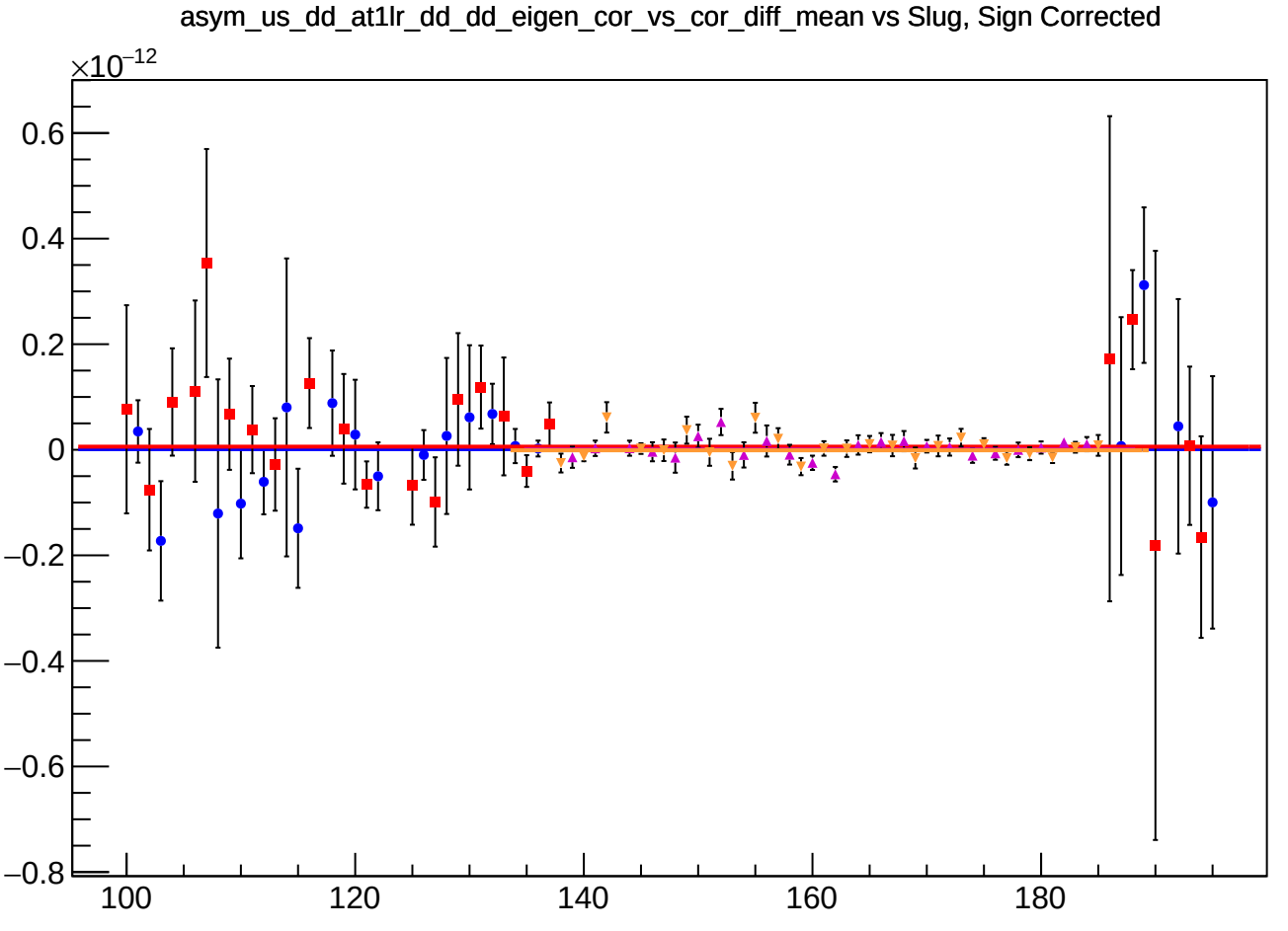
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

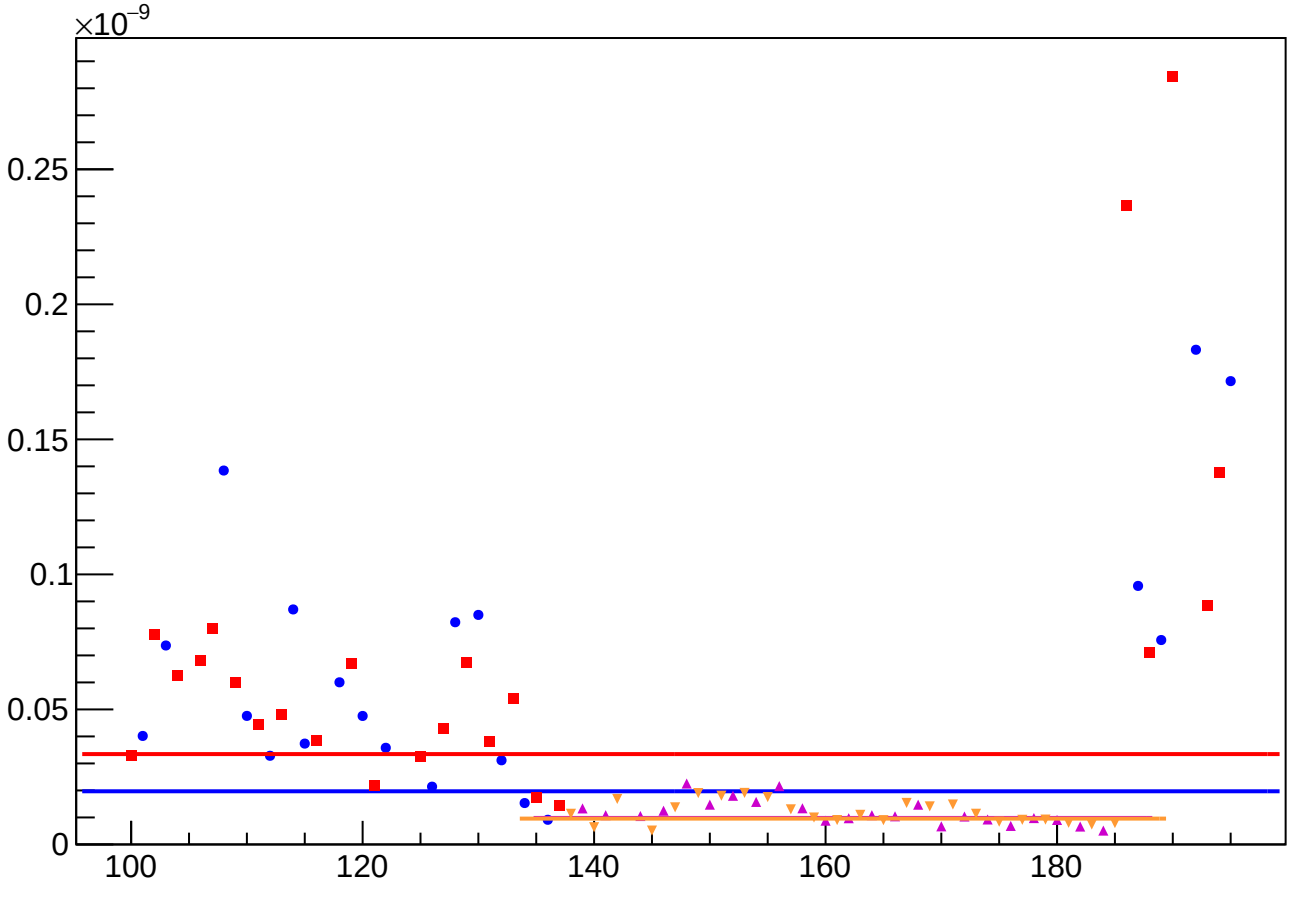
Right: 39.661+/-0.007 χ^2/NDF: 3919684.0/42

In: 41.198+/-0.006 χ^2/NDF:2870174.7/42

Out: 40.867+/-0.006 χ^2/NDF:4341650.7/46

All: 41.031+/-0.004 χ^2/NDF: 7213288.7/89


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 14.6/19
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.1/22
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: 0.000+/-0.000 χ²/NDF: 40.7/42
In: 0.000+/-0.000 χ²/NDF:42.9/42
Out: -0.000+/-0.000 χ²/NDF:55.8/46
All: -0.000+/-0.000 χ²/NDF: 98.8/89



Right In: 0.000+/-0.000 χ^2/NDF: 6255892.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4435565.1/22

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

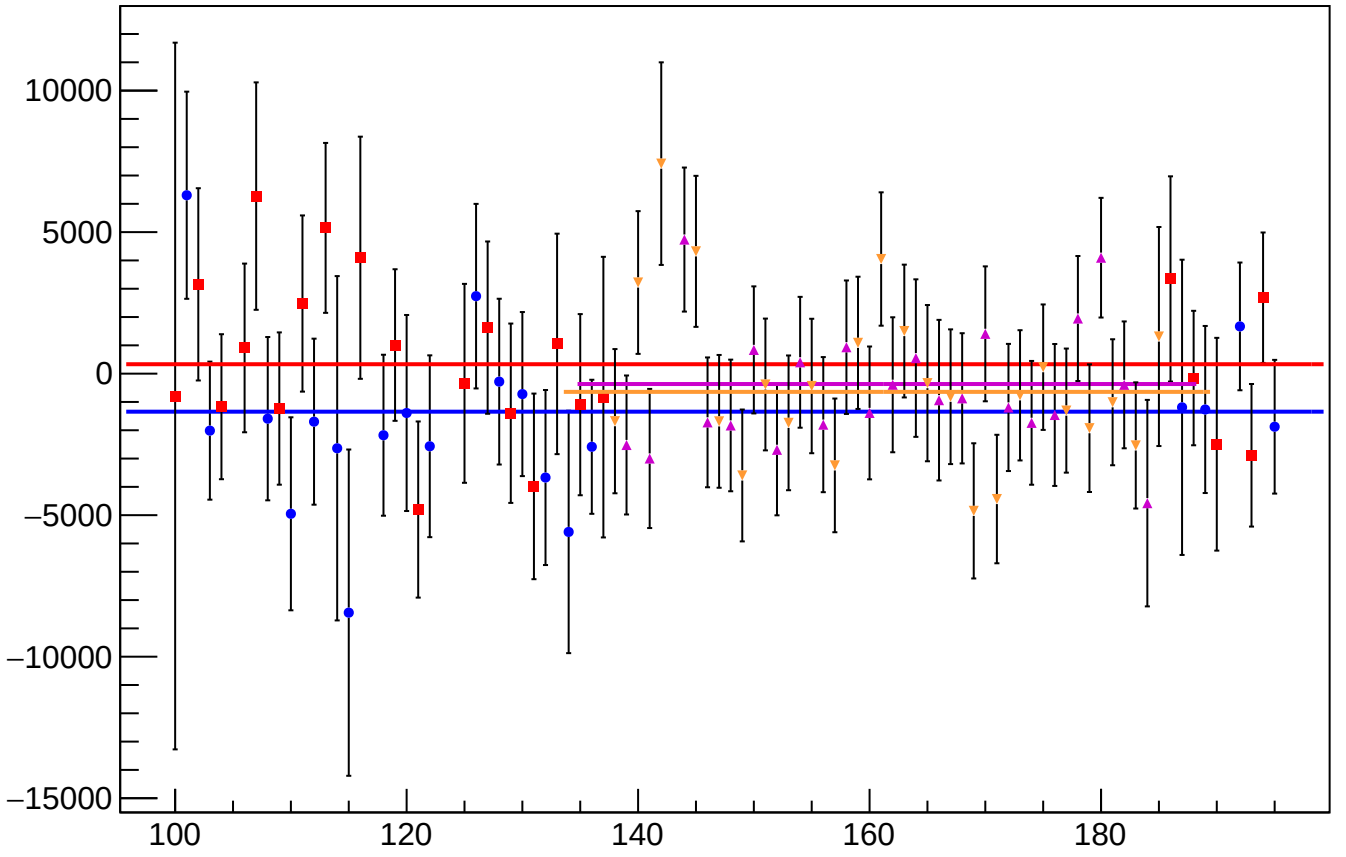
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 11665841.8/42

In: 0.000+/-0.000 χ^2/NDF:9878923.5/42

Out: 0.000+/-0.000 χ^2/NDF:11156082.4/46

All: 0.000+/-0.000 χ^2/NDF: 21036164.8/89



Right In: -1343.626+/-686.678 χ^2/NDF: 12.8/19

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 333.031+/-655.720 χ^2/NDF: 16.7/22

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

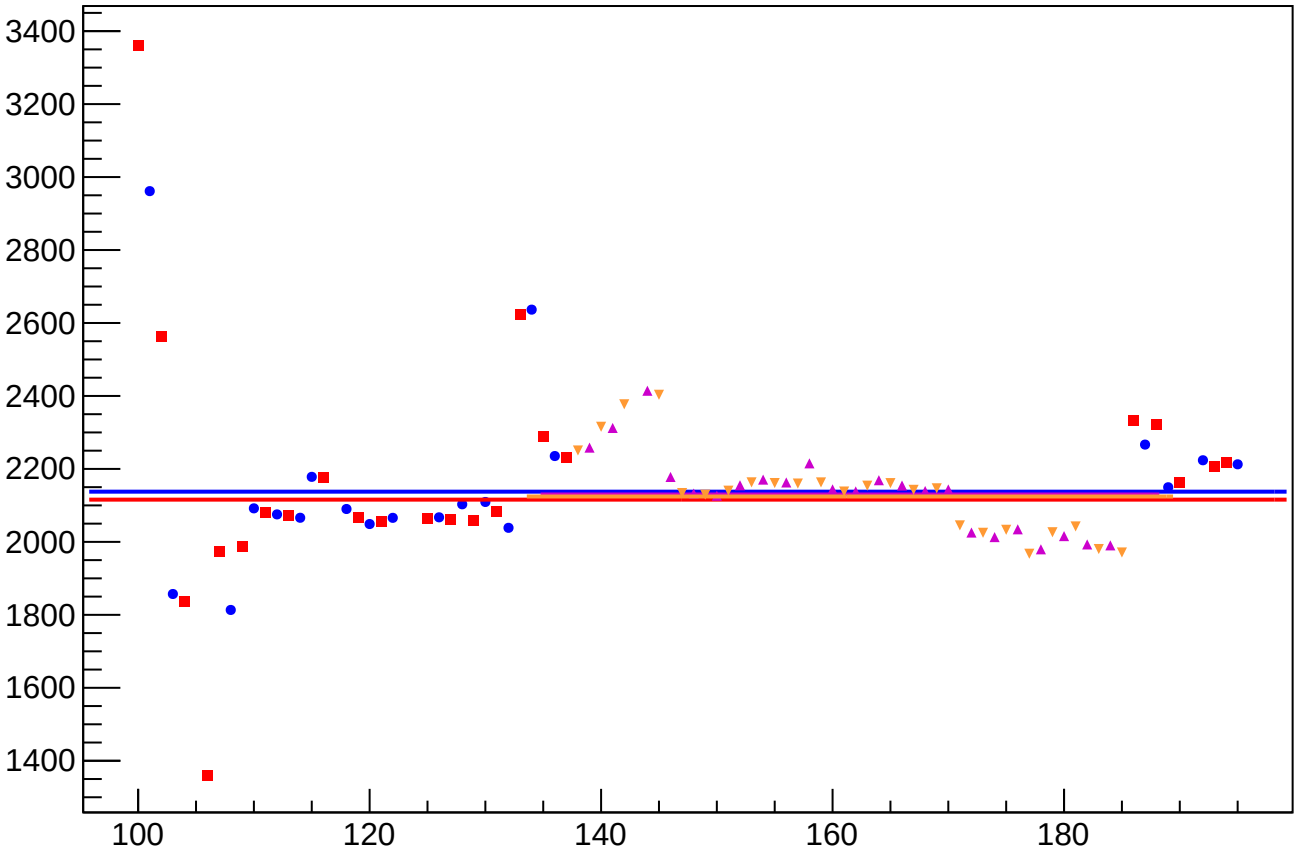
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -466.651+/-474.231 χ^2/NDF: 32.6/42

In: -703.368+/-403.087 χ^2/NDF:31.4/42

Out: -290.418+/-394.398 χ^2/NDF:45.3/46

All: -492.395+/-281.903 χ^2/NDF: 77.2/89



Right In: 2137.650+/-0.486 χ^2/NDF: 197778.4/19

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2115.796+/-0.464 χ^2/NDF: 287972.5/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

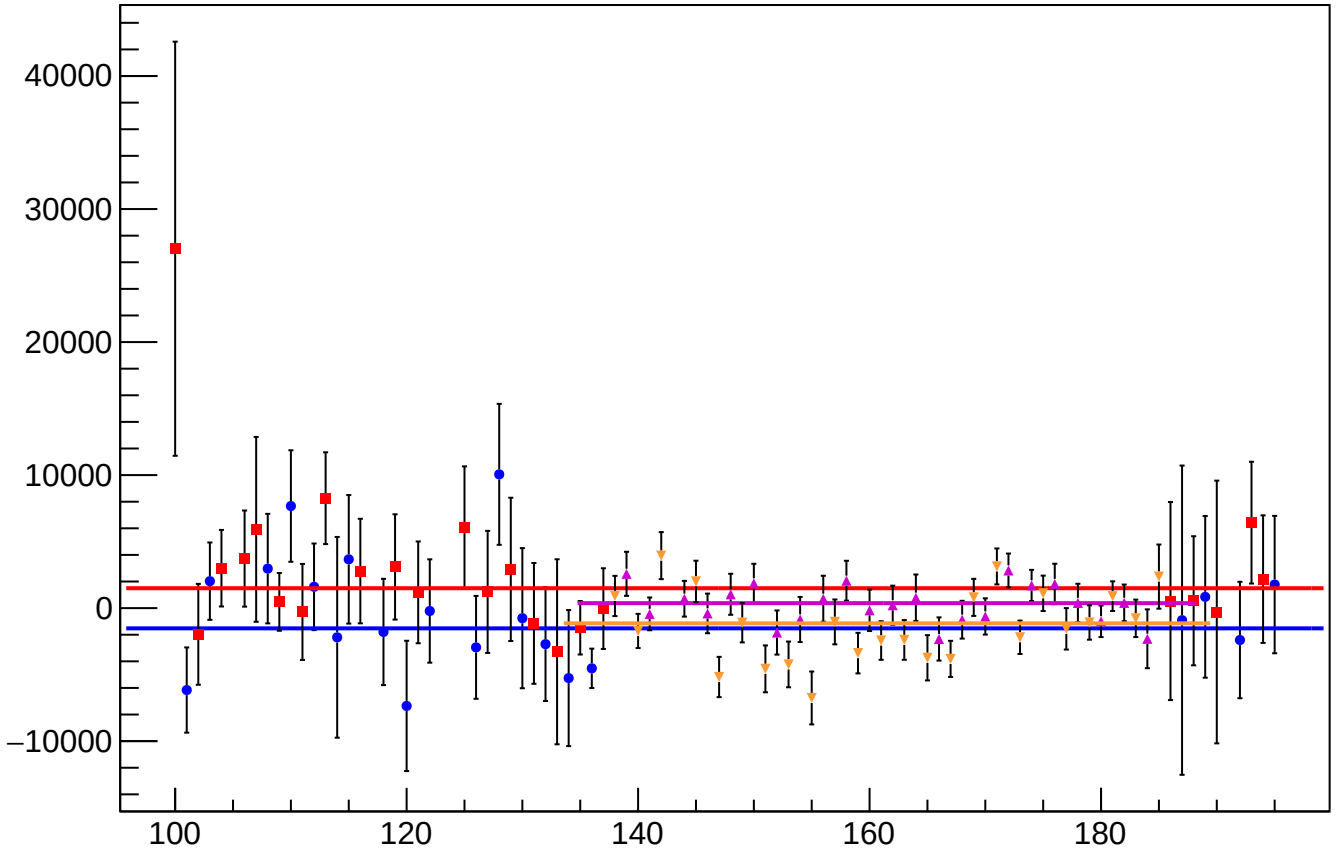
Right: 2126.219+/-0.335 χ^2/NDF: 486810.5/42

In: 2132.568+/-0.285 χ^2/NDF:283300.0/42

Out: 2121.311+/-0.279 χ^2/NDF:377378.2/46

All: 2126.817+/-0.199 χ^2/NDF: 661475.2/89

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1521.578+/-825.154 χ^2/NDF: 23.5/19

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1495.527+/-796.105 χ^2/NDF: 14.8/22

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

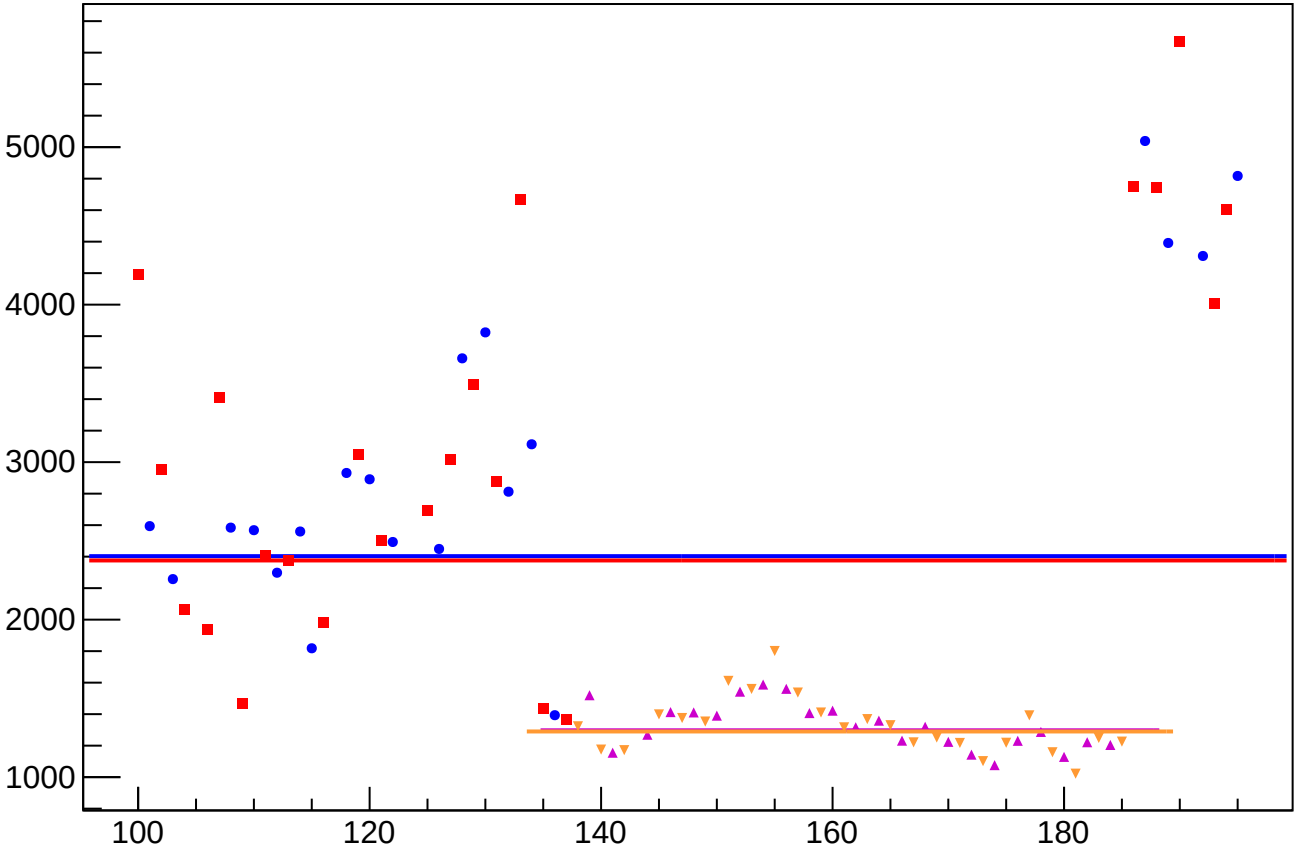
Right: 41.016+/-572.926 χ^2/NDF: 45.1/42

In: 145.037+/-286.394 χ^2/NDF:48.4/42

Out: -811.721+/-282.765 χ^2/NDF:91.9/46

All: -339.443+/-201.216 χ^2/NDF: 145.9/89

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2403.135+/-0.583 χ^2/NDF: 2485749.4/19

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2375.808+/-0.563 χ^2/NDF: 3221310.5/22

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

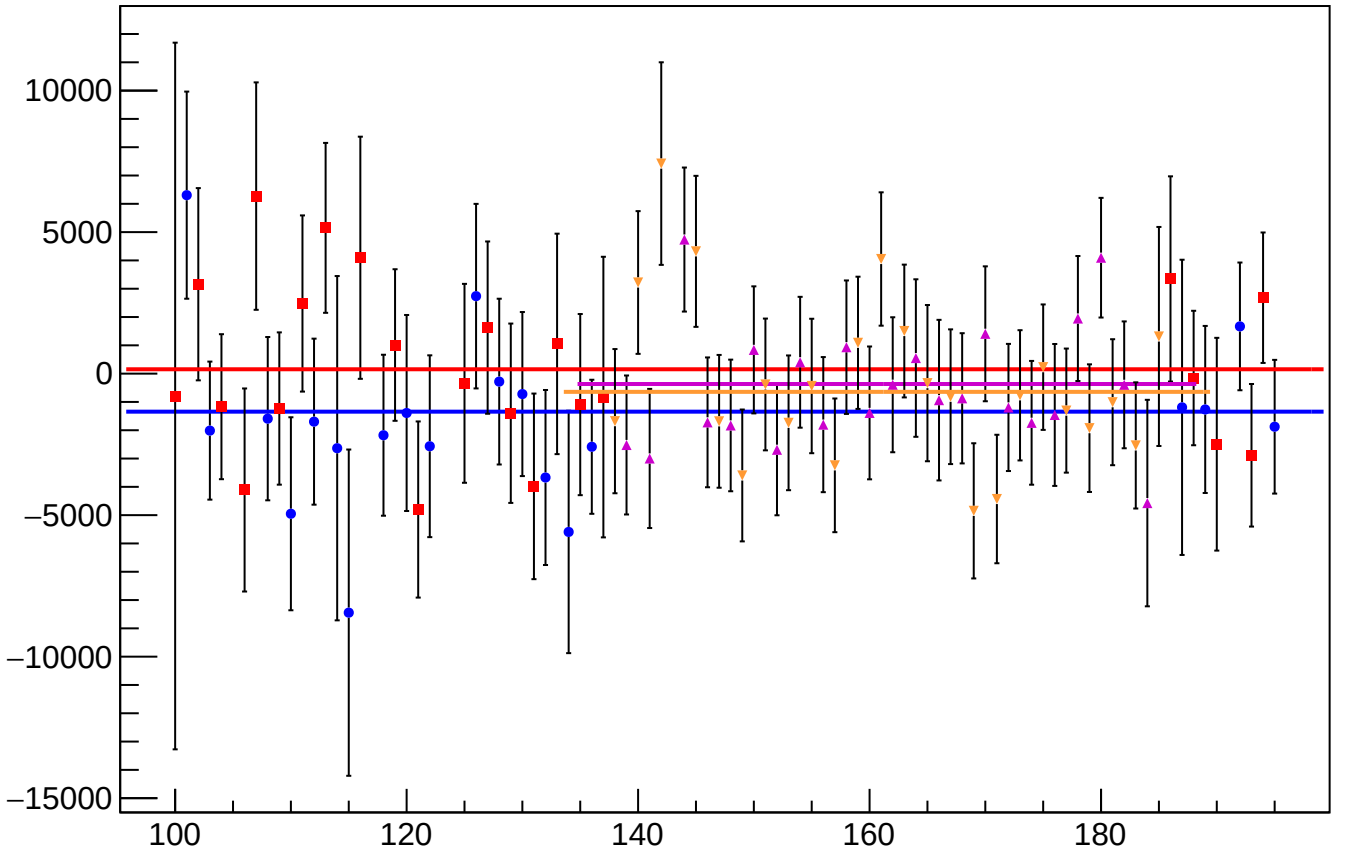
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2388.982+/-0.405 χ^2/NDF: 5708196.0/42

In: 1430.649+/-0.203 χ^2/NDF:6078184.5/42

Out: 1427.007+/-0.200 χ^2/NDF:7040171.0/46

All: 1428.805+/-0.142 χ^2/NDF: 13118519.3/8



Right In: -1343.598+/-686.678 χ^2/NDF: 12.8/19

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 154.265+/-660.696 χ^2/NDF: 18.1/22

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

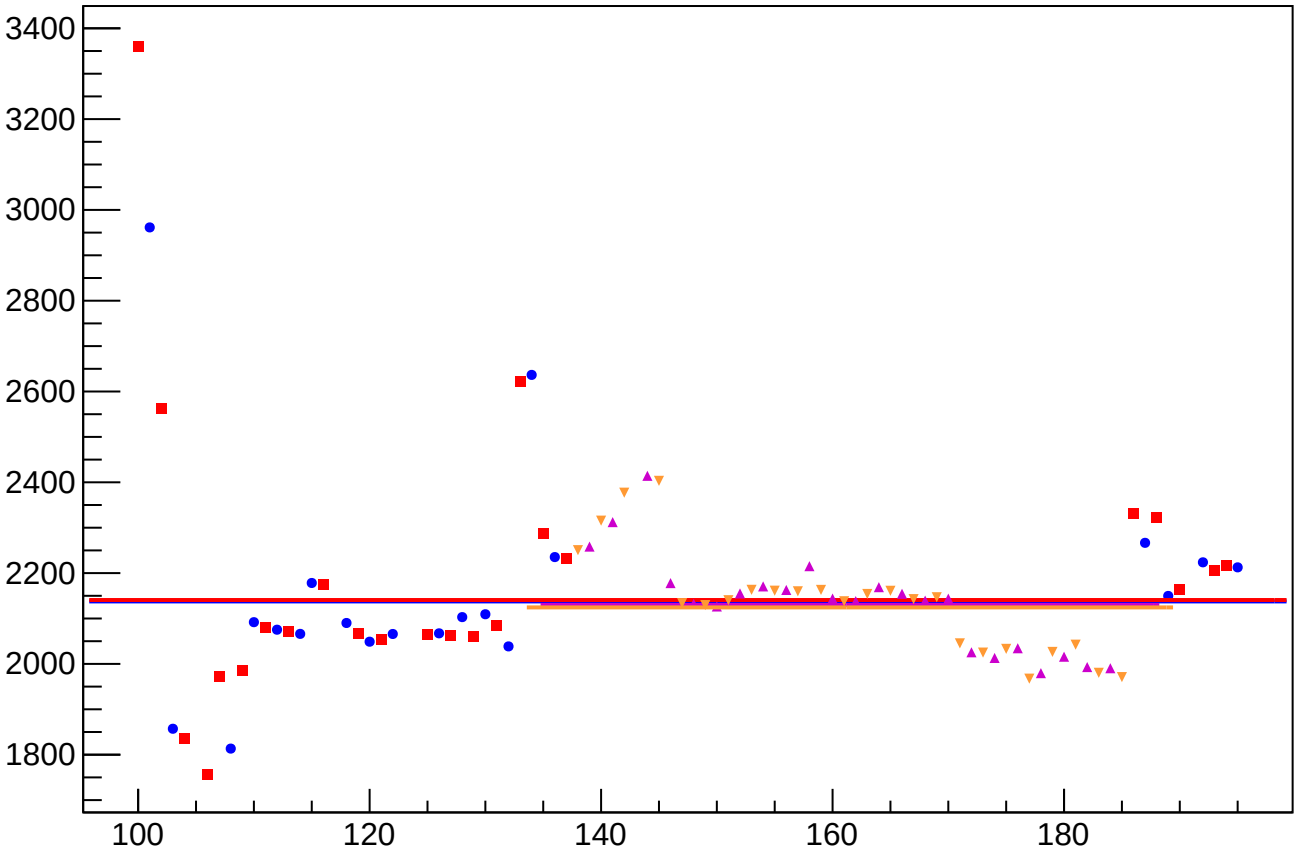
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -565.794+/-476.103 χ^2/NDF: 33.4/42

In: -703.286+/-403.087 χ^2/NDF:31.4/42

Out: -357.783+/-395.473 χ^2/NDF:46.2/46

All: -527.241+/-282.295 χ^2/NDF: 78.0/89



Right In: 2137.650+/-0.486 χ^2/NDF: 197778.8/19

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2140.704+/-0.467 χ^2/NDF: 176885.8/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

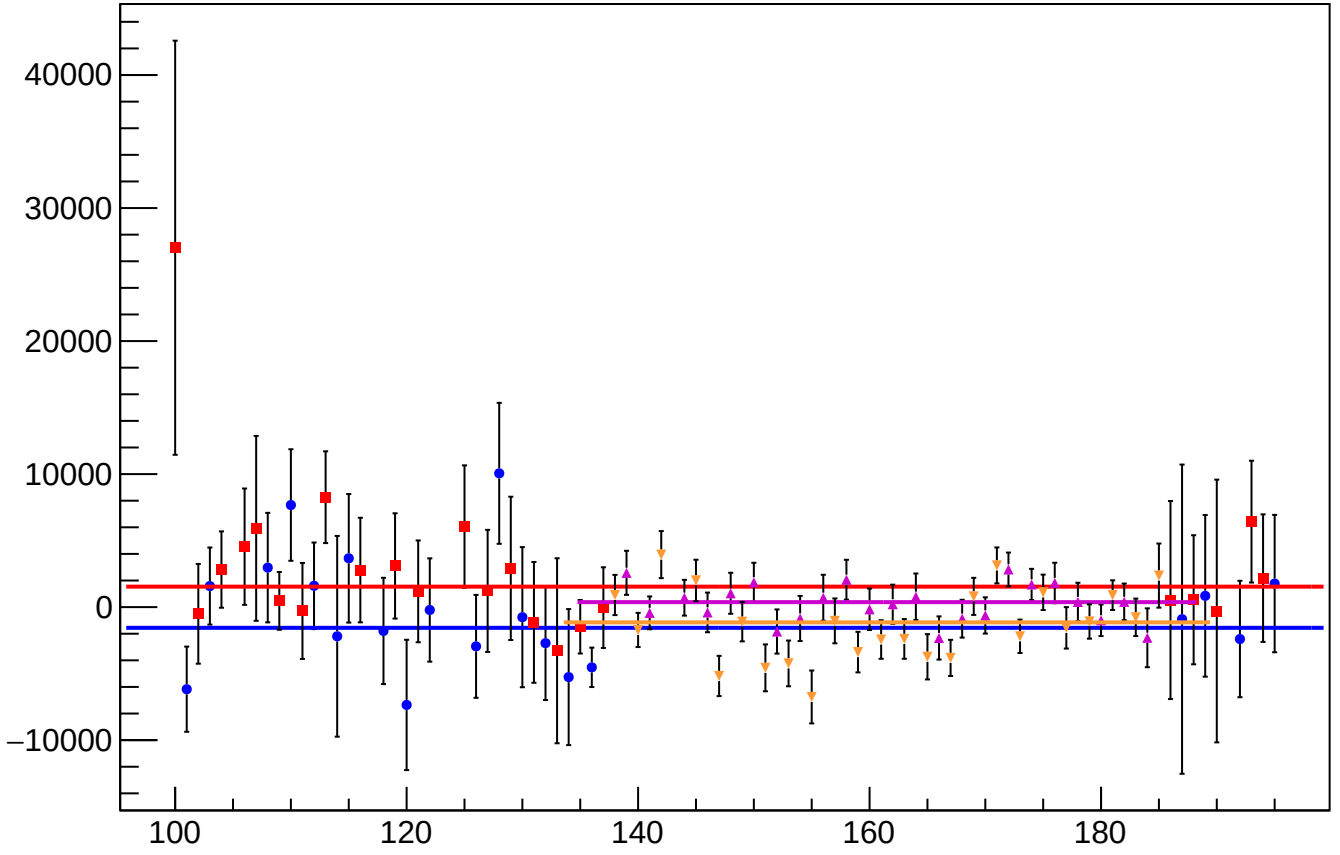
Right: 2139.236+/-0.337 χ^2/NDF: 374685.1/42

In: 2132.568+/-0.285 χ^2/NDF:283300.3/42

Out: 2130.265+/-0.280 χ^2/NDF:266847.7/46

All: 2131.395+/-0.200 χ^2/NDF: 550181.4/89

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1556.446+/-824.899 χ^2/NDF: 23.1/19

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1538.757+/-801.752 χ^2/NDF: 14.2/22

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

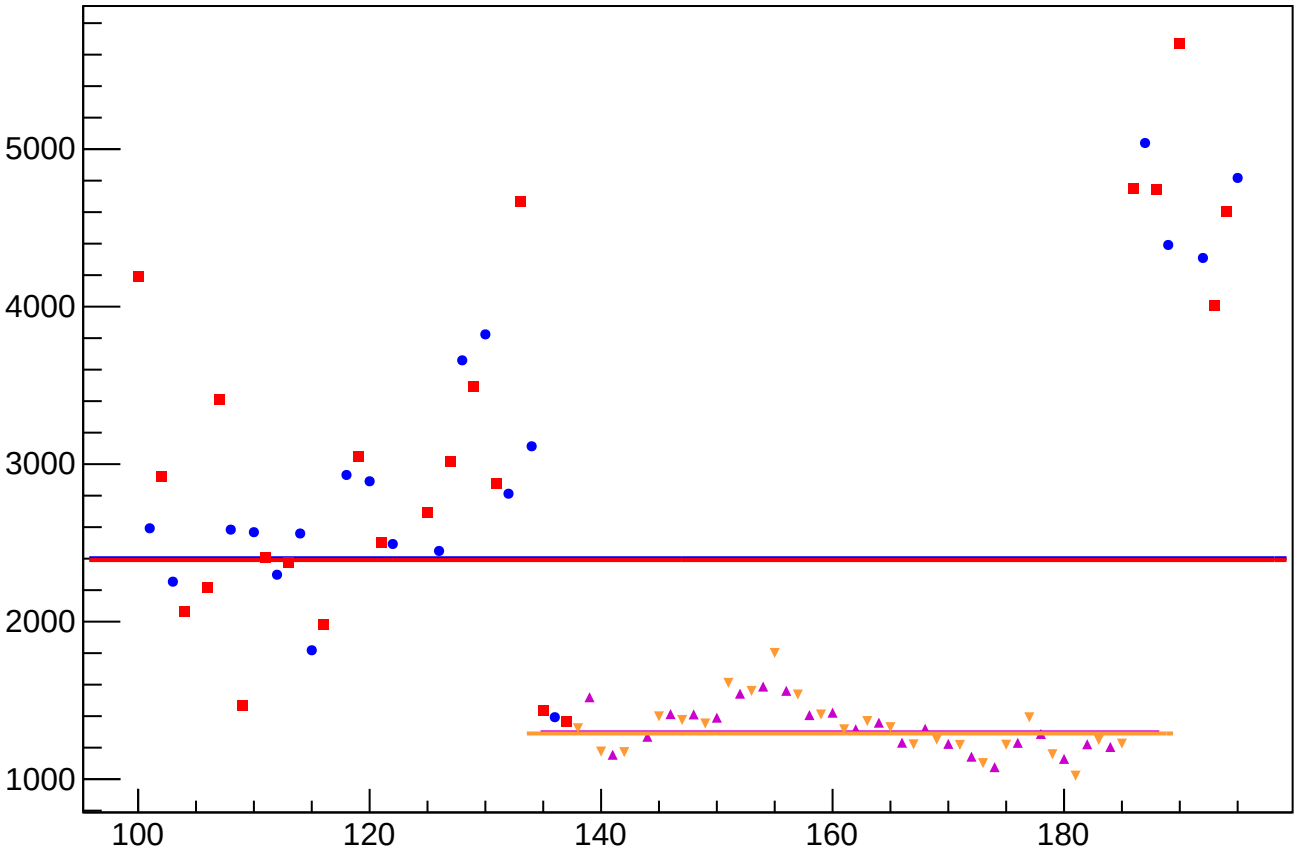
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: 35.191+/-574.933 χ^2/NDF: 44.6/42

In: 140.607+/-286.384 χ^2/NDF:48.3/42

Out: -810.390+/-283.017 χ^2/NDF:91.6/46

All: -340.514+/-201.303 χ^2/NDF: 145.4/89



Right In: 2402.706+/-0.583 χ^2/NDF: 2485926.3/19

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2390.845+/-0.567 χ^2/NDF: 3190861.1/22

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

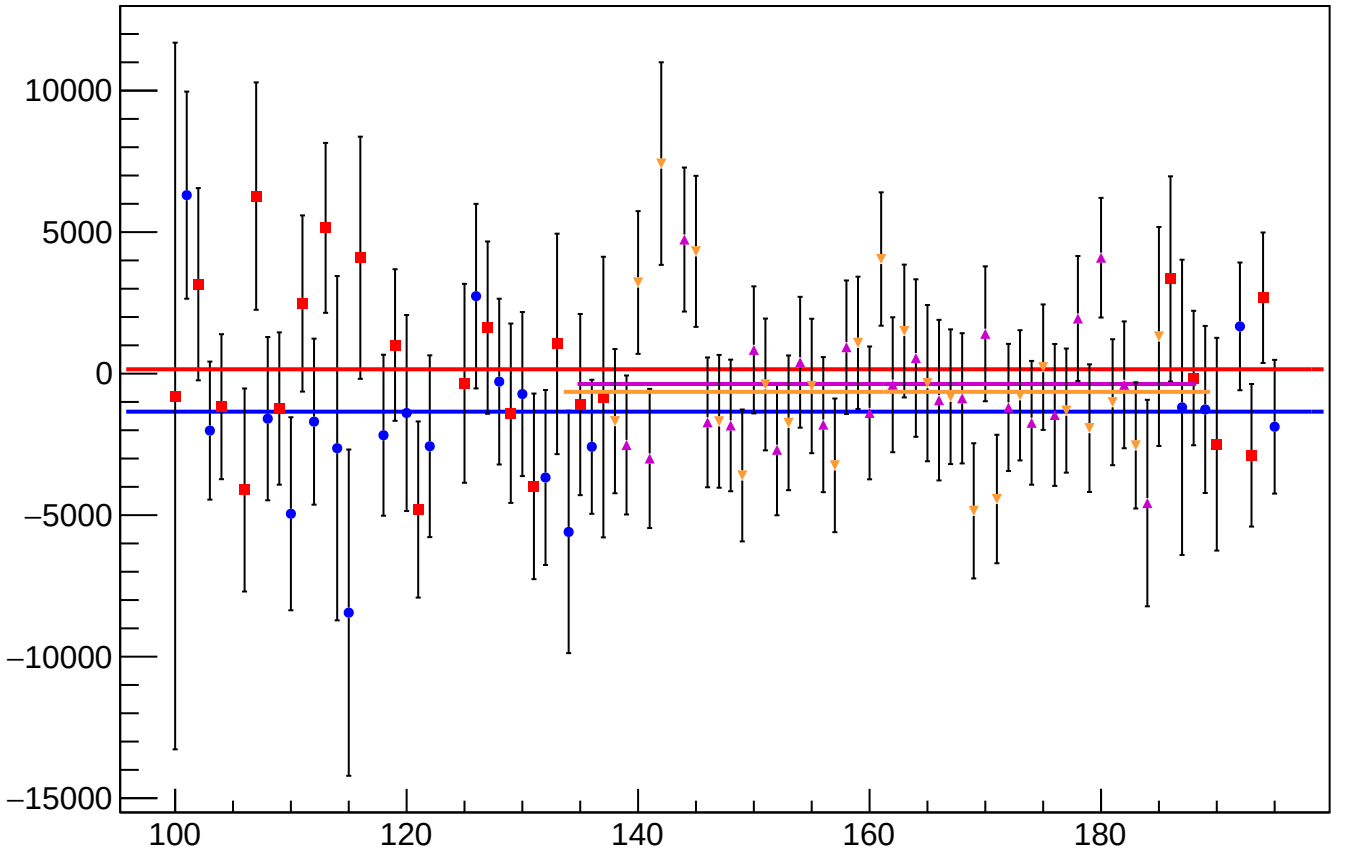
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2396.607+/-0.407 χ^2/NDF: 5677000.0/42

In: 1430.674+/-0.203 χ^2/NDF:6077620.0/42

Out: 1427.210+/-0.200 χ^2/NDF:7059195.9/46

All: 1428.921+/-0.142 χ^2/NDF: 13136963.9/8



Right In: -1343.598+/-686.678 χ^2/NDF: 12.8/19

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 154.265+/-660.696 χ^2/NDF: 18.1/22

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

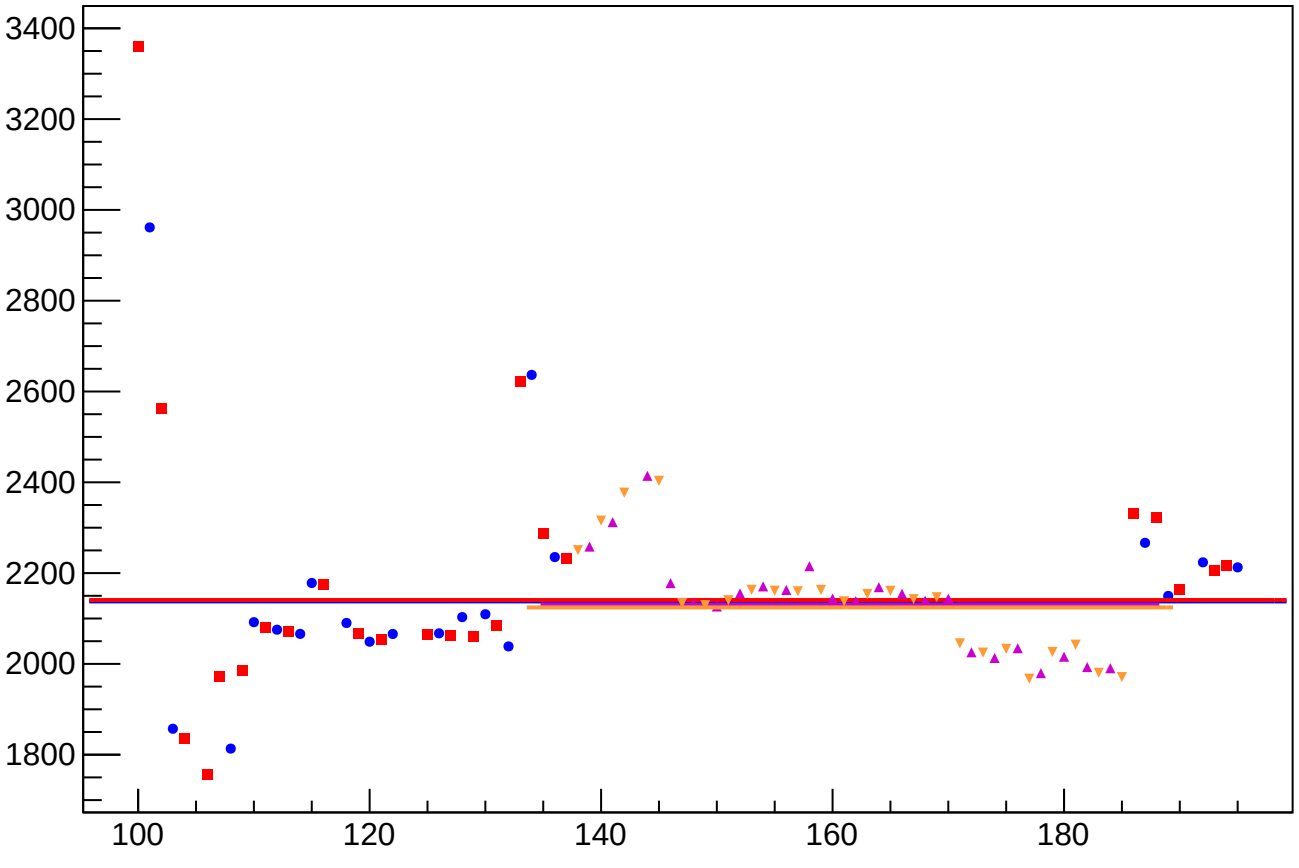
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -565.794+/-476.103 χ^2/NDF: 33.4/42

In: -703.286+/-403.087 χ^2/NDF:31.4/42

Out: -357.783+/-395.473 χ^2/NDF:46.2/46

All: -527.241+/-282.295 χ^2/NDF: 78.0/89



Right In: 2137.650+/-0.486 χ^2/NDF: 197778.8/19

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2140.704+/-0.467 χ^2/NDF: 176885.8/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

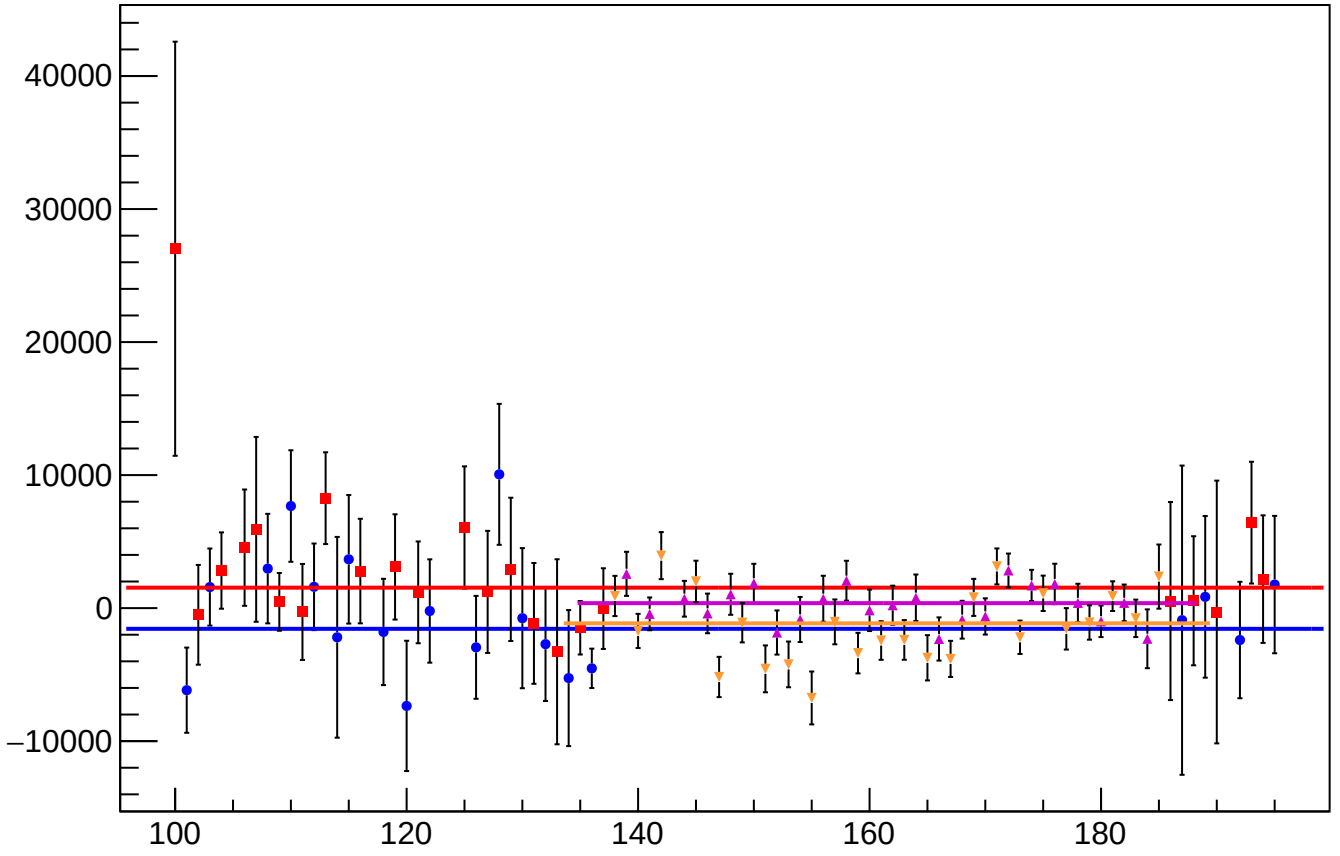
Right: 2139.236+/-0.337 χ^2/NDF: 374685.1/42

In: 2132.568+/-0.285 χ^2/NDF:283300.3/42

Out: 2130.265+/-0.280 χ^2/NDF:266847.7/46

All: 2131.395+/-0.200 χ^2/NDF: 550181.4/89

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1556.446+/-824.899 χ^2/NDF: 23.1/19

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1538.757+/-801.752 χ^2/NDF: 14.2/22

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

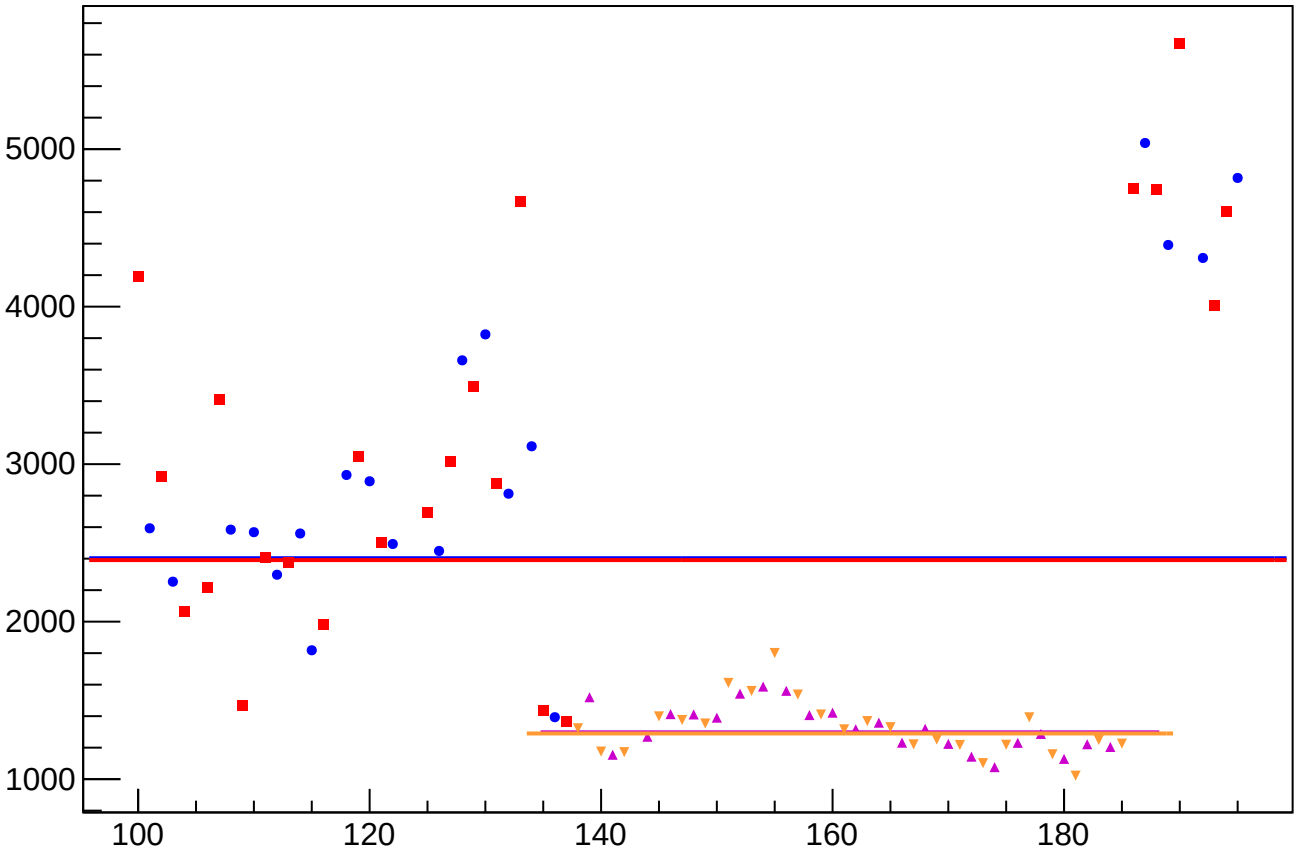
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: 35.191+/-574.933 χ^2/NDF: 44.6/42

In: 140.607+/-286.384 χ^2/NDF:48.3/42

Out: -810.390+/-283.017 χ^2/NDF:91.6/46

All: -340.514+/-201.303 χ^2/NDF: 145.4/89



Right In: 2402.706+/-0.583 χ^2/NDF: 2485926.3/19

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2390.845+/-0.567 χ^2/NDF: 3190861.1/22

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

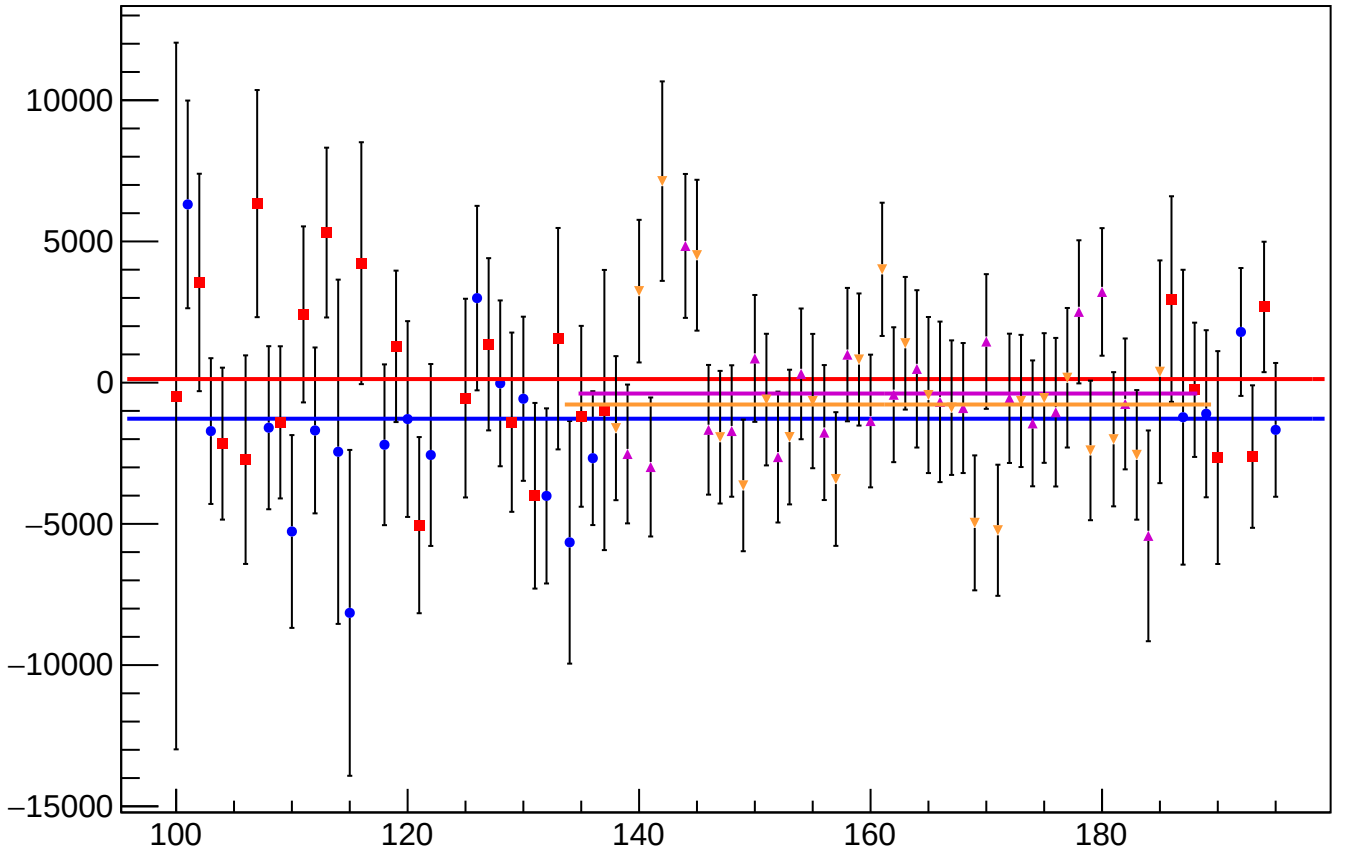
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2396.607+/-0.407 χ^2/NDF: 5677000.0/42

In: 1430.674+/-0.203 χ^2/NDF:6077620.0/42

Out: 1427.210+/-0.200 χ^2/NDF:7059195.9/46

All: 1428.921+/-0.142 χ^2/NDF: 13136963.9/8



Right In: -1276.821+/-690.929 χ^2/NDF: 13.4/19

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 127.213+/-667.243 χ^2/NDF: 18.1/22

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

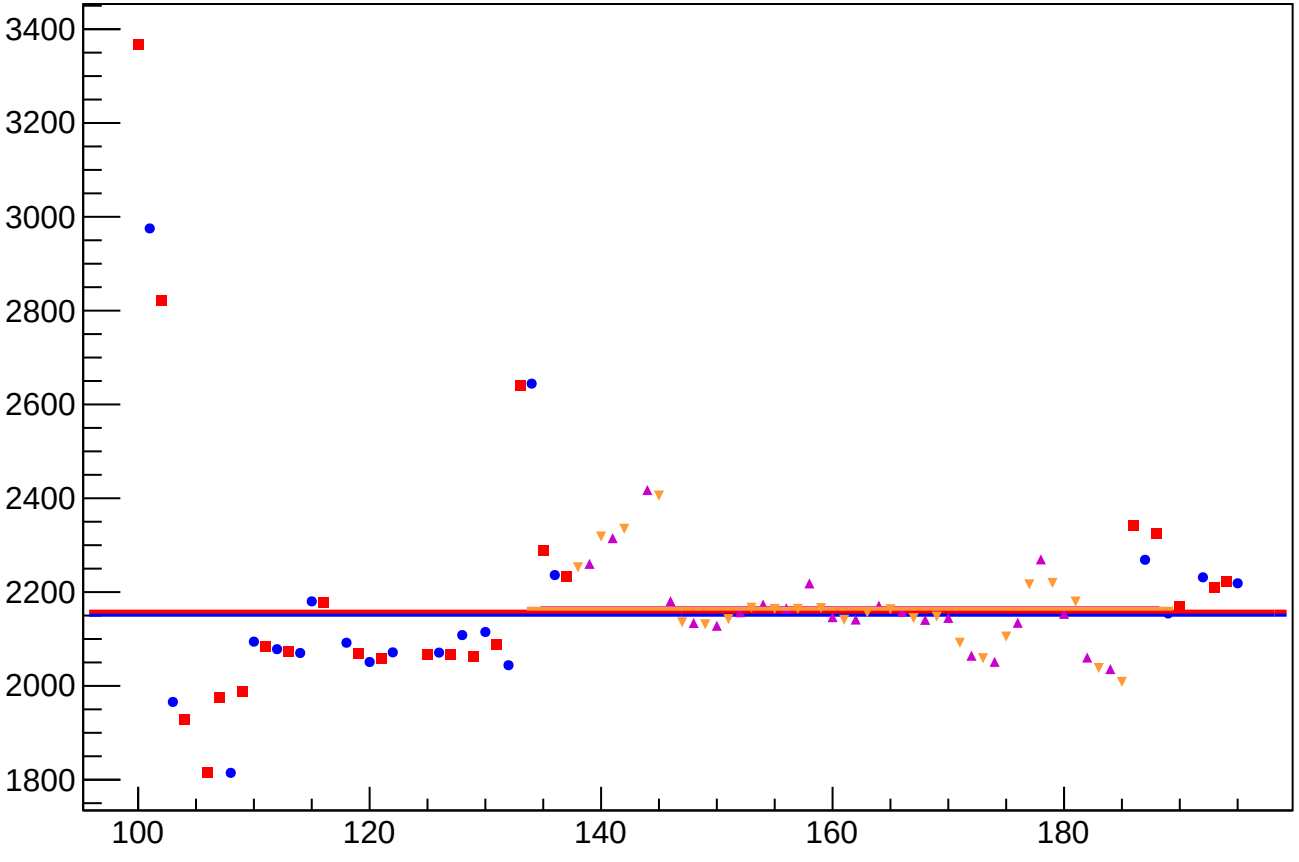
Right: -550.326+/-479.967 χ^2/NDF: 33.7/42

In: -696.551+/-408.260 χ^2/NDF:30.1/42

Out: -447.318+/-401.563 χ^2/NDF:47.9/46

All: -569.874+/-286.286 χ^2/NDF: 78.2/89

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2151.739+/-0.489 χ^2/NDF: 182343.8/19

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2158.371+/-0.472 χ^2/NDF: 186013.7/22

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

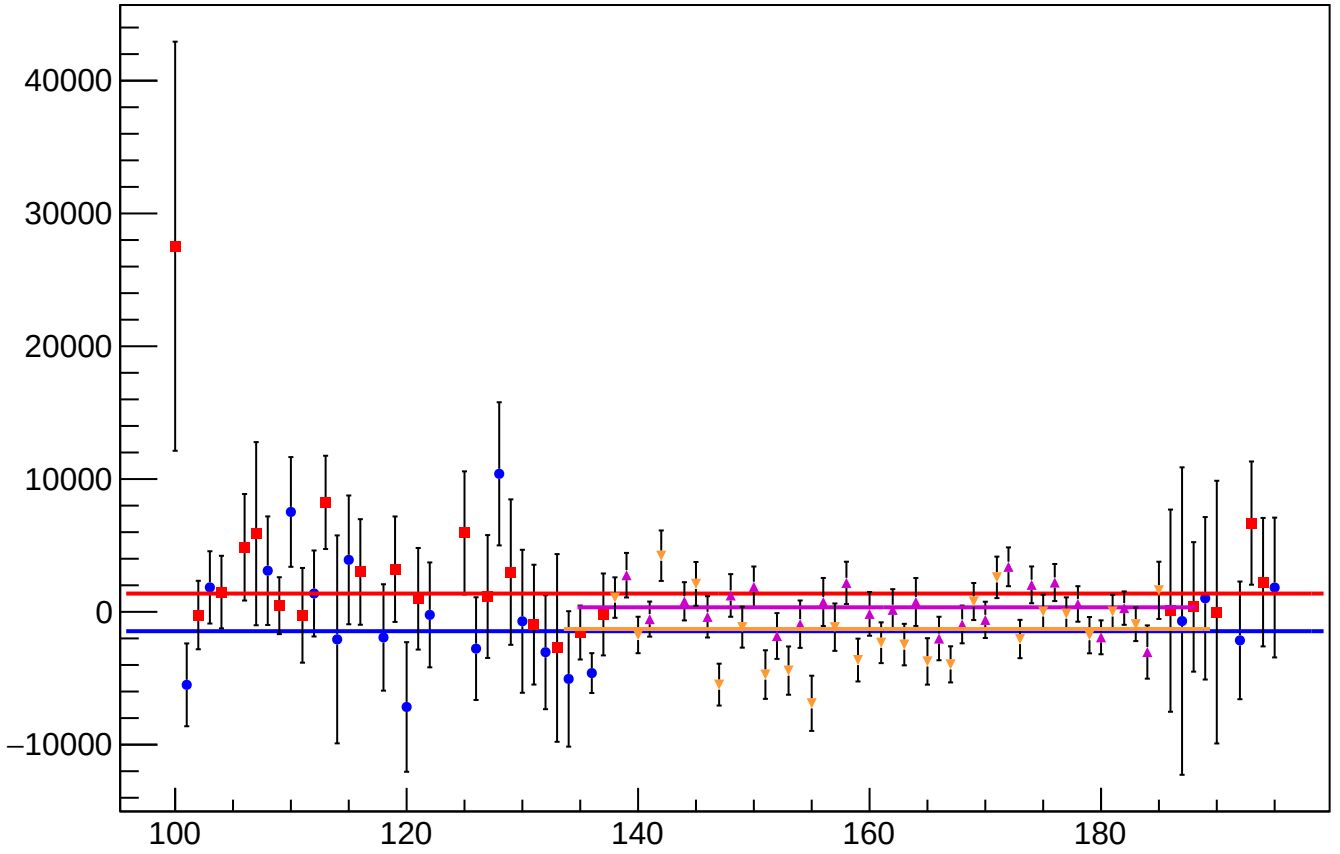
Right: 2155.171+/-0.339 χ^2/NDF: 368452.8/42

In: 2160.789+/-0.289 χ^2/NDF:234995.4/42

Out: 2162.301+/-0.284 χ^2/NDF:236798.7/46

All: 2161.557+/-0.202 χ^2/NDF: 471808.1/89

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1456.230+/-823.652 χ^2/NDF: 23.2/19

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1378.257+/-779.272 χ^2/NDF: 14.5/22

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

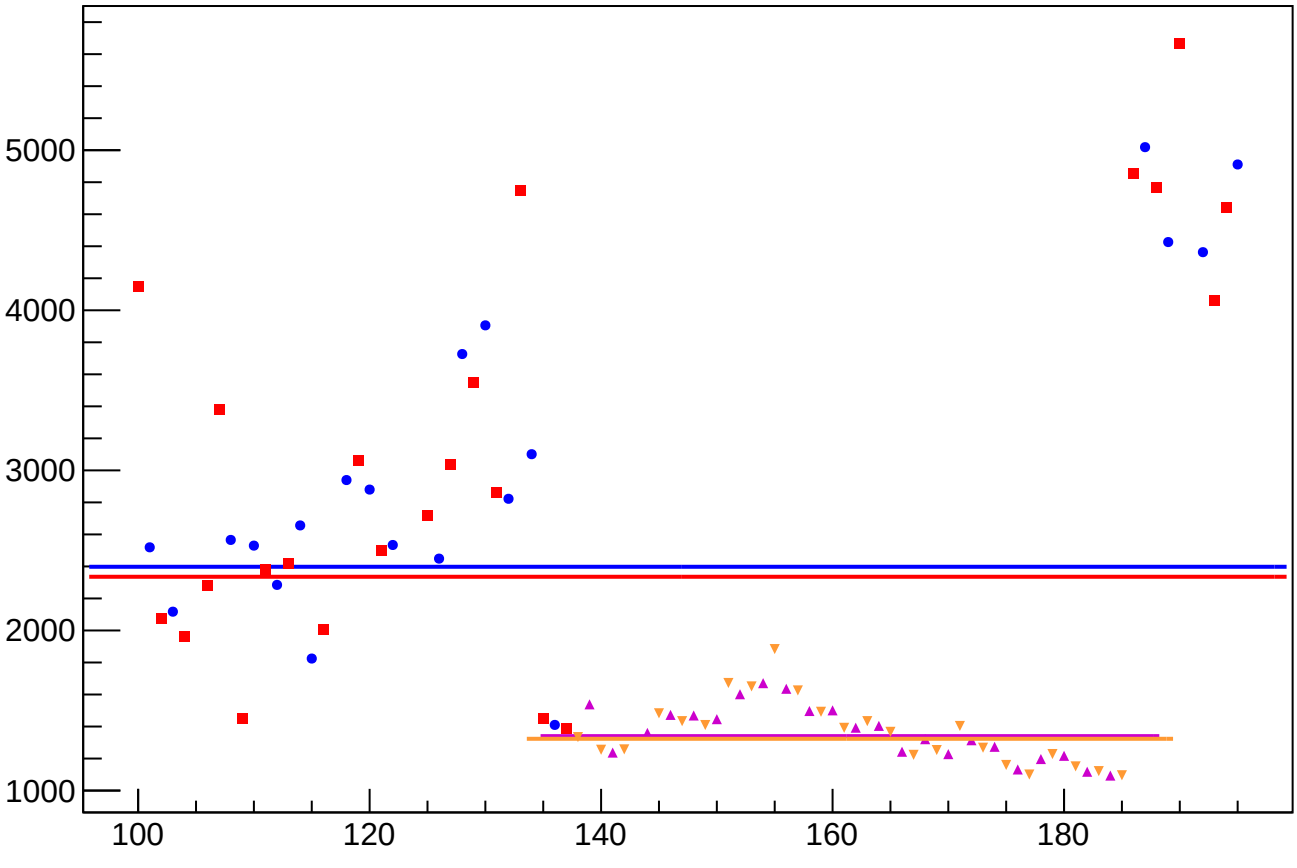
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: 39.432+/-566.068 χ^2/NDF: 44.0/42

In: 111.181+/-294.679 χ^2/NDF:52.1/42

Out: -927.382+/-288.544 χ^2/NDF:83.4/46

All: -419.024+/-206.166 χ^2/NDF: 141.8/89



Right In: 2397.901+/-0.582 χ^2/NDF: 2497875.2/19

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2335.487+/-0.551 χ^2/NDF: 3222930.9/22

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

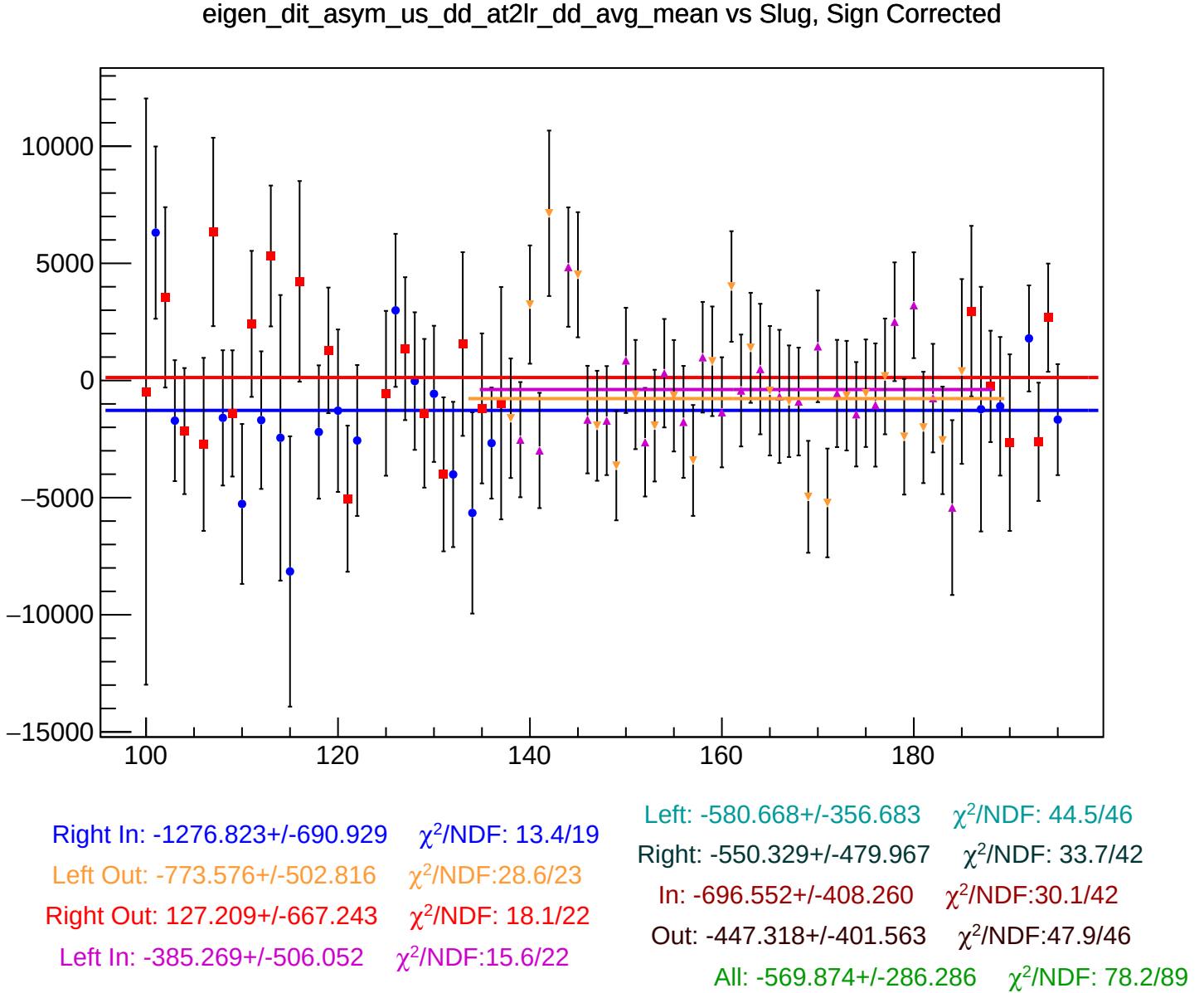
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

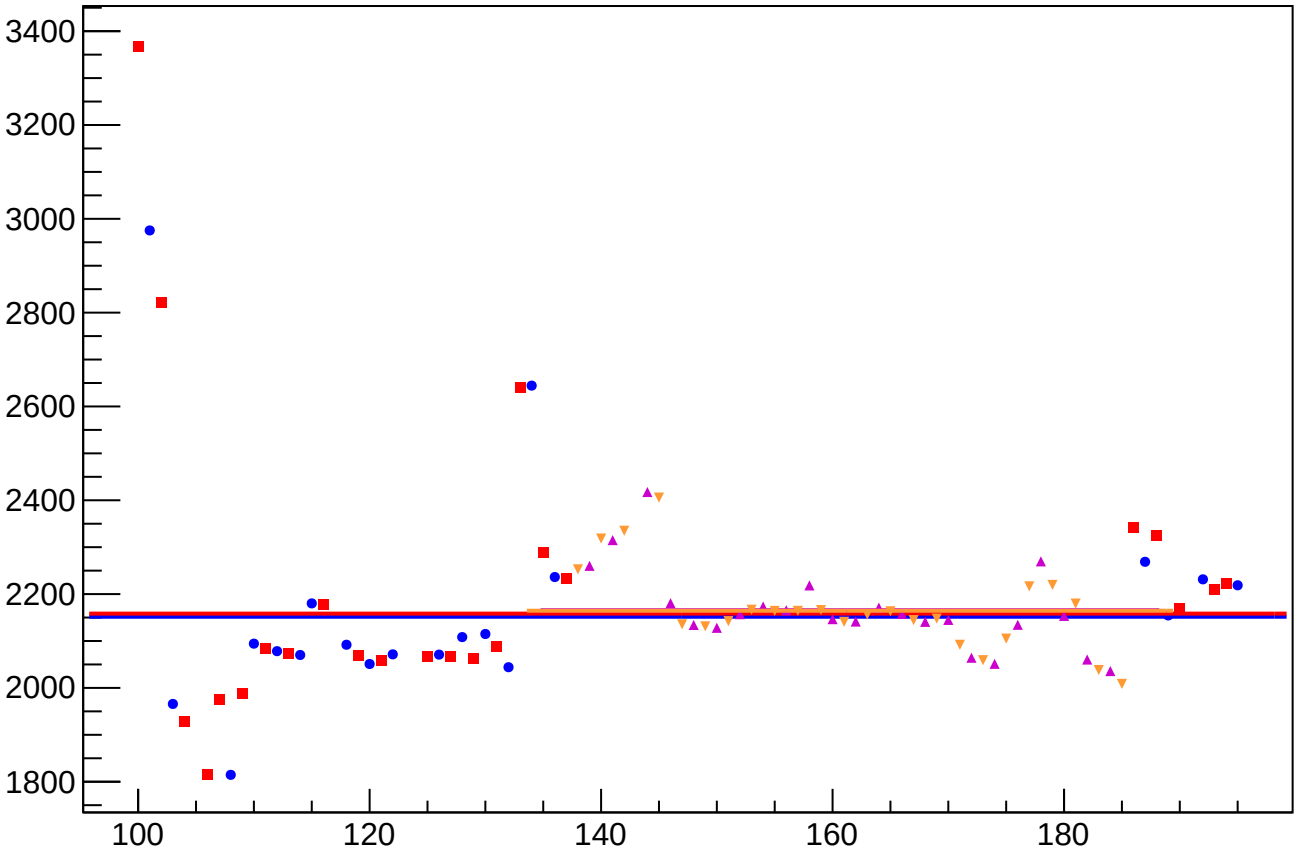
Right: 2364.967+/-0.400 χ^2/NDF: 5726866.1/42

In: 1475.485+/-0.208 χ^2/NDF:5868747.4/42

Out: 1462.162+/-0.204 χ^2/NDF:6797810.1/46

All: 1468.683+/-0.146 χ^2/NDF: 12668644.7/8


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -1276.823+/-690.929 χ²/NDF: 13.4/19
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 127.209+/-667.243 χ²/NDF: 18.1/22
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -550.329+/-479.967 χ²/NDF: 33.7/42
In: -696.552+/-408.260 χ²/NDF:30.1/42
Out: -447.318+/-401.563 χ²/NDF:47.9/46
All: -569.874+/-286.286 χ²/NDF: 78.2/89



Right In: 2151.739+/-0.489 χ^2/NDF: 182343.7/19

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2158.371+/-0.472 χ^2/NDF: 186013.6/22

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

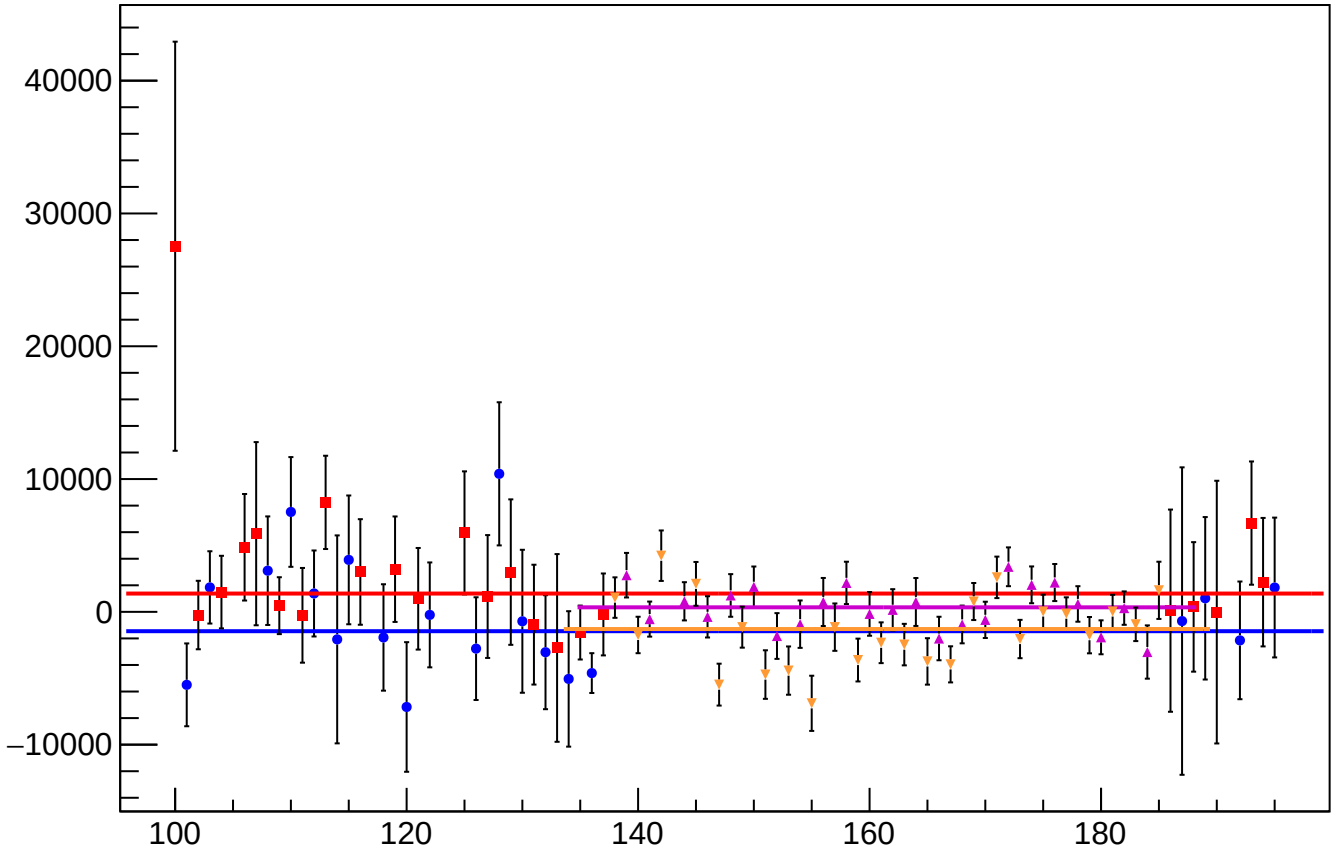
Right: 2155.171+/-0.339 χ^2/NDF: 368452.7/42

In: 2160.788+/-0.289 χ^2/NDF:234995.3/42

Out: 2162.300+/-0.284 χ^2/NDF:236798.7/46

All: 2161.557+/-0.202 χ^2/NDF: 471808.0/89

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1456.217+/-823.654 χ^2/NDF: 23.2/19

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1378.273+/-779.274 χ^2/NDF: 14.5/22

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

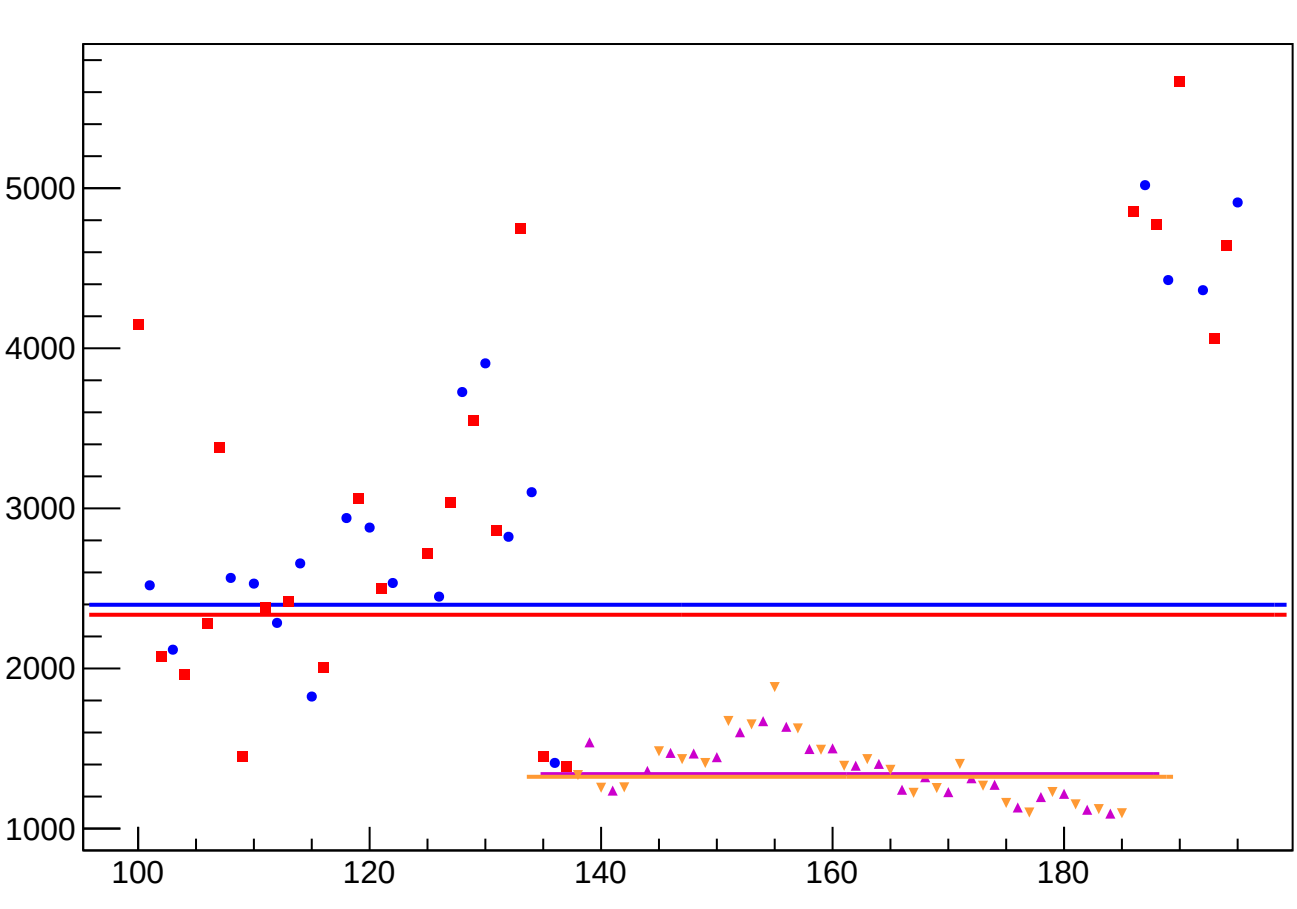
Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

Right: 39.446+/-566.069 χ^2/NDF: 44.0/42

In: 111.181+/-294.678 χ^2/NDF:52.1/42

Out: -927.382+/-288.544 χ^2/NDF:83.4/46

All: -419.023+/-206.166 χ^2/NDF: 141.8/89



Right In: 2397.914+/-0.582 χ^2/NDF: 2497799.3/19

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2335.500+/-0.551 χ^2/NDF: 3222859.9/22

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

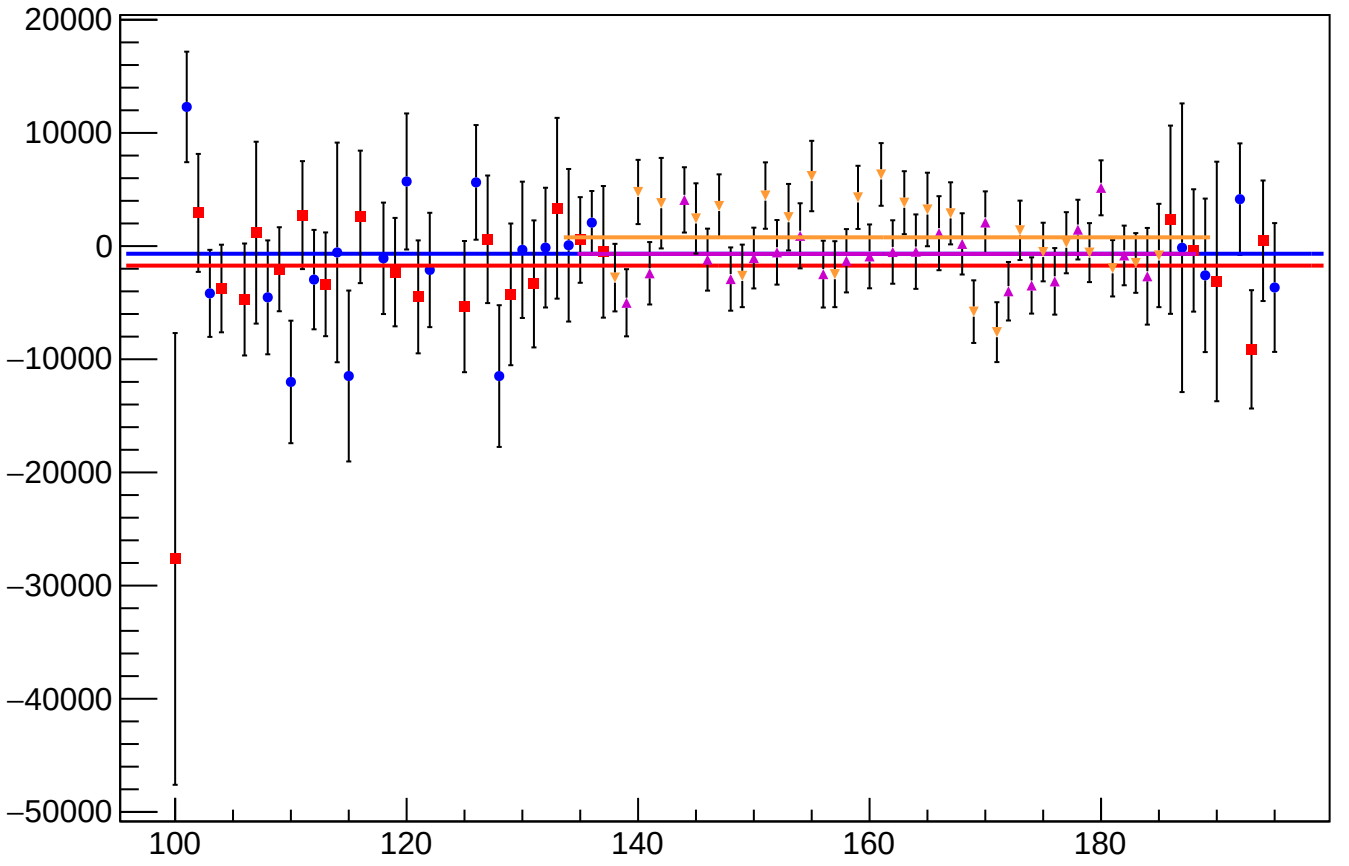
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2364.980+/-0.400 χ^2/NDF: 5726719.1/42

In: 1475.484+/-0.208 χ^2/NDF:5868741.6/42

Out: 1462.162+/-0.204 χ^2/NDF:6797794.4/46

All: 1468.683+/-0.146 χ^2/NDF: 12668622.7/8



Right In: -676.372+/-1155.851 χ^2/NDF: 23.2/19

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1725.167+/-1116.334 χ^2/NDF: 9.2/22

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

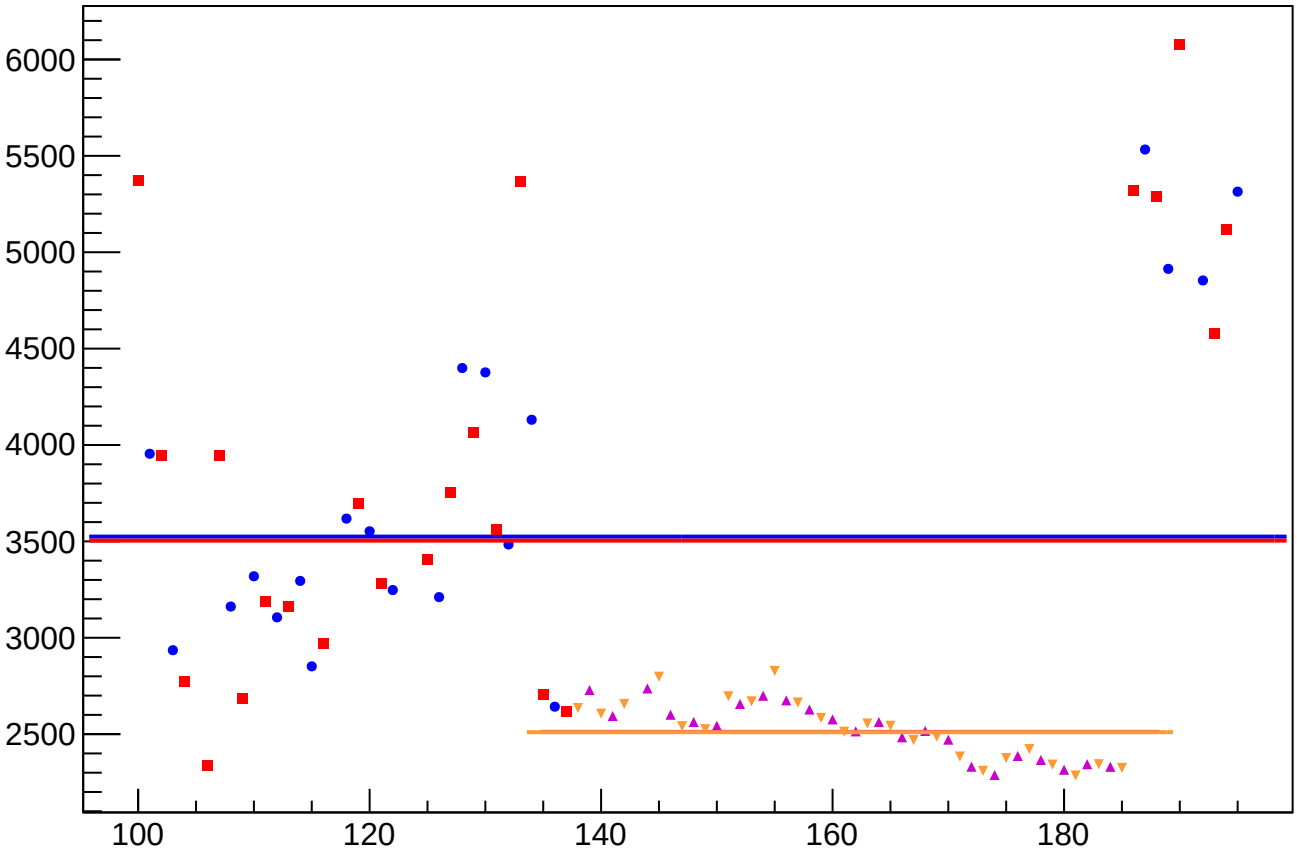
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -1219.004+/-802.974 χ^2/NDF: 32.9/42

In: -687.187+/-523.680 χ^2/NDF:41.5/42

Out: 238.064+/-517.254 χ^2/NDF:52.5/46

All: -218.850+/-368.005 χ^2/NDF: 95.6/89



Right In: 3524.826+/-0.817 χ^2/NDF: 895923.5/19

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3504.045+/-0.789 χ^2/NDF: 1325886.3/22

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

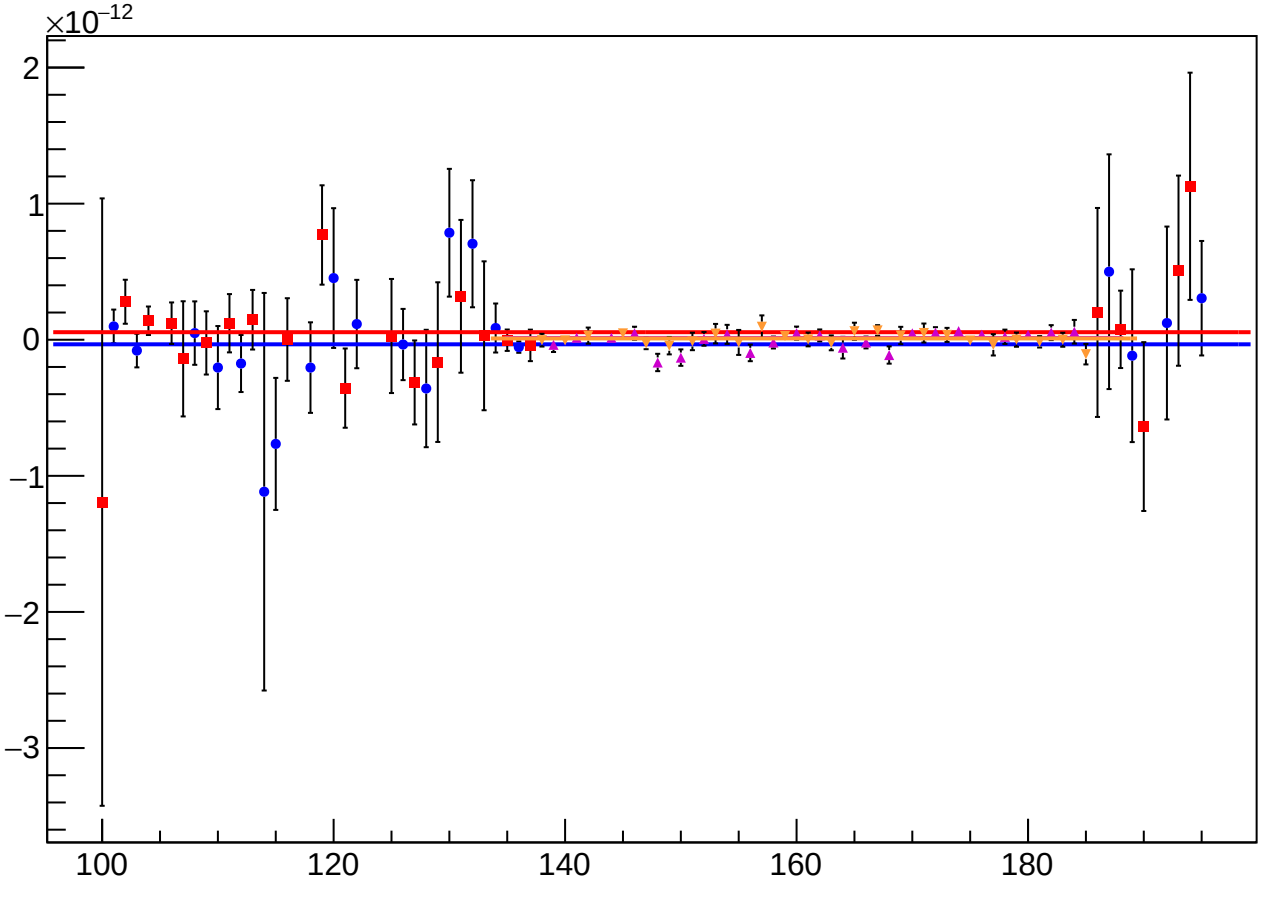
Right: 3514.074+/-0.568 χ^2/NDF: 2222144.2/42

In: 2719.597+/-0.370 χ^2/NDF:2230781.1/42

Out: 2723.473+/-0.366 χ^2/NDF:2699725.6/46

All: 2721.559+/-0.260 χ^2/NDF: 4930562.2/89

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/22

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

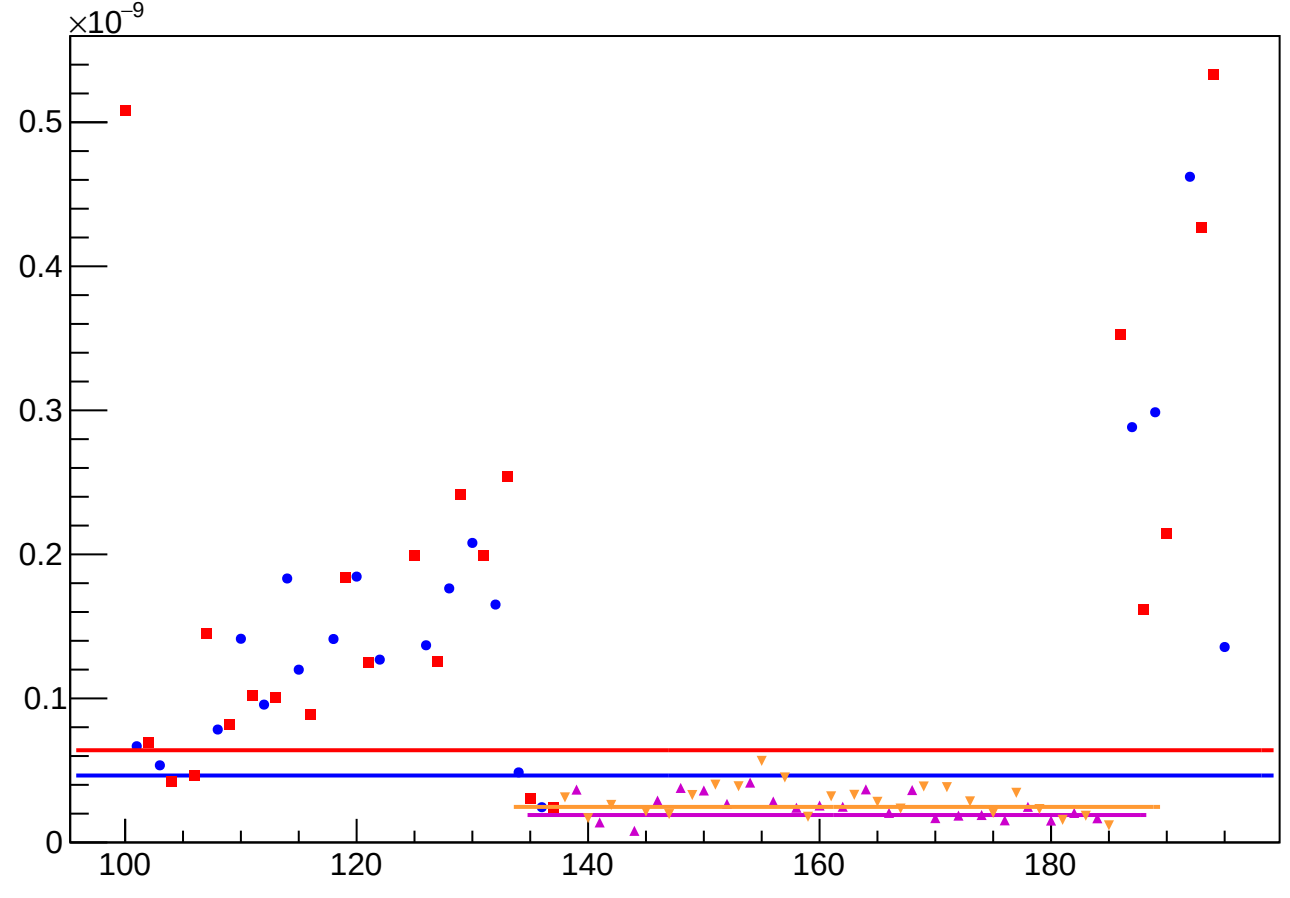
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 32.9/42

In: 0.000+/-0.000 χ^2/NDF:47.0/42

Out: 0.000+/-0.000 χ^2/NDF:29.2/46

All: 0.000+/-0.000 χ^2/NDF: 76.2/89



Right In: 0.000+/-0.000 χ^2/NDF: 3491120.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3940512.2/22

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

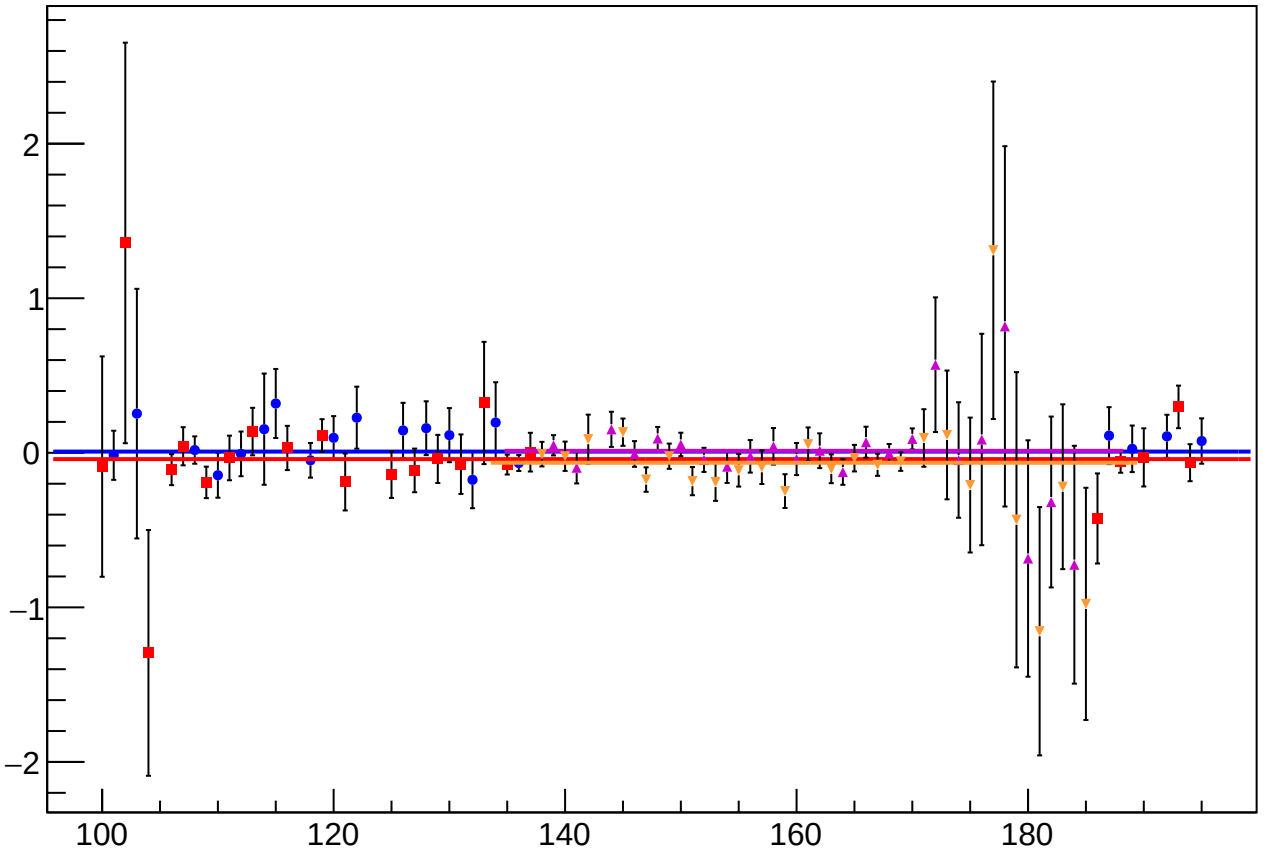
Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

Right: 0.000+/-0.000 χ^2/NDF: 7638584.3/42

In: 0.000+/-0.000 χ^2/NDF:6897577.5/42

Out: 0.000+/-0.000 χ^2/NDF:6974810.3/46

All: 0.000+/-0.000 χ^2/NDF: 14326278.5/89



Right In: 0.008+/-0.030 χ^2/NDF: 11.5/19

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.027 χ^2/NDF: 20.9/22

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

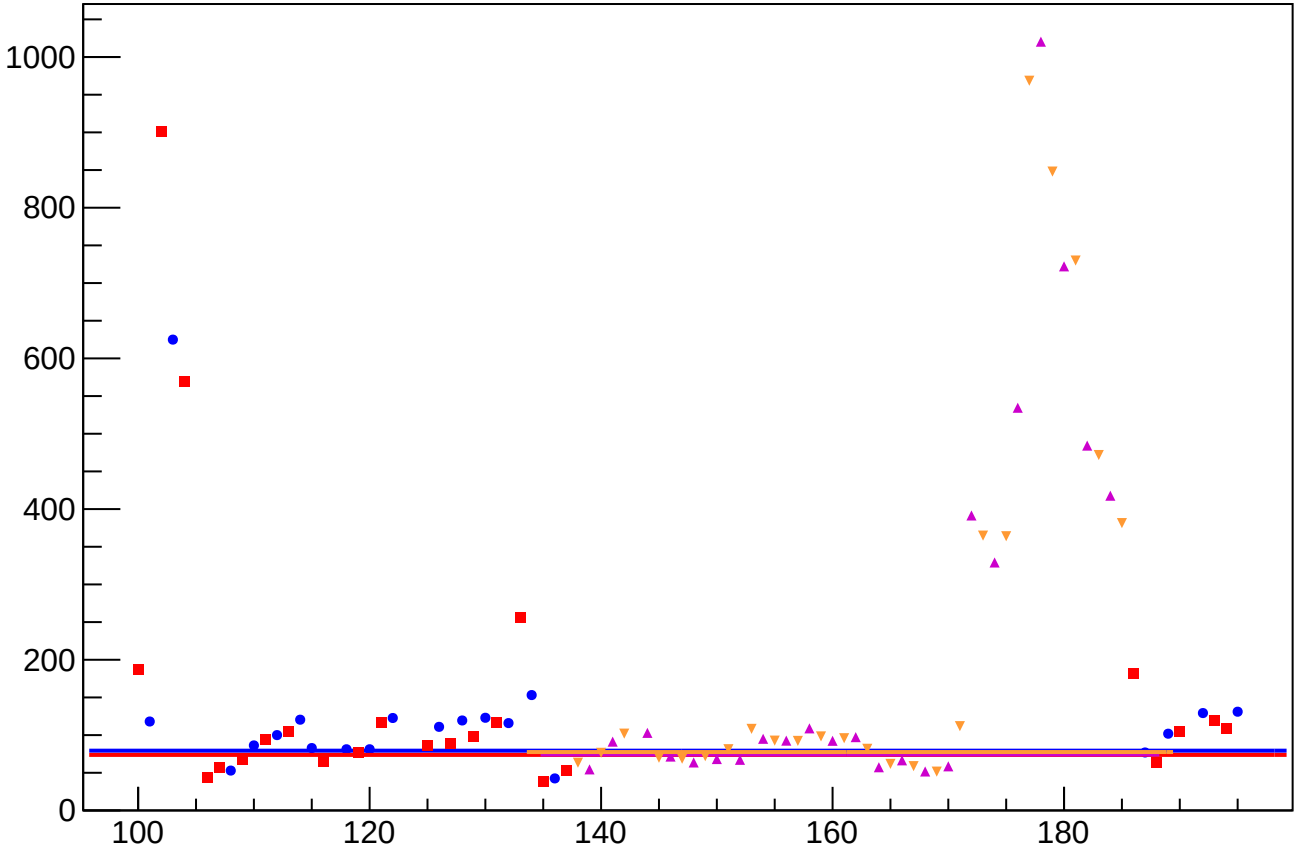
Right: -0.019+/-0.020 χ^2/NDF: 33.9/42

In: 0.011+/-0.017 χ^2/NDF:26.6/42

Out: -0.055+/-0.017 χ^2/NDF:43.7/46

All: -0.022+/-0.012 χ^2/NDF: 77.7/89

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.349+/-0.021 χ^2/NDF: 3476033.5/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 73.728+/-0.019 χ^2/NDF: 4144216.3/22

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

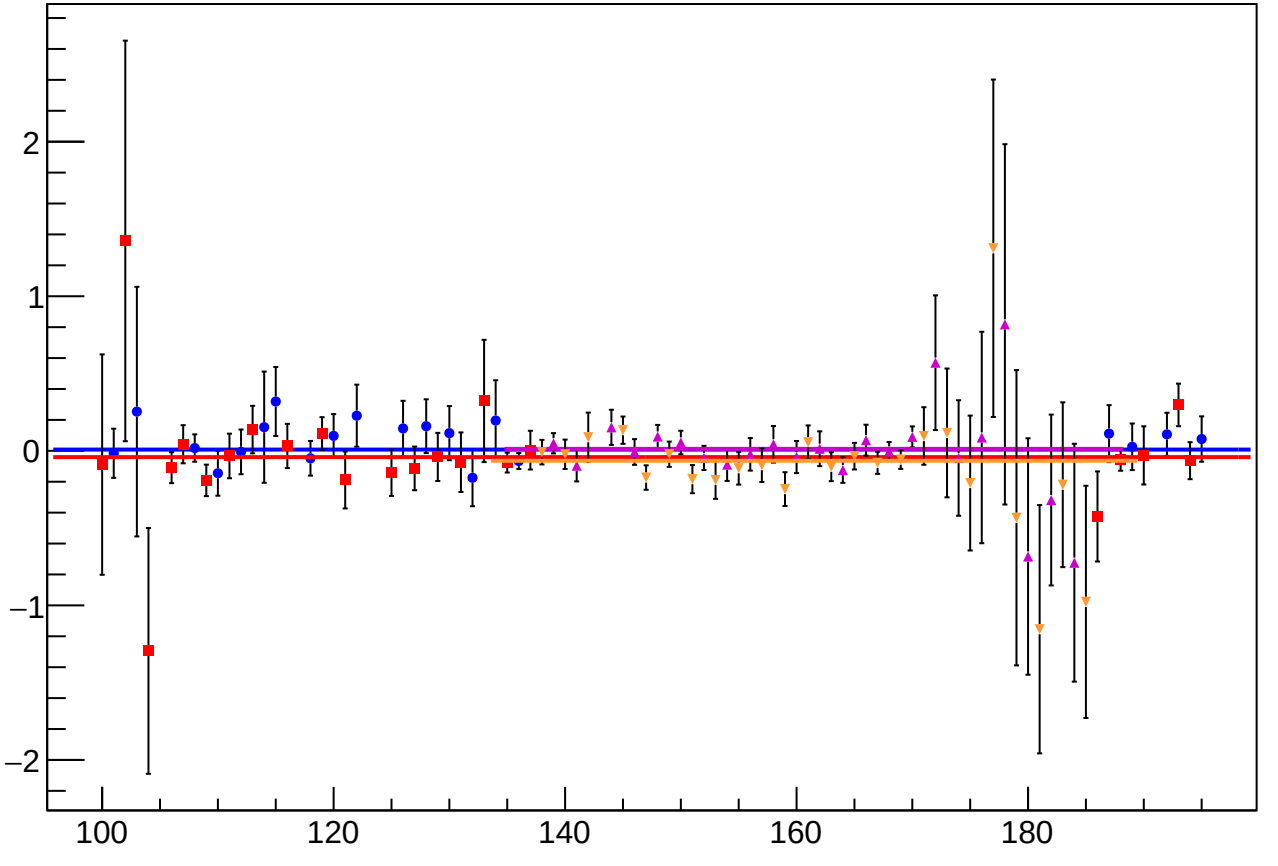
Right: 76.287+/-0.014 χ^2/NDF: 7659284.1/42

In: 75.941+/-0.012 χ^2/NDF:12029790.7/42

Out: 76.016+/-0.012 χ^2/NDF:12499037.4/46

All: 75.979+/-0.009 χ^2/NDF: 24528847.4/89

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.030 χ^2/NDF: 11.5/19

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.027 χ^2/NDF: 20.9/22

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

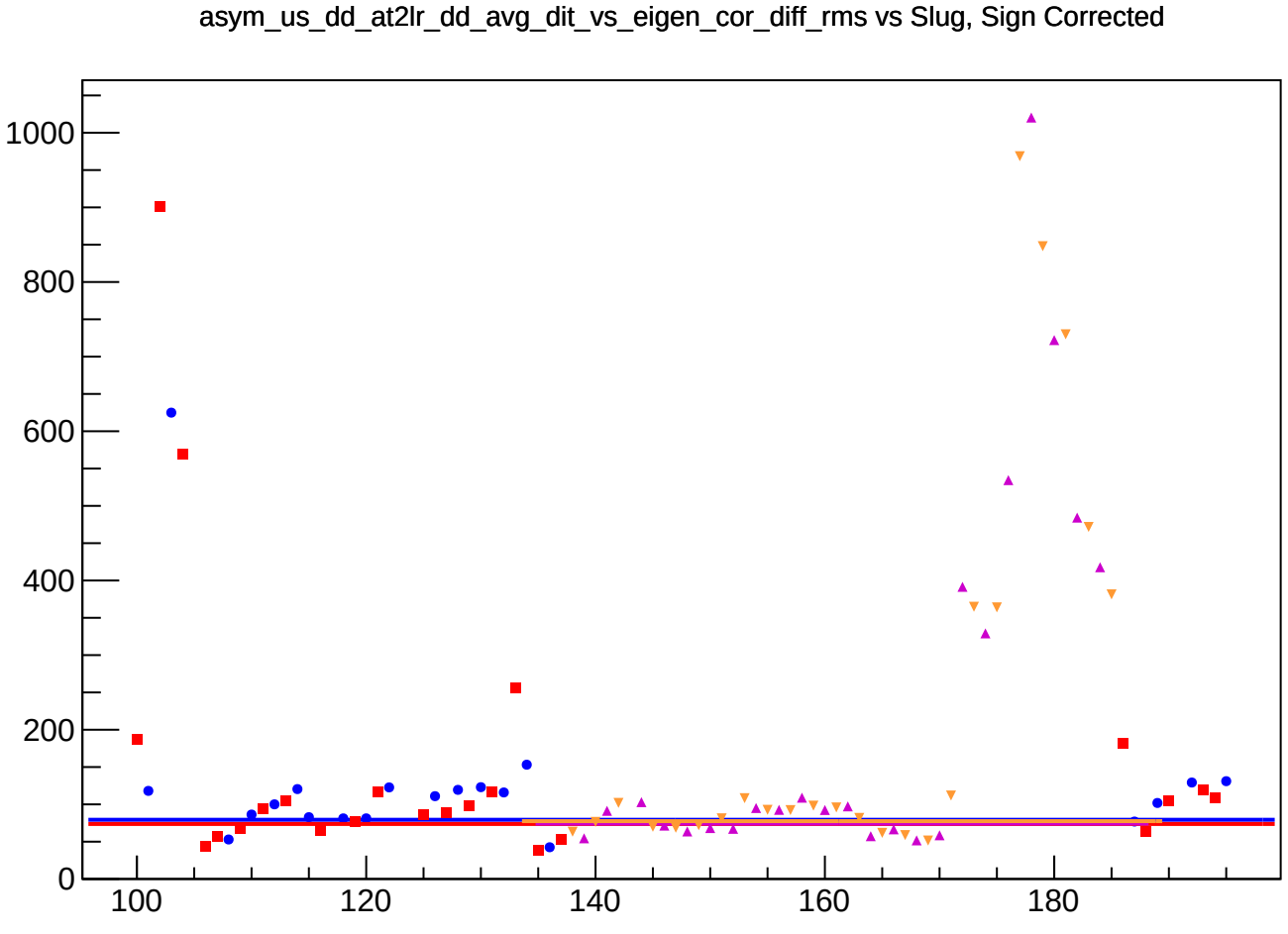
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.019+/-0.020 χ^2/NDF: 33.9/42

In: 0.011+/-0.017 χ^2/NDF:26.6/42

Out: -0.055+/-0.017 χ^2/NDF:43.7/46

All: -0.022+/-0.012 χ^2/NDF: 77.7/89



Right In: 79.349+/-0.021 χ^2/NDF: 3476033.5/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 73.728+/-0.019 χ^2/NDF: 4144216.3/22

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

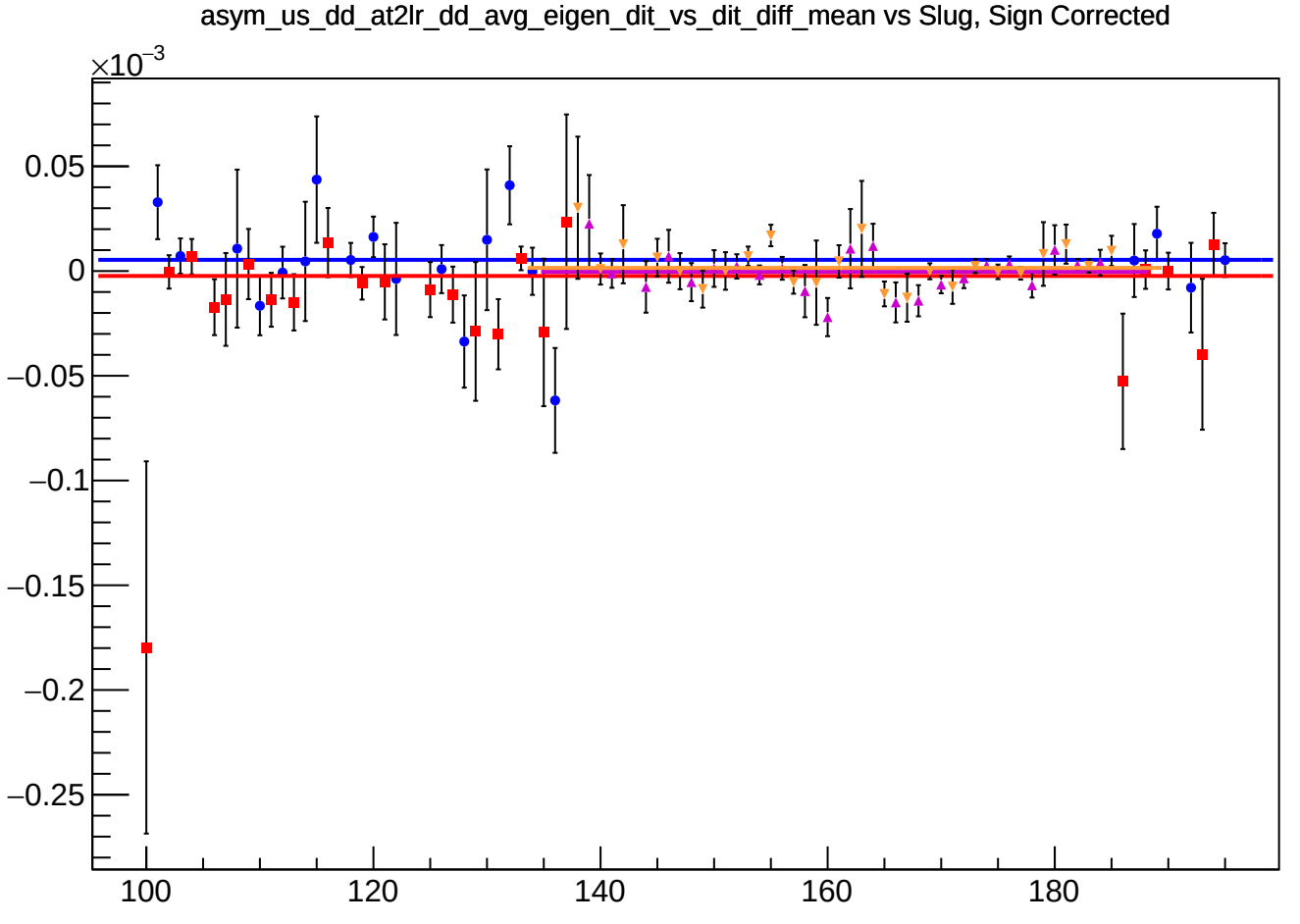
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 76.287+/-0.014 χ^2/NDF: 7659284.1/42

In: 75.941+/-0.012 χ^2/NDF:12029790.7/42

Out: 76.016+/-0.012 χ^2/NDF:12499037.4/46

All: 75.979+/-0.009 χ^2/NDF: 24528847.4/89



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

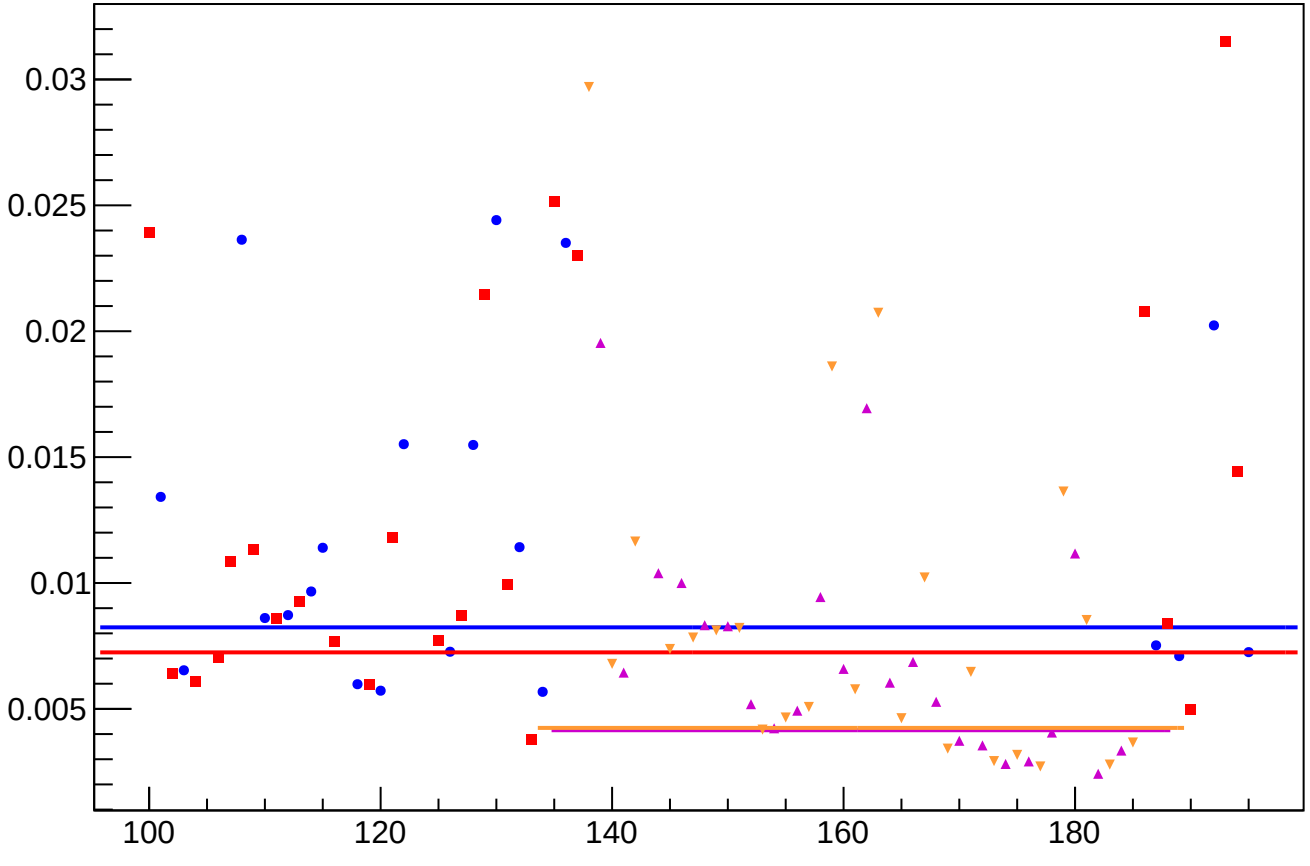
Right: 0.000+/-0.000 χ^2/NDF: 49.2/42

In: 0.000+/-0.000 χ^2/NDF:51.6/42

Out: 0.000+/-0.000 χ^2/NDF:50.5/46

All: 0.000+/-0.000 χ^2/NDF: 102.2/89

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3332983.6/19

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.007+/-0.000 χ^2/NDF: 4340591.5/22

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

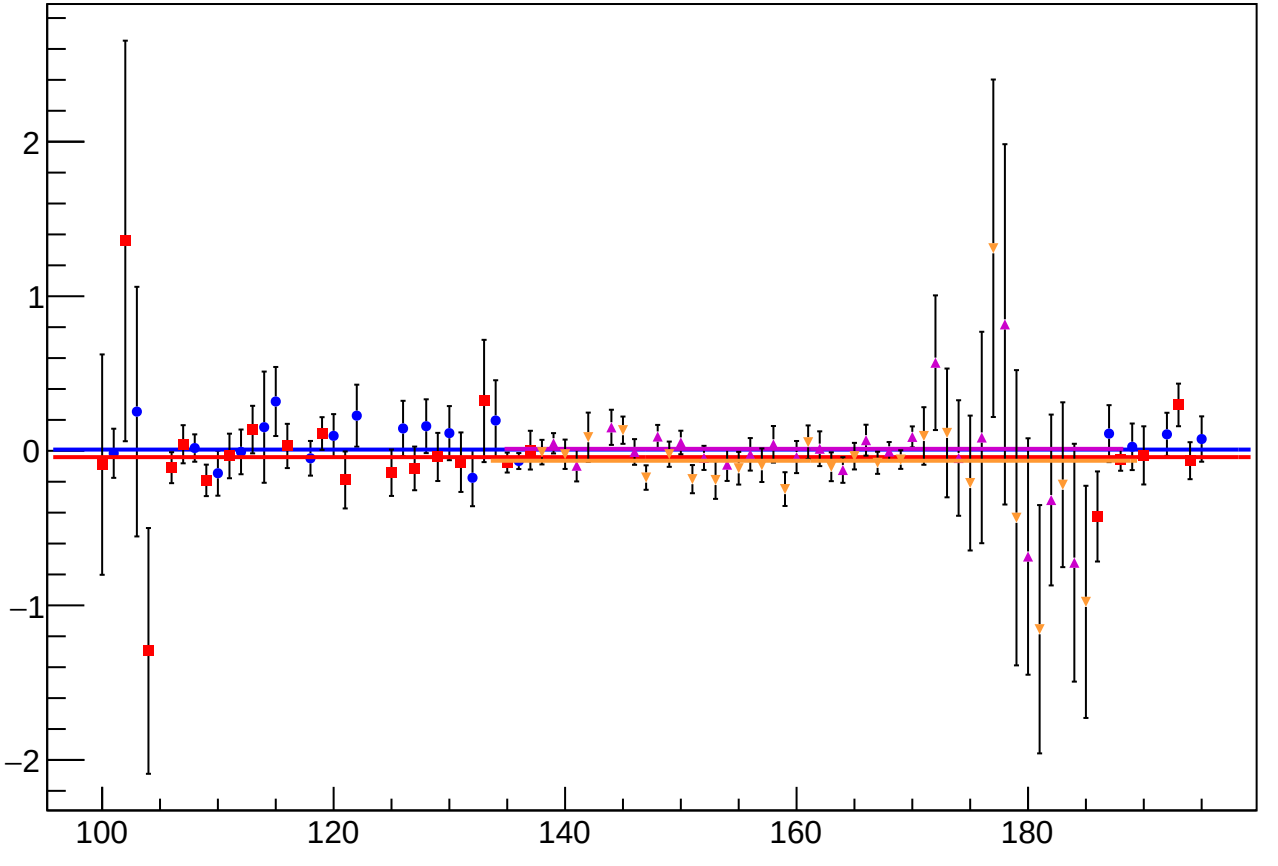
Right: 0.008+/-0.000 χ^2/NDF: 7800170.0/42

In: 0.005+/-0.000 χ^2/NDF:13374447.6/42

Out: 0.005+/-0.000 χ^2/NDF:15306317.7/46

All: 0.005+/-0.000 χ^2/NDF: 28684430.4/89

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.030 χ^2/NDF: 11.5/19

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.027 χ^2/NDF: 20.9/22

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

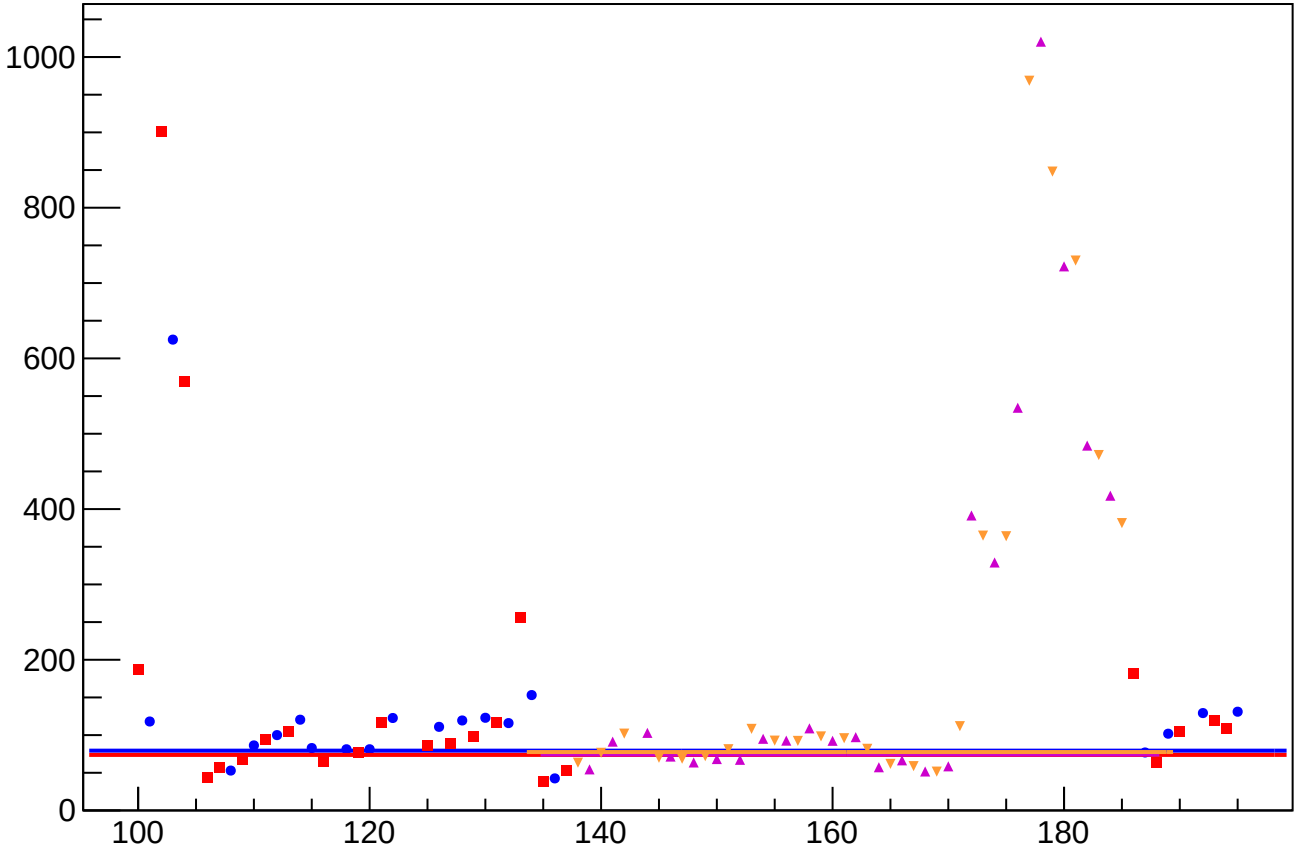
Right: -0.019+/-0.020 χ^2/NDF: 33.9/42

In: 0.011+/-0.017 χ^2/NDF:26.6/42

Out: -0.055+/-0.017 χ^2/NDF:43.7/46

All: -0.022+/-0.012 χ^2/NDF: 77.7/89

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.372+/-0.021 χ^2/NDF: 3473055.0/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 73.720+/-0.019 χ^2/NDF: 4145332.0/22

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

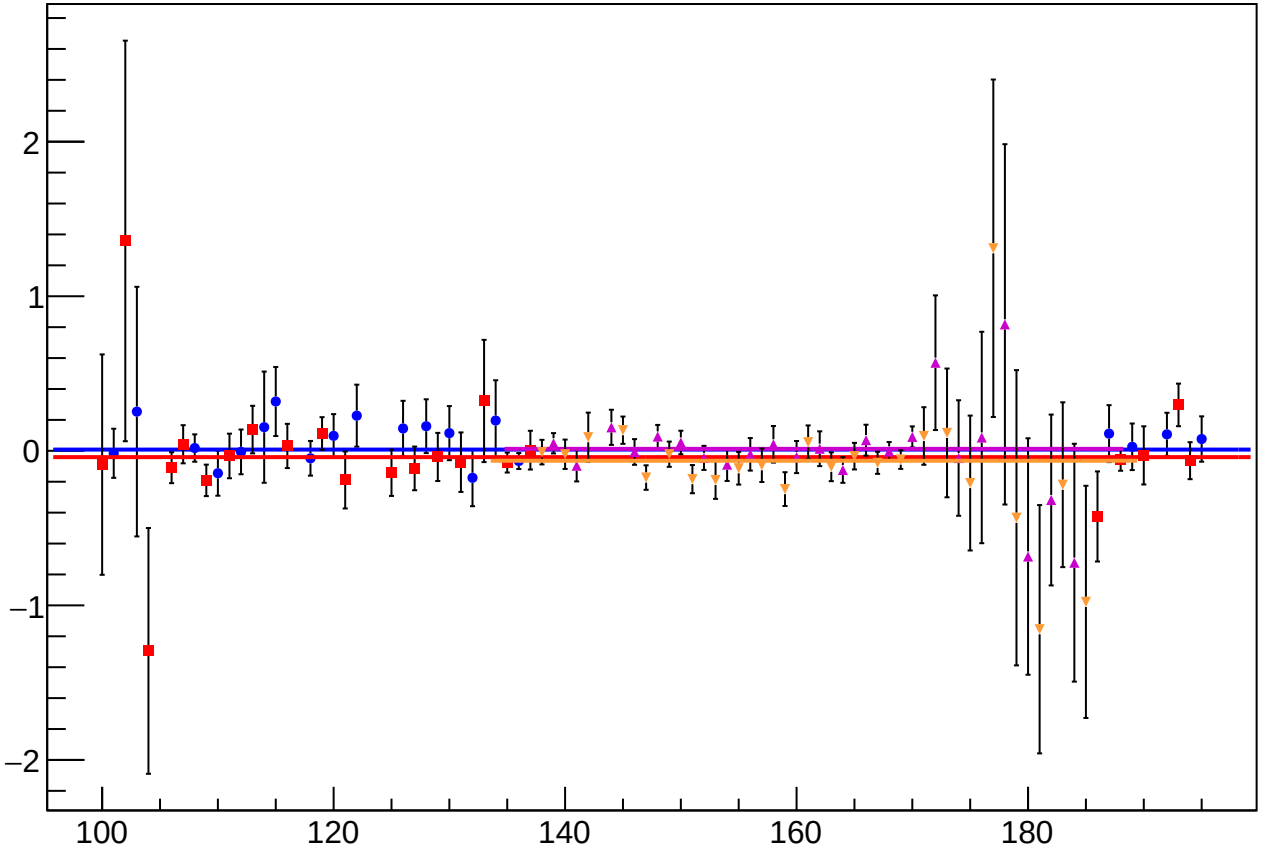
Right: 76.292+/-0.014 χ^2/NDF: 7657858.7/42

In: 75.949+/-0.012 χ^2/NDF:12026855.4/42

Out: 76.012+/-0.012 χ^2/NDF:12500169.2/46

All: 75.981+/-0.009 χ^2/NDF: 24527038.2/89

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.030 χ^2/NDF: 11.5/19

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.027 χ^2/NDF: 20.9/22

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

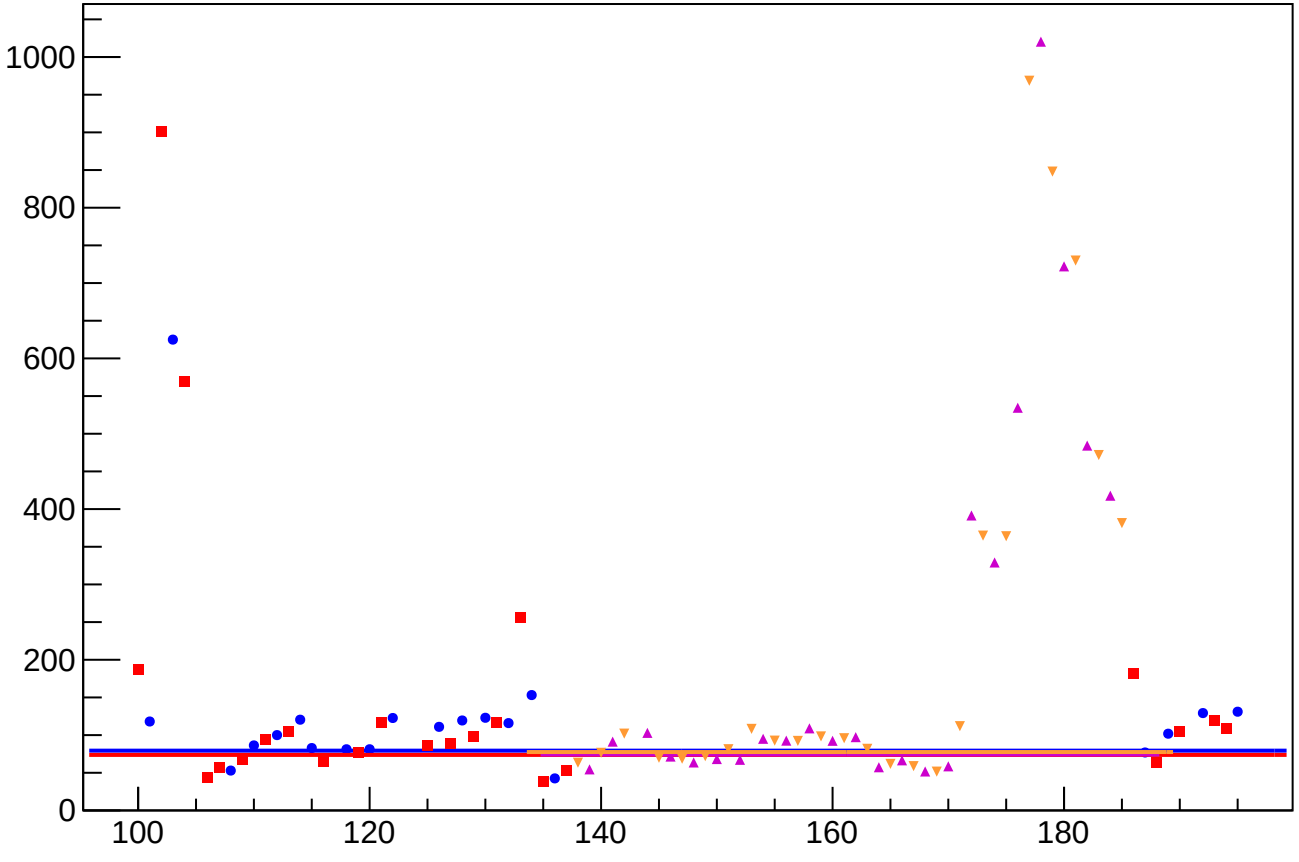
Right: -0.019+/-0.020 χ^2/NDF: 33.9/42

In: 0.011+/-0.017 χ^2/NDF:26.6/42

Out: -0.055+/-0.017 χ^2/NDF:43.7/46

All: -0.022+/-0.012 χ^2/NDF: 77.7/89

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.372+/-0.021 χ^2/NDF: 3473055.0/19

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 73.720+/-0.019 χ^2/NDF: 4145332.0/22

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

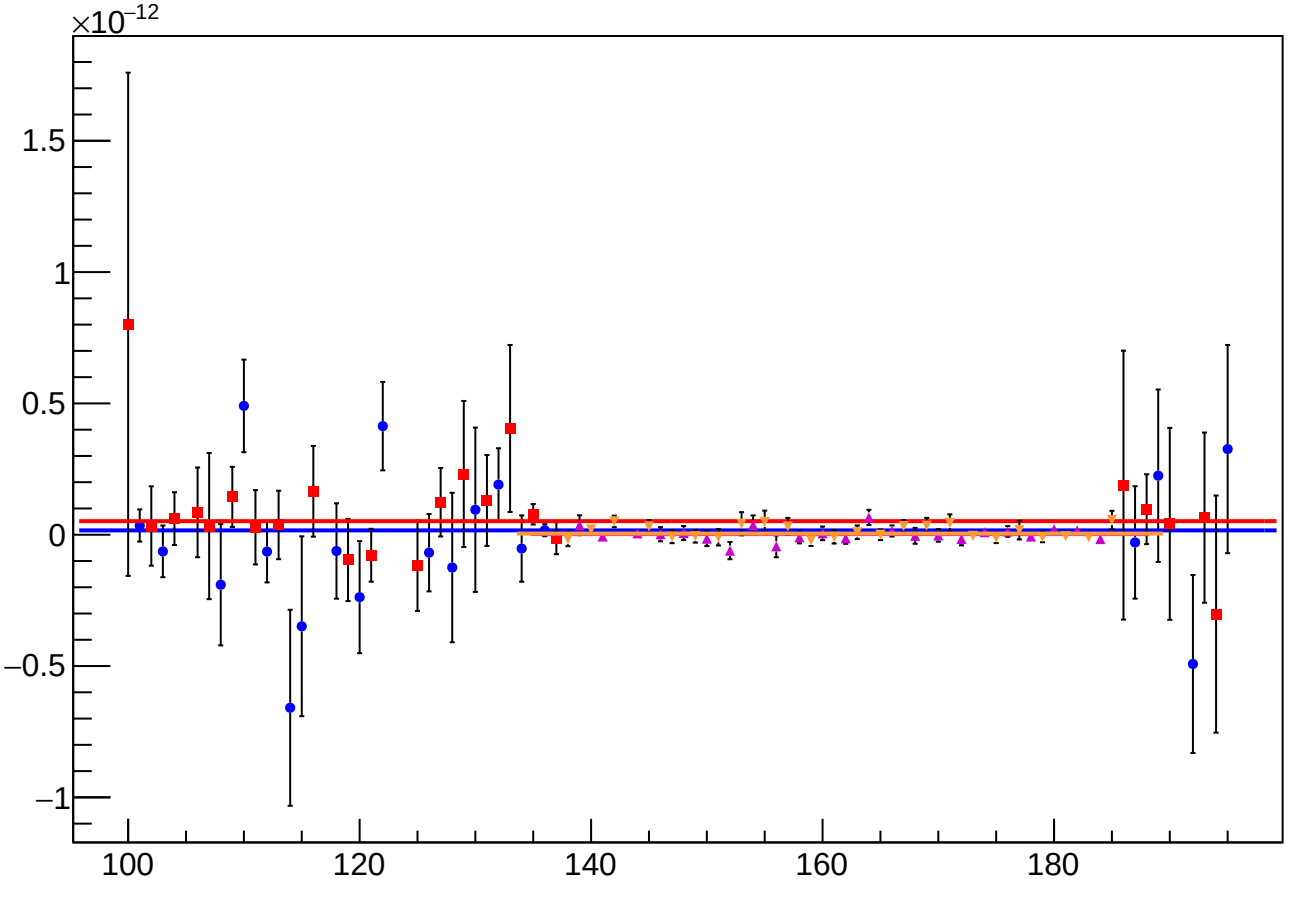
Right: 76.292+/-0.014 χ^2/NDF: 7657858.7/42

In: 75.949+/-0.012 χ^2/NDF:12026855.4/42

Out: 76.012+/-0.012 χ^2/NDF:12500169.2/46

All: 75.981+/-0.009 χ^2/NDF: 24527038.2/89

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: 26.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9.9/22

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

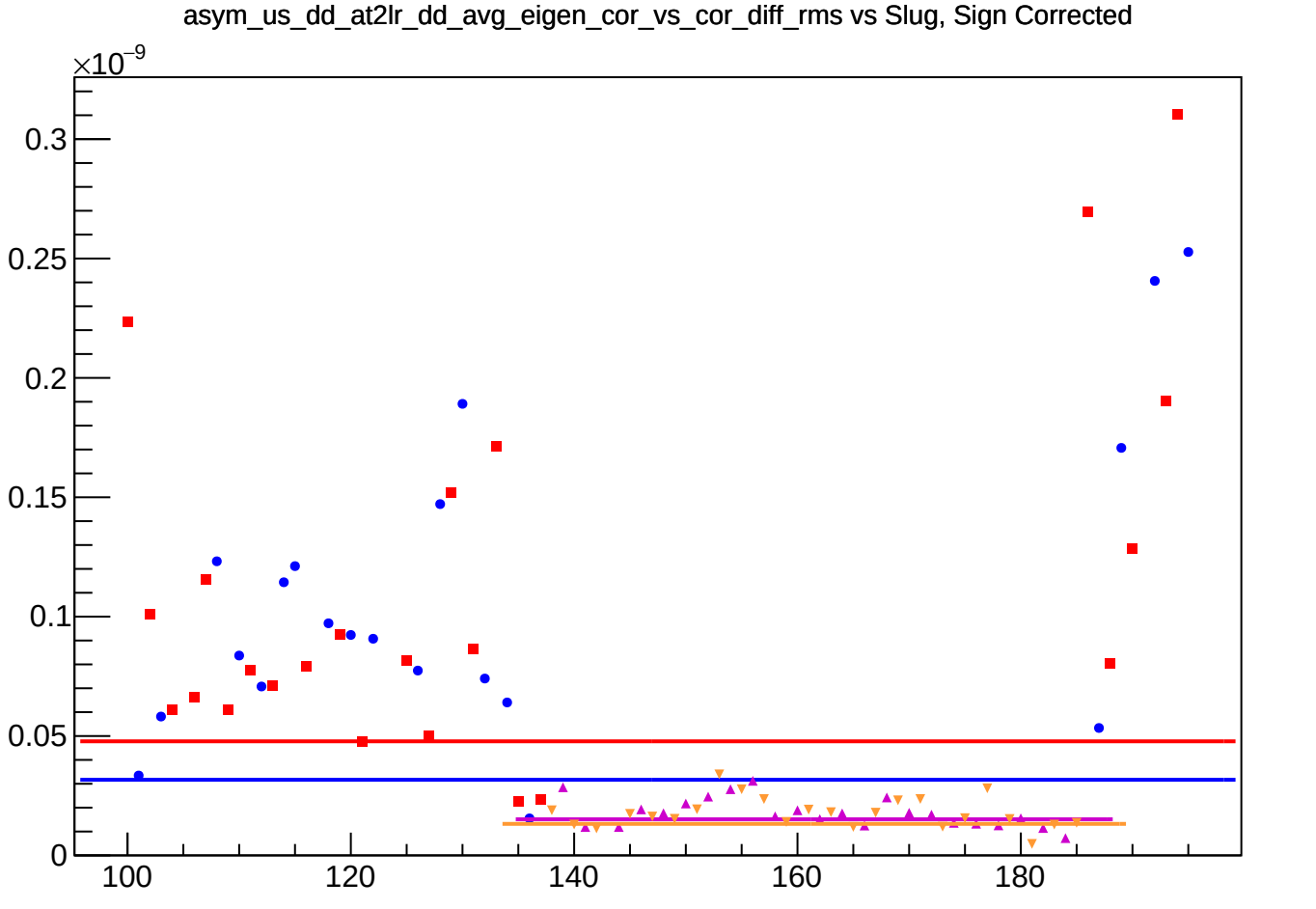
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 37.9/42

In: 0.000+/-0.000 χ^2/NDF:44.7/42

Out: 0.000+/-0.000 χ^2/NDF:35.2/46

All: 0.000+/-0.000 χ^2/NDF: 80.1/89



Right In: 0.000+/-0.000 χ^2/NDF: 5859912.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4478954.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

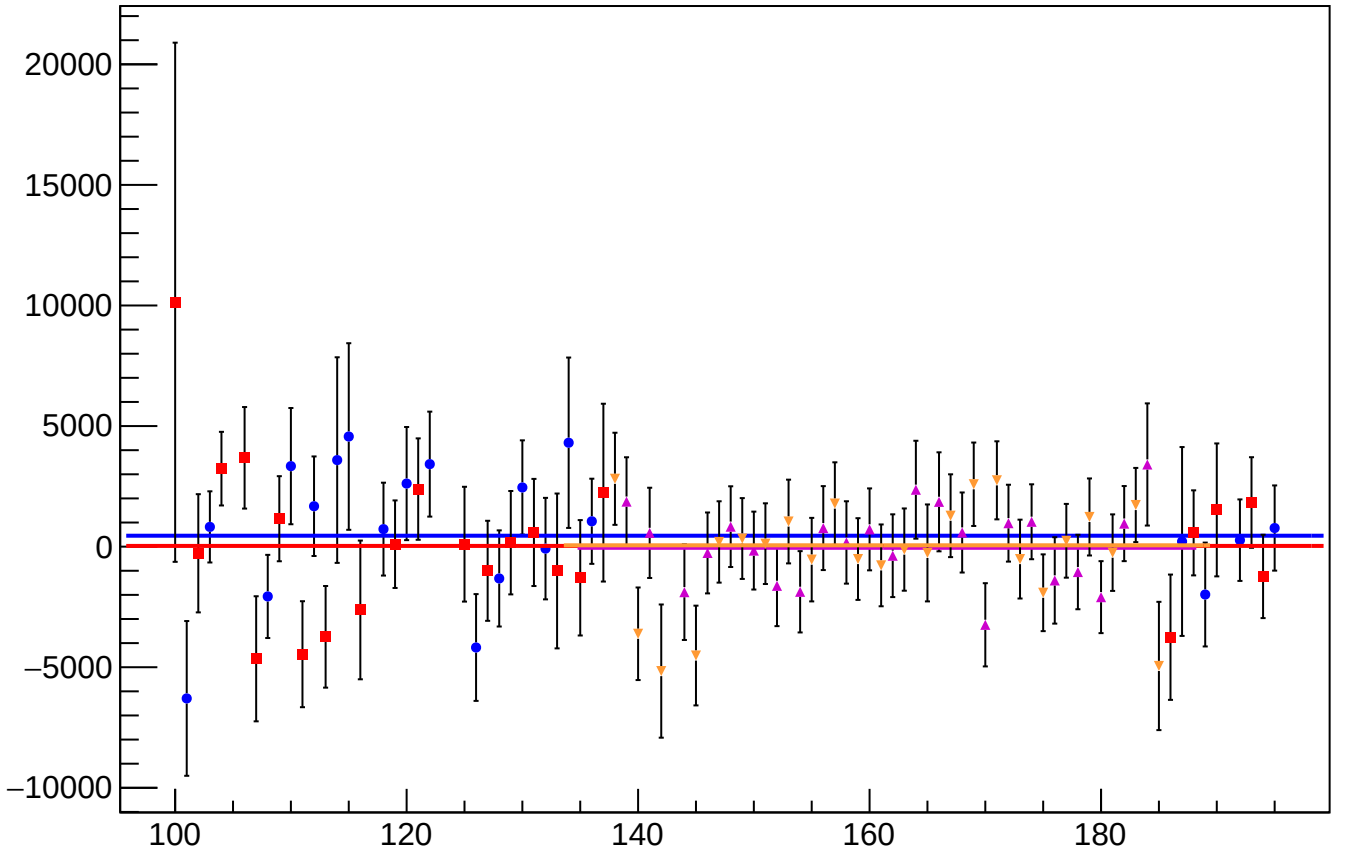
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 10883908.4/42

In: 0.000+/-0.000 χ^2/NDF:9414226.1/42

Out: 0.000+/-0.000 χ^2/NDF:12674567.2/46

All: 0.000+/-0.000 χ^2/NDF: 22249967.7/89



Right In: 453.175+/-477.802 χ^2/NDF: 21.7/19

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 30.130+/-457.530 χ^2/NDF: 26.5/22

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

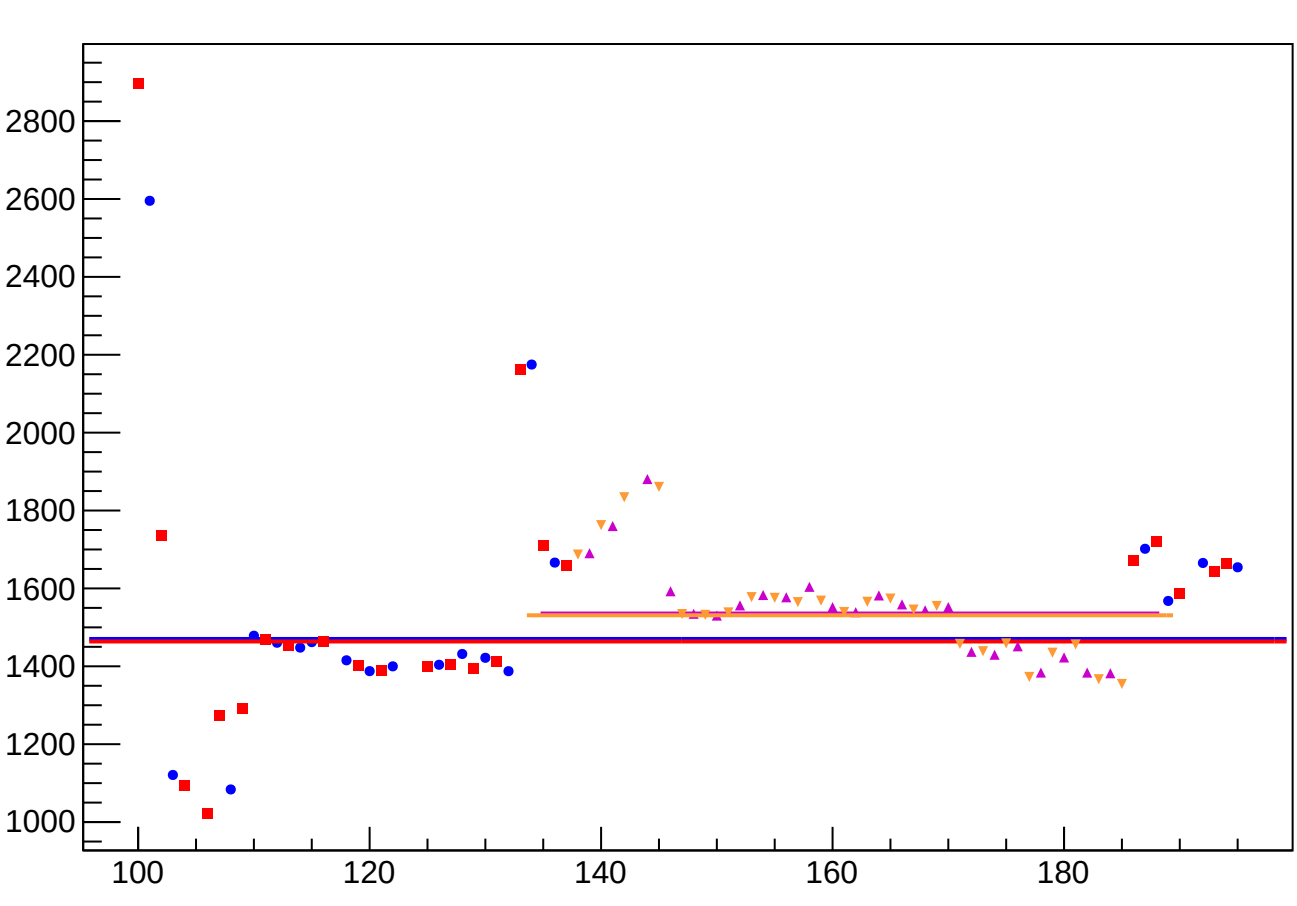
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 232.488+/-330.457 χ^2/NDF: 48.6/42

In: 133.069+/-287.284 χ^2/NDF:39.2/42

Out: 45.466+/-281.151 χ^2/NDF:55.0/46

All: 88.323+/-200.937 χ^2/NDF: 94.2/89



Right In: 1470.205+/-0.338 χ^2/NDF: 635364.7/19

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1463.777+/-0.324 χ^2/NDF: 532571.8/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

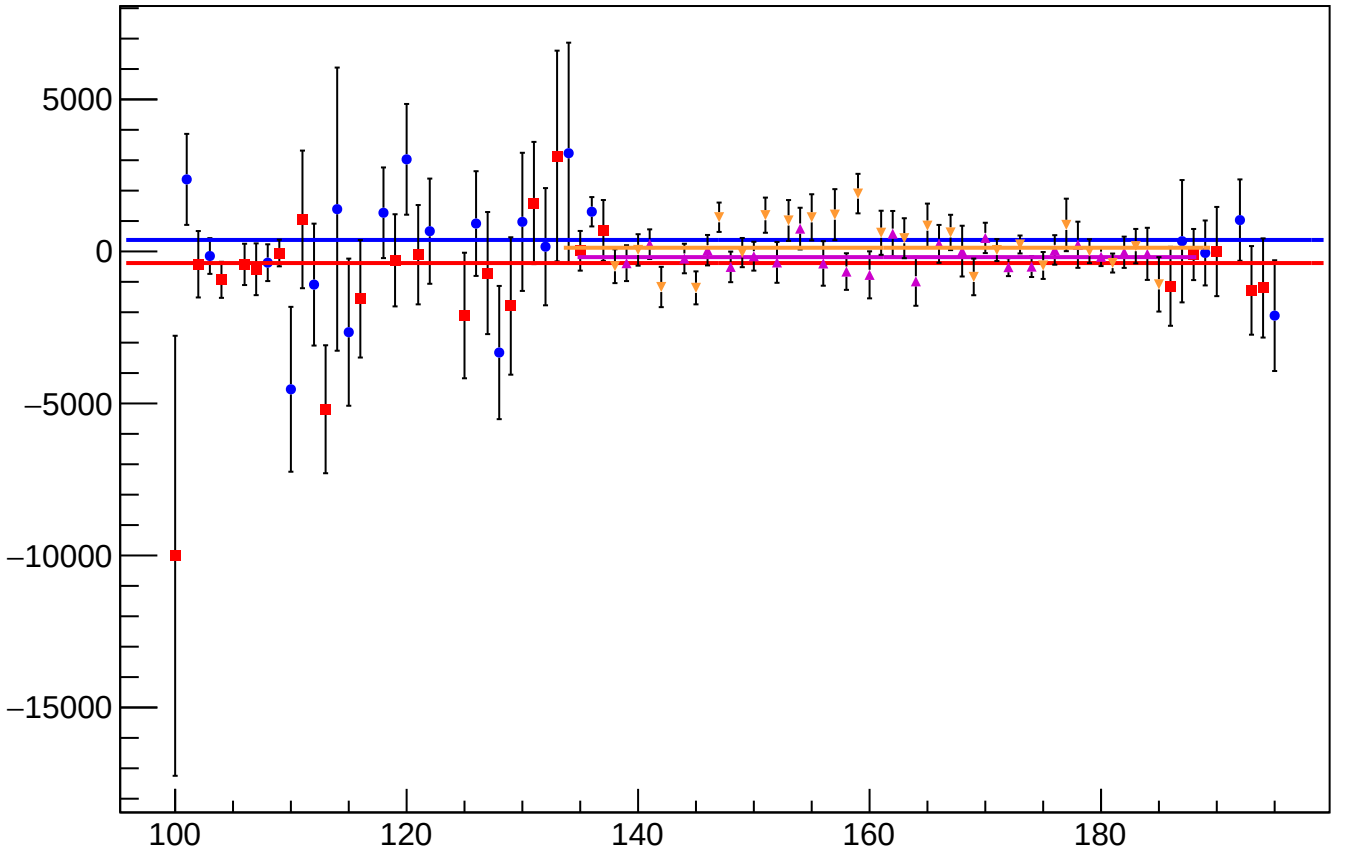
Right: 1466.852+/-0.234 χ^2/NDF: 1168125.3/42

In: 1511.927+/-0.203 χ^2/NDF:851681.8/42

Out: 1505.601+/-0.199 χ^2/NDF:762963.8/46

All: 1508.696+/-0.142 χ^2/NDF: 1615141.0/89

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 377.835+/-257.174 χ^2/NDF: 21.7/19

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -382.039+/-215.055 χ^2/NDF: 15.1/22

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

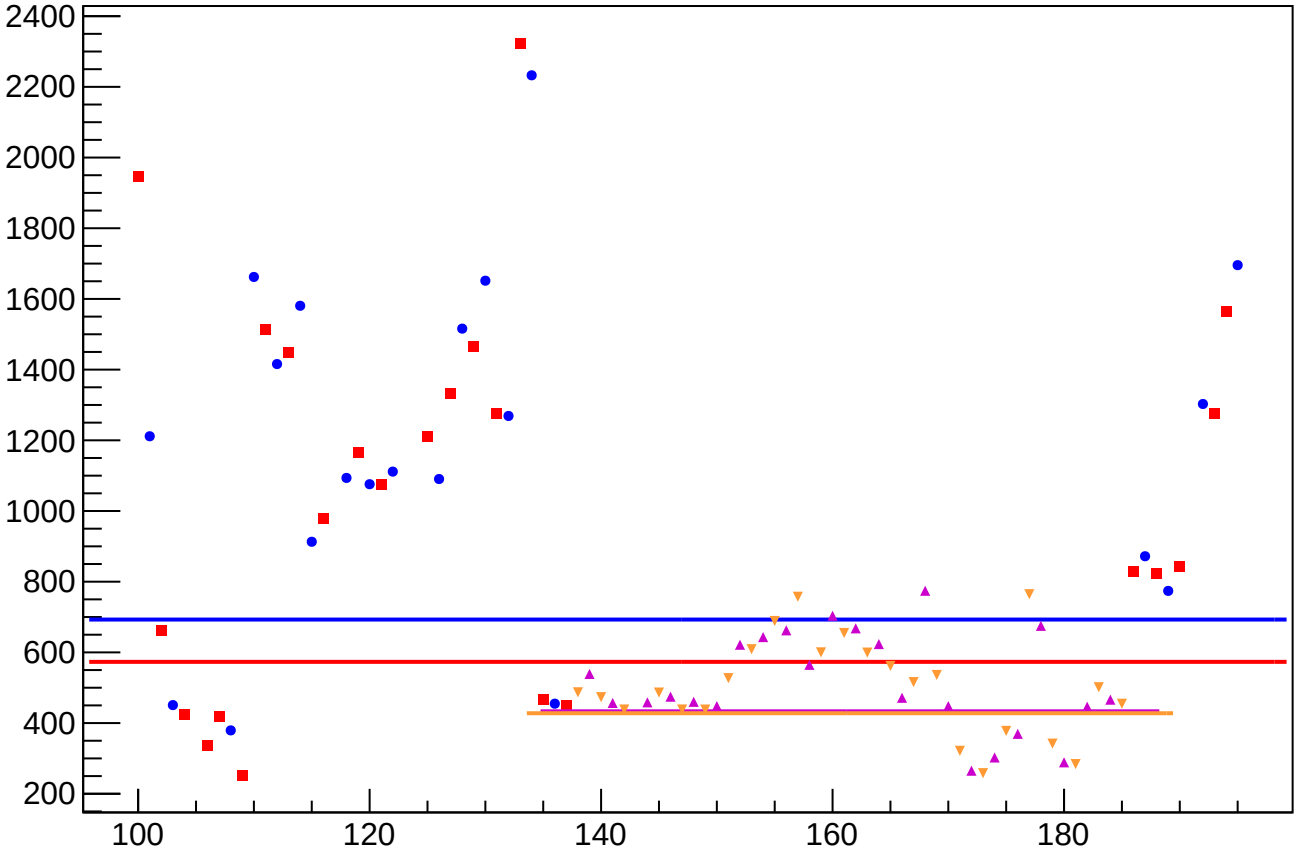
Right: -69.342+/-164.975 χ^2/NDF: 41.9/42

In: -103.537+/-98.771 χ^2/NDF:37.4/42

Out: 24.342+/-94.398 χ^2/NDF:63.2/46

All: -36.704+/-68.243 χ^2/NDF: 101.4/89

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 692.874+/-0.182 χ^2/NDF: 4889336.7/19

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 573.204+/-0.152 χ^2/NDF: 6029827.8/22

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

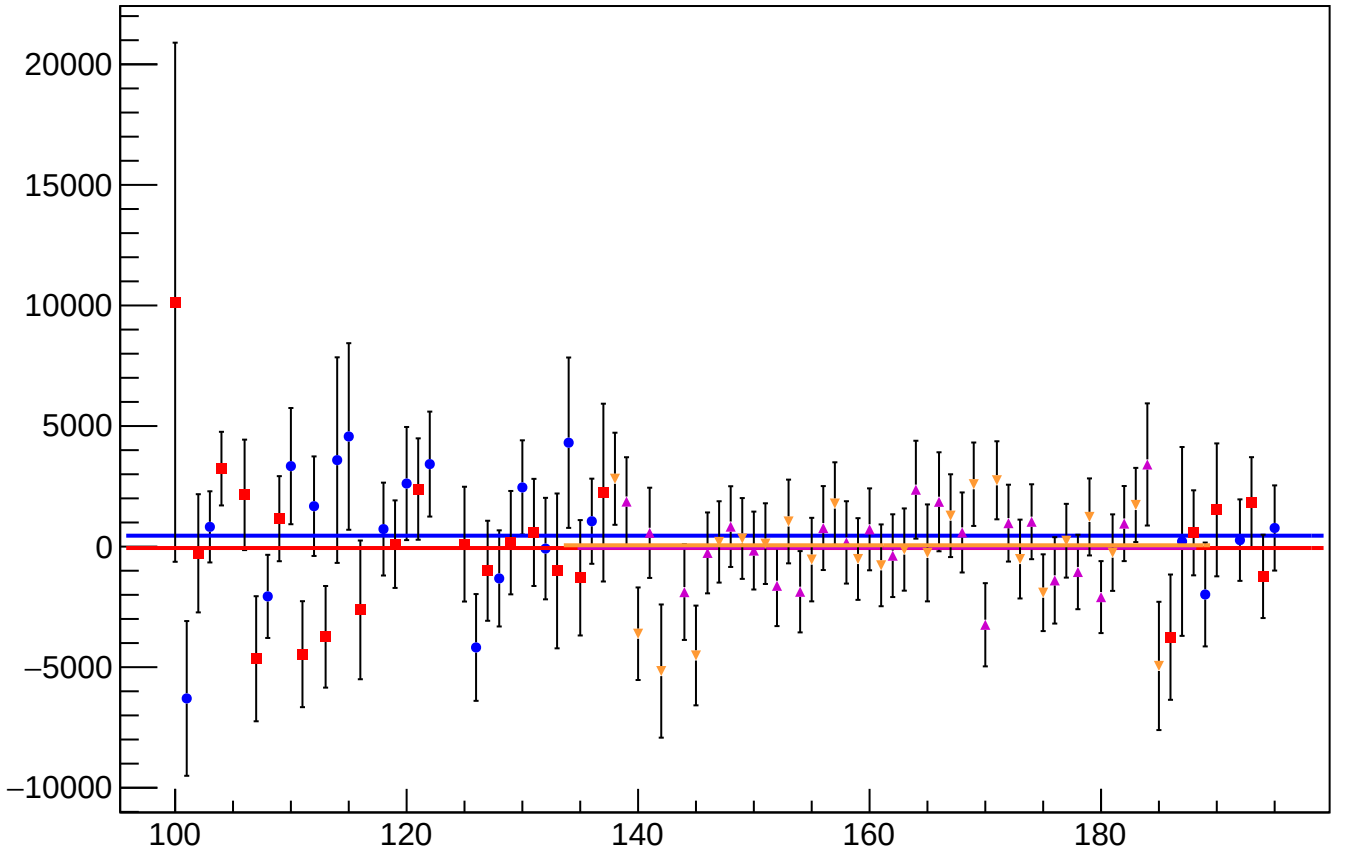
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 622.450+/-0.117 χ^2/NDF: 11174010.1/42

In: 471.574+/-0.070 χ^2/NDF:9874510.5/42

Out: 455.827+/-0.067 χ^2/NDF:9955974.4/46

All: 463.344+/-0.048 χ^2/NDF: 19857052.3/89



Right In: 453.123+/-477.802 χ^2/NDF: 21.7/19

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -58.775+/-459.210 χ^2/NDF: 24.3/22

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

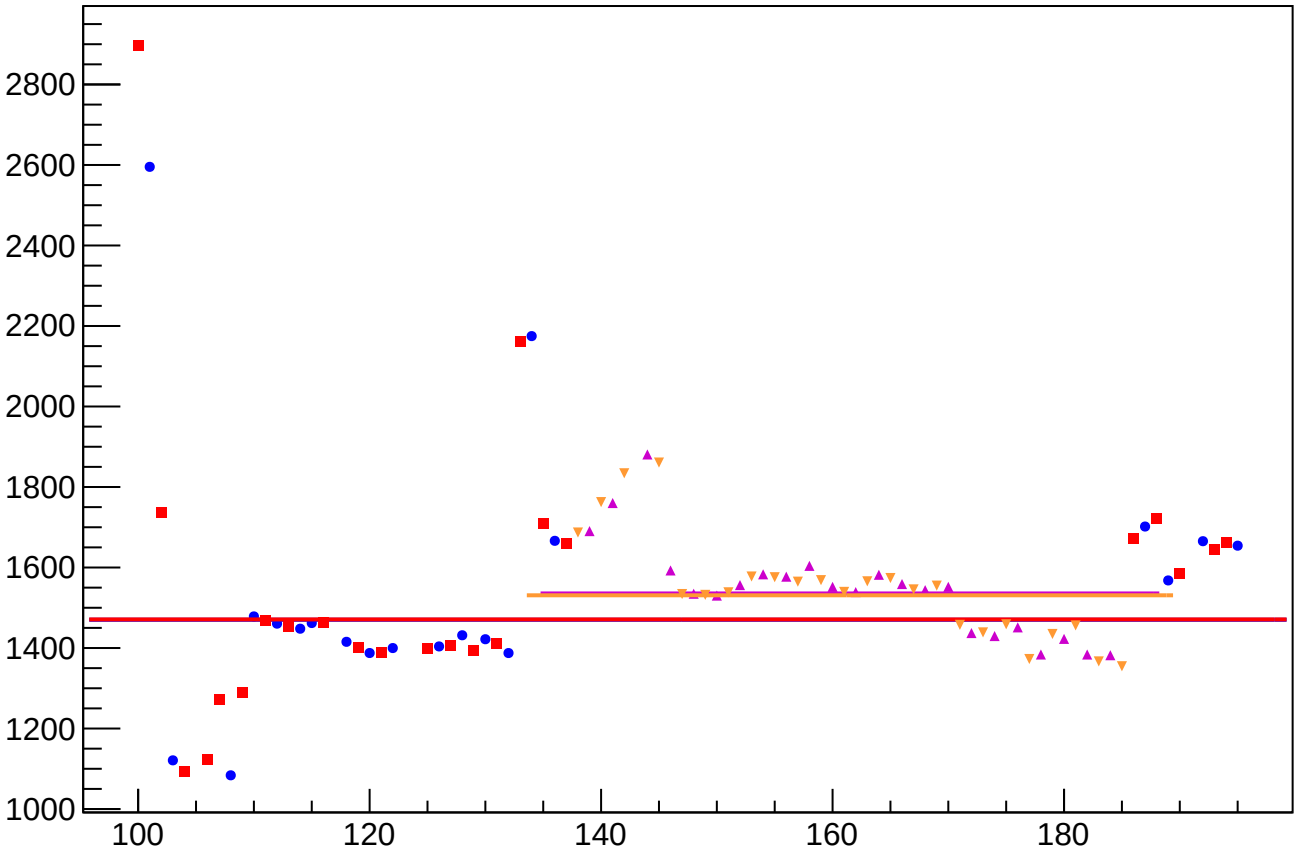
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 187.021+/-331.088 χ^2/NDF: 46.6/42

In: 133.000+/-287.284 χ^2/NDF:39.2/42

Out: 12.068+/-281.539 χ^2/NDF:52.8/46

All: 71.313+/-201.079 χ^2/NDF: 92.1/89



Right In: 1470.205+/-0.338 χ^2/NDF: 635364.9/19

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1471.011+/-0.325 χ^2/NDF: 488887.3/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

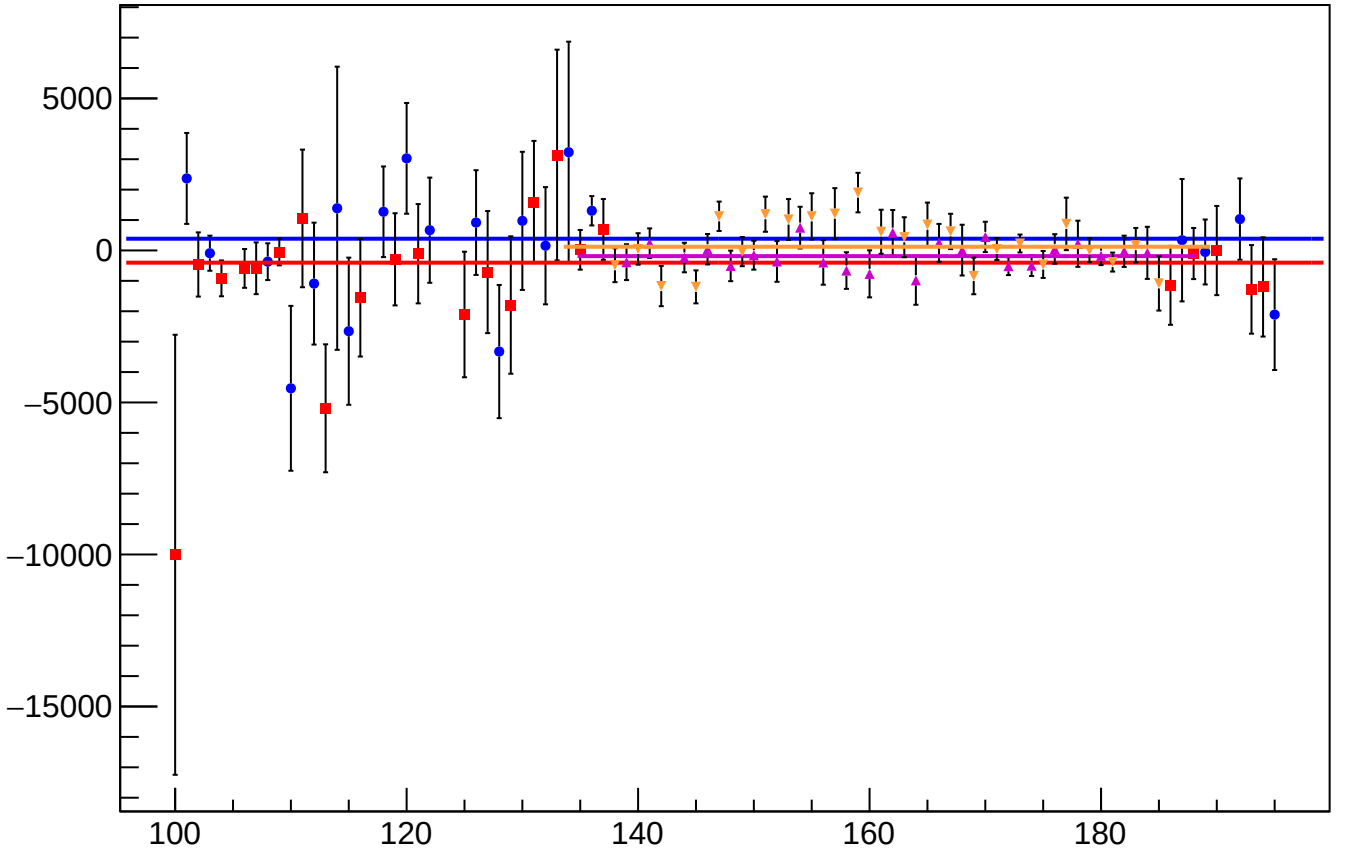
Right: 1470.624+/-0.234 χ^2/NDF: 1124255.2/42

In: 1511.927+/-0.203 χ^2/NDF:851682.1/42

Out: 1508.436+/-0.199 χ^2/NDF:713711.9/46

All: 1510.146+/-0.142 χ^2/NDF: 1565544.8/89

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 385.768+/-256.218 χ^2/NDF: 21.5/19

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -401.806+/-213.188 χ^2/NDF: 15.2/22

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

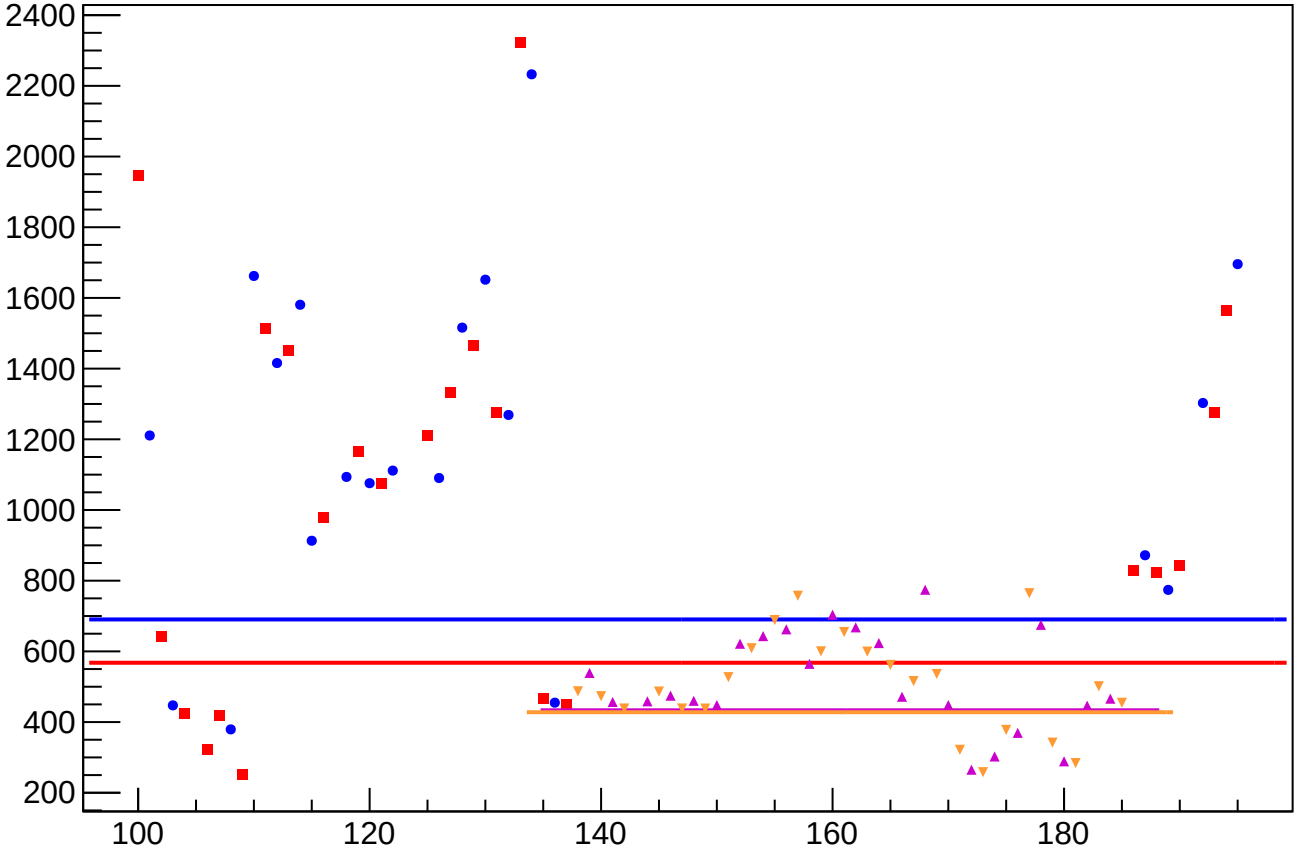
Right: -79.614+/-163.879 χ^2/NDF: 42.3/42

In: -102.008+/-98.717 χ^2/NDF:37.4/42

Out: 19.104+/-94.238 χ^2/NDF:63.6/46

All: -38.642+/-68.165 χ^2/NDF: 101.8/89

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 690.373+/-0.181 χ^2/NDF: 4912478.0/19

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 567.824+/-0.151 χ^2/NDF: 6088333.9/22

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

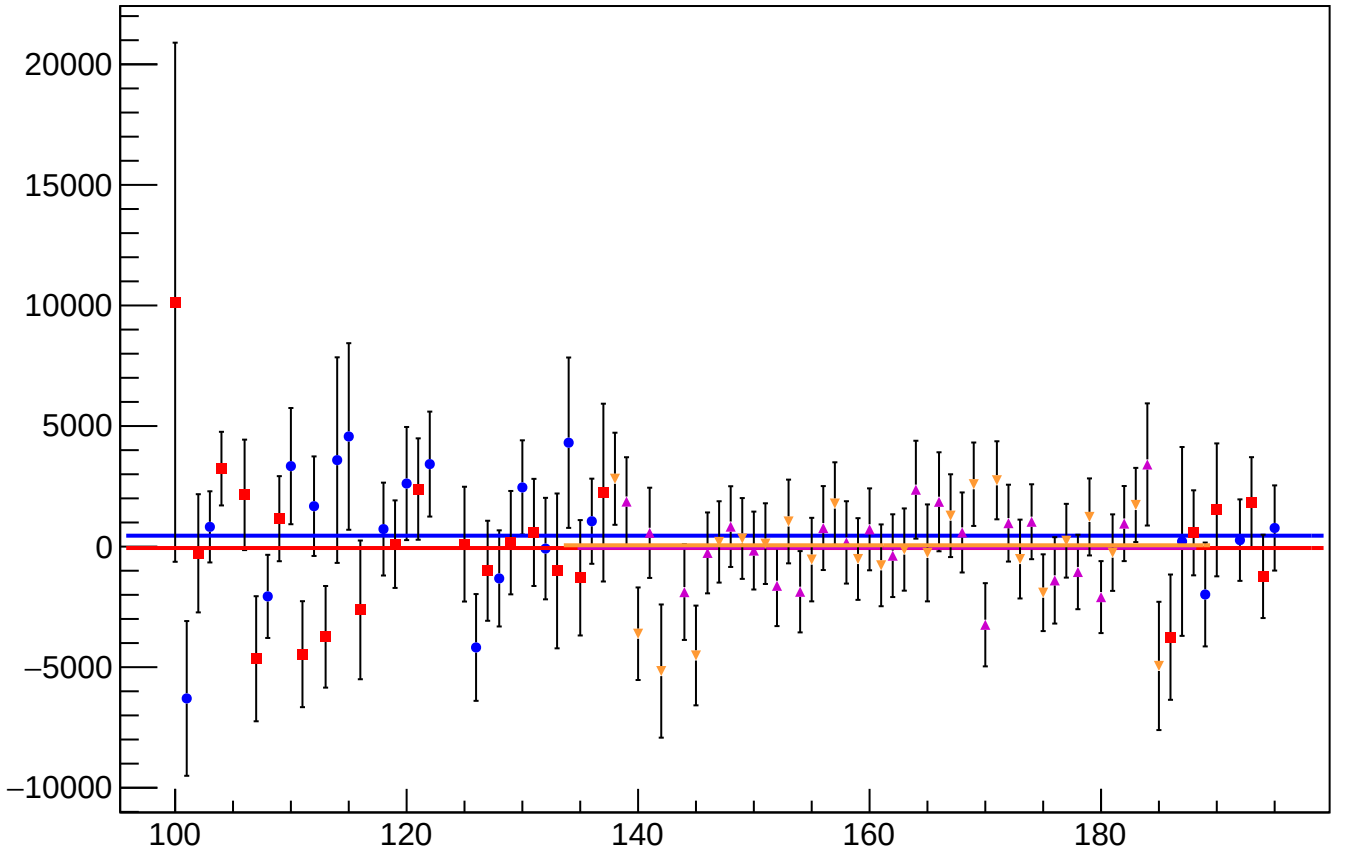
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 617.958+/-0.116 χ^2/NDF: 11271178.5/42

In: 471.448+/-0.070 χ^2/NDF:9875050.9/42

Out: 455.172+/-0.067 χ^2/NDF:9970791.5/46

All: 462.933+/-0.048 χ^2/NDF: 19874287.0/89



Right In: 453.123+/-477.802 χ^2/NDF: 21.7/19

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -58.775+/-459.210 χ^2/NDF: 24.3/22

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

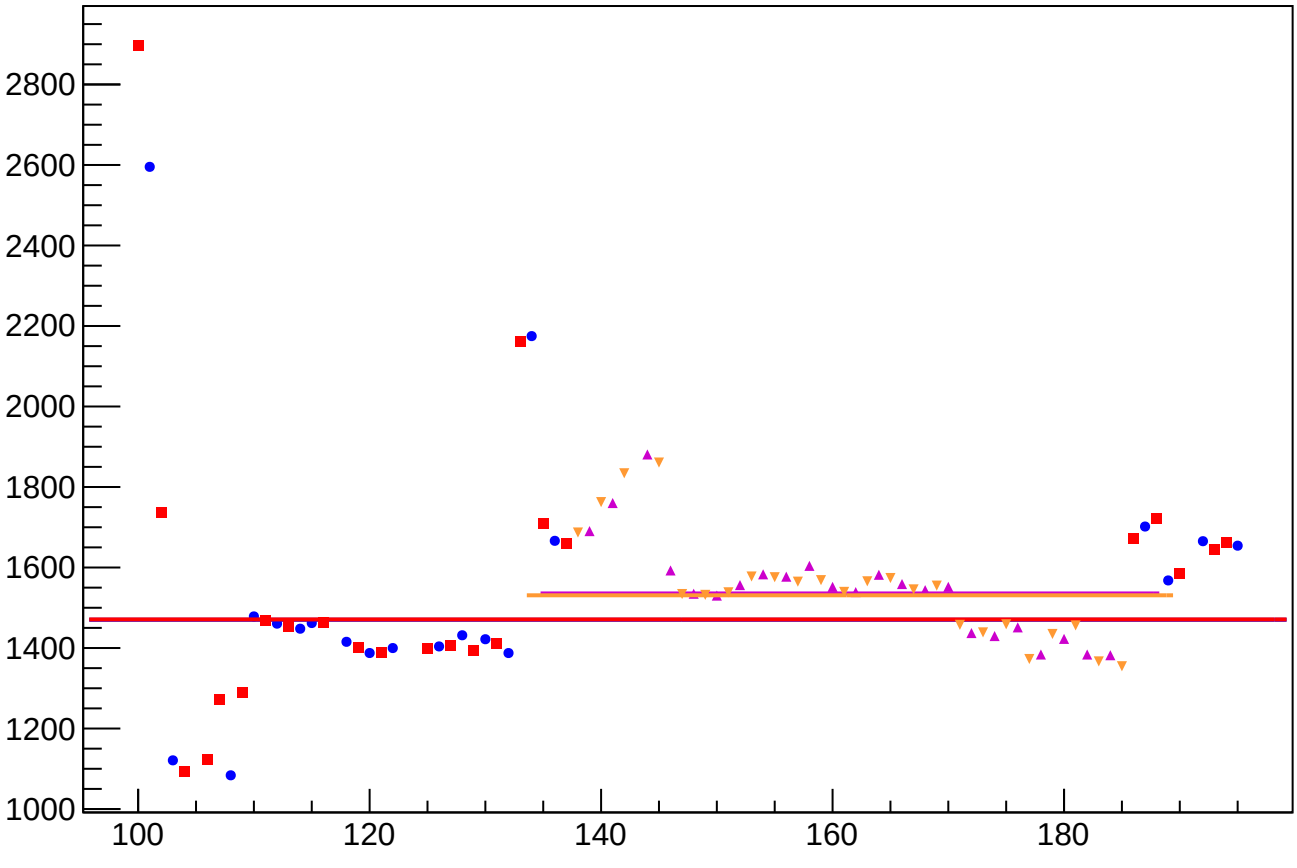
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 187.021+/-331.088 χ^2/NDF: 46.6/42

In: 133.000+/-287.284 χ^2/NDF:39.2/42

Out: 12.068+/-281.539 χ^2/NDF:52.8/46

All: 71.313+/-201.079 χ^2/NDF: 92.1/89



Right In: 1470.205+/-0.338 χ^2/NDF: 635364.9/19

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1471.011+/-0.325 χ^2/NDF: 488887.3/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

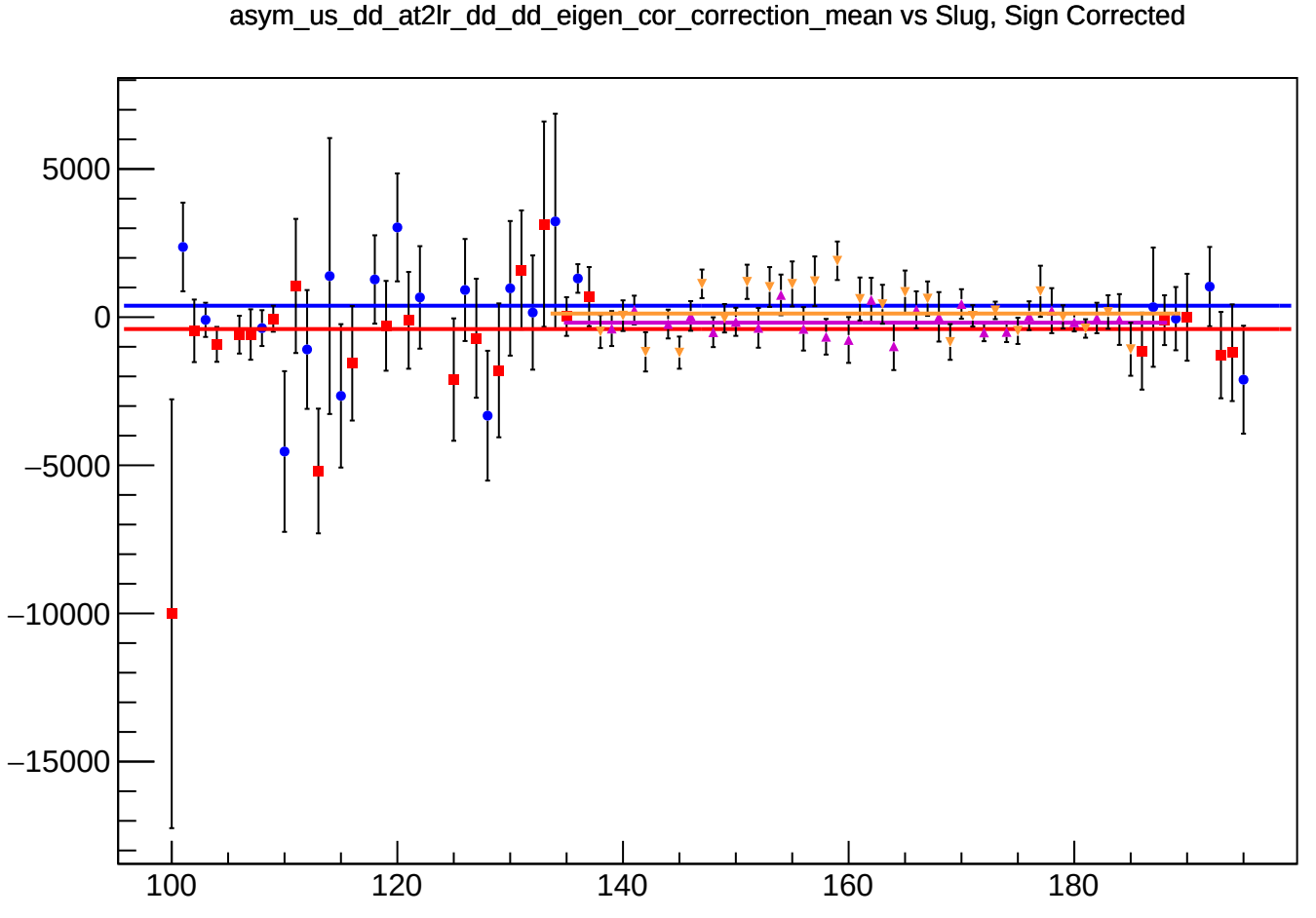
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1470.624+/-0.234 χ^2/NDF: 1124255.2/42

In: 1511.927+/-0.203 χ^2/NDF:851682.1/42

Out: 1508.436+/-0.199 χ^2/NDF:713711.9/46

All: 1510.146+/-0.142 χ^2/NDF: 1565544.8/89



Right In: 385.768+/-256.218 χ^2/NDF: 21.5/19

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -401.806+/-213.188 χ^2/NDF: 15.2/22

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

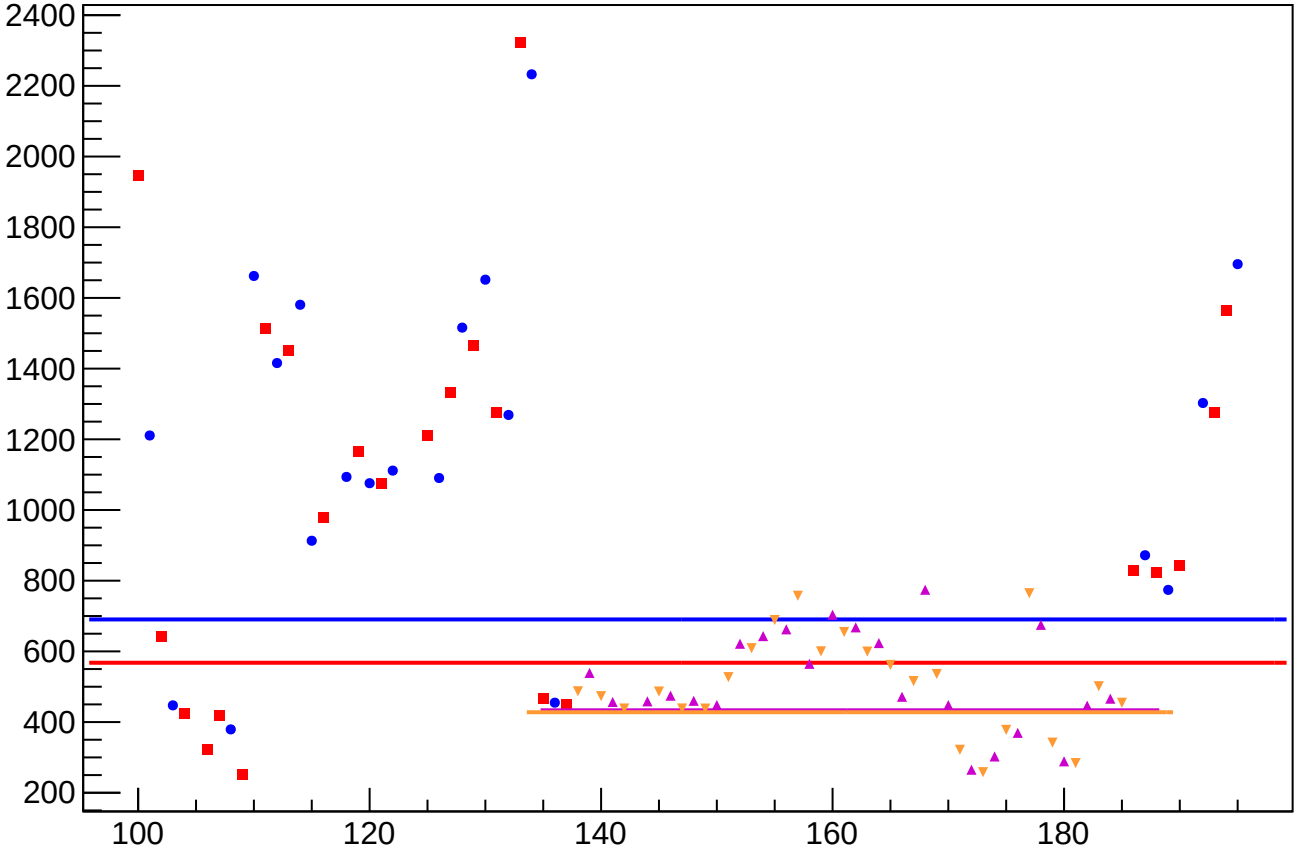
Right: -79.614+/-163.879 χ^2/NDF: 42.3/42

In: -102.008+/-98.717 χ^2/NDF:37.4/42

Out: 19.104+/-94.238 χ^2/NDF:63.6/46

All: -38.642+/-68.165 χ^2/NDF: 101.8/89

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 690.373+/-0.181 χ^2/NDF: 4912478.0/19

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 567.824+/-0.151 χ^2/NDF: 6088333.9/22

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

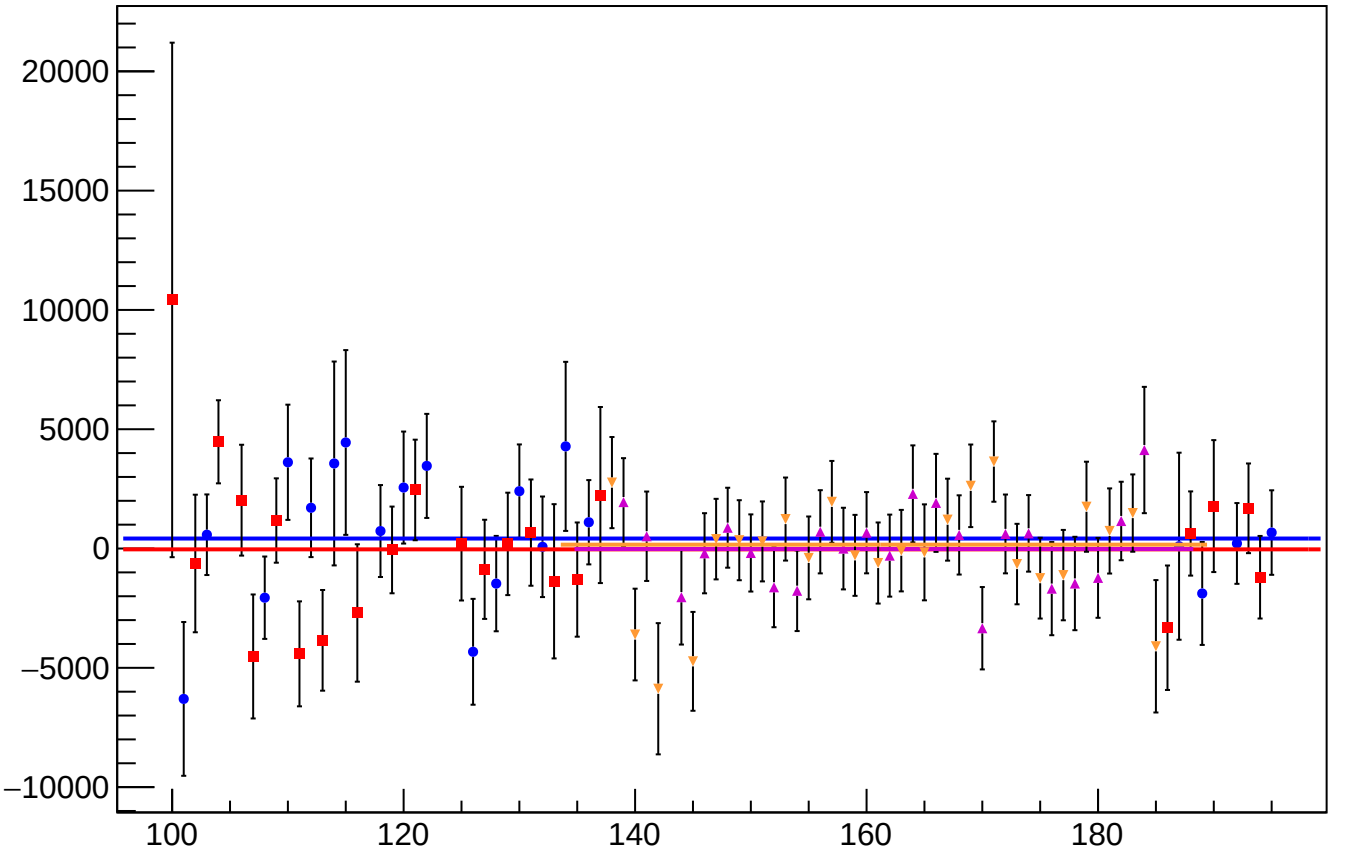
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 617.958+/-0.116 χ^2/NDF: 11271178.5/42

In: 471.448+/-0.070 χ^2/NDF:9875050.9/42

Out: 455.172+/-0.067 χ^2/NDF:9970791.5/46

All: 462.933+/-0.048 χ^2/NDF: 19874287.0/89



Right In: 418.857+/-484.617 χ^2/NDF: 22.0/19

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -34.640+/-467.359 χ^2/NDF: 26.0/22

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

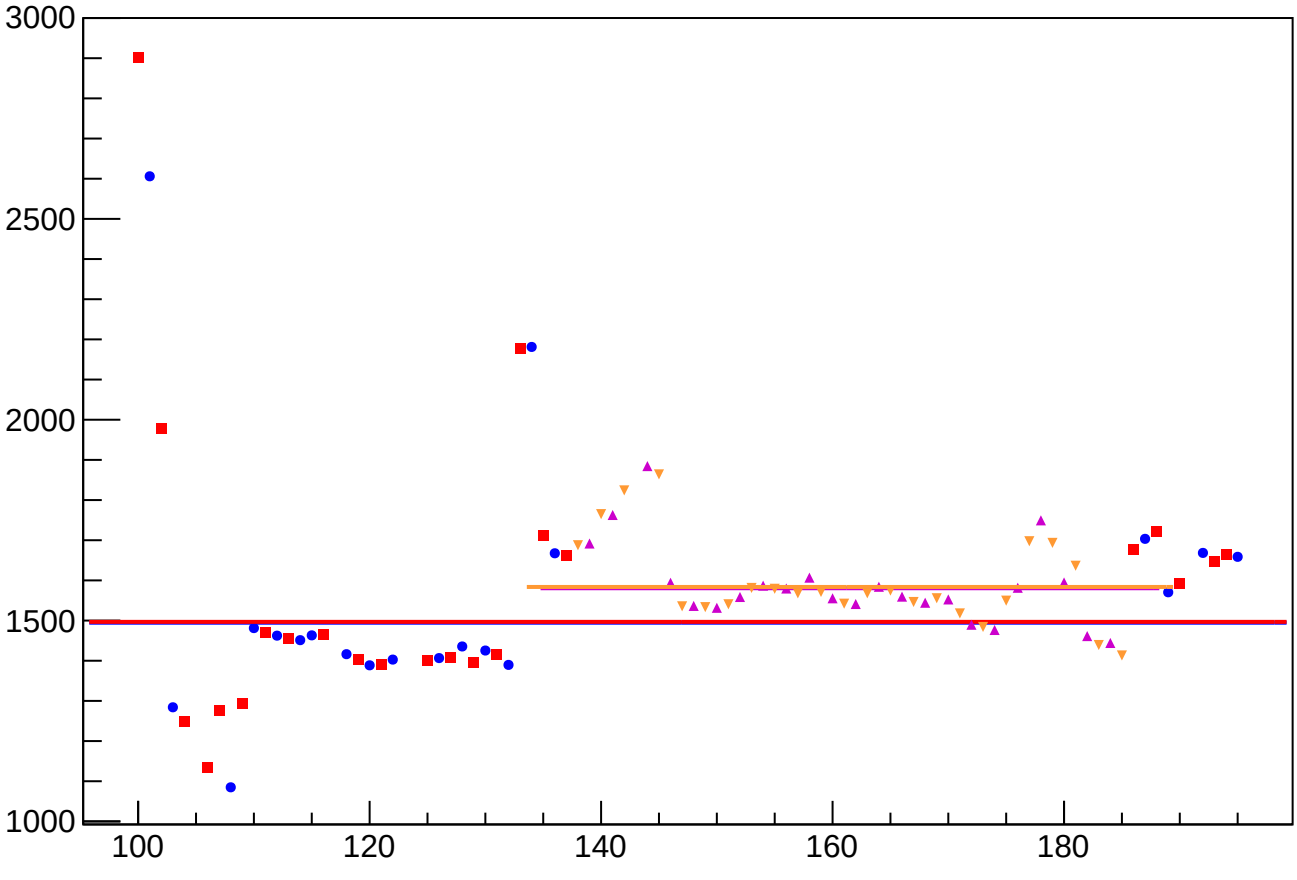
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 183.890+/-336.409 χ^2/NDF: 48.5/42

In: 141.331+/-293.975 χ^2/NDF:38.5/42

Out: 86.398+/-289.305 χ^2/NDF:56.0/46

All: 113.425+/-206.201 χ^2/NDF: 94.6/89



Right In: 1494.709+/-0.343 χ^2/NDF: 546498.7/19

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1496.781+/-0.330 χ^2/NDF: 431136.3/22

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

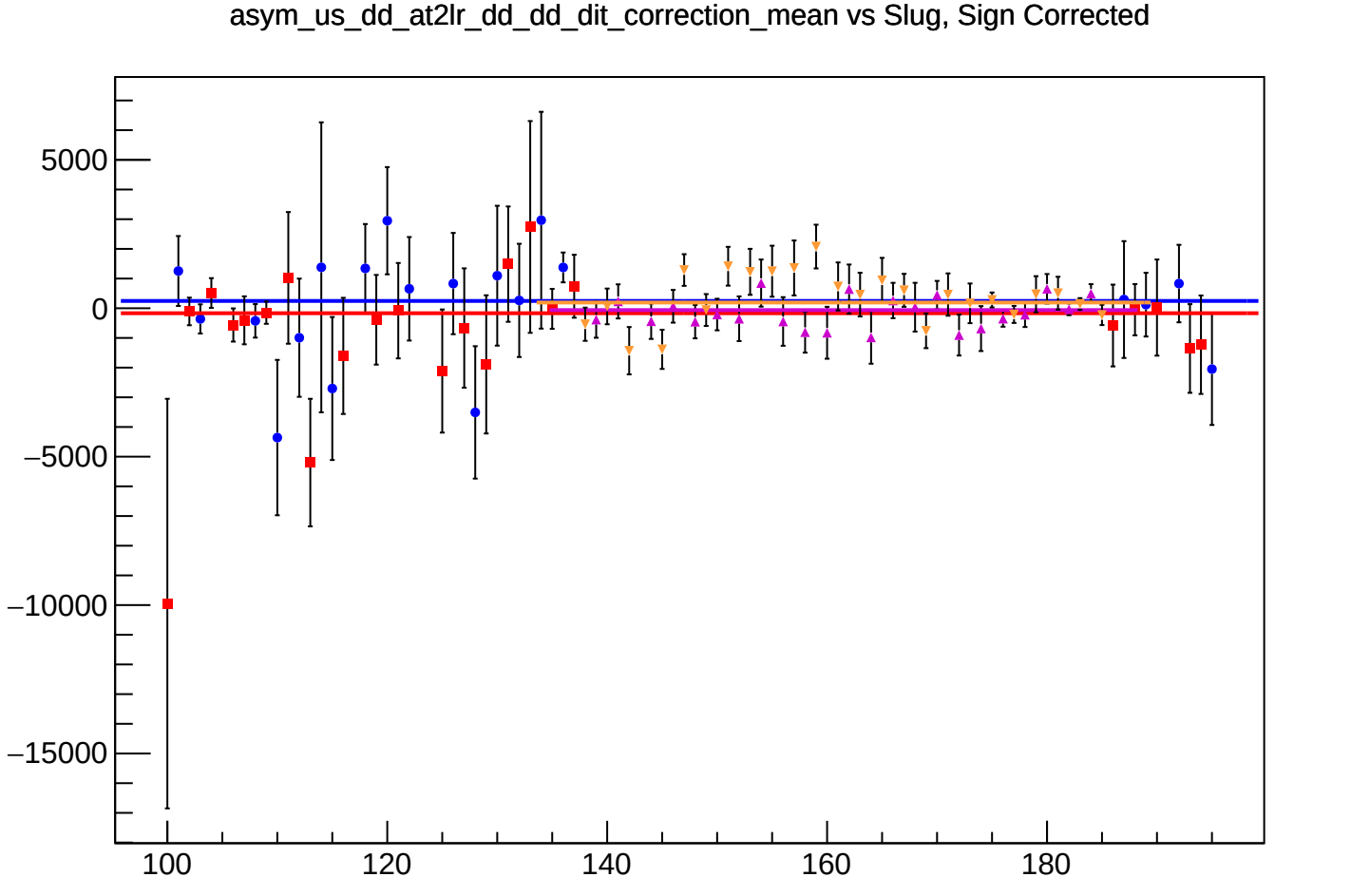
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1495.782+/-0.238 χ^2/NDF: 977653.9/42

In: 1548.908+/-0.208 χ^2/NDF:711825.4/42

Out: 1550.377+/-0.205 χ^2/NDF:607362.1/46

All: 1549.654+/-0.146 χ^2/NDF: 1319212.9/89



Right In: 246.269+/-244.510 χ^2/NDF: 21.9/19

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -167.383+/-185.337 χ^2/NDF: 15.6/22

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

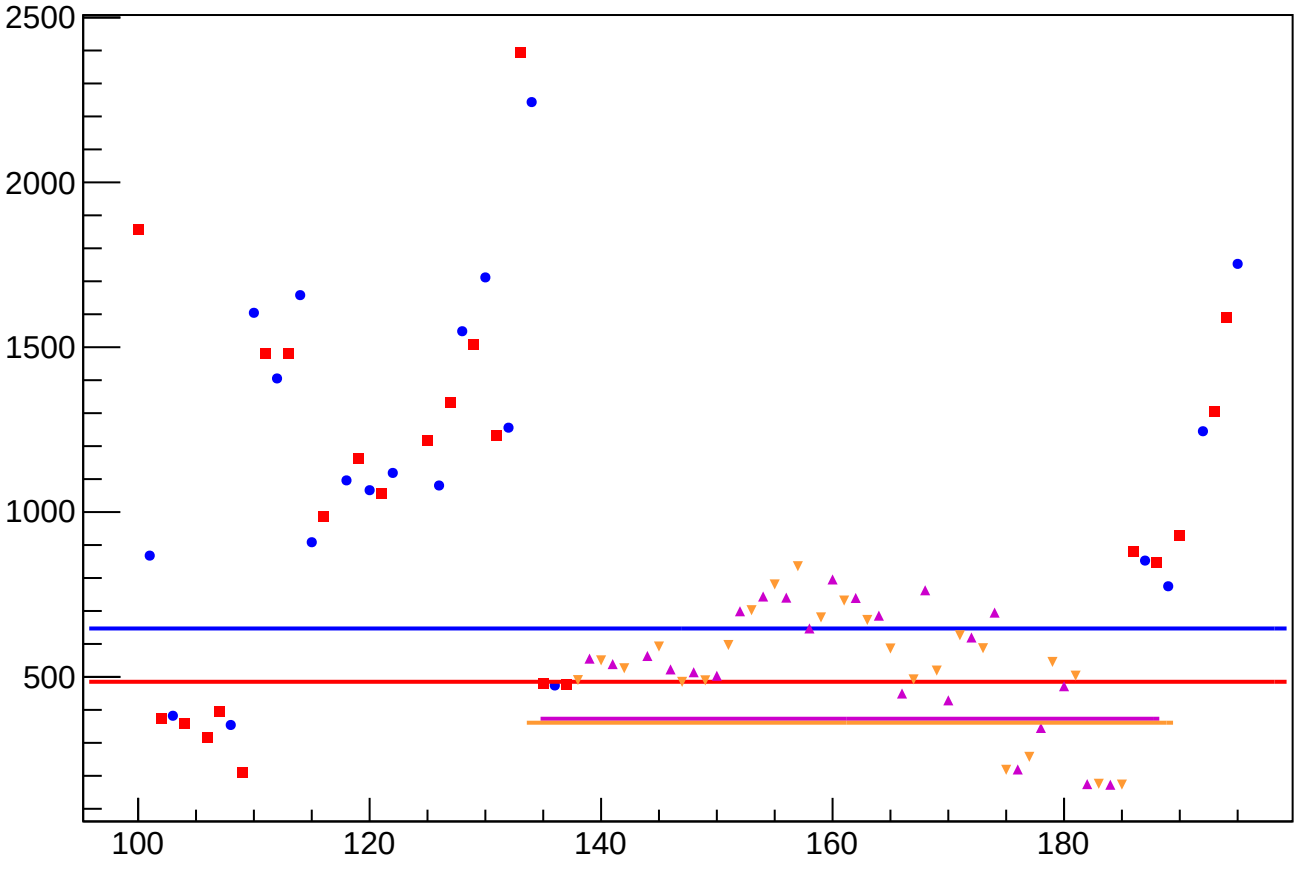
Right: -16.442+/-147.701 χ^2/NDF: 39.4/42

In: -18.197+/-92.334 χ^2/NDF:40.3/42

Out: 117.139+/-85.169 χ^2/NDF:58.7/46

All: 54.925+/-62.603 χ^2/NDF: 100.2/89

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 646.915+/-0.173 χ^2/NDF: 5139223.3/19

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 485.243+/-0.131 χ^2/NDF: 7216656.2/22

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

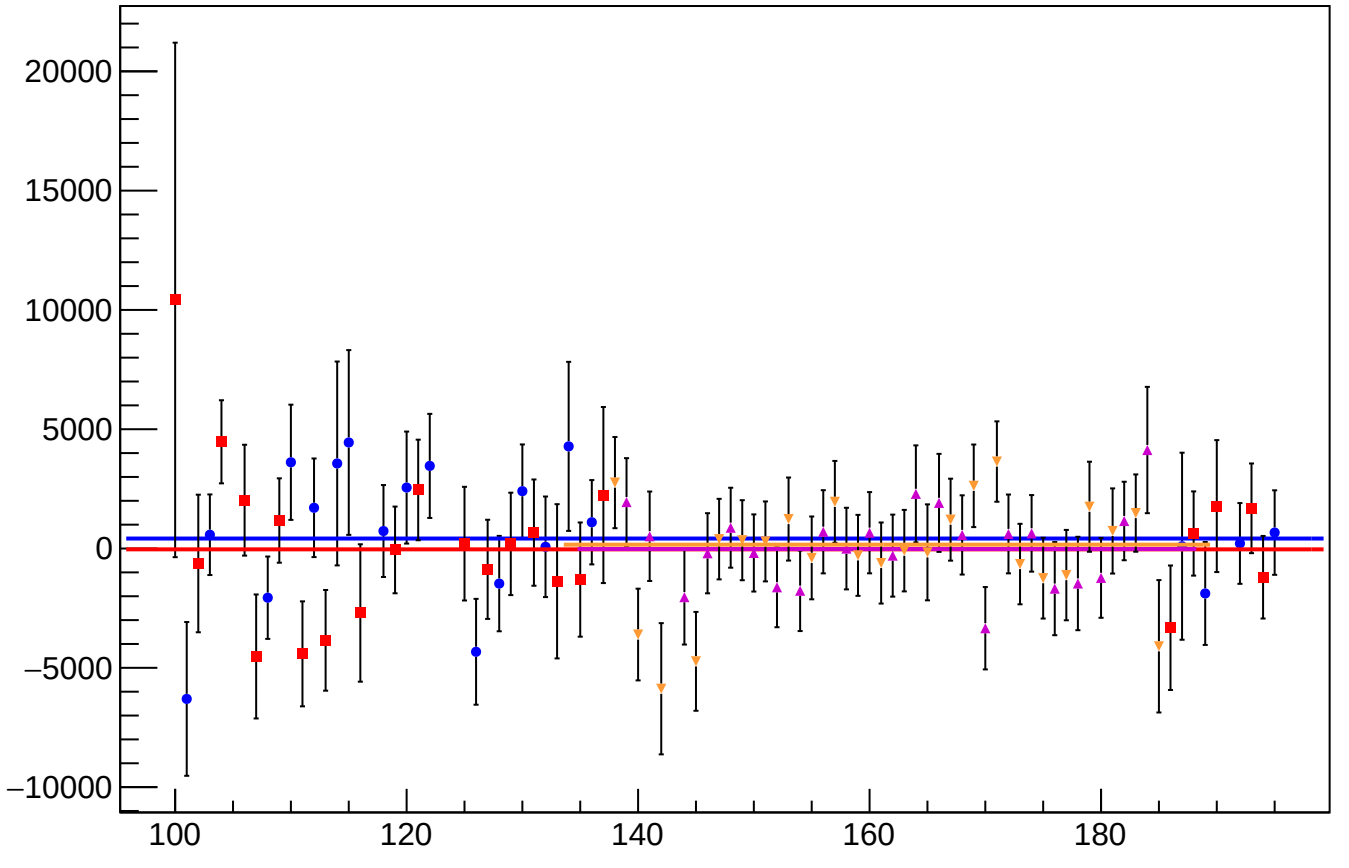
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 544.237+/-0.104 χ^2/NDF: 12911209.2/42

In: 412.181+/-0.065 χ^2/NDF:15496413.8/42

Out: 387.315+/-0.060 χ^2/NDF:16107614.7/46

All: 398.746+/-0.044 χ^2/NDF: 31682398.7/89



Right In: 418.859+/-484.617 χ^2/NDF: 22.0/19

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -34.639+/-467.359 χ^2/NDF: 26.0/22

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

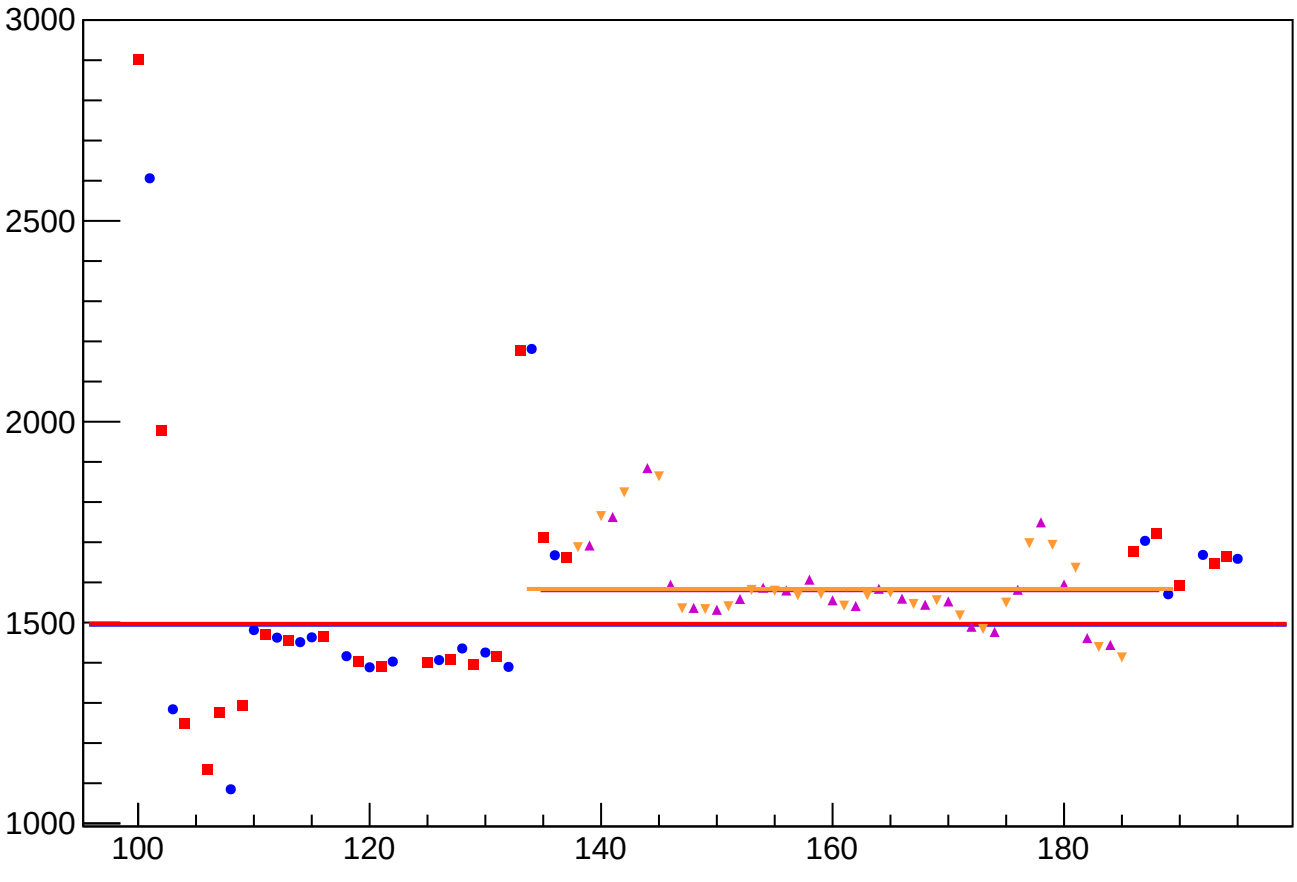
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 183.891+/-336.409 χ^2/NDF: 48.5/42

In: 141.332+/-293.975 χ^2/NDF:38.5/42

Out: 86.396+/-289.305 χ^2/NDF:56.0/46

All: 113.424+/-206.201 χ^2/NDF: 94.6/89



Right In: 1494.709+/-0.343 χ^2/NDF: 546498.3/19

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1496.781+/-0.330 χ^2/NDF: 431136.4/22

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

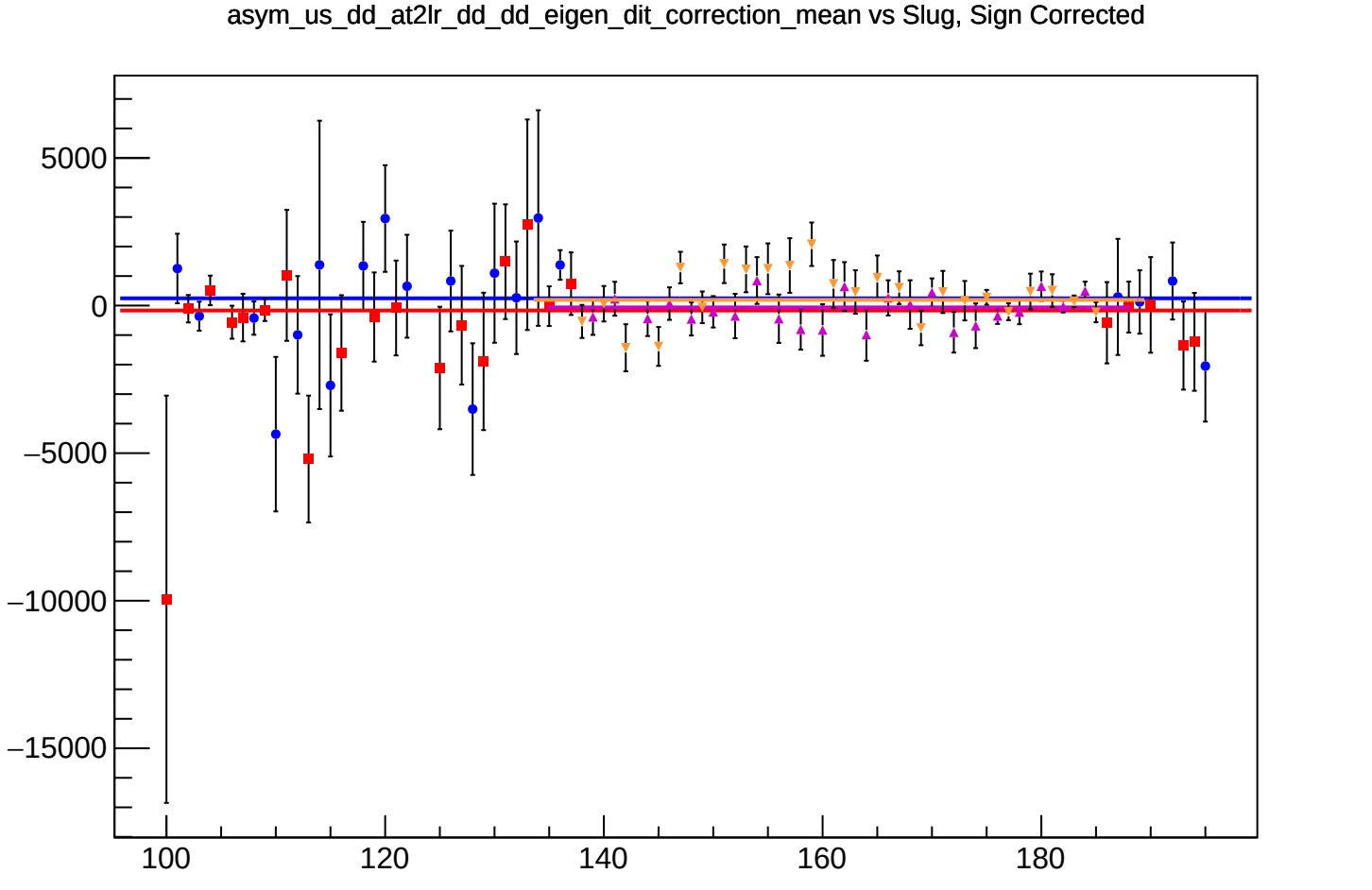
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1495.782+/-0.238 χ^2/NDF: 977653.6/42

In: 1548.908+/-0.208 χ^2/NDF:711824.6/42

Out: 1550.377+/-0.205 χ^2/NDF:607362.3/46

All: 1549.654+/-0.146 χ^2/NDF: 1319212.3/89



Right In: 246.263+/-244.510 χ^2/NDF: 21.9/19

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -167.380+/-185.339 χ^2/NDF: 15.6/22

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

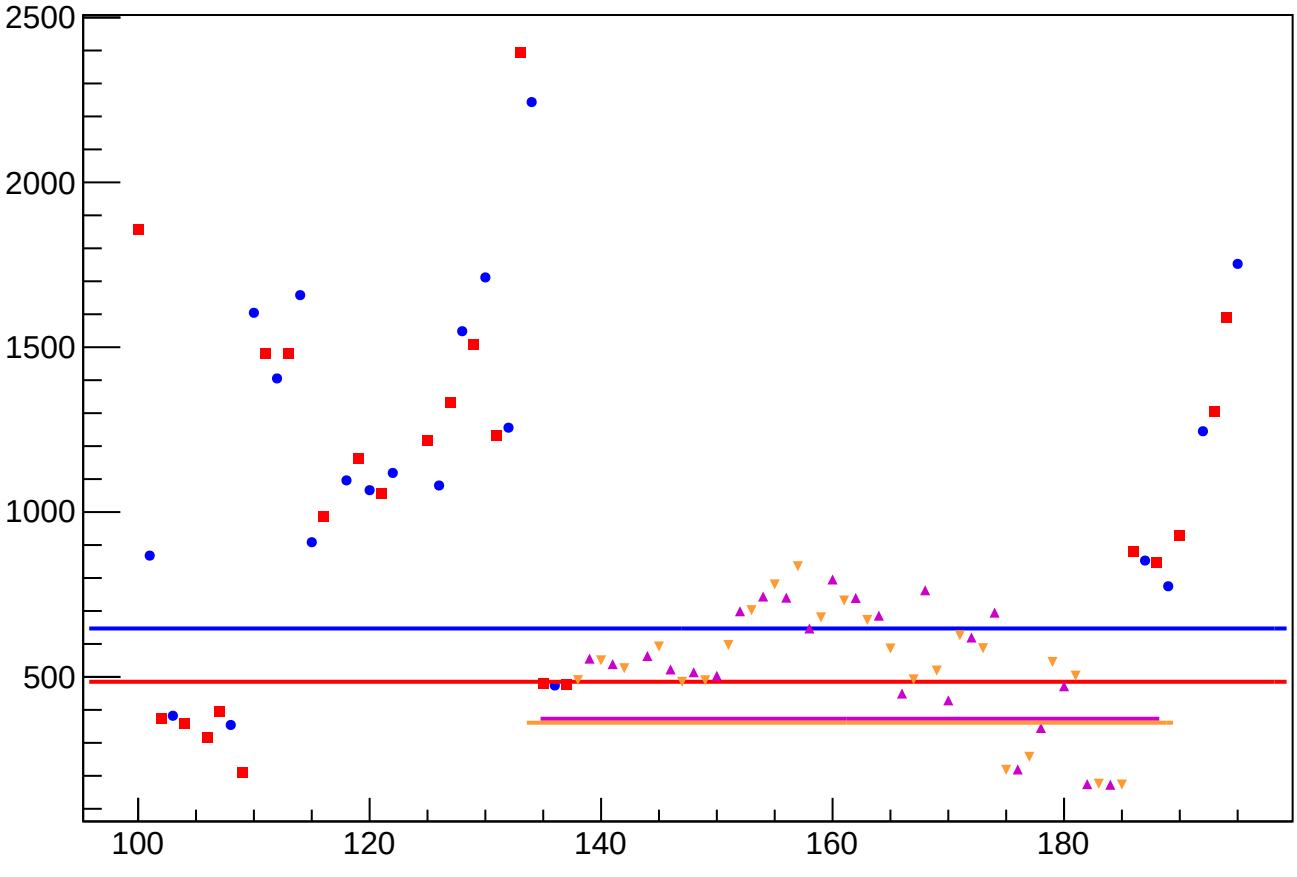
Right: -16.440+/-147.702 χ^2/NDF: 39.4/42

In: -18.195+/-92.334 χ^2/NDF:40.3/42

Out: 117.144+/-85.169 χ^2/NDF:58.7/46

All: 54.929+/-62.604 χ^2/NDF: 100.2/89

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 646.914+/-0.173 χ^2/NDF: 5139250.3/19

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 485.249+/-0.131 χ^2/NDF: 7216547.9/22

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

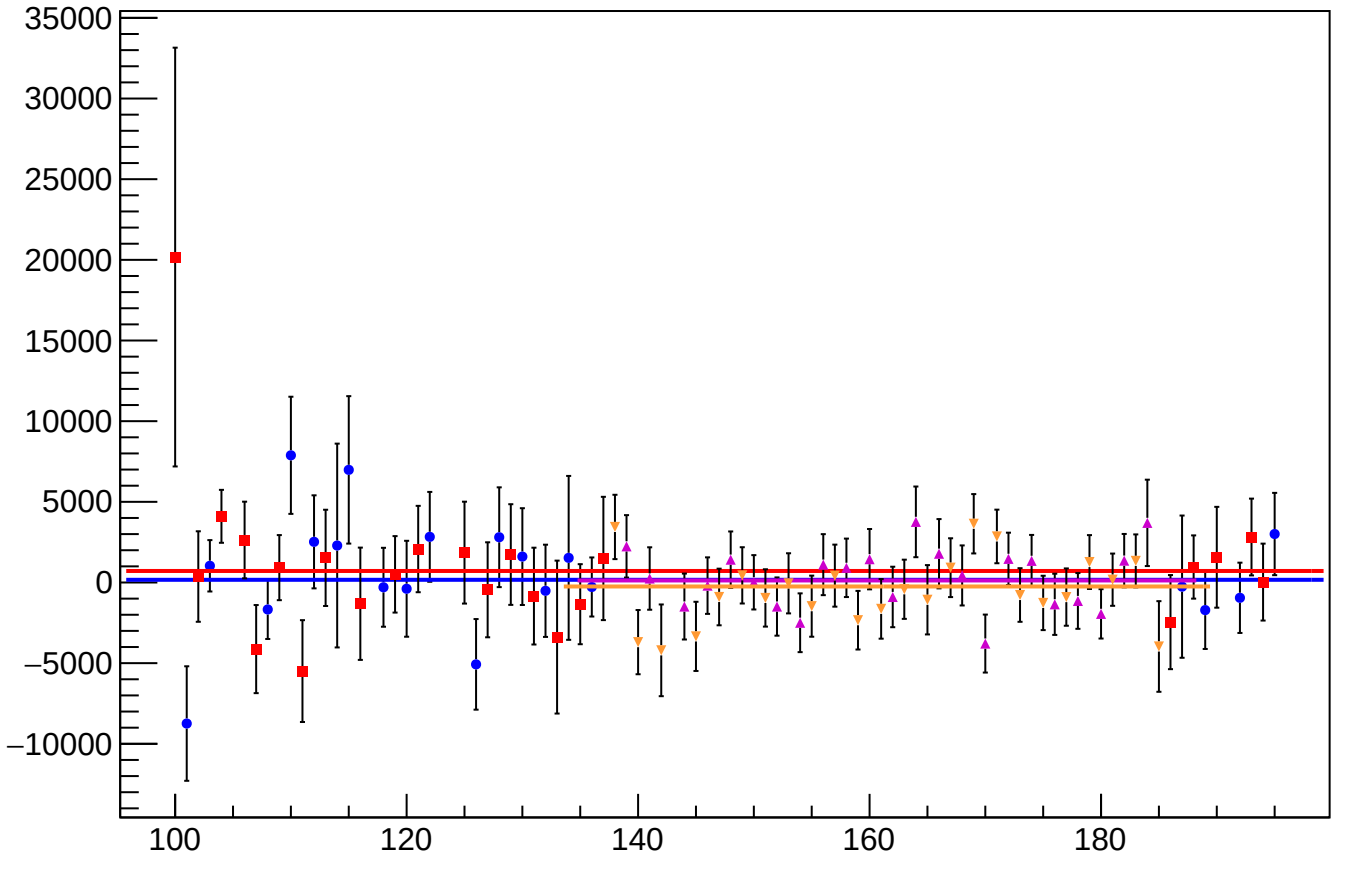
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 544.241+/-0.104 χ^2/NDF: 12911072.9/42

In: 412.186+/-0.065 χ^2/NDF:15496097.3/42

Out: 387.319+/-0.060 χ^2/NDF:16107368.3/46

All: 398.750+/-0.044 χ^2/NDF: 31681837.3/89



Right In: 166.842+/-593.299 χ^2/NDF: 22.9/19

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 714.216+/-557.986 χ^2/NDF: 19.2/22

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

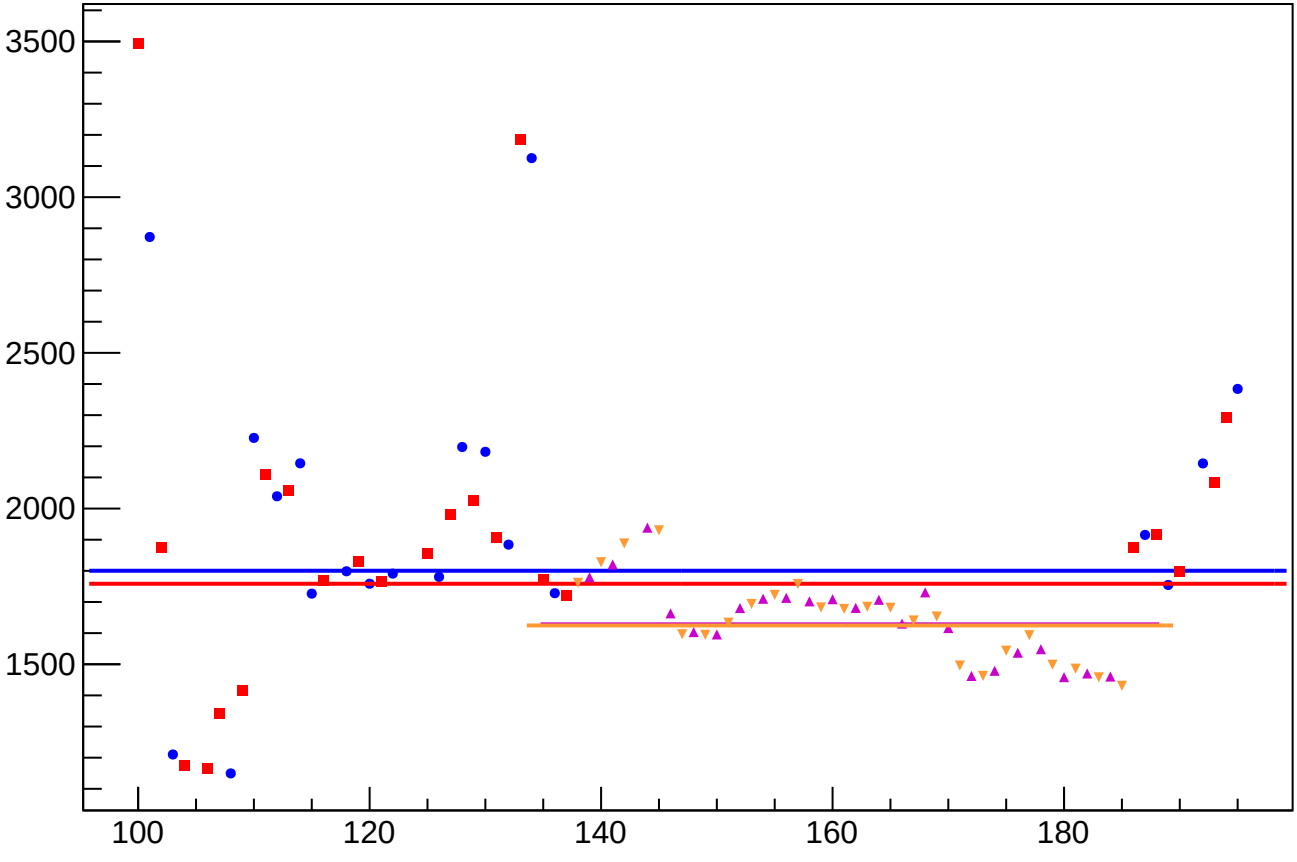
Right: 457.303+/-406.466 χ^2/NDF: 42.5/42

In: 138.019+/-320.771 χ^2/NDF:44.1/42

Out: 55.532+/-313.078 χ^2/NDF:47.2/46

All: 95.775+/-224.050 χ^2/NDF: 91.3/89

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1800.278+/-0.420 χ^2/NDF: 1121940.3/19

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1758.490+/-0.395 χ^2/NDF: 935903.4/22

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

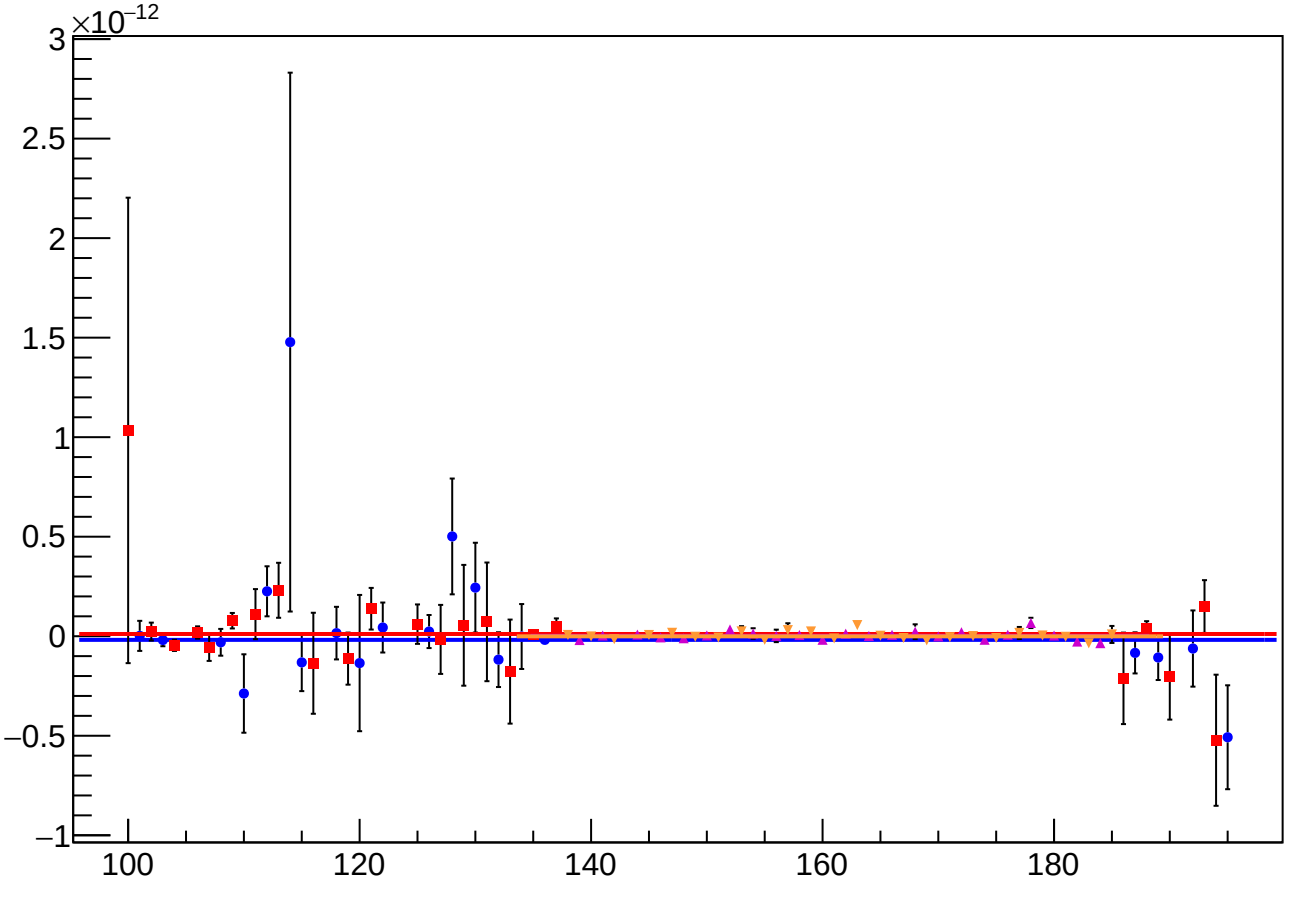
Right: 1778.103+/-0.287 χ^2/NDF: 2063108.8/42

In: 1678.515+/-0.227 χ^2/NDF:1445855.5/42

Out: 1666.761+/-0.221 χ^2/NDF:1222045.7/46

All: 1672.495+/-0.158 χ^2/NDF: 2669276.6/89

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/22

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

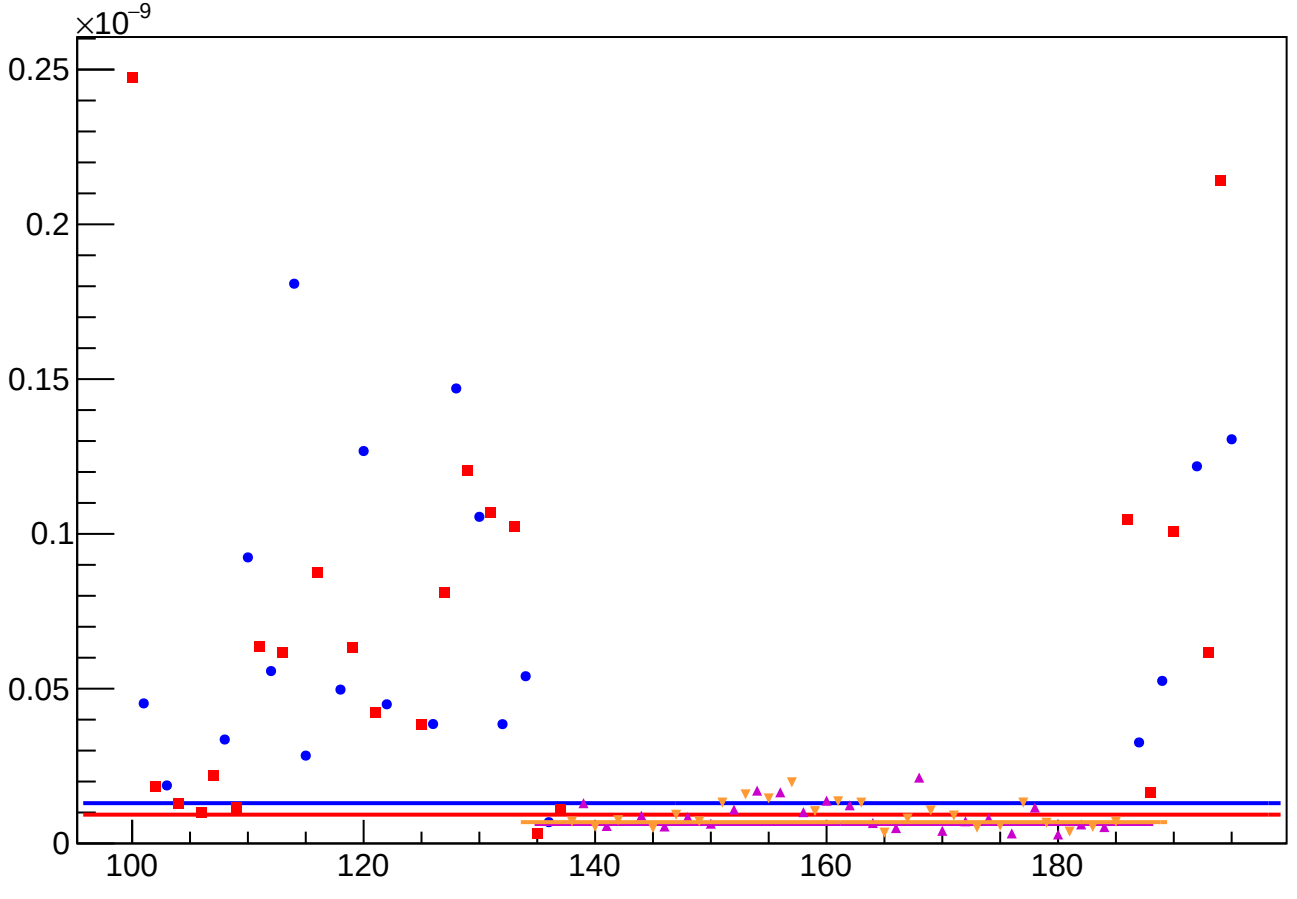
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 45.6/42

In: 0.000+/-0.000 χ^2/NDF:45.8/42

Out: 0.000+/-0.000 χ^2/NDF:47.0/46

All: 0.000+/-0.000 χ^2/NDF: 92.8/89



Right In: 0.000+/-0.000 χ^2/NDF: 4813183.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5411209.8/22

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

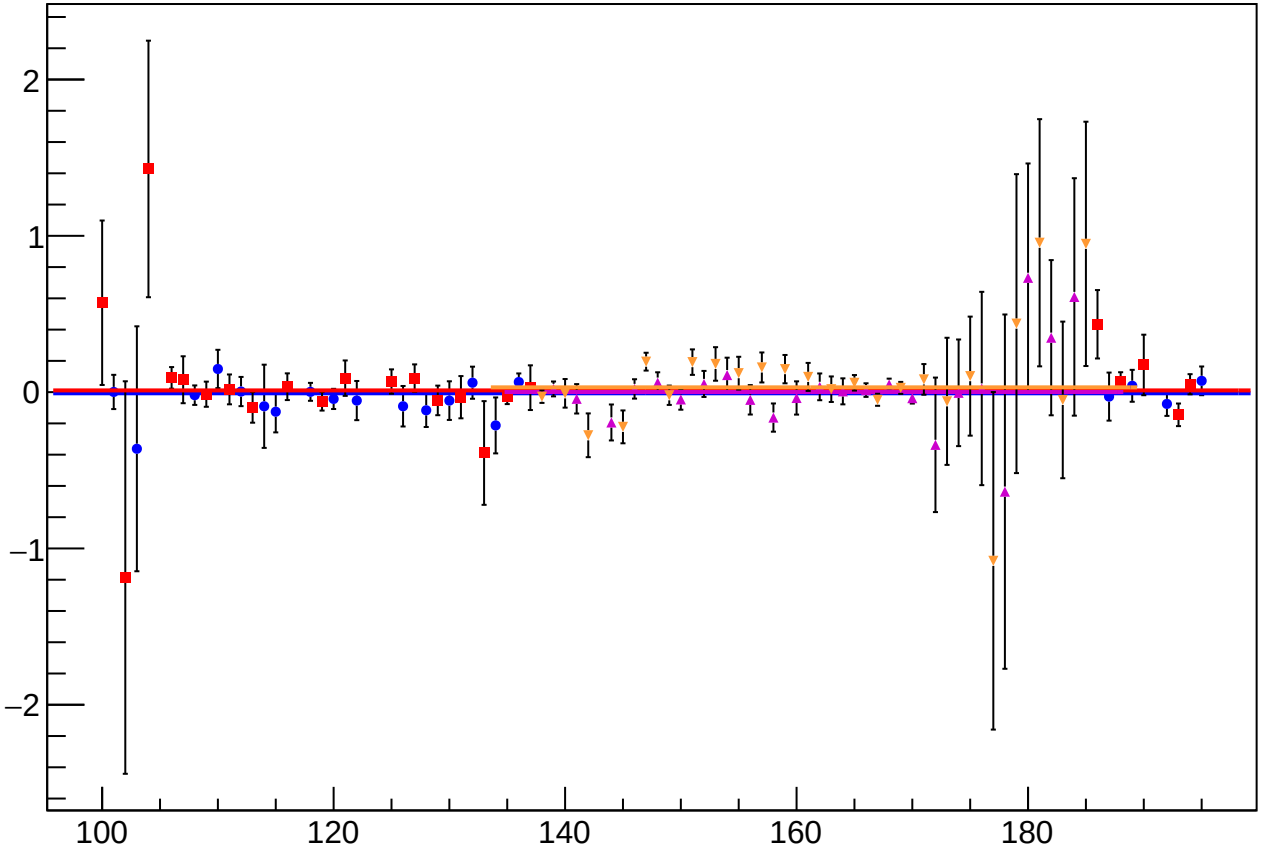
Right: 0.000+/-0.000 χ^2/NDF: 10383083.9/42

In: 0.000+/-0.000 χ^2/NDF:8521495.0/42

Out: 0.000+/-0.000 χ^2/NDF:7814653.7/46

All: 0.000+/-0.000 χ^2/NDF: 16357391.6/89

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

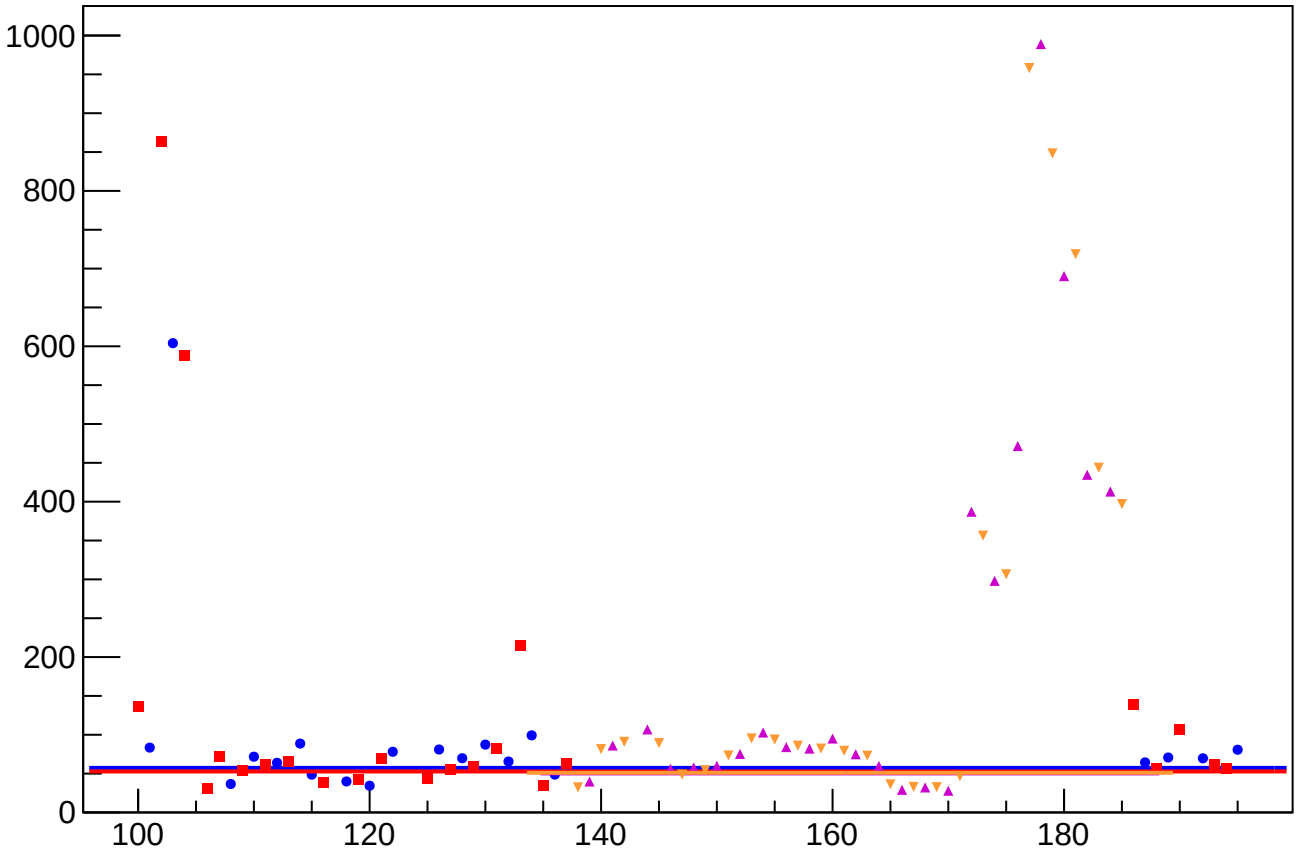
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.003+/-0.014 χ^2/NDF: 34.6/42

In: -0.002+/-0.012 χ^2/NDF:26.2/42

Out: 0.023+/-0.012 χ^2/NDF:66.2/46

All: 0.011+/-0.009 χ^2/NDF: 94.5/89



Right In: 57.370+/-0.015 χ^2/NDF: 2478357.8/19

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 52.759+/-0.013 χ^2/NDF: 3568851.6/22

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

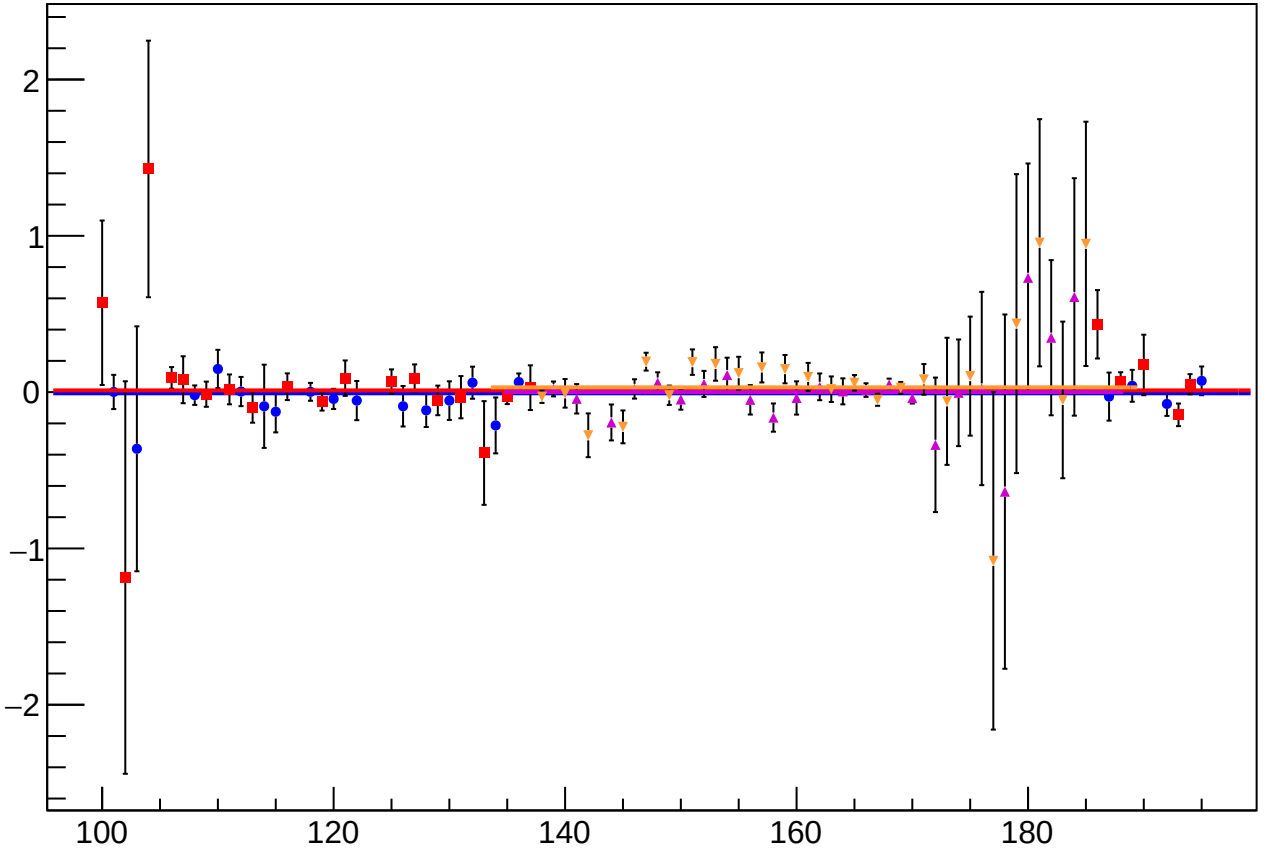
Right: 54.848+/-0.010 χ^2/NDF: 6100695.4/42

In: 52.733+/-0.009 χ^2/NDF:14825911.7/42

Out: 51.751+/-0.008 χ^2/NDF:15314890.4/46

All: 52.229+/-0.006 χ^2/NDF: 30147331.3/89

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

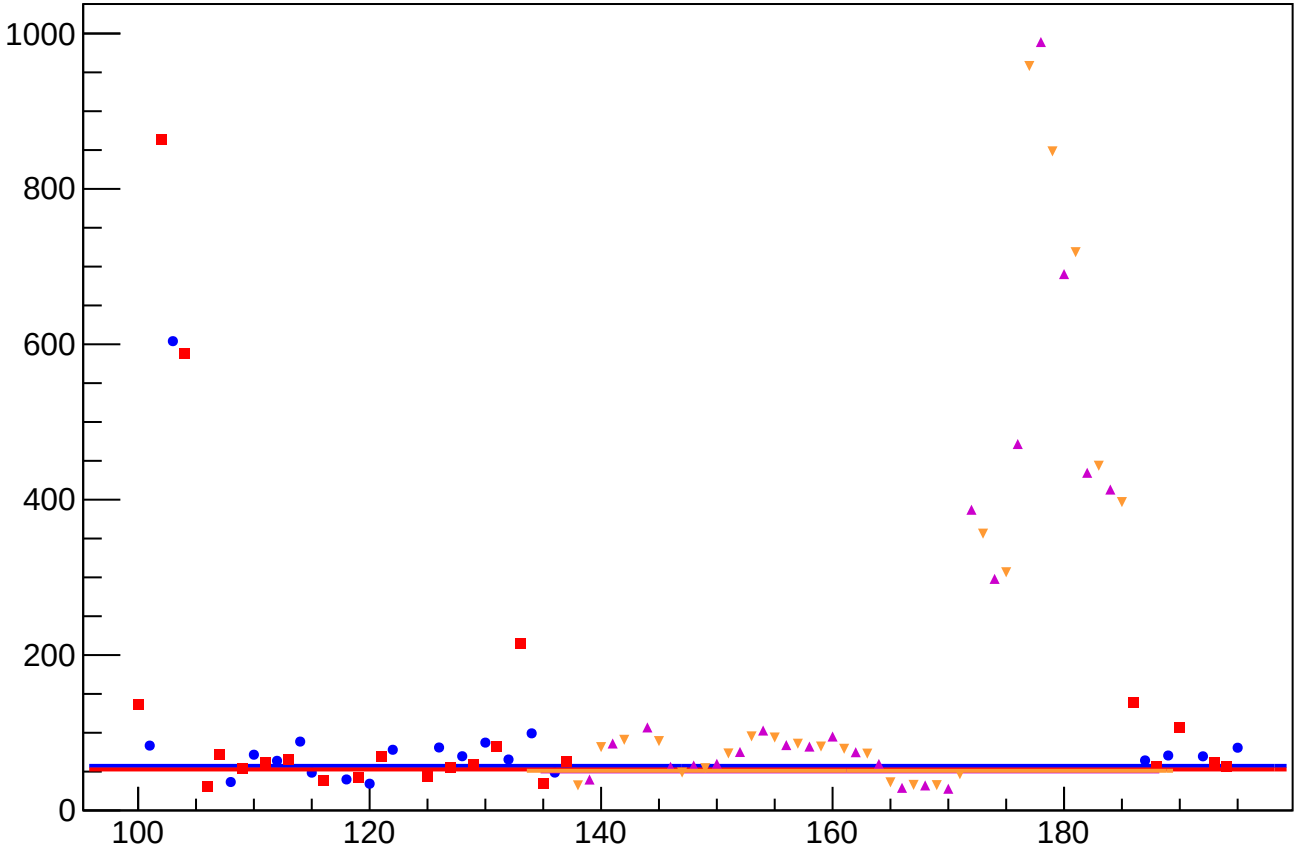
Right: 0.003+/-0.014 χ^2/NDF: 34.6/42

In: -0.002+/-0.012 χ^2/NDF:26.2/42

Out: 0.023+/-0.012 χ^2/NDF:66.2/46

All: 0.011+/-0.009 χ^2/NDF: 94.5/89

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.370+/-0.015 χ^2/NDF: 2478357.8/19

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 52.759+/-0.013 χ^2/NDF: 3568851.6/22

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

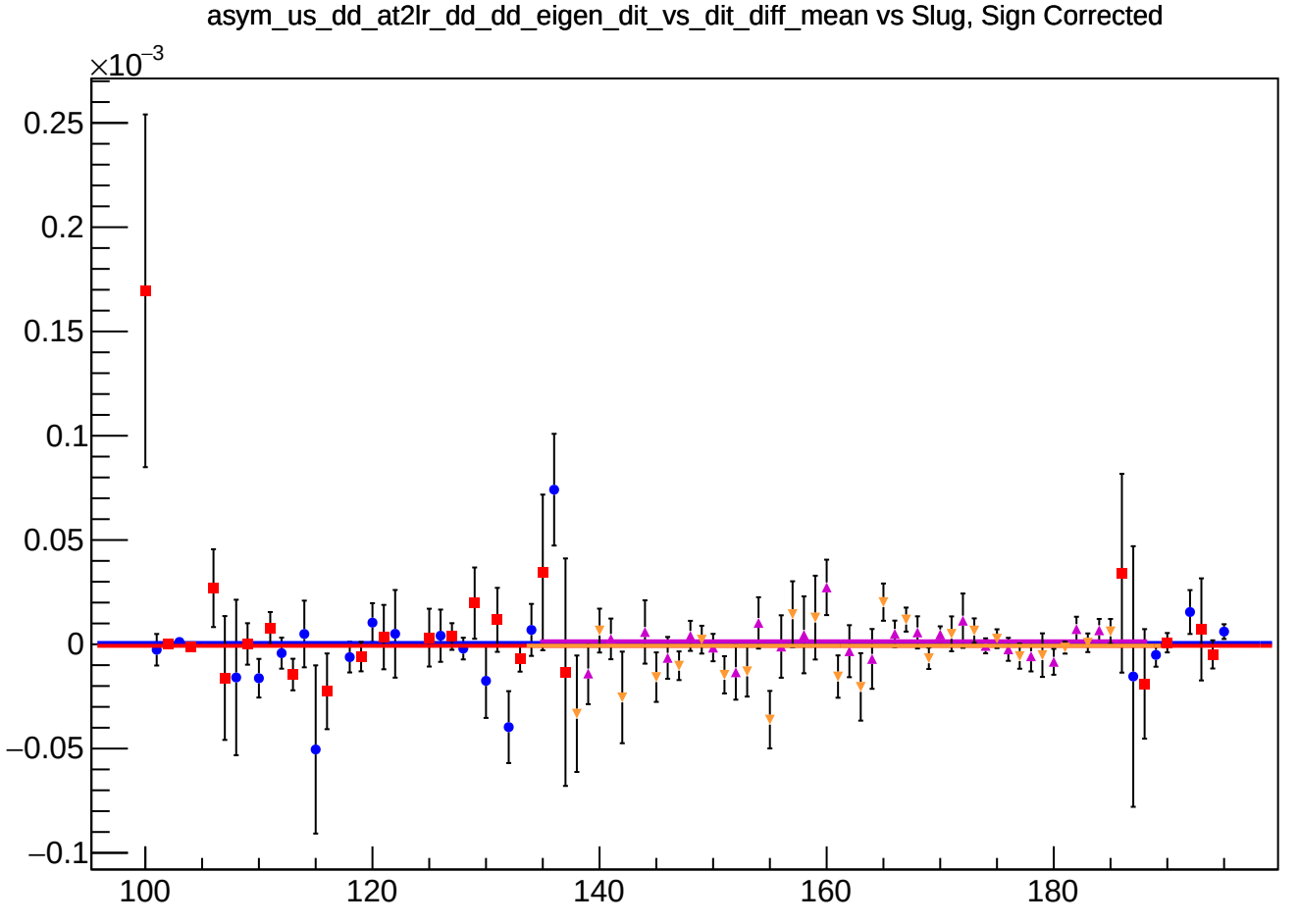
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 54.848+/-0.010 χ^2/NDF: 6100695.4/42

In: 52.733+/-0.009 χ^2/NDF:14825911.7/42

Out: 51.751+/-0.008 χ^2/NDF:15314890.4/46

All: 52.229+/-0.006 χ^2/NDF: 30147331.3/89



Right In: 0.000+/-0.000 χ^2/NDF: 28.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/22

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

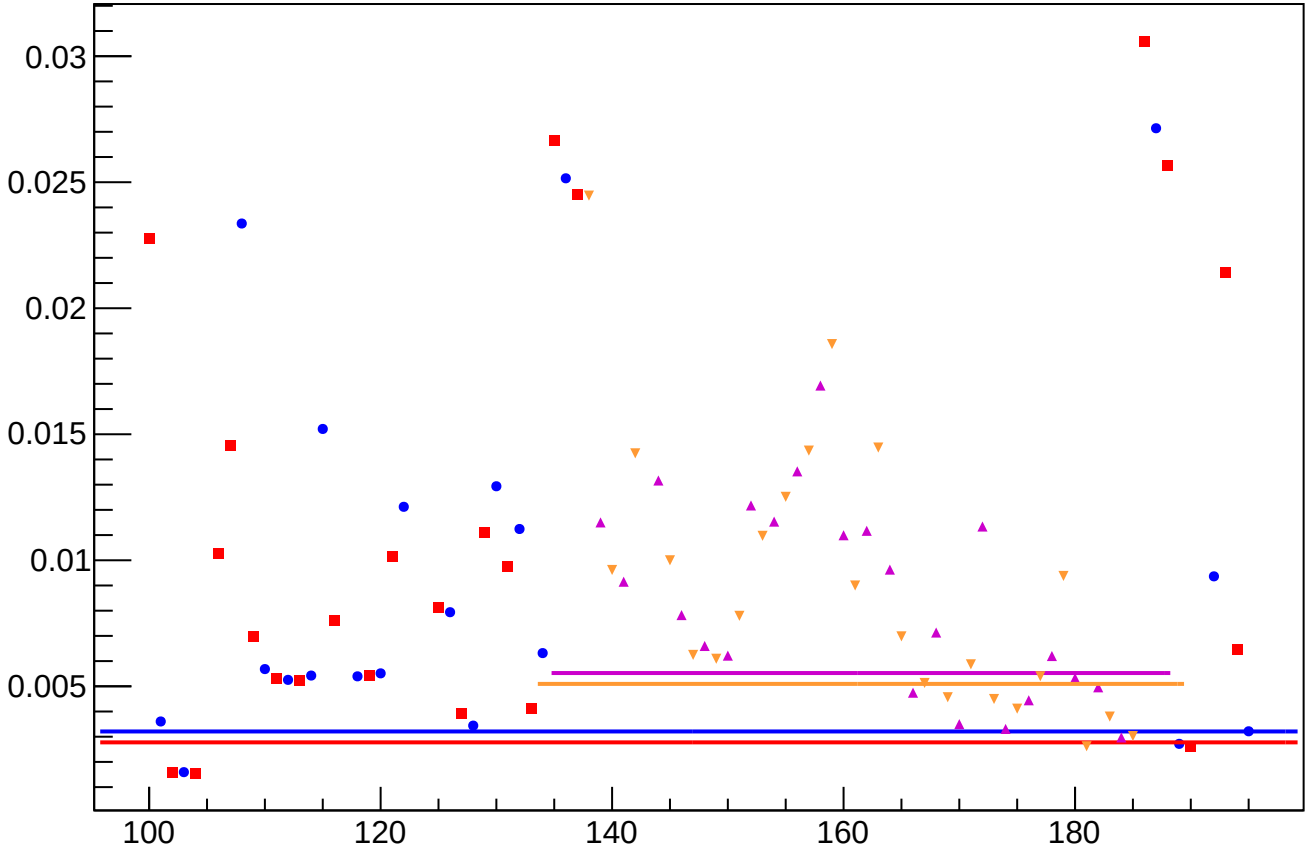
Right: -0.000+/-0.000 χ^2/NDF: 47.9/42

In: 0.000+/-0.000 χ^2/NDF:44.6/42

Out: -0.000+/-0.000 χ^2/NDF:57.9/46

All: 0.000+/-0.000 χ^2/NDF: 104.0/89

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6784035.8/19

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10260830.6/22

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

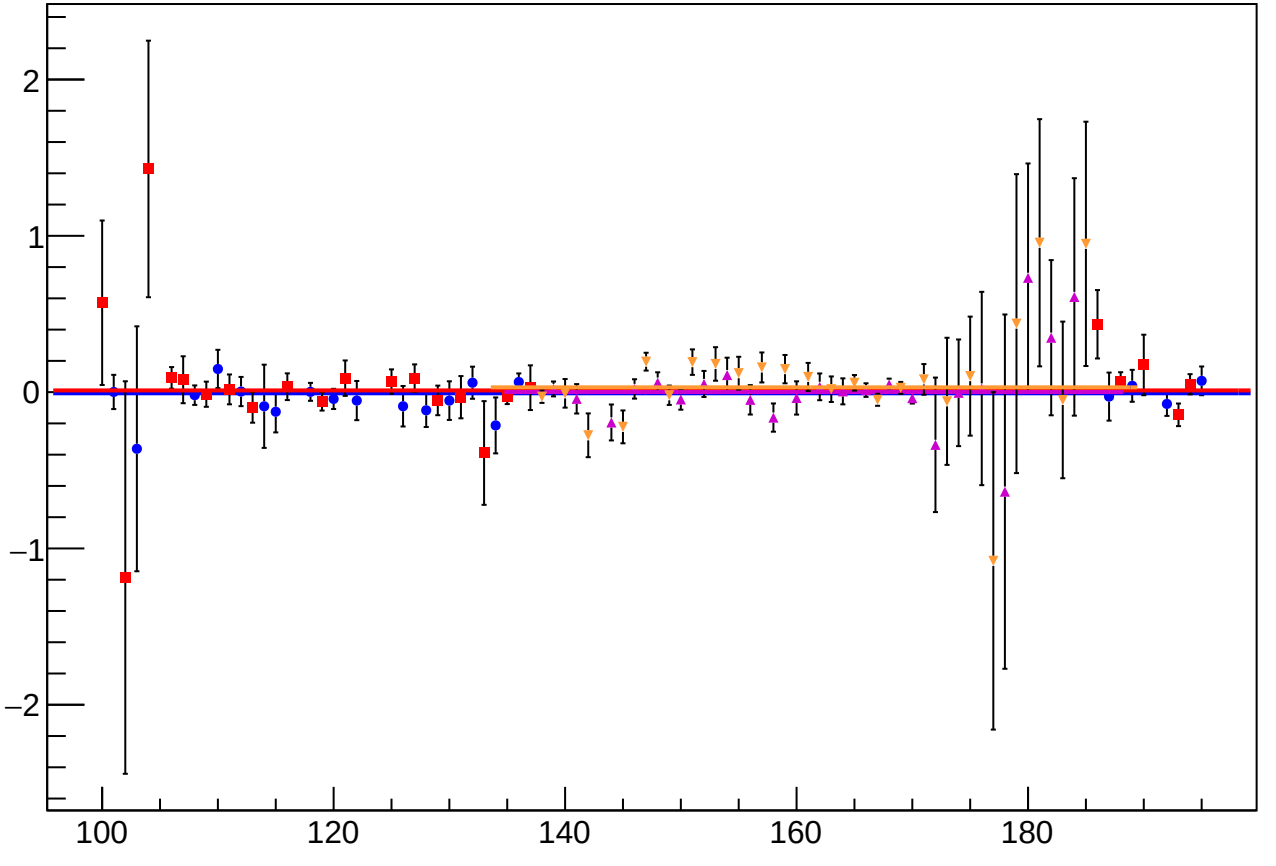
Right: 0.003+/-0.000 χ^2/NDF: 17153814.6/42

In: 0.004+/-0.000 χ^2/NDF:16191300.0/42

Out: 0.004+/-0.000 χ^2/NDF:21825263.8/46

All: 0.004+/-0.000 χ^2/NDF: 38307450.2/89

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

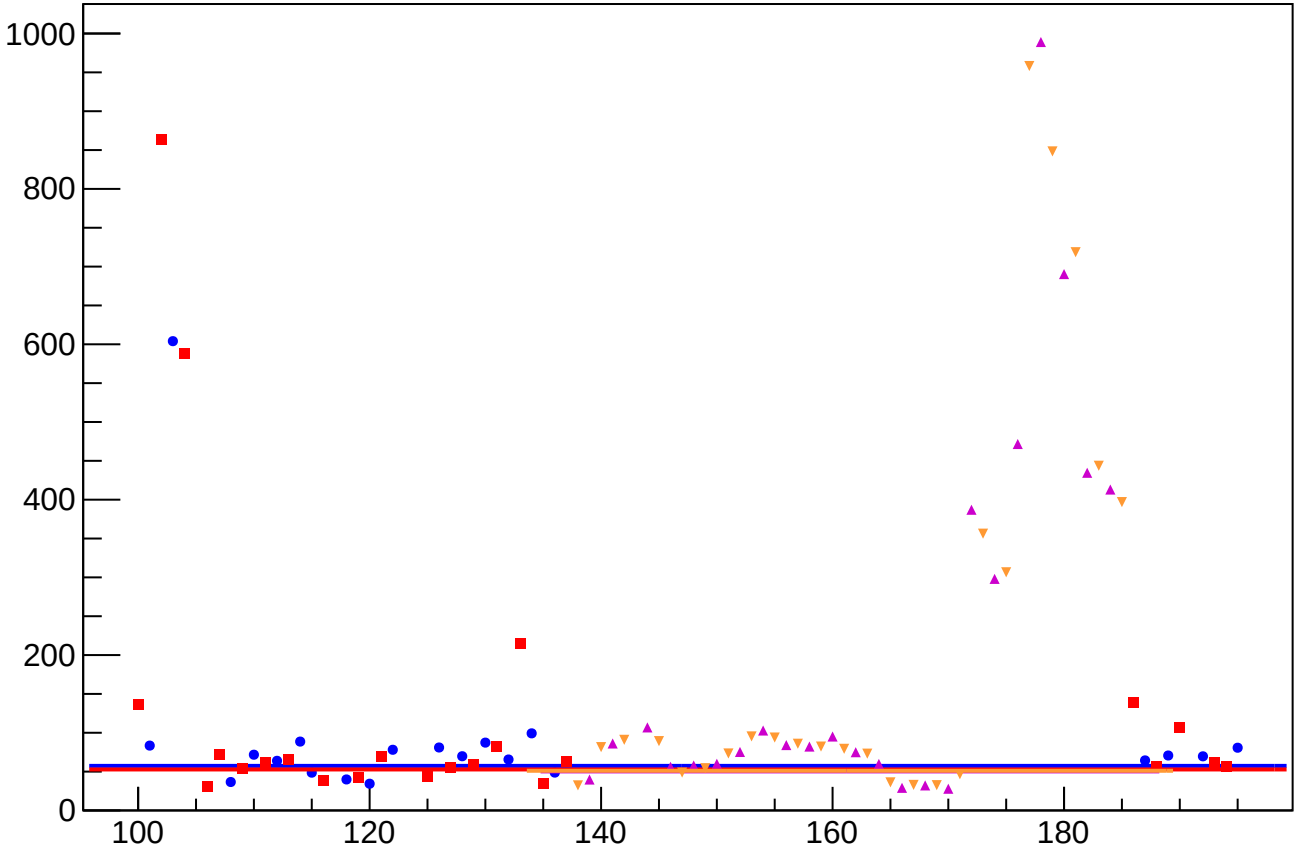
Right: 0.003+/-0.014 χ^2/NDF: 34.6/42

In: -0.002+/-0.012 χ^2/NDF:26.2/42

Out: 0.023+/-0.012 χ^2/NDF:66.2/46

All: 0.011+/-0.009 χ^2/NDF: 94.5/89

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.373+/-0.015 χ^2/NDF: 2477877.2/19

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.761+/-0.013 χ^2/NDF: 3568521.9/22

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

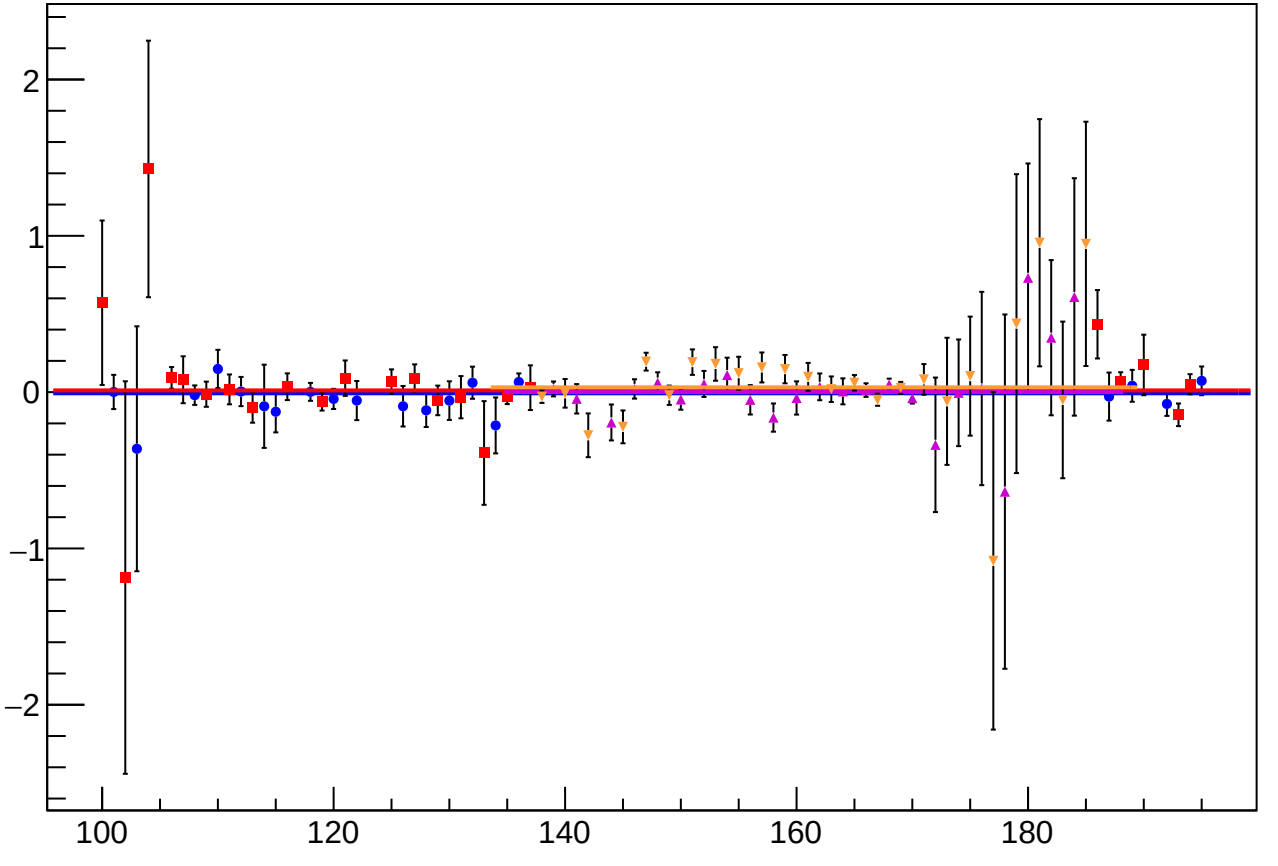
Right: 54.850+/-0.010 χ^2/NDF: 6099907.4/42

In: 52.734+/-0.009 χ^2/NDF:14825491.4/42

Out: 51.754+/-0.008 χ^2/NDF:15313723.3/46

All: 52.231+/-0.006 χ^2/NDF: 30145726.5/89

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/19

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

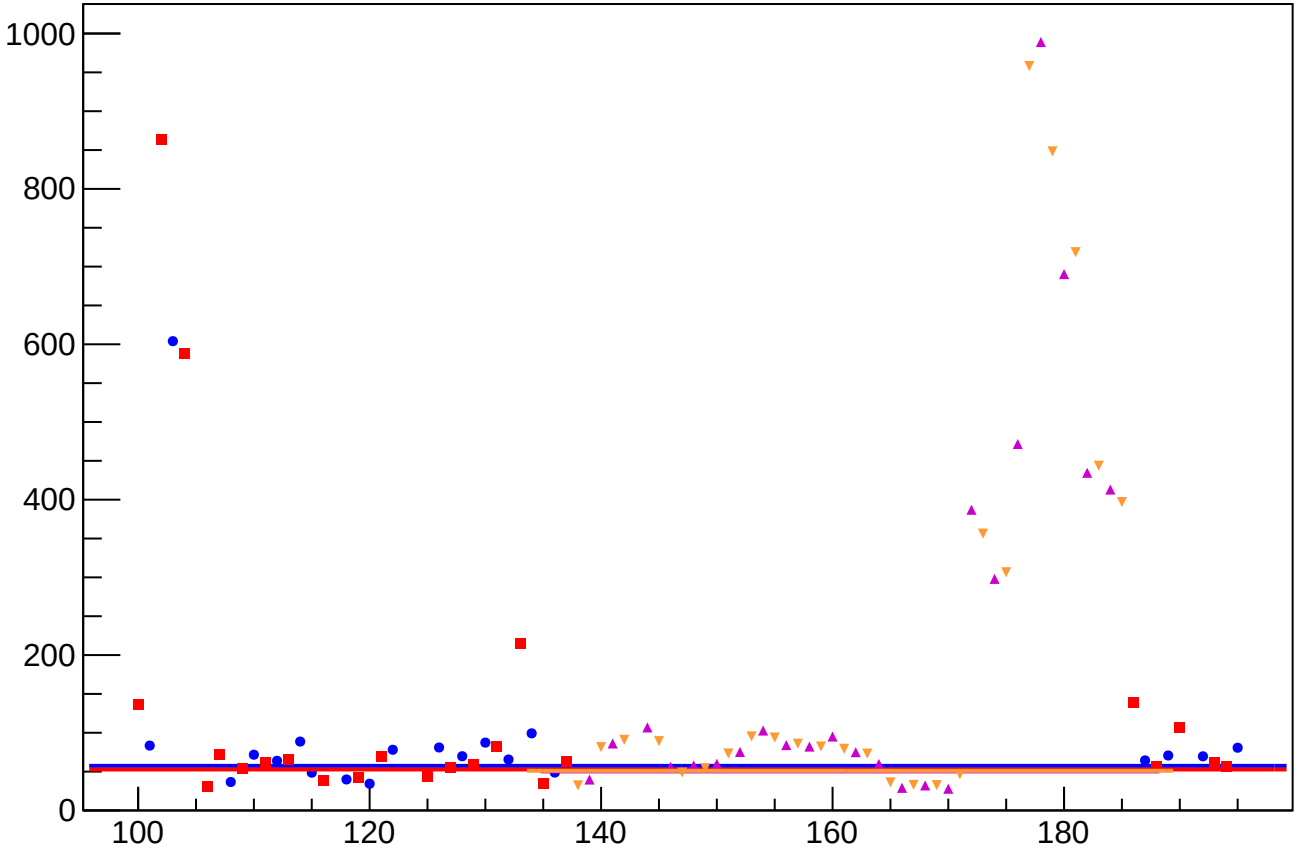
Right: 0.003+/-0.014 χ^2/NDF: 34.6/42

In: -0.002+/-0.012 χ^2/NDF:26.2/42

Out: 0.023+/-0.012 χ^2/NDF:66.2/46

All: 0.011+/-0.009 χ^2/NDF: 94.5/89

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.373+/-0.015 χ^2/NDF: 2477877.2/19

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.761+/-0.013 χ^2/NDF: 3568521.9/22

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

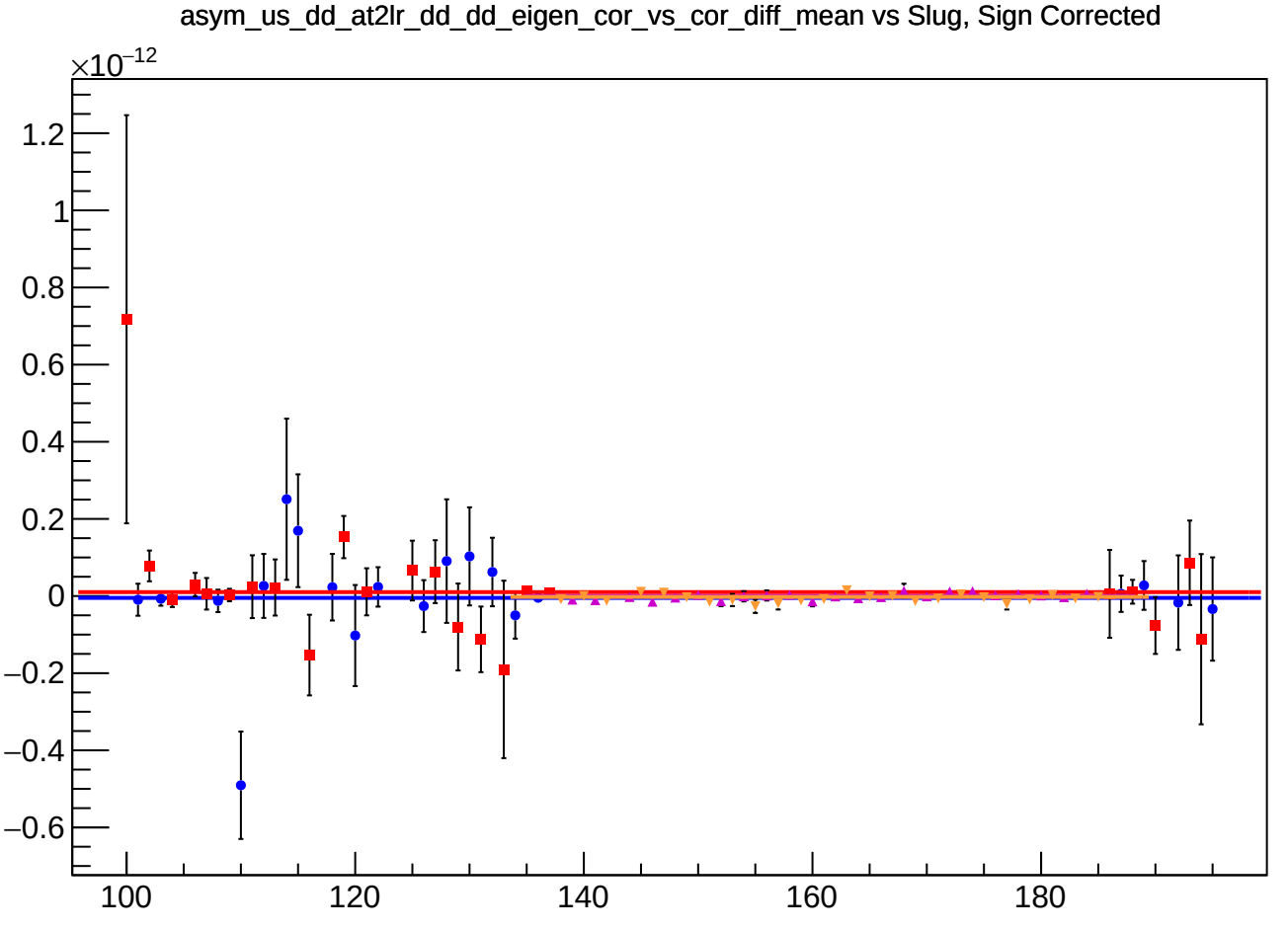
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 54.850+/-0.010 χ^2/NDF: 6099907.4/42

In: 52.734+/-0.009 χ^2/NDF:14825491.4/42

Out: 51.754+/-0.008 χ^2/NDF:15313723.3/46

All: 52.231+/-0.006 χ^2/NDF: 30145726.5/89



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/22

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

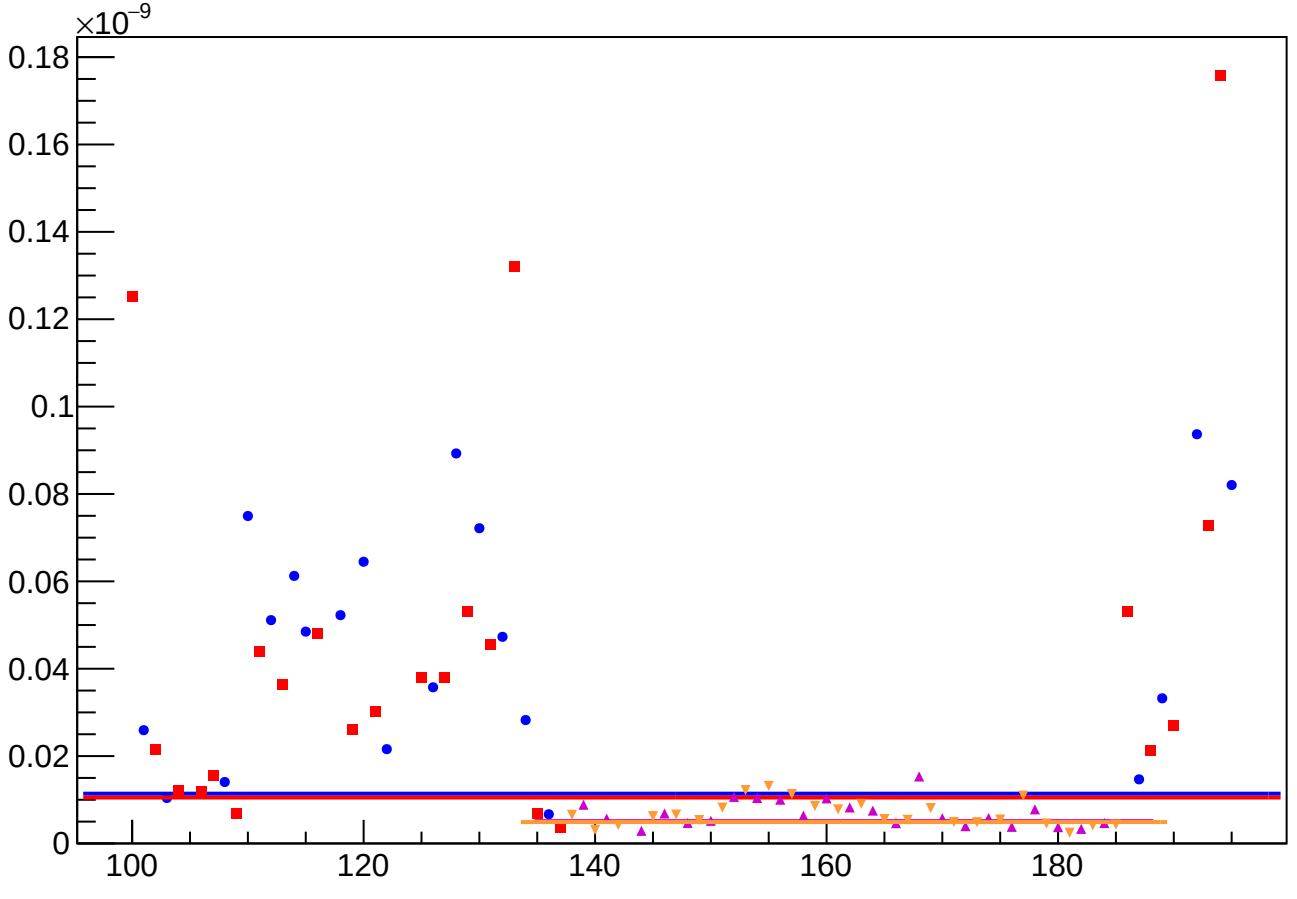
Right: 0.000+/-0.000 χ^2/NDF: 43.9/42

In: -0.000+/-0.000 χ^2/NDF:37.6/42

Out: -0.000+/-0.000 χ^2/NDF:48.2/46

All: -0.000+/-0.000 χ^2/NDF: 86.2/89

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: 6289683.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6474085.3/22

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

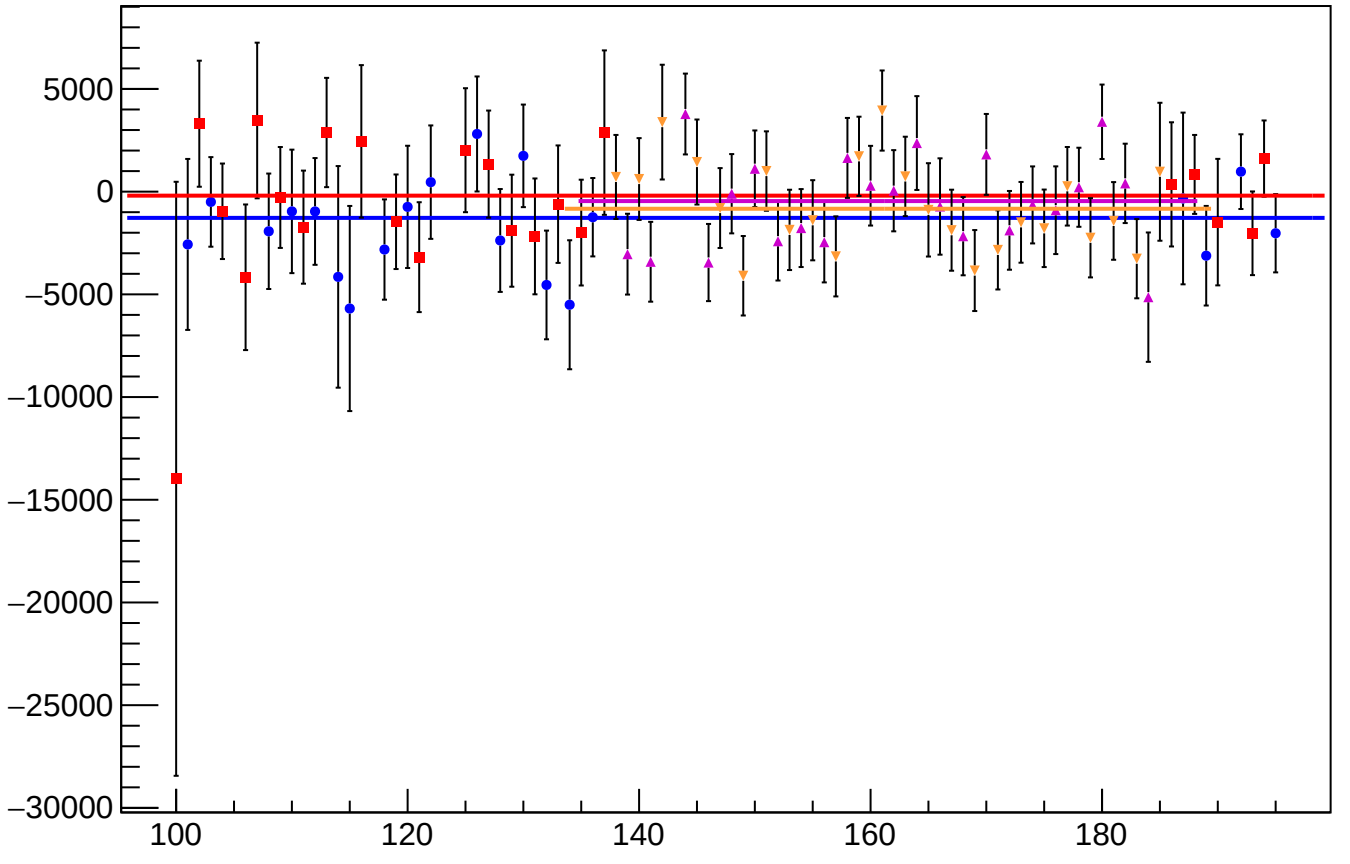
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 12782232.4/42

In: 0.000+/-0.000 χ^2/NDF:11734359.9/42

Out: 0.000+/-0.000 χ^2/NDF:12300261.8/46

All: 0.000+/-0.000 χ^2/NDF: 24057199.8/89



Right In: -1276.836+/-586.072 χ^2/NDF: 11.6/19

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -194.680+/-562.955 χ^2/NDF: 13.3/22

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

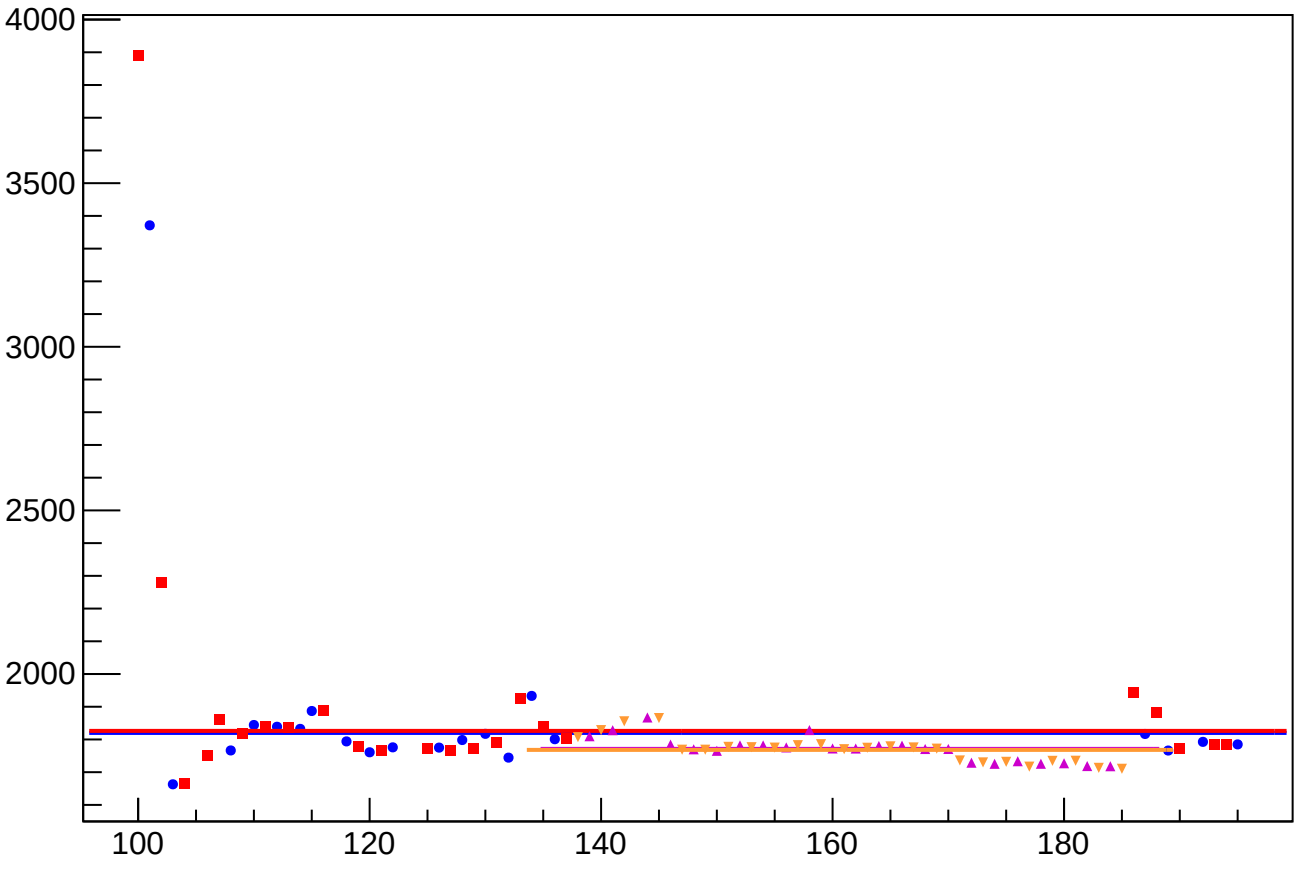
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -713.995+/-405.996 χ^2/NDF: 26.7/42

In: -731.326+/-337.945 χ^2/NDF:40.2/42

Out: -611.180+/-331.656 χ^2/NDF:39.6/46

All: -670.124+/-236.708 χ^2/NDF: 79.9/89



Right In: 1820.002+/-0.414 χ^2/NDF: 298262.5/19

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1826.199+/-0.398 χ^2/NDF: 110232.0/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

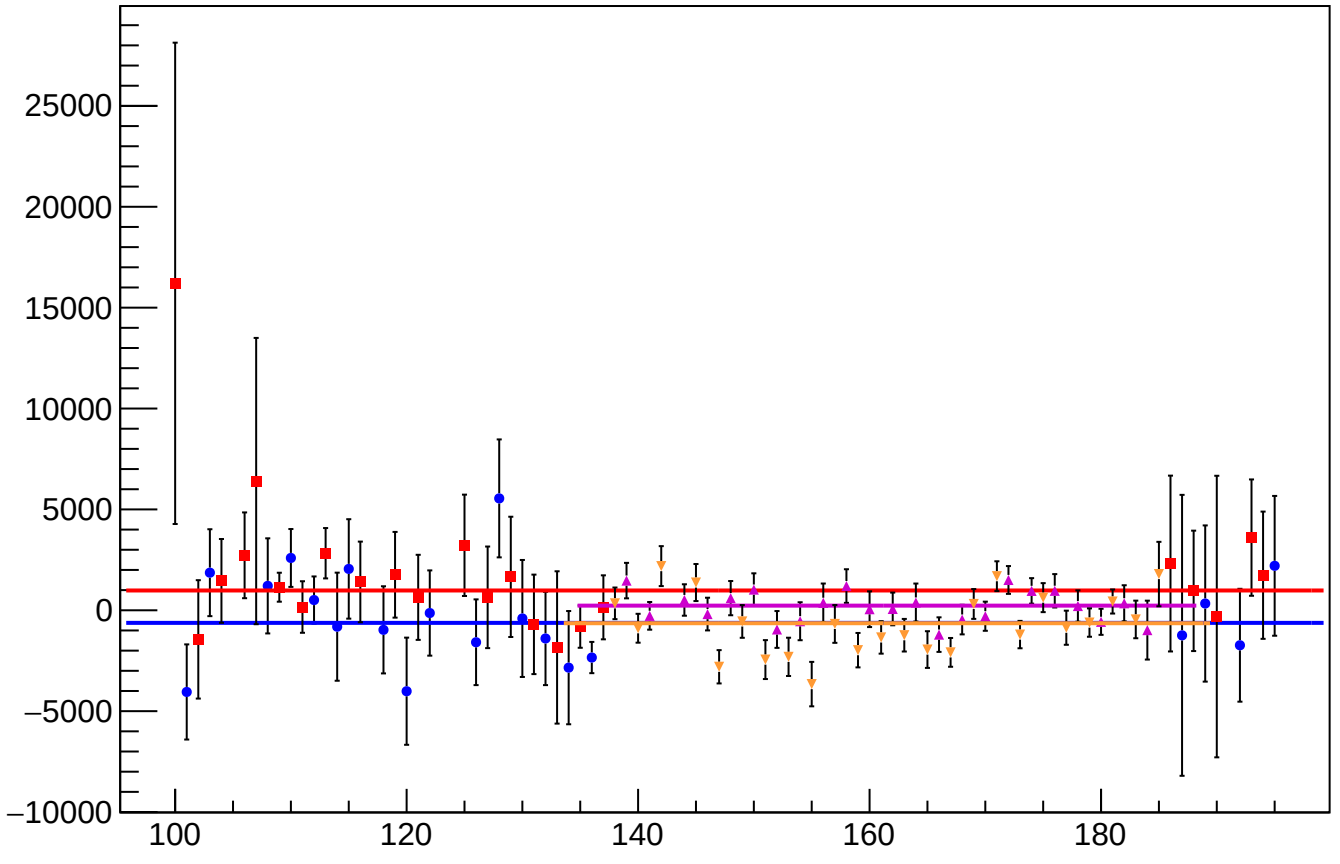
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1823.225+/-0.287 χ^2/NDF: 408610.8/42

In: 1787.438+/-0.239 χ^2/NDF:323938.2/42

Out: 1788.282+/-0.235 χ^2/NDF:140486.8/46

All: 1787.868+/-0.167 χ^2/NDF: 464431.4/89



Right In: -623.599+/-429.775 χ^2/NDF: 24.1/19

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 981.731+/-381.604 χ^2/NDF: 12.6/22

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

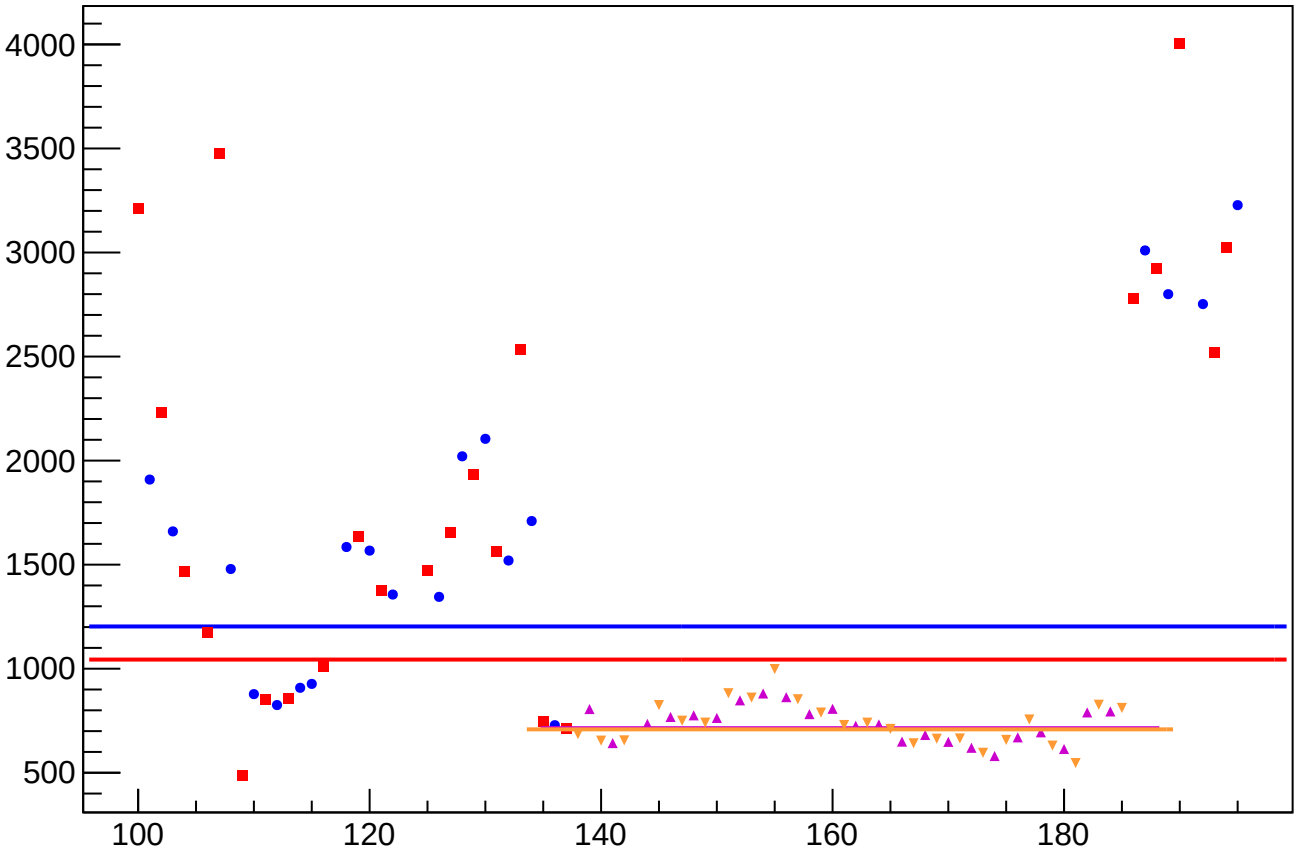
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 274.039+/-285.352 χ^2/NDF: 44.5/42

In: 117.048+/-156.728 χ^2/NDF:47.5/42

Out: -381.640+/-152.567 χ^2/NDF:94.5/46

All: -139.003+/-109.323 χ^2/NDF: 147.1/89



Right In: 1202.975+/-0.304 χ^2/NDF: 3751537.6/19

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1043.899+/-0.270 χ^2/NDF: 6007112.8/22

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

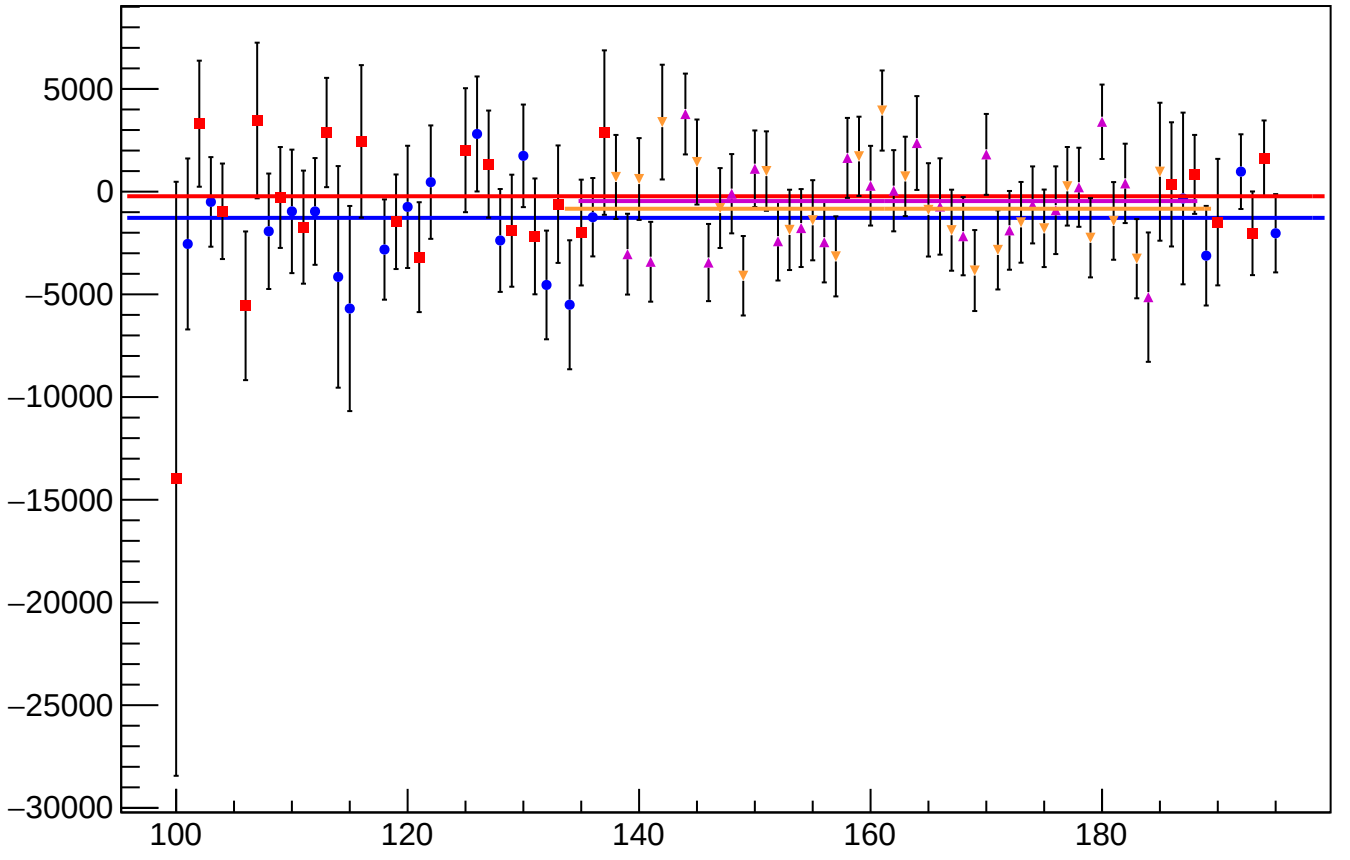
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1114.026+/-0.202 χ^2/NDF: 9911864.2/42

In: 779.168+/-0.111 χ^2/NDF:6491938.5/42

Out: 762.114+/-0.108 χ^2/NDF:8005604.0/46

All: 770.412+/-0.077 χ^2/NDF: 14509701.4/89



Right In: -1276.413+/-586.072 χ^2/NDF: 11.6/19

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -224.157+/-563.245 χ^2/NDF: 14.3/22

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

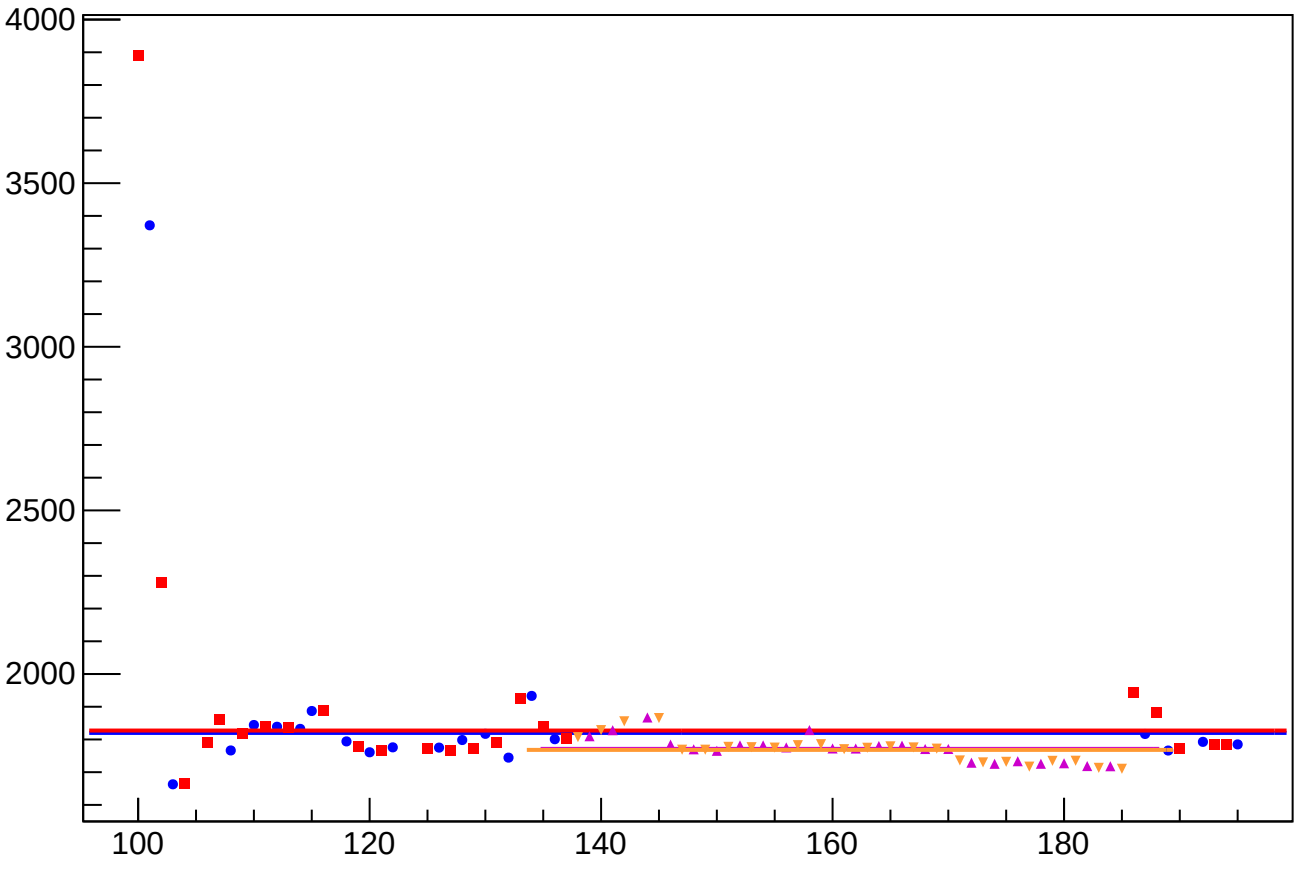
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -729.393+/-406.105 χ^2/NDF: 27.6/42

In: -731.158+/-337.945 χ^2/NDF:40.2/42

Out: -621.483+/-331.715 χ^2/NDF:40.5/46

All: -675.300+/-236.730 χ^2/NDF: 80.7/89



Right In: 1820.002+/-0.414 χ^2/NDF: 298264.4/19

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1827.267+/-0.398 χ^2/NDF: 109499.2/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

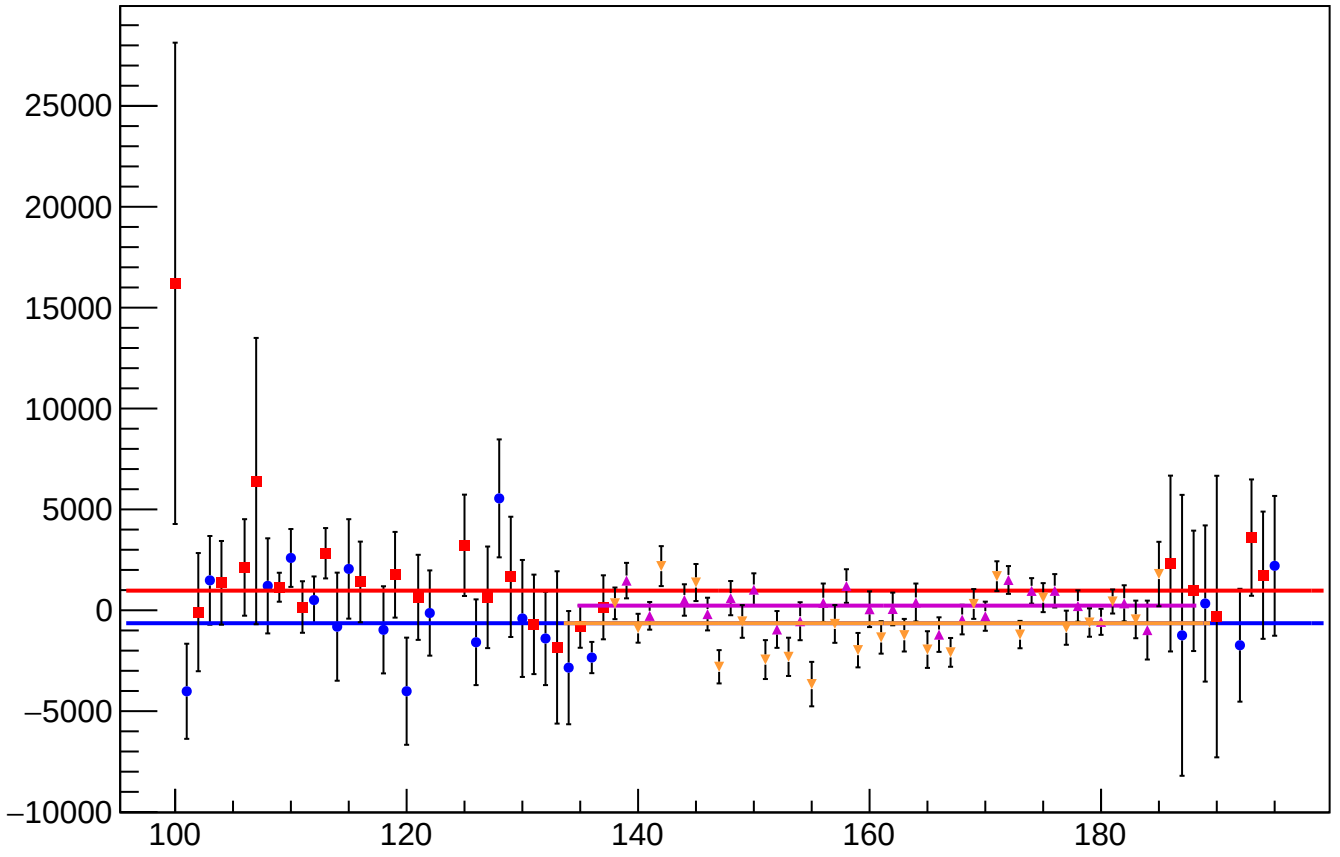
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1823.779+/-0.287 χ^2/NDF: 407923.4/42

In: 1787.438+/-0.239 χ^2/NDF:323940.0/42

Out: 1788.639+/-0.235 χ^2/NDF:140260.2/46

All: 1788.050+/-0.167 χ^2/NDF: 464213.1/89



Right In: -641.121+/-430.115 χ^2/NDF: 23.7/19

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 973.867+/-382.874 χ^2/NDF: 11.6/22

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

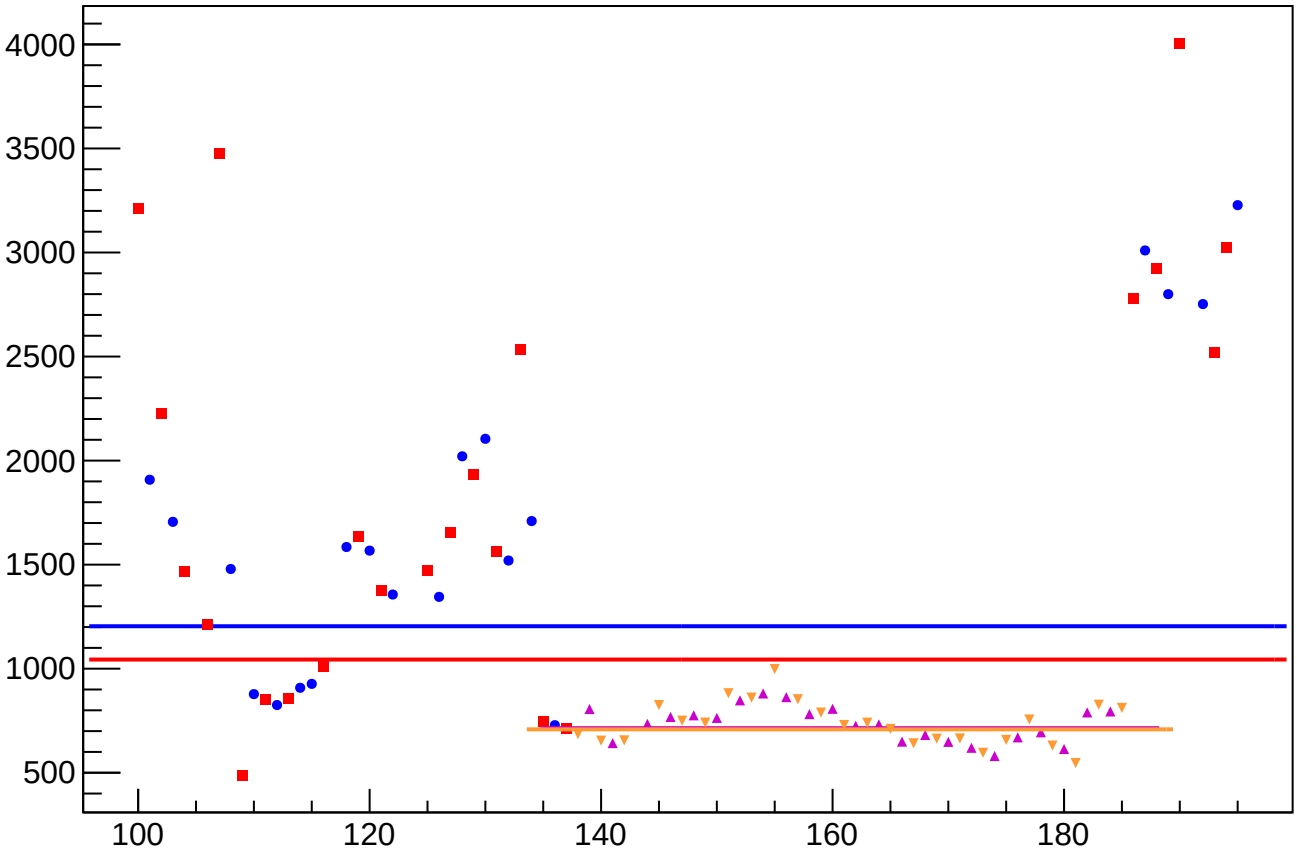
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 259.900+/-285.982 χ^2/NDF: 43.1/42

In: 114.805+/-156.745 χ^2/NDF:47.2/42

Out: -384.311+/-152.649 χ^2/NDF:93.2/46

All: -141.360+/-109.359 χ^2/NDF: 145.6/89



Right In: 1204.002+/-0.304 χ^2/NDF: 3765794.9/19

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1043.979+/-0.271 χ^2/NDF: 6008353.9/22

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

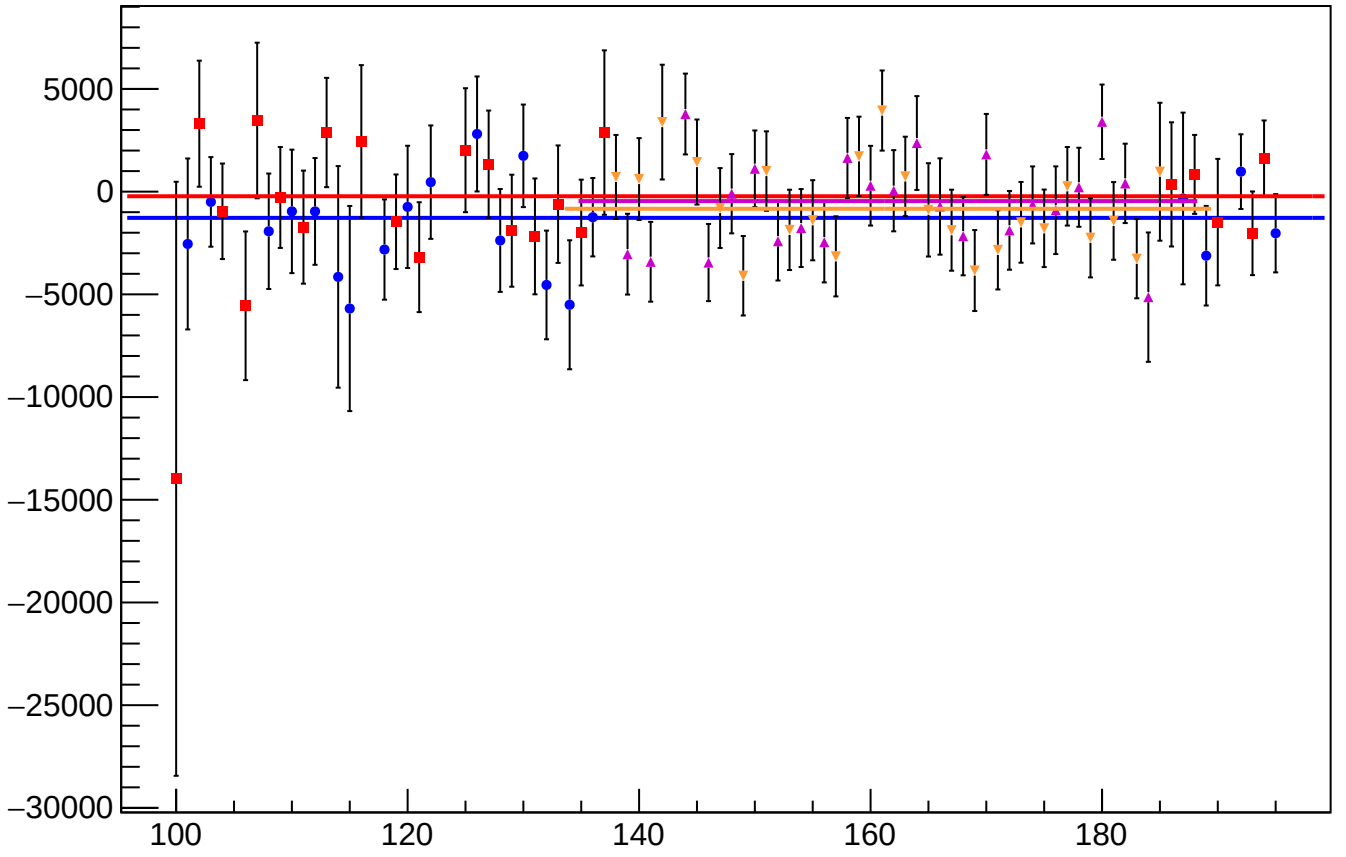
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1114.723+/-0.202 χ^2/NDF: 9928600.7/42

In: 779.221+/-0.111 χ^2/NDF:6512485.4/42

Out: 761.833+/-0.108 χ^2/NDF:8000153.2/46

All: 770.297+/-0.077 χ^2/NDF: 14525270.1/89



Right In: -1276.413+/-586.072 χ^2/NDF: 11.6/19

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -224.157+/-563.245 χ^2/NDF: 14.3/22

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

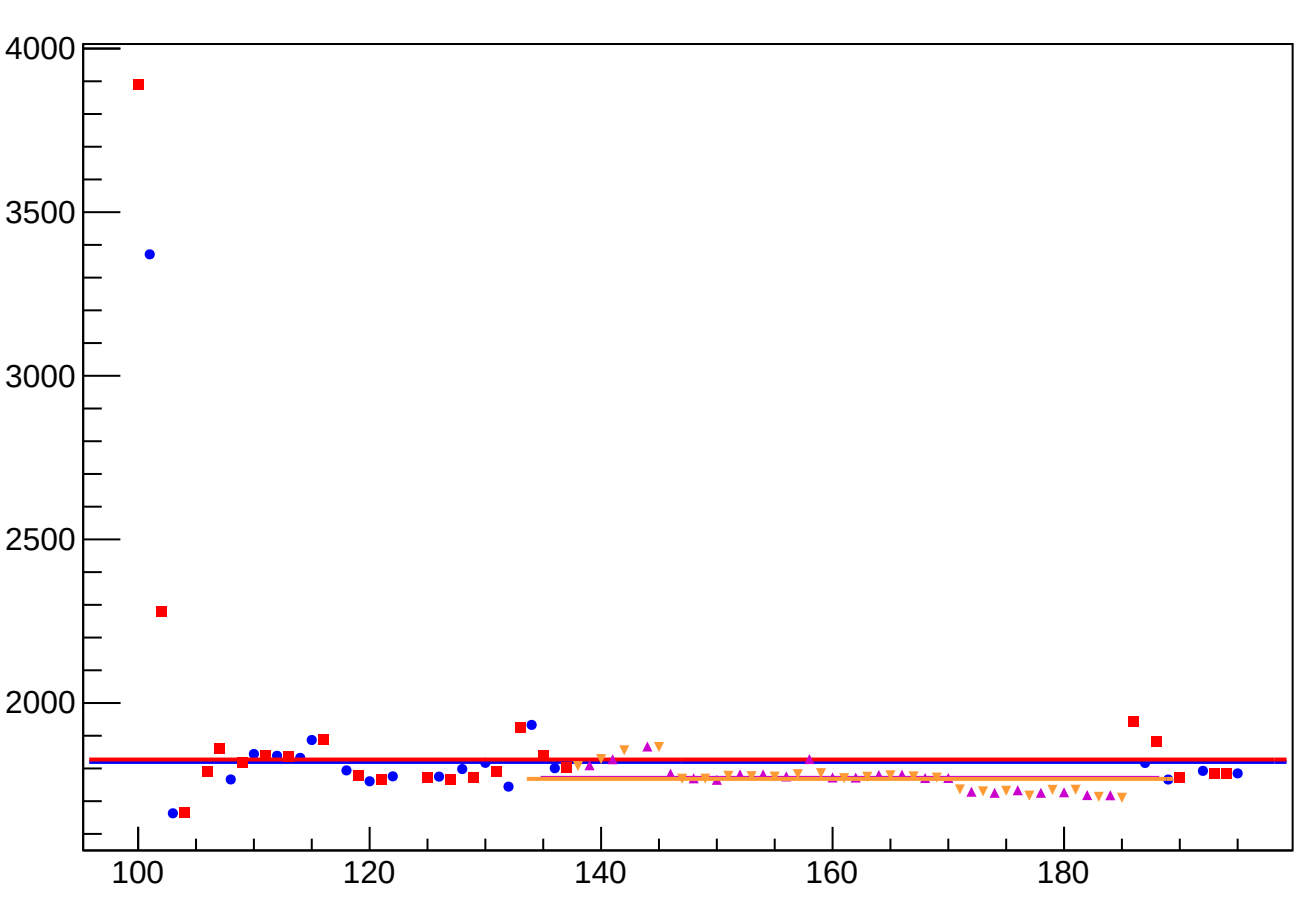
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -729.393+/-406.105 χ^2/NDF: 27.6/42

In: -731.158+/-337.945 χ^2/NDF:40.2/42

Out: -621.483+/-331.715 χ^2/NDF:40.5/46

All: -675.300+/-236.730 χ^2/NDF: 80.7/89



Right In: 1820.002+/-0.414 χ^2/NDF: 298264.4/19

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1827.267+/-0.398 χ^2/NDF: 109499.2/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

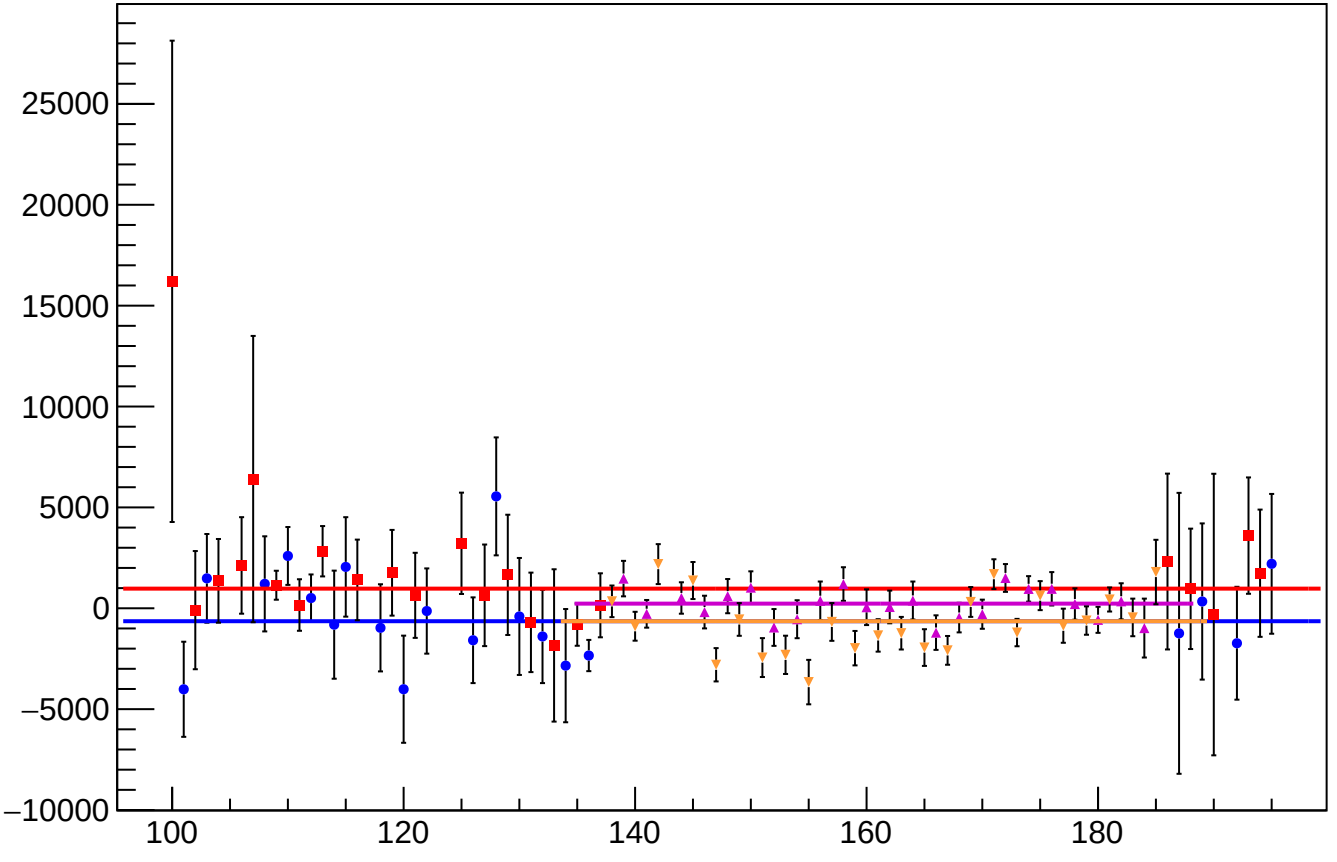
Right: 1823.779+/-0.287 χ^2/NDF: 407923.4/42

In: 1787.438+/-0.239 χ^2/NDF:323940.0/42

Out: 1788.639+/-0.235 χ^2/NDF:140260.2/46

All: 1788.050+/-0.167 χ^2/NDF: 464213.1/89

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -641.121+/-430.115 χ^2/NDF: 23.7/19

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 973.867+/-382.874 χ^2/NDF: 11.6/22

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

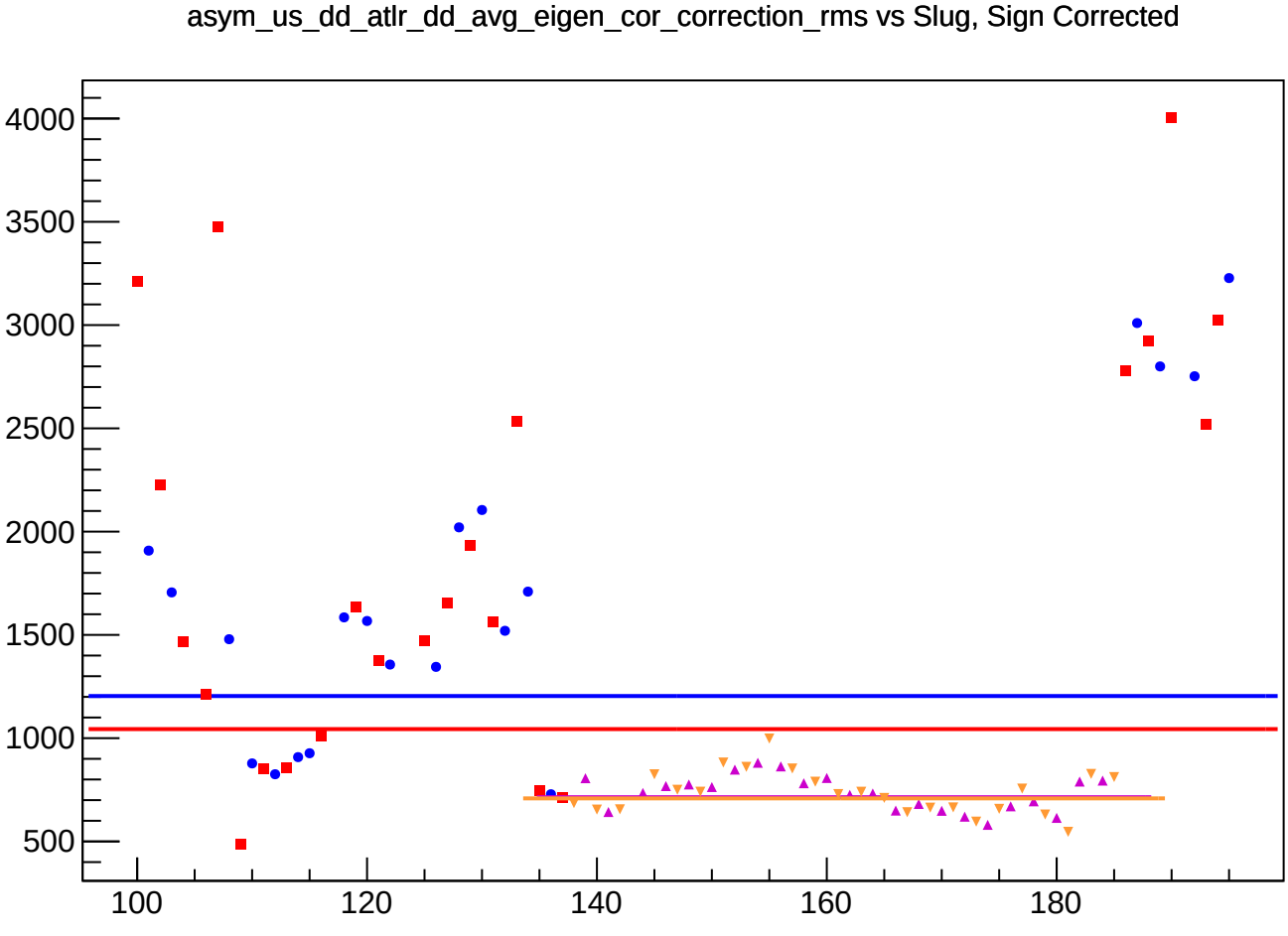
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 259.900+/-285.982 χ^2/NDF: 43.1/42

In: 114.805+/-156.745 χ^2/NDF:47.2/42

Out: -384.311+/-152.649 χ^2/NDF:93.2/46

All: -141.360+/-109.359 χ^2/NDF: 145.6/89



Right In: 1204.002+/-0.304 χ^2/NDF: 3765794.9/19

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1043.979+/-0.271 χ^2/NDF: 6008353.9/22

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

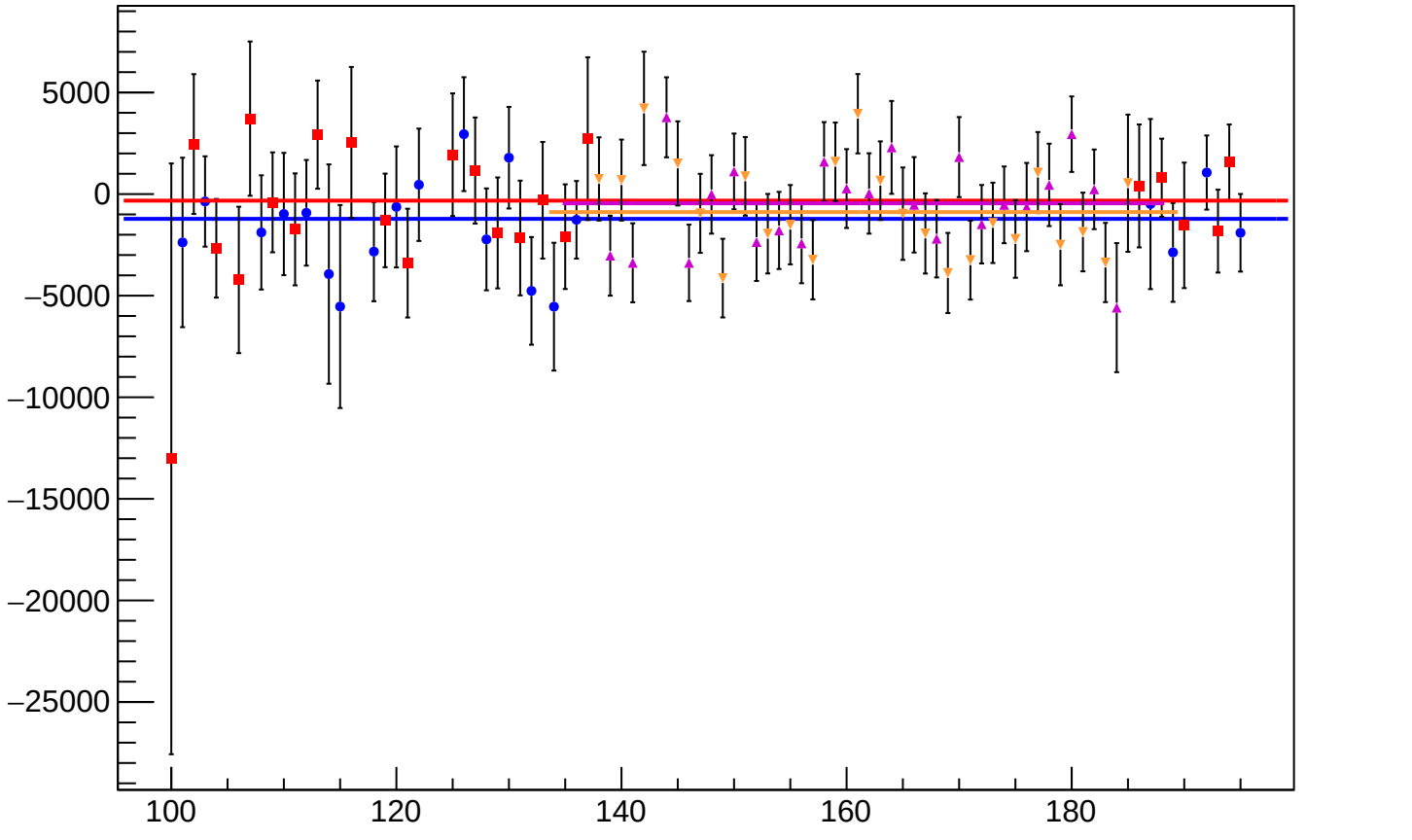
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1114.723+/-0.202 χ^2/NDF: 9928600.7/42

In: 779.221+/-0.111 χ^2/NDF:6512485.4/42

Out: 761.833+/-0.108 χ^2/NDF:8000153.2/46

All: 770.297+/-0.077 χ^2/NDF: 14525270.1/89



Right In: -1219.809+/-587.708 χ^2/NDF: 11.8/19

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -322.918+/-567.163 χ^2/NDF: 13.3/22

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

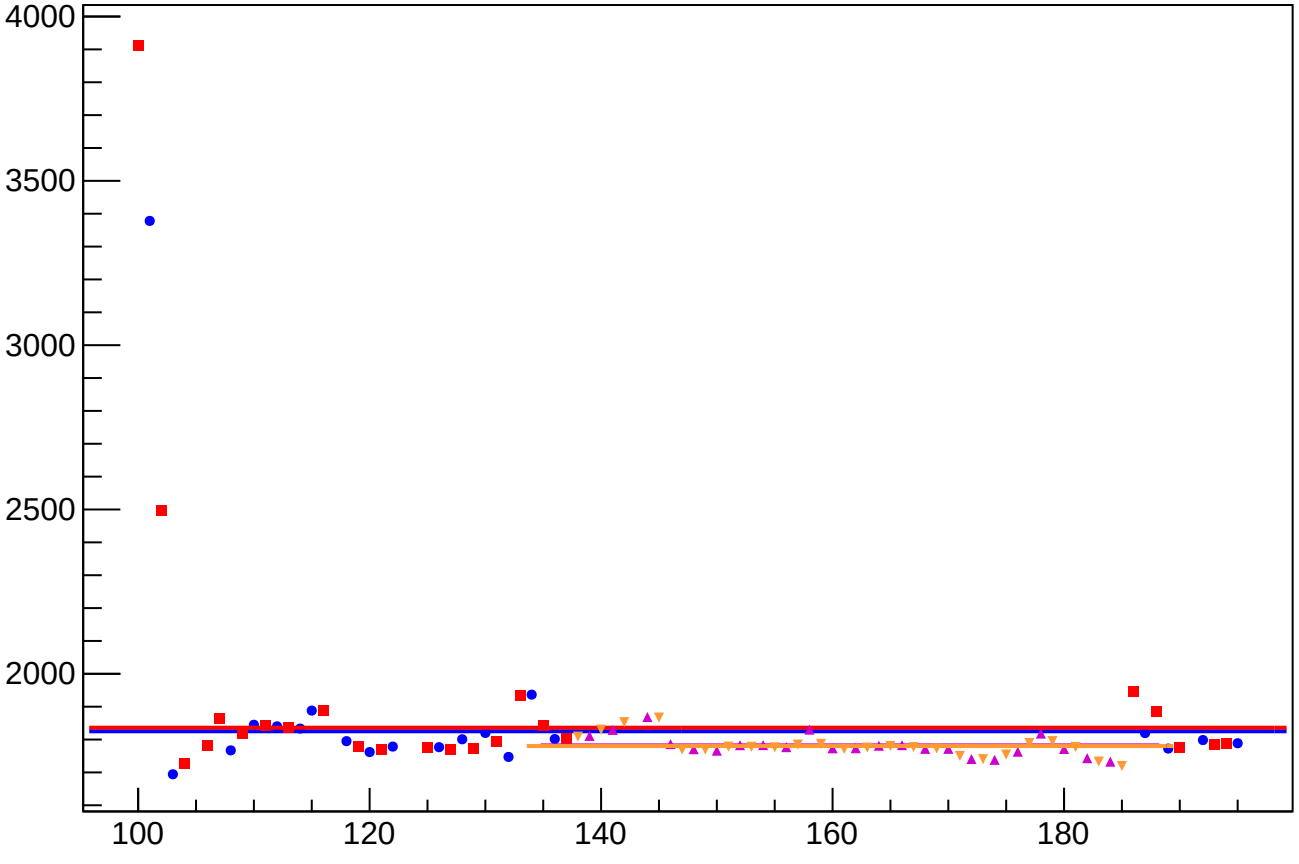
Right: -755.413+/-408.115 χ^2/NDF: 26.4/42

In: -709.276+/-339.655 χ^2/NDF:38.8/42

Out: -690.975+/-333.983 χ^2/NDF:42.1/46

All: -699.971+/-238.142 χ^2/NDF: 80.9/89

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1825.172+/-0.416 χ^2/NDF: 294784.5/19

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1836.067+/-0.401 χ^2/NDF: 135495.7/22

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

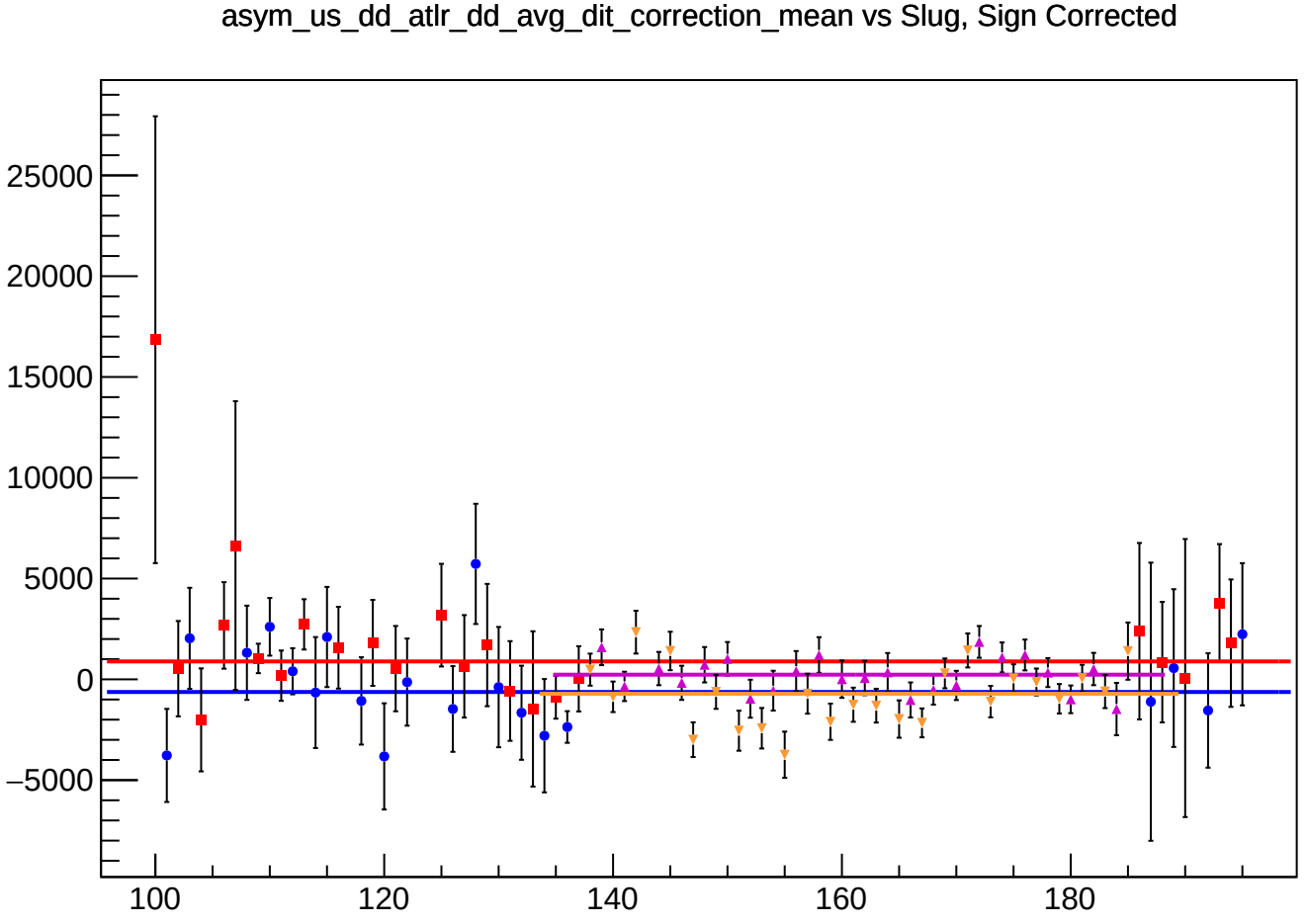
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1830.813+/-0.289 χ^2/NDF: 430636.2/42

In: 1796.618+/-0.240 χ^2/NDF:313105.3/42

Out: 1799.586+/-0.236 χ^2/NDF:158543.2/46

All: 1798.127+/-0.168 χ^2/NDF: 471726.1/89



Right In: -626.911+/-433.544 χ^2/NDF: 23.6/19

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 888.827+/-385.158 χ^2/NDF: 13.5/22

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

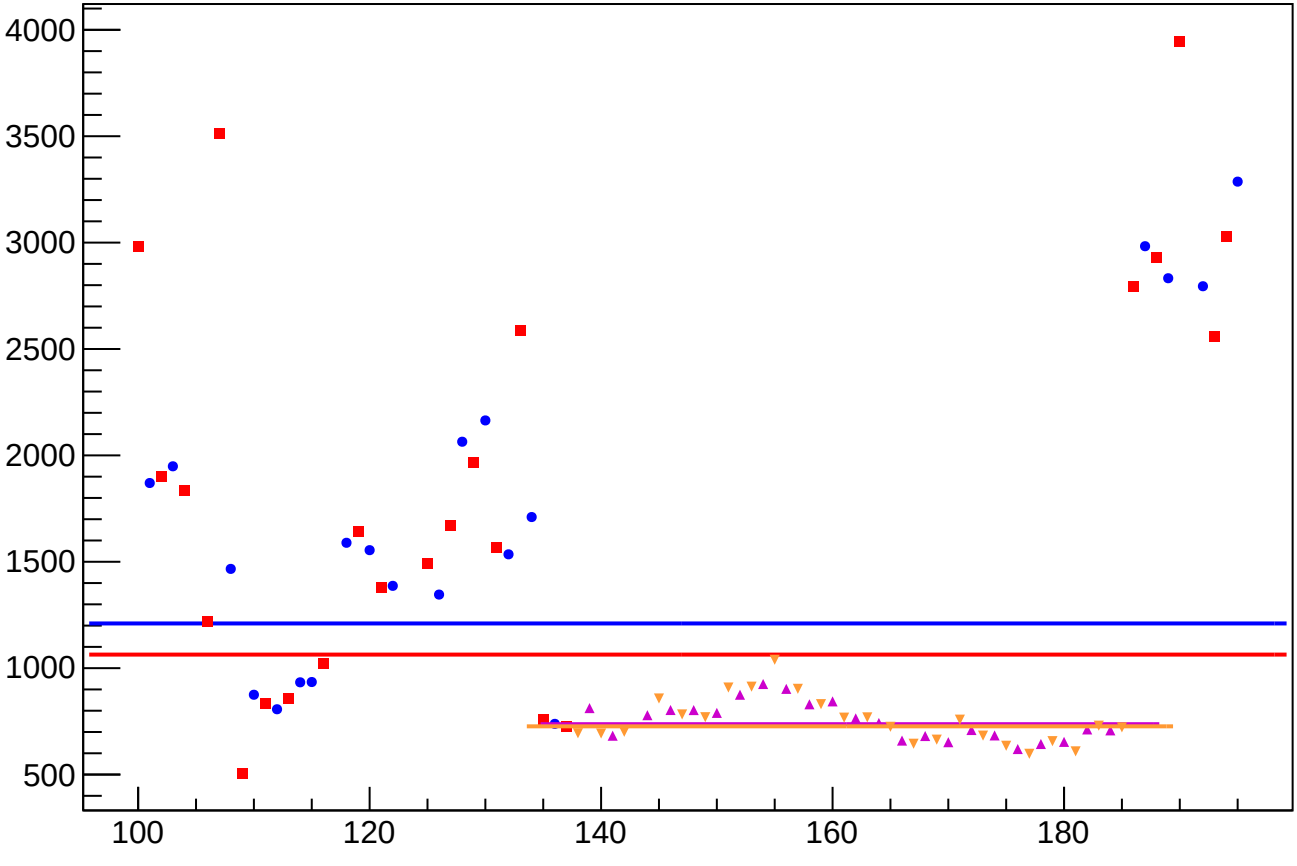
Right: 220.229+/-287.942 χ^2/NDF: 43.9/42

In: 112.922+/-161.029 χ^2/NDF:51.1/42

Out: -453.282+/-155.985 χ^2/NDF:87.4/46

All: -179.185+/-112.039 χ^2/NDF: 144.8/89

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1210.140+/-0.307 χ^2/NDF: 3868240.5/19

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1063.765+/-0.272 χ^2/NDF: 5957563.1/22

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

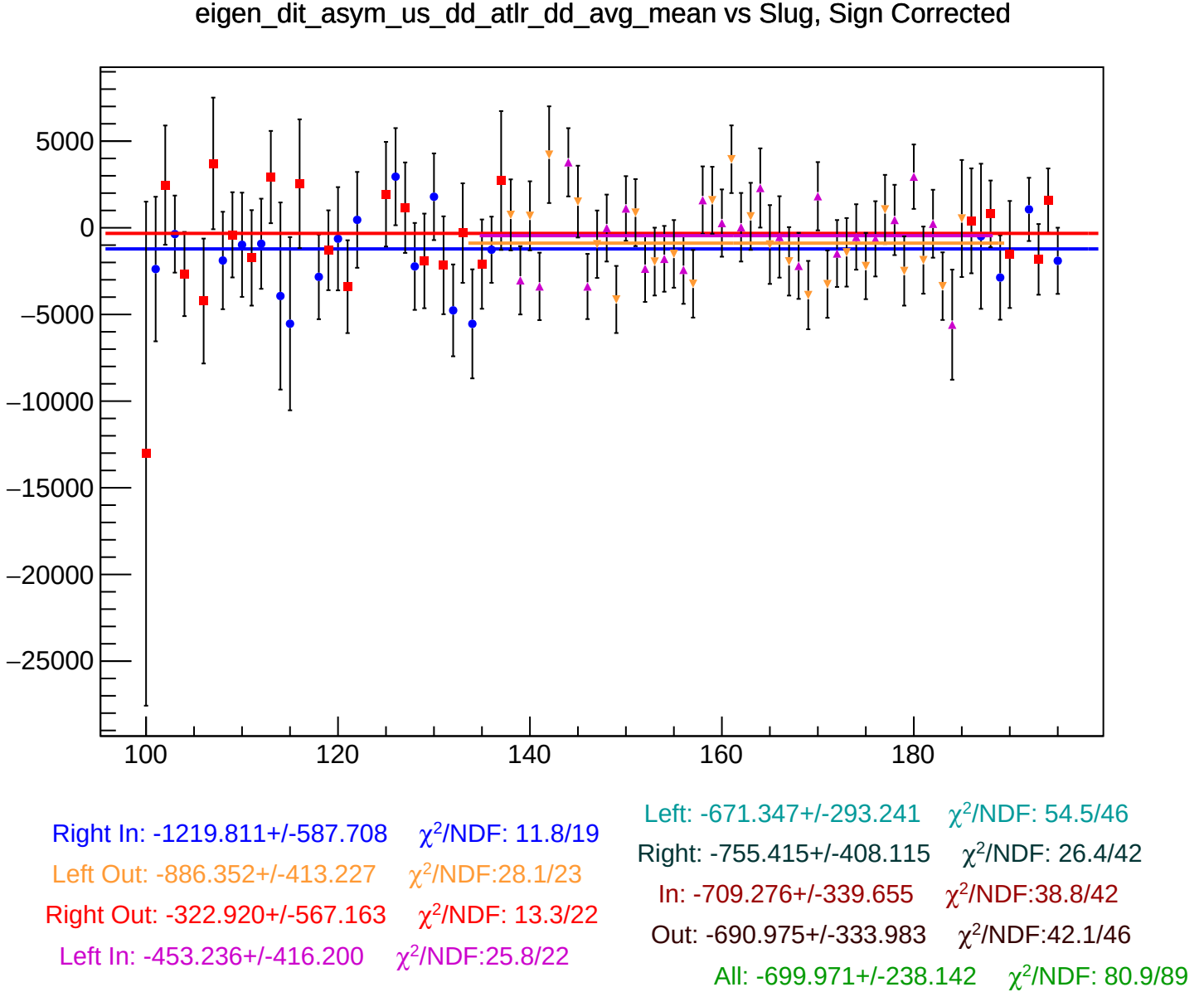
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

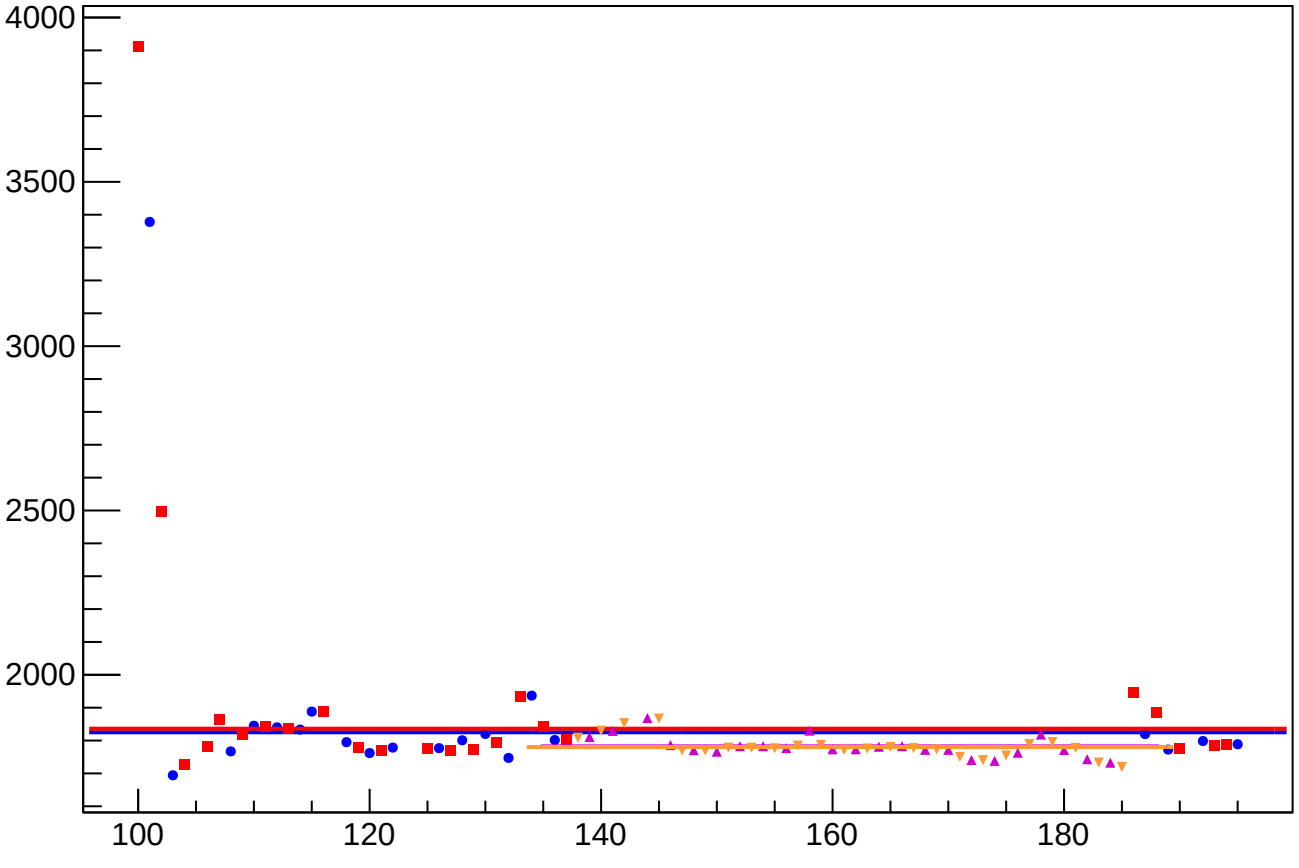
Right: 1128.332+/-0.204 χ^2/NDF: 9953220.5/42

In: 802.022+/-0.114 χ^2/NDF:6389198.9/42

Out: 781.905+/-0.110 χ^2/NDF:7923567.8/46

All: 791.643+/-0.079 χ^2/NDF: 14328870.4/89


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
Right In: -1219.811+/-587.708 χ²/NDF: 11.8/19
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -322.920+/-567.163 χ²/NDF: 13.3/22
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -755.415+/-408.115 χ²/NDF: 26.4/42
In: -709.276+/-339.655 χ²/NDF:38.8/42
Out: -690.975+/-333.983 χ²/NDF:42.1/46
All: -699.971+/-238.142 χ²/NDF: 80.9/89



Right In: 1825.172+/-0.416 χ^2/NDF: 294784.5/19

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1836.067+/-0.401 χ^2/NDF: 135495.8/22

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

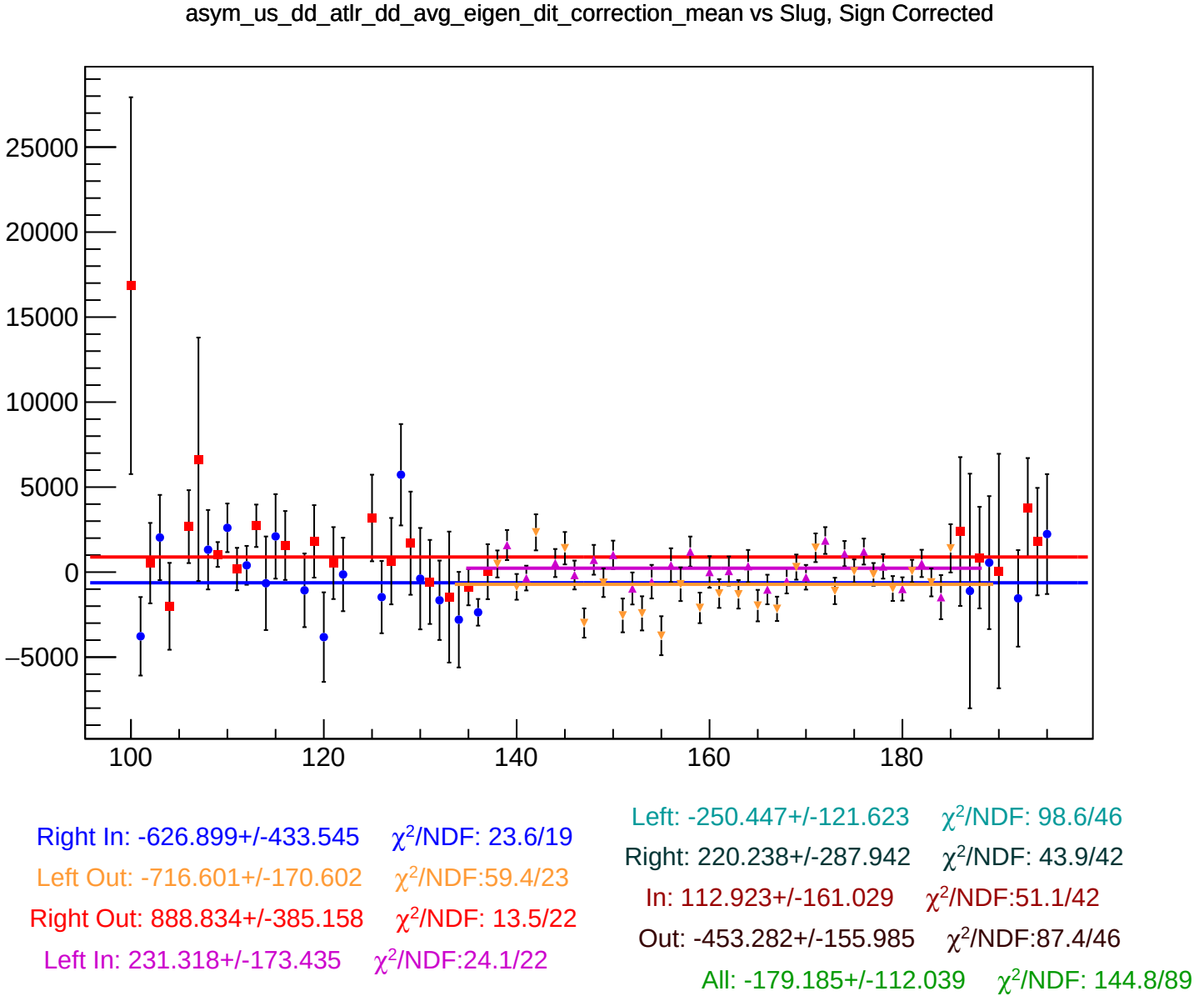
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1830.813+/-0.289 χ^2/NDF: 430636.2/42

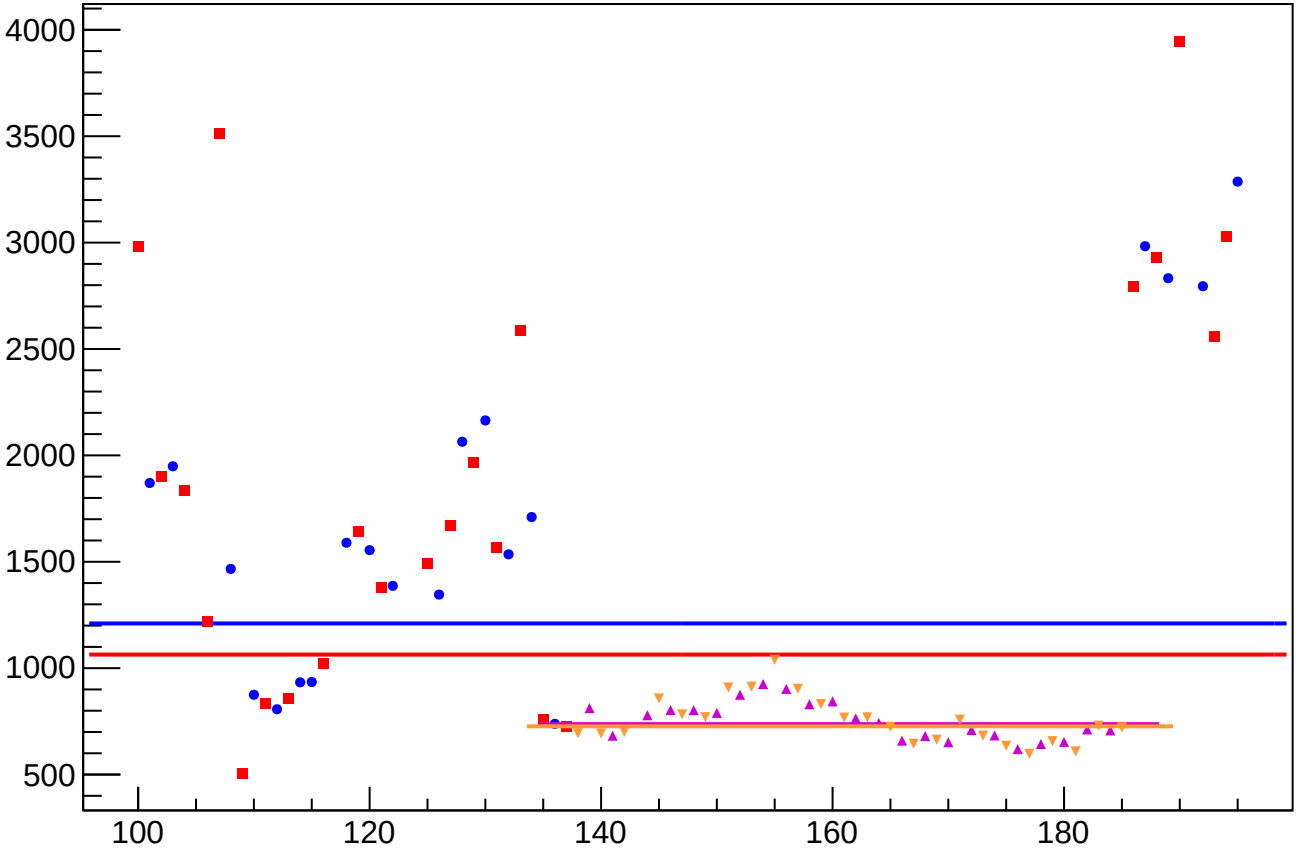
In: 1796.618+/-0.240 χ^2/NDF:313105.3/42

Out: 1799.586+/-0.236 χ^2/NDF:158543.4/46

All: 1798.127+/-0.168 χ^2/NDF: 471726.3/89


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -626.899+/-433.545 χ²/NDF: 23.6/19
Left Out: -716.601+/-170.602 χ²/NDF:59.4/23
Right Out: 888.834+/-385.158 χ²/NDF: 13.5/22
Left In: 231.318+/-173.435 χ²/NDF:24.1/22
Left: -250.447+/-121.623 χ²/NDF: 98.6/46
Right: 220.238+/-287.942 χ²/NDF: 43.9/42
In: 112.923+/-161.029 χ²/NDF:51.1/42
Out: -453.282+/-155.985 χ²/NDF:87.4/46
All: -179.185+/-112.039 χ²/NDF: 144.8/89

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1210.143+/-0.307 χ^2/NDF: 3868192.6/19

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1063.768+/-0.272 χ^2/NDF: 5957524.1/22

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

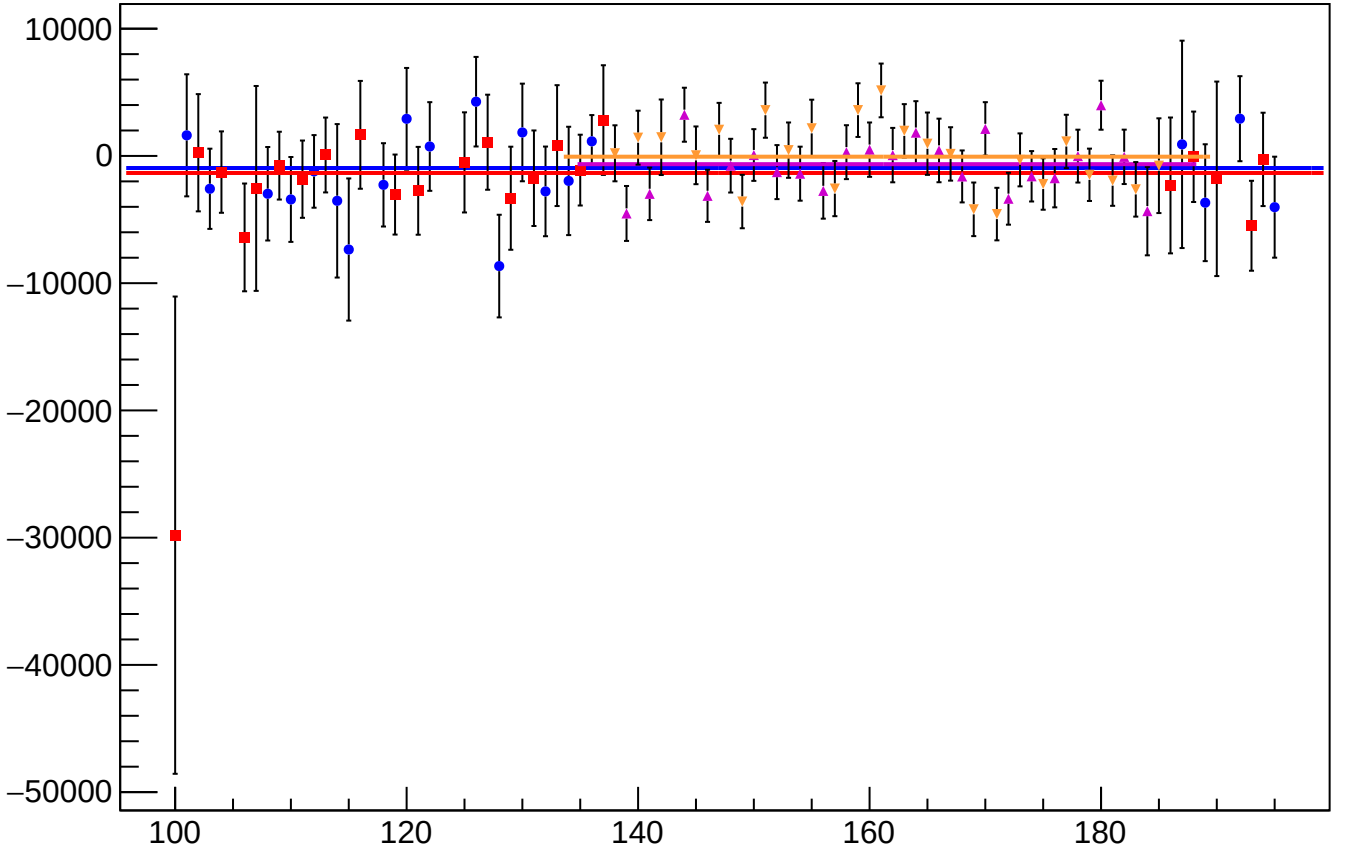
Right: 1128.335+/-0.204 χ^2/NDF: 9953134.1/42

In: 802.021+/-0.114 χ^2/NDF:6389190.5/42

Out: 781.905+/-0.110 χ^2/NDF:7923540.0/46

All: 791.643+/-0.079 χ^2/NDF: 14328832.9/89

asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected



Right In: -949.023+/-809.734 χ^2/NDF: 14.3/19

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1339.445+/-789.177 χ^2/NDF: 8.6/22

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

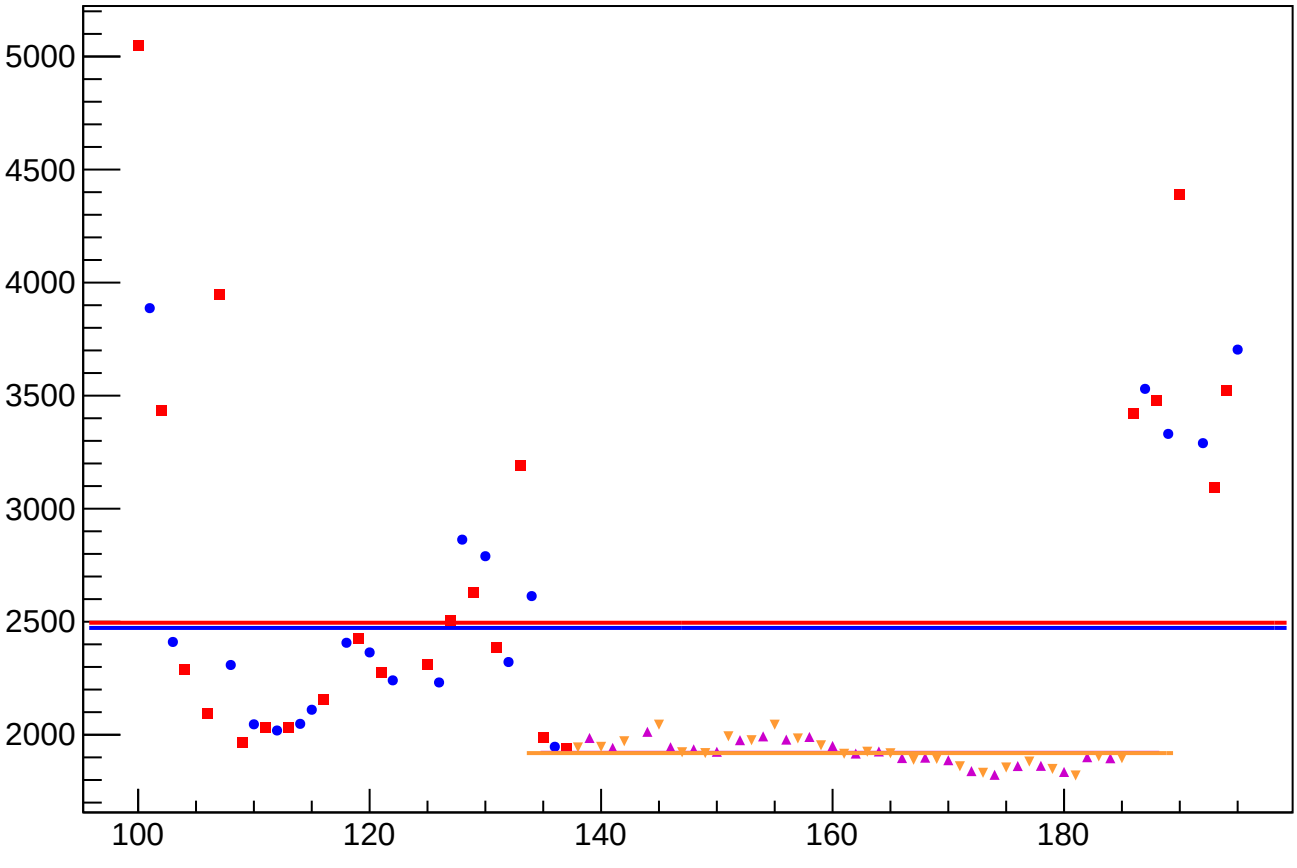
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -1149.253+/-565.160 χ^2/NDF: 23.1/42

In: -717.845+/-392.363 χ^2/NDF:38.1/42

Out: -368.989+/-388.020 χ^2/NDF:43.6/46

All: -541.475+/-275.894 χ^2/NDF: 82.1/89



Right In: 2472.583+/-0.573 χ^2/NDF: 884558.8/19

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2495.563+/-0.558 χ^2/NDF: 1111518.5/22

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

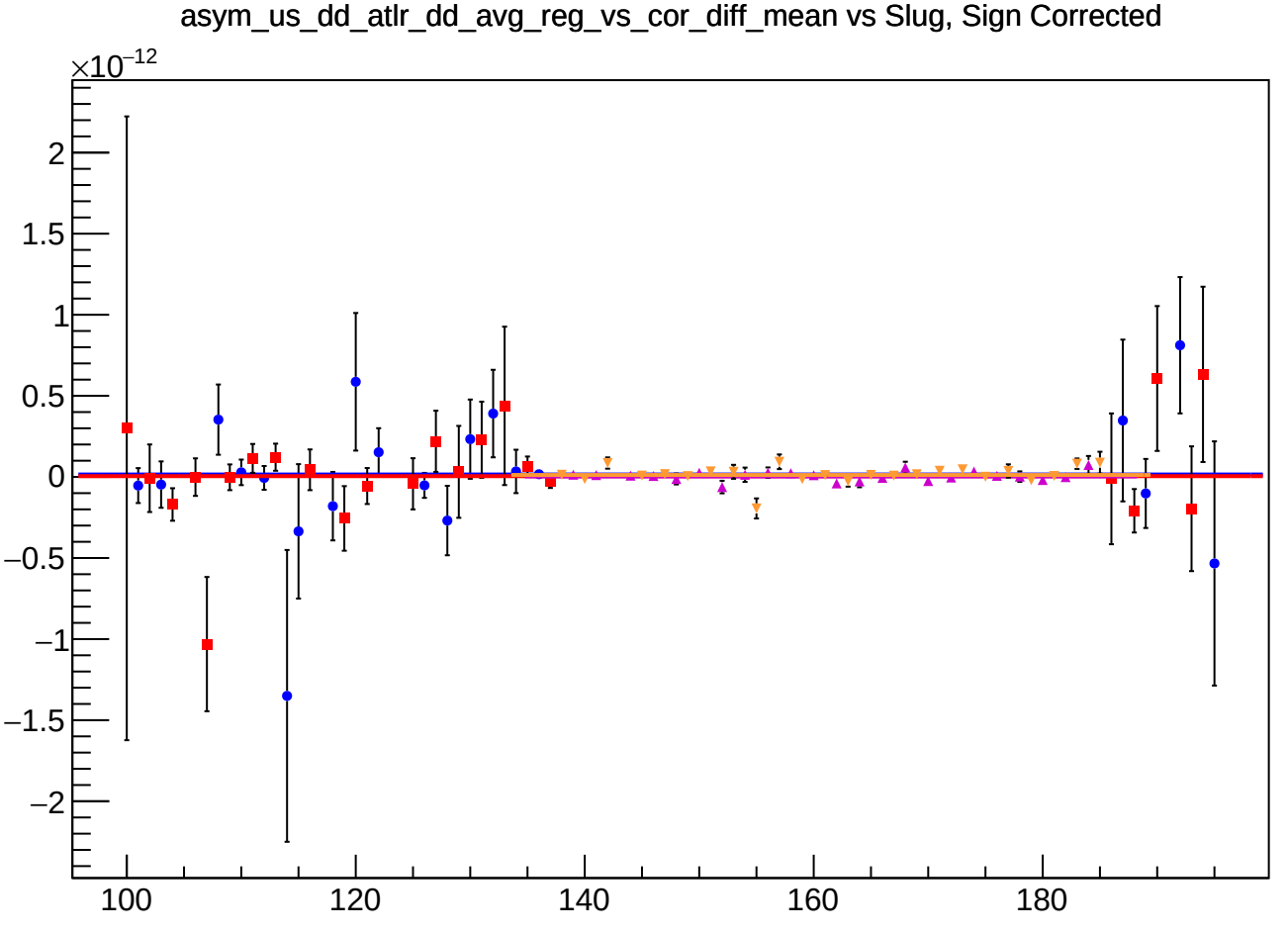
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2484.368+/-0.400 χ^2/NDF: 1996903.3/42

In: 2049.909+/-0.277 χ^2/NDF:1626638.8/42

Out: 2058.365+/-0.274 χ^2/NDF:1956620.4/46

All: 2054.184+/-0.195 χ^2/NDF: 3583728.7/89



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/22

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

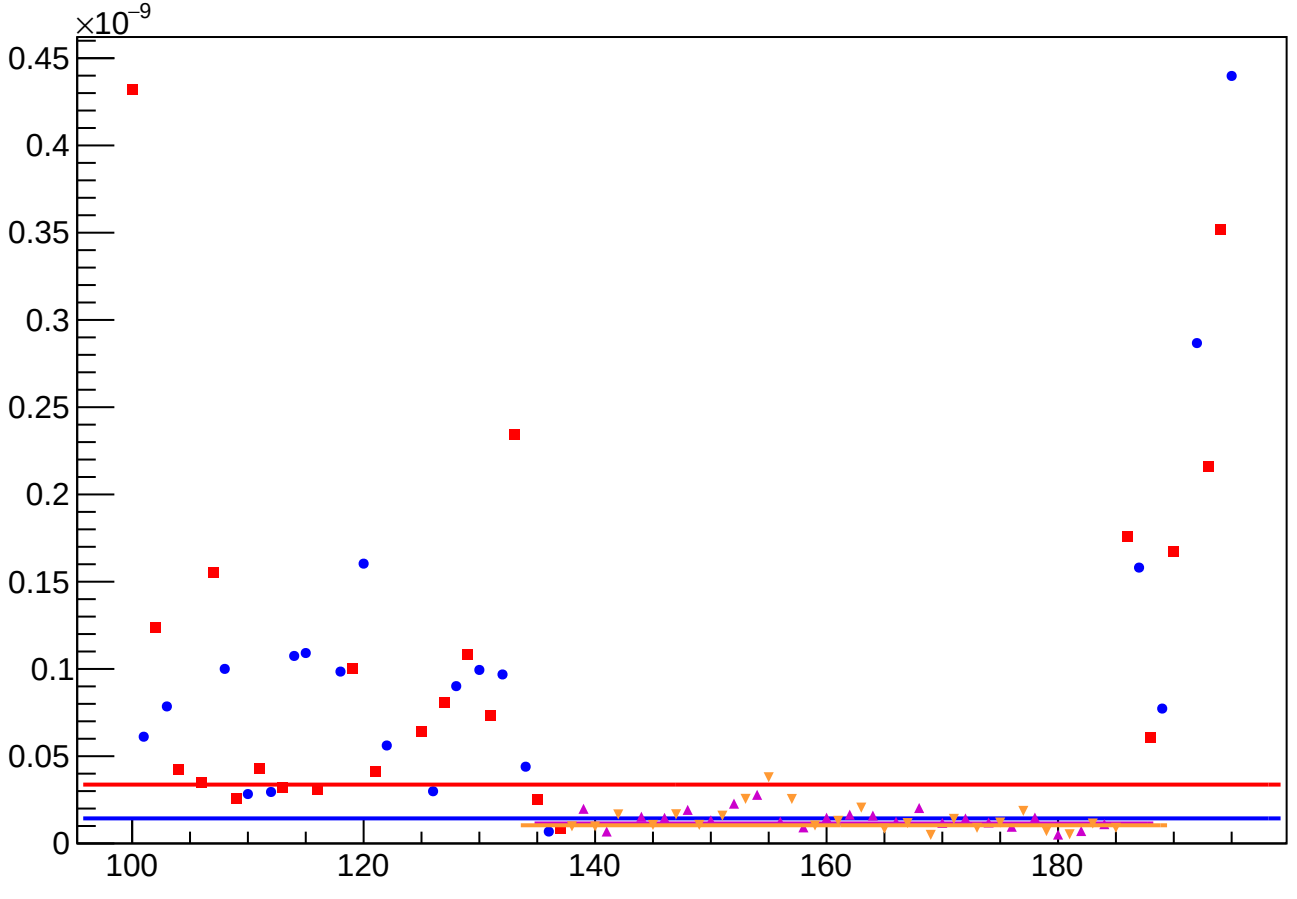
Right: 0.000+/-0.000 χ^2/NDF: 45.5/42

In: 0.000+/-0.000 χ^2/NDF:40.1/42

Out: 0.000+/-0.000 χ^2/NDF:63.7/46

All: 0.000+/-0.000 χ^2/NDF: 105.0/89

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5242391.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4035785.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

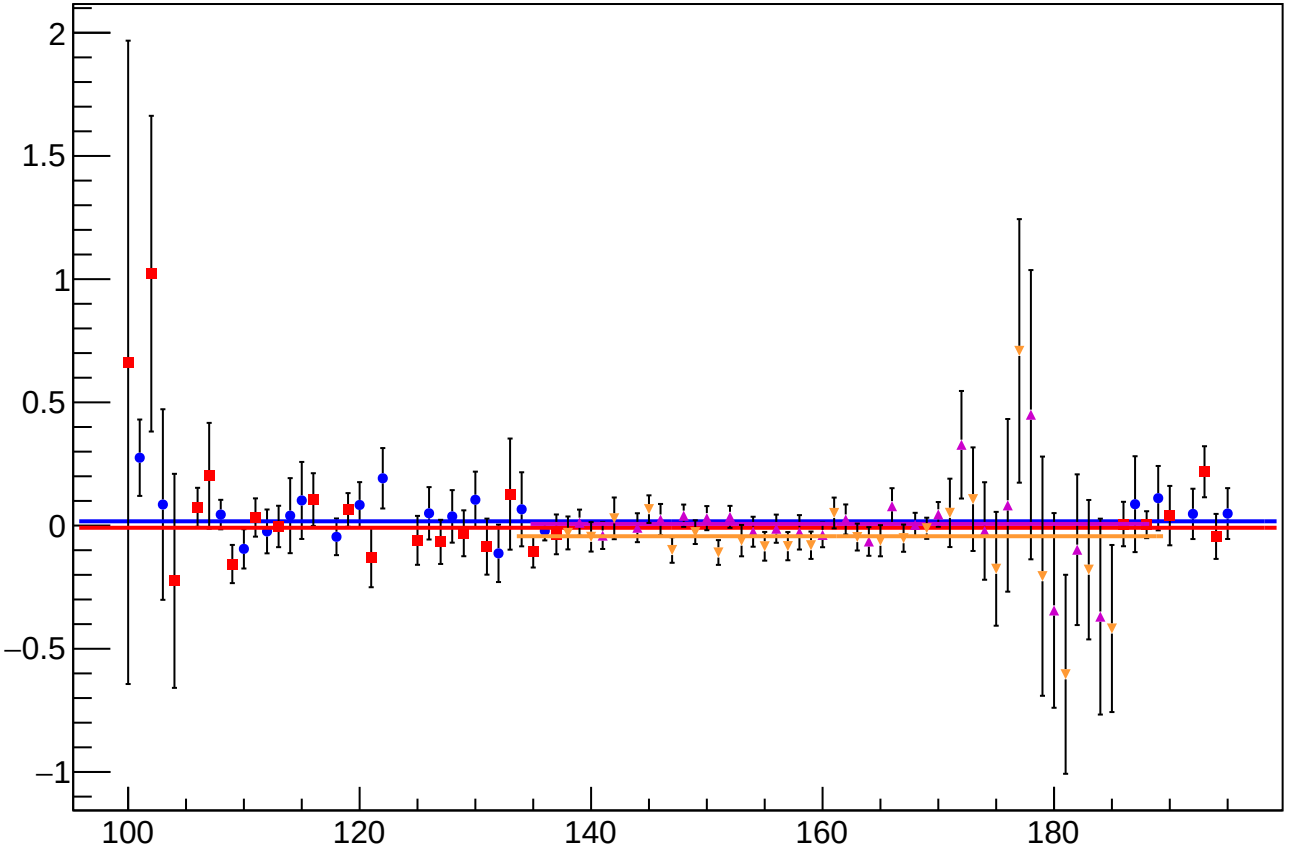
Right: 0.000+/-0.000 χ^2/NDF: 10278543.5/42

In: 0.000+/-0.000 χ^2/NDF:7213461.2/42

Out: 0.000+/-0.000 χ^2/NDF:7991538.8/46

All: 0.000+/-0.000 χ^2/NDF: 15215459.8/89

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

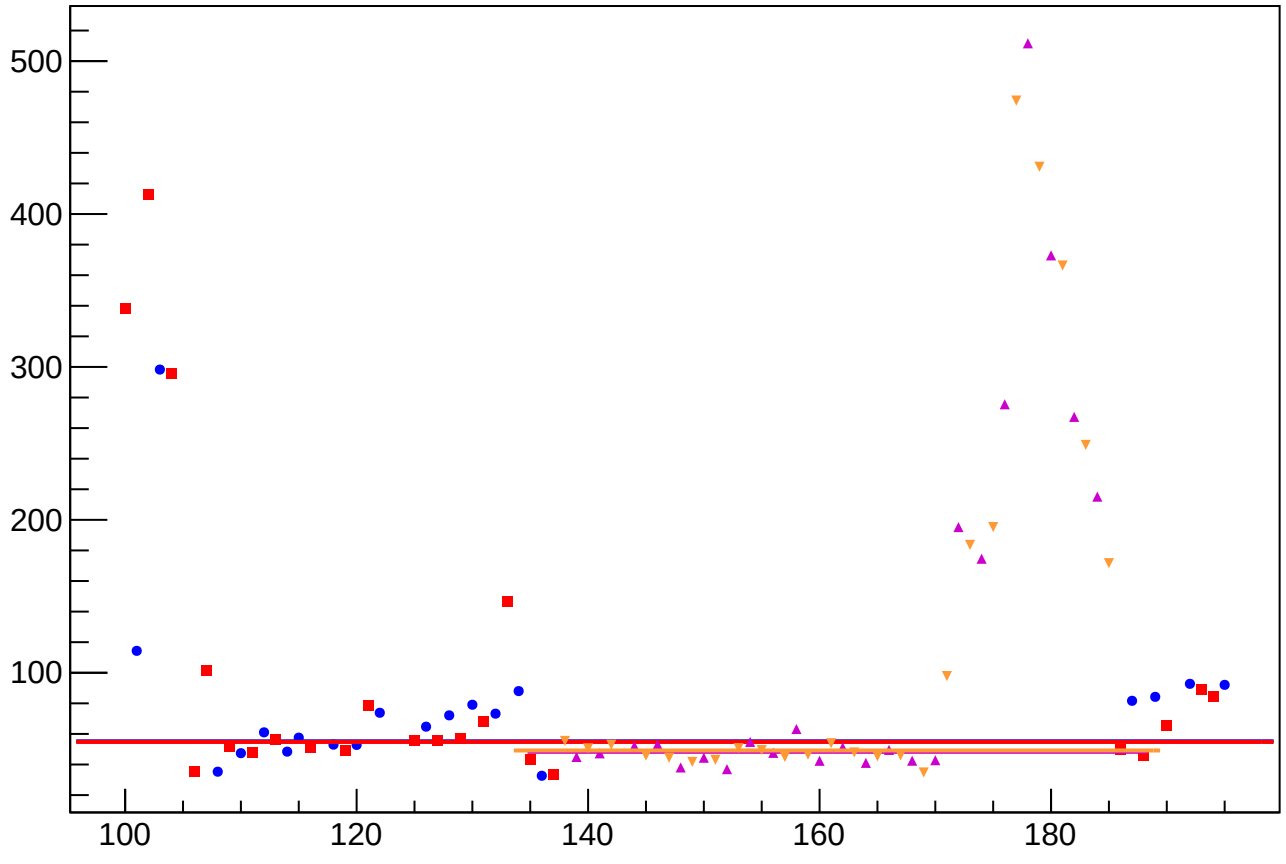
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: 0.004+/-0.014 χ^2/NDF: 35.0/42

In: 0.010+/-0.011 χ^2/NDF:24.1/42

Out: -0.032+/-0.011 χ^2/NDF:42.4/46

All: -0.011+/-0.008 χ^2/NDF: 73.3/89



Right In: 55.177+/-0.015 χ^2/NDF: 3015231.4/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 54.762+/-0.014 χ^2/NDF: 2735919.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

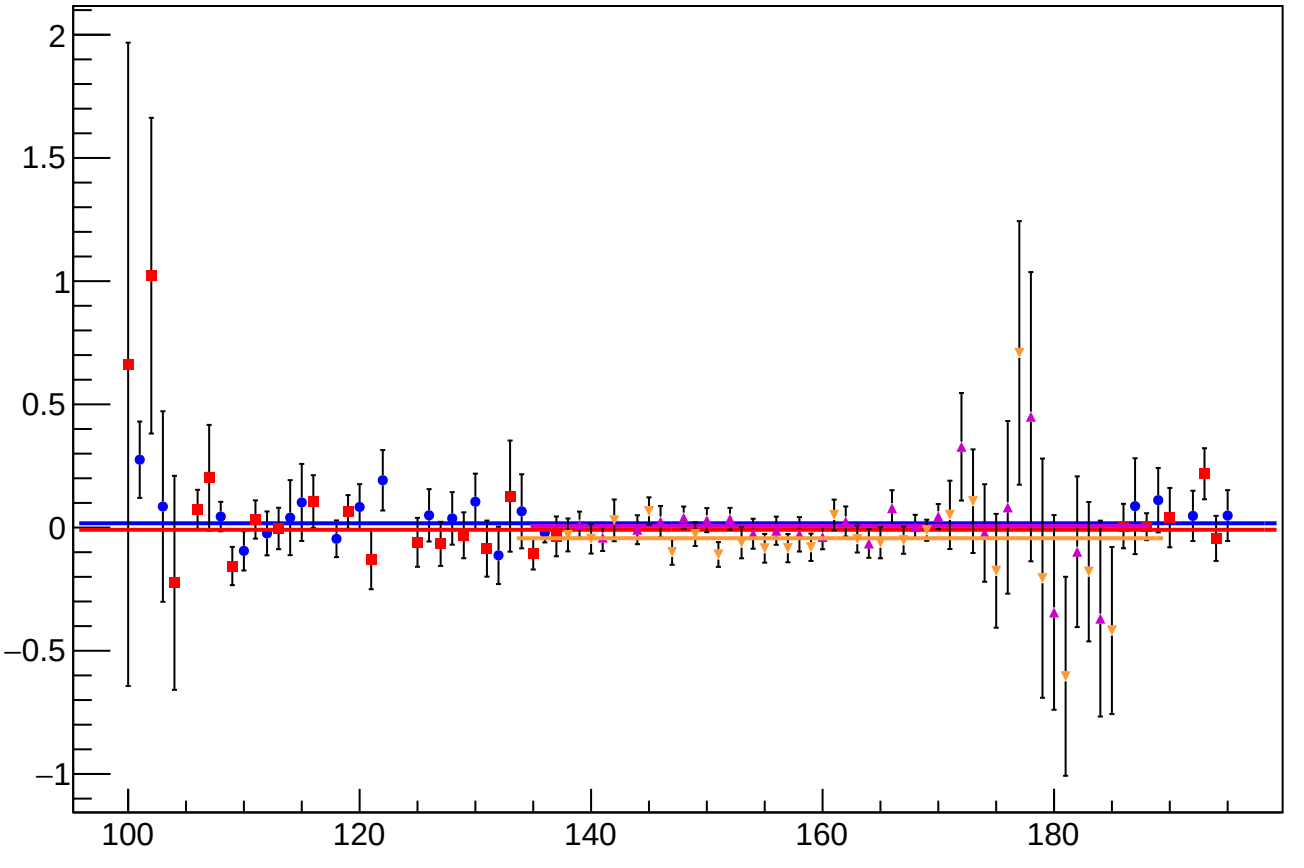
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 54.959+/-0.010 χ^2/NDF: 5751578.2/42

In: 50.381+/-0.008 χ^2/NDF:10211747.8/42

Out: 51.053+/-0.008 χ^2/NDF:10094173.9/46

All: 50.716+/-0.006 χ^2/NDF: 20309453.1/89



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

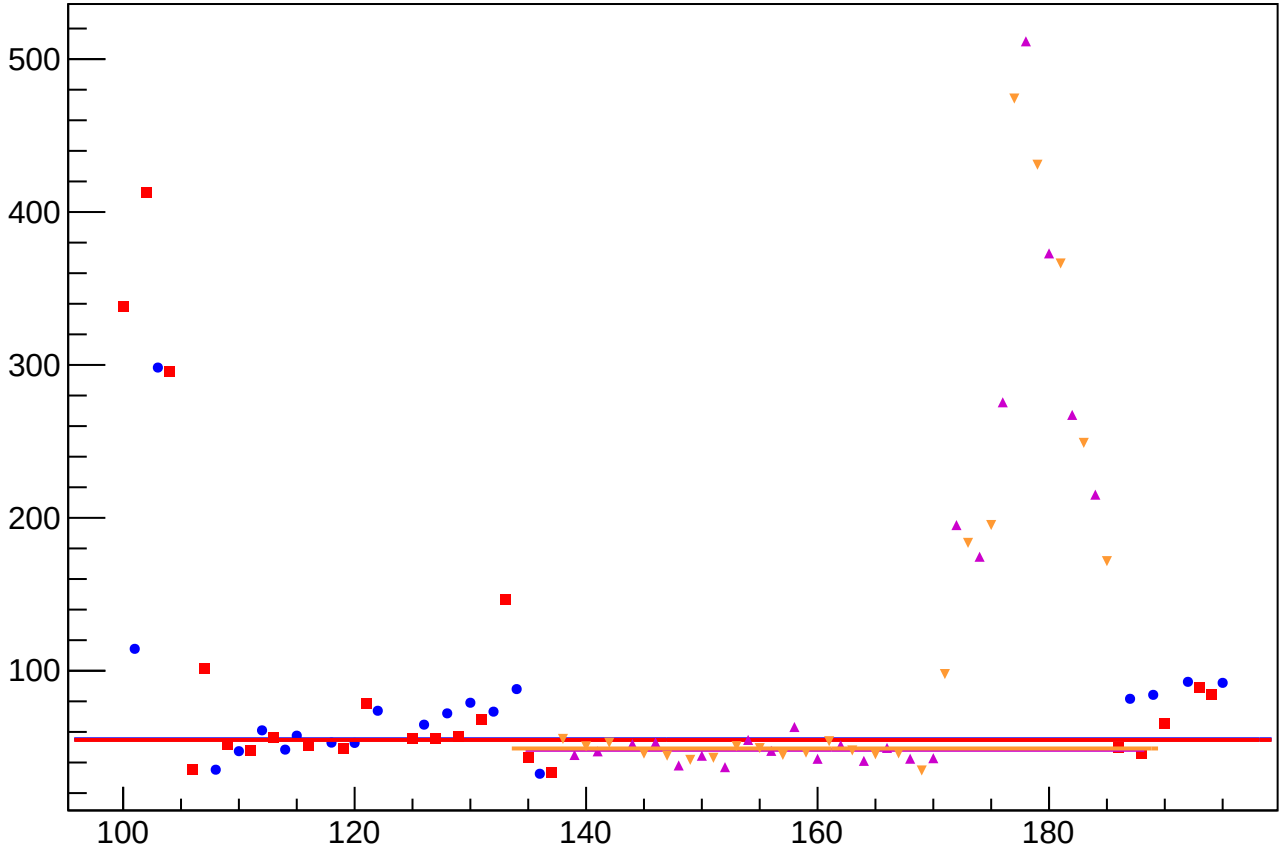
Right: 0.004+/-0.014 χ^2/NDF: 35.0/42

In: 0.010+/-0.011 χ^2/NDF:24.1/42

Out: -0.032+/-0.011 χ^2/NDF:42.4/46

All: -0.011+/-0.008 χ^2/NDF: 73.3/89

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.177+/-0.015 χ^2/NDF: 3015231.4/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 54.762+/-0.014 χ^2/NDF: 2735919.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

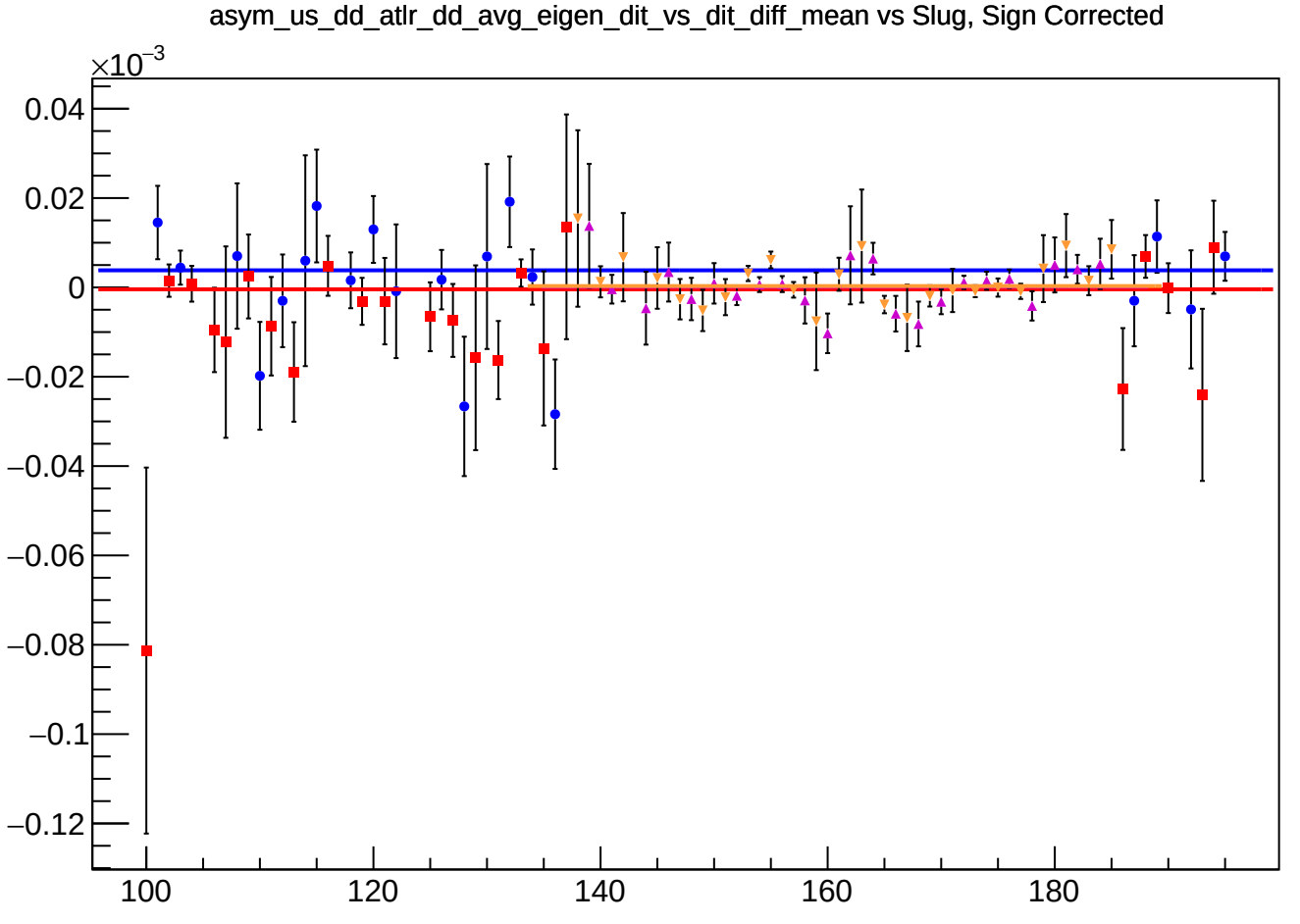
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 54.959+/-0.010 χ^2/NDF: 5751578.2/42

In: 50.381+/-0.008 χ^2/NDF:10211747.8/42

Out: 51.053+/-0.008 χ^2/NDF:10094173.9/46

All: 50.716+/-0.006 χ^2/NDF: 20309453.1/89



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/22

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

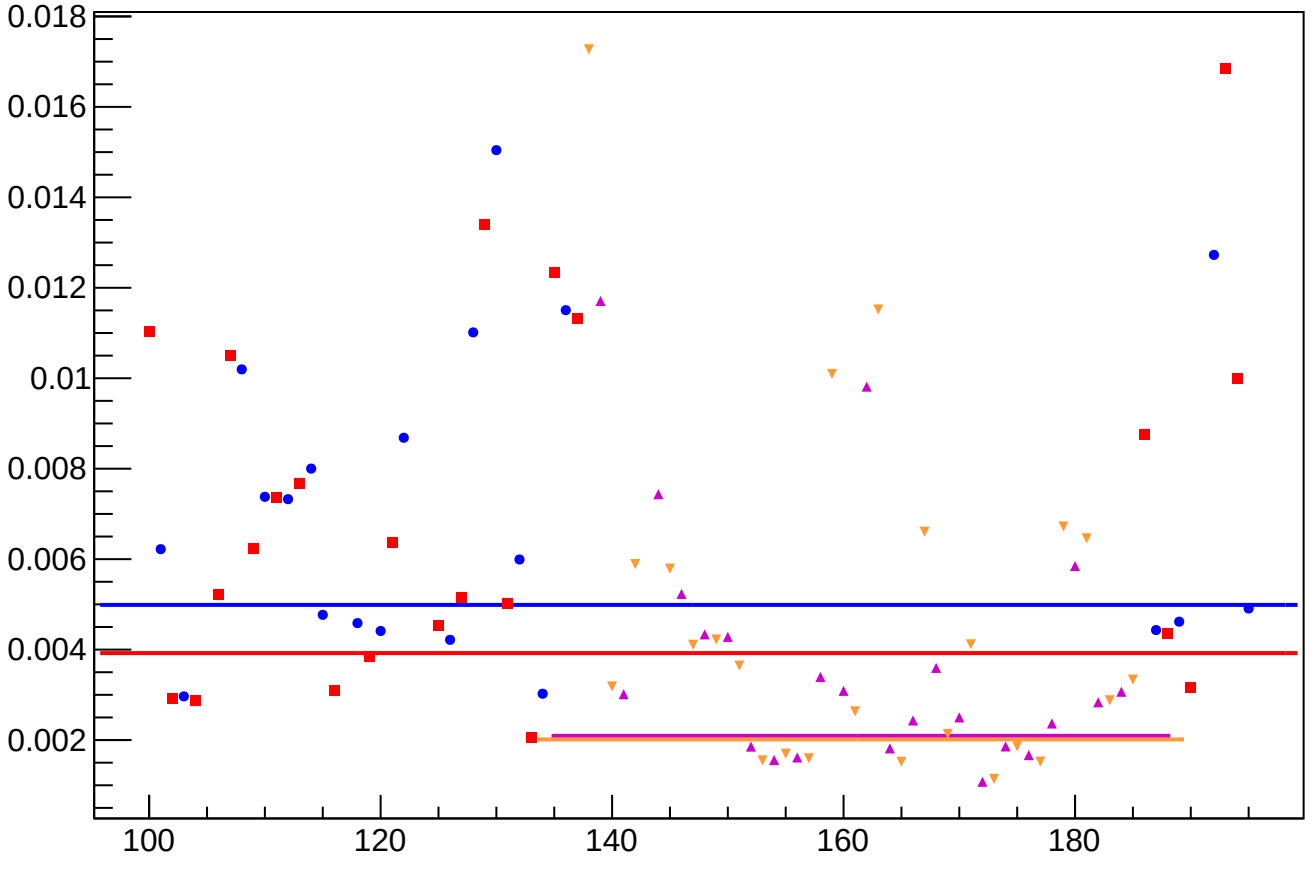
Right: 0.000+/-0.000 χ^2/NDF: 52.4/42

In: 0.000+/-0.000 χ^2/NDF:53.2/42

Out: 0.000+/-0.000 χ^2/NDF:53.8/46

All: 0.000+/-0.000 χ^2/NDF: 107.2/89

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: 3448721.5/19

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 5054781.7/22

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

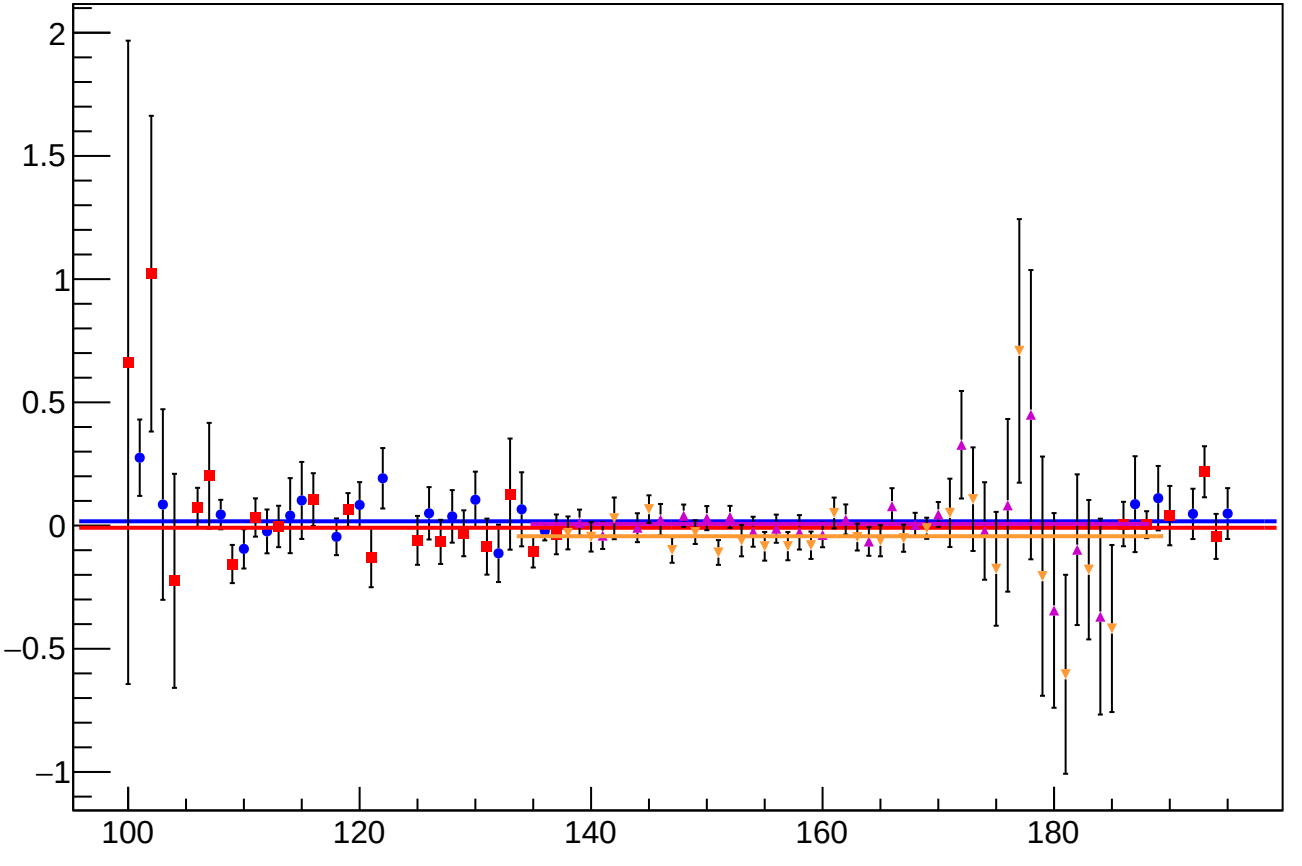
Right: 0.004+/-0.000 χ^2/NDF: 8925386.4/42

In: 0.002+/-0.000 χ^2/NDF:15054606.6/42

Out: 0.002+/-0.000 χ^2/NDF:18461906.7/46

All: 0.002+/-0.000 χ^2/NDF: 33549434.5/89

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

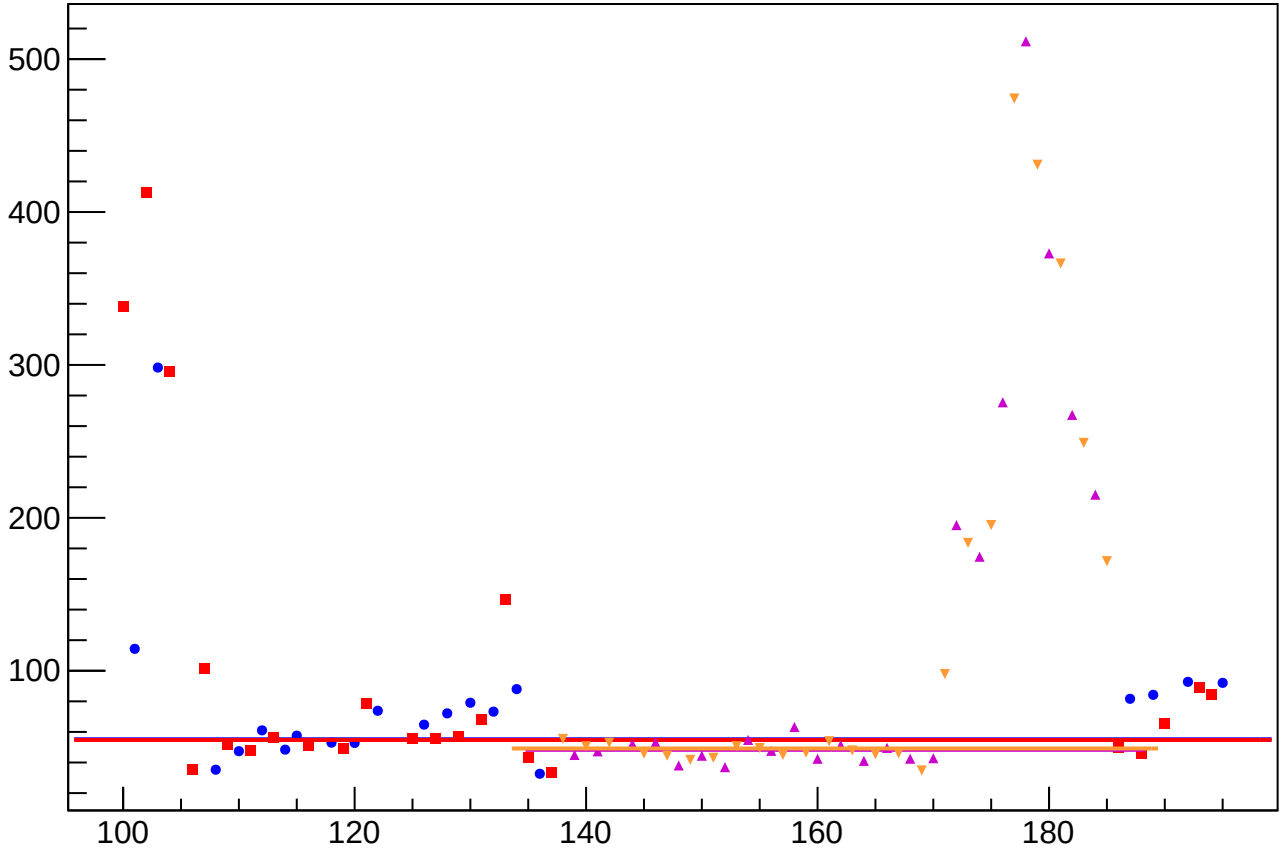
Right: 0.004+/-0.014 χ^2/NDF: 35.0/42

In: 0.010+/-0.011 χ^2/NDF:24.1/42

Out: -0.032+/-0.011 χ^2/NDF:42.4/46

All: -0.011+/-0.008 χ^2/NDF: 73.3/89

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.177+/-0.015 χ^2/NDF: 3015064.9/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 54.763+/-0.014 χ^2/NDF: 2735740.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

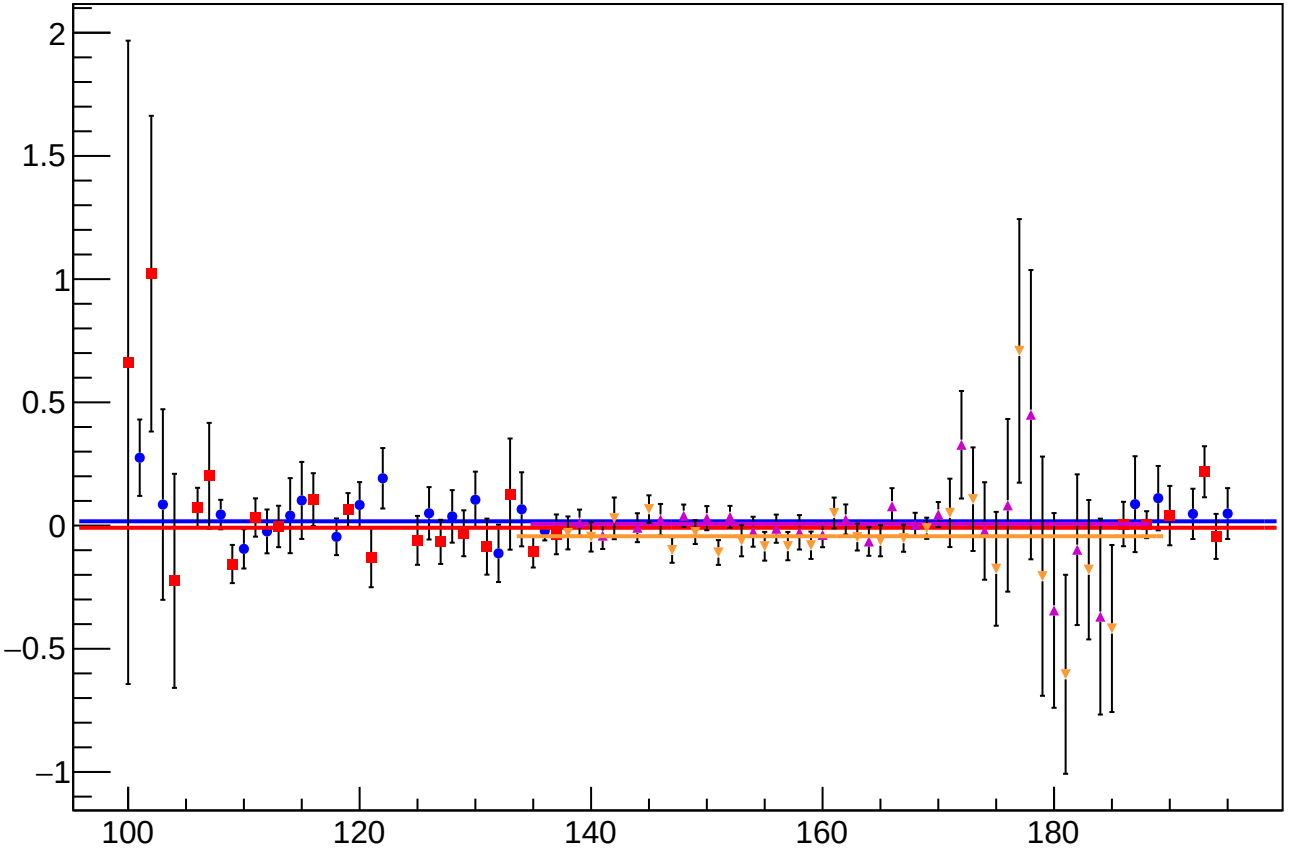
Right: 54.960+/-0.010 χ^2/NDF: 5751232.1/42

In: 50.381+/-0.008 χ^2/NDF:10211507.5/42

Out: 51.053+/-0.008 χ^2/NDF:10094042.4/46

All: 50.716+/-0.006 χ^2/NDF: 20309077.6/89

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.021 χ^2/NDF: 12.6/19

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

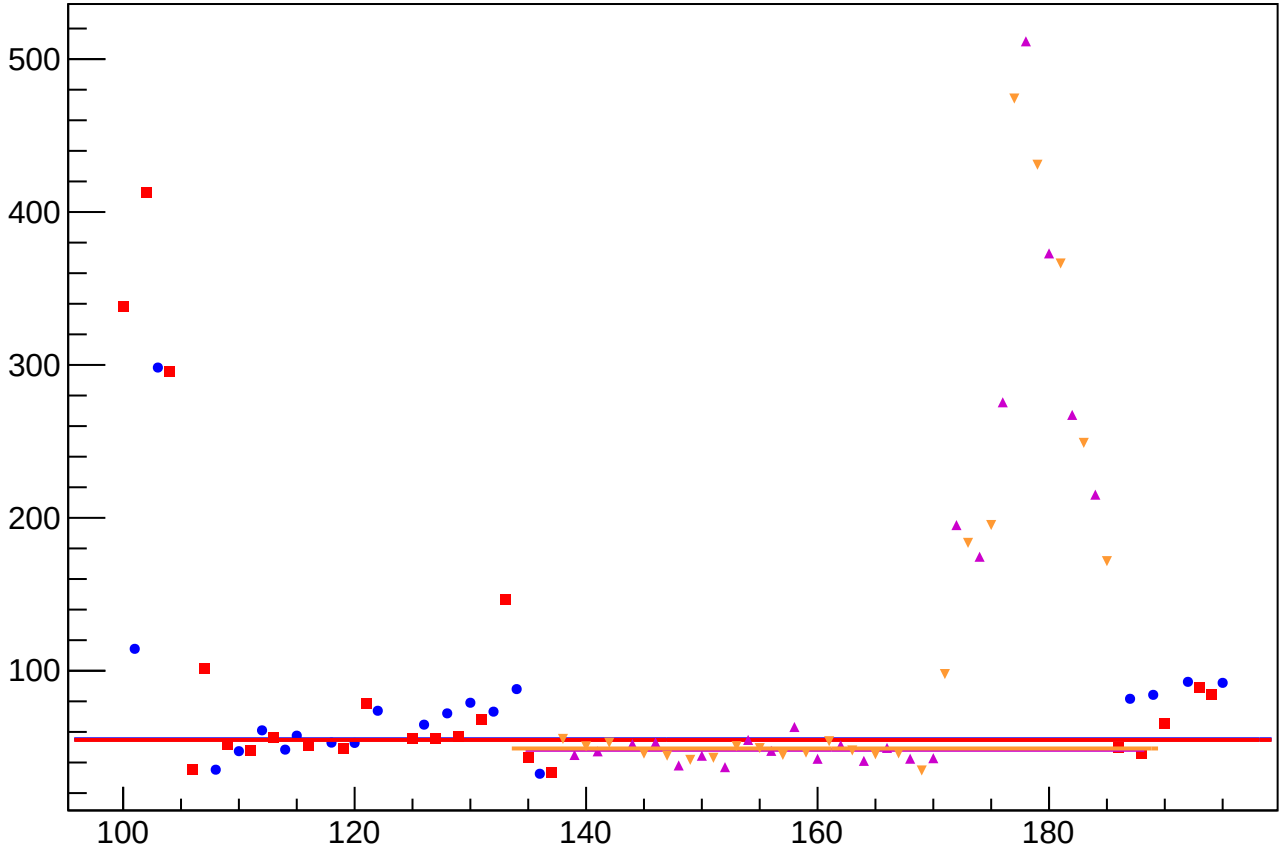
Right: 0.004+/-0.014 χ^2/NDF: 35.0/42

In: 0.010+/-0.011 χ^2/NDF:24.1/42

Out: -0.032+/-0.011 χ^2/NDF:42.4/46

All: -0.011+/-0.008 χ^2/NDF: 73.3/89

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.177+/-0.015 χ^2/NDF: 3015064.9/19

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 54.763+/-0.014 χ^2/NDF: 2735740.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

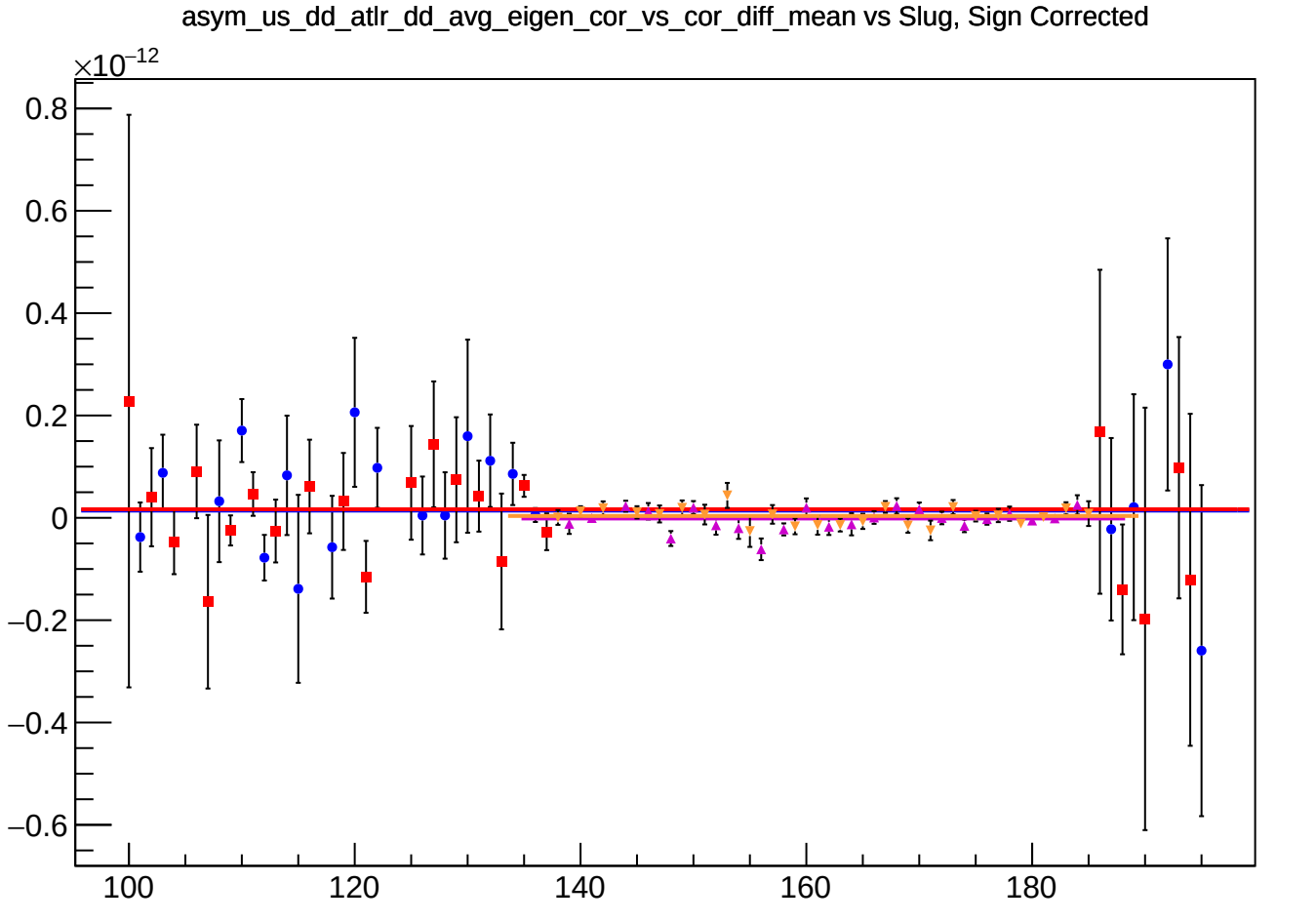
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 54.960+/-0.010 χ^2/NDF: 5751232.1/42

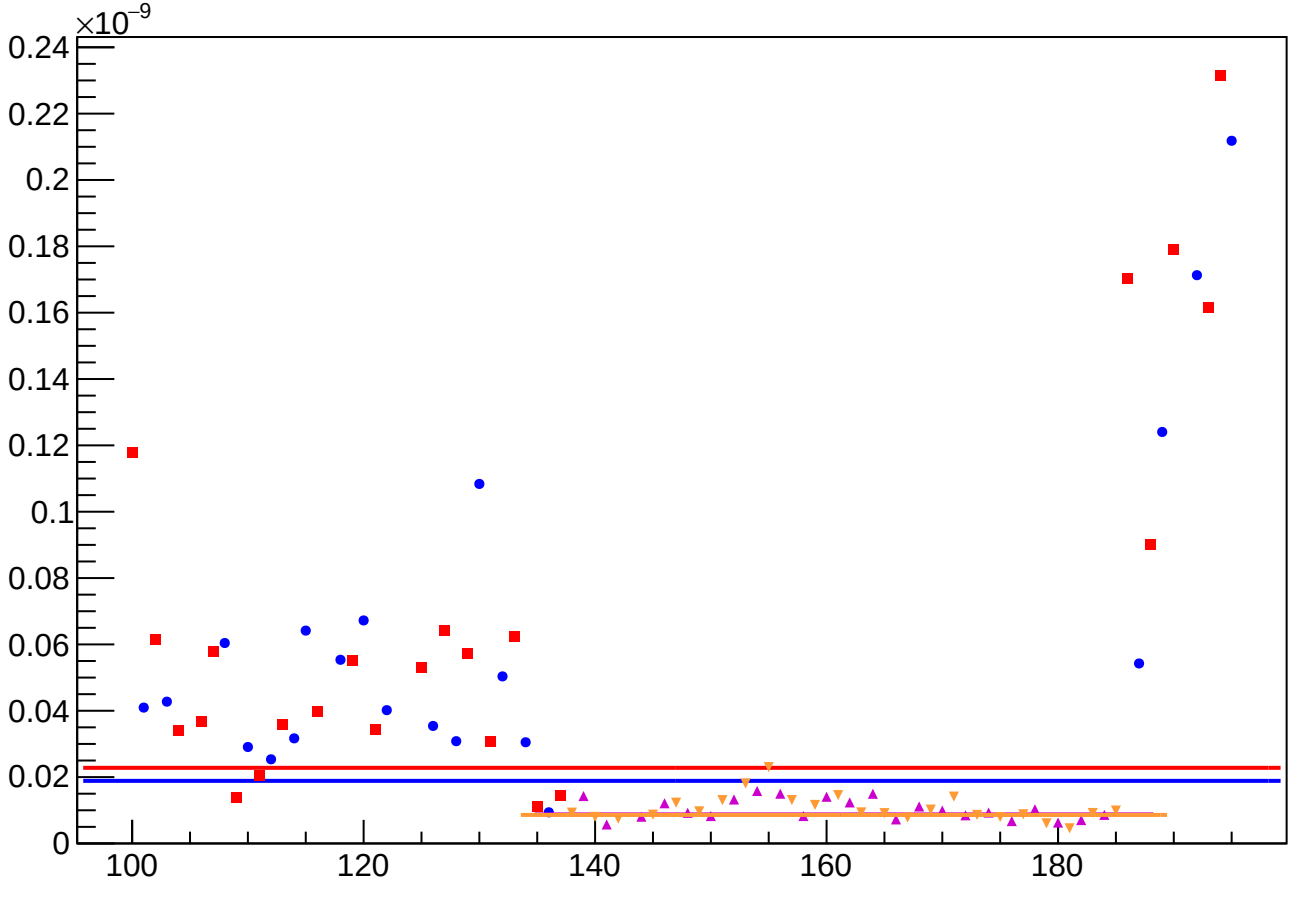
In: 50.381+/-0.008 χ^2/NDF:10211507.5/42

Out: 51.053+/-0.008 χ^2/NDF:10094042.4/46

All: 50.716+/-0.006 χ^2/NDF: 20309077.6/89


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 22.4/19
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.3/22
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 42.8/42
In: -0.000+/-0.000 χ²/NDF:64.3/42
Out: 0.000+/-0.000 χ²/NDF:46.0/46
All: 0.000+/-0.000 χ²/NDF: 111.8/89

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5423200.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5358475.2/22

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

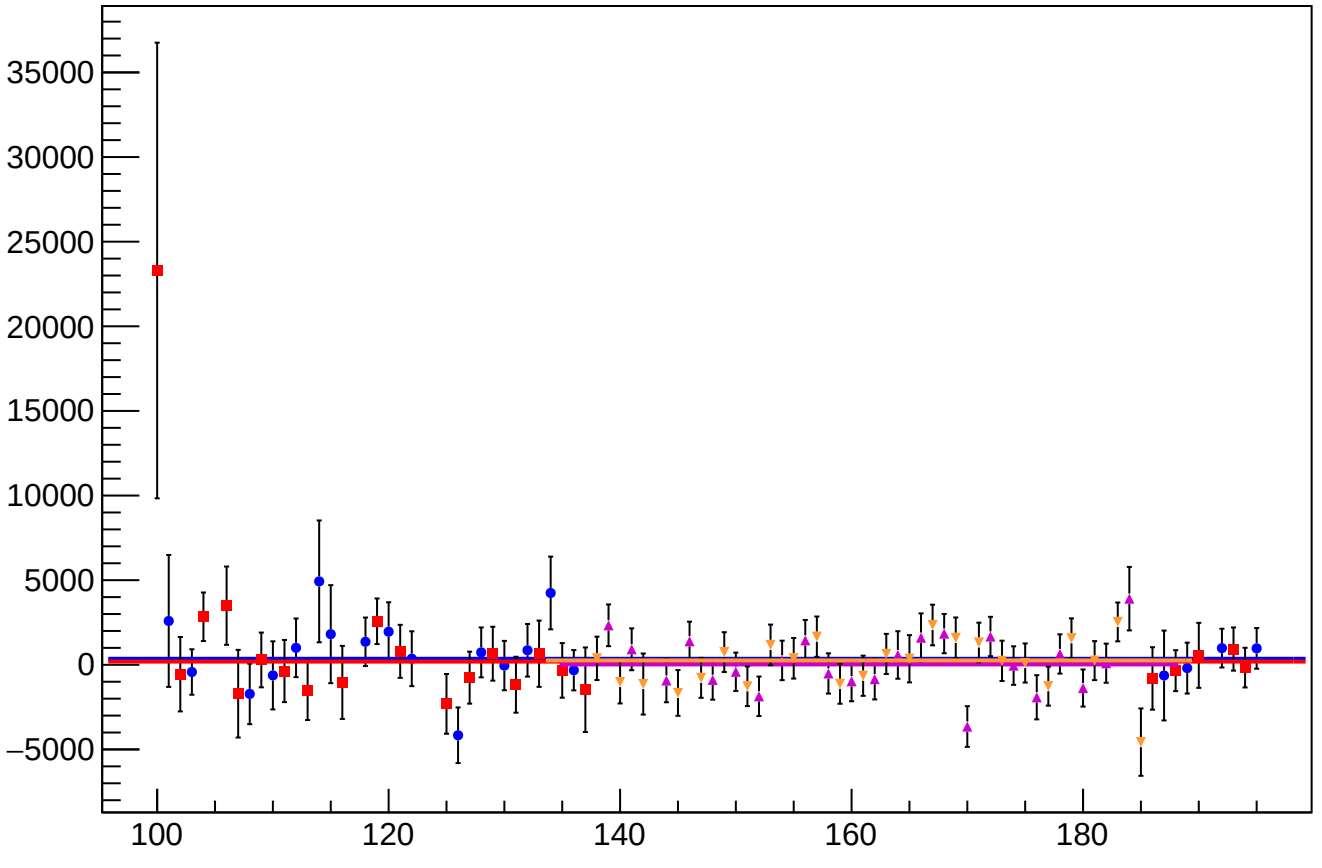
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 10891402.6/42

In: 0.000+/-0.000 χ^2/NDF:8900085.8/42

Out: 0.000+/-0.000 χ^2/NDF:10351508.8/46

All: 0.000+/-0.000 χ^2/NDF: 19252687.0/89



Right In: 355.402+/-363.059 χ^2/NDF: 17.8/19

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 190.146+/-351.213 χ^2/NDF: 18.4/22

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

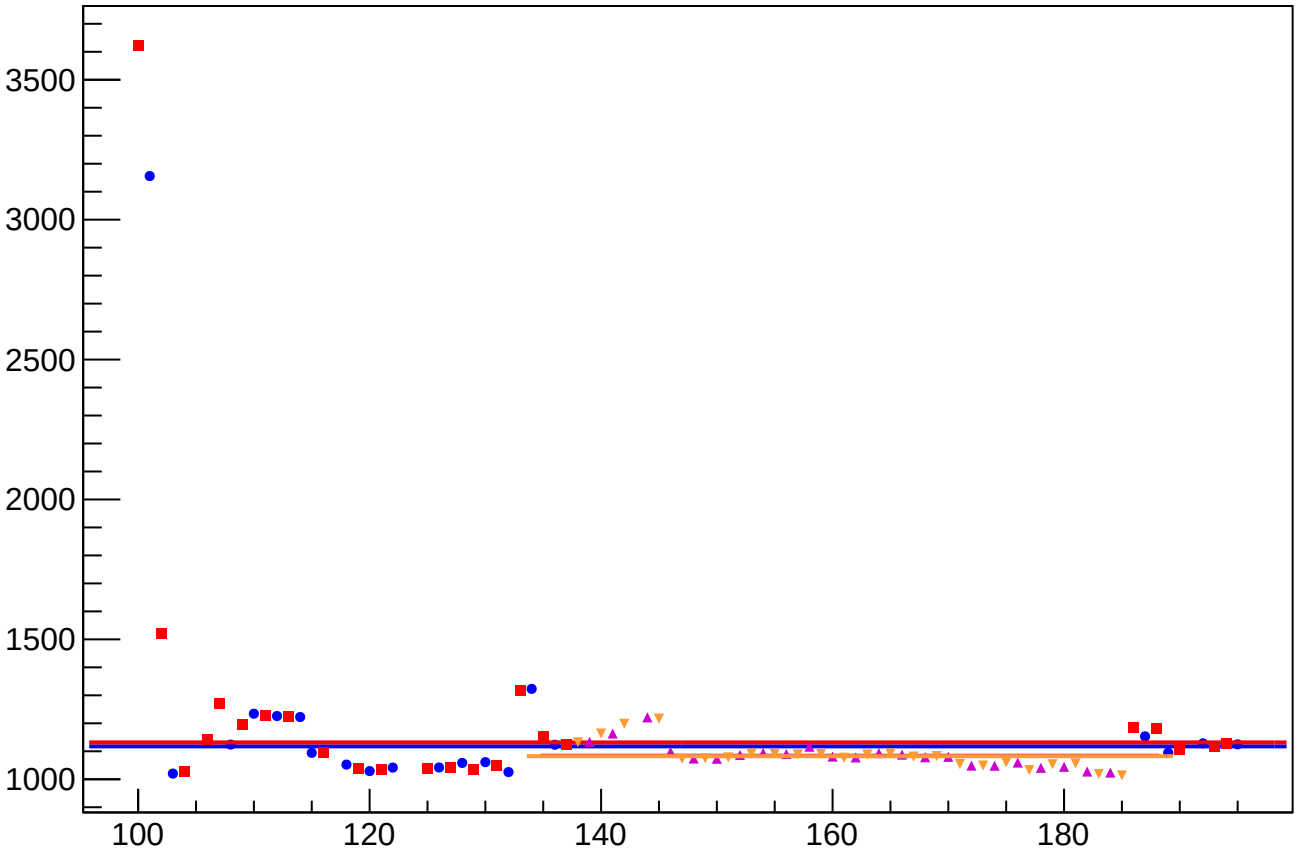
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 270.034+/-252.429 χ^2/NDF: 36.3/42

In: 131.421+/-207.755 χ^2/NDF:54.2/42

Out: 236.764+/-204.426 χ^2/NDF:46.6/46

All: 184.943+/-145.714 χ^2/NDF: 100.9/89



Right In: 1117.558+/-0.257 χ^2/NDF: 624488.9/19

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1131.805+/-0.248 χ^2/NDF: 228346.3/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

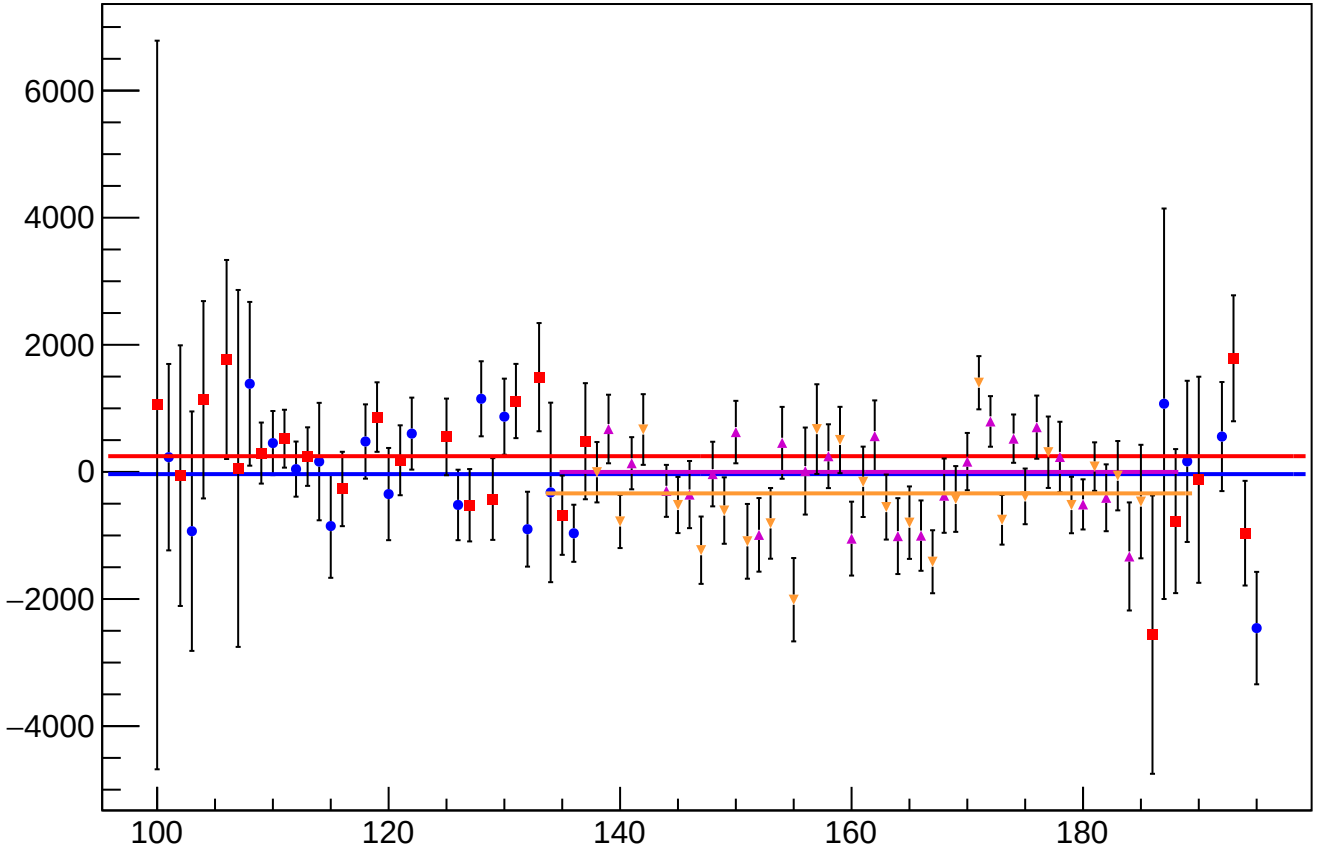
Right: 1124.918+/-0.178 χ^2/NDF: 854426.1/42

In: 1095.100+/-0.147 χ^2/NDF:689306.4/42

Out: 1099.077+/-0.145 χ^2/NDF:312485.3/46

All: 1097.121+/-0.103 χ^2/NDF: 1002163.9/89

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -34.873+/-154.618 χ^2/NDF: 27.4/19

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 247.499+/-149.317 χ^2/NDF: 20.7/22

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

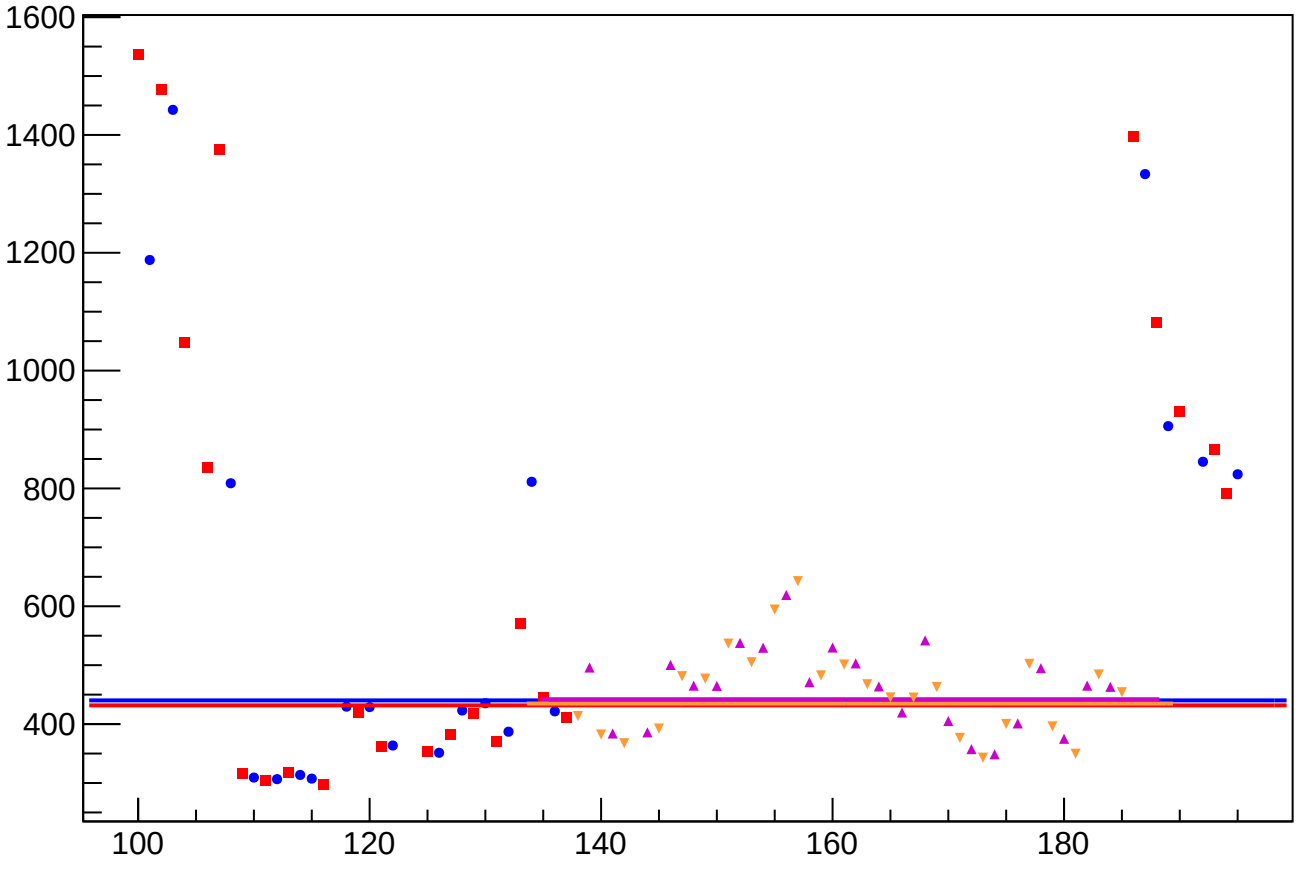
Right: 111.237+/-107.408 χ^2/NDF: 49.8/42

In: -11.343+/-86.712 χ^2/NDF:59.3/42

Out: -150.030+/-84.562 χ^2/NDF:79.9/46

All: -82.427+/-60.540 χ^2/NDF: 140.5/89

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 440.234+/-0.109 χ^2/NDF: 3174725.7/19

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 431.758+/-0.106 χ^2/NDF: 3931334.2/22

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

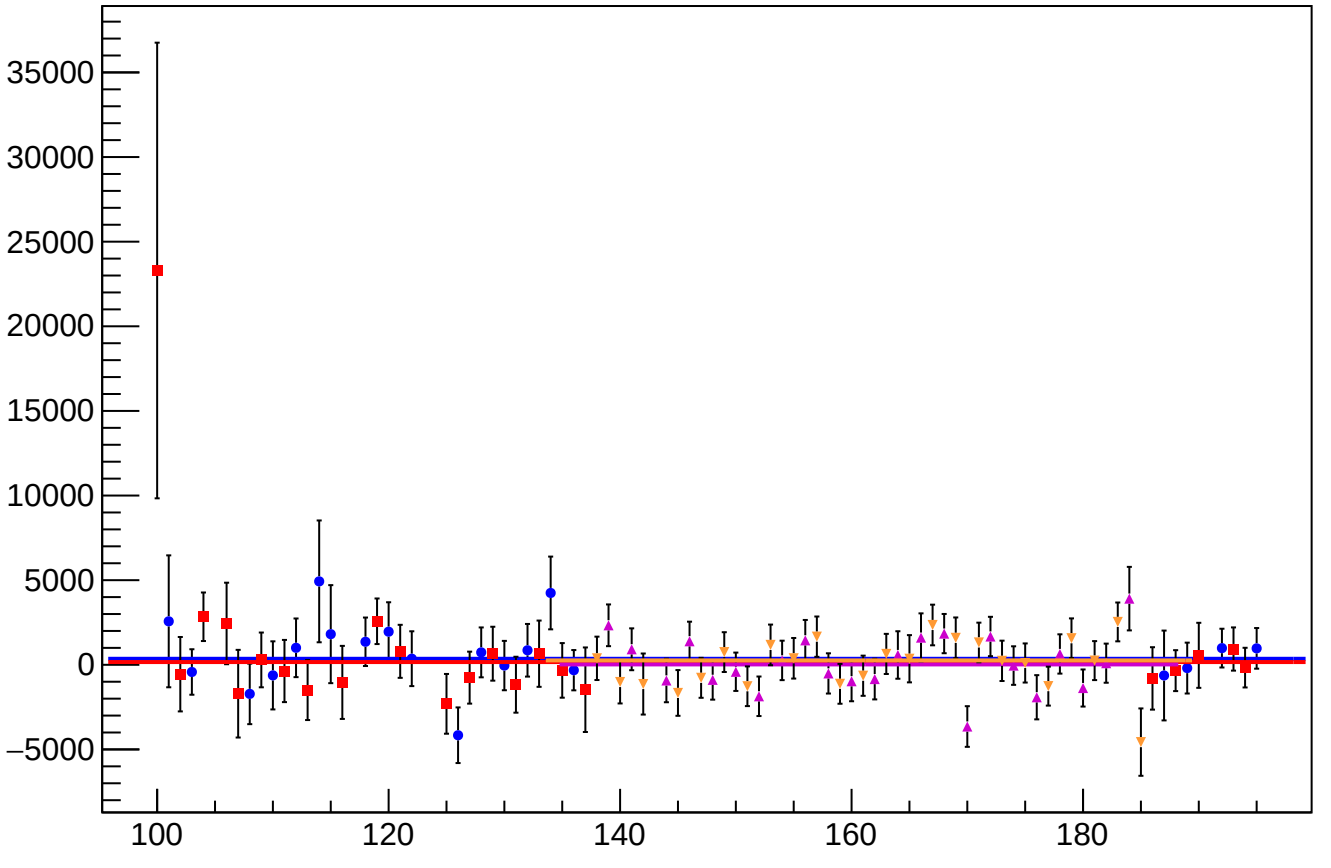
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 435.848+/-0.076 χ^2/NDF: 7109169.7/42

In: 441.587+/-0.061 χ^2/NDF:4000921.6/42

Out: 433.864+/-0.060 χ^2/NDF:4810336.4/46

All: 437.629+/-0.043 χ^2/NDF: 8819390.5/89



Right In: 355.180+/-363.059 χ^2/NDF: 17.8/19

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 161.871+/-351.526 χ^2/NDF: 17.2/22

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

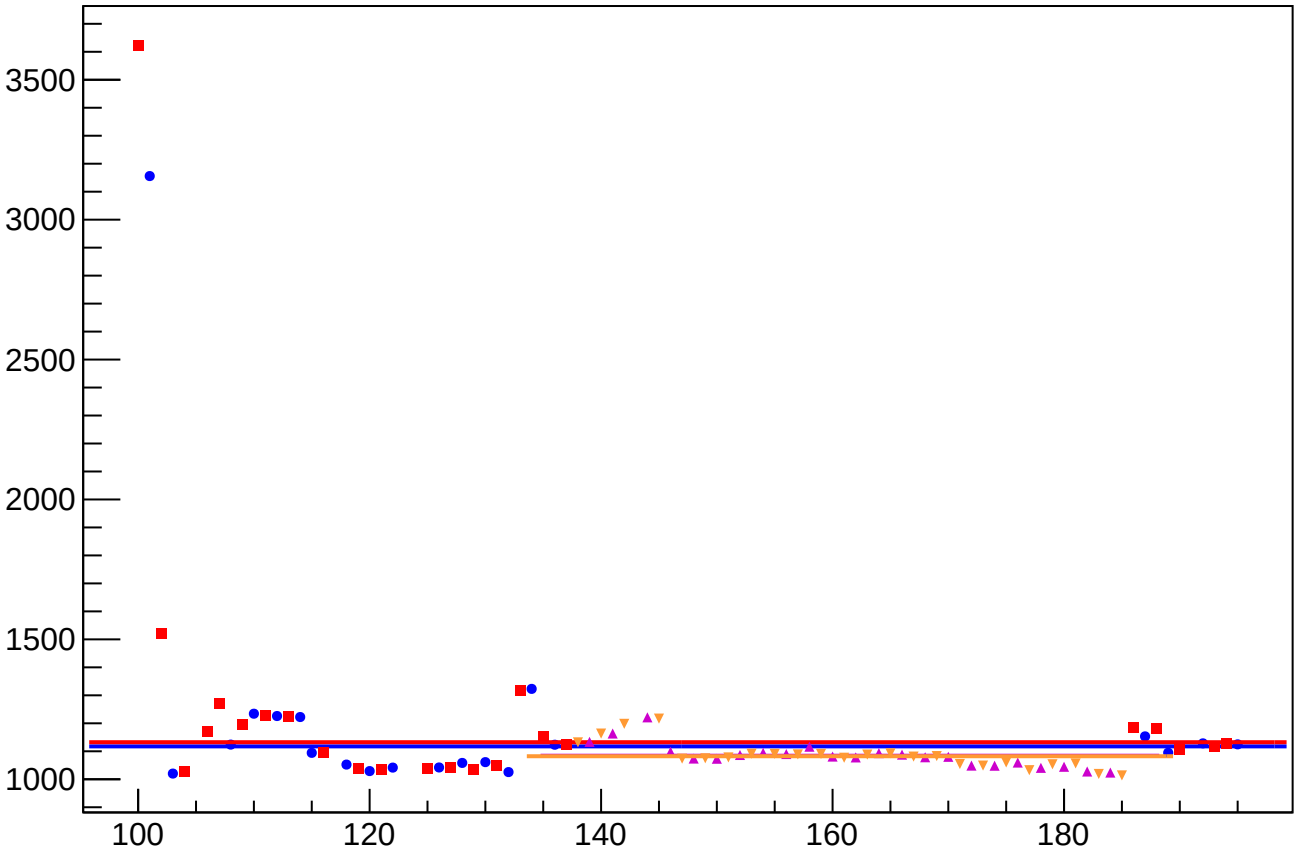
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 255.406+/-252.545 χ^2/NDF: 35.2/42

In: 131.344+/-207.755 χ^2/NDF:54.2/42

Out: 227.217+/-204.488 χ^2/NDF:45.5/46

All: 180.040+/-145.736 χ^2/NDF: 99.8/89



Right In: 1117.558+/-0.257 χ^2/NDF: 624489.9/19

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1132.458+/-0.249 χ^2/NDF: 228862.1/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

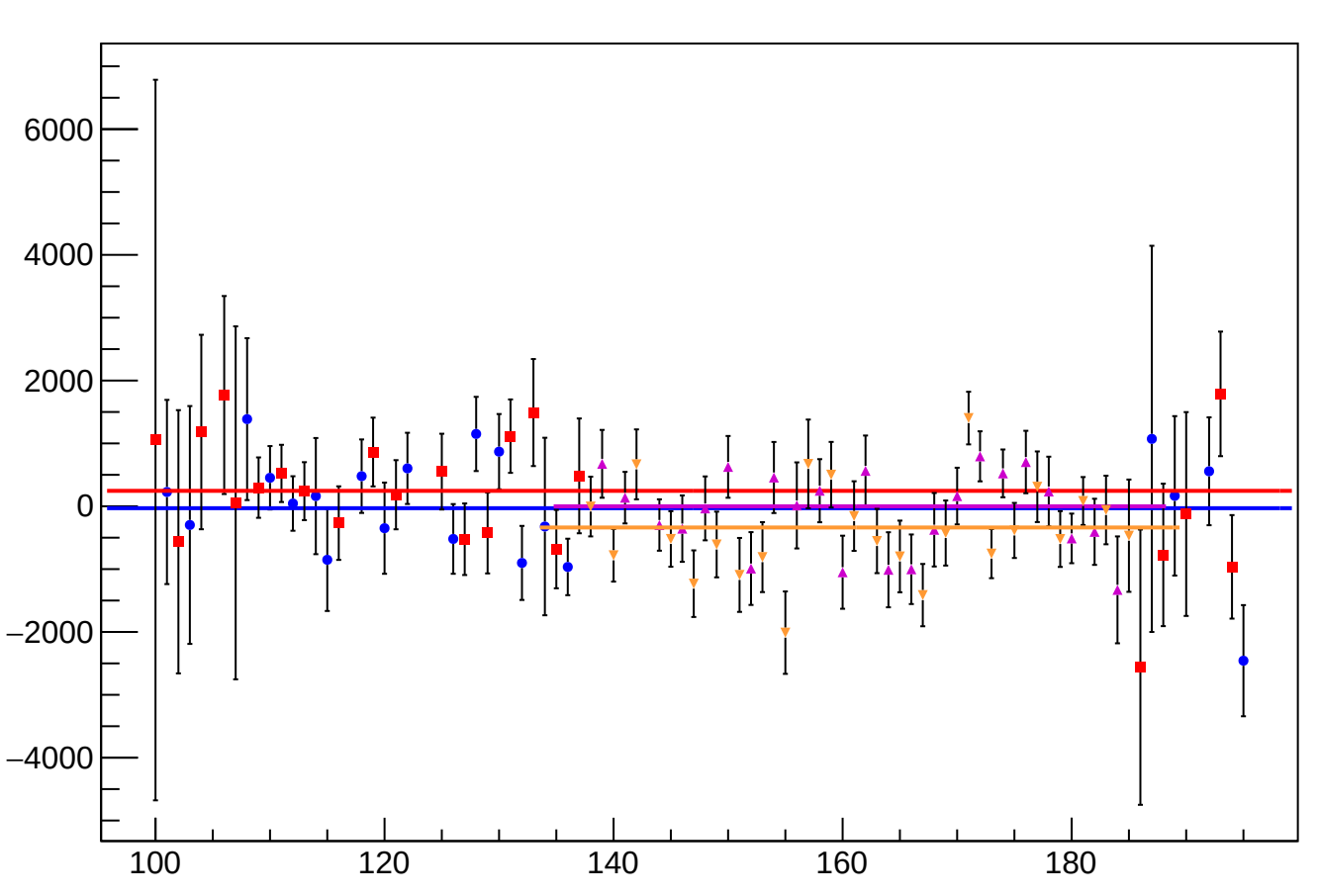
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.248+/-0.179 χ^2/NDF: 855090.6/42

In: 1095.100+/-0.147 χ^2/NDF:689307.3/42

Out: 1099.278+/-0.145 χ^2/NDF:313666.5/46

All: 1097.222+/-0.103 χ^2/NDF: 1003384.5/89



Right In: -30.761+/-154.619 χ^2/NDF: 27.2/19

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 245.362+/-149.337 χ^2/NDF: 20.8/22

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

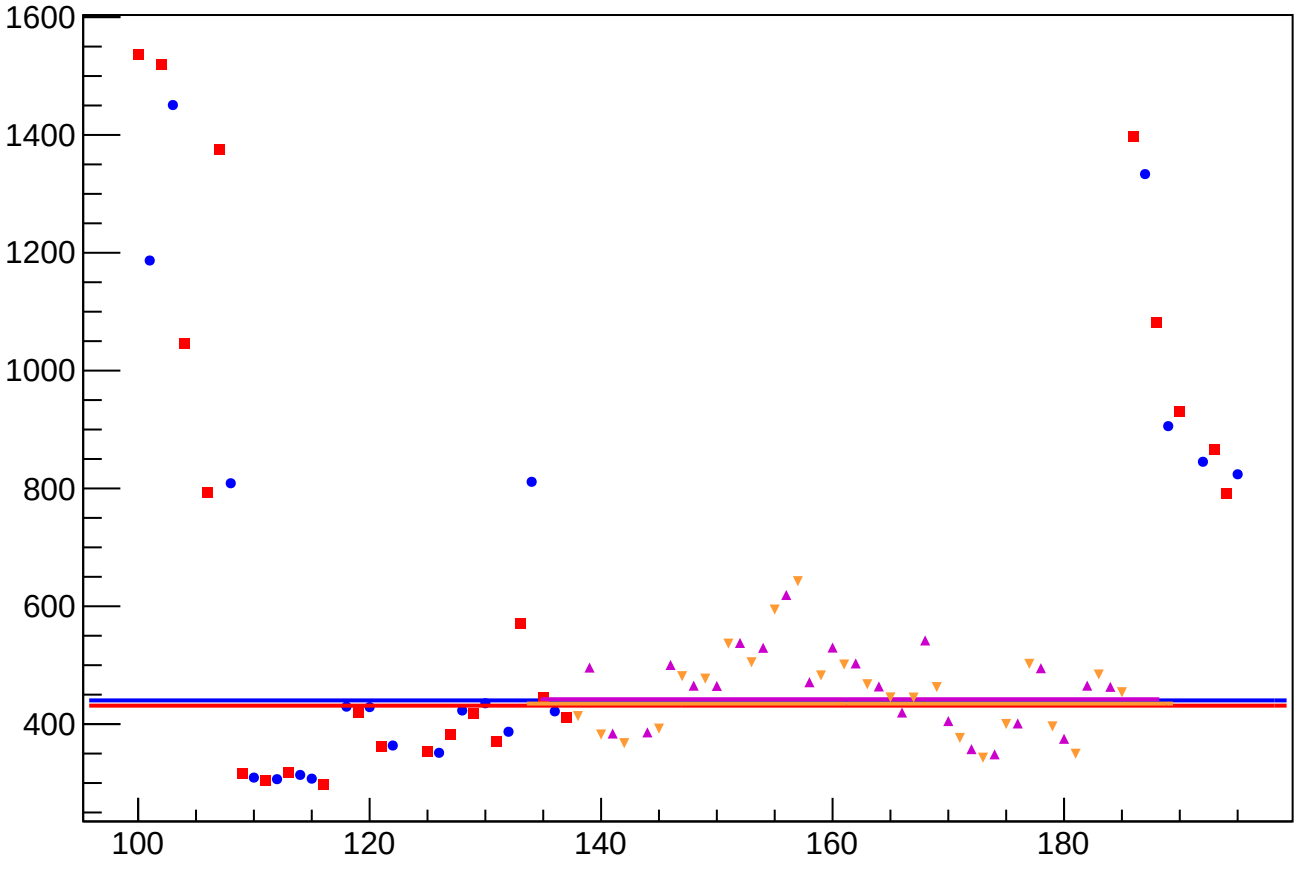
Right: 112.097+/-107.416 χ^2/NDF: 49.7/42

In: -10.063+/-86.713 χ^2/NDF:59.1/42

Out: -150.812+/-84.565 χ^2/NDF:80.0/46

All: -82.202+/-60.542 χ^2/NDF: 140.4/89

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 440.223+/-0.109 χ^2/NDF: 3178469.2/19

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 431.346+/-0.106 χ^2/NDF: 3922808.2/22

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

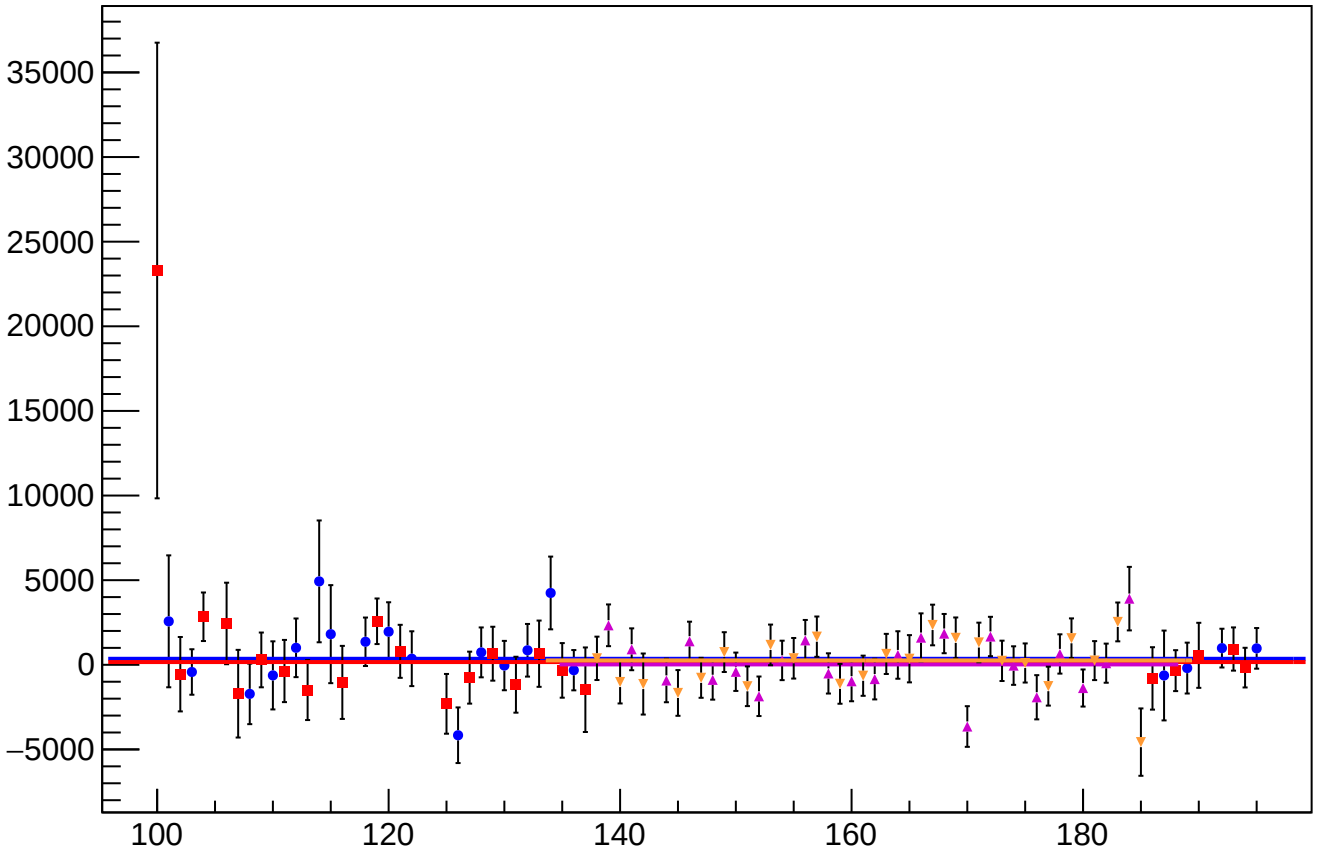
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 435.630+/-0.076 χ^2/NDF: 7104688.3/42

In: 441.585+/-0.061 χ^2/NDF:4004539.9/42

Out: 433.730+/-0.060 χ^2/NDF:4802066.0/46

All: 437.559+/-0.043 χ^2/NDF: 8815016.7/89



Right In: 355.180+/-363.059 χ^2/NDF: 17.8/19

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 161.871+/-351.526 χ^2/NDF: 17.2/22

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

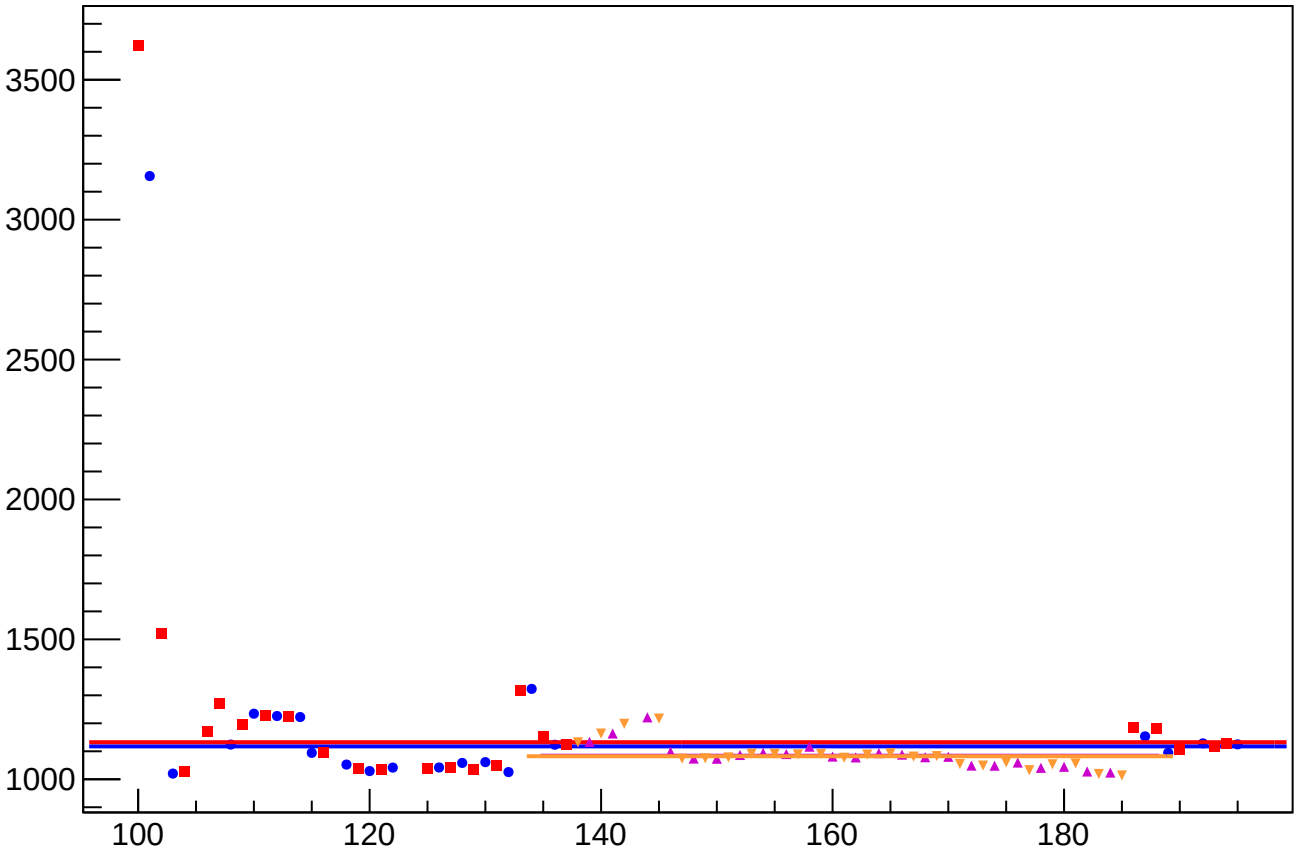
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 255.406+/-252.545 χ^2/NDF: 35.2/42

In: 131.344+/-207.755 χ^2/NDF:54.2/42

Out: 227.217+/-204.488 χ^2/NDF:45.5/46

All: 180.040+/-145.736 χ^2/NDF: 99.8/89



Right In: 1117.558+/-0.257 χ^2/NDF: 624489.9/19

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1132.458+/-0.249 χ^2/NDF: 228862.1/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

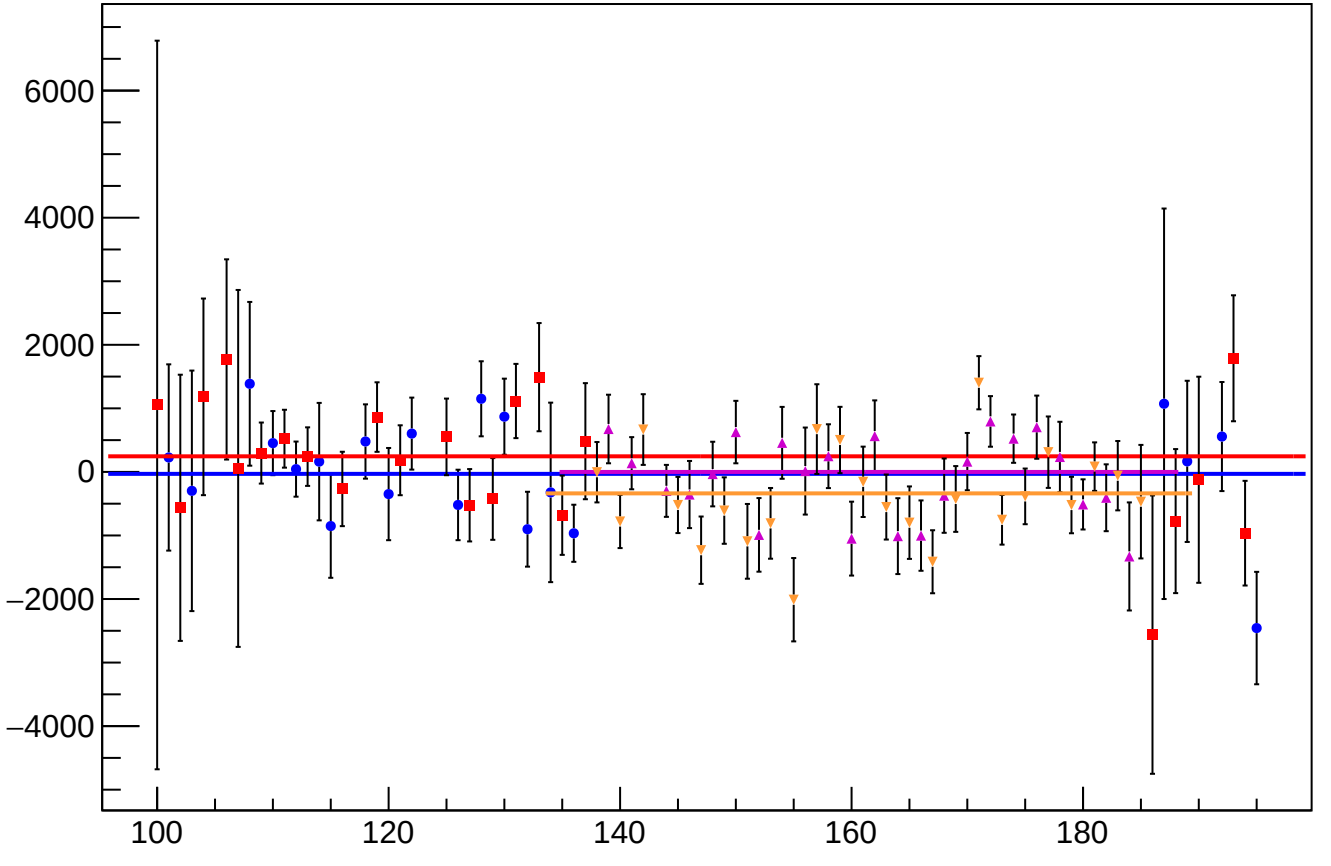
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.248+/-0.179 χ^2/NDF: 855090.6/42

In: 1095.100+/-0.147 χ^2/NDF:689307.3/42

Out: 1099.278+/-0.145 χ^2/NDF:313666.5/46

All: 1097.222+/-0.103 χ^2/NDF: 1003384.5/89



Right In: -30.761+/-154.619 χ^2/NDF: 27.2/19

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 245.362+/-149.337 χ^2/NDF: 20.8/22

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

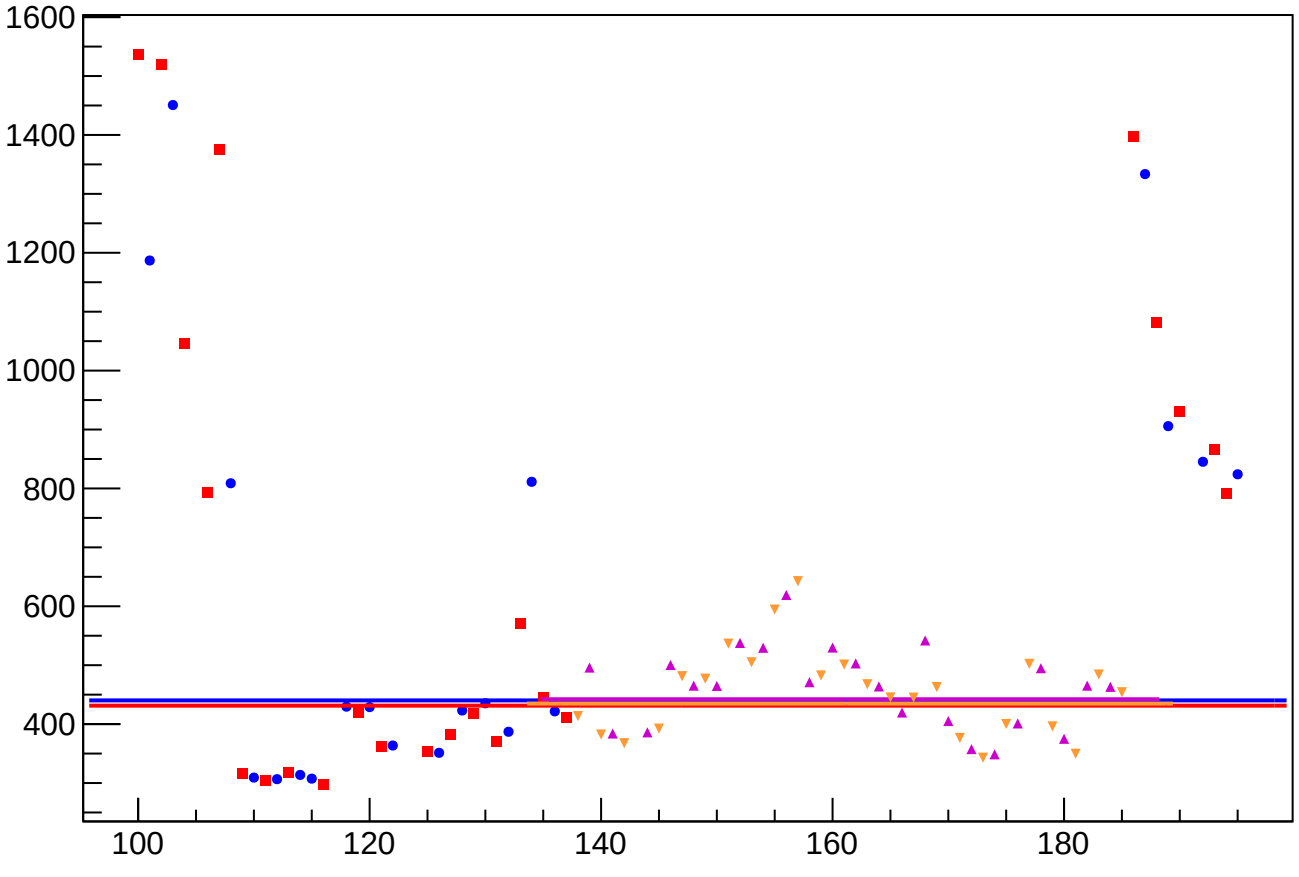
Right: 112.097+/-107.416 χ^2/NDF: 49.7/42

In: -10.063+/-86.713 χ^2/NDF:59.1/42

Out: -150.812+/-84.565 χ^2/NDF:80.0/46

All: -82.202+/-60.542 χ^2/NDF: 140.4/89

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 440.223+/-0.109 χ^2/NDF: 3178469.2/19

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 431.346+/-0.106 χ^2/NDF: 3922808.2/22

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

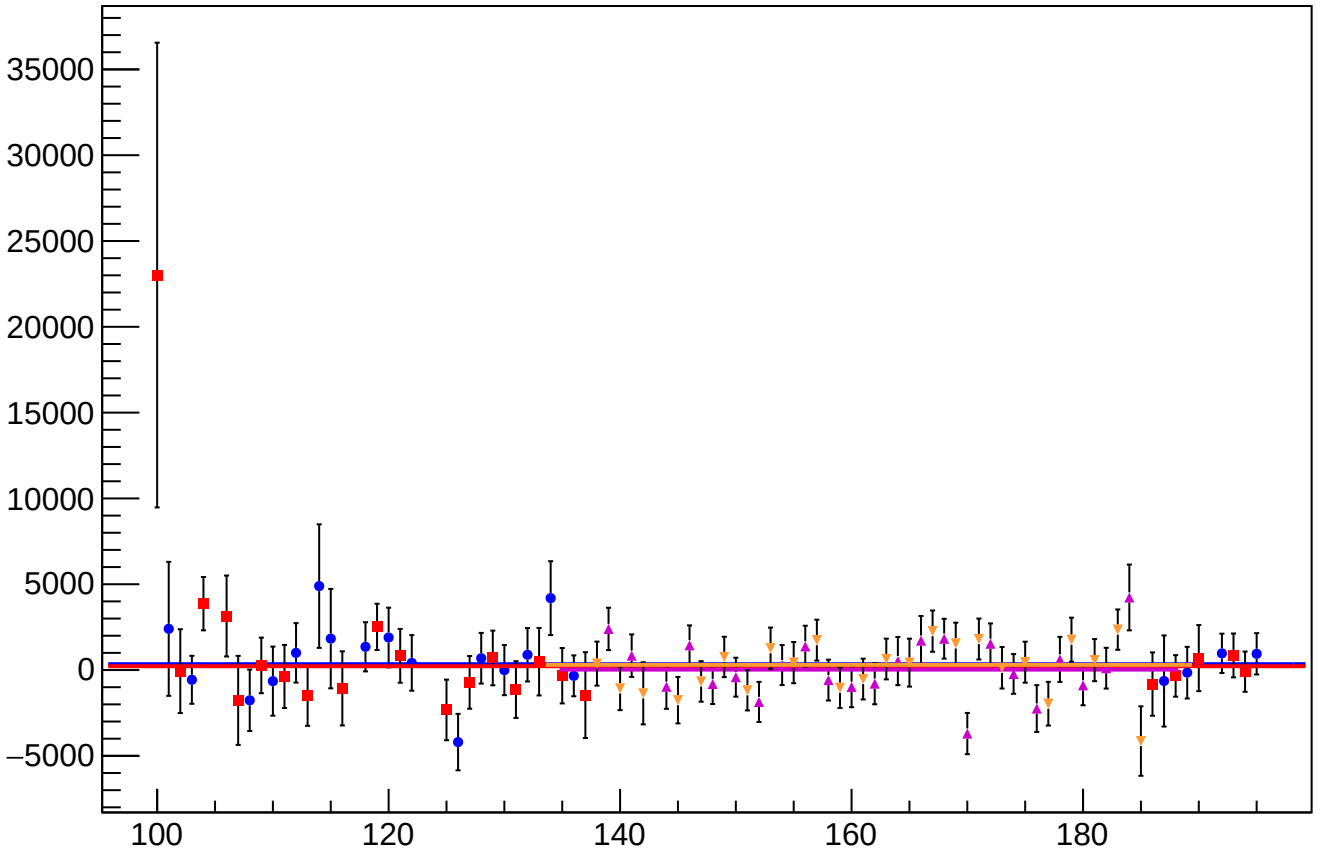
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 435.630+/-0.076 χ^2/NDF: 7104688.3/42

In: 441.585+/-0.061 χ^2/NDF:4004539.9/42

Out: 433.730+/-0.060 χ^2/NDF:4802066.0/46

All: 437.559+/-0.043 χ^2/NDF: 8815016.7/89



Right In: 339.617+/-364.431 χ^2/NDF: 17.8/19

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 222.782+/-354.087 χ^2/NDF: 19.6/22

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

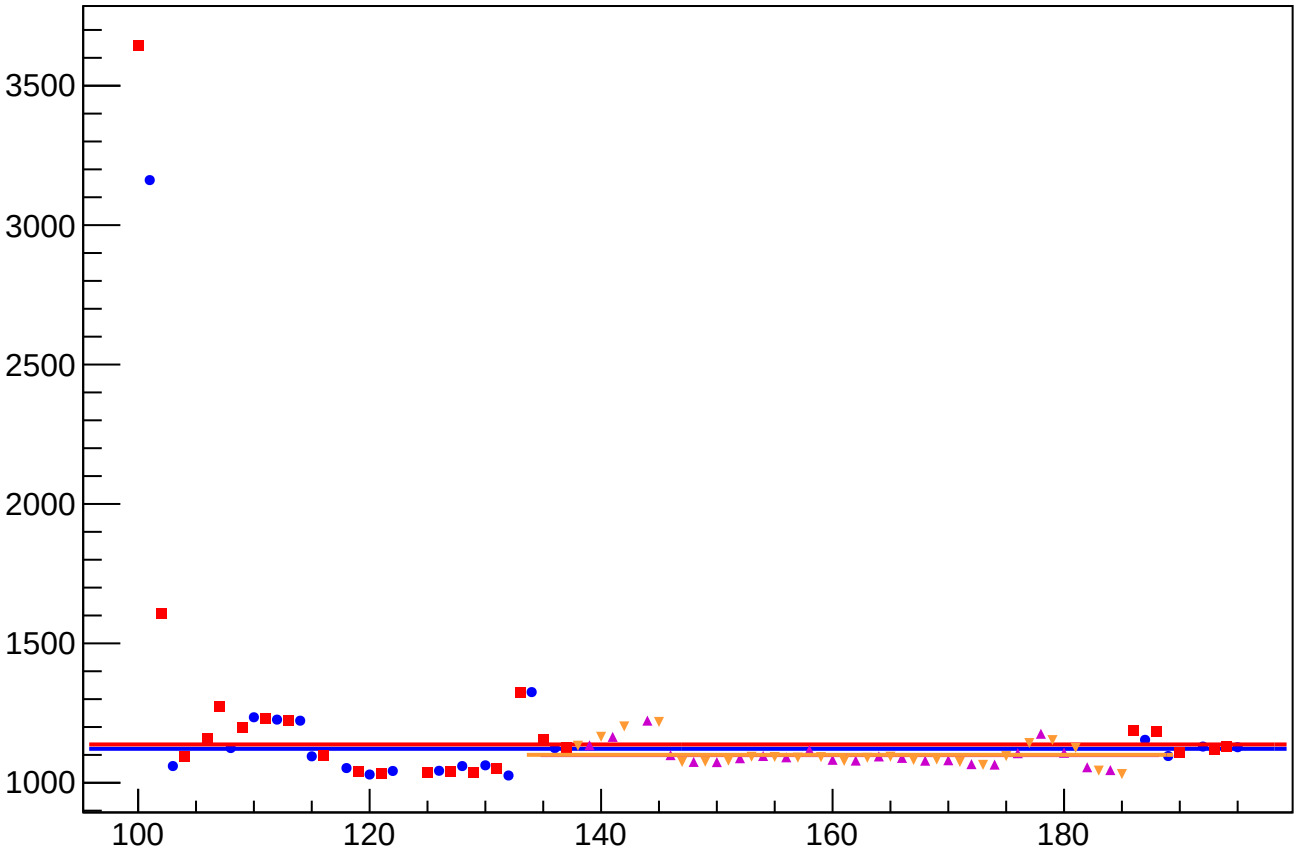
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 279.518+/-253.955 χ^2/NDF: 37.5/42

In: 129.637+/-209.954 χ^2/NDF:54.2/42

Out: 275.791+/-207.222 χ^2/NDF:48.1/46

All: 203.671+/-147.485 χ^2/NDF: 102.5/89



Right In: 1121.871+/-0.258 χ^2/NDF: 618064.9/19

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1137.540+/-0.250 χ^2/NDF: 232902.2/22

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

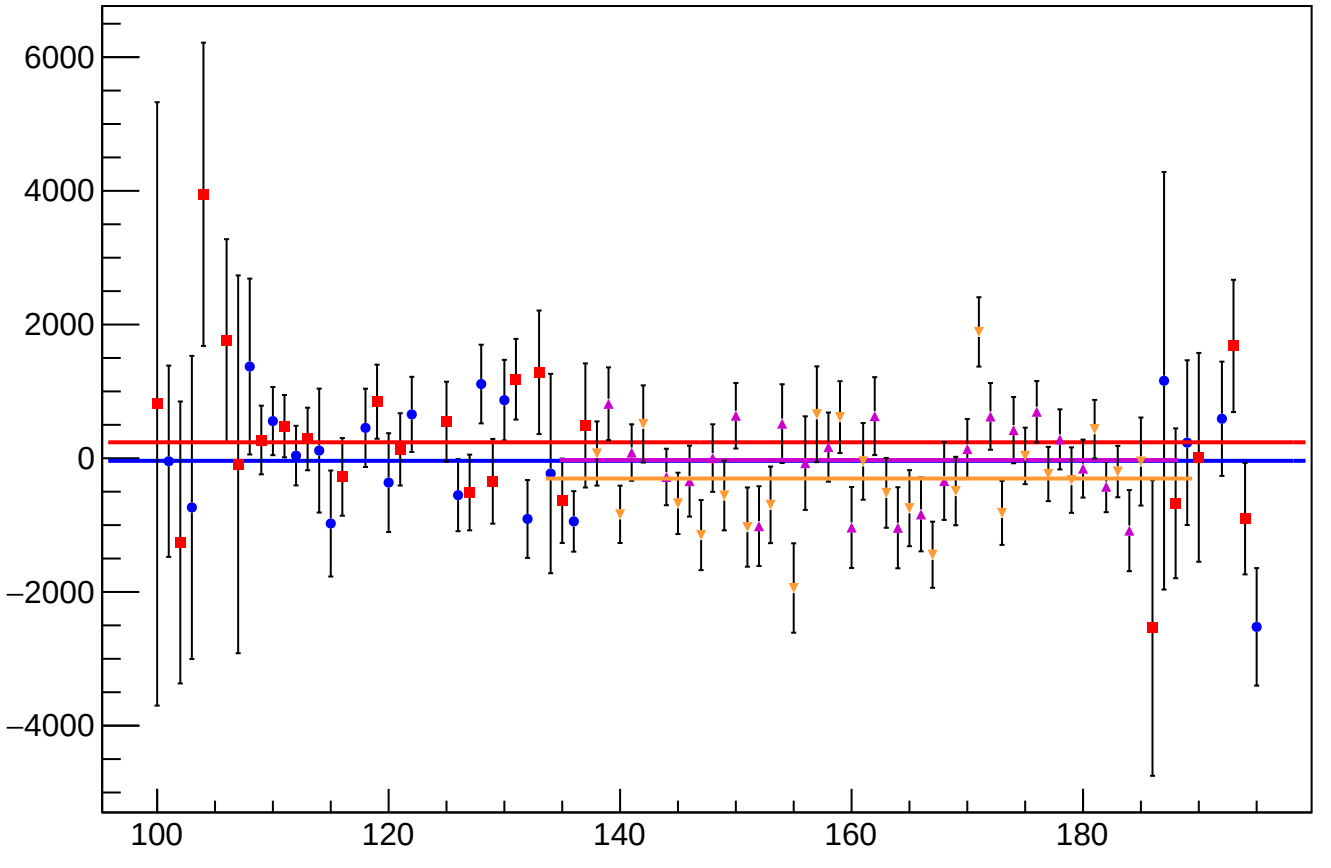
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1129.931+/-0.180 χ^2/NDF: 852869.1/42

In: 1106.819+/-0.148 χ^2/NDF:667956.8/42

Out: 1113.027+/-0.147 χ^2/NDF:296254.9/46

All: 1109.964+/-0.104 χ^2/NDF: 965097.4/89



Right In: -38.480+/-155.043 χ^2/NDF: 28.5/19

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 238.957+/-151.598 χ^2/NDF: 21.4/22

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

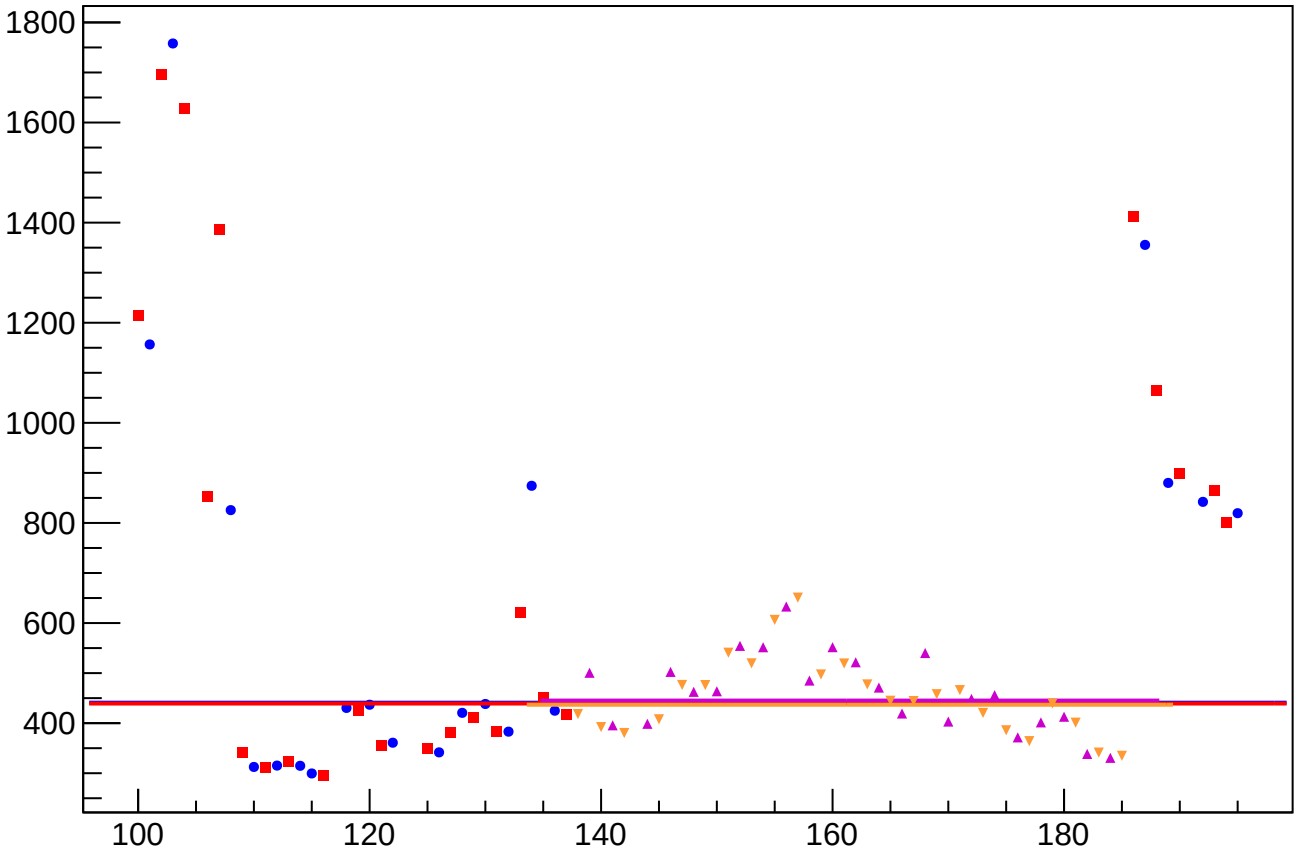
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: 103.355+/-108.393 χ^2/NDF: 51.5/42

In: -30.452+/-87.177 χ^2/NDF:56.3/42

Out: -132.029+/-85.184 χ^2/NDF:79.7/46

All: -82.415+/-60.927 χ^2/NDF: 136.7/89



Right In: 440.903+/-0.110 χ^2/NDF: 3272632.7/19

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 439.232+/-0.107 χ^2/NDF: 4301798.9/22

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

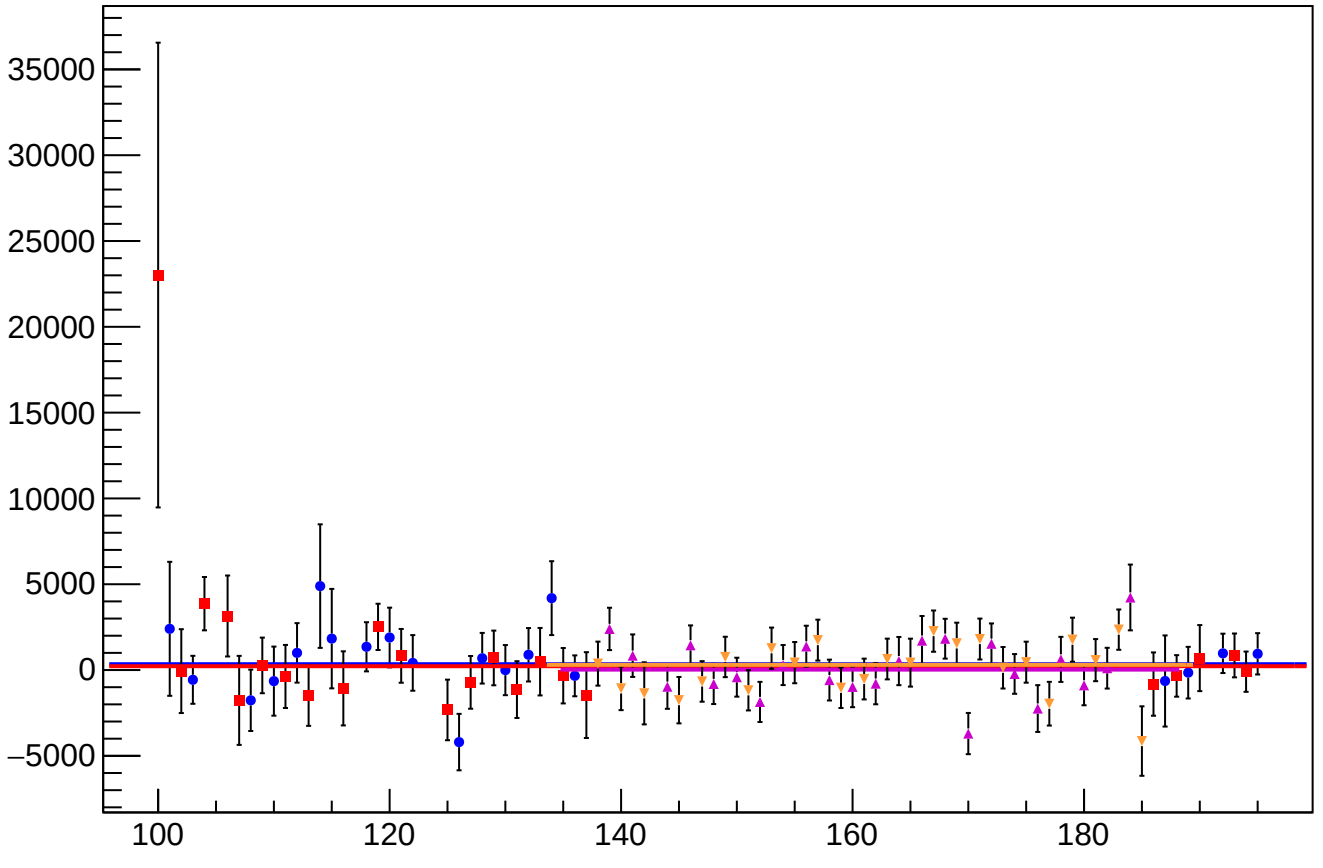
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 440.049+/-0.077 χ^2/NDF: 7574550.3/42

In: 443.779+/-0.062 χ^2/NDF:4148174.1/42

Out: 437.559+/-0.060 χ^2/NDF:5157361.2/46

All: 440.597+/-0.043 χ^2/NDF: 9310743.7/89



Right In: 339.620+/-364.431 χ^2/NDF: 17.8/19

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 222.782+/-354.087 χ^2/NDF: 19.6/22

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

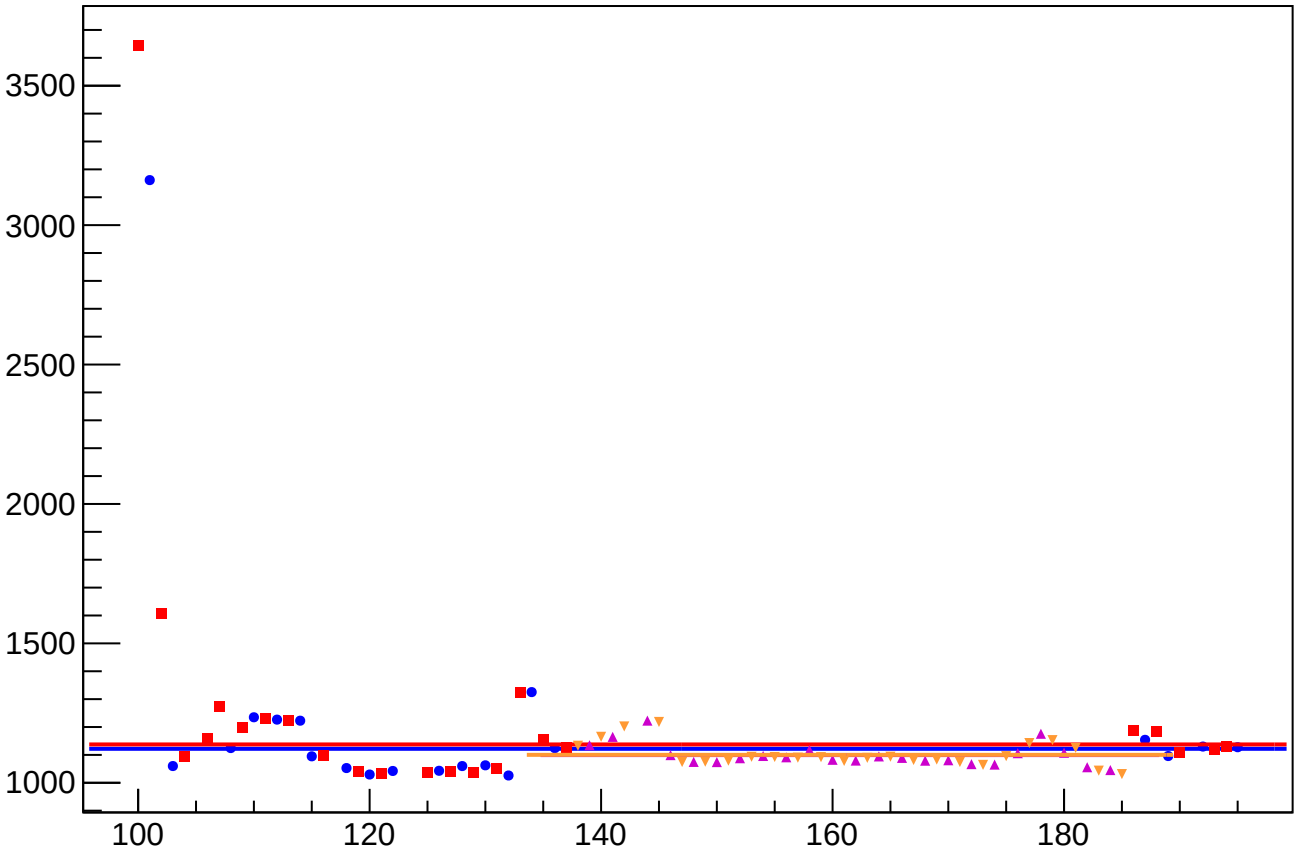
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 279.519+/-253.955 χ^2/NDF: 37.5/42

In: 129.639+/-209.954 χ^2/NDF:54.2/42

Out: 275.790+/-207.222 χ^2/NDF:48.1/46

All: 203.671+/-147.485 χ^2/NDF: 102.5/89



Right In: 1121.871+/-0.258 χ^2/NDF: 618064.9/19

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1137.540+/-0.250 χ^2/NDF: 232902.2/22

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

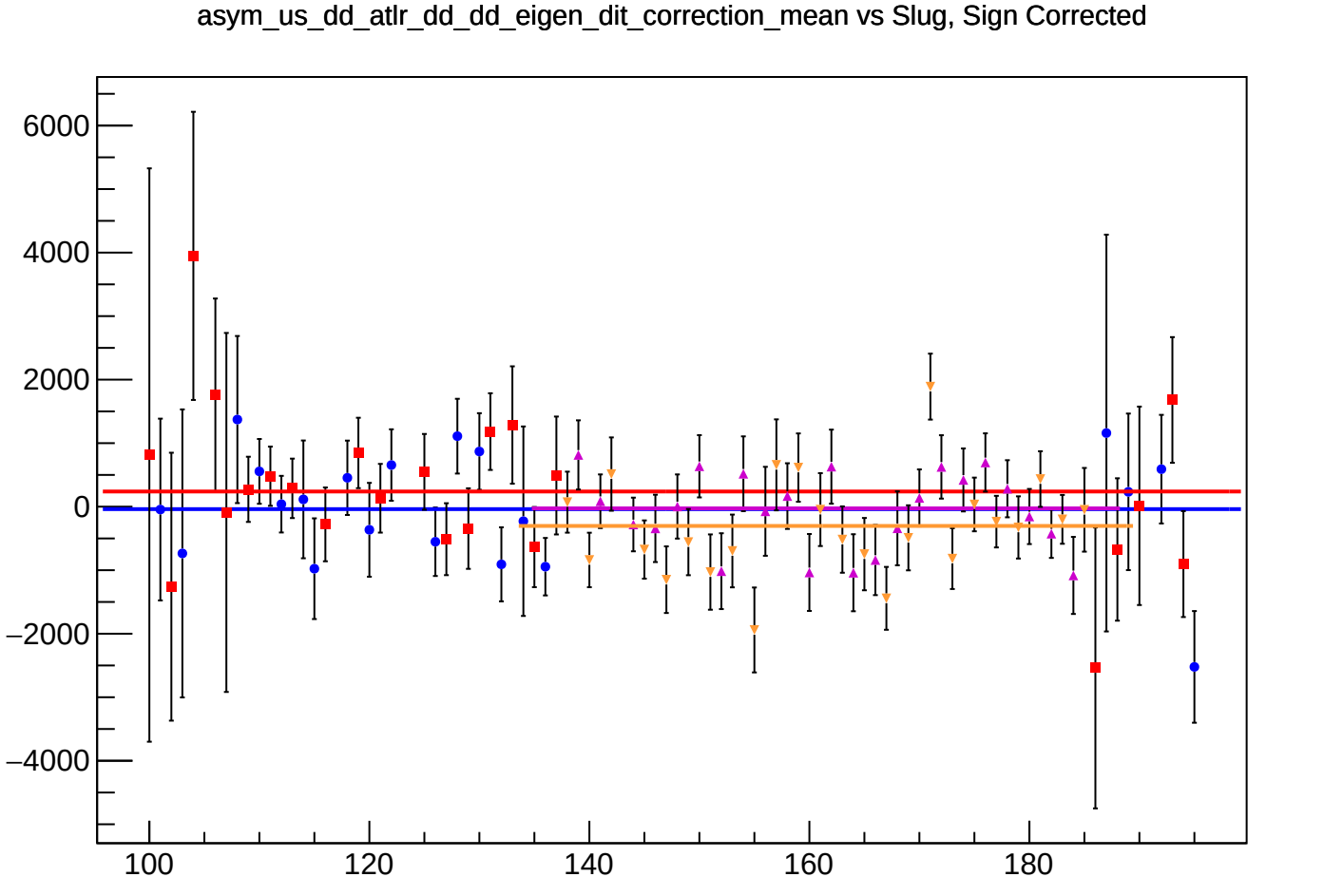
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1129.931+/-0.180 χ^2/NDF: 852869.1/42

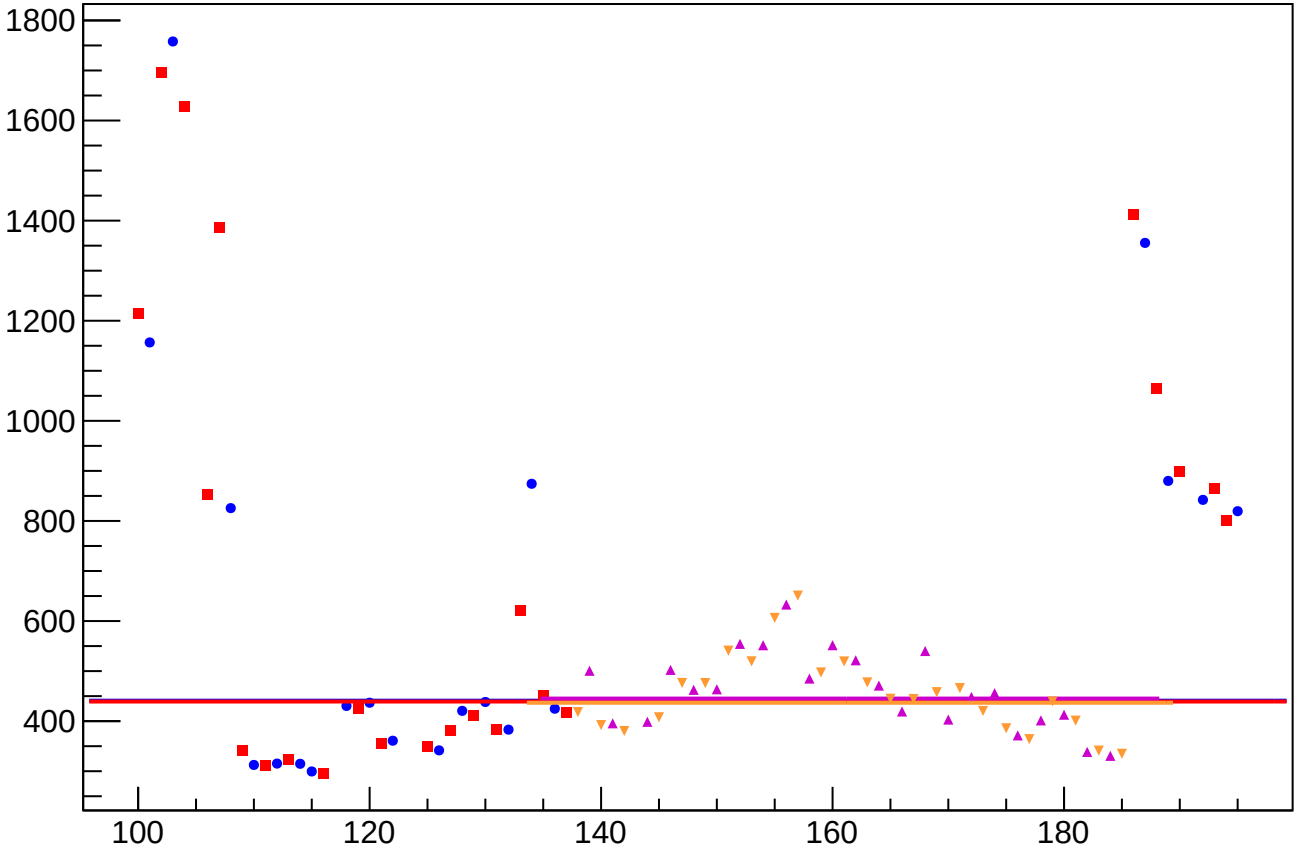
In: 1106.819+/-0.148 χ^2/NDF:667957.0/42

Out: 1113.027+/-0.147 χ^2/NDF:296255.2/46

All: 1109.964+/-0.104 χ^2/NDF: 965097.8/89


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
Right In: -38.483+/-155.042 χ²/NDF: 28.5/19
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 238.955+/-151.597 χ²/NDF: 21.4/22
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 103.352+/-108.392 χ²/NDF: 51.5/42
In: -30.452+/-87.177 χ²/NDF:56.3/42
Out: -132.029+/-85.184 χ²/NDF:79.7/46
All: -82.415+/-60.927 χ²/NDF: 136.7/89

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 440.900+/-0.110 χ^2/NDF: 3272642.0/19

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 439.229+/-0.107 χ^2/NDF: 4301818.9/22

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

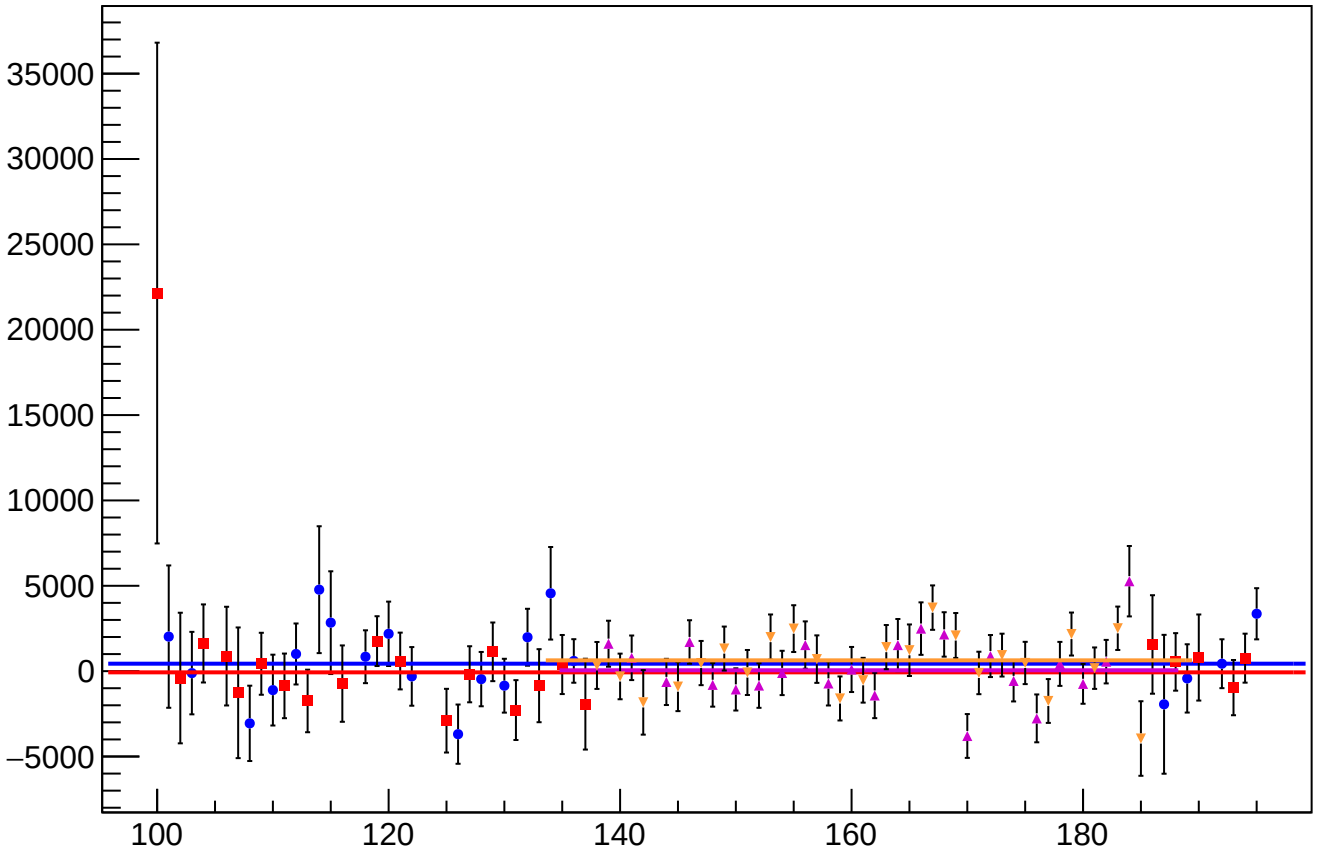
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 440.045+/-0.077 χ^2/NDF: 7574579.6/42

In: 443.778+/-0.062 χ^2/NDF:4148218.7/42

Out: 437.558+/-0.060 χ^2/NDF:5157410.5/46

All: 440.596+/-0.043 χ^2/NDF: 9310837.6/89



Right In: 436.990+/-419.439 χ^2/NDF: 20.7/19

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -70.330+/-412.474 χ^2/NDF: 12.3/22

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

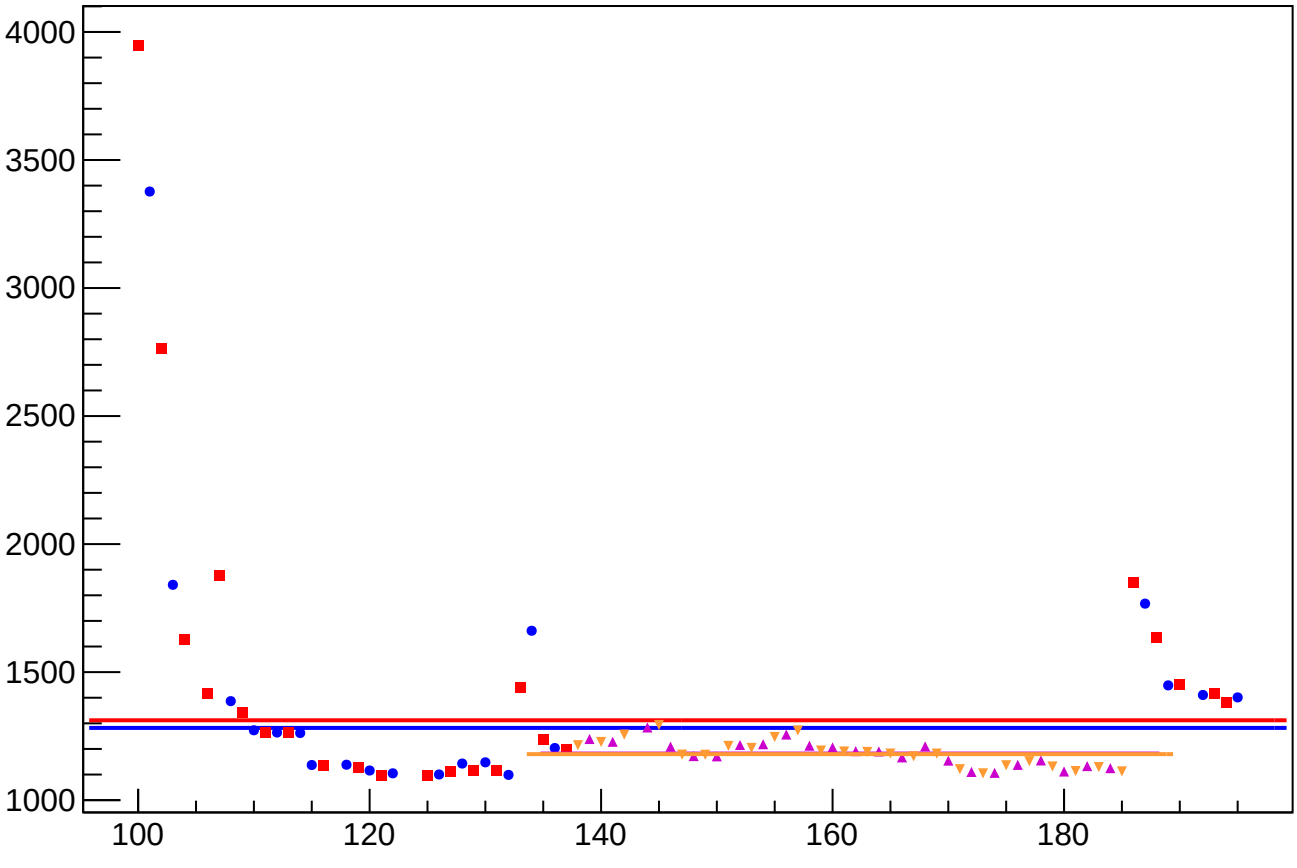
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 179.083+/-294.095 χ^2/NDF: 33.7/42

In: 167.641+/-230.686 χ^2/NDF:56.3/42

Out: 417.509+/-228.267 χ^2/NDF:44.4/46

All: 293.892+/-162.258 χ^2/NDF: 101.3/89



Right In: 1282.167+/-0.297 χ^2/NDF: 869386.1/19

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1311.919+/-0.292 χ^2/NDF: 802851.7/22

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

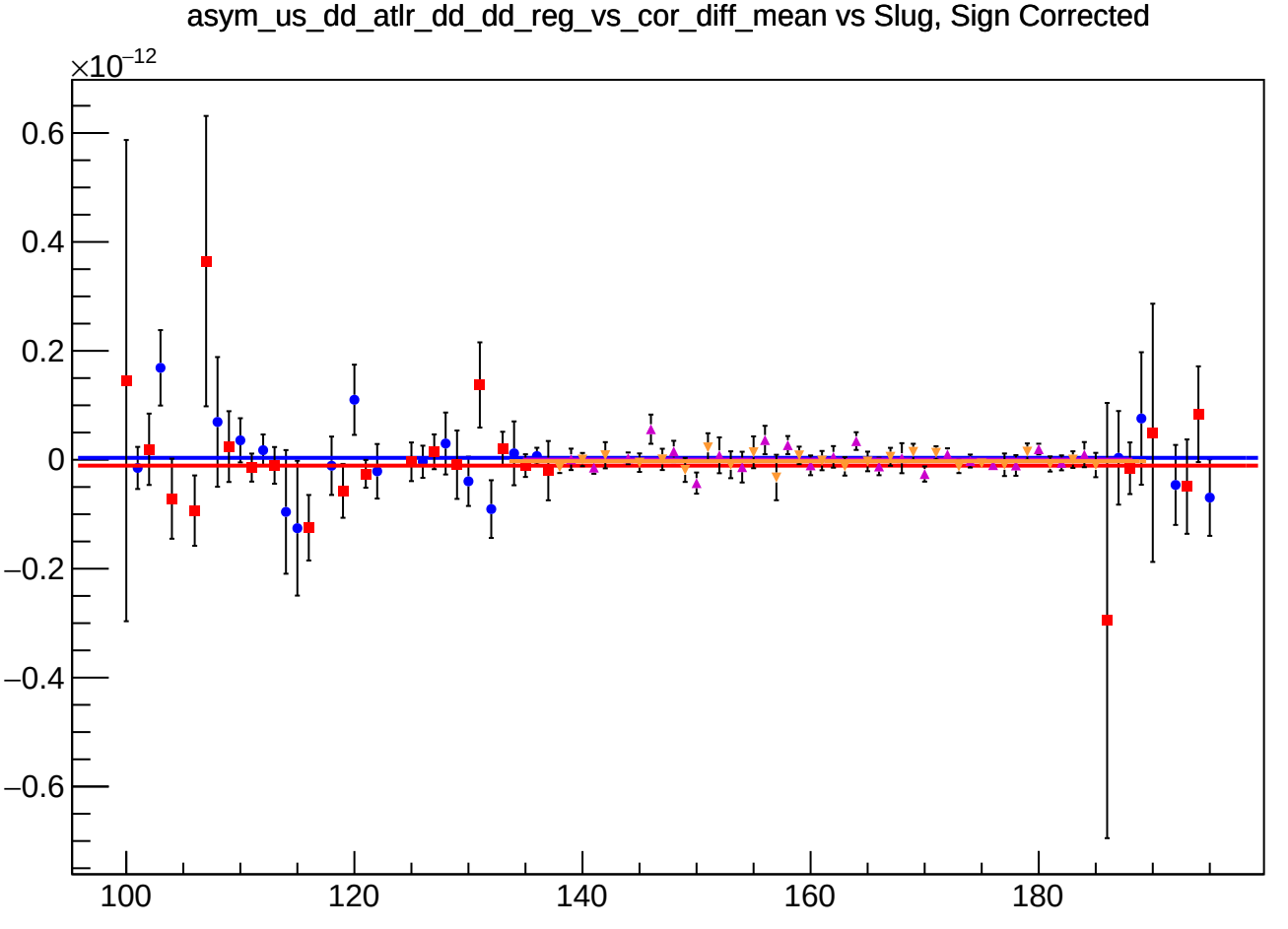
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1297.292+/-0.208 χ^2/NDF: 1677353.6/42

In: 1212.249+/-0.163 χ^2/NDF:1009415.2/42

Out: 1220.203+/-0.161 χ^2/NDF:1010058.8/46

All: 1216.268+/-0.115 χ^2/NDF: 2020675.3/89



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/22

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

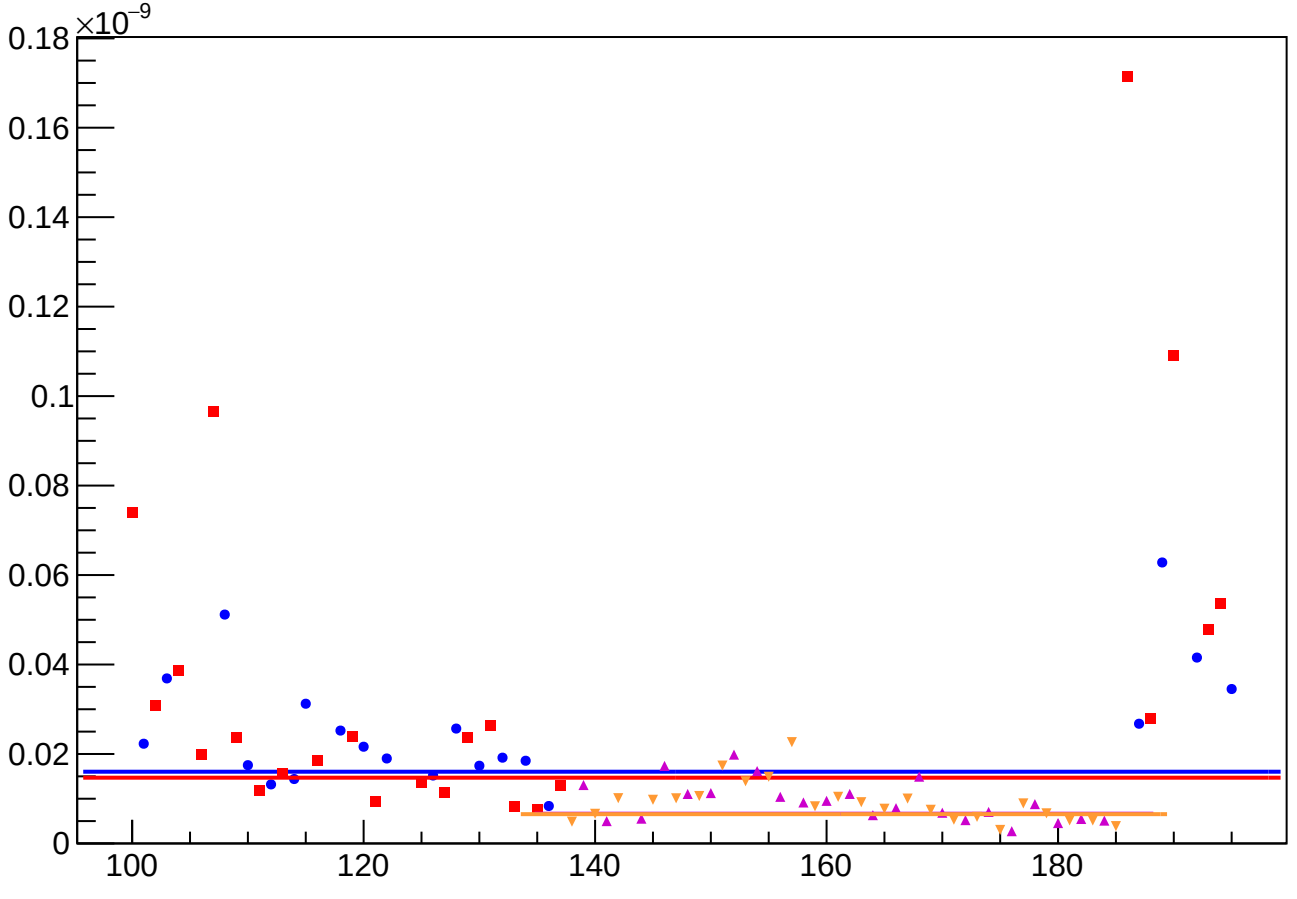
Right: -0.000+/-0.000 χ^2/NDF: 36.5/42

In: 0.000+/-0.000 χ^2/NDF:50.9/42

Out: -0.000+/-0.000 χ^2/NDF:28.2/46

All: -0.000+/-0.000 χ^2/NDF: 80.0/89

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1819997.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2704665.5/22

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

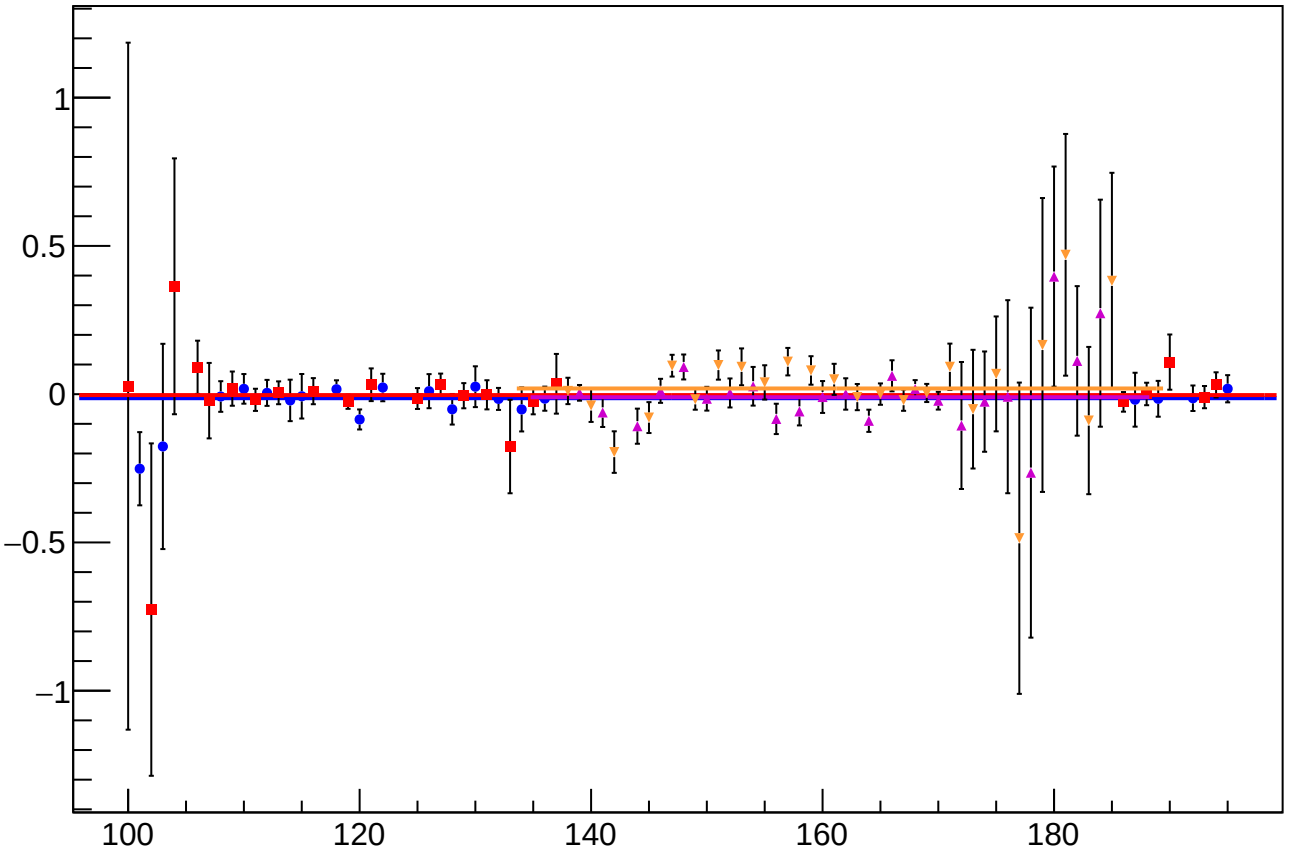
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 4545526.9/42

In: 0.000+/-0.000 χ^2/NDF:6166405.9/42

Out: 0.000+/-0.000 χ^2/NDF:6488766.1/46

All: 0.000+/-0.000 χ^2/NDF: 12659758.1/89



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

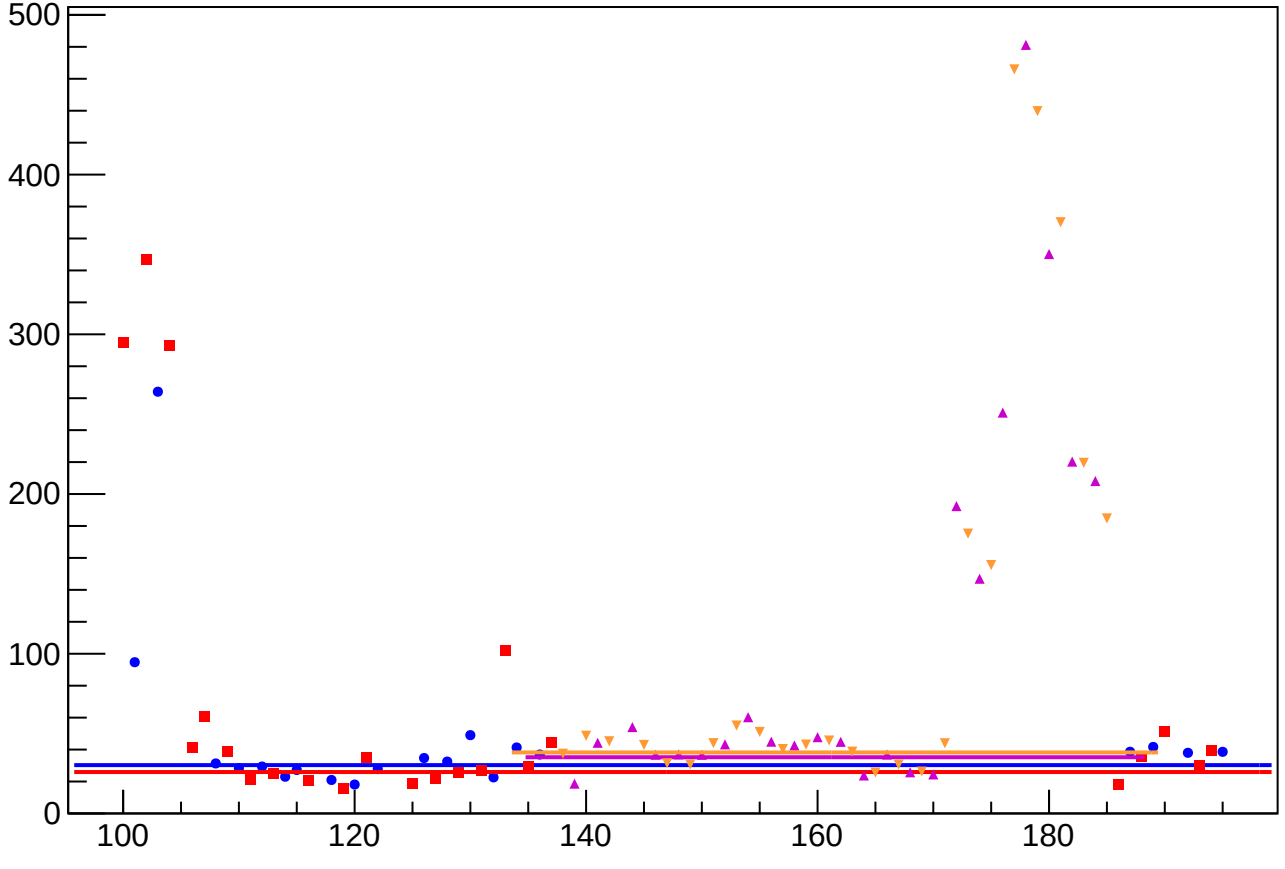
Right: -0.008+/-0.007 χ^2/NDF: 23.4/42

In: -0.012+/-0.008 χ^2/NDF:36.1/42

Out: 0.007+/-0.007 χ^2/NDF:48.8/46

All: -0.002+/-0.005 χ^2/NDF: 88.0/89

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.267+/-0.008 χ^2/NDF: 2509160.9/19

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 25.939+/-0.007 χ^2/NDF: 3585259.1/22

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

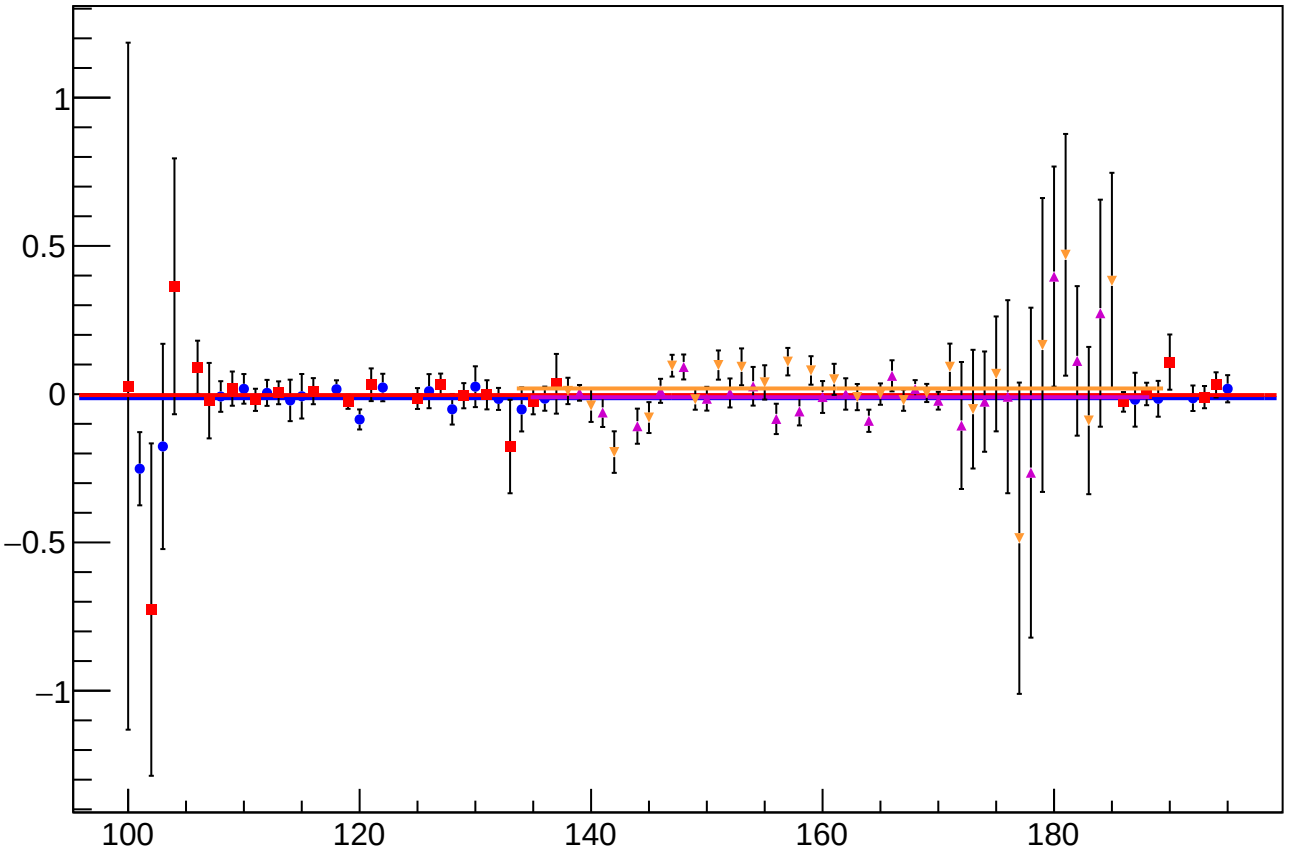
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 27.799+/-0.005 χ^2/NDF: 6265614.1/42

In: 32.940+/-0.005 χ^2/NDF:12111160.2/42

Out: 31.413+/-0.005 χ^2/NDF:13298876.0/46

All: 32.141+/-0.004 χ^2/NDF: 25452734.8/89



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

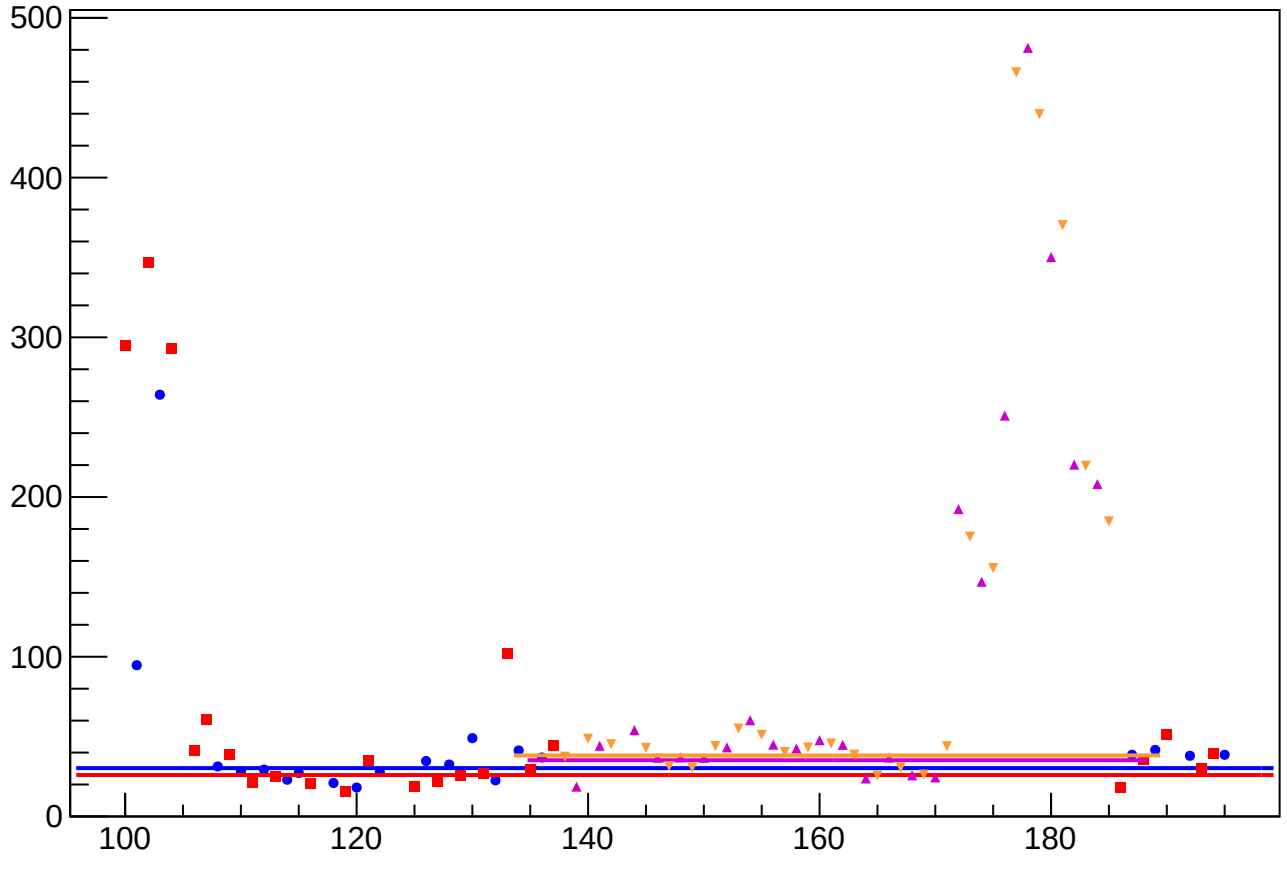
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.008+/-0.007 χ^2/NDF: 23.4/42

In: -0.012+/-0.008 χ^2/NDF:36.1/42

Out: 0.007+/-0.007 χ^2/NDF:48.8/46

All: -0.002+/-0.005 χ^2/NDF: 88.0/89



Right In: 30.267+/-0.008 χ^2/NDF: 2509160.9/19

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 25.939+/-0.007 χ^2/NDF: 3585259.1/22

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

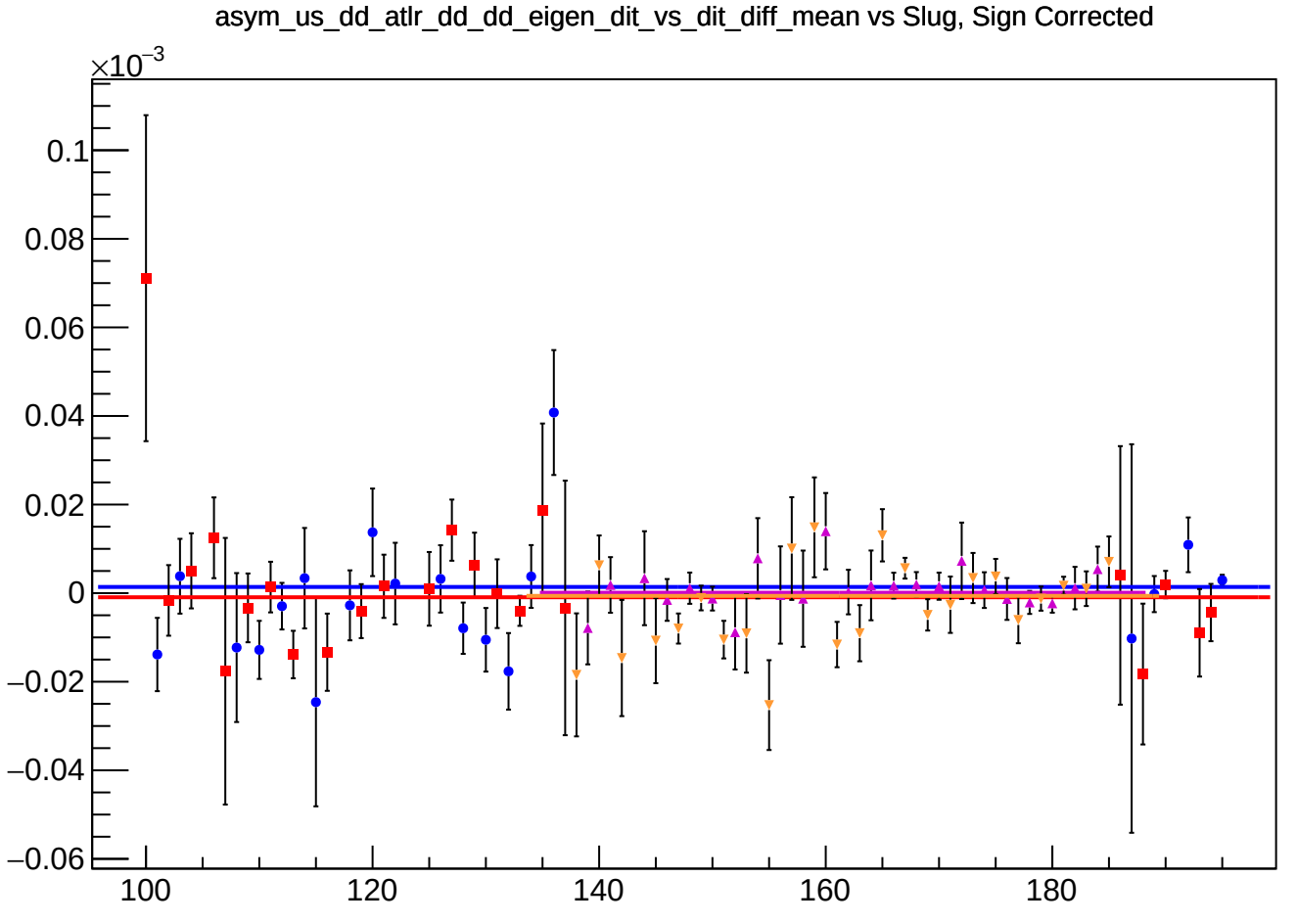
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 27.799+/-0.005 χ^2/NDF: 6265614.1/42

In: 32.940+/-0.005 χ^2/NDF:12111160.2/42

Out: 31.413+/-0.005 χ^2/NDF:13298876.0/46

All: 32.141+/-0.004 χ^2/NDF: 25452734.8/89



Right In: 0.000+/-0.000 χ^2/NDF: 35.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/22

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

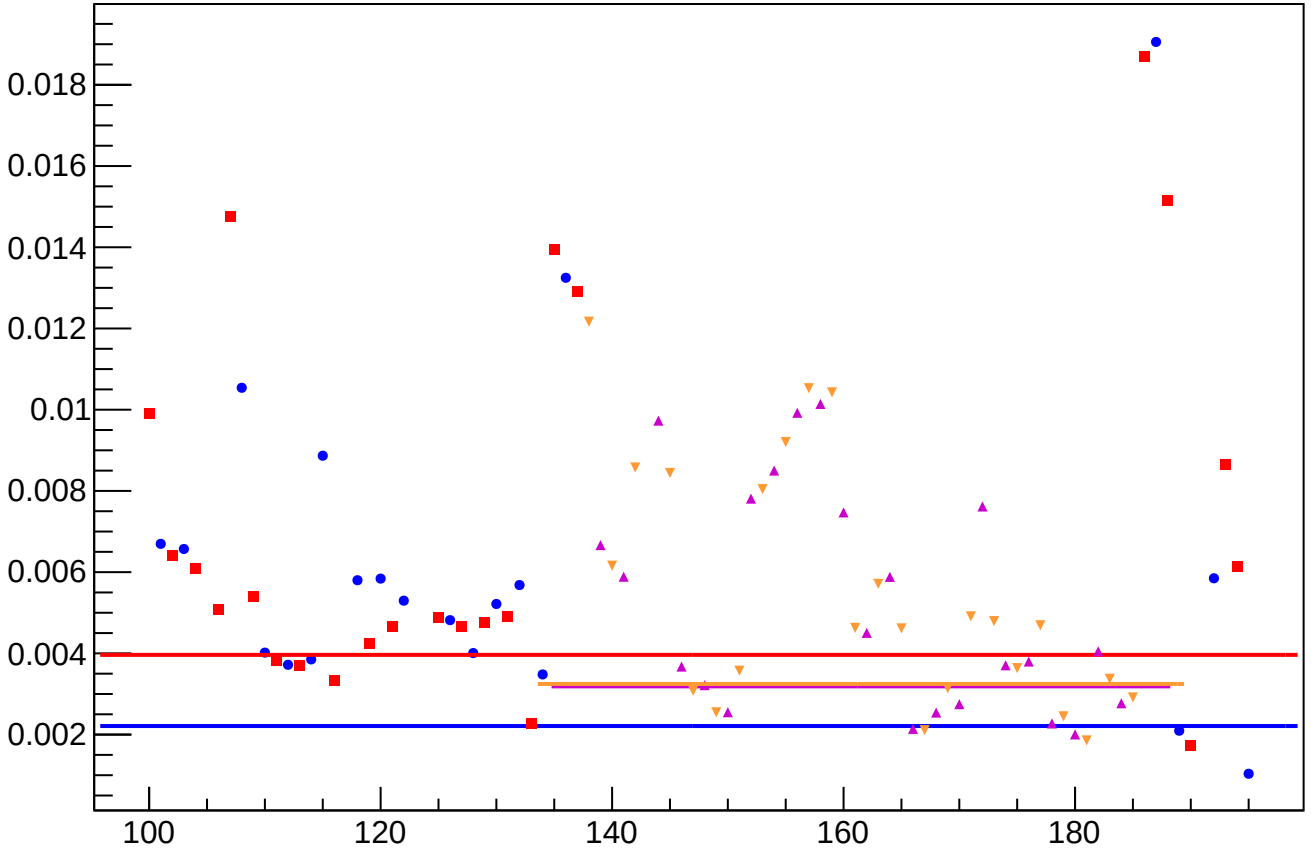
Right: 0.000+/-0.000 χ^2/NDF: 62.8/42

In: 0.000+/-0.000 χ^2/NDF:46.9/42

Out: -0.000+/-0.000 χ^2/NDF:77.2/46

All: 0.000+/-0.000 χ^2/NDF: 126.0/89

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8274166.9/19

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 5284889.9/22

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

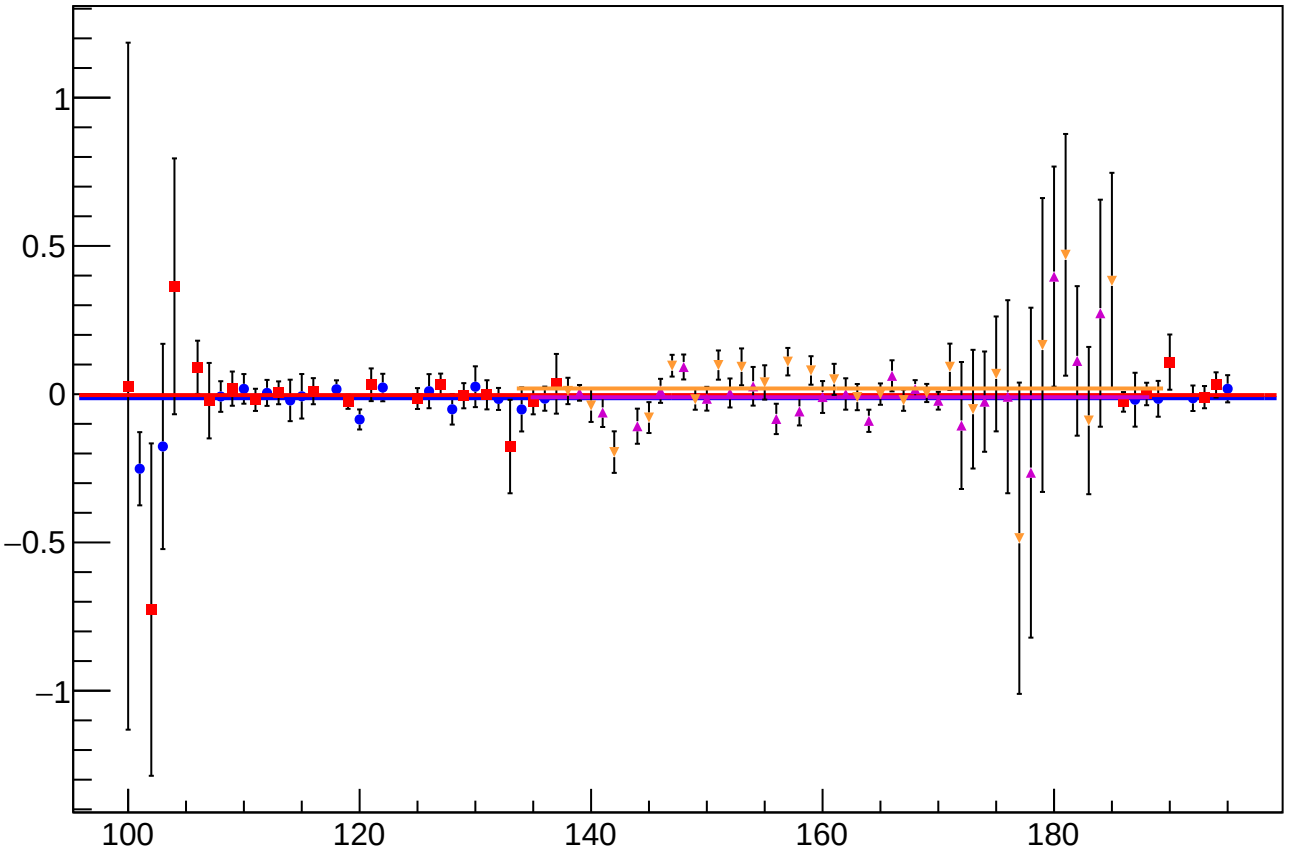
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 15581013.4/42

In: 0.003+/-0.000 χ^2/NDF:16673630.9/42

Out: 0.003+/-0.000 χ^2/NDF:13389771.2/46

All: 0.003+/-0.000 χ^2/NDF: 30980148.8/89



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

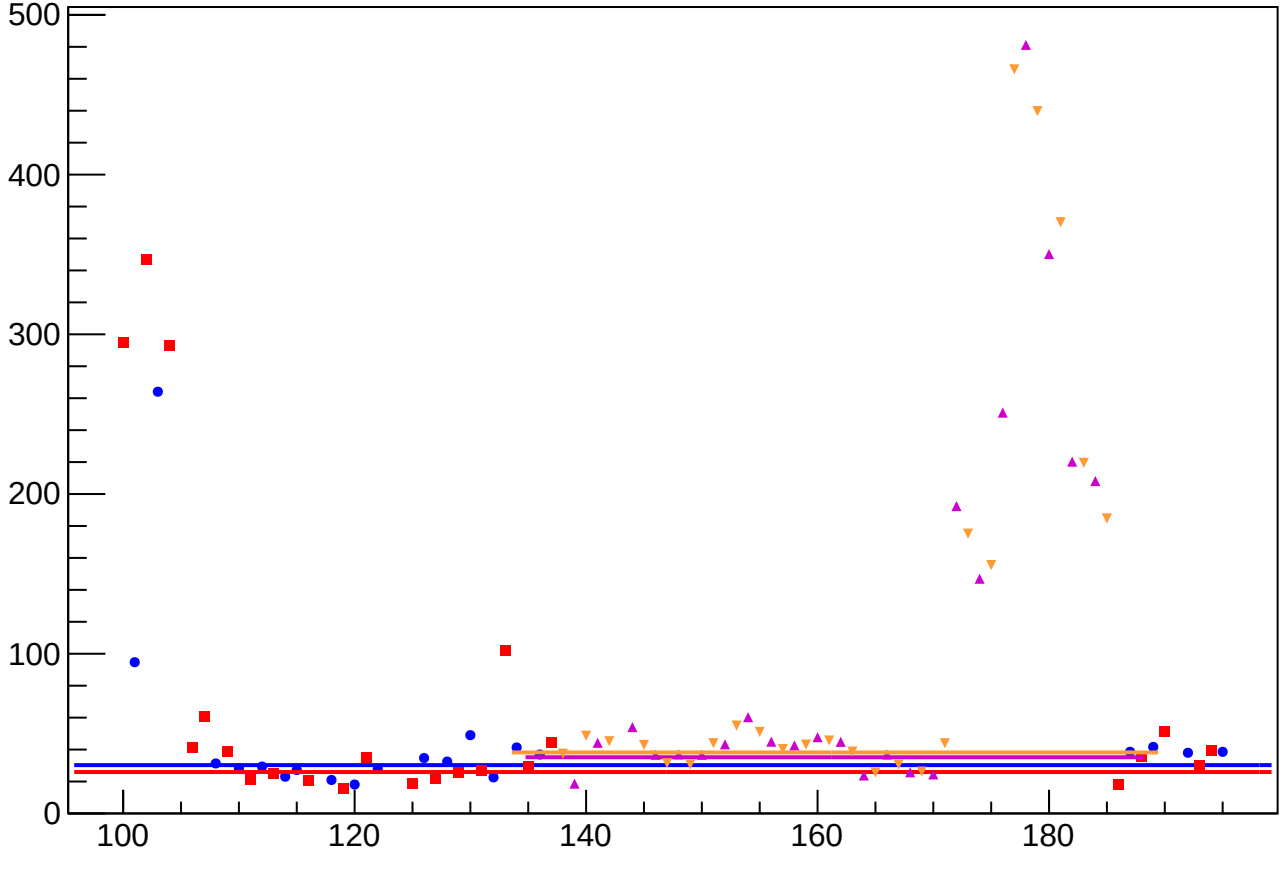
Right: -0.008+/-0.007 χ^2/NDF: 23.4/42

In: -0.012+/-0.008 χ^2/NDF:36.1/42

Out: 0.007+/-0.007 χ^2/NDF:48.8/46

All: -0.002+/-0.005 χ^2/NDF: 88.0/89

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.267+/-0.008 χ^2/NDF: 2509194.4/19

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 25.937+/-0.007 χ^2/NDF: 3585506.4/22

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

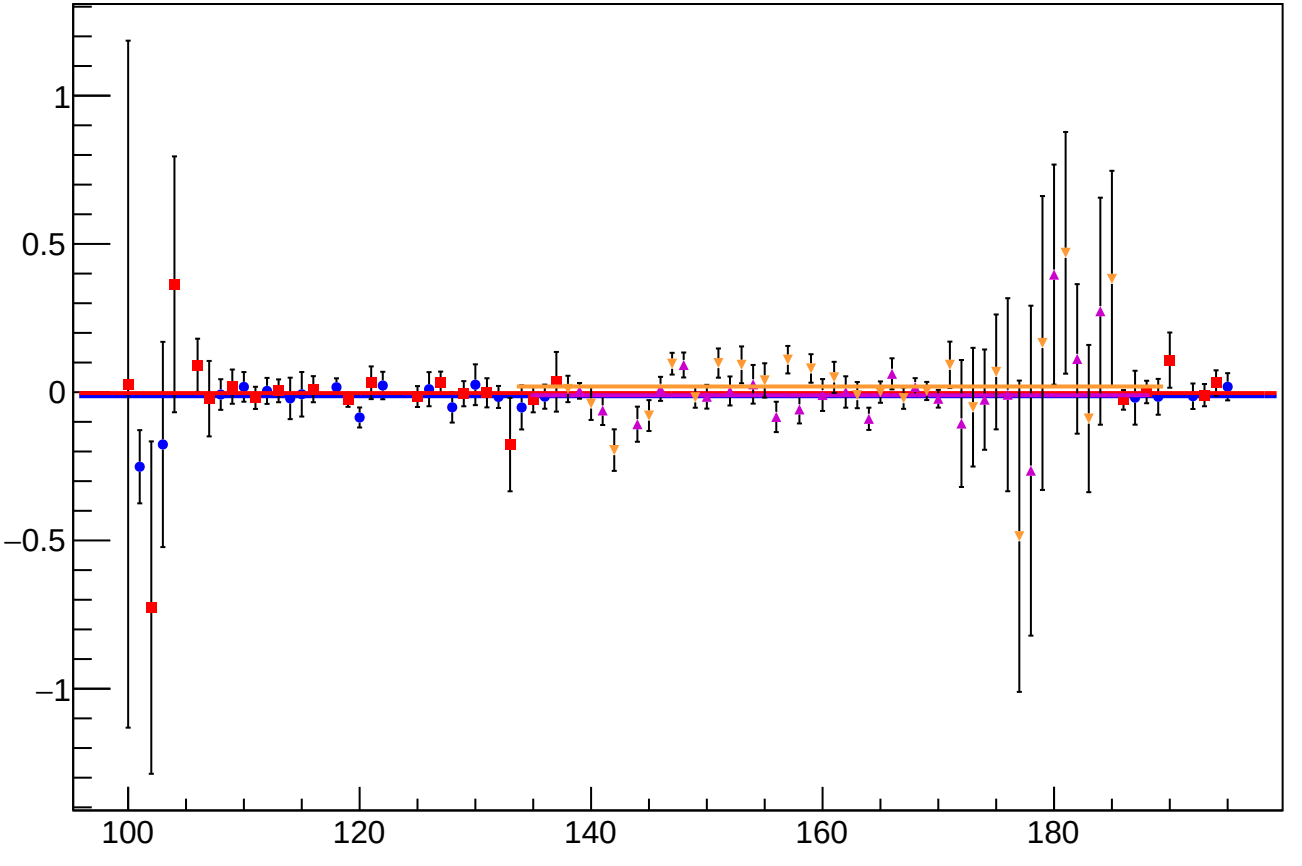
Right: 27.797+/-0.005 χ^2/NDF: 6266071.0/42

In: 32.939+/-0.005 χ^2/NDF:12111600.2/42

Out: 31.411+/-0.005 χ^2/NDF:13299787.1/46

All: 32.140+/-0.004 χ^2/NDF: 25454172.4/89

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 12.4/19

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

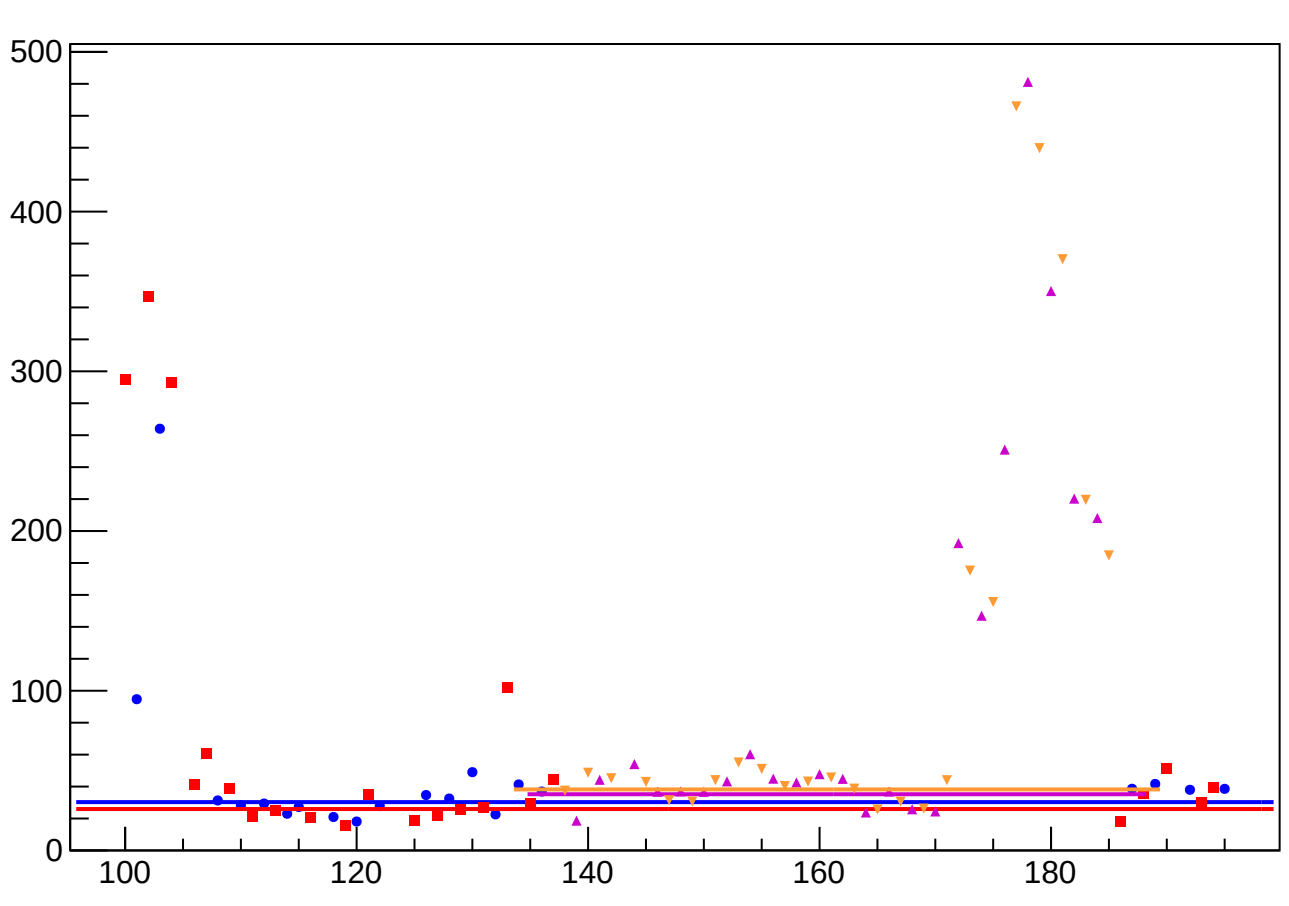
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.008+/-0.007 χ^2/NDF: 23.4/42

In: -0.012+/-0.008 χ^2/NDF:36.1/42

Out: 0.007+/-0.007 χ^2/NDF:48.8/46

All: -0.002+/-0.005 χ^2/NDF: 88.0/89



Right In: 30.267+/-0.008 χ^2/NDF: 2509194.4/19

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 25.937+/-0.007 χ^2/NDF: 3585506.4/22

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

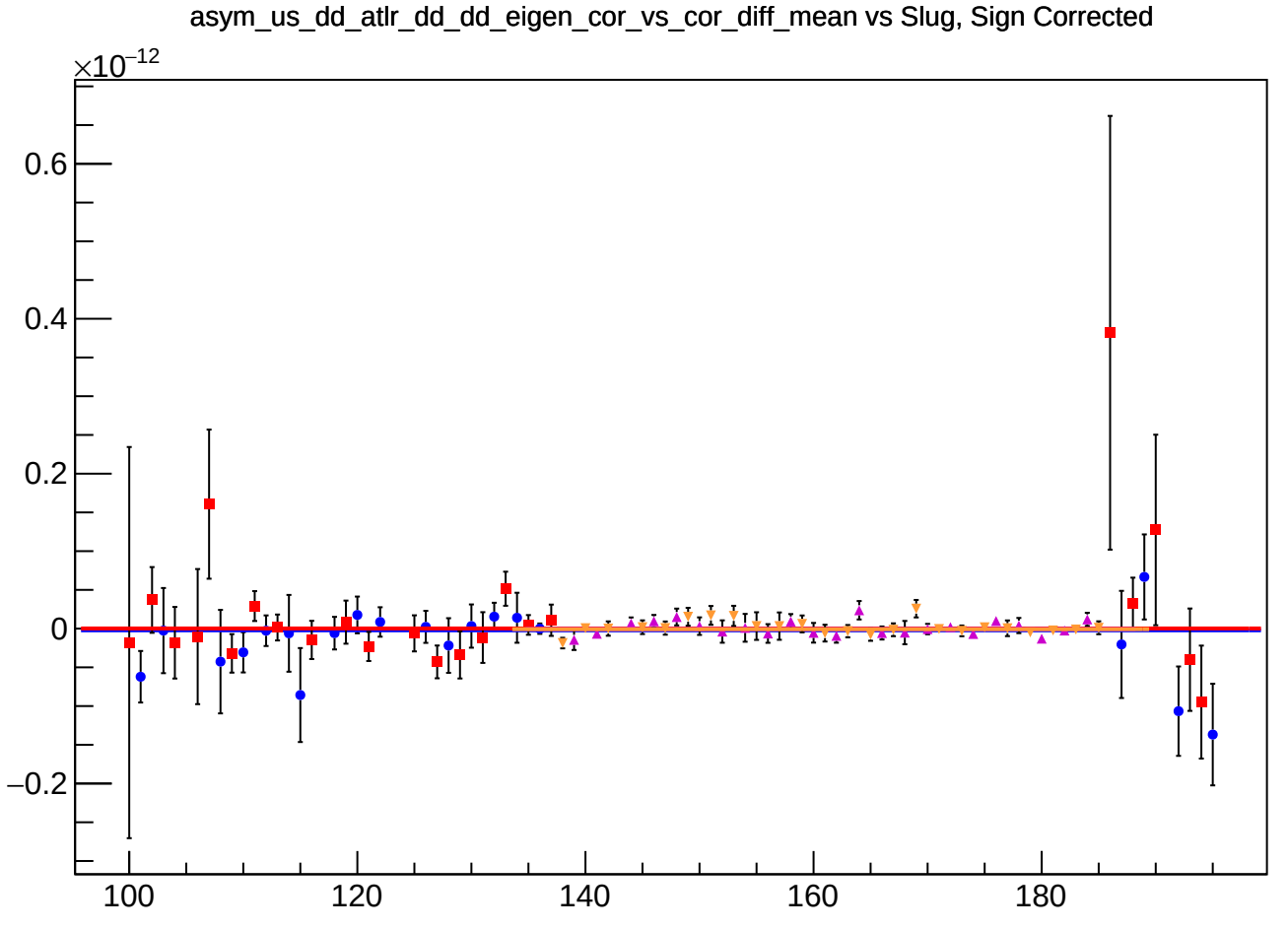
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 27.797+/-0.005 χ^2/NDF: 6266071.0/42

In: 32.939+/-0.005 χ^2/NDF:12111600.2/42

Out: 31.411+/-0.005 χ^2/NDF:13299787.1/46

All: 32.140+/-0.004 χ^2/NDF: 25454172.4/89



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/22

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

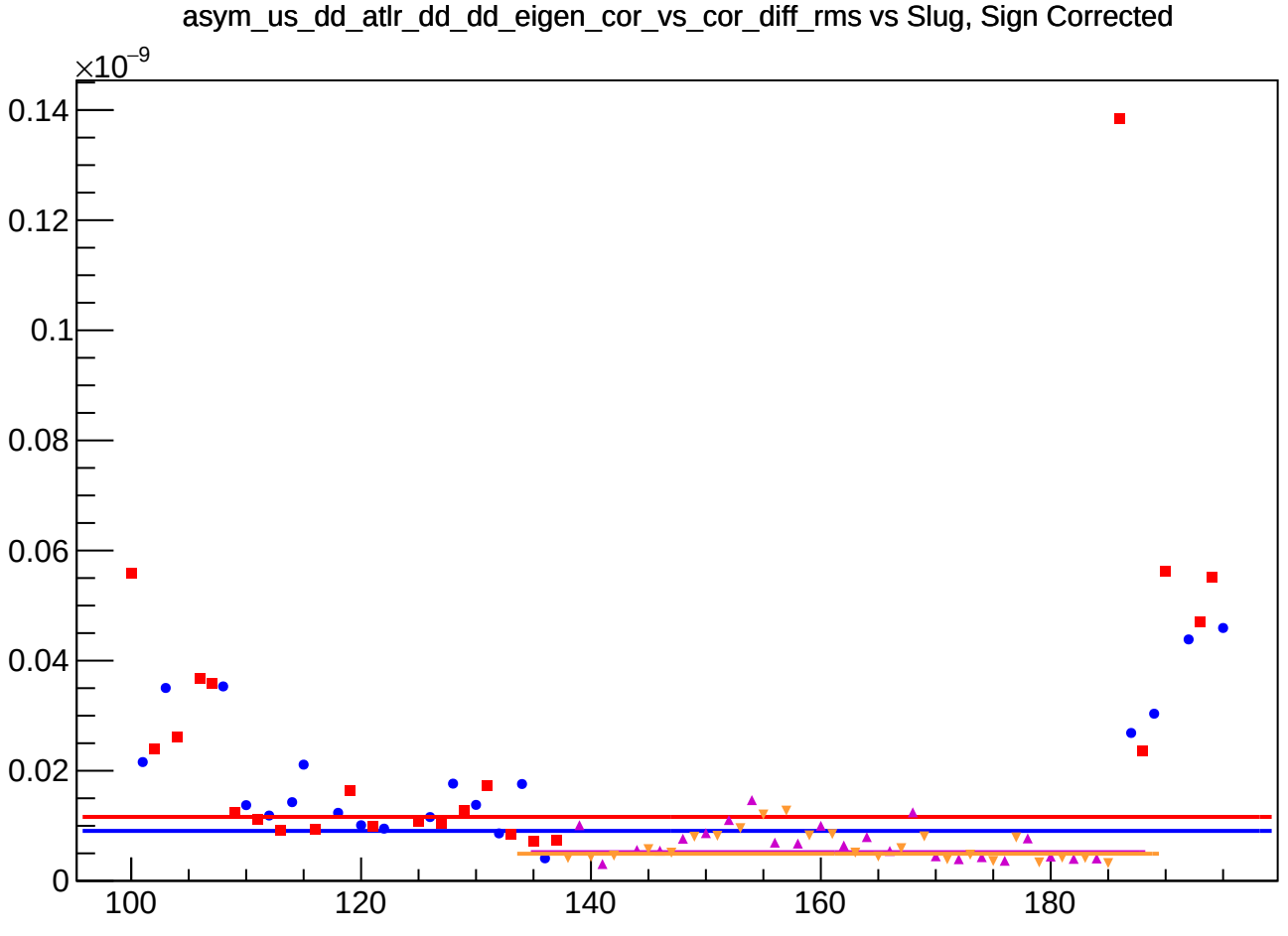
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 45.8/42

In: -0.000+/-0.000 χ^2/NDF:45.0/42

Out: -0.000+/-0.000 χ^2/NDF:48.2/46

All: -0.000+/-0.000 χ^2/NDF: 93.2/89



Right In: 0.000+/-0.000 χ^2/NDF: 4542411.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3525031.8/22

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

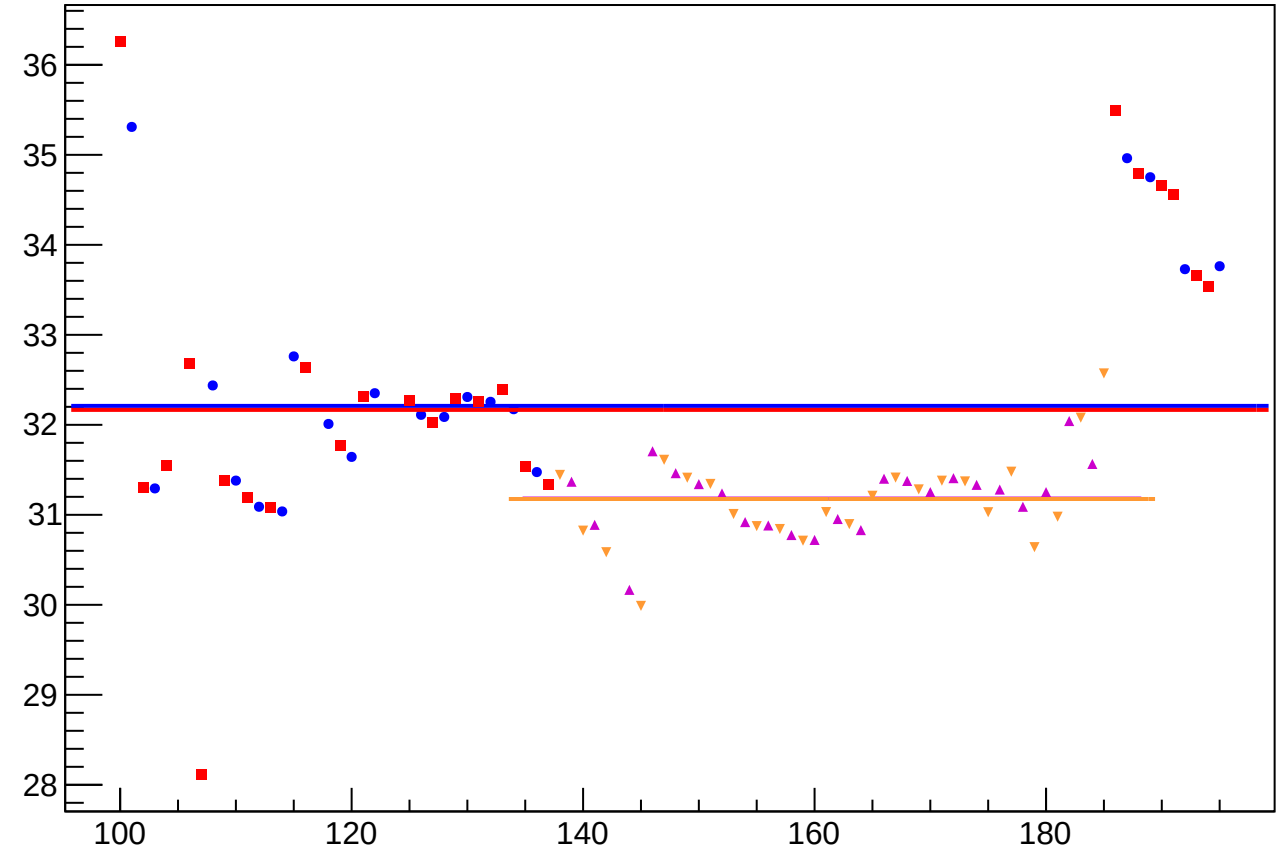
Right: 0.000+/-0.000 χ^2/NDF: 8314371.3/42

In: 0.000+/-0.000 χ^2/NDF:9182576.0/42

Out: 0.000+/-0.000 χ^2/NDF:8897346.2/46

All: 0.000+/-0.000 χ^2/NDF: 18096548.5/89

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.210+/-0.000 χ^2/NDF: 1366070219.3/19

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.166+/-0.000 χ^2/NDF: 1454889768.5/23

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

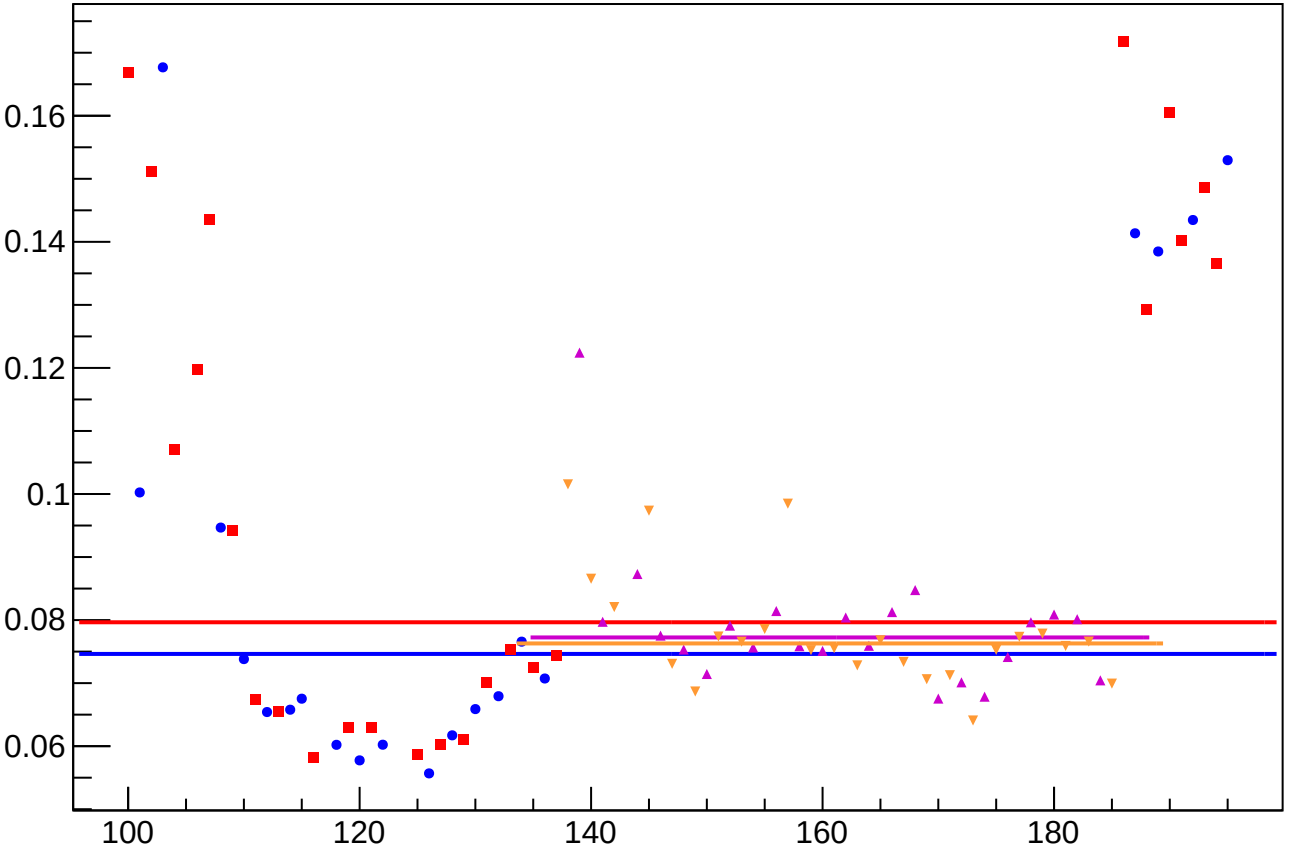
Right: 32.188+/-0.000 χ^2/NDF: 2822384041.9/43

In: 31.535+/-0.000 χ^2/NDF:2753951442.7/42

Out: 31.503+/-0.000 χ^2/NDF:2916462126.2/47

All: 31.519+/-0.000 χ^2/NDF: 5672687008.5/9

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.075+/-0.000 χ^2/NDF: 1989817.7/19

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.080+/-0.000 χ^2/NDF: 2467223.7/23

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

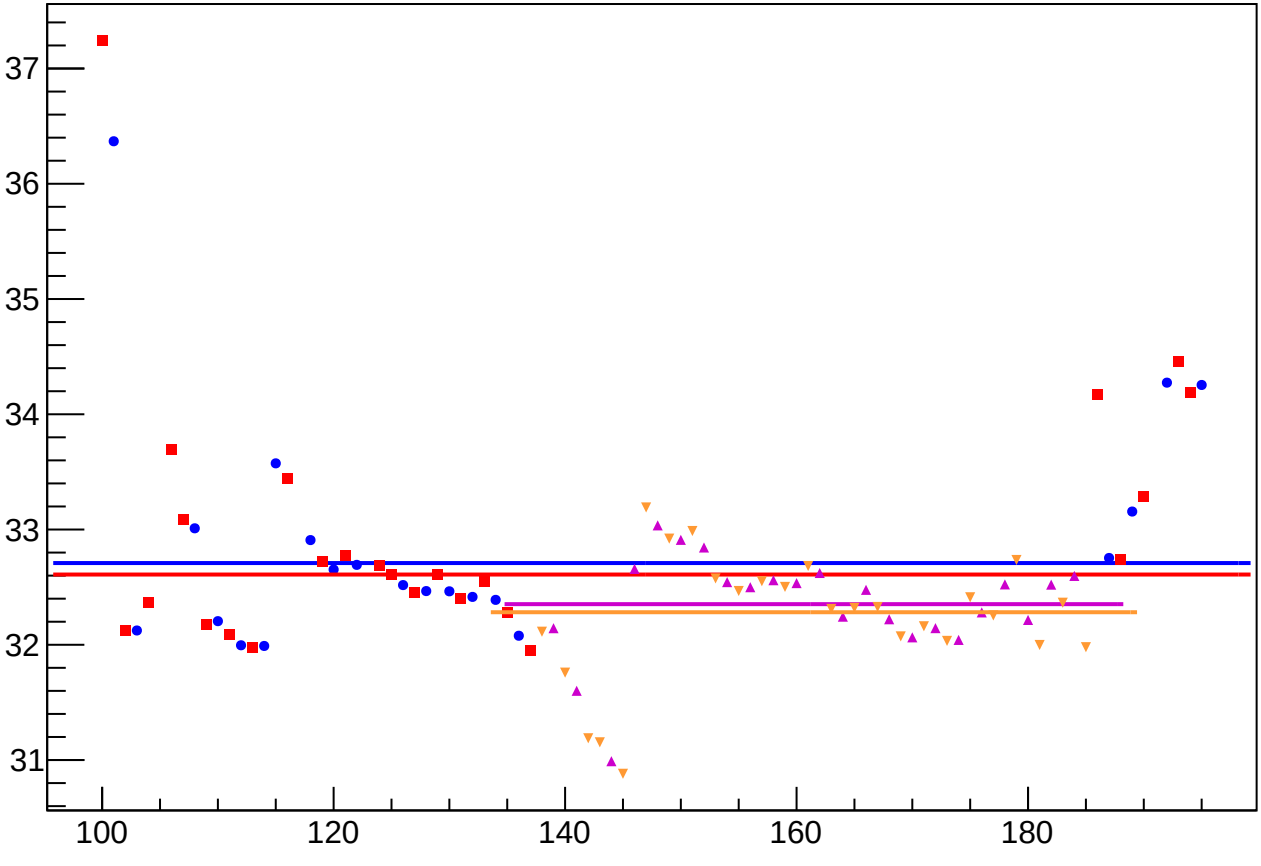
Right: 0.077+/-0.000 χ^2/NDF: 4493291.7/43

In: 0.076+/-0.000 χ^2/NDF:2368075.8/42

Out: 0.077+/-0.000 χ^2/NDF:2845364.6/47

All: 0.077+/-0.000 χ^2/NDF: 5218214.2/90

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.709+/-0.000 χ^2/NDF: 845241405.3/19

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.609+/-0.000 χ^2/NDF: 340688651.0/23

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

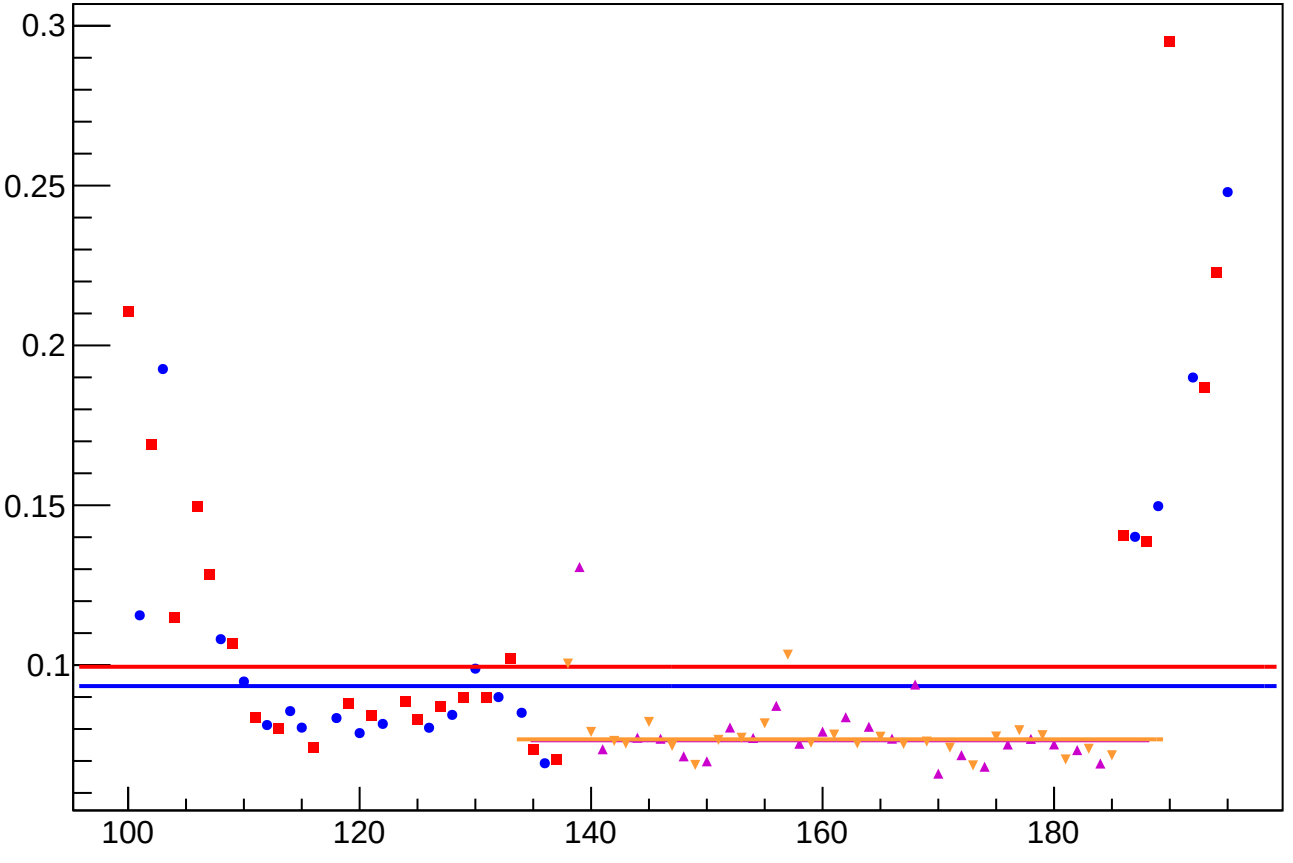
Right: 32.660+/-0.000 χ^2/NDF: 1190432800.5/43

In: 32.438+/-0.000 χ^2/NDF:1523241551.7/42

Out: 32.358+/-0.000 χ^2/NDF:1253876792.6/48

All: 32.398+/-0.000 χ^2/NDF: 2789524799.0/9

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.093+/-0.000 χ^2/NDF: 1963185.9/19

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.099+/-0.000 χ^2/NDF: 2138945.4/23

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

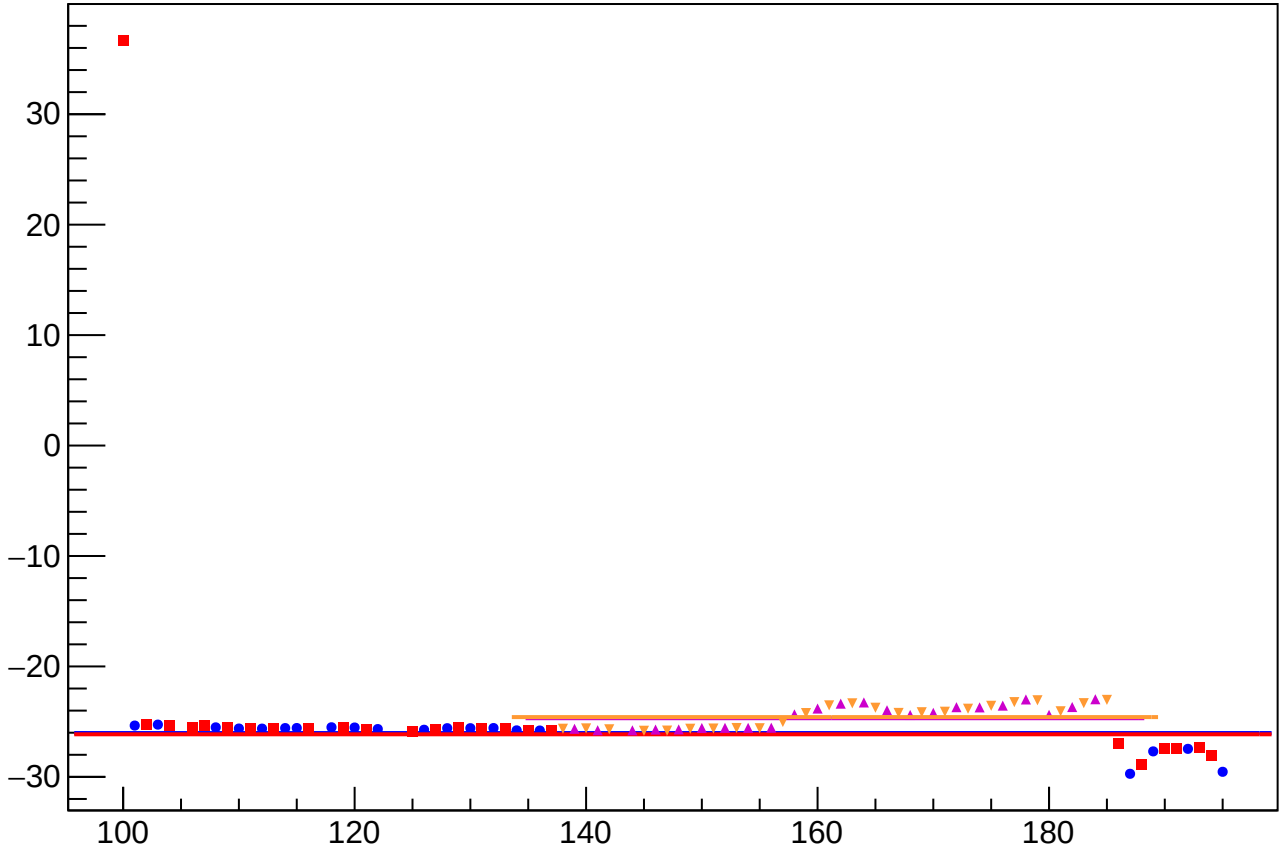
Right: 0.096+/-0.000 χ^2/NDF: 4135327.0/43

In: 0.081+/-0.000 χ^2/NDF:2844170.9/42

Out: 0.082+/-0.000 χ^2/NDF:3104870.9/48

All: 0.081+/-0.000 χ^2/NDF: 5957341.6/91

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.031+/-0.000 χ^2/NDF: 5786533324.9/19

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.145+/-0.000 χ^2/NDF: 15242199102.4/23

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

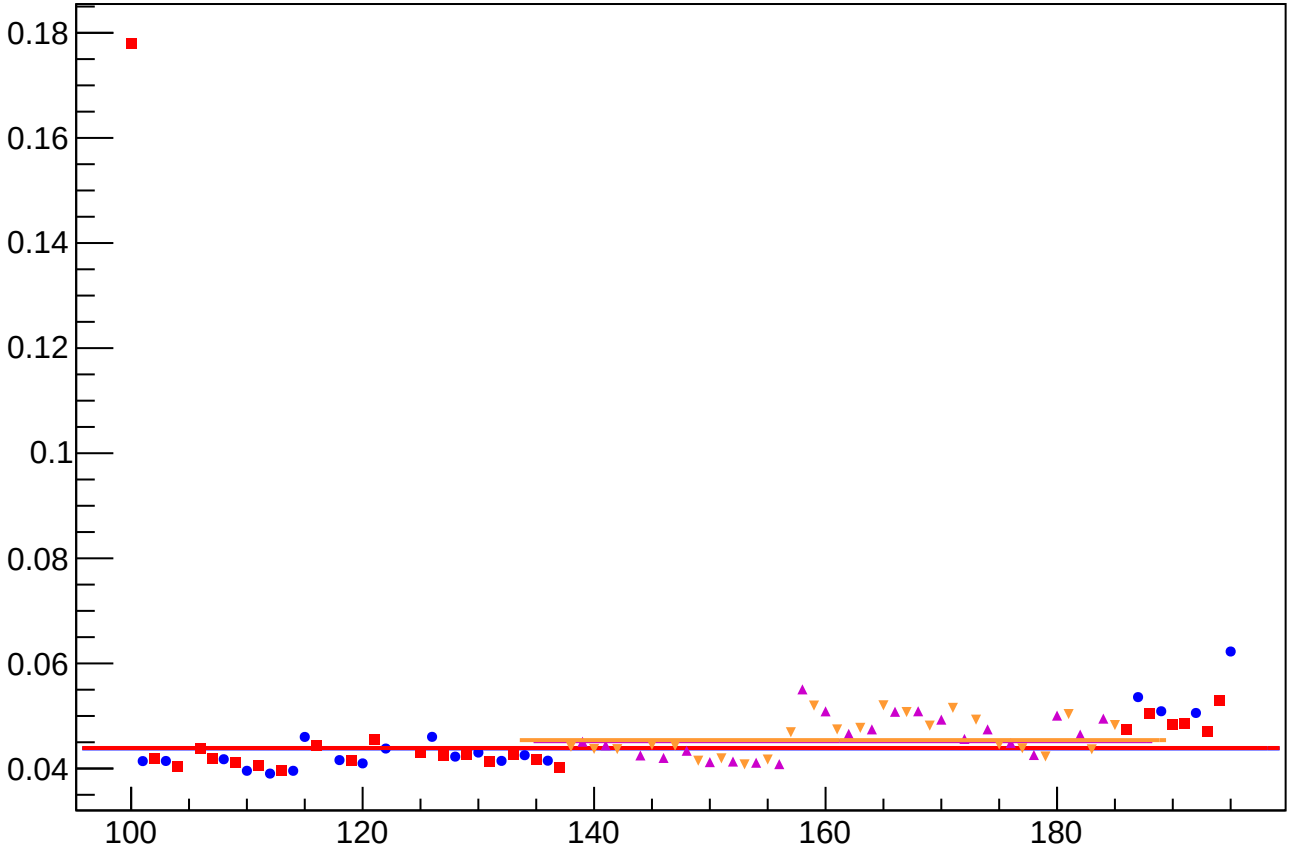
Right: -26.091+/-0.000 χ^2/NDF: 21062339324.0/43

In: -25.176+/-0.000 χ^2/NDF:20306986016.9/42

Out: -25.194+/-0.000 χ^2/NDF:32680202736.2/47

All: -25.185+/-0.000 χ^2/NDF: 52989492446.1

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 269071.5/19

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.044+/-0.000 χ^2/NDF: 238026.5/23

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

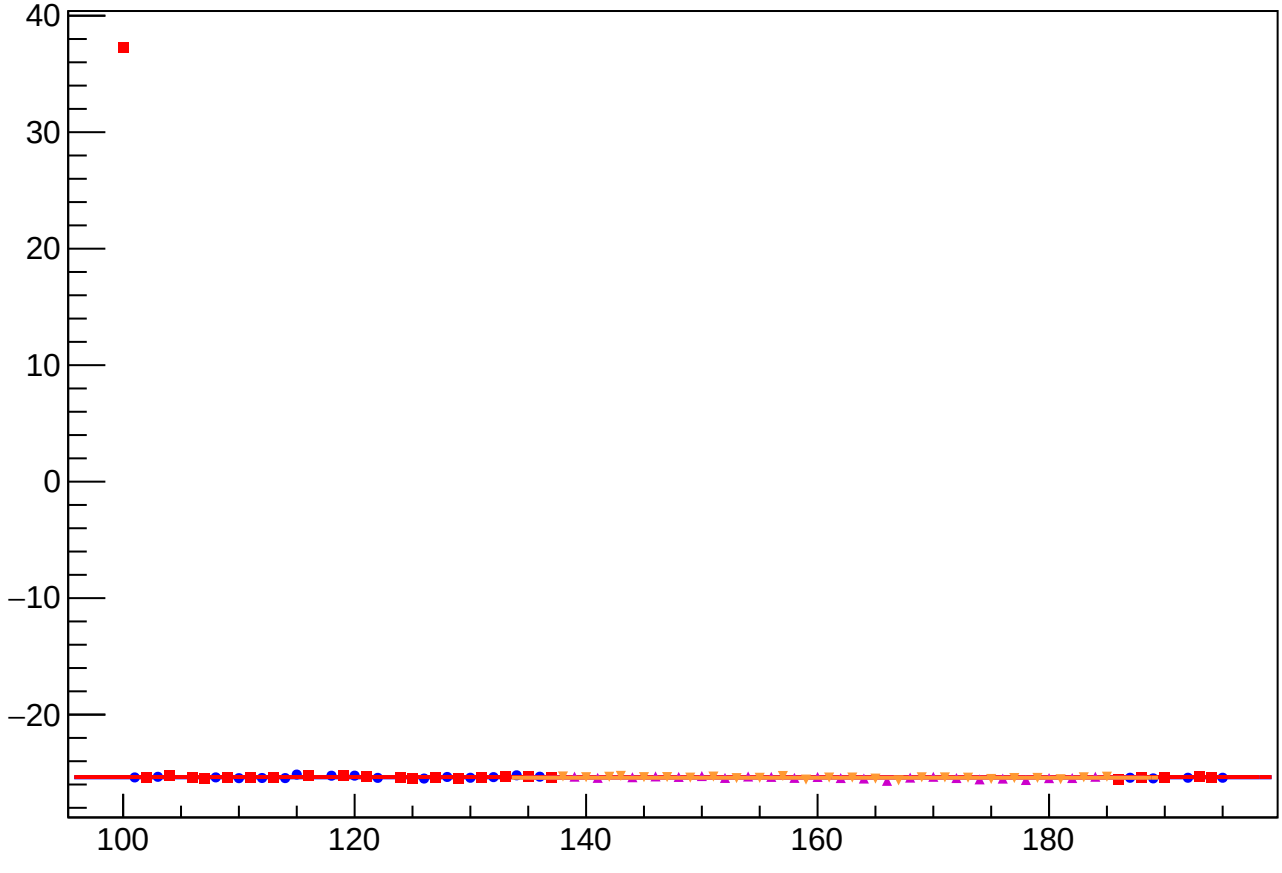
Right: 0.044+/-0.000 χ^2/NDF: 507136.6/43

In: 0.045+/-0.000 χ^2/NDF:525788.9/42

Out: 0.045+/-0.000 χ^2/NDF:458753.9/47

All: 0.045+/-0.000 χ^2/NDF: 984737.9/90

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.384+/-0.000 χ^2/NDF: 17258472.3/19

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.357+/-0.000 χ^2/NDF: 6327069001.3/23

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

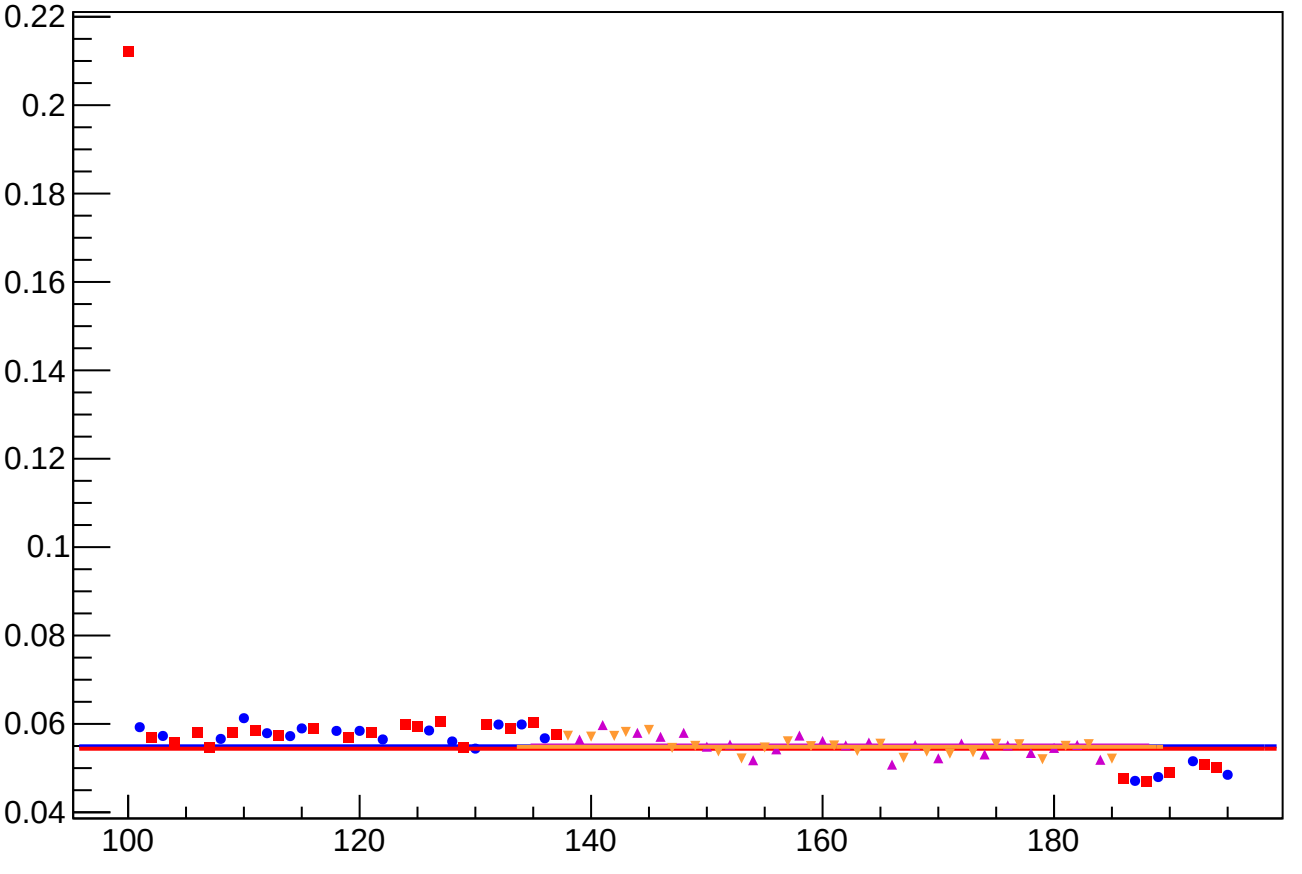
Right: -25.369+/-0.000 χ^2/NDF: 6345493299.8/43

In: -25.404+/-0.000 χ^2/NDF:75030147.9/42

Out: -25.395+/-0.000 χ^2/NDF:6387337997.4/48

All: -25.399+/-0.000 χ^2/NDF: 6462697433.6/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.055+/-0.000 χ^2/NDF: 114782.0/19

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.054+/-0.000 χ^2/NDF: 237535.6/23

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

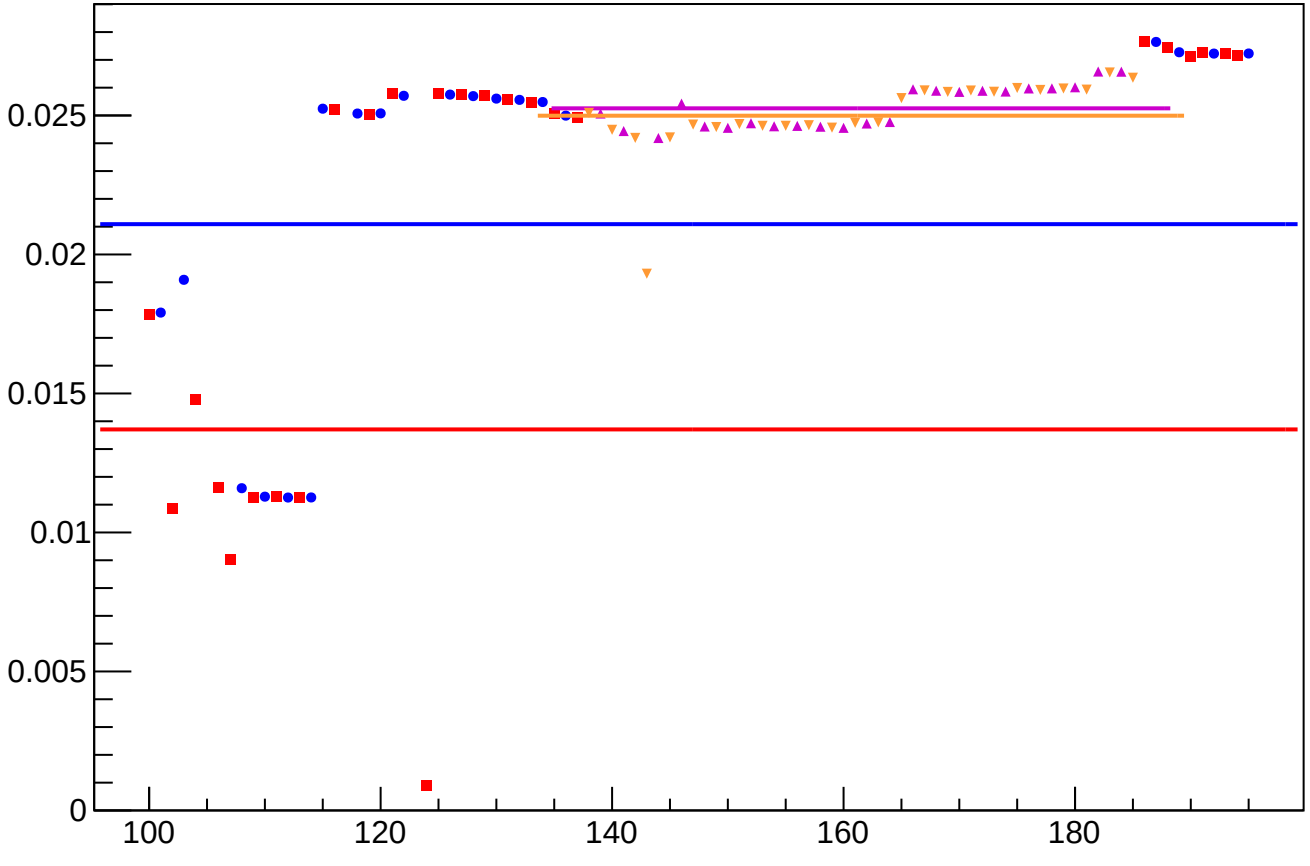
Right: 0.055+/-0.000 χ^2/NDF: 353312.6/43

In: 0.055+/-0.000 χ^2/NDF:166443.4/42

Out: 0.055+/-0.000 χ^2/NDF:276491.0/48

All: 0.055+/-0.000 χ^2/NDF: 444318.8/91

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 75684699411.5/19

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 344466581724.0/24

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

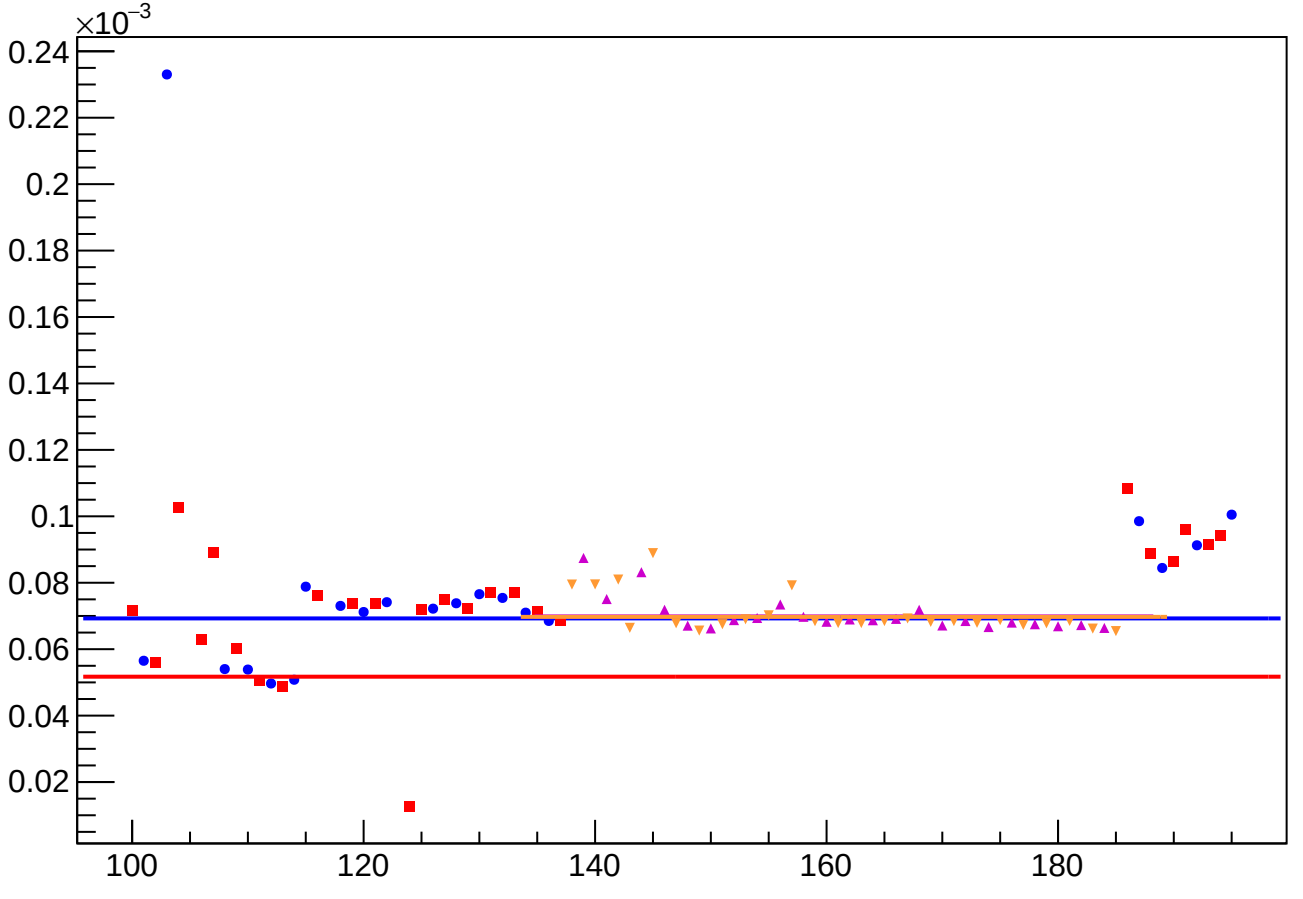
Right: 0.017+/-0.000 χ^2/NDF: 482054742369.5/44

In: 0.024+/-0.000 χ^2/NDF:98940153266.3/42

Out: 0.020+/-0.000 χ^2/NDF:565785133058.3/49

All: 0.022+/-0.000 χ^2/NDF: 707236489505.4

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1218836.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5431773.5/24

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

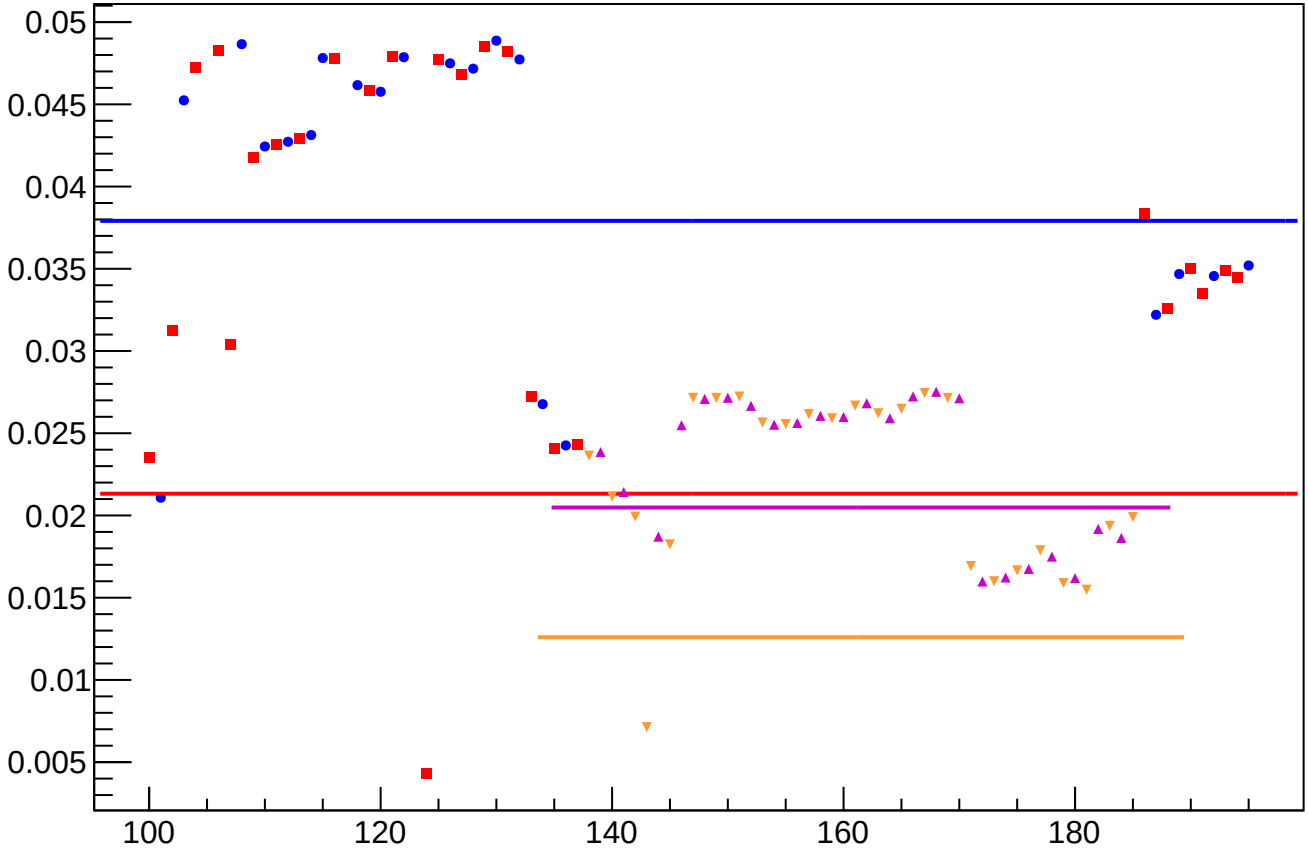
Right: 0.000+/-0.000 χ^2/NDF: 7349645.3/44

In: 0.000+/-0.000 χ^2/NDF:1372165.8/42

Out: 0.000+/-0.000 χ^2/NDF:6707194.0/49

All: 0.000+/-0.000 χ^2/NDF: 8440937.6/92

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7193046523.7/19

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 44386961589.1/24

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

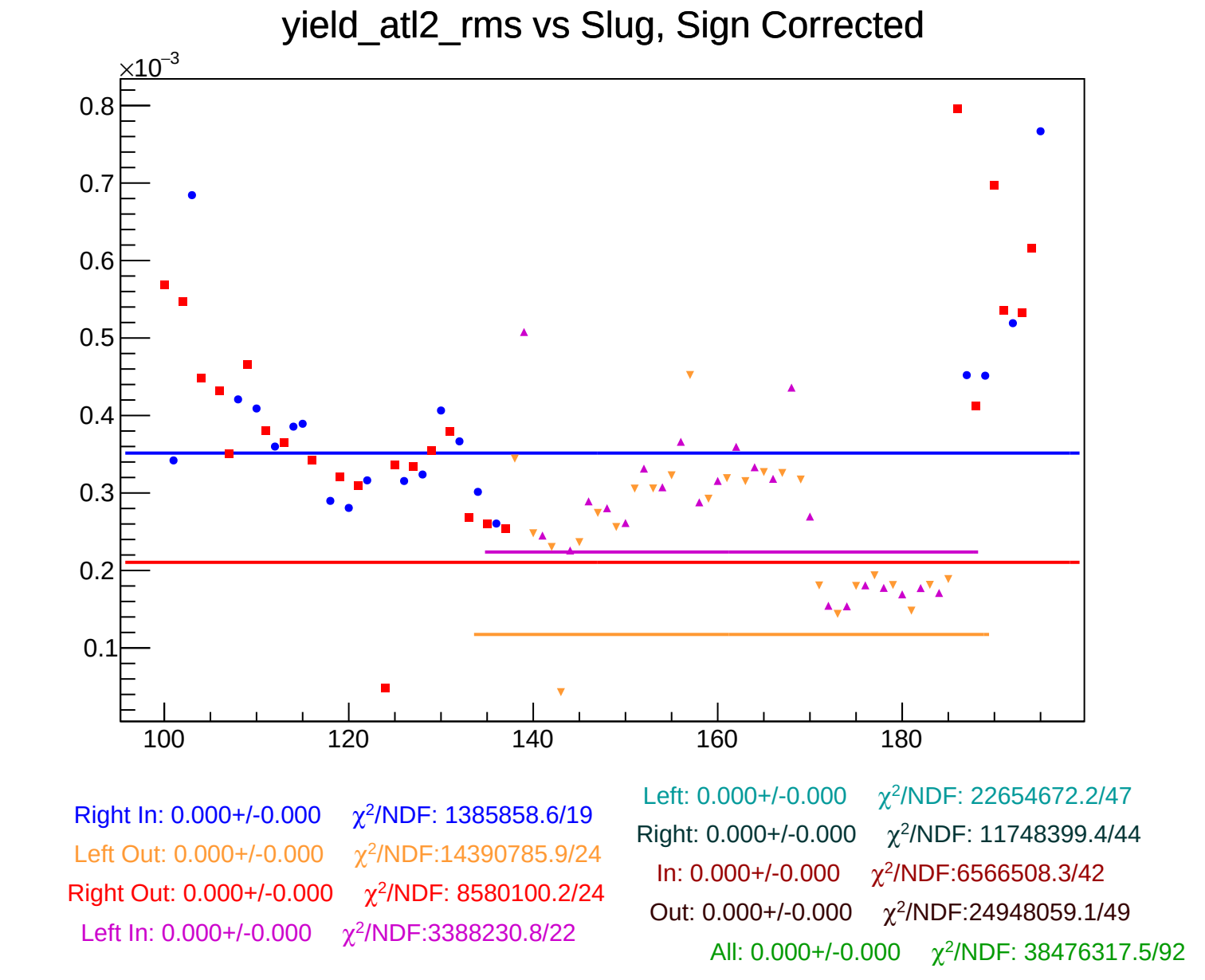
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.027+/-0.000 χ^2/NDF: 63921757101.9/44

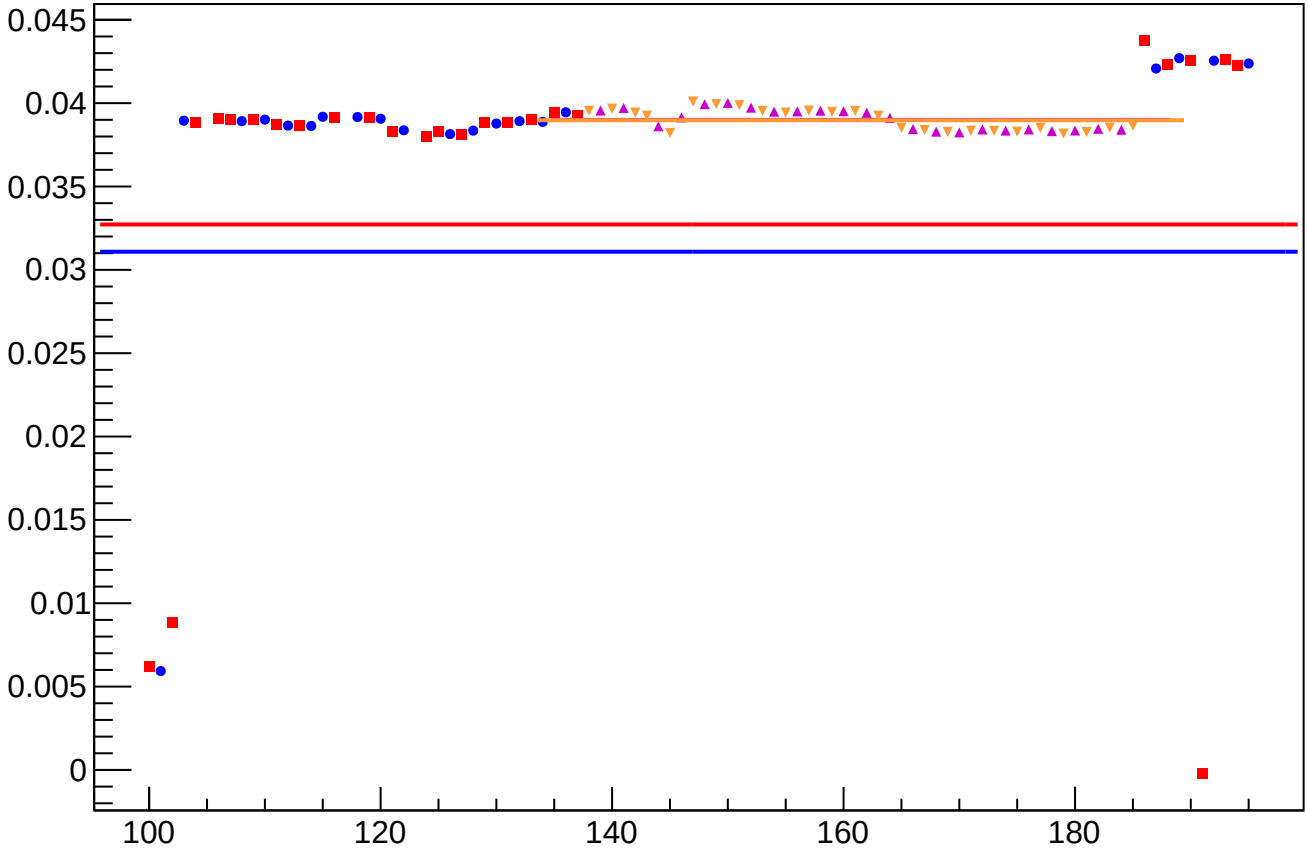
In: 0.024+/-0.000 χ^2/NDF:30000404336.6/42

Out: 0.014+/-0.000 χ^2/NDF:90415425639.9/49

All: 0.017+/-0.000 χ^2/NDF: 145154393318.2


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1385858.6/19
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 8580100.2/24
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22654672.2/47
Right: 0.000+/-0.000 χ²/NDF: 11748399.4/44
In: 0.000+/-0.000 χ²/NDF:6566508.3/42
Out: 0.000+/-0.000 χ²/NDF:24948059.1/49
All: 0.000+/-0.000 χ²/NDF: 38476317.5/92

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 115347580532.2/19

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.033+/-0.000 χ^2/NDF: 110270244368.7/24

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

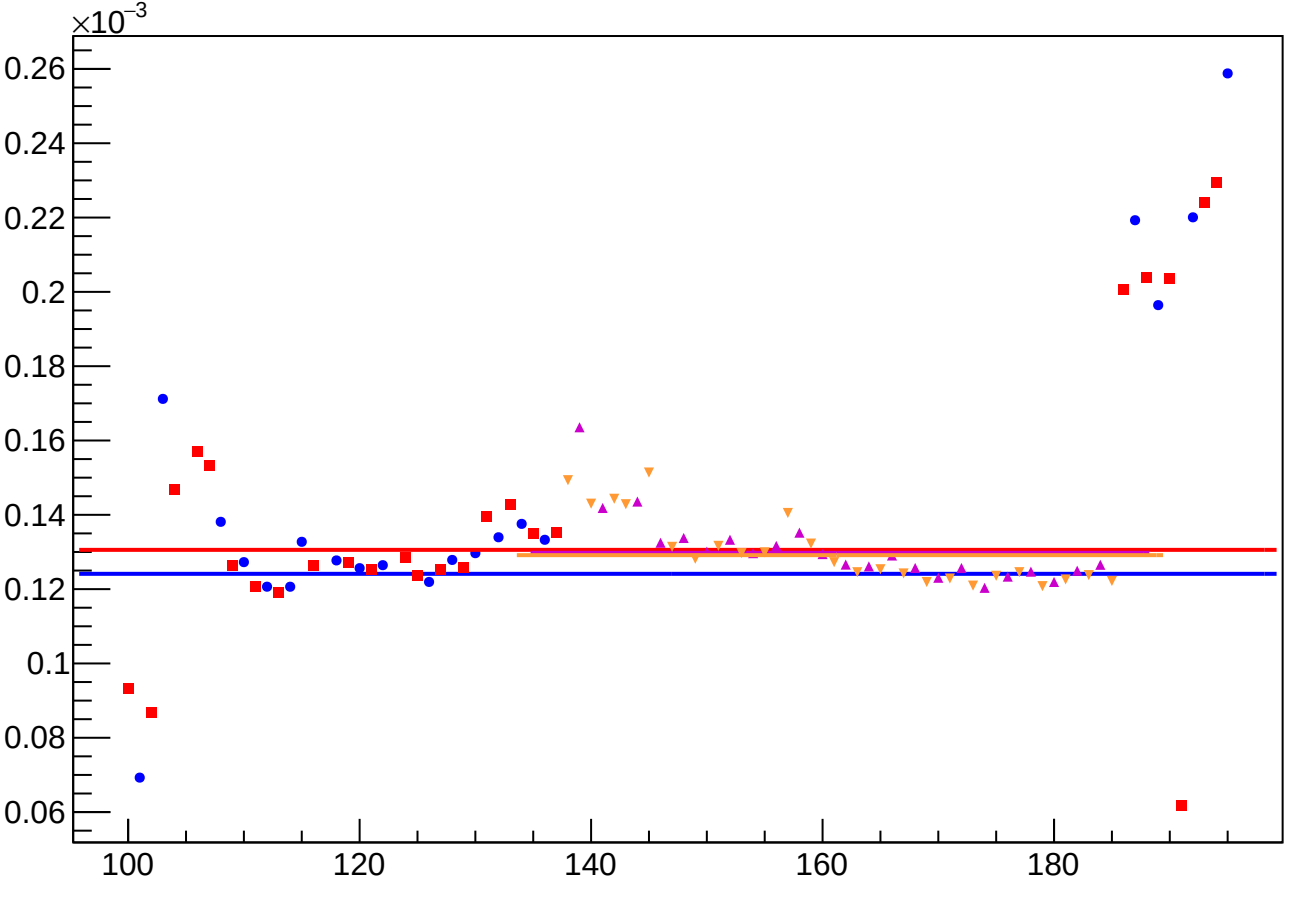
Right: 0.032+/-0.000 χ^2/NDF: 226370855895.5/44

In: 0.036+/-0.000 χ^2/NDF:138599498696.8/42

Out: 0.037+/-0.000 χ^2/NDF:125532133941.2/49

All: 0.037+/-0.000 χ^2/NDF: 264438113150.8

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1972472.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1789105.8/24

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

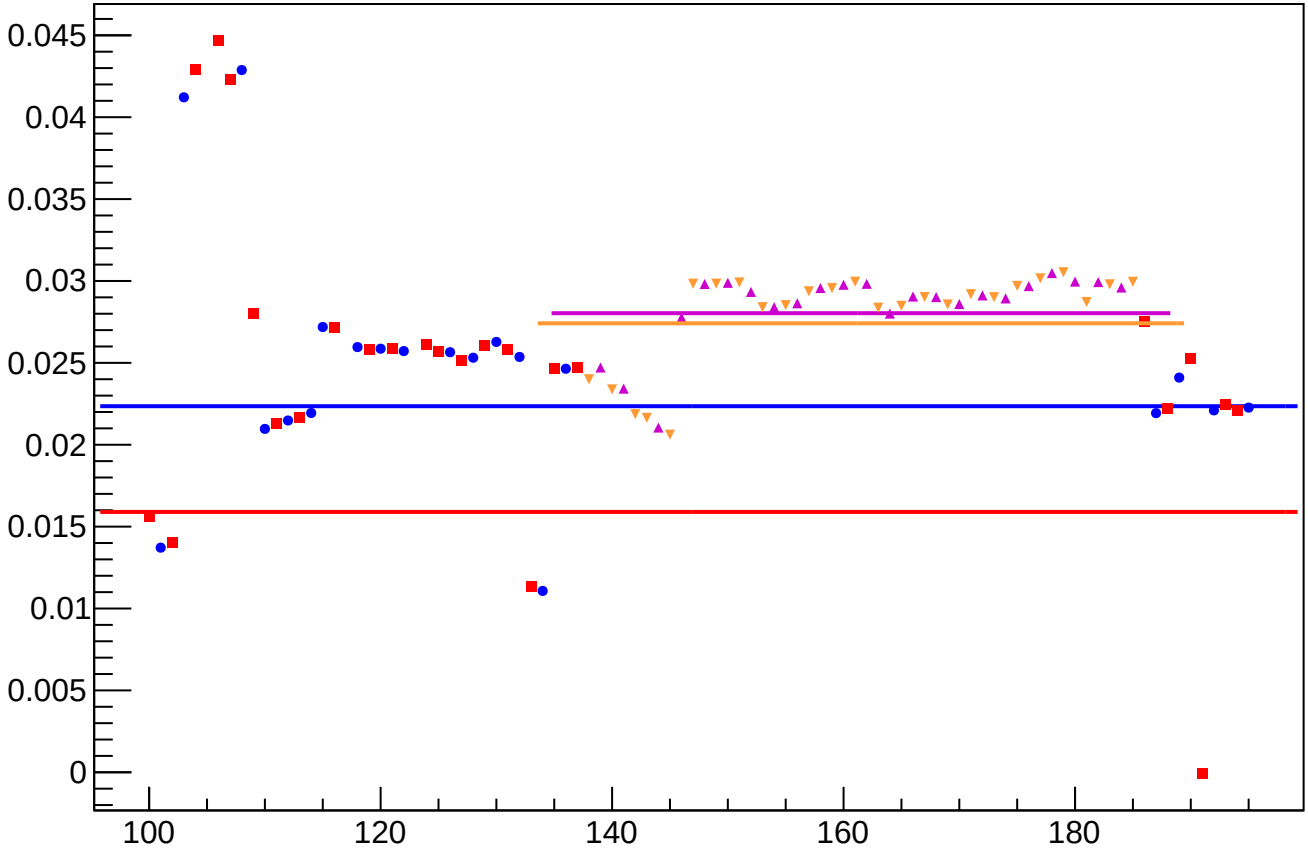
Right: 0.000+/-0.000 χ^2/NDF: 3784979.6/44

In: 0.000+/-0.000 χ^2/NDF:2137632.1/42

Out: 0.000+/-0.000 χ^2/NDF:1948199.7/49

All: 0.000+/-0.000 χ^2/NDF: 4091169.1/92

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5024451065.9/19

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 24852221852.6/24

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

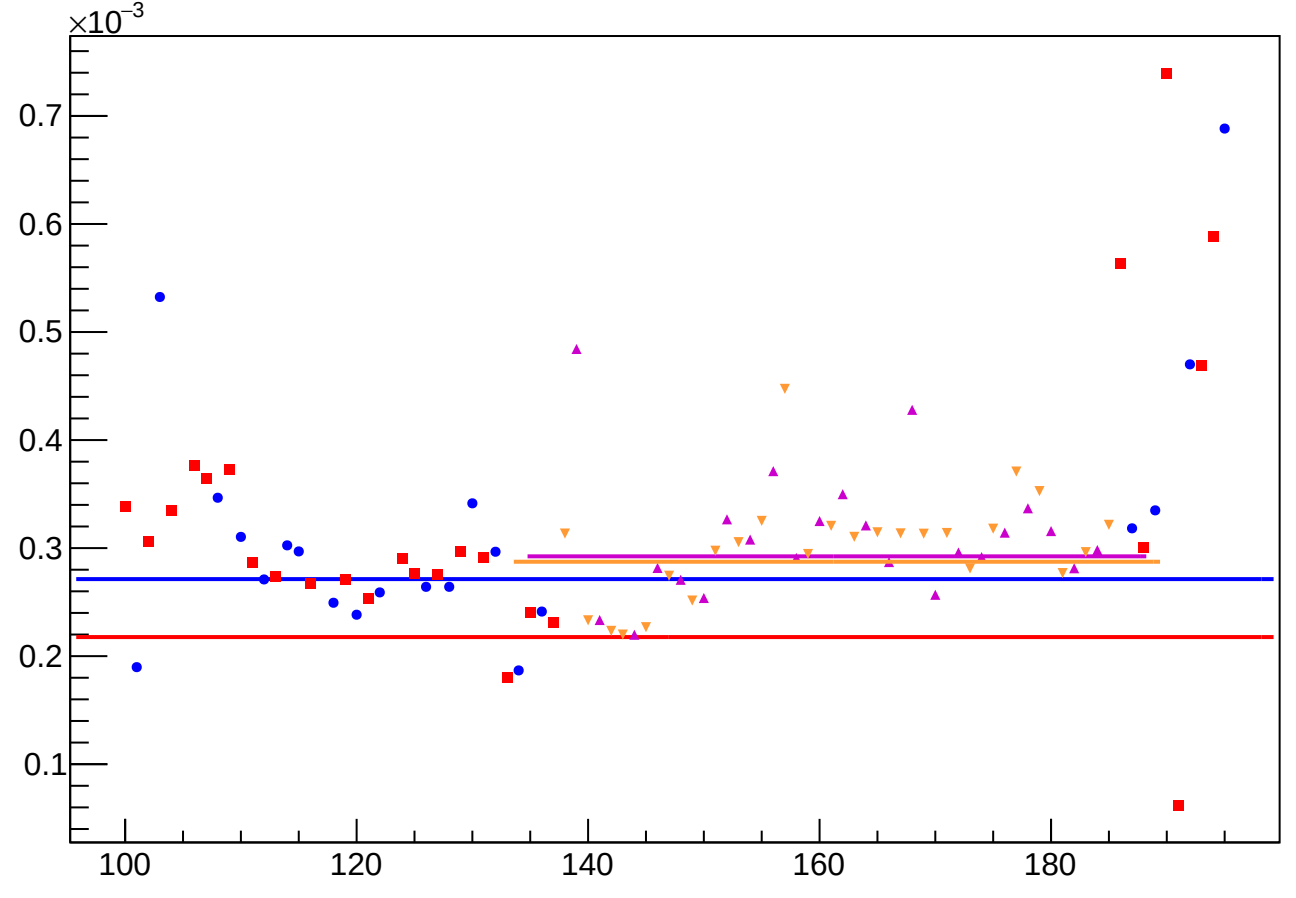
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

Right: 0.019+/-0.000 χ^2/NDF: 32564875183.8/44

In: 0.026+/-0.000 χ^2/NDF:8766682072.0/42

Out: 0.022+/-0.000 χ^2/NDF:38949952645.7/49

All: 0.024+/-0.000 χ^2/NDF: 49768369959.9/9



Right In: 0.000+/-0.000 χ^2/NDF: 1728022.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5294757.7/24

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

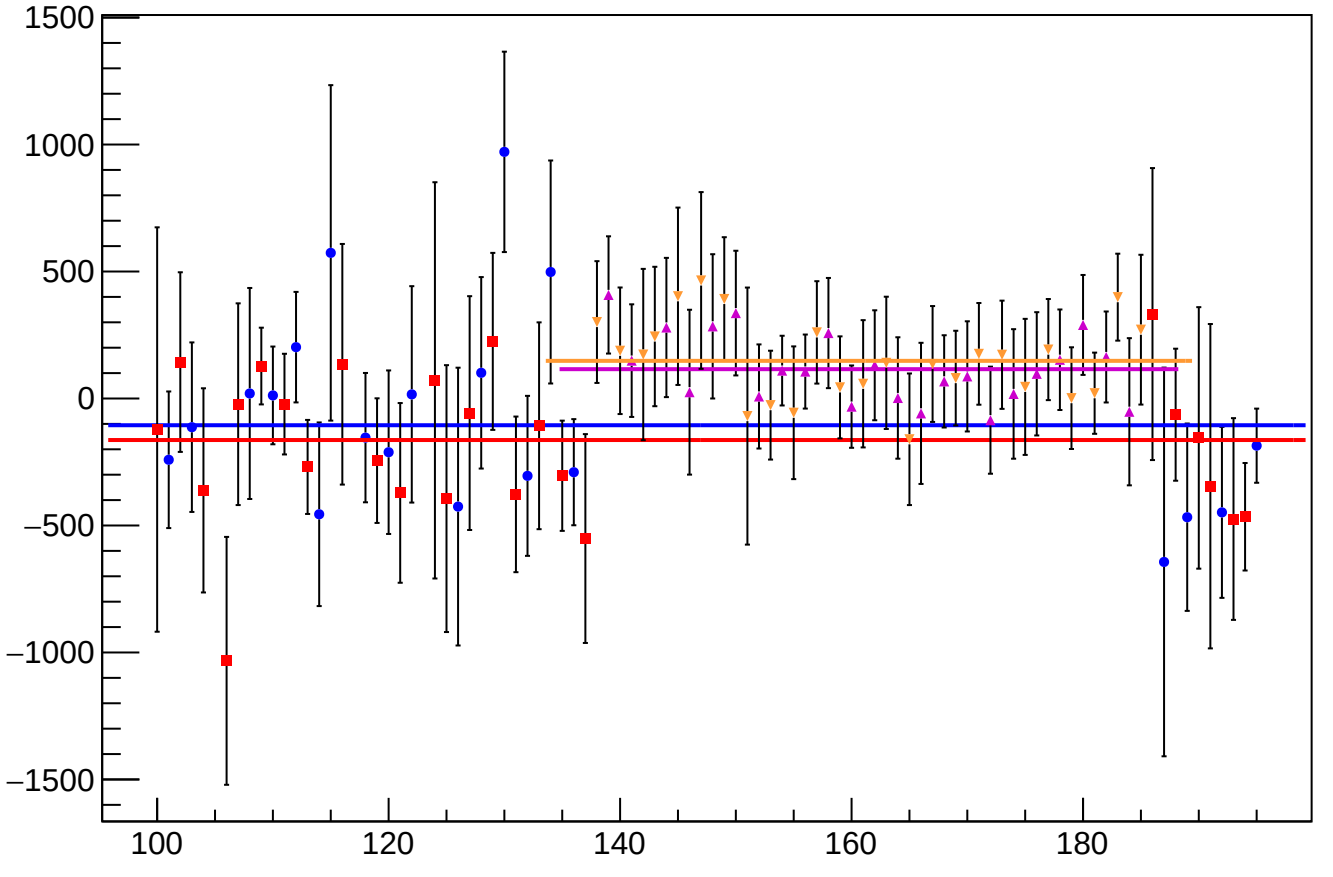
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 7394151.5/44

In: 0.000+/-0.000 χ^2/NDF:2760439.6/42

Out: 0.000+/-0.000 χ^2/NDF:6985495.5/49

All: 0.000+/-0.000 χ^2/NDF: 9994157.4/92



Right In: -105.242+/-64.952 χ^2/NDF: 18.9/19

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -163.505+/-61.018 χ^2/NDF: 16.7/24

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

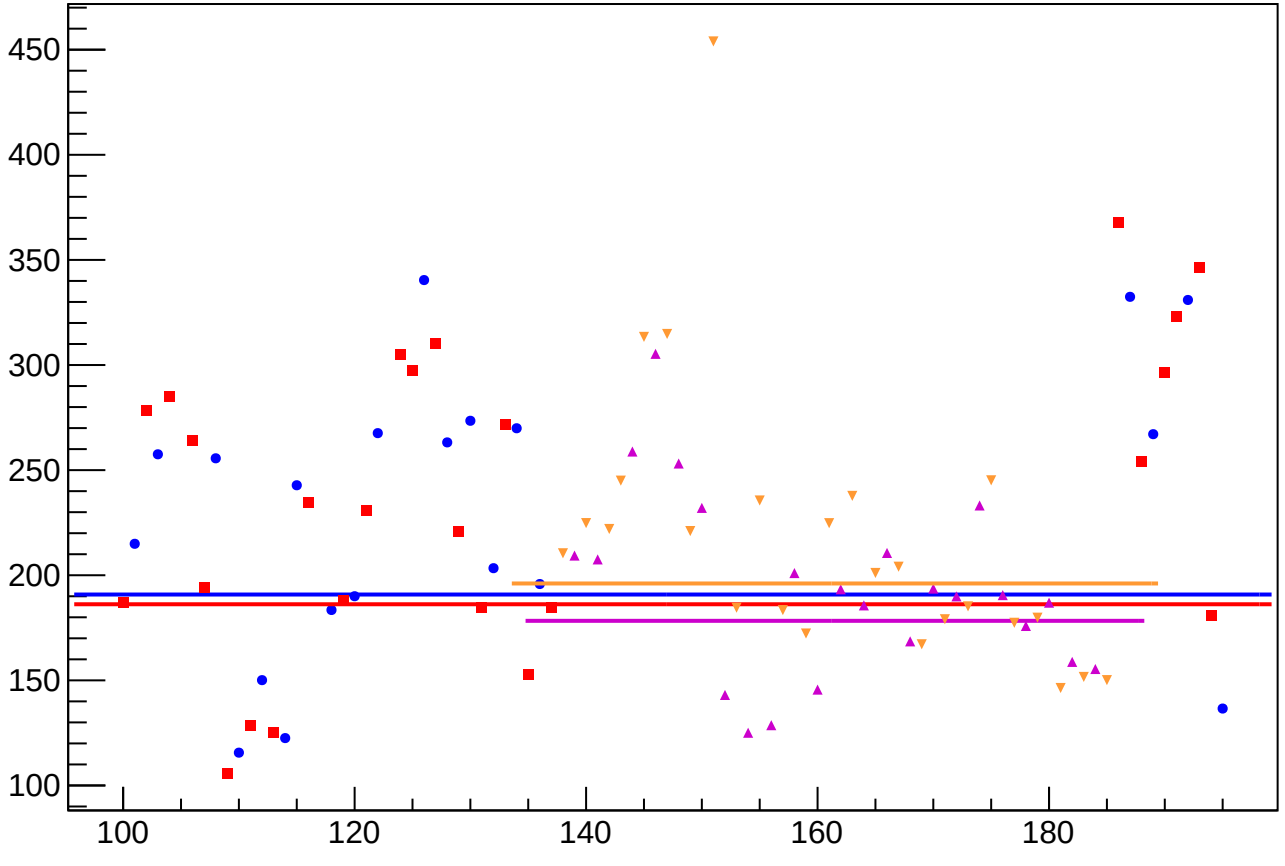
Right: -136.192+/-44.472 χ^2/NDF: 36.1/44

In: 46.991+/-36.182 χ^2/NDF:34.6/42

Out: 34.605+/-36.843 χ^2/NDF:43.7/49

All: 40.910+/-25.815 χ^2/NDF: 78.4/92

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.831+/-0.046 χ^2/NDF: 1827774.6/19

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 186.201+/-0.043 χ^2/NDF: 2597961.9/24

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

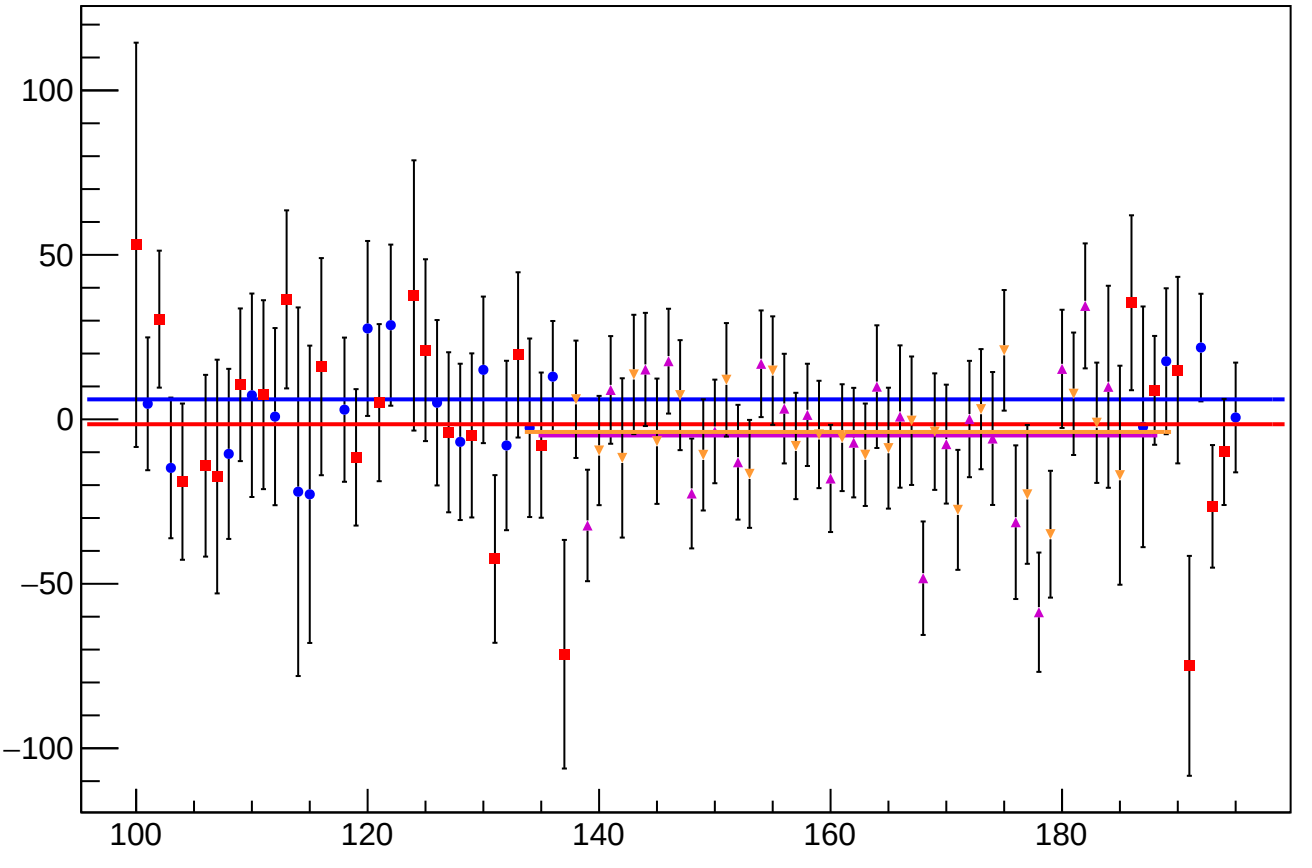
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 188.372+/-0.031 χ^2/NDF: 4431135.7/44

In: 182.201+/-0.026 χ^2/NDF:3557308.7/42

Out: 192.482+/-0.026 χ^2/NDF:4449812.2/49

All: 187.249+/-0.018 χ^2/NDF: 8086407.5/92



Right In: 6.071+/-5.244 χ^2/NDF: 6.0/19

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -1.491+/-4.938 χ^2/NDF: 25.6/24

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

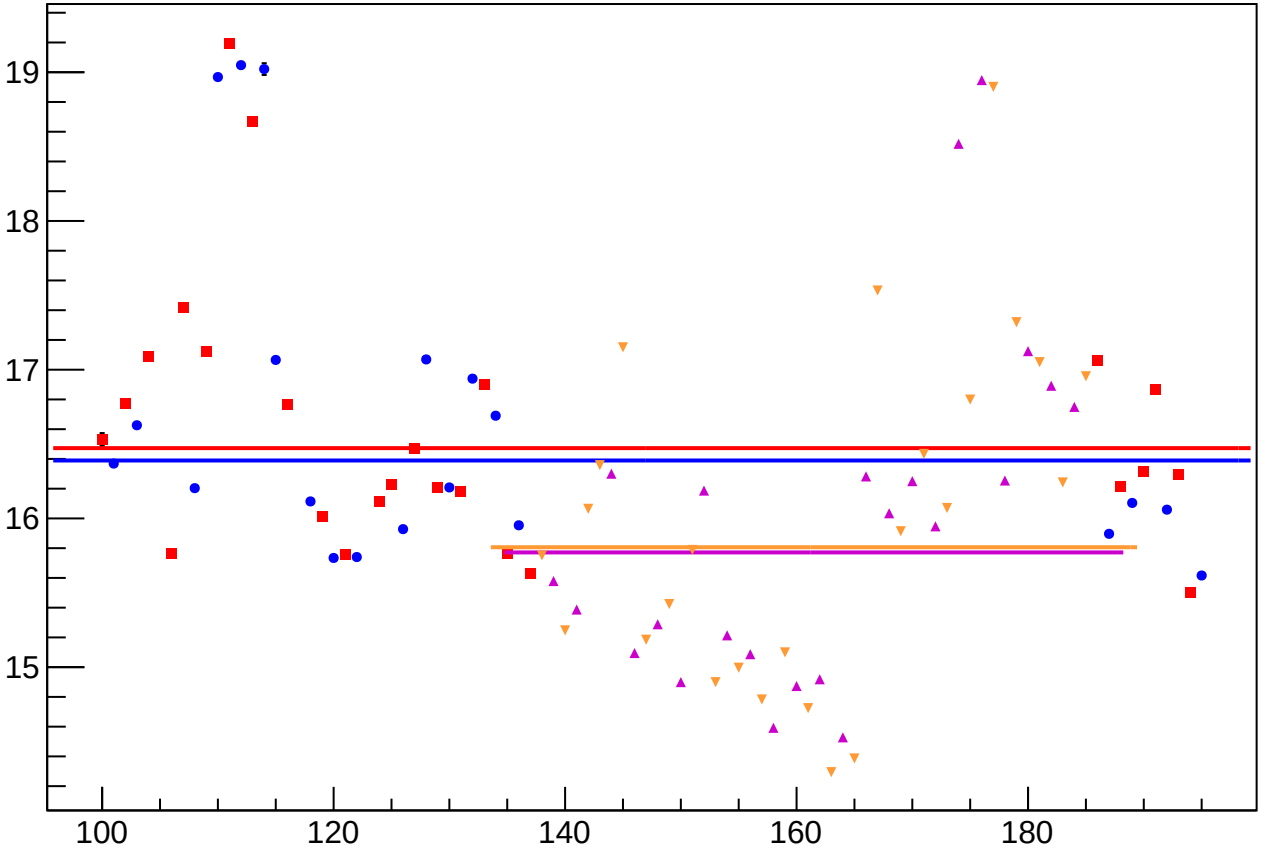
Right: 2.063+/-3.595 χ^2/NDF: 32.7/44

In: -1.262+/-3.021 χ^2/NDF:42.8/42

Out: -3.020+/-2.910 χ^2/NDF:38.6/49

All: -2.174+/-2.096 χ^2/NDF: 81.5/92

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.390+/-0.004 χ^2/NDF: 52261.2/19

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.473+/-0.003 χ^2/NDF: 53964.8/24

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

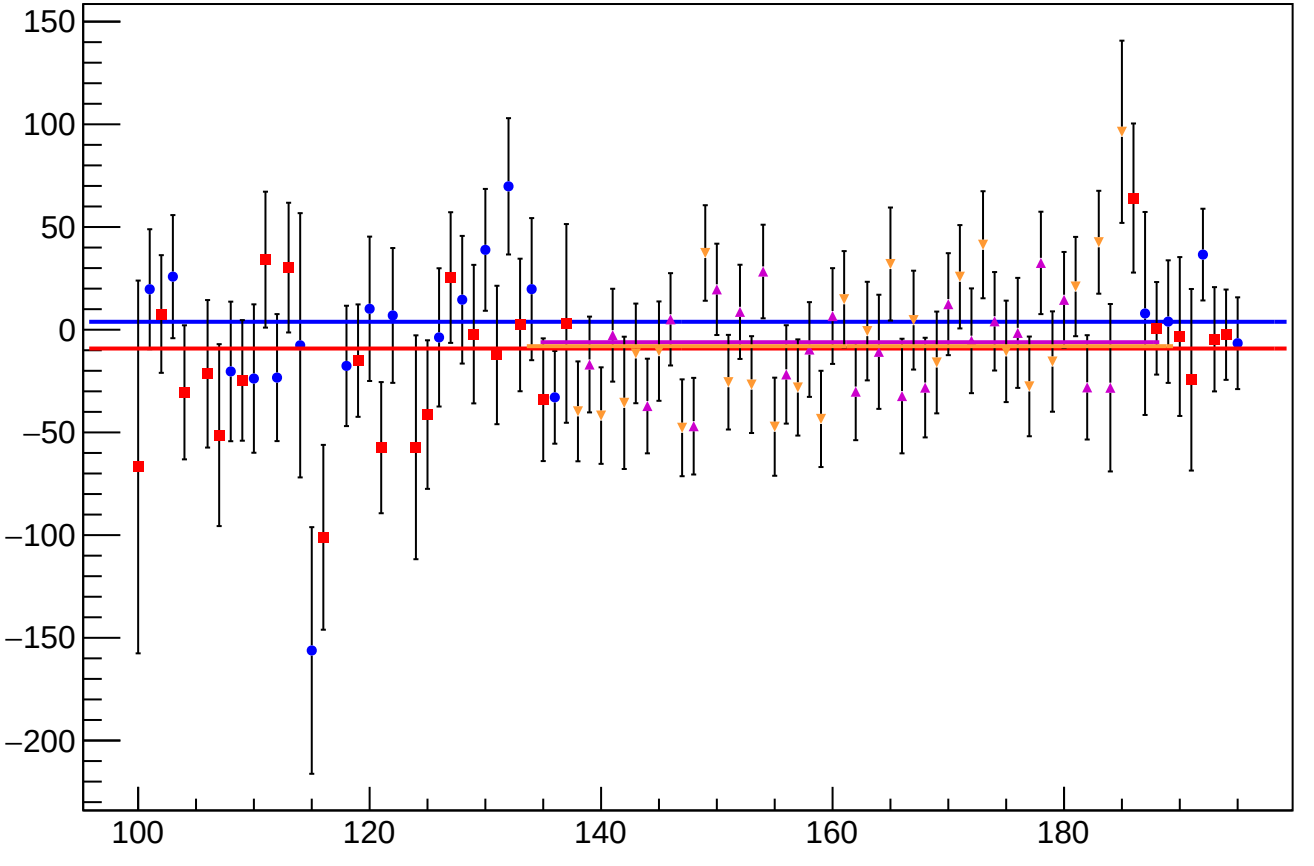
Right: 16.434+/-0.003 χ^2/NDF: 106492.1/44

In: 15.977+/-0.002 χ^2/NDF:222967.4/42

Out: 16.038+/-0.002 χ^2/NDF:250383.8/49

All: 16.008+/-0.001 χ^2/NDF: 473777.5/92

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.859+/-6.952 χ^2/NDF: 21.2/19

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.158+/-6.546 χ^2/NDF: 20.5/24

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

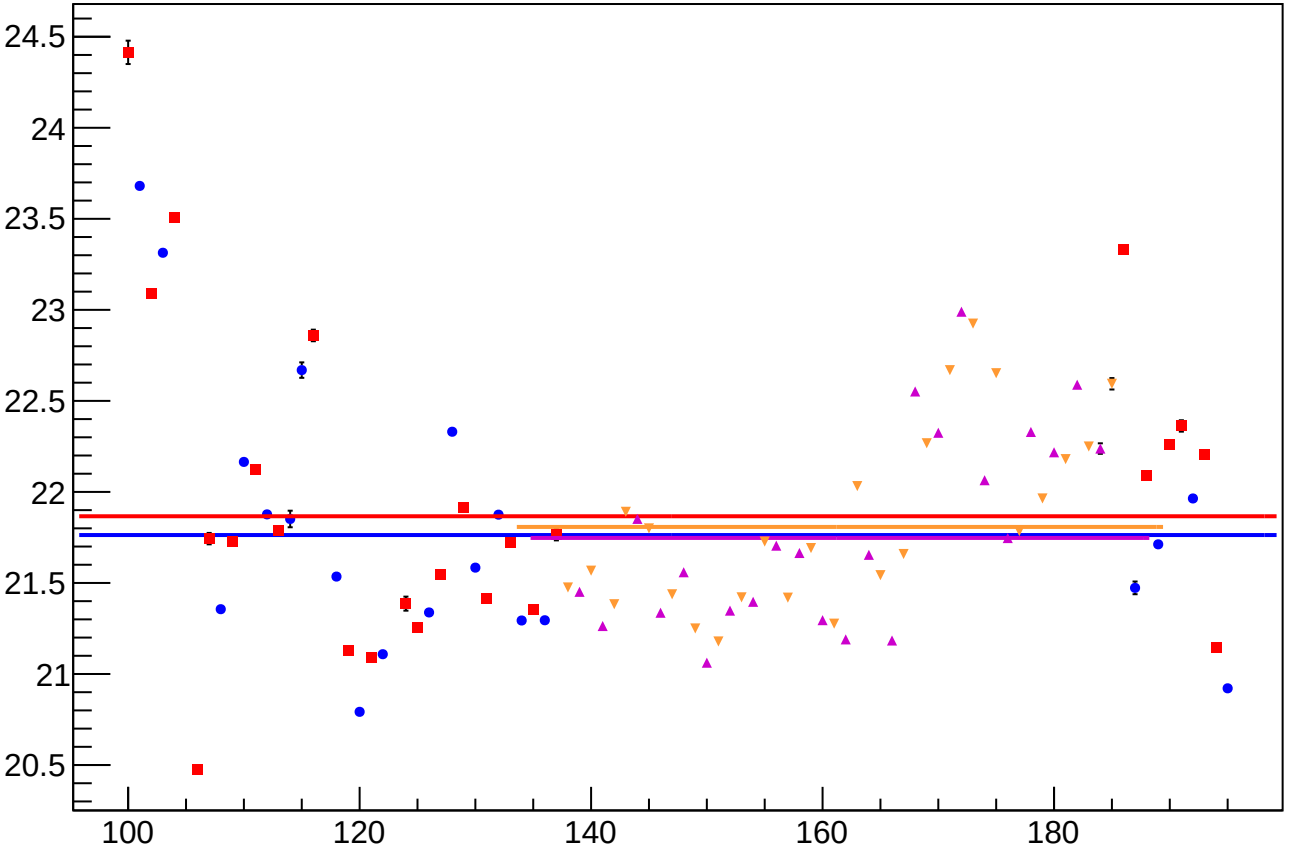
Right: -3.041+/-4.766 χ^2/NDF: 43.5/44

In: -2.624+/-4.102 χ^2/NDF:40.4/42

Out: -8.432+/-3.951 χ^2/NDF:59.3/49

All: -5.637+/-2.846 χ^2/NDF: 100.8/92

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.763+/-0.005 χ^2/NDF: 22826.2/19

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.866+/-0.005 χ^2/NDF: 25439.5/24

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

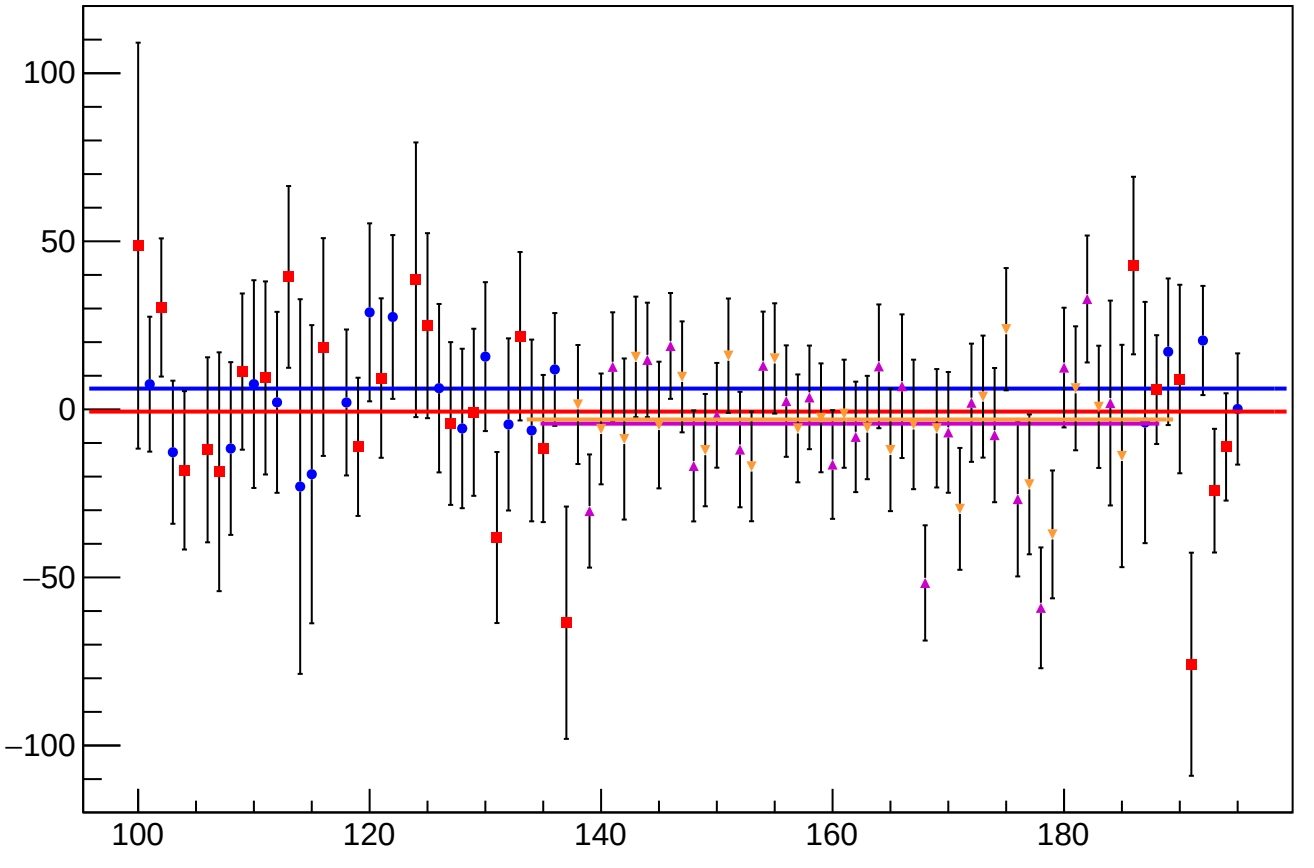
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.818+/-0.003 χ^2/NDF: 48499.2/44

In: 21.753+/-0.003 χ^2/NDF:43393.9/42

Out: 21.829+/-0.003 χ^2/NDF:43102.5/49

All: 21.792+/-0.002 χ^2/NDF: 86855.0/92



Right In: 6.184+/-5.208 χ^2/NDF: 5.6/19

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -0.658+/-4.897 χ^2/NDF: 25.8/24

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

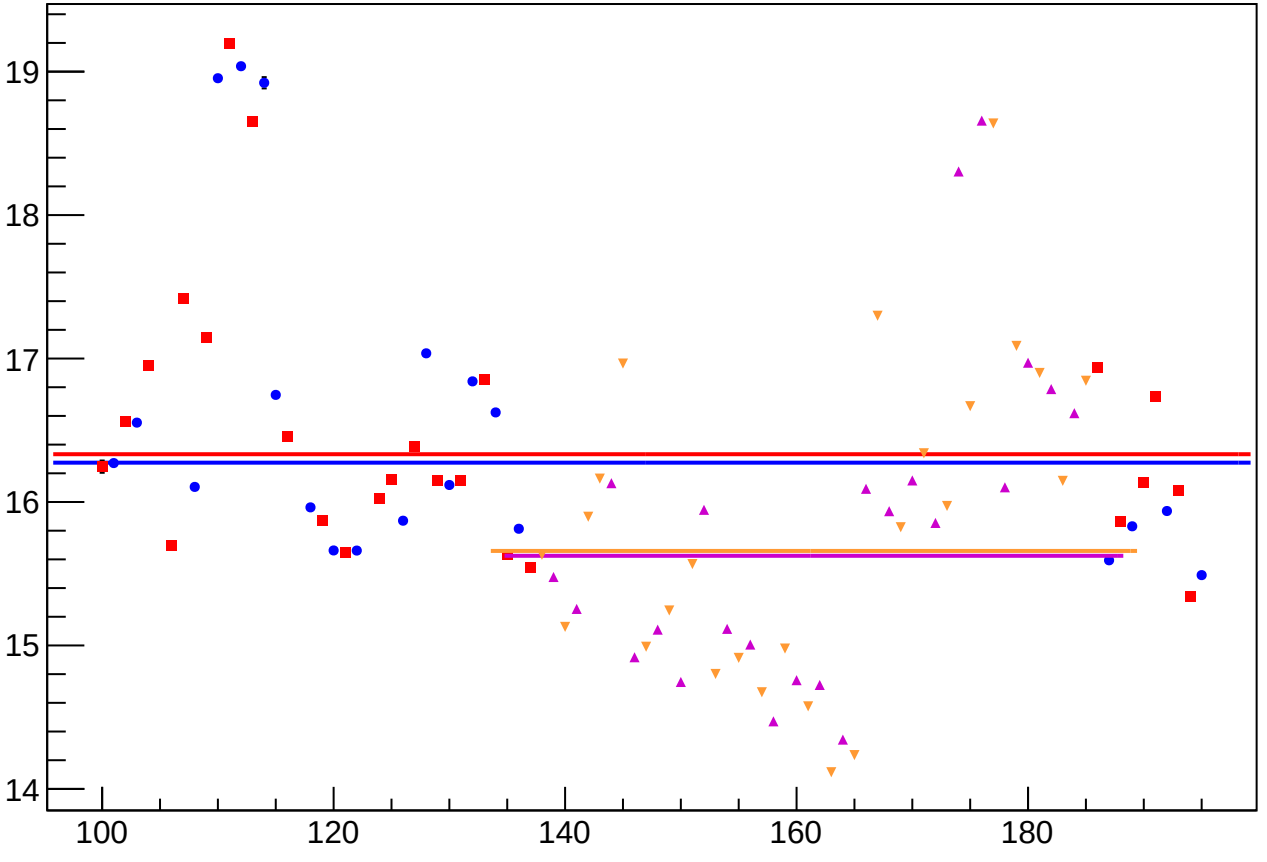
Right: 2.553+/-3.568 χ^2/NDF: 32.3/44

In: -0.799+/-2.995 χ^2/NDF:42.1/42

Out: -2.189+/-2.884 χ^2/NDF:40.6/49

All: -1.520+/-2.077 χ^2/NDF: 82.8/92

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.274+/-0.004 χ^2/NDF: 56443.1/19

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.333+/-0.003 χ^2/NDF: 59784.5/24

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

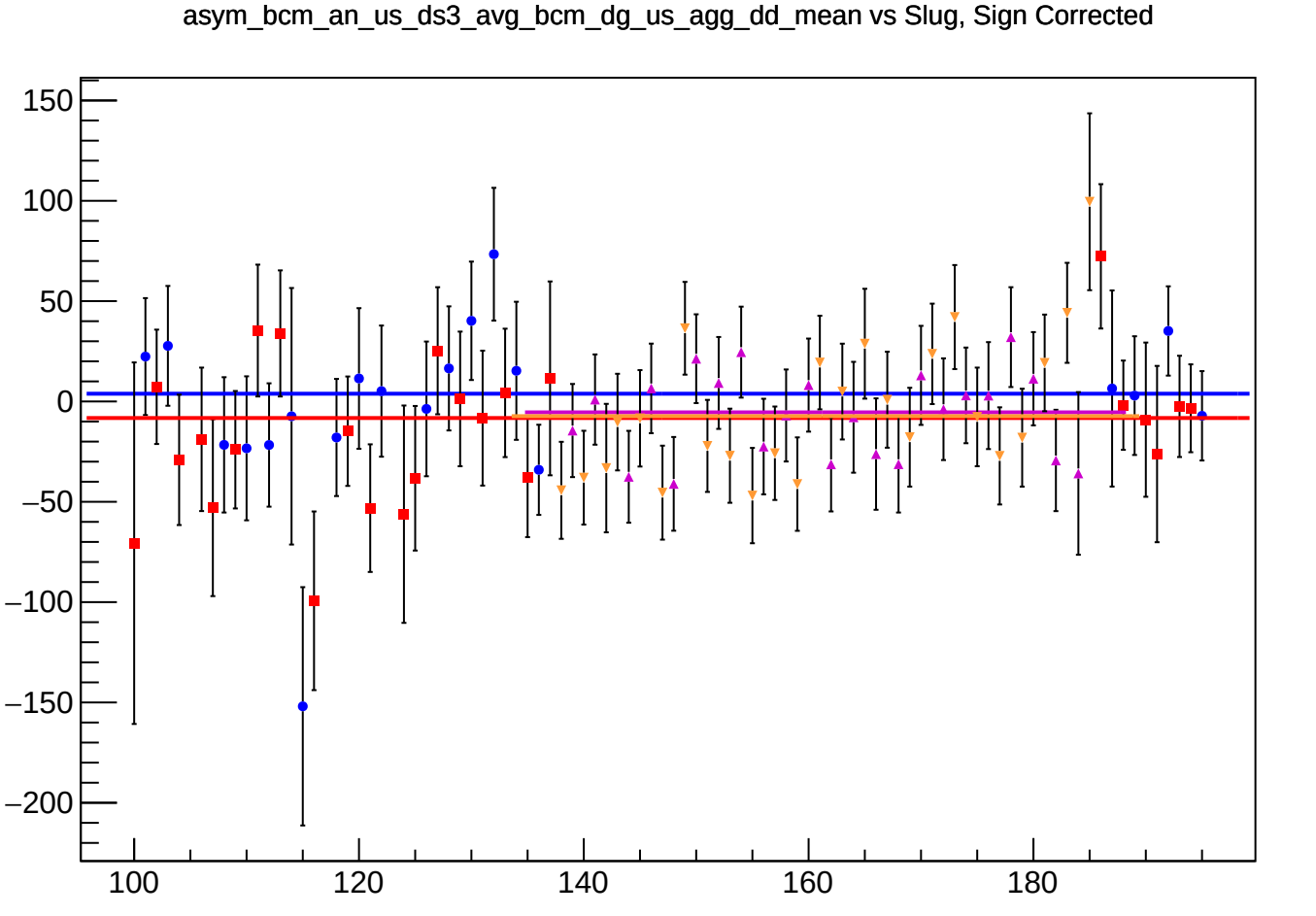
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 16.305+/-0.003 χ^2/NDF: 116363.4/44

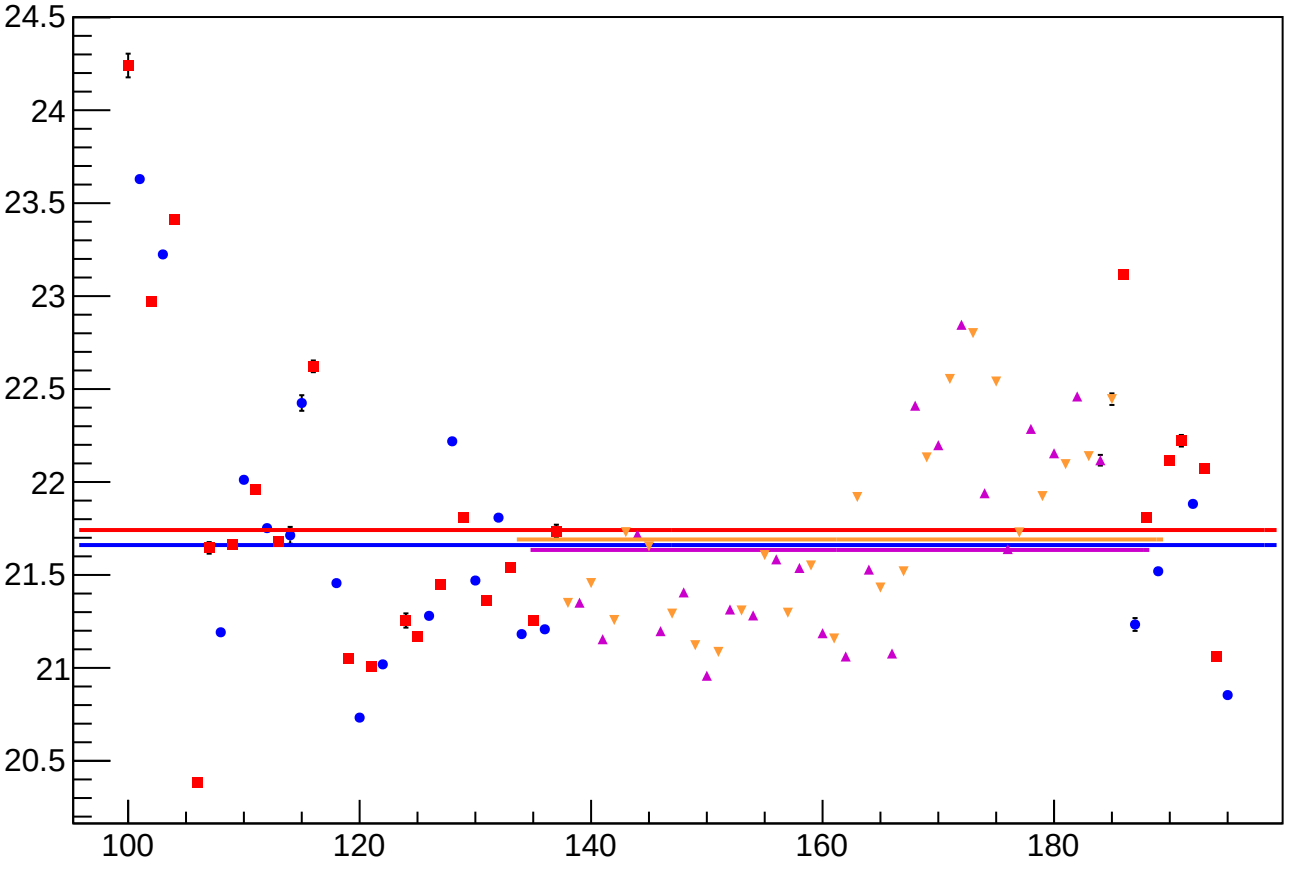
In: 15.840+/-0.002 χ^2/NDF:227672.8/42

Out: 15.893+/-0.002 χ^2/NDF:254378.8/49

All: 15.867+/-0.001 χ^2/NDF: 482377.3/92


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
100
120
140
160
180
Right In: 3.864+/-6.919 χ²/NDF: 21.7/19
Left Out: -7.318+/-4.929 χ²/NDF:38.6/24
Right Out: -8.251+/-6.508 χ²/NDF: 21.8/24
Left In: -5.435+/-5.054 χ²/NDF:17.3/22
Left: -6.400+/-3.529 χ²/NDF: 56.0/47
Right: -2.564+/-4.741 χ²/NDF: 45.1/44
In: -2.200+/-4.081 χ²/NDF:40.2/42
Out: -7.658+/-3.930 χ²/NDF:60.4/49
All: -5.032+/-2.831 χ²/NDF: 101.5/92

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.661+/-0.005 χ^2/NDF: 23071.1/19

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.742+/-0.005 χ^2/NDF: 24039.7/24

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

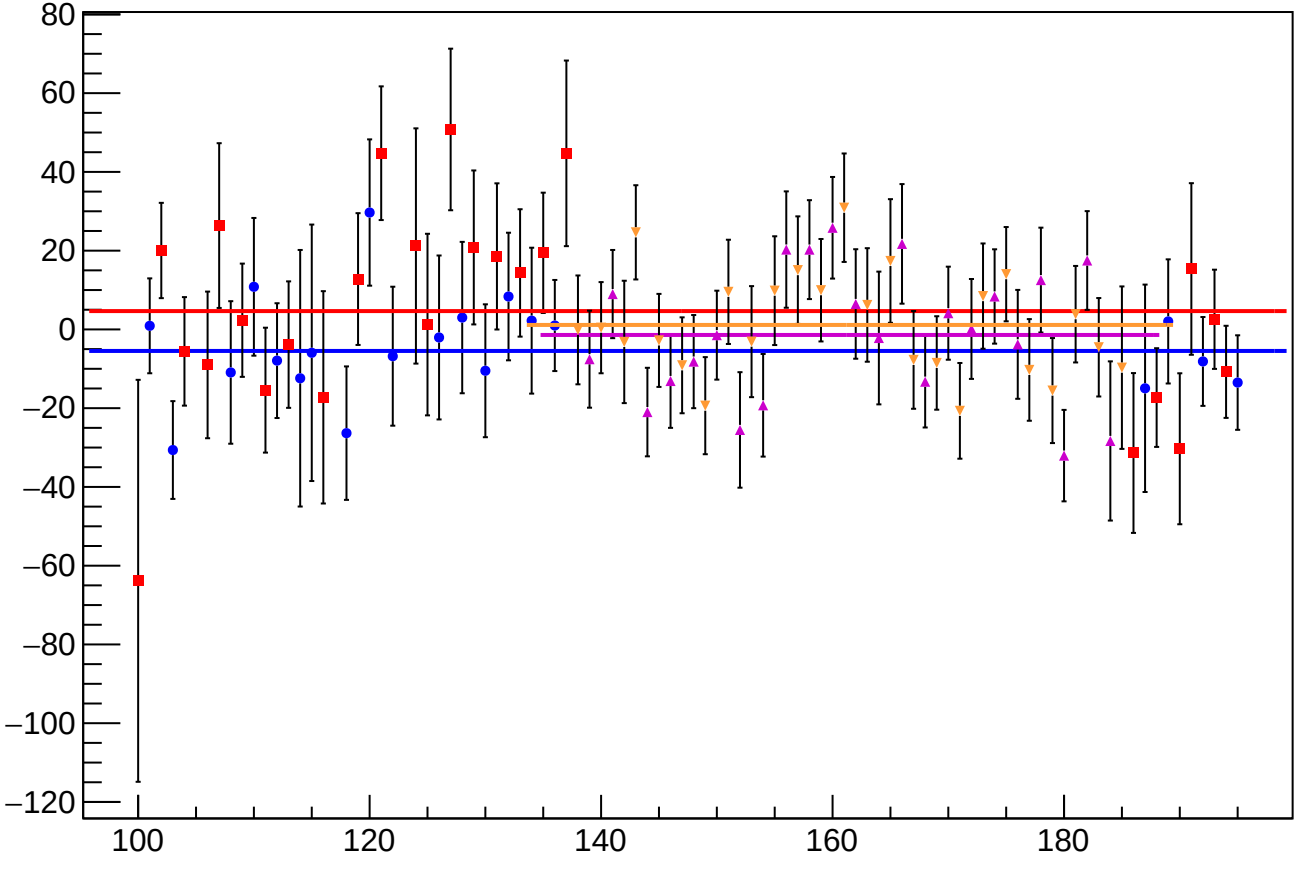
Right: 21.704+/-0.003 χ^2/NDF: 47255.6/44

In: 21.644+/-0.003 χ^2/NDF:43651.5/42

Out: 21.709+/-0.003 χ^2/NDF:42051.9/49

All: 21.678+/-0.002 χ^2/NDF: 85972.5/92

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.467+/-3.561 χ^2/NDF: 12.9/19

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 4.656+/-3.394 χ^2/NDF: 36.3/24

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

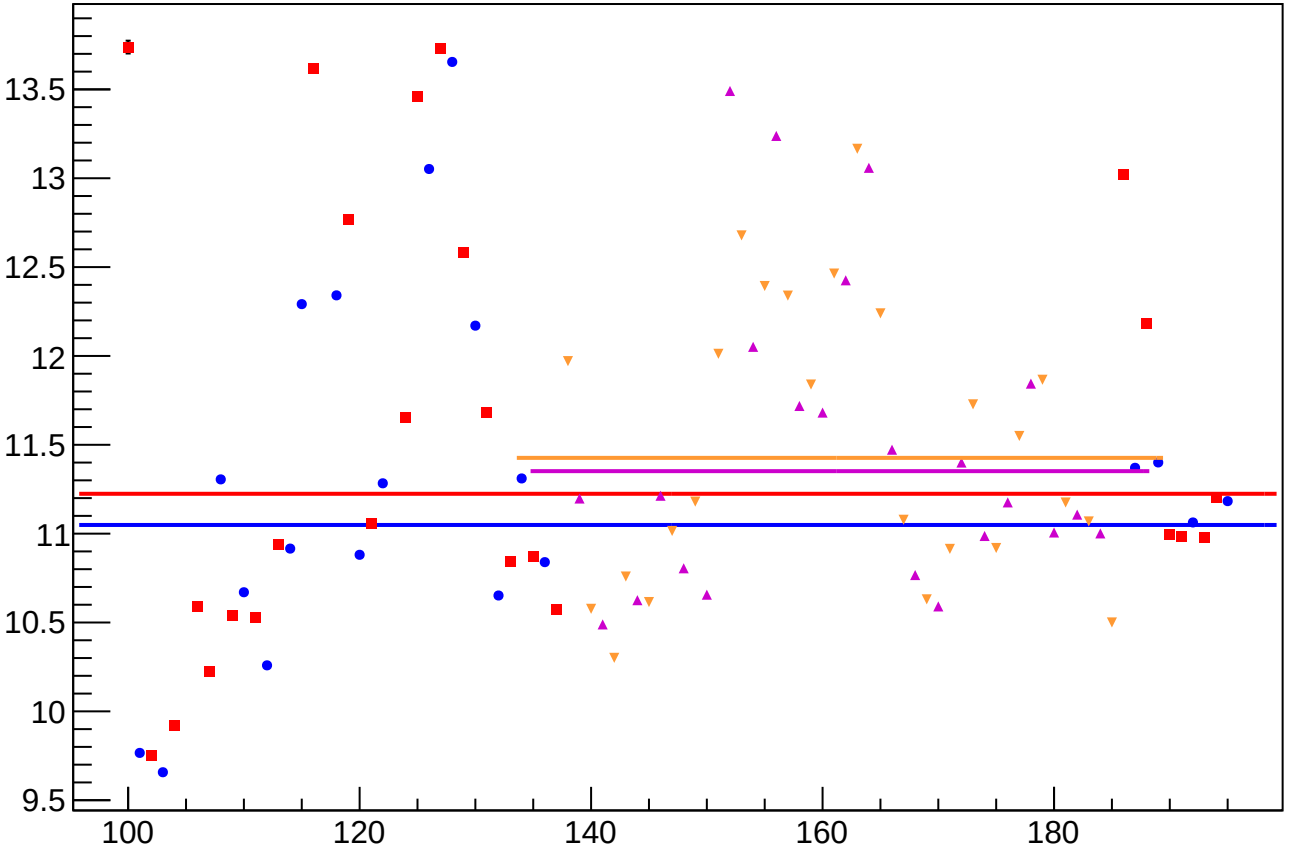
Right: -0.163+/-2.457 χ^2/NDF: 53.5/44

In: -2.871+/-2.138 χ^2/NDF:50.1/42

Out: 2.451+/-2.074 χ^2/NDF:61.5/49

All: -0.128+/-1.489 χ^2/NDF: 114.8/92

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.049+/-0.003 χ^2/NDF: 137997.7/19

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.224+/-0.002 χ^2/NDF: 193584.9/24

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

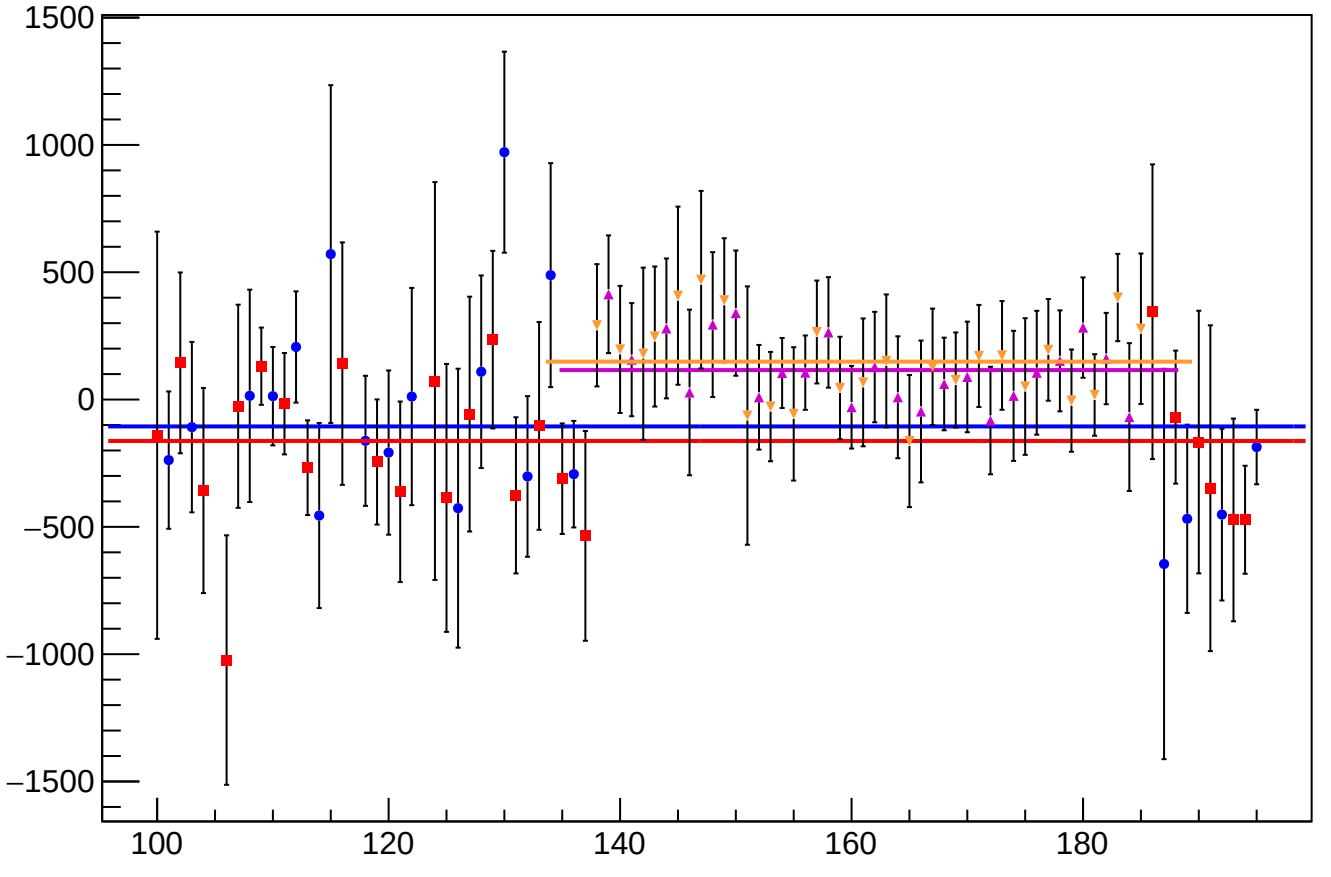
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.141+/-0.002 χ^2/NDF: 334126.8/44

In: 11.243+/-0.002 χ^2/NDF:317810.9/42

Out: 11.351+/-0.001 χ^2/NDF:355003.7/49

All: 11.298+/-0.001 χ^2/NDF: 675467.5/92



Right In: -105.561+/-65.129 χ^2/NDF: 18.9/19

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -162.655+/-61.204 χ^2/NDF: 16.8/24

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

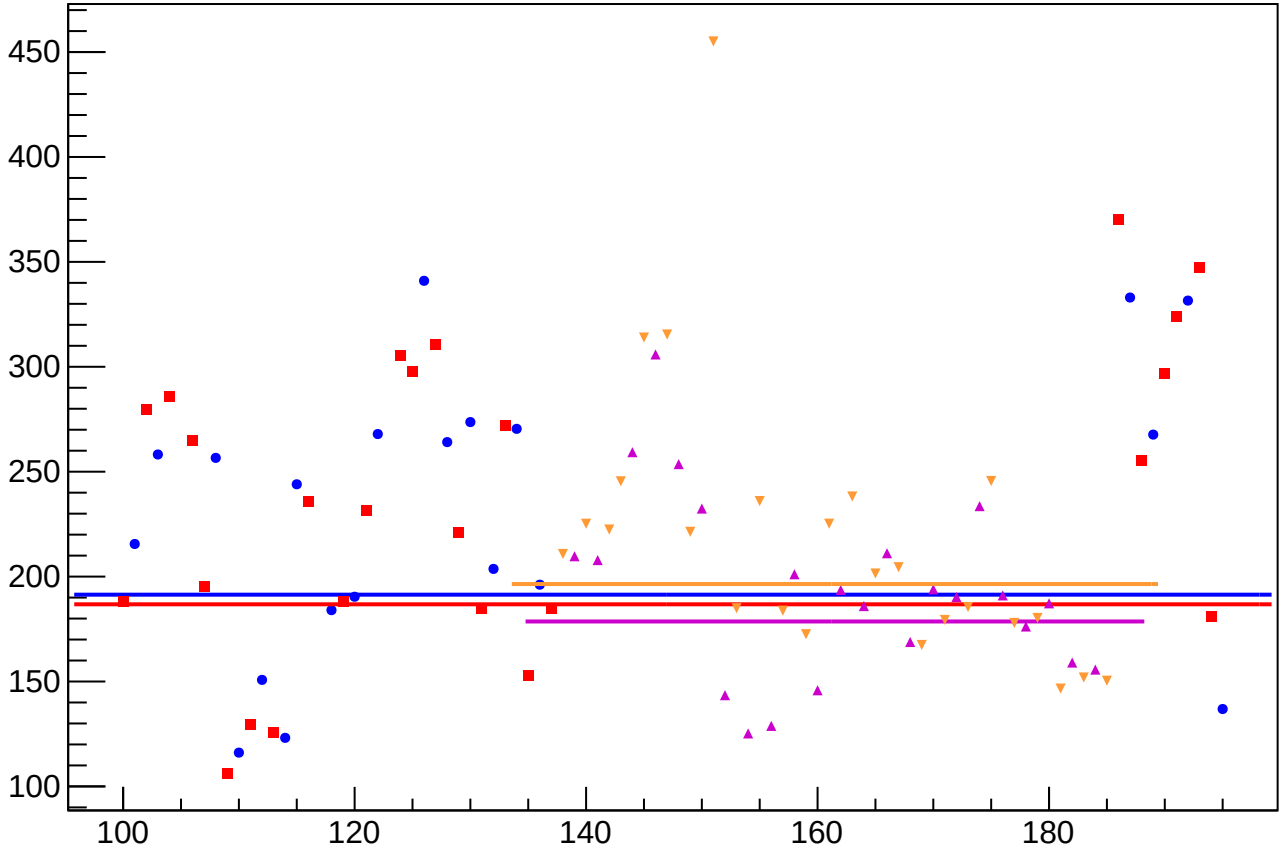
Right: -135.880+/-44.601 χ^2/NDF: 36.0/44

In: 47.146+/-36.254 χ^2/NDF:34.6/42

Out: 35.484+/-36.928 χ^2/NDF:43.7/49

All: 41.422+/-25.871 χ^2/NDF: 78.4/92

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.385+/-0.046 χ^2/NDF: 1821625.2/19

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 186.796+/-0.043 χ^2/NDF: 2592538.5/24

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

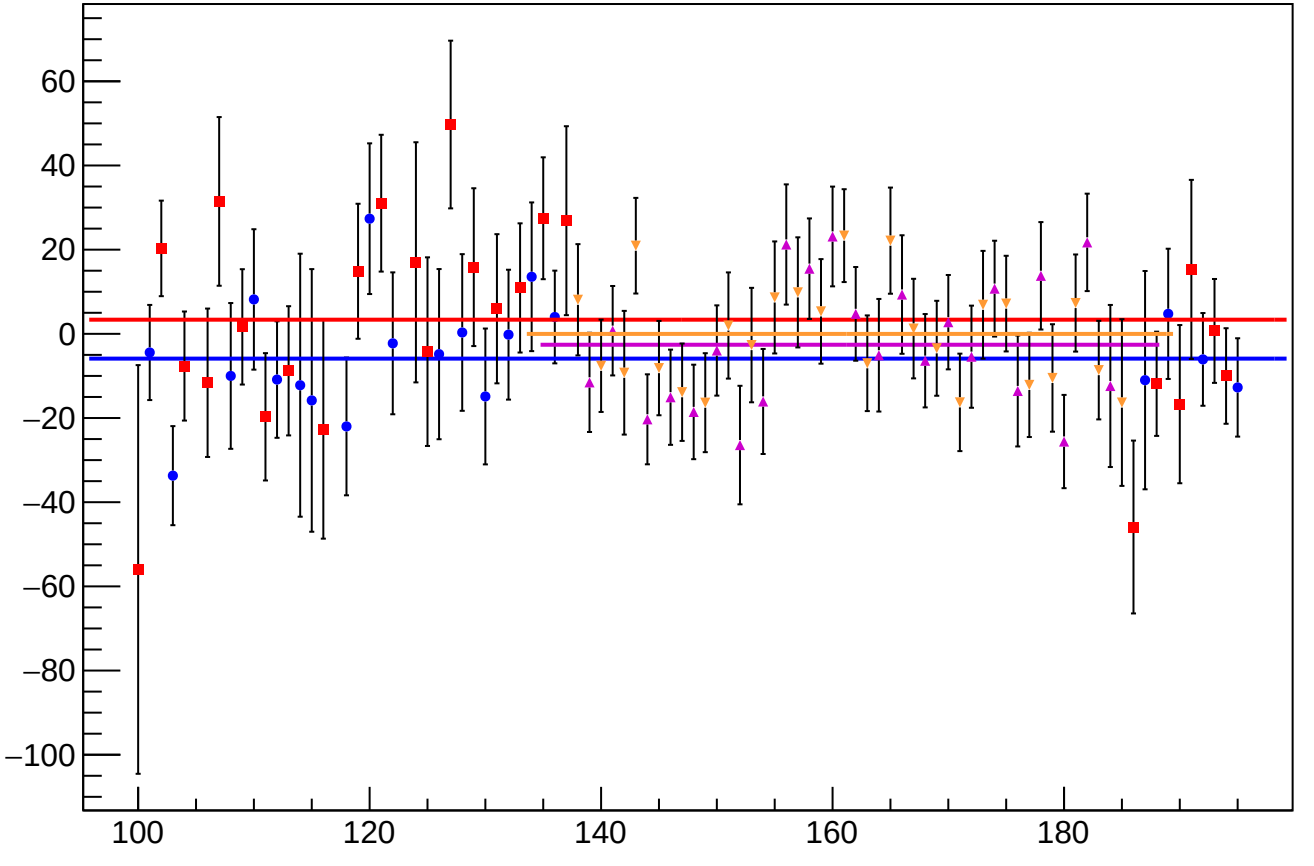
Right: 188.948+/-0.032 χ^2/NDF: 4419437.3/44

In: 182.571+/-0.026 χ^2/NDF:3553559.4/42

Out: 192.938+/-0.026 χ^2/NDF:4442959.6/49

All: 187.659+/-0.018 χ^2/NDF: 8076781.5/92

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.887+/-3.416 χ^2/NDF: 14.5/19

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.362+/-3.262 χ^2/NDF: 35.0/24

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

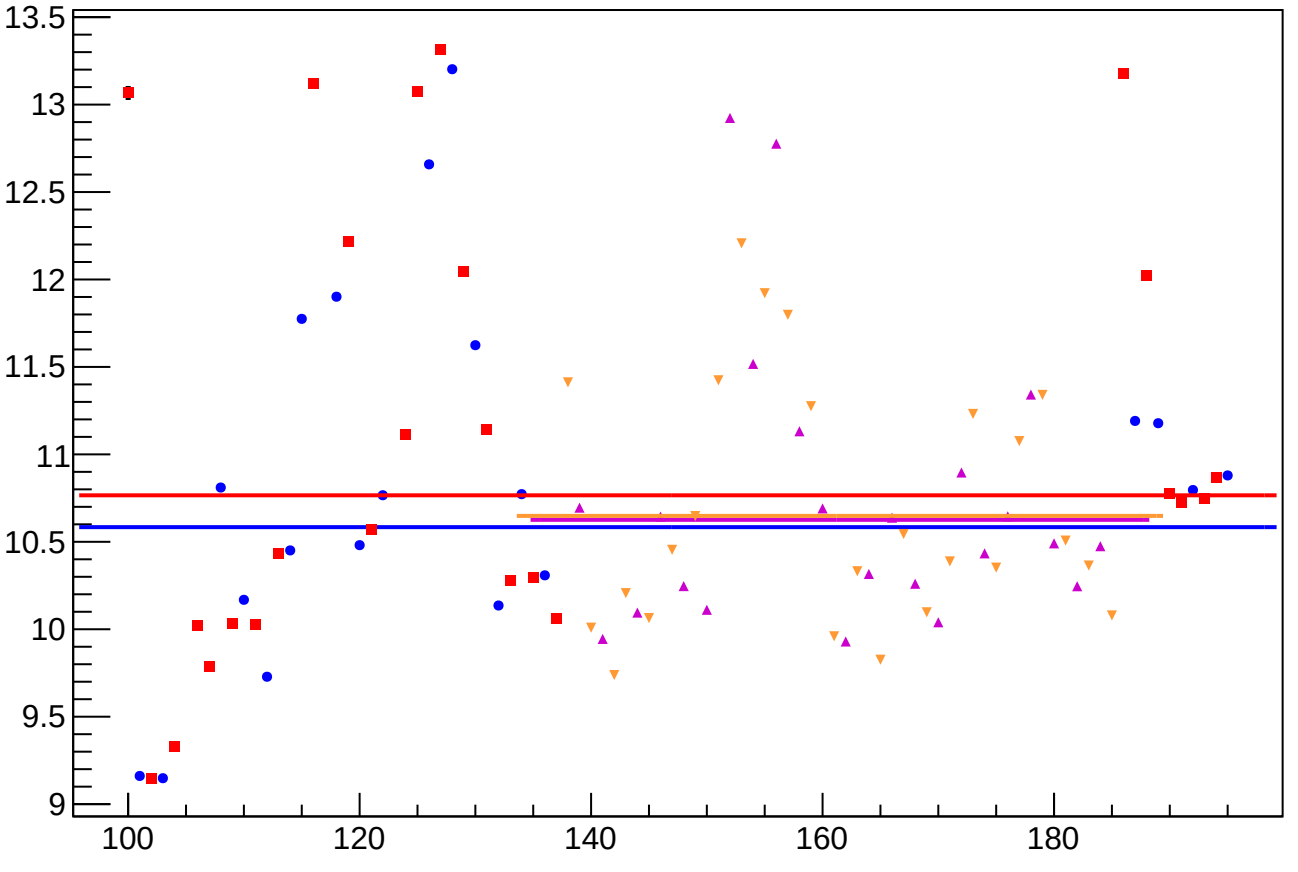
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -1.049+/-2.359 χ^2/NDF: 53.4/44

In: -3.744+/-2.021 χ^2/NDF:49.9/42

Out: 1.198+/-1.956 χ^2/NDF:59.4/49

All: -1.193+/-1.405 χ^2/NDF: 112.4/92



Right In: 10.584+/-0.002 χ^2/NDF: 165091.9/19

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.766+/-0.002 χ^2/NDF: 241663.7/24

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

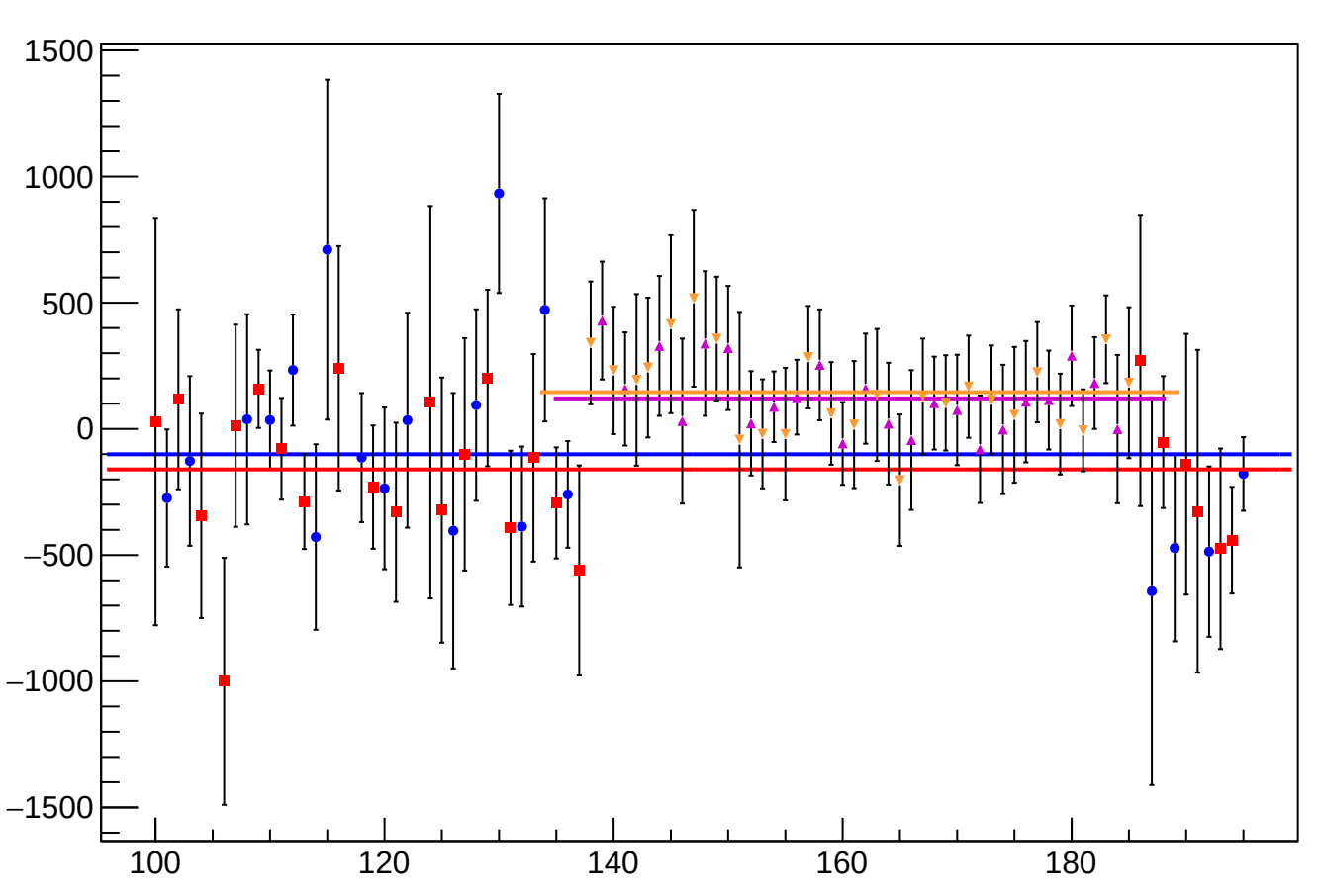
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.679+/-0.002 χ^2/NDF: 409725.1/44

In: 10.611+/-0.001 χ^2/NDF:324829.5/42

Out: 10.691+/-0.001 χ^2/NDF:386865.5/49

All: 10.652+/-0.001 χ^2/NDF: 713293.6/92



Right In: -100.504+/-65.388 χ^2/NDF: 19.4/19

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -160.533+/-61.623 χ^2/NDF: 16.2/24

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

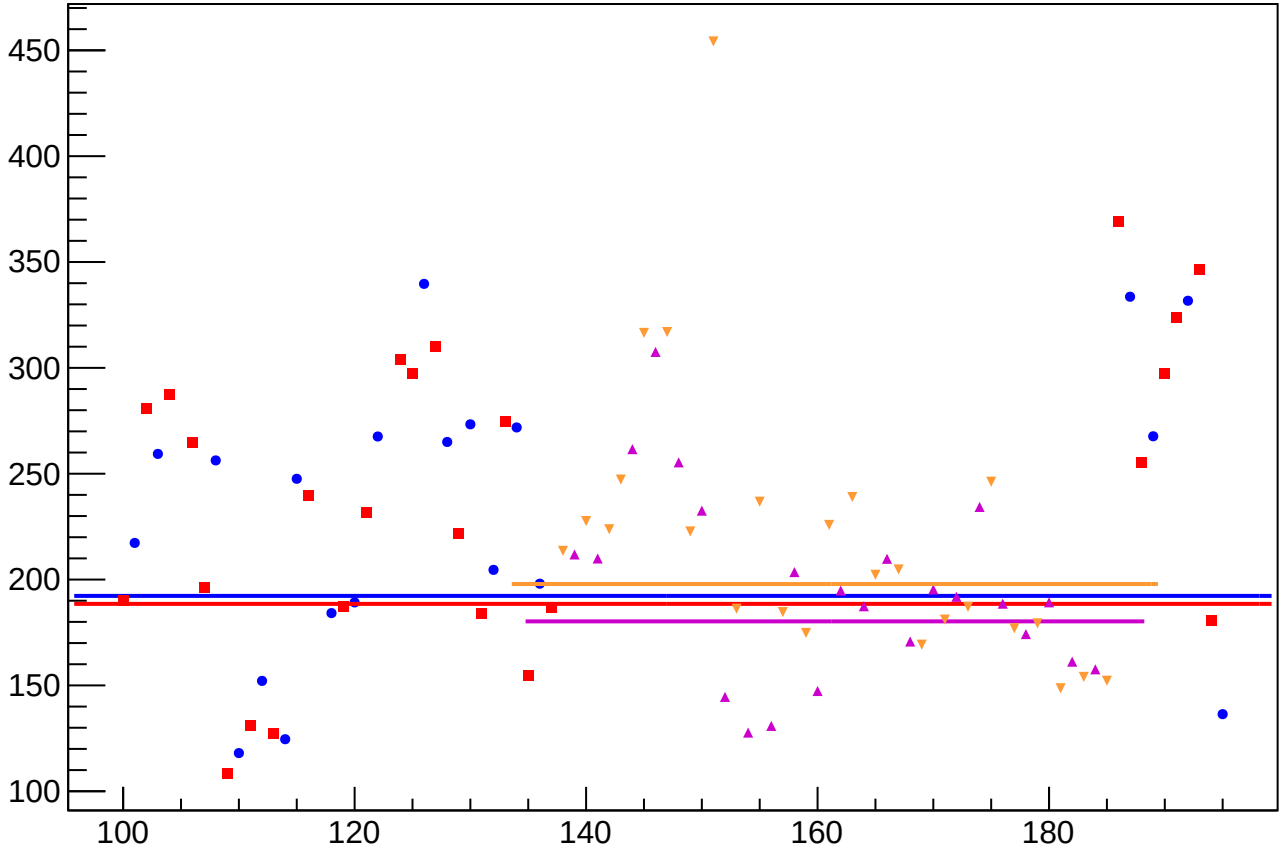
Right: -132.297+/-44.846 χ^2/NDF: 36.1/44

In: 51.898+/-36.502 χ^2/NDF:35.5/42

Out: 34.152+/-37.176 χ^2/NDF:42.2/49

All: 43.187+/-26.046 χ^2/NDF: 77.9/92

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.283+/-0.046 χ^2/NDF: 1801655.5/19

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 188.511+/-0.044 χ^2/NDF: 2513041.2/24

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

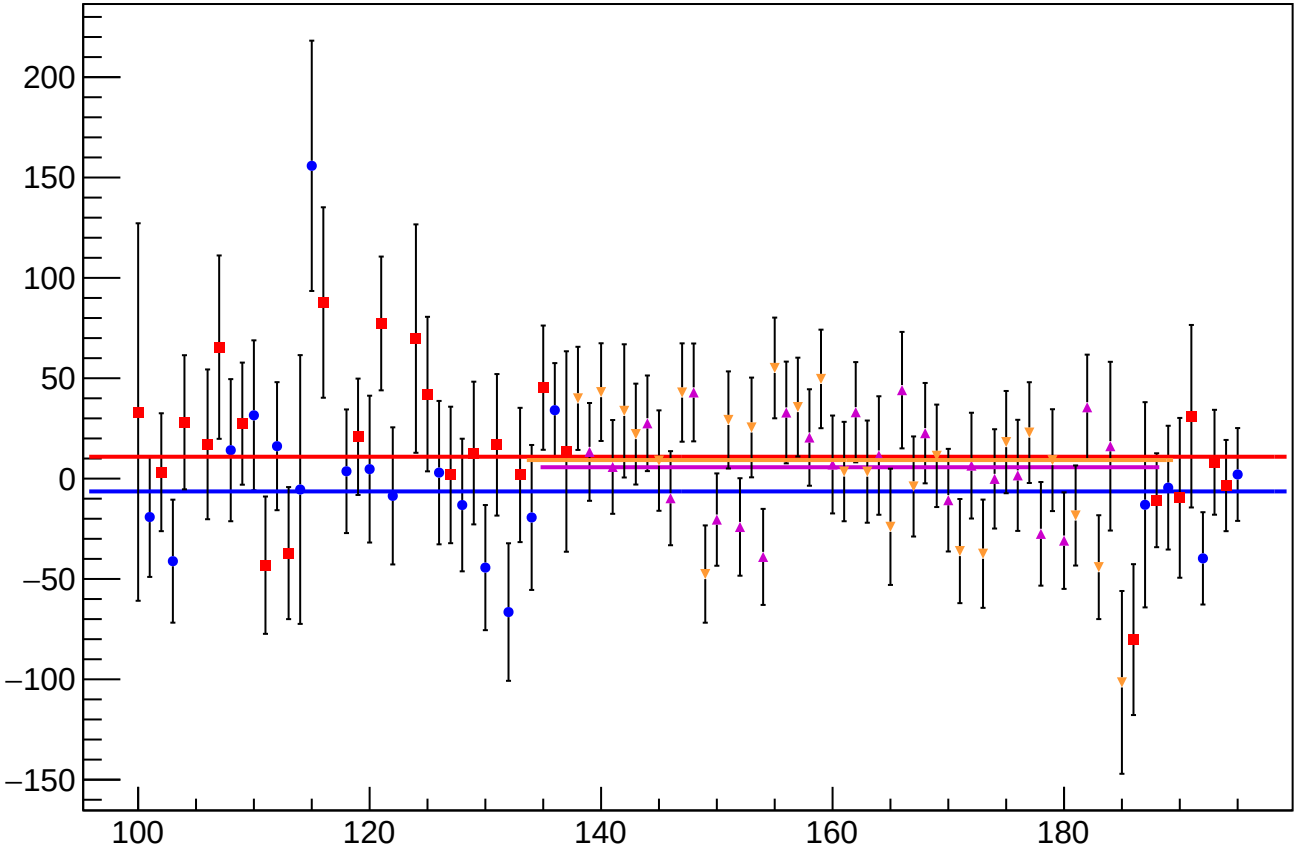
Right: 190.286+/-0.032 χ^2/NDF: 4318221.2/44

In: 183.998+/-0.026 χ^2/NDF:3476074.6/42

Out: 194.477+/-0.026 χ^2/NDF:4331357.5/49

All: 189.142+/-0.018 χ^2/NDF: 7888335.3/92

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.386+/-7.219 χ^2/NDF: 20.3/19

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.893+/-6.805 χ^2/NDF: 24.2/24

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

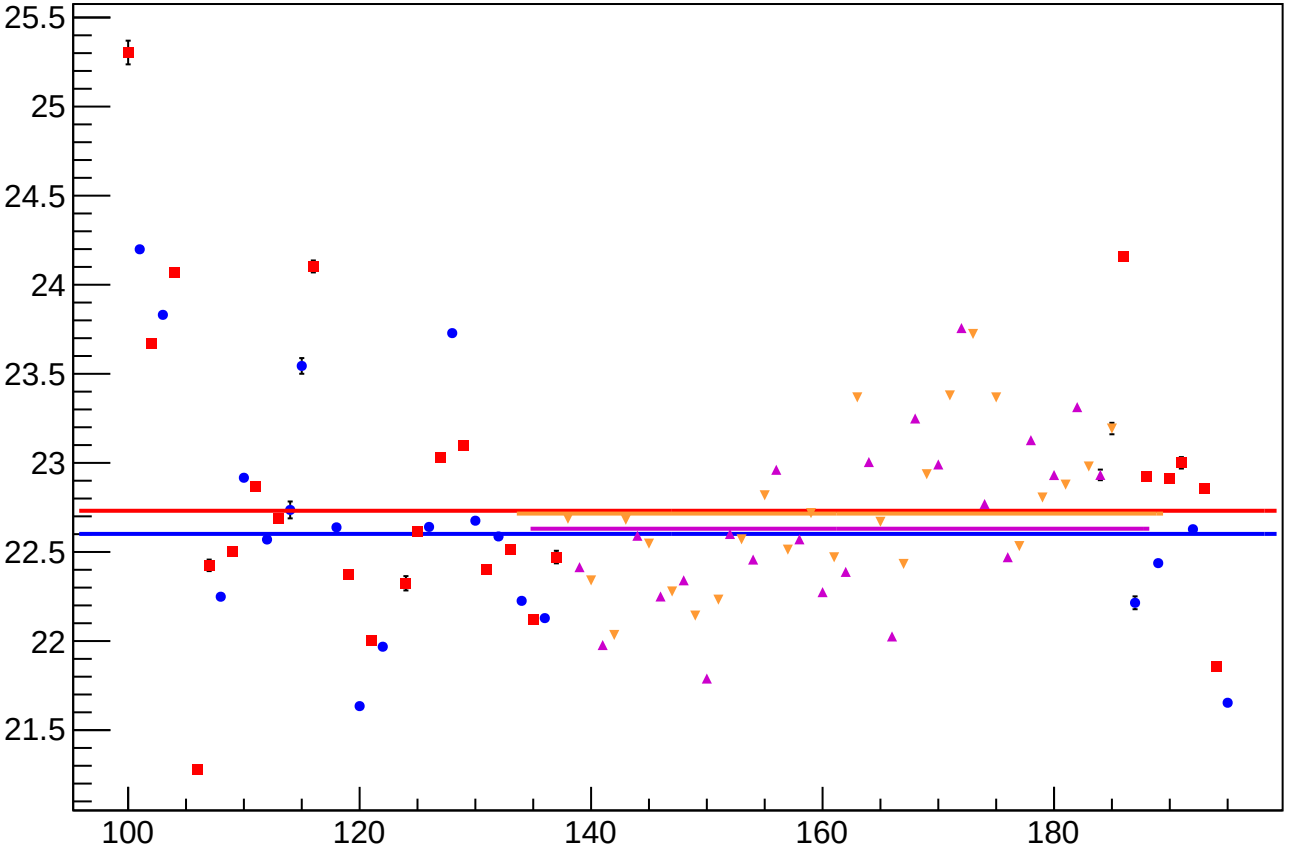
Right: 2.764+/-4.952 χ^2/NDF: 47.6/44

In: 1.460+/-4.265 χ^2/NDF:43.0/42

Out: 9.840+/-4.113 χ^2/NDF:63.7/49

All: 5.803+/-2.961 χ^2/NDF: 108.7/92

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.601+/-0.005 χ^2/NDF: 18753.0/19

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.731+/-0.005 χ^2/NDF: 20626.1/24

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

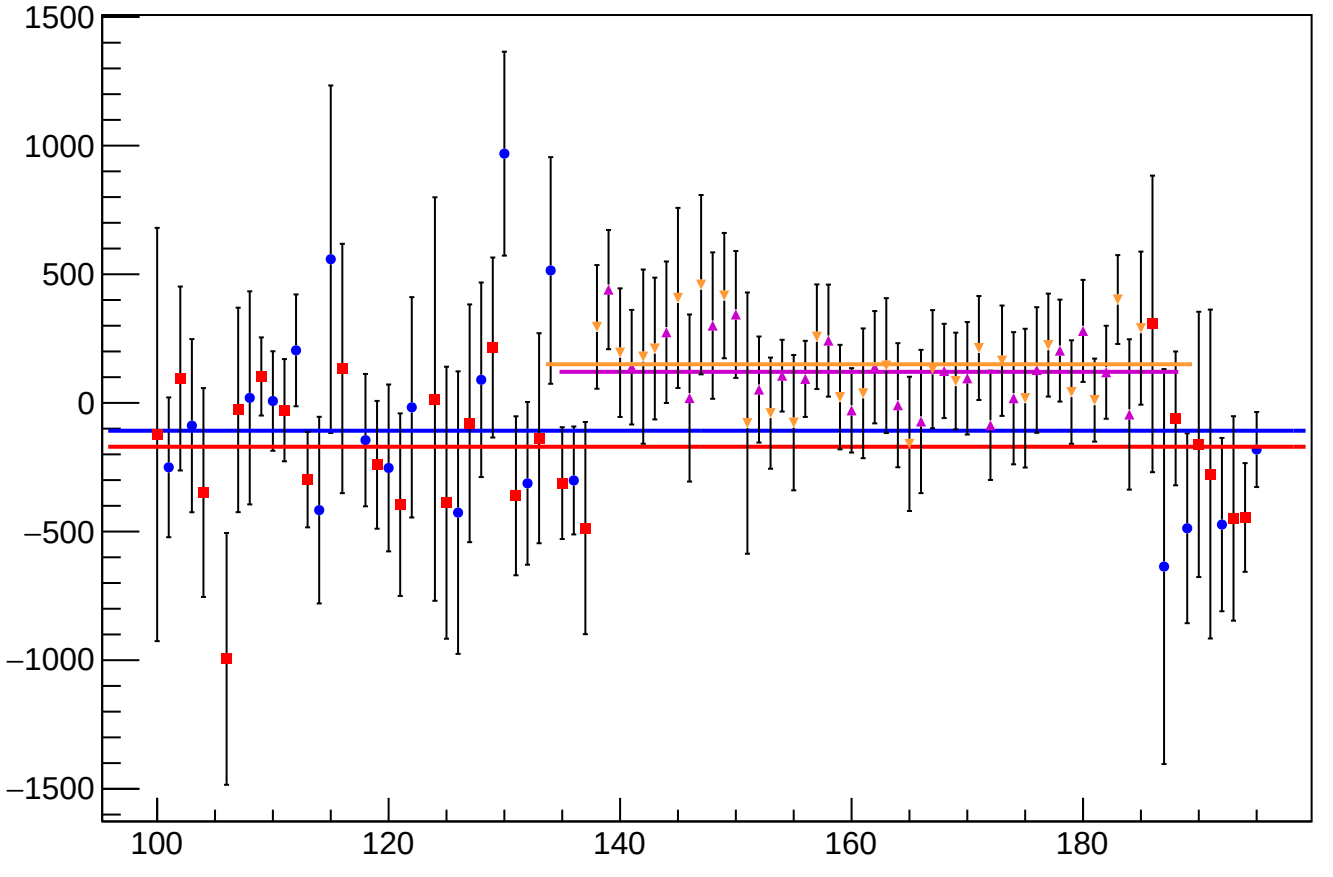
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.670+/-0.004 χ^2/NDF: 39721.7/44

In: 22.620+/-0.003 χ^2/NDF:34165.5/42

Out: 22.721+/-0.003 χ^2/NDF:32814.4/49

All: 22.673+/-0.002 χ^2/NDF: 67559.4/92



Right In: -108.098+/-65.172 χ^2/NDF: 19.0/19

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -170.358+/-61.257 χ^2/NDF: 14.8/24

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

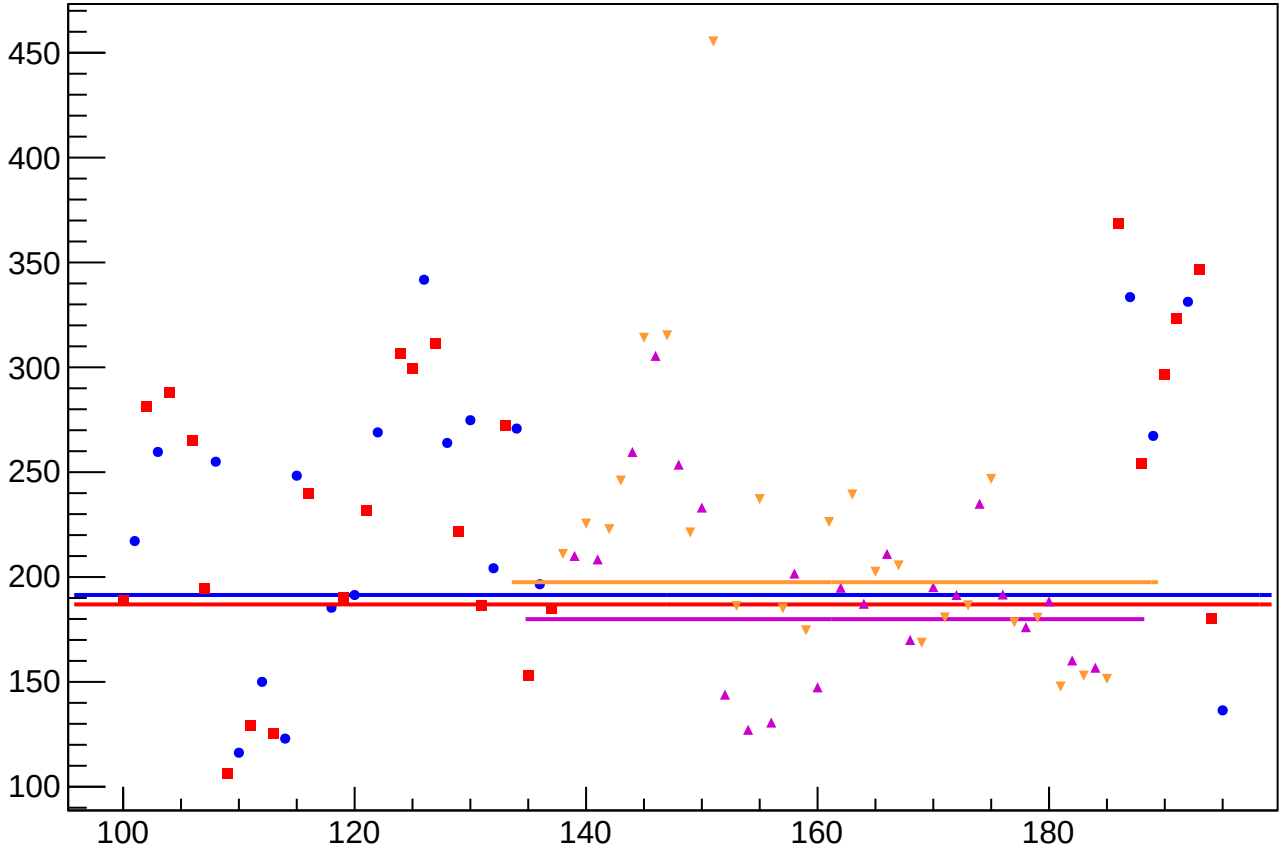
Right: -141.154+/-44.635 χ^2/NDF: 34.2/44

In: 49.284+/-36.421 χ^2/NDF:35.3/42

Out: 32.912+/-37.055 χ^2/NDF:43.1/49

All: 41.239+/-25.975 χ^2/NDF: 78.5/92

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.439+/-0.046 χ^2/NDF: 1837995.5/19

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 186.936+/-0.043 χ^2/NDF: 2602930.5/24

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

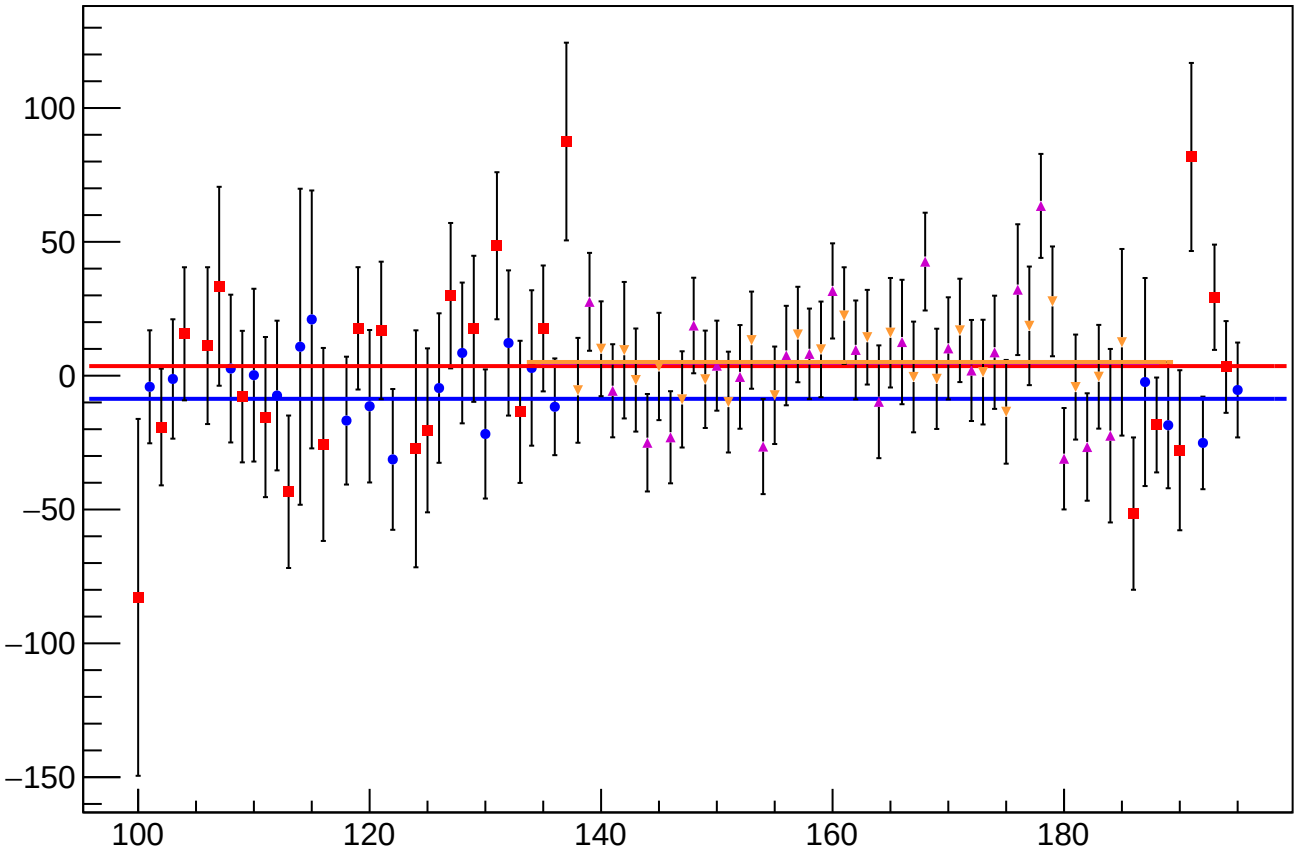
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 189.048+/-0.032 χ^2/NDF: 4445995.0/44

In: 183.520+/-0.026 χ^2/NDF:3505081.5/42

Out: 193.656+/-0.026 χ^2/NDF:4430778.9/49

All: 188.501+/-0.018 χ^2/NDF: 8011976.3/92



Right In: -8.648+/-5.590 χ^2/NDF: 4.4/19

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 3.581+/-5.275 χ^2/NDF: 32.3/24

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

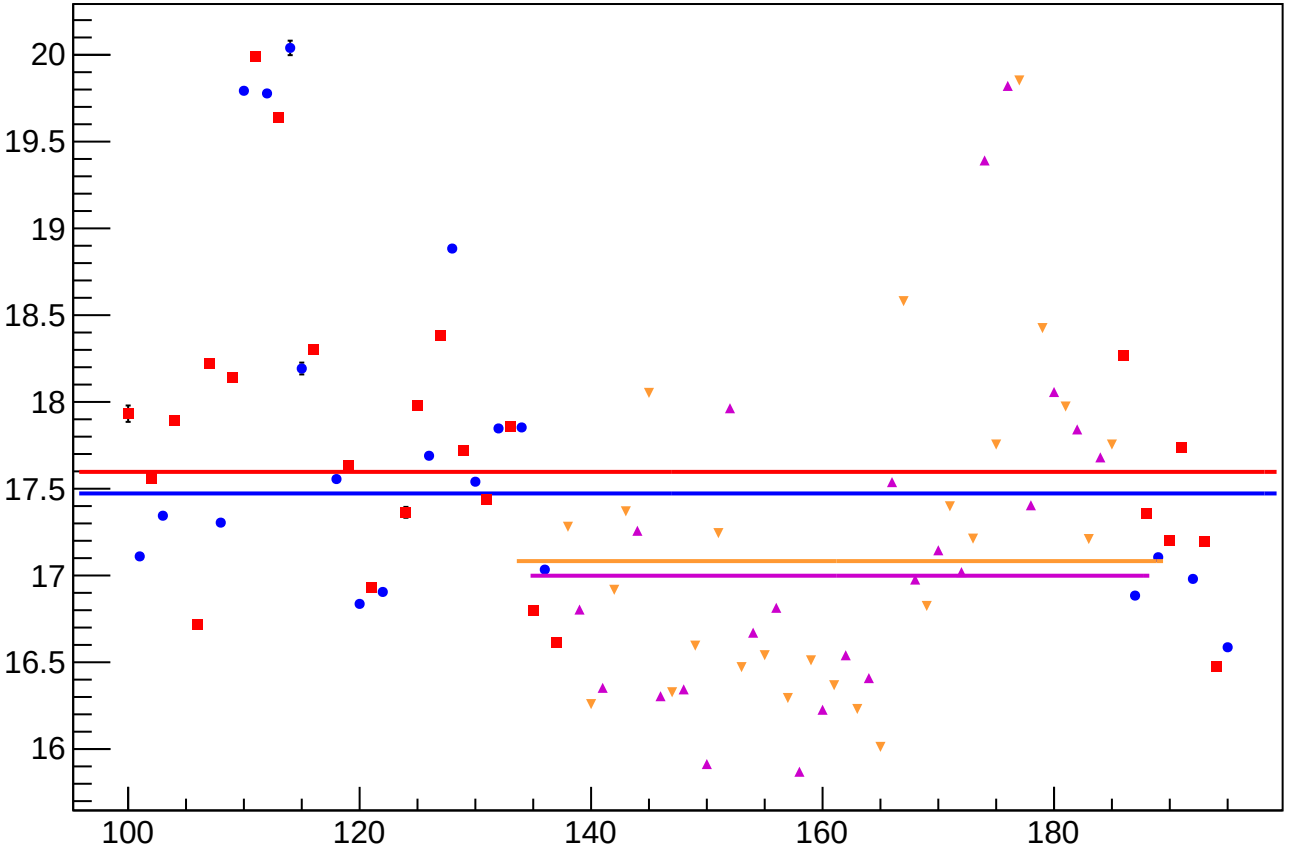
Right: -2.179+/-3.836 χ^2/NDF: 39.3/44

In: 0.314+/-3.242 χ^2/NDF:43.8/42

Out: 4.577+/-3.131 χ^2/NDF:40.3/49

All: 2.520+/-2.252 χ^2/NDF: 85.0/92

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.473+/-0.004 χ^2/NDF: 46202.4/19

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.597+/-0.004 χ^2/NDF: 46159.7/24

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

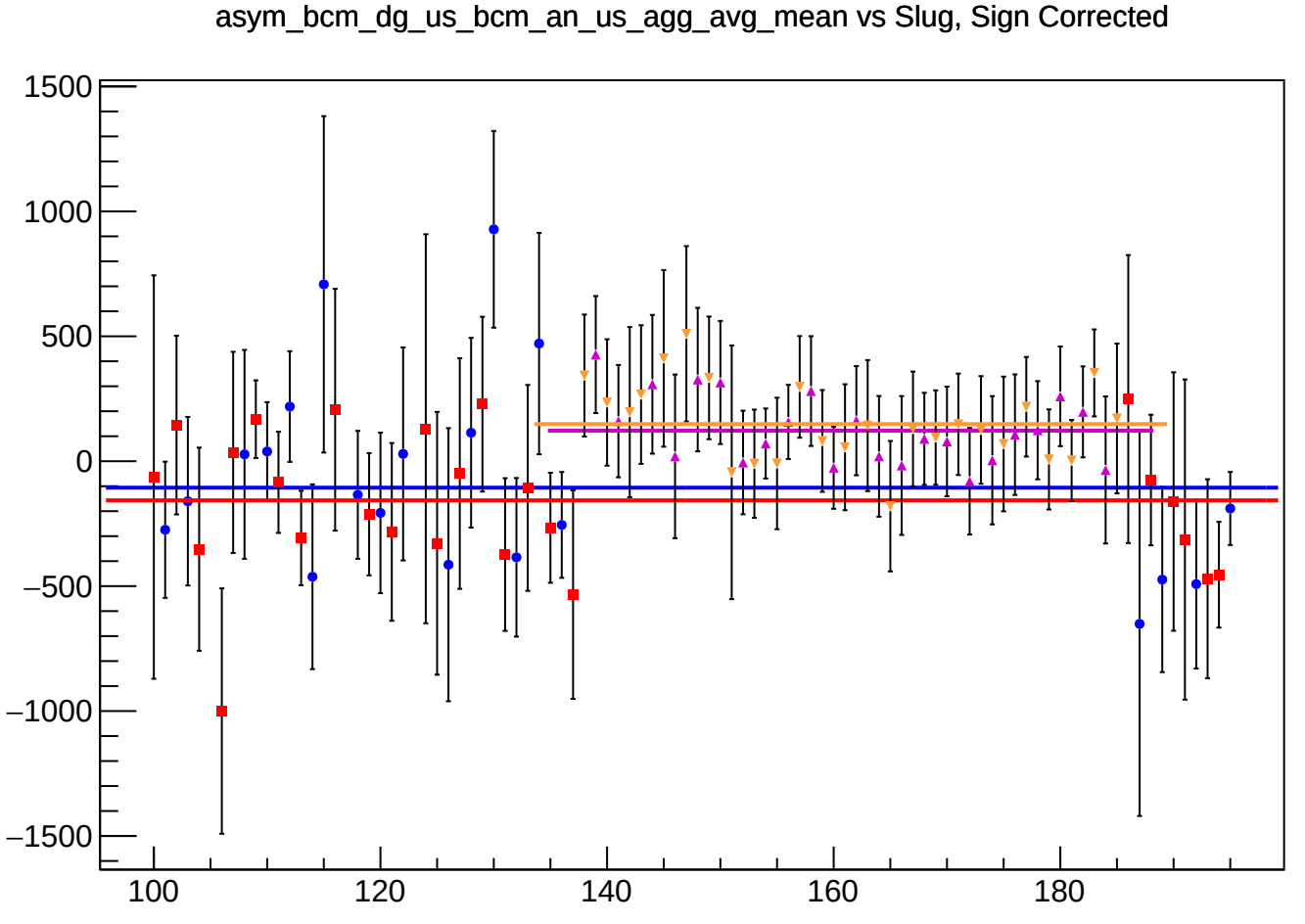
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 17.538+/-0.003 χ^2/NDF: 92885.1/44

In: 17.158+/-0.002 χ^2/NDF:159765.8/42

Out: 17.264+/-0.002 χ^2/NDF:155240.7/49

All: 17.213+/-0.002 χ^2/NDF: 316109.1/92



Right In: -105.890+/-65.568 χ^2/NDF: 19.4/19

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -156.483+/-61.798 χ^2/NDF: 16.3/24

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

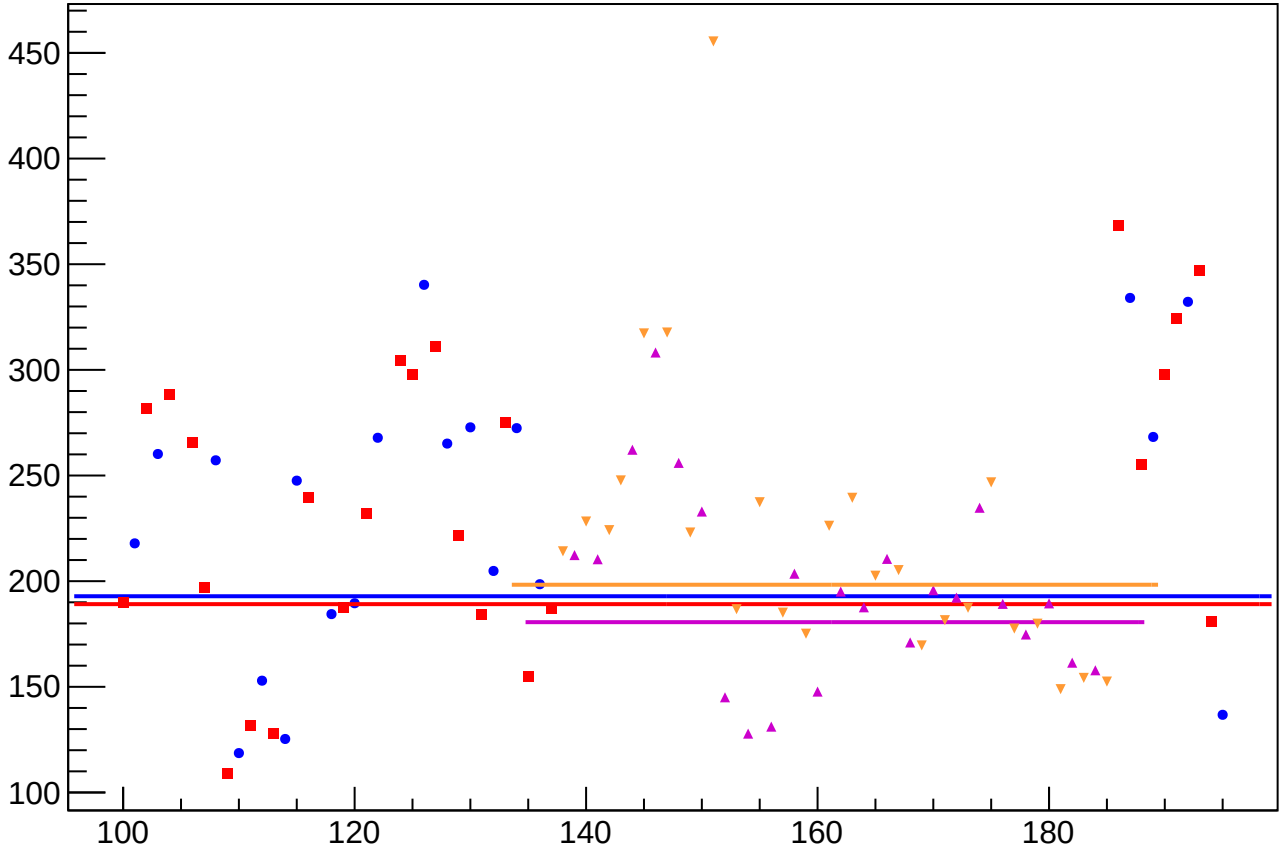
Right: -132.683+/-44.971 χ^2/NDF: 36.1/44

In: 51.319+/-36.582 χ^2/NDF:35.7/42

Out: 37.764+/-37.265 χ^2/NDF:41.4/49

All: 44.667+/-26.106 χ^2/NDF: 77.1/92

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.869+/-0.046 χ^2/NDF: 1790461.5/19

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 189.130+/-0.044 χ^2/NDF: 2495114.3/24

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

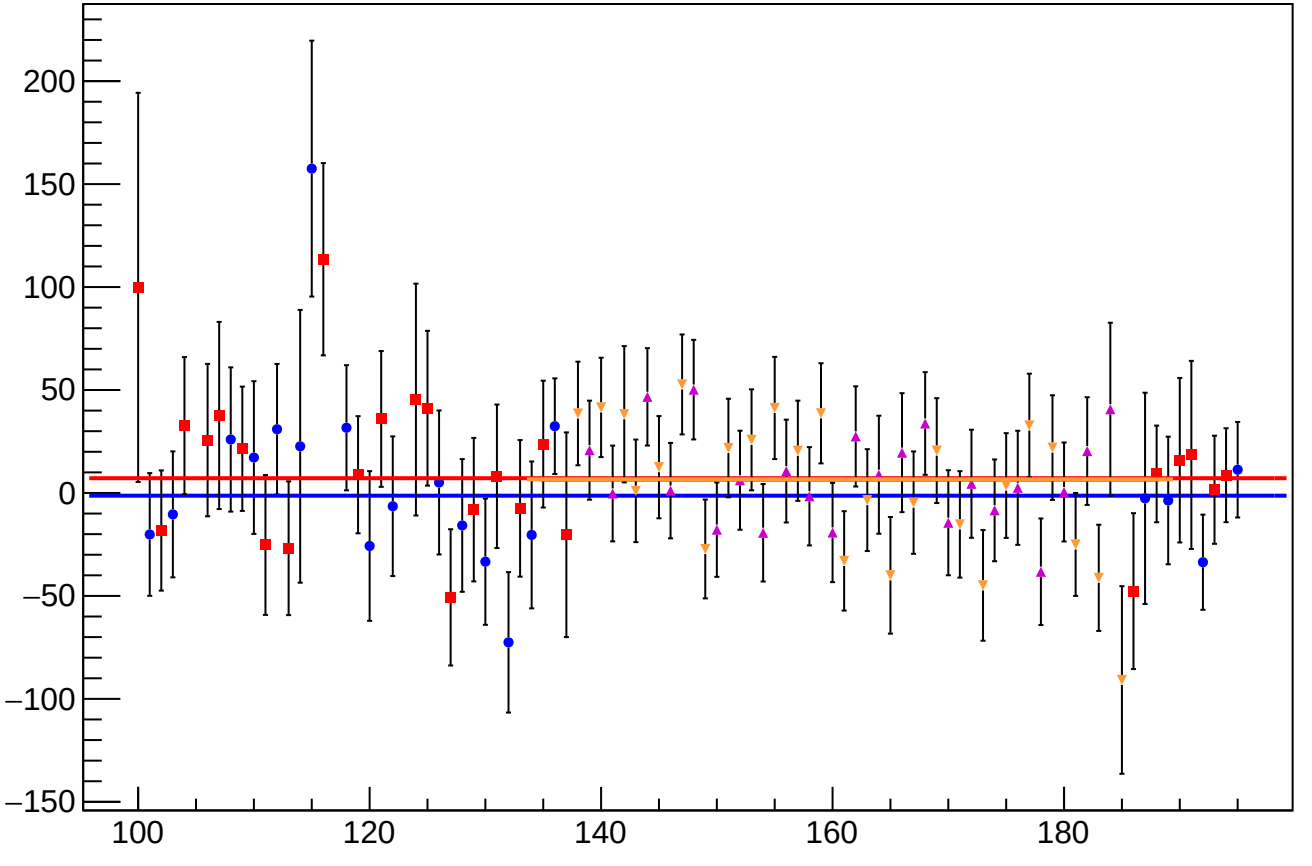
Right: 190.889+/-0.032 χ^2/NDF: 4289019.7/44

In: 184.420+/-0.026 χ^2/NDF:3466749.0/42

Out: 194.974+/-0.026 χ^2/NDF:4313499.9/49

All: 189.599+/-0.018 χ^2/NDF: 7861940.0/92

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.324+/-7.175 χ^2/NDF: 21.0/19

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 7.169+/-6.761 χ^2/NDF: 18.8/24

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

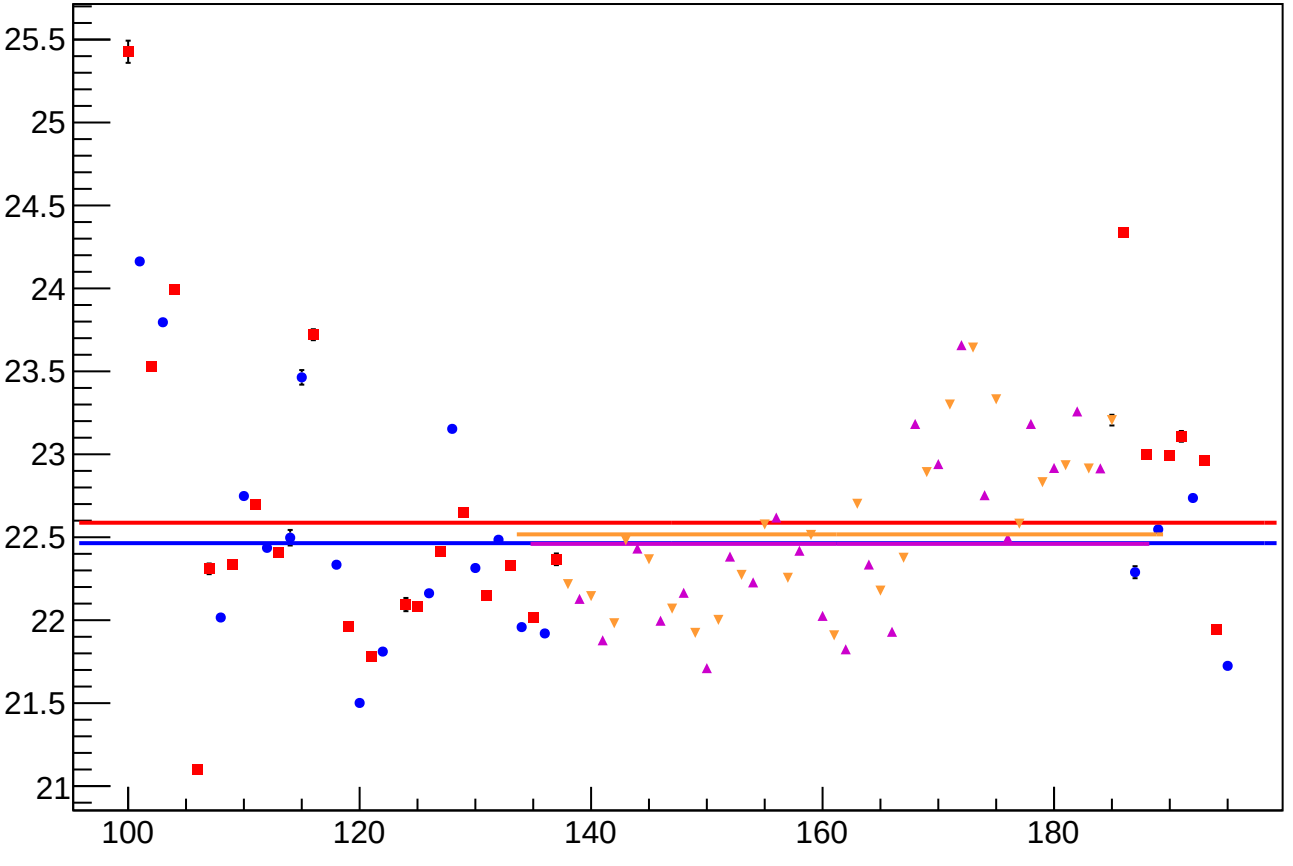
Right: 3.174+/-4.921 χ^2/NDF: 40.6/44

In: 3.762+/-4.235 χ^2/NDF:39.3/42

Out: 6.814+/-4.080 χ^2/NDF:55.7/49

All: 5.345+/-2.938 χ^2/NDF: 95.2/92

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.464+/-0.005 χ^2/NDF: 18396.0/19

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.588+/-0.005 χ^2/NDF: 23410.4/24

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

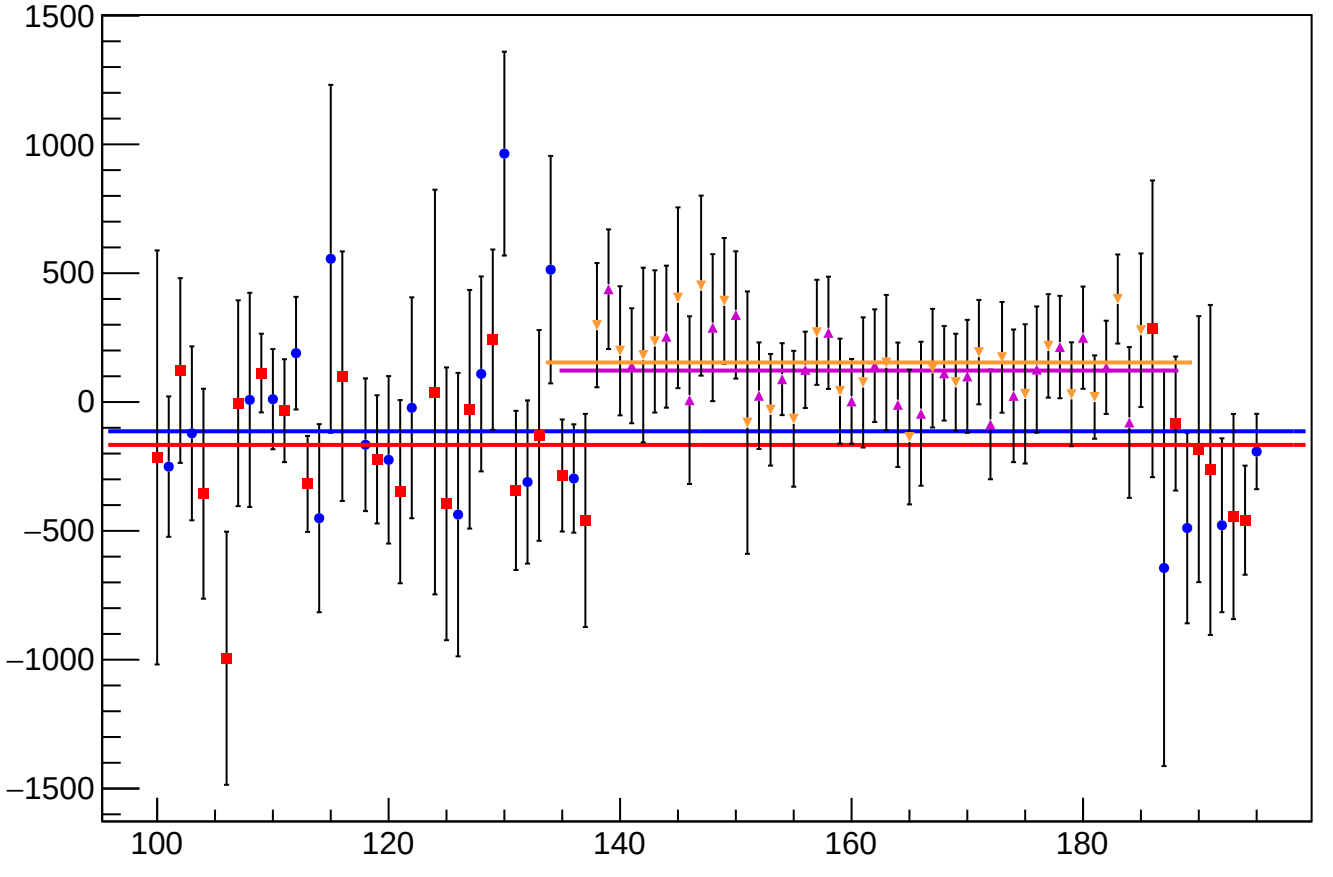
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.530+/-0.003 χ^2/NDF: 42118.5/44

In: 22.462+/-0.003 χ^2/NDF:37513.6/42

Out: 22.543+/-0.003 χ^2/NDF:39549.7/49

All: 22.504+/-0.002 χ^2/NDF: 77445.3/92



Right In: -113.537+/-65.353 χ^2/NDF: 19.0/19

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -166.371+/-61.435 χ^2/NDF: 14.9/24

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

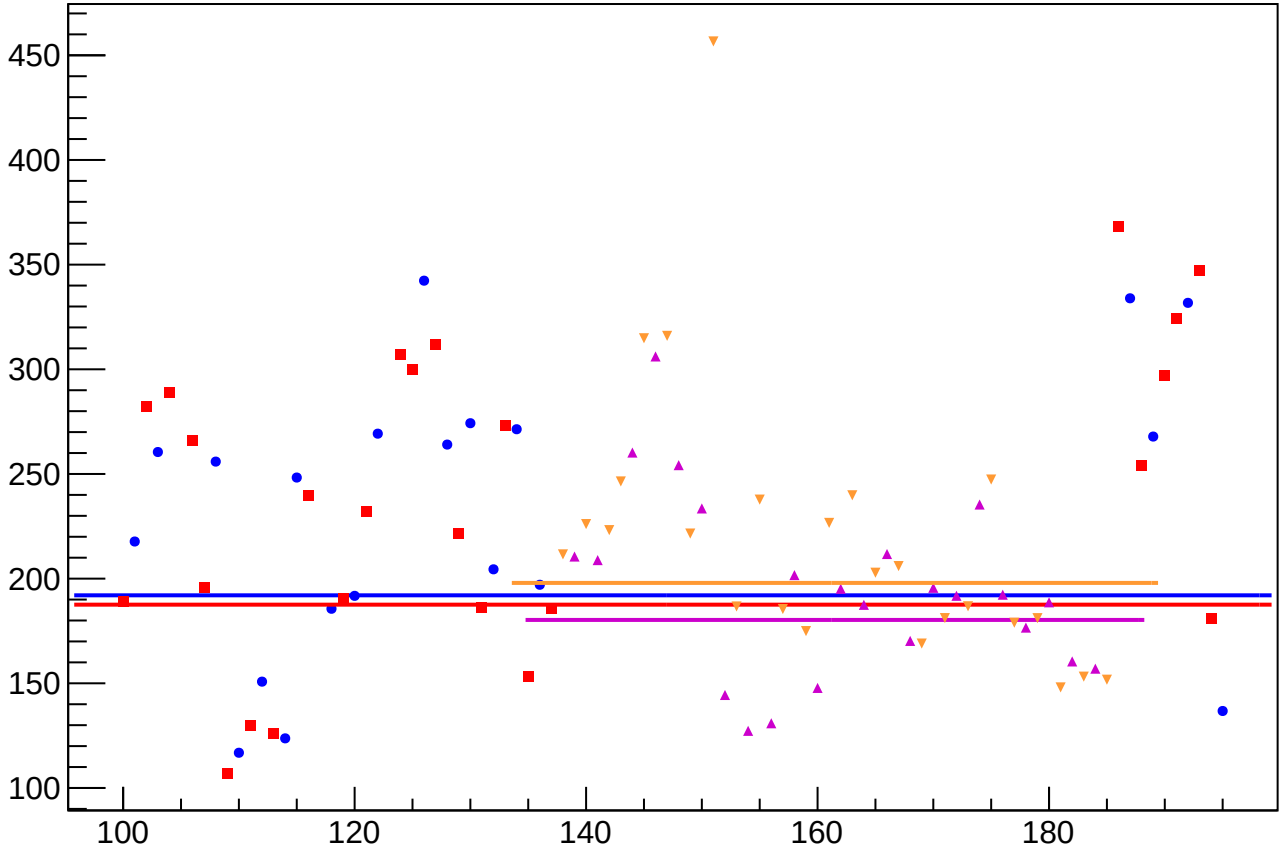
Right: -141.585+/-44.762 χ^2/NDF: 34.2/44

In: 48.634+/-36.502 χ^2/NDF:35.4/42

Out: 36.565+/-37.146 χ^2/NDF:42.2/49

All: 42.705+/-26.035 χ^2/NDF: 77.6/92

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.033+/-0.046 χ^2/NDF: 1826174.1/19

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 187.567+/-0.043 χ^2/NDF: 2583944.5/24

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

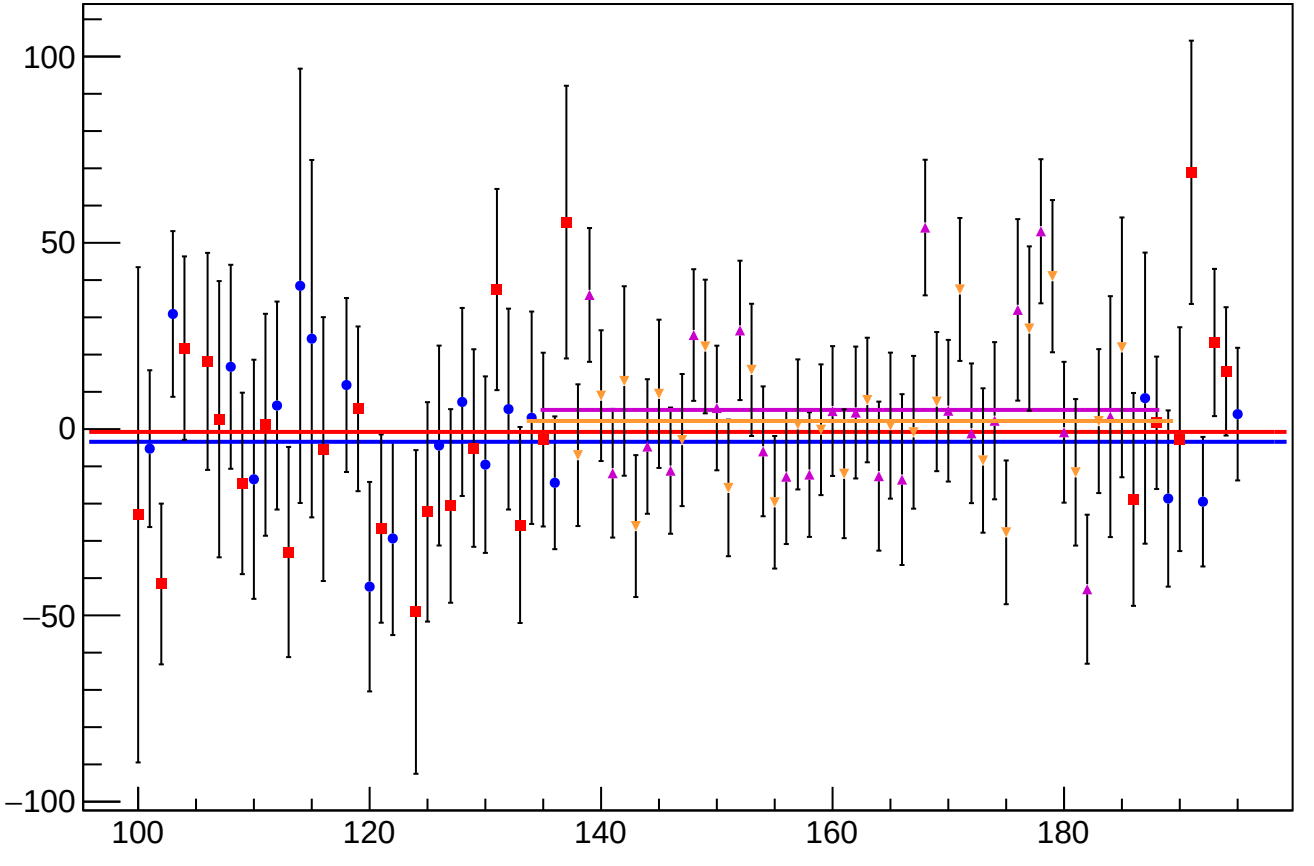
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 189.662+/-0.032 χ^2/NDF: 4415076.2/44

In: 183.943+/-0.026 χ^2/NDF:3495406.3/42

Out: 194.159+/-0.026 χ^2/NDF:4411588.9/49

All: 188.962+/-0.018 χ^2/NDF: 7983958.9/92



Right In: -3.410+/-5.540 χ^2/NDF: 9.7/19

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -0.755+/-5.225 χ^2/NDF: 22.1/24

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

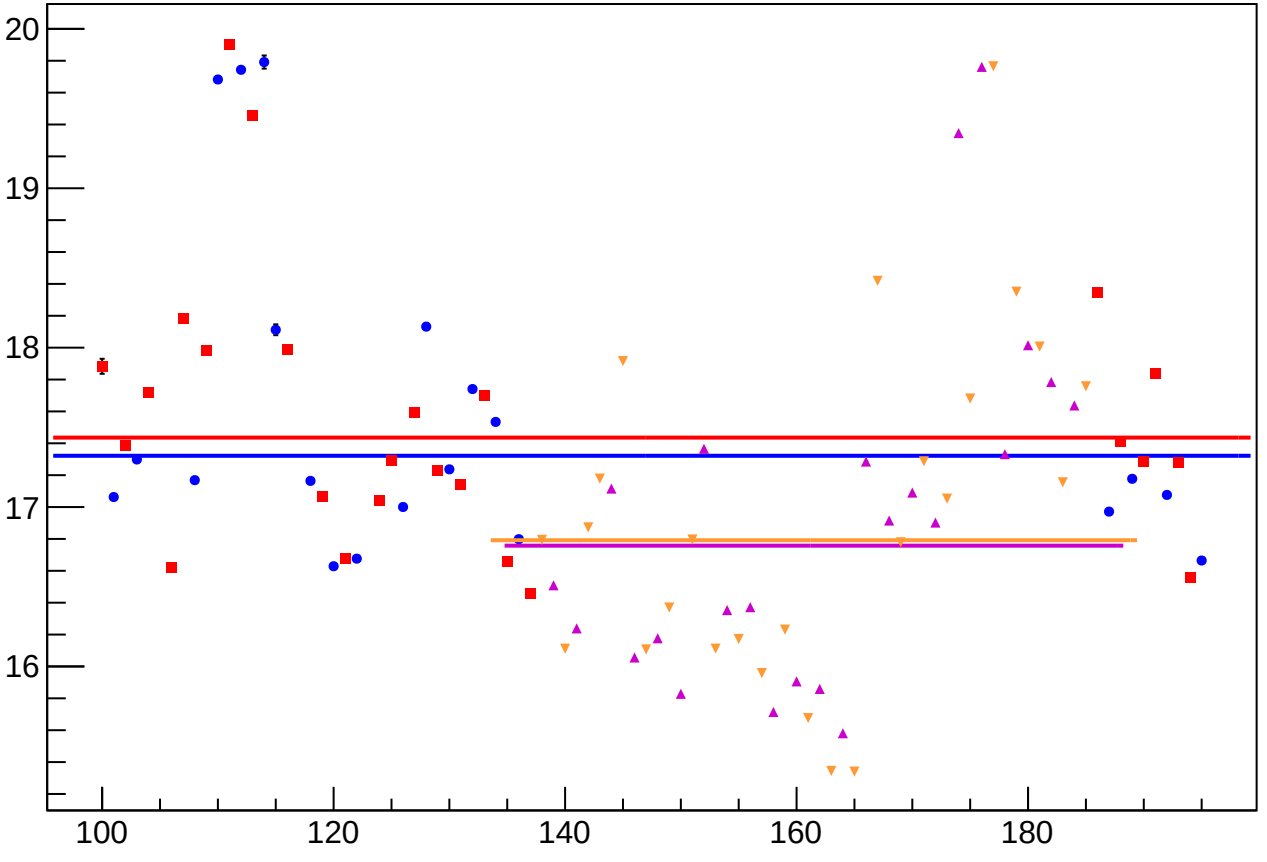
Right: -2.005+/-3.801 χ^2/NDF: 31.9/44

In: 2.290+/-3.202 χ^2/NDF:43.5/42

Out: 1.152+/-3.086 χ^2/NDF:42.3/49

All: 1.700+/-2.222 χ^2/NDF: 85.9/92

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.322+/-0.004 χ^2/NDF: 40971.3/19

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.436+/-0.004 χ^2/NDF: 42775.7/24

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

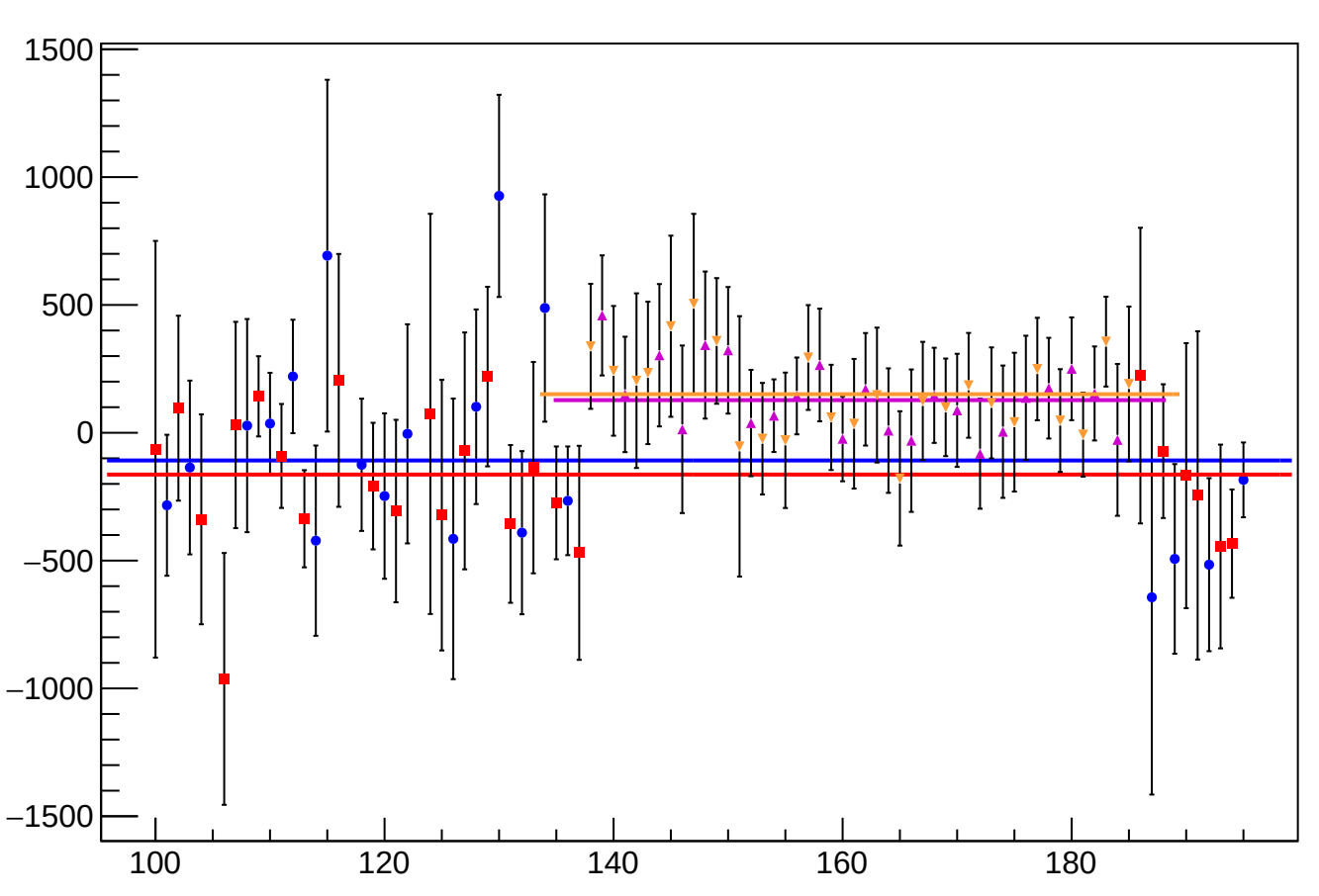
Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

Right: 17.382+/-0.003 χ^2/NDF: 84195.5/44

In: 16.946+/-0.002 χ^2/NDF:178077.3/42

Out: 17.017+/-0.002 χ^2/NDF:199543.6/49

All: 16.983+/-0.002 χ^2/NDF: 378122.1/92



Right In: -108.383+/-65.866 χ^2/NDF: 19.4/19

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -163.414+/-62.136 χ^2/NDF: 14.4/24

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

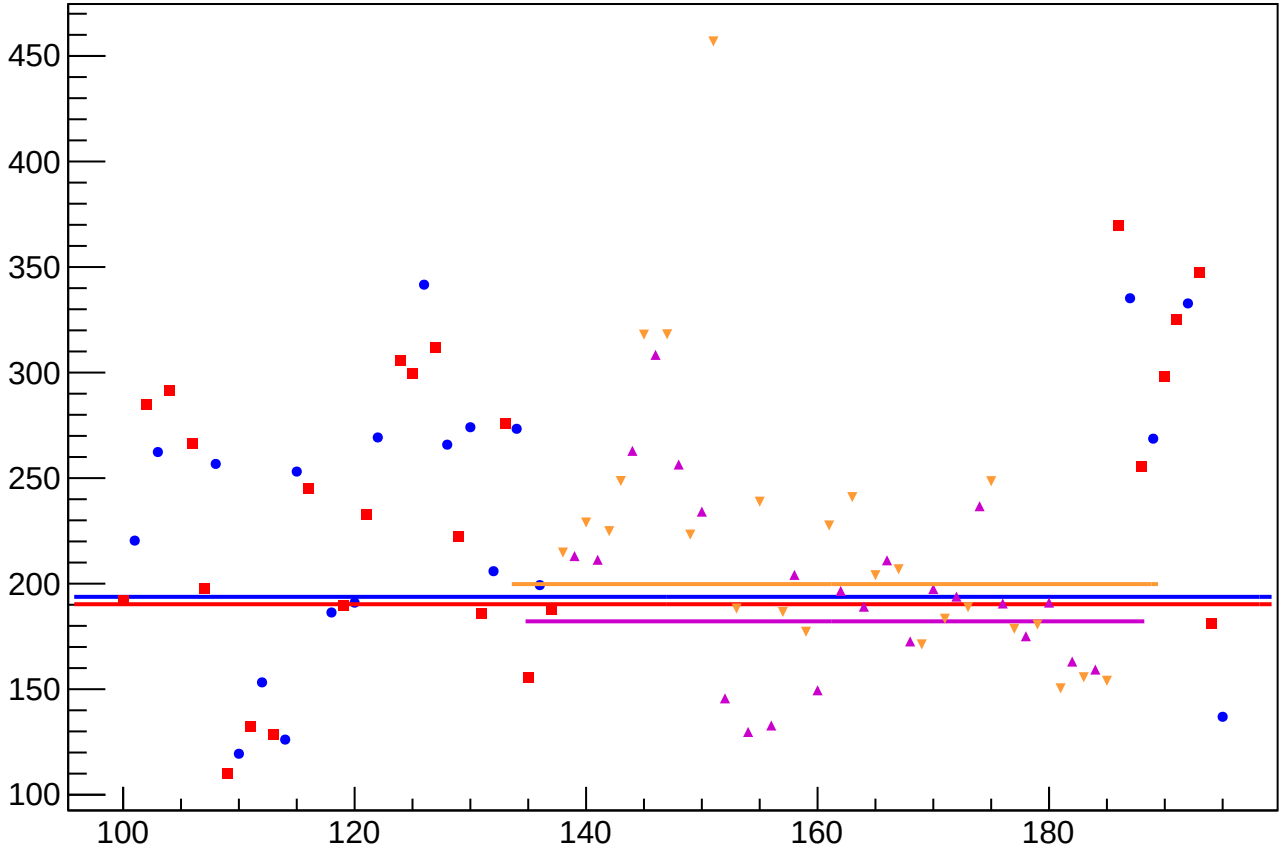
Right: -137.500+/-45.198 χ^2/NDF: 34.2/44

In: 53.886+/-36.831 χ^2/NDF:36.1/42

Out: 36.395+/-37.502 χ^2/NDF:40.6/49

All: 45.299+/-26.278 χ^2/NDF: 76.8/92

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.753+/-0.047 χ^2/NDF: 1793281.5/19

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 190.258+/-0.044 χ^2/NDF: 2486280.2/24

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

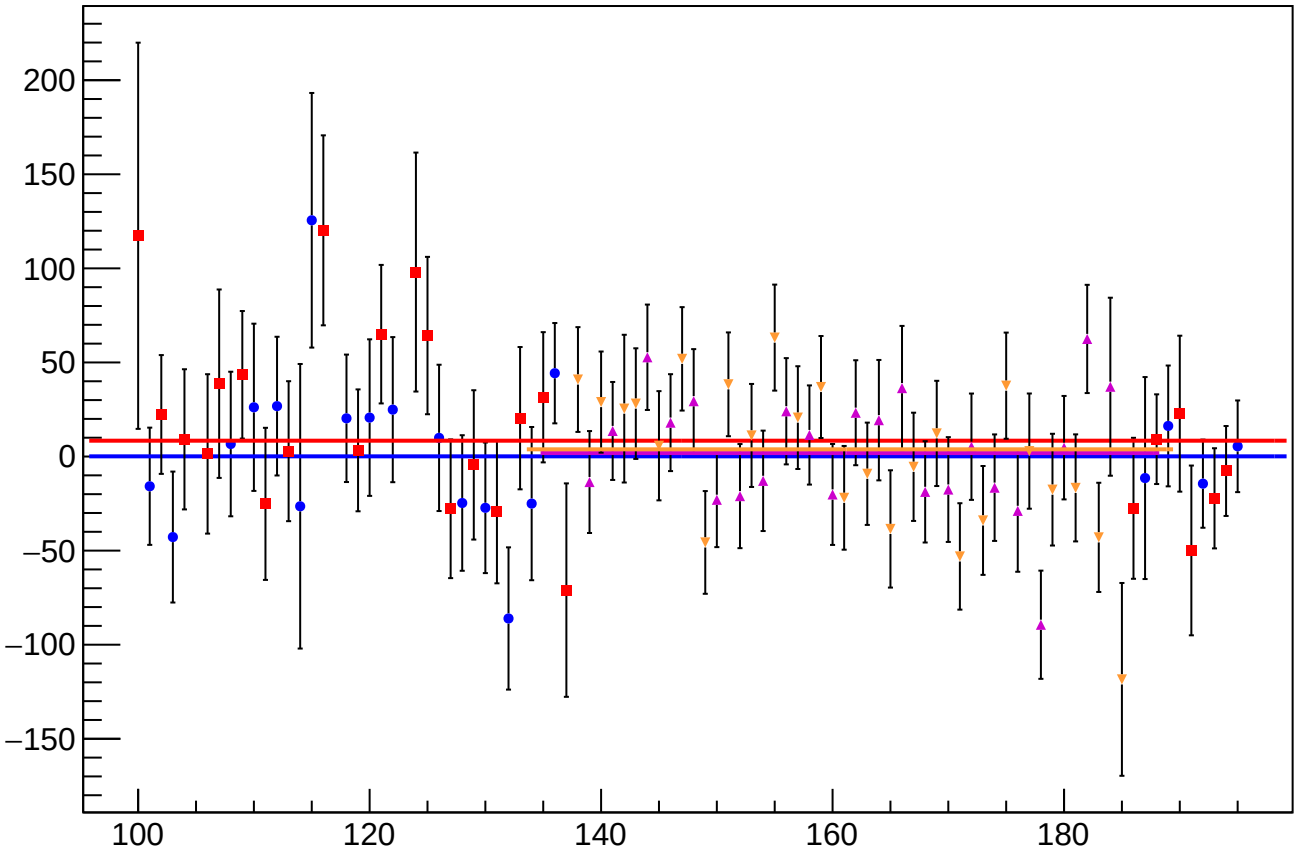
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 191.904+/-0.032 χ^2/NDF: 4282541.1/44

In: 185.778+/-0.026 χ^2/NDF:3420294.7/42

Out: 196.314+/-0.027 χ^2/NDF:4276496.0/49

All: 190.951+/-0.019 χ^2/NDF: 7777148.4/92



Right In: 0.103+/-7.883 χ^2/NDF: 17.5/19

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 8.419+/-7.352 χ^2/NDF: 23.6/24

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

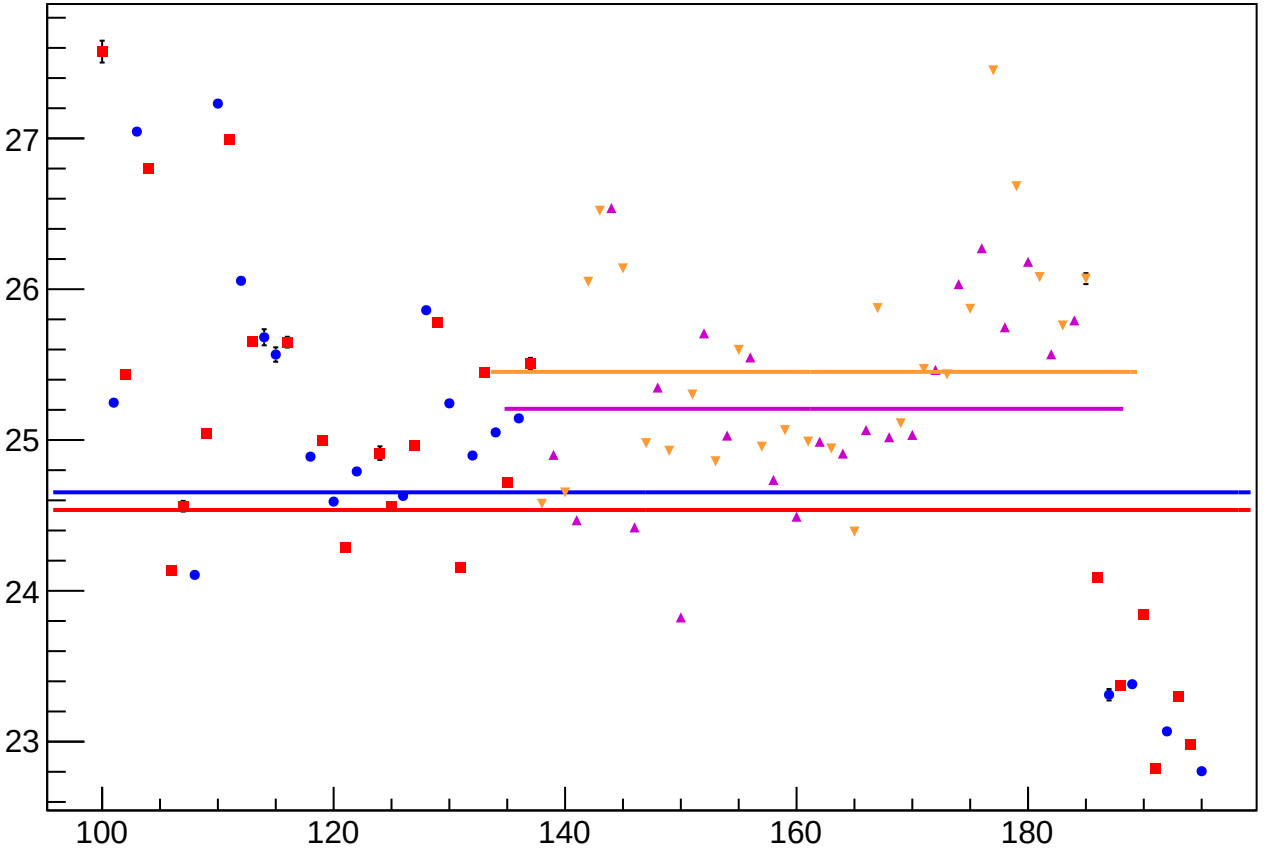
Right: 4.551+/-5.377 χ^2/NDF: 41.7/44

In: 1.223+/-4.720 χ^2/NDF:45.6/42

Out: 5.587+/-4.548 χ^2/NDF:61.5/49

All: 3.486+/-3.275 χ^2/NDF: 107.5/92

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.653+/-0.006 χ^2/NDF: 49927.3/19

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.536+/-0.005 χ^2/NDF: 47643.8/24

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

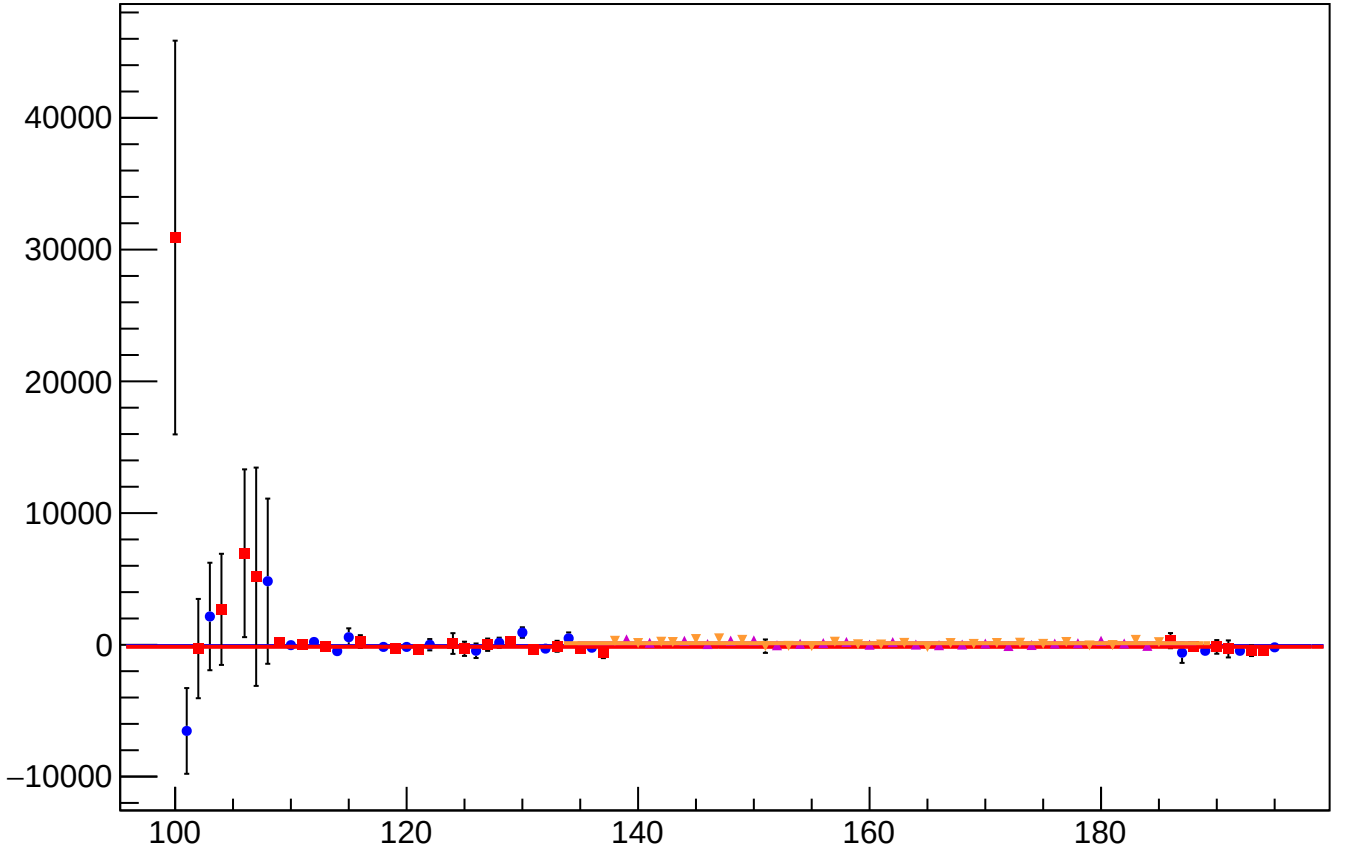
Right: 24.591+/-0.004 χ^2/NDF: 97806.5/44

In: 25.008+/-0.003 χ^2/NDF:82085.4/42

Out: 25.101+/-0.003 χ^2/NDF:96409.7/49

All: 25.057+/-0.002 χ^2/NDF: 178898.2/92

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -92.547+/-70.660 χ^2/NDF: 22.0/19

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -148.989+/-68.247 χ^2/NDF: 17.6/24

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

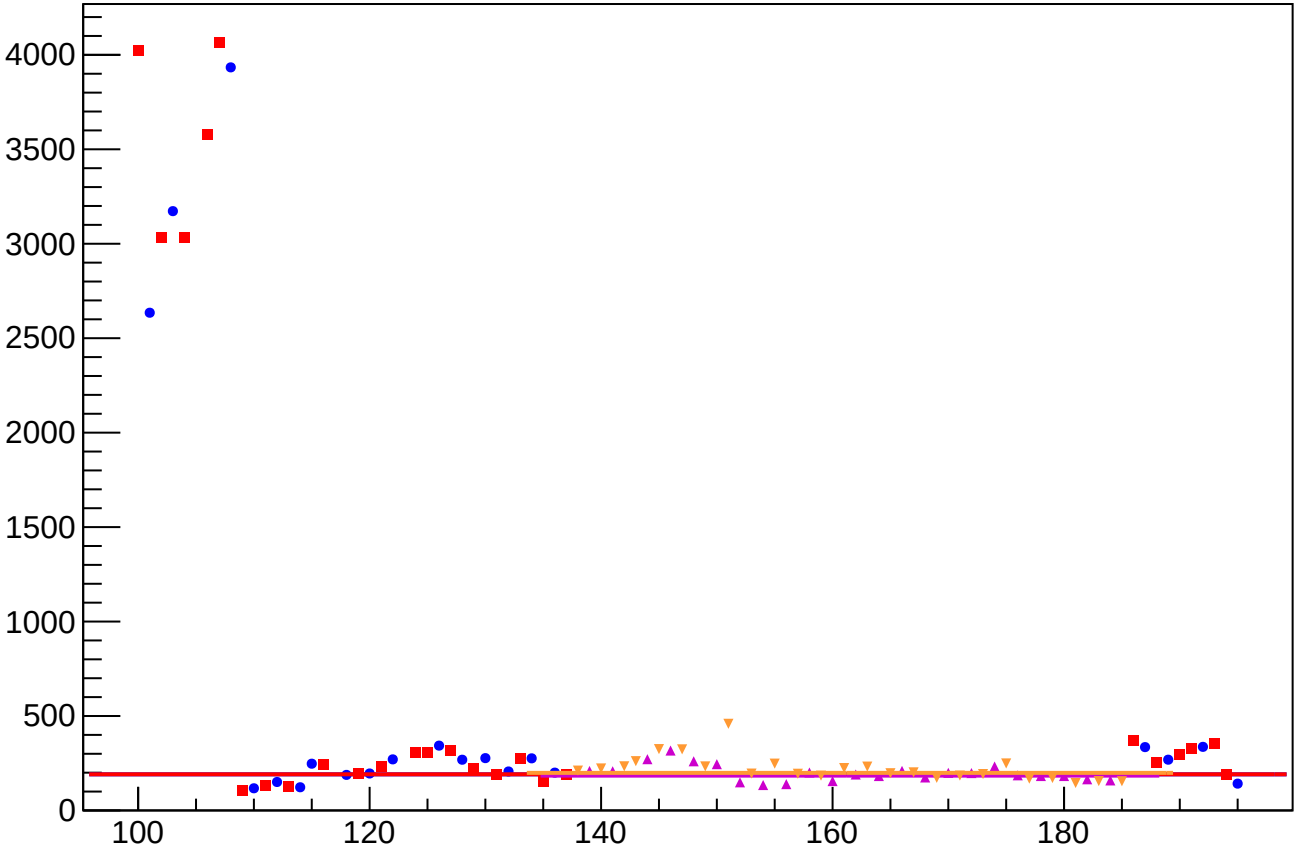
Right: -121.748+/-49.089 χ^2/NDF: 39.9/44

In: 56.989+/-37.879 χ^2/NDF:36.3/42

Out: 37.156+/-38.667 χ^2/NDF:39.6/49

All: 47.277+/-27.059 χ^2/NDF: 76.1/92

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.120+/-0.050 χ^2/NDF: 4550446.3/19

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 191.400+/-0.048 χ^2/NDF: 5221937.2/24

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

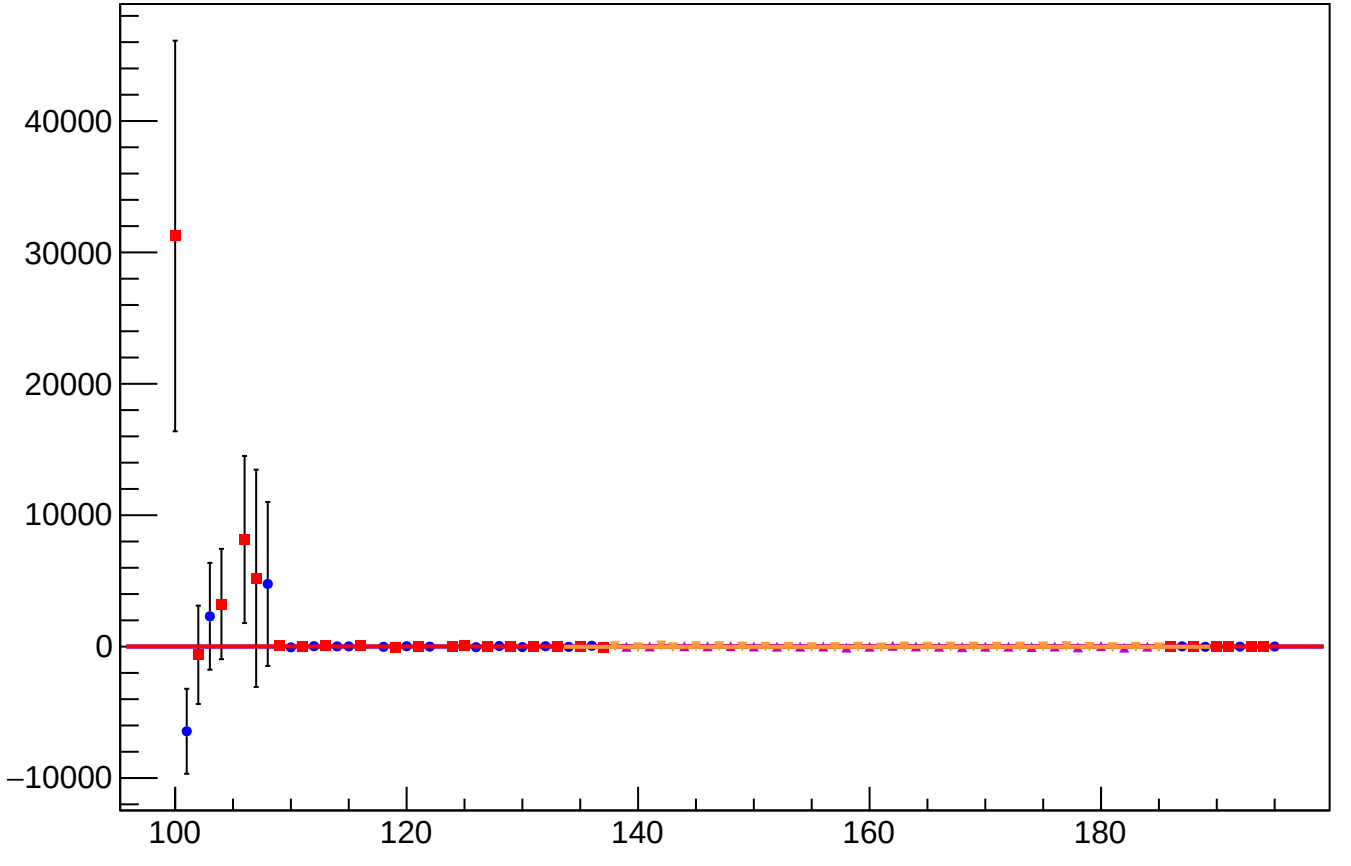
Right: 191.265+/-0.035 χ^2/NDF: 9772399.7/44

In: 186.330+/-0.027 χ^2/NDF:6009647.5/42

Out: 196.556+/-0.027 χ^2/NDF:7140906.0/49

All: 191.338+/-0.019 χ^2/NDF: 13221932.5/92

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.960+/-9.611 χ^2/NDF: 16.5/19

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 13.719+/-9.149 χ^2/NDF: 26.8/24

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

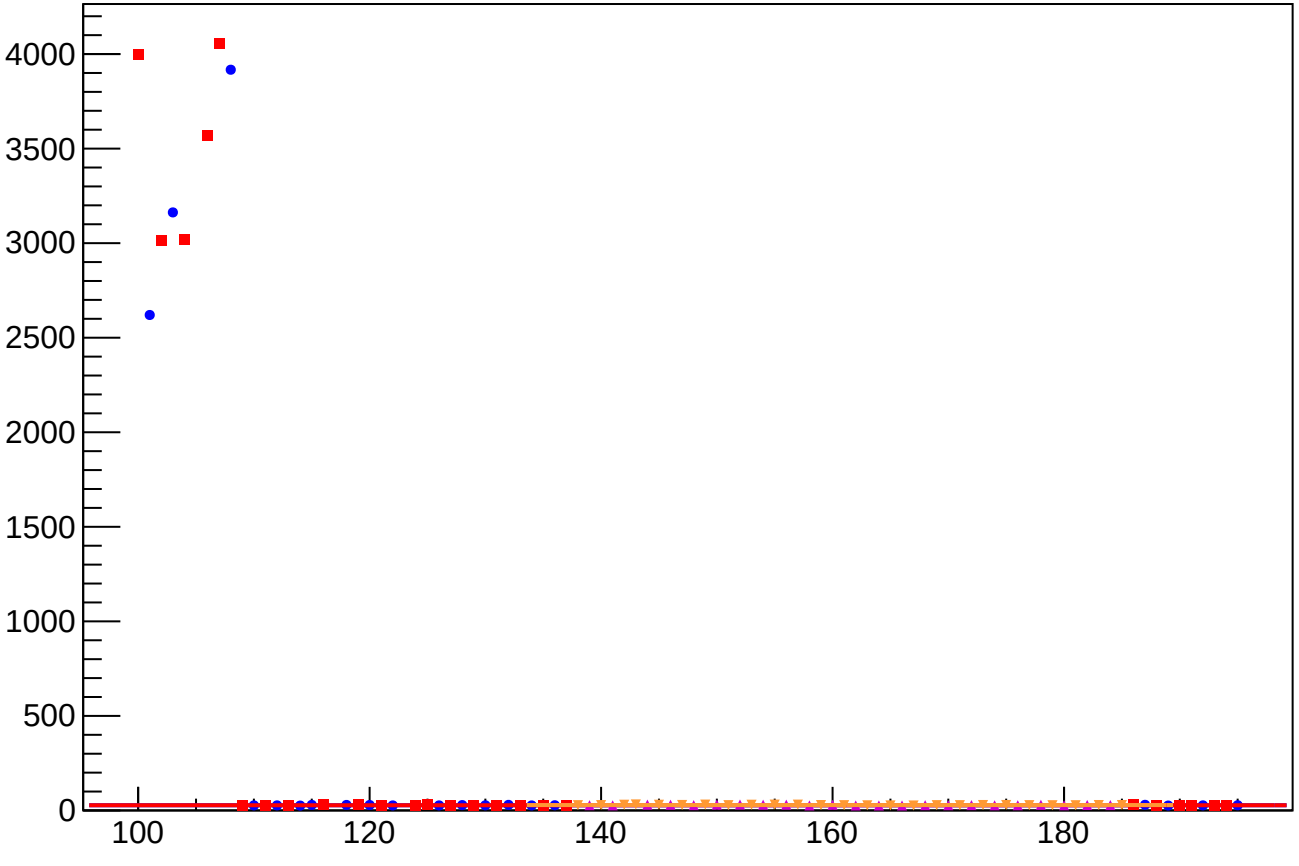
Right: 10.506+/-6.626 χ^2/NDF: 43.5/44

In: 3.739+/-5.498 χ^2/NDF:44.9/42

Out: -5.228+/-5.305 χ^2/NDF:55.5/49

All: -0.905+/-3.818 χ^2/NDF: 101.8/92

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.444+/-0.007 χ^2/NDF: 3272800.4/19

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.523+/-0.006 χ^2/NDF: 3579474.9/24

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

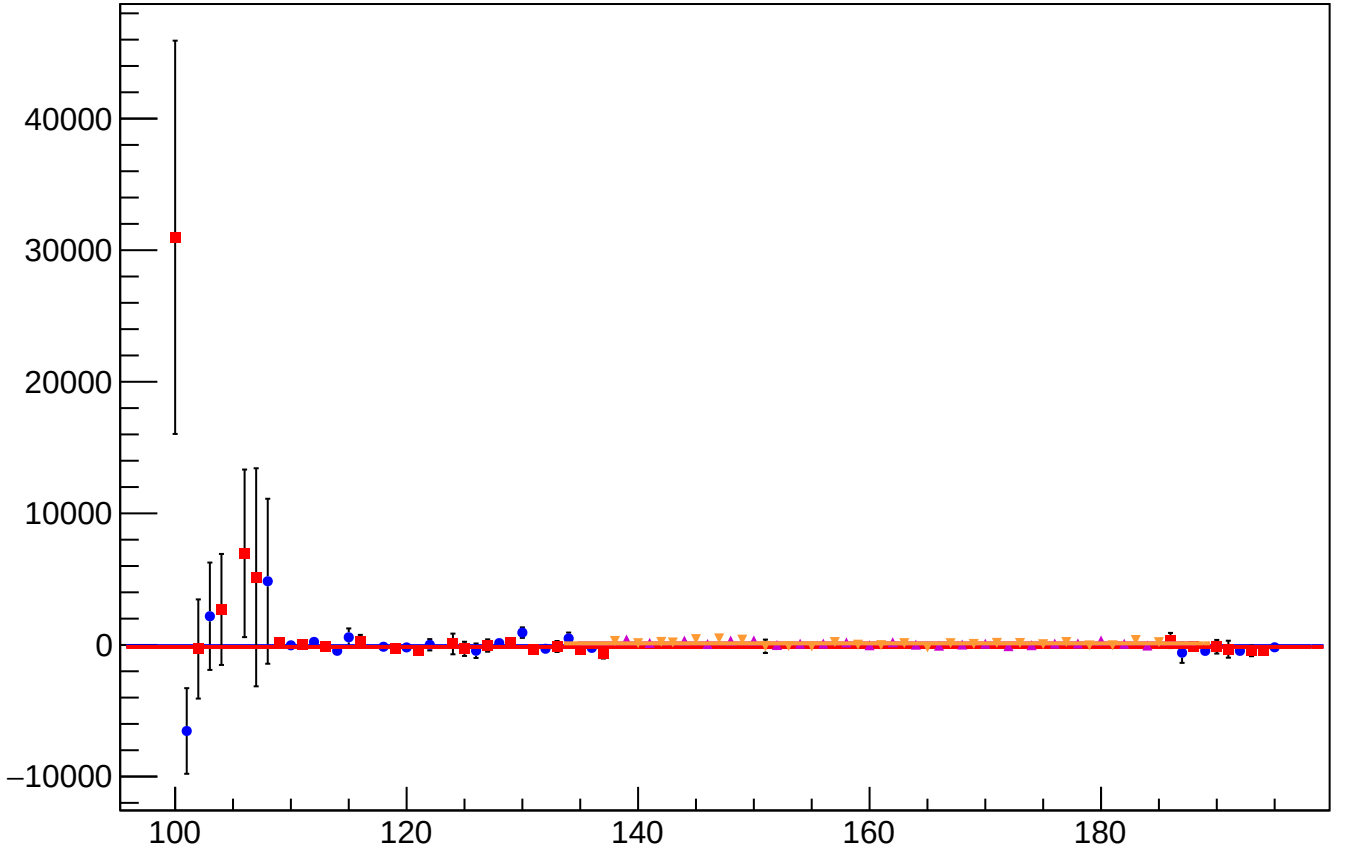
Right: 27.485+/-0.005 χ^2/NDF: 6852344.9/44

In: 28.226+/-0.004 χ^2/NDF:3415378.2/42

Out: 28.228+/-0.004 χ^2/NDF:3685529.6/49

All: 28.227+/-0.003 χ^2/NDF: 7100908.0/92

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -88.106+/-70.470 χ^2/NDF: 22.0/19

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -152.796+/-68.071 χ^2/NDF: 17.9/24

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

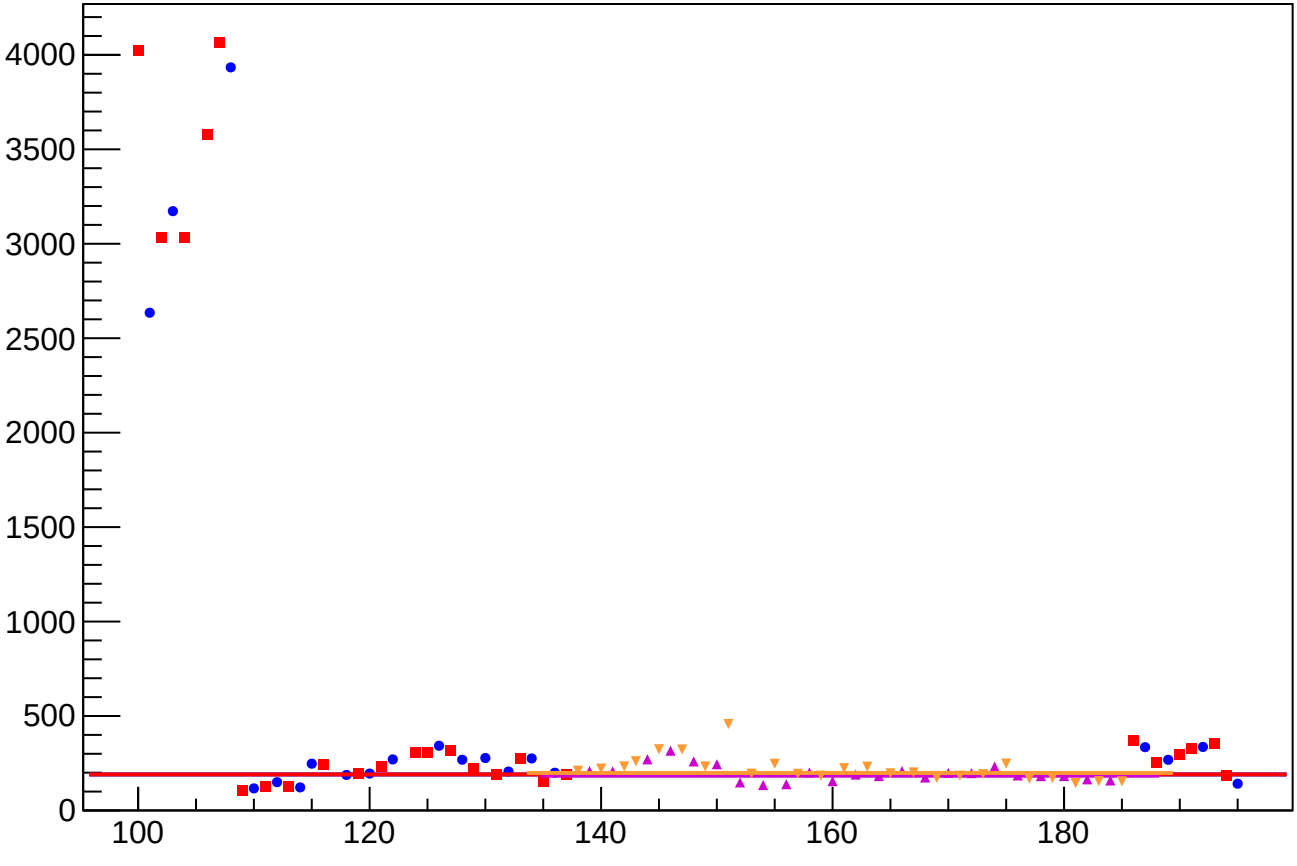
Right: -121.571+/-48.960 χ^2/NDF: 40.2/44

In: 57.452+/-37.798 χ^2/NDF:36.4/42

Out: 33.679+/-38.579 χ^2/NDF:40.9/49

All: 45.808+/-26.999 χ^2/NDF: 77.5/92

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.524+/-0.050 χ^2/NDF: 4563676.2/19

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 190.798+/-0.048 χ^2/NDF: 5240664.8/24

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

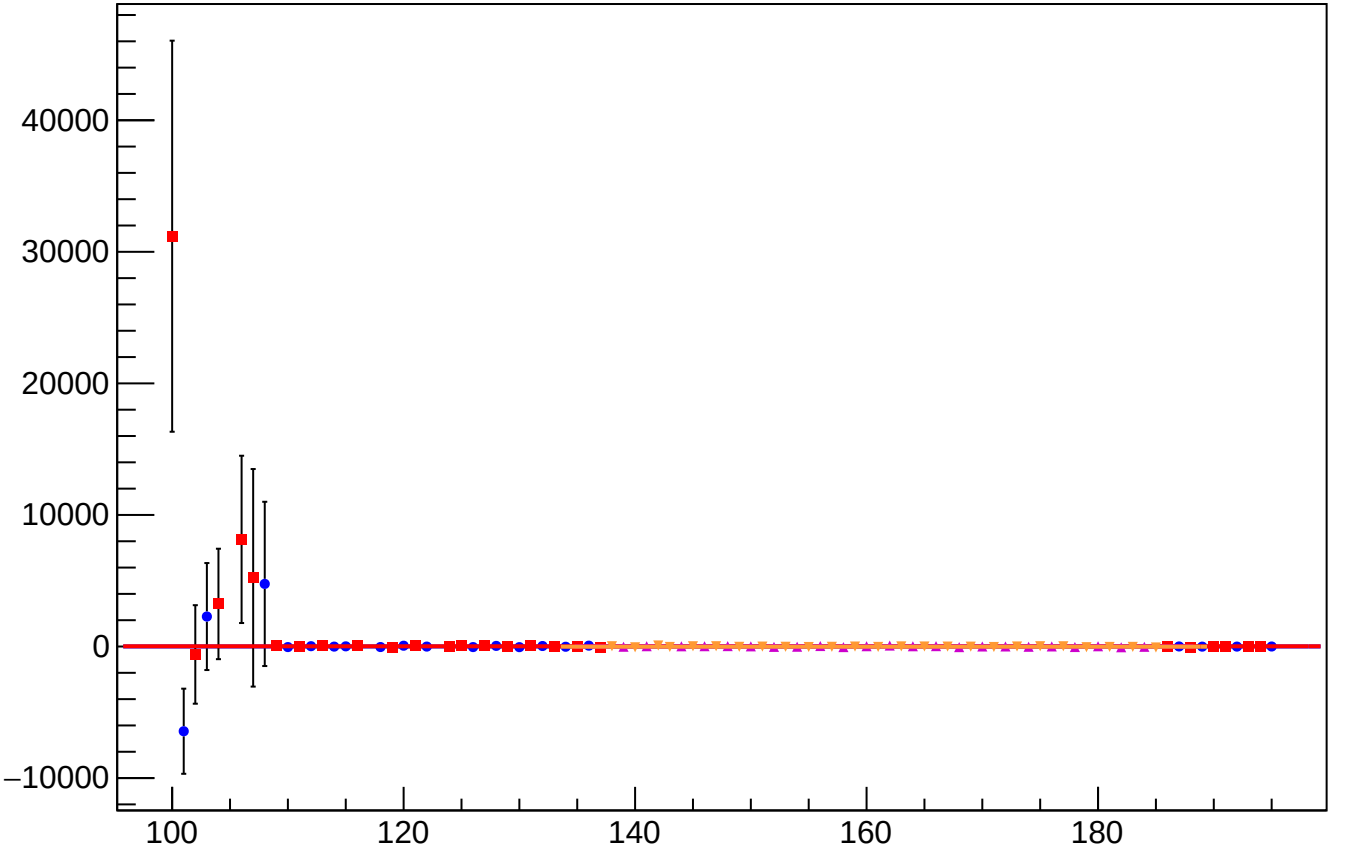
Right: 190.666+/-0.035 χ^2/NDF: 9804356.7/44

In: 185.913+/-0.027 χ^2/NDF:6021121.2/42

Out: 196.074+/-0.027 χ^2/NDF:7159867.7/49

All: 190.890+/-0.019 χ^2/NDF: 13251777.0/92

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.053+/-9.652 χ^2/NDF: 18.6/19

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 17.452+/-9.183 χ^2/NDF: 25.9/24

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

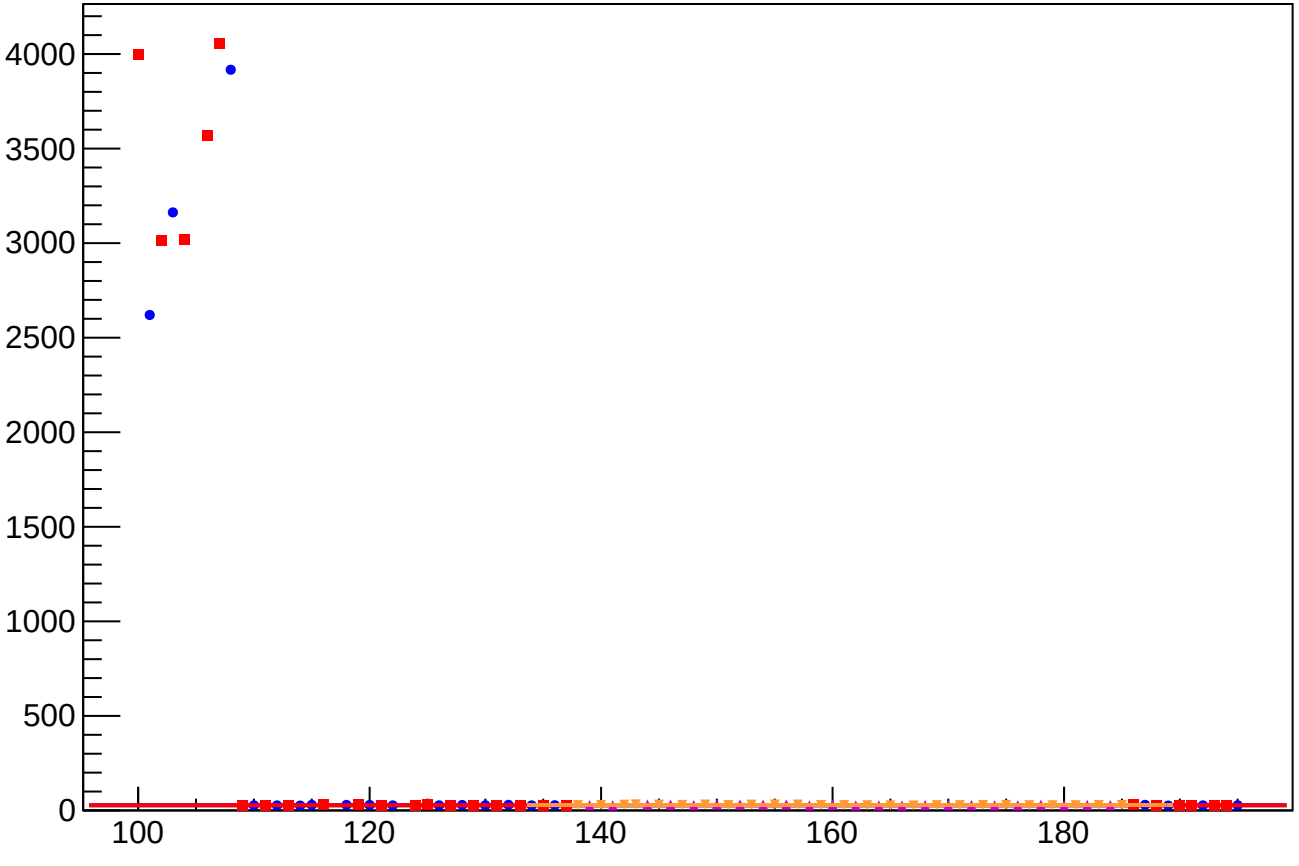
Right: 10.611+/-6.653 χ^2/NDF: 45.7/44

In: 2.732+/-5.522 χ^2/NDF:40.8/42

Out: -1.997+/-5.327 χ^2/NDF:50.5/49

All: 0.283+/-3.834 χ^2/NDF: 91.7/92

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.556+/-0.007 χ^2/NDF: 3274766.4/19

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.628+/-0.006 χ^2/NDF: 3577447.9/24

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

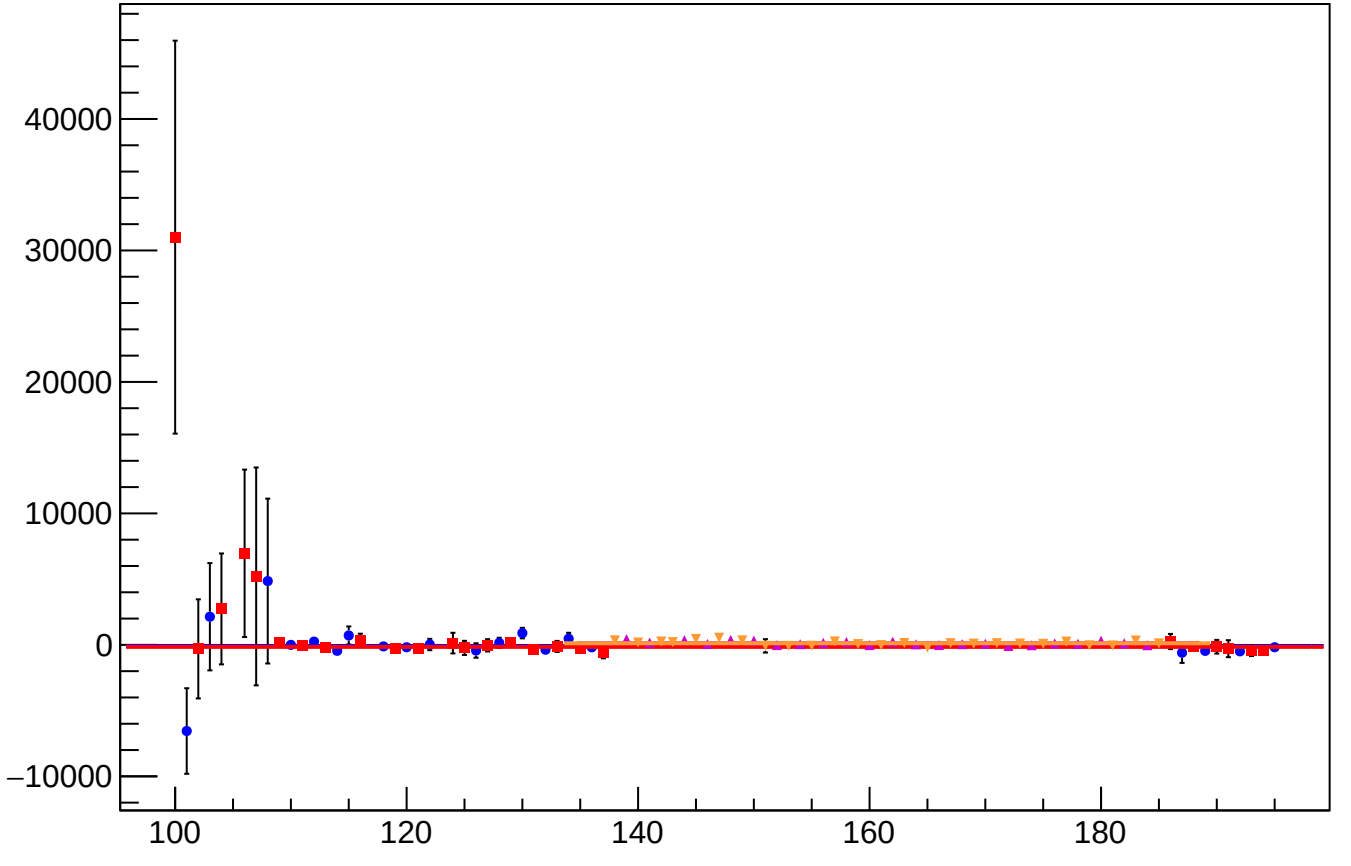
Right: 27.594+/-0.005 χ^2/NDF: 6852272.3/44

In: 28.344+/-0.004 χ^2/NDF:3421978.2/42

Out: 28.344+/-0.004 χ^2/NDF:3694655.7/49

All: 28.344+/-0.003 χ^2/NDF: 7116633.9/92

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -84.686+/-71.118 χ^2/NDF: 22.4/19

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -152.409+/-68.834 χ^2/NDF: 16.8/24

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

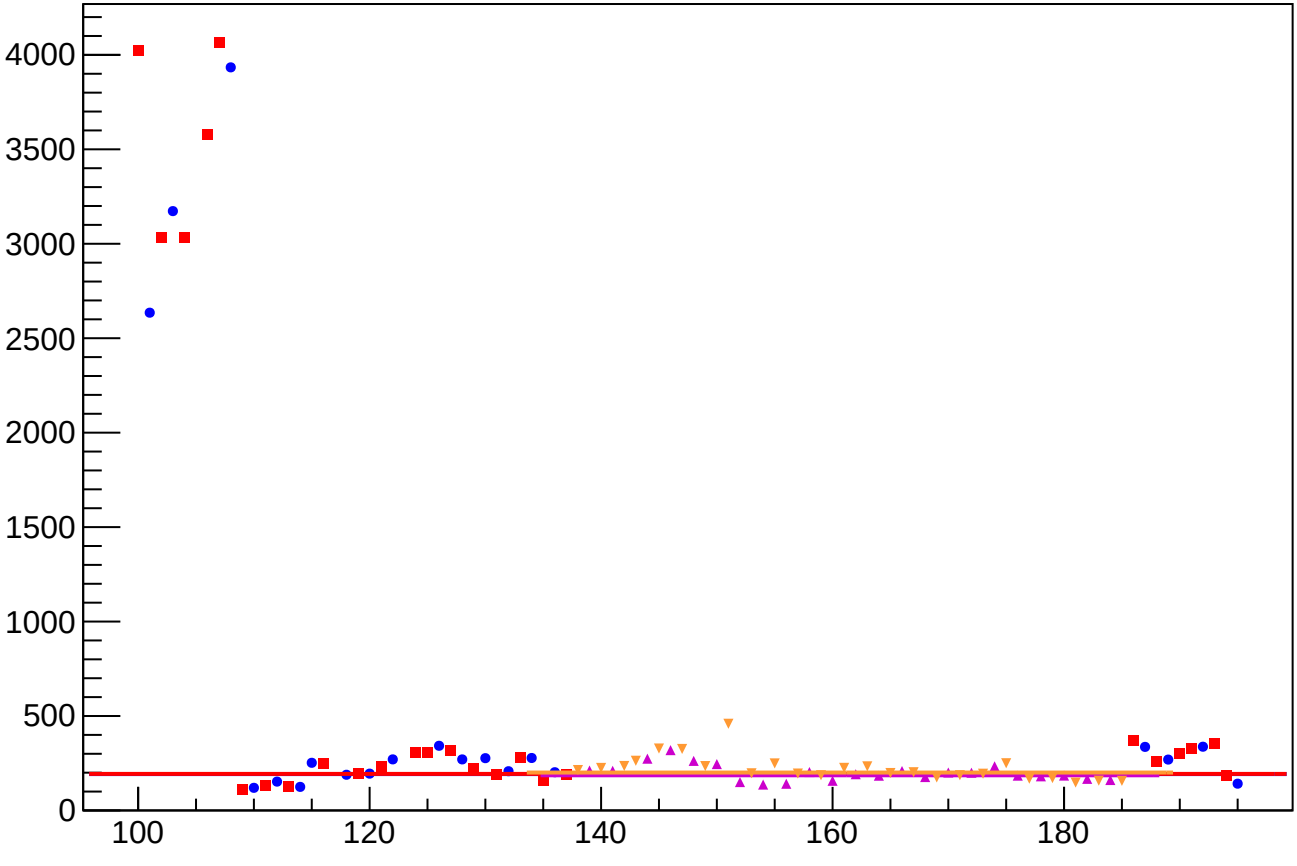
Right: -119.652+/-49.461 χ^2/NDF: 39.7/44

In: 63.147+/-38.189 χ^2/NDF:36.9/42

Out: 34.574+/-38.983 χ^2/NDF:39.0/49

All: 49.155+/-27.280 χ^2/NDF: 76.2/92

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.579+/-0.050 χ^2/NDF: 4520533.9/19

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 193.485+/-0.049 χ^2/NDF: 5154665.3/24

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

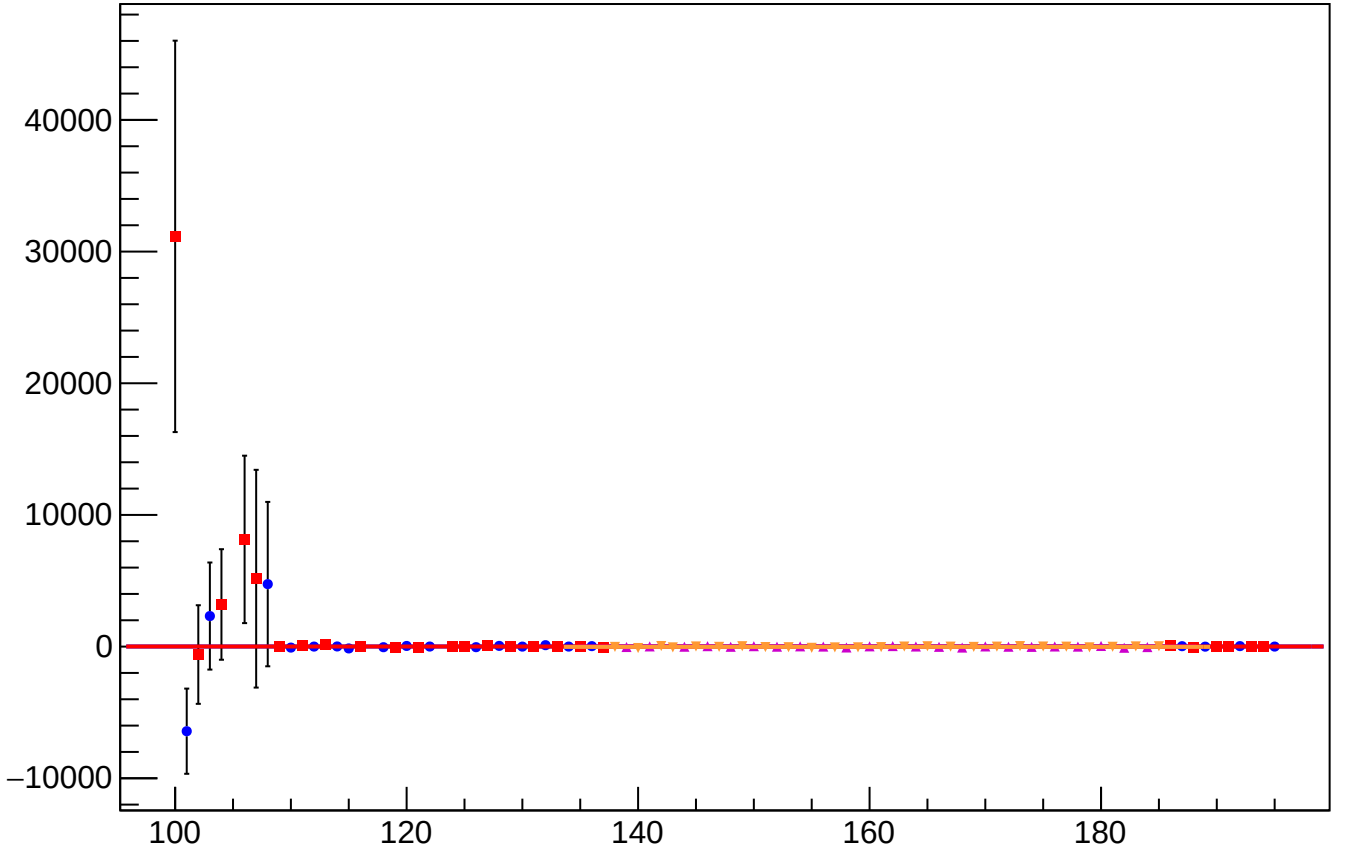
Right: 193.047+/-0.035 χ^2/NDF: 9675366.9/44

In: 188.017+/-0.027 χ^2/NDF:5945483.5/42

Out: 198.376+/-0.028 χ^2/NDF:7049613.6/49

All: 193.090+/-0.019 χ^2/NDF: 13067162.3/92

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.942+/-11.765 χ^2/NDF: 18.4/19

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 7.250+/-11.186 χ^2/NDF: 25.9/24

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

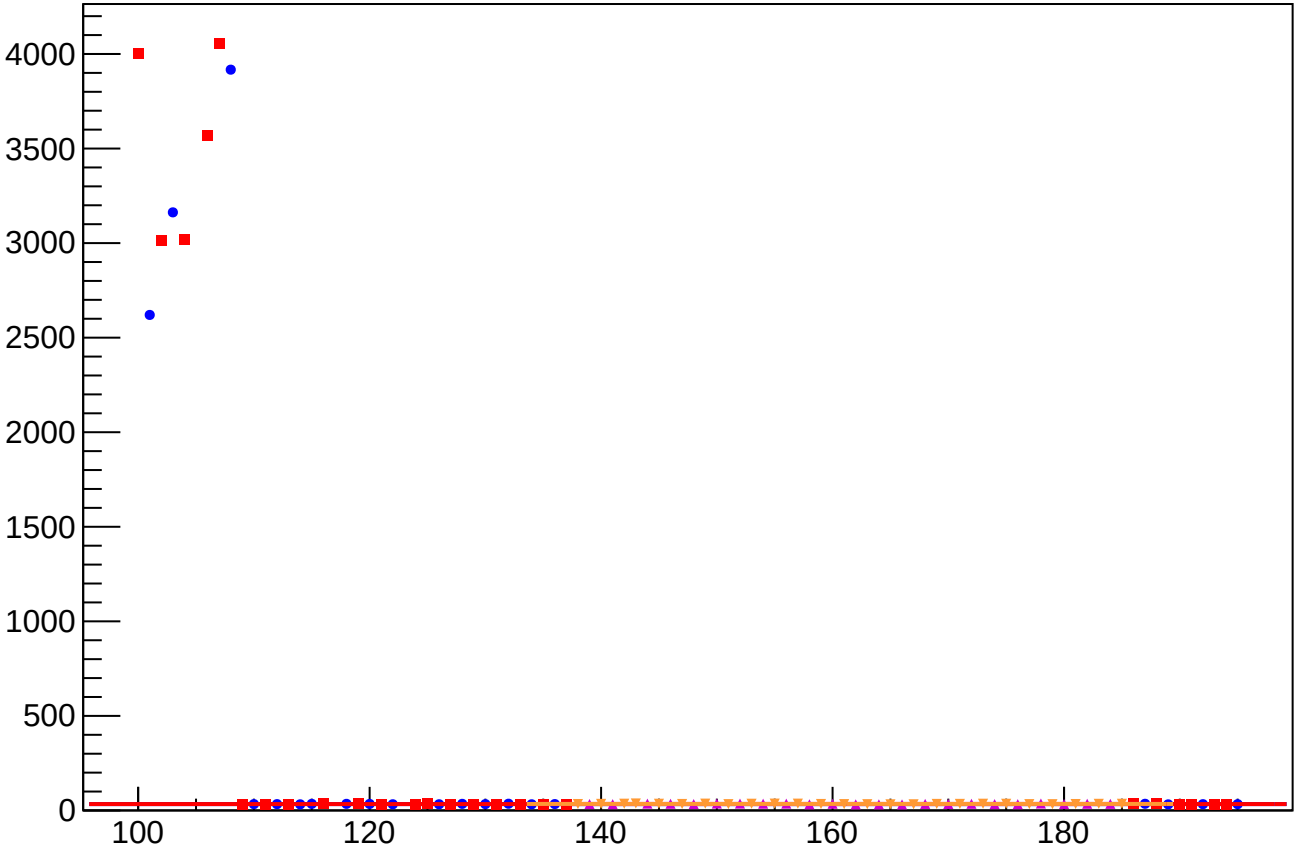
Right: 8.054+/-8.107 χ^2/NDF: 44.3/44

In: 0.131+/-6.662 χ^2/NDF:38.2/42

Out: -11.854+/-6.417 χ^2/NDF:53.2/49

All: -6.086+/-4.622 χ^2/NDF: 93.0/92

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.640+/-0.008 χ^2/NDF: 3248670.0/19

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.721+/-0.008 χ^2/NDF: 3537365.8/24

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

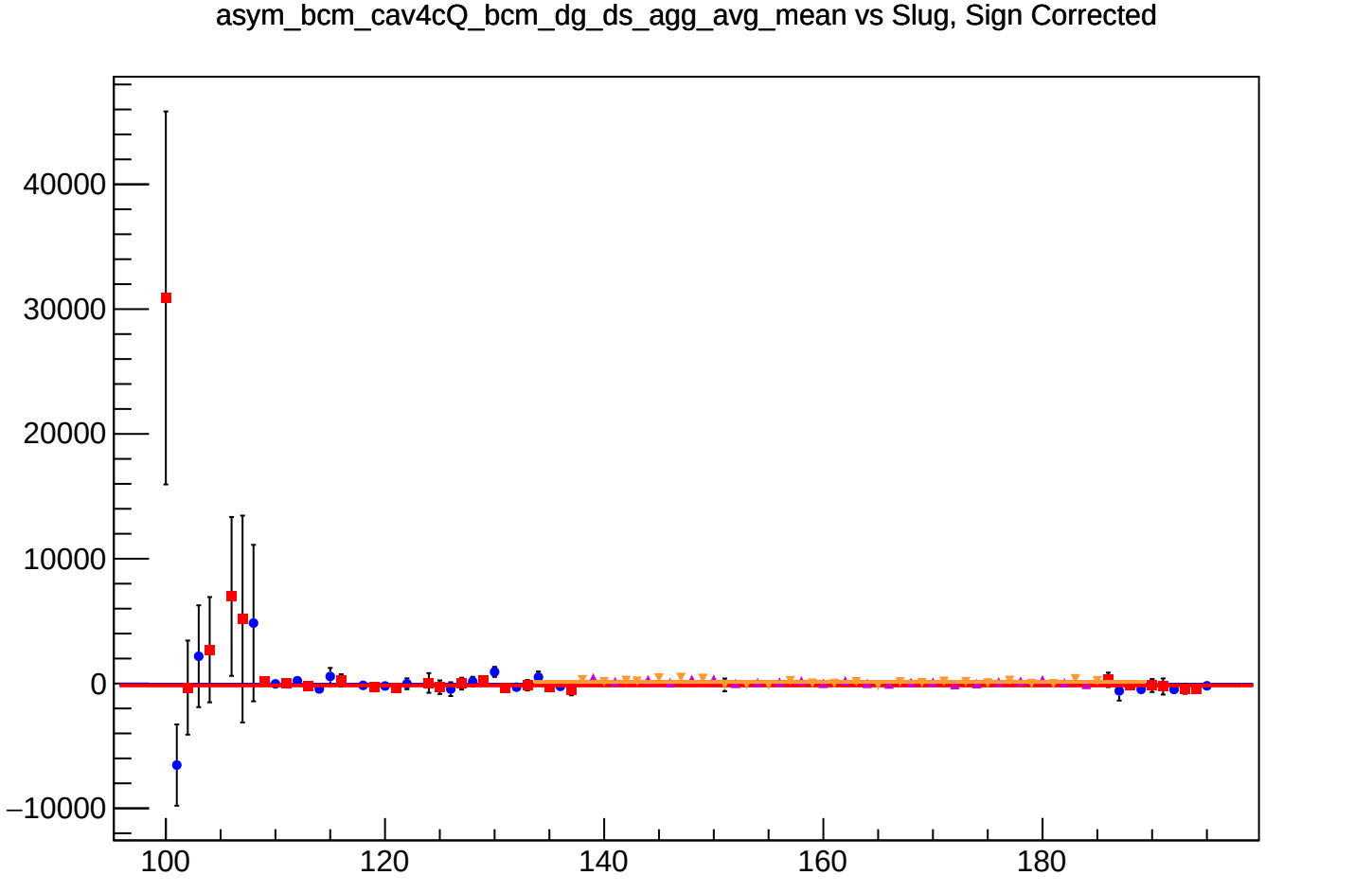
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.683+/-0.006 χ^2/NDF: 6786086.0/44

In: 34.260+/-0.005 χ^2/NDF:3316116.6/42

Out: 34.202+/-0.005 χ^2/NDF:3587571.0/49

All: 34.230+/-0.003 χ^2/NDF: 6903763.7/92



Right In: -96.470+/-70.854 χ^2/NDF: 22.0/19

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -154.610+/-68.482 χ^2/NDF: 16.3/24

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

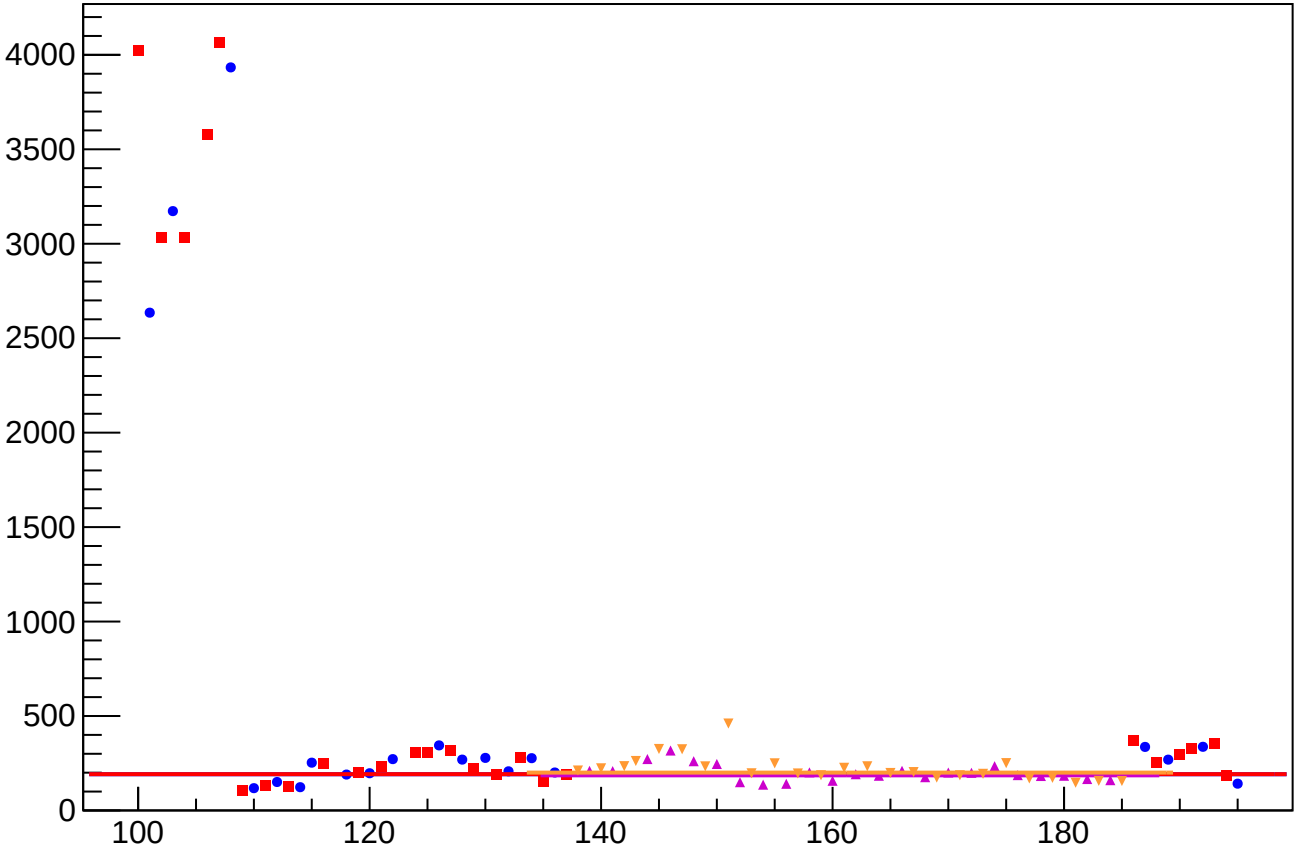
Right: -126.529+/-49.241 χ^2/NDF: 38.6/44

In: 59.385+/-38.106 χ^2/NDF:36.8/42

Out: 36.702+/-38.879 χ^2/NDF:39.4/49

All: 48.271+/-27.214 χ^2/NDF: 76.4/92

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.618+/-0.050 χ^2/NDF: 4555989.6/19

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 192.102+/-0.048 χ^2/NDF: 5218464.7/24

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

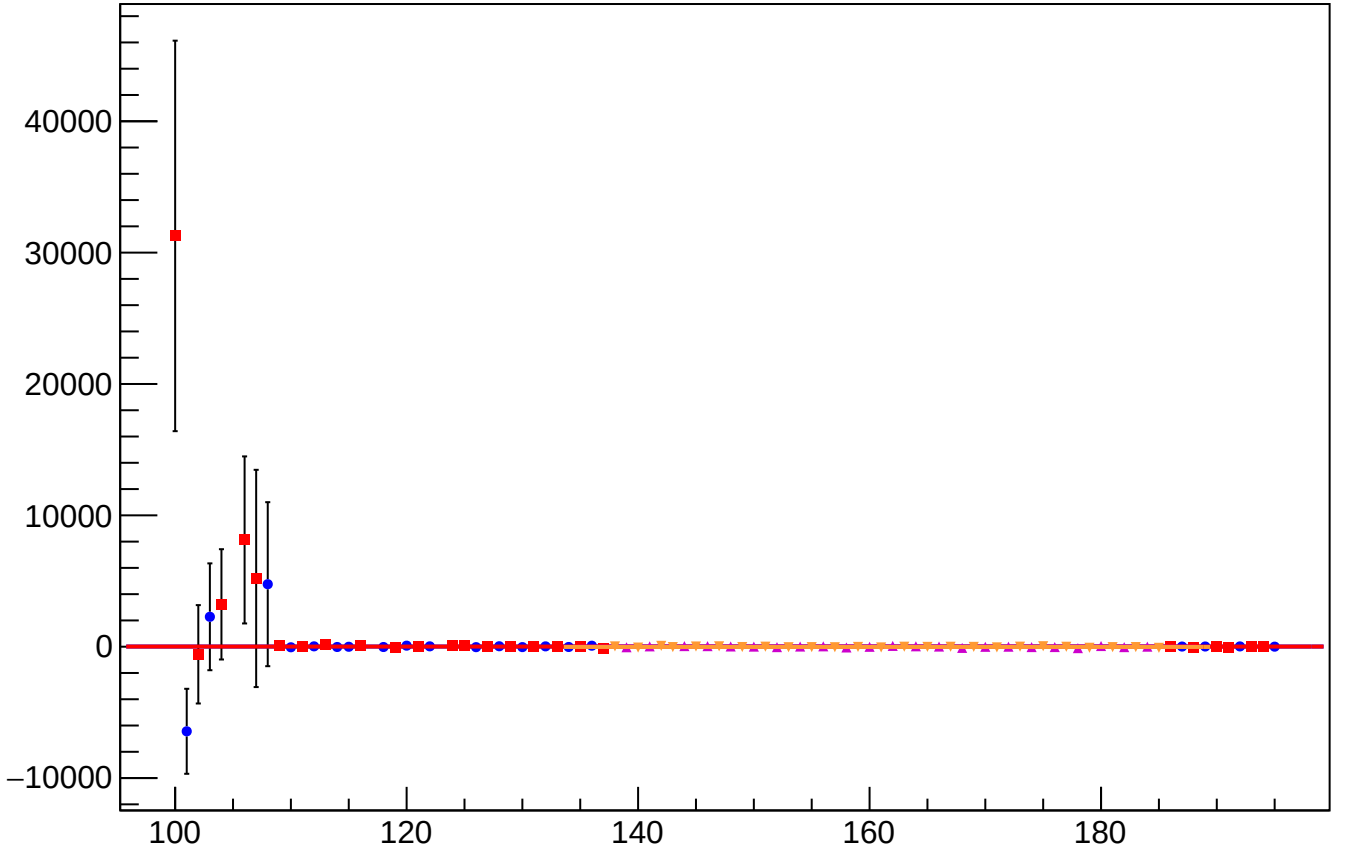
Right: 191.868+/-0.035 χ^2/NDF: 9774502.4/44

In: 187.534+/-0.027 χ^2/NDF:5970867.0/42

Out: 197.706+/-0.027 χ^2/NDF:7114765.5/49

All: 192.518+/-0.019 χ^2/NDF: 13155469.7/92

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.738+/-10.688 χ^2/NDF: 15.6/19

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 10.661+/-10.151 χ^2/NDF: 33.0/24

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

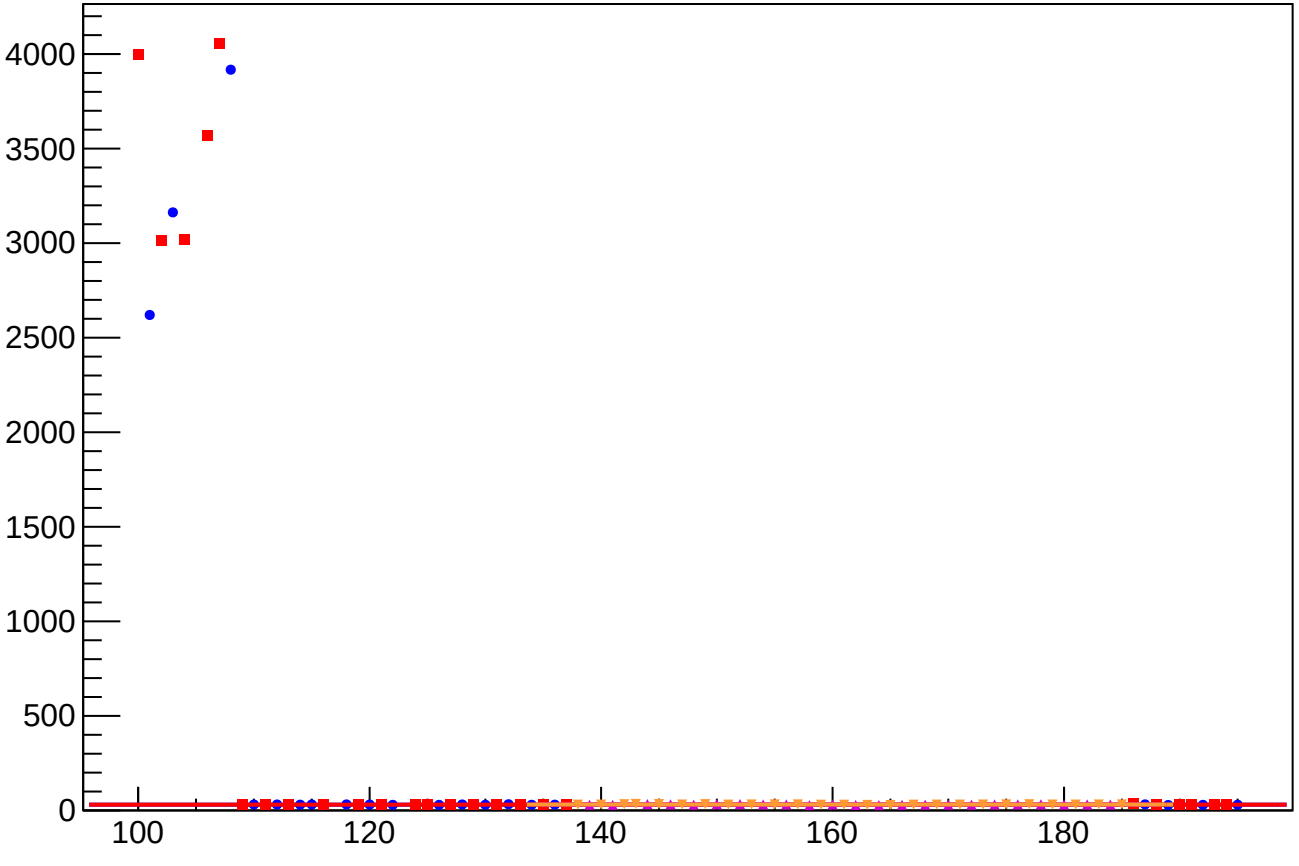
Right: 12.120+/-7.360 χ^2/NDF: 48.7/44

In: 2.570+/-6.055 χ^2/NDF:52.8/42

Out: -8.911+/-5.837 χ^2/NDF:58.9/49

All: -3.381+/-4.202 χ^2/NDF: 113.6/92

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.536+/-0.008 χ^2/NDF: 3261832.2/19

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.567+/-0.007 χ^2/NDF: 3553202.9/24

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

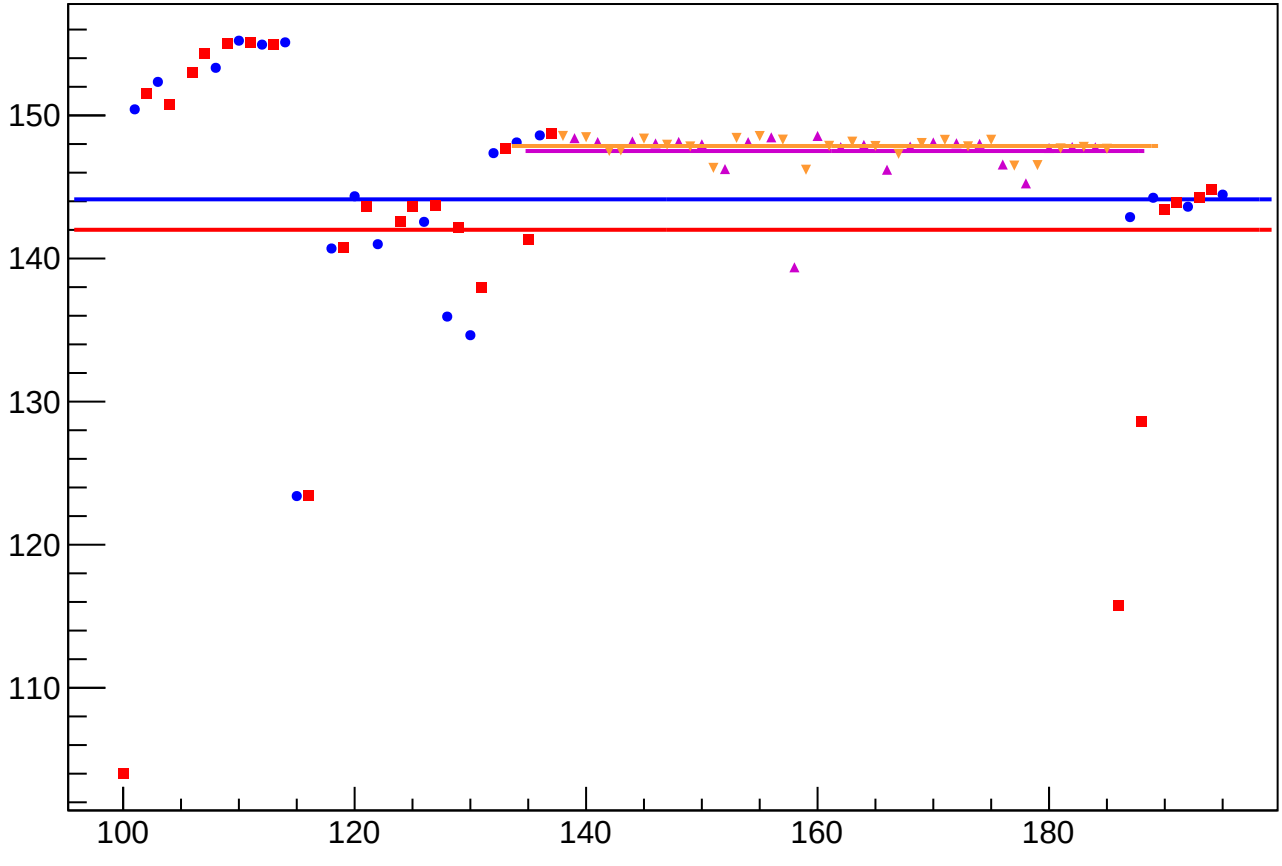
Right: 30.553+/-0.005 χ^2/NDF: 6815043.8/44

In: 31.109+/-0.004 χ^2/NDF:3355512.2/42

Out: 31.084+/-0.004 χ^2/NDF:3623976.9/49

All: 31.096+/-0.003 χ^2/NDF: 6979506.1/92

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.135+/-0.000 χ^2/NDF: 3727783759.3/19

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.008+/-0.000 χ^2/NDF: 7458634491.9/24

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

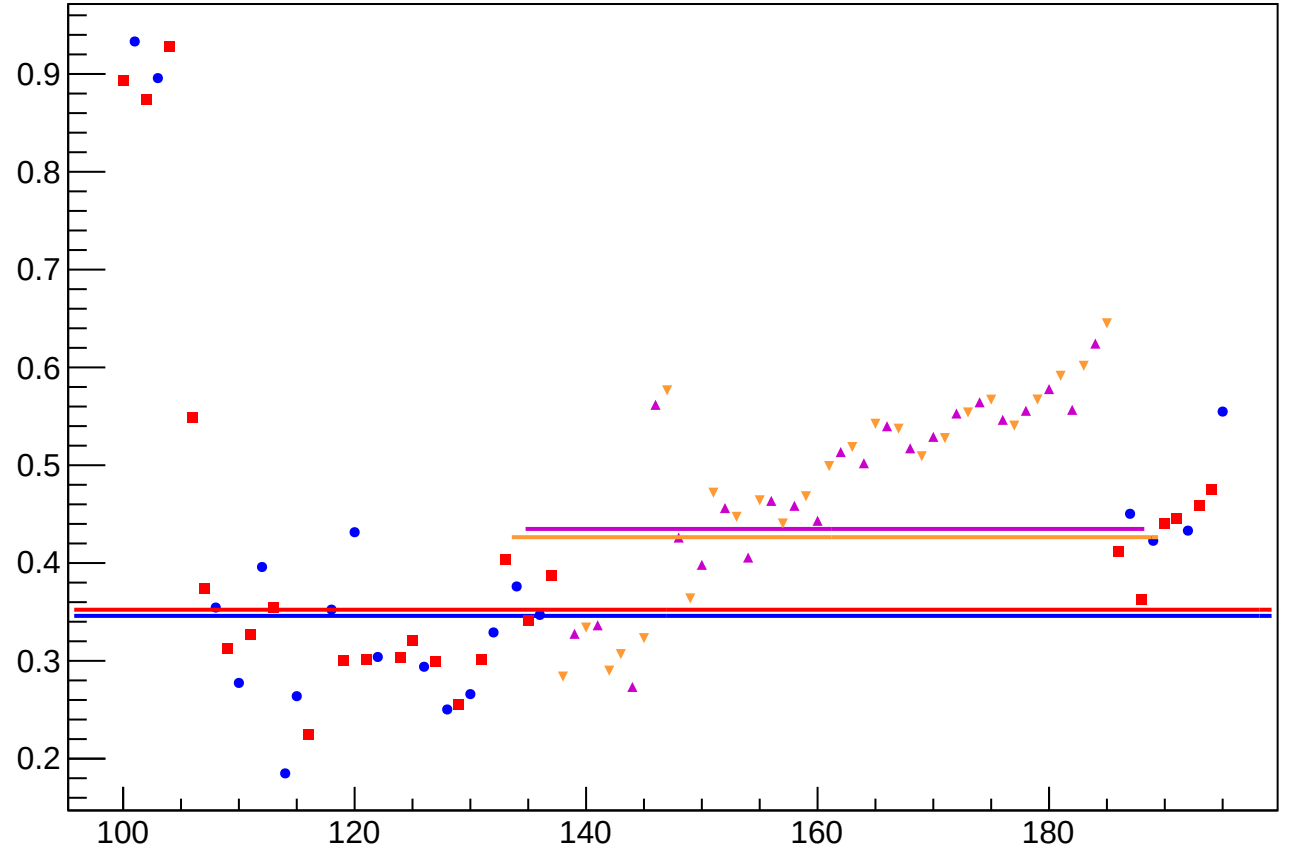
Right: 143.015+/-0.000 χ^2/NDF: 11349385910.4/44

In: 146.046+/-0.000 χ^2/NDF:4475344918.2/42

Out: 145.289+/-0.000 χ^2/NDF:8966347598.0/49

All: 145.650+/-0.000 χ^2/NDF: 13488899812.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.346+/-0.000 χ^2/NDF: 1829409.2/19

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.352+/-0.000 χ^2/NDF: 1633834.2/24

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

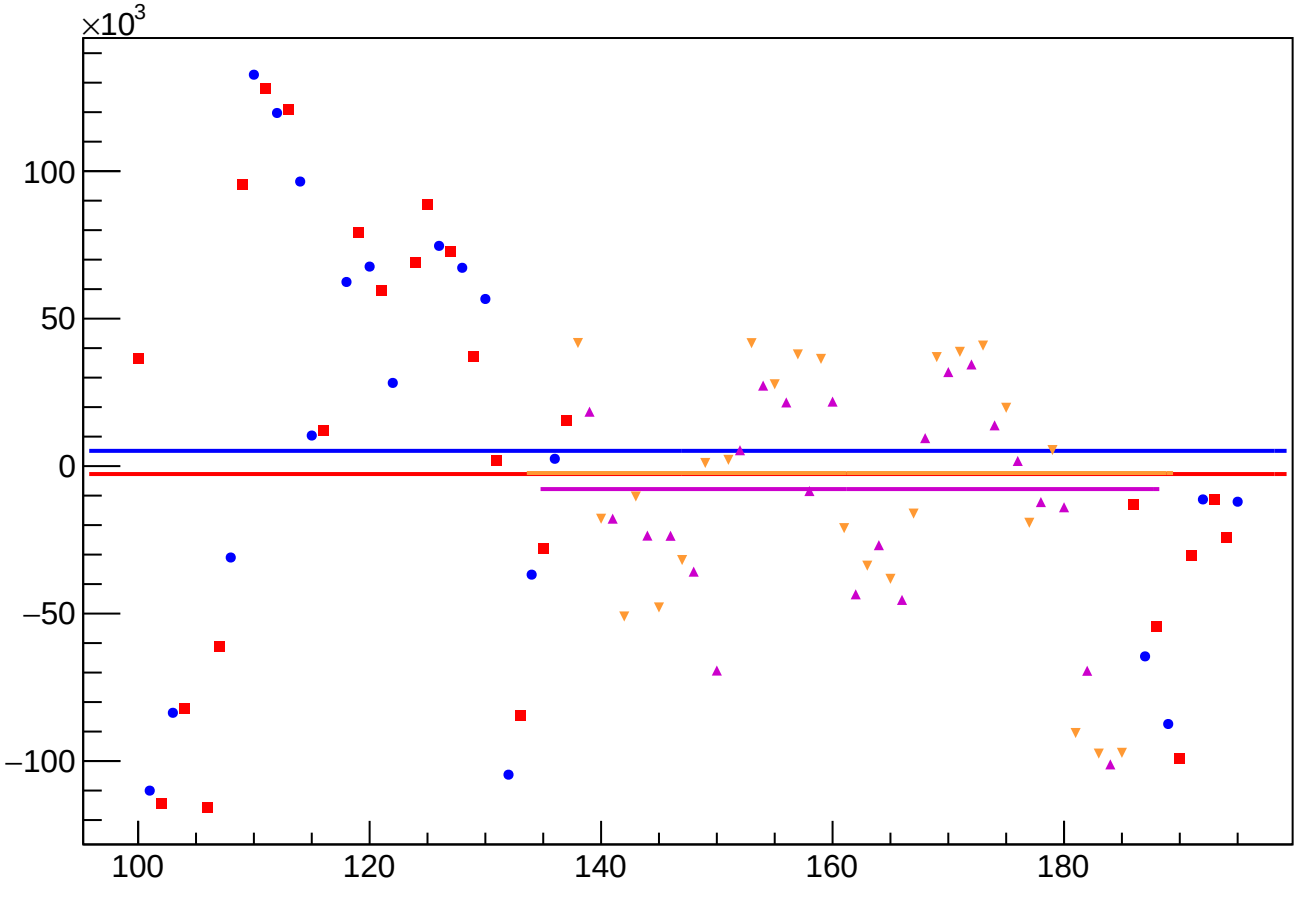
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.349+/-0.000 χ^2/NDF: 3466105.6/44

In: 0.396+/-0.000 χ^2/NDF:4216182.3/42

Out: 0.394+/-0.000 χ^2/NDF:4362066.0/49

All: 0.395+/-0.000 χ^2/NDF: 8579255.7/92



Right In: 5172.093+/-1.726 χ^2/NDF: 1632849873.2/19

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -2689.975+/-1.570 χ^2/NDF: 2162732519.2/24

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

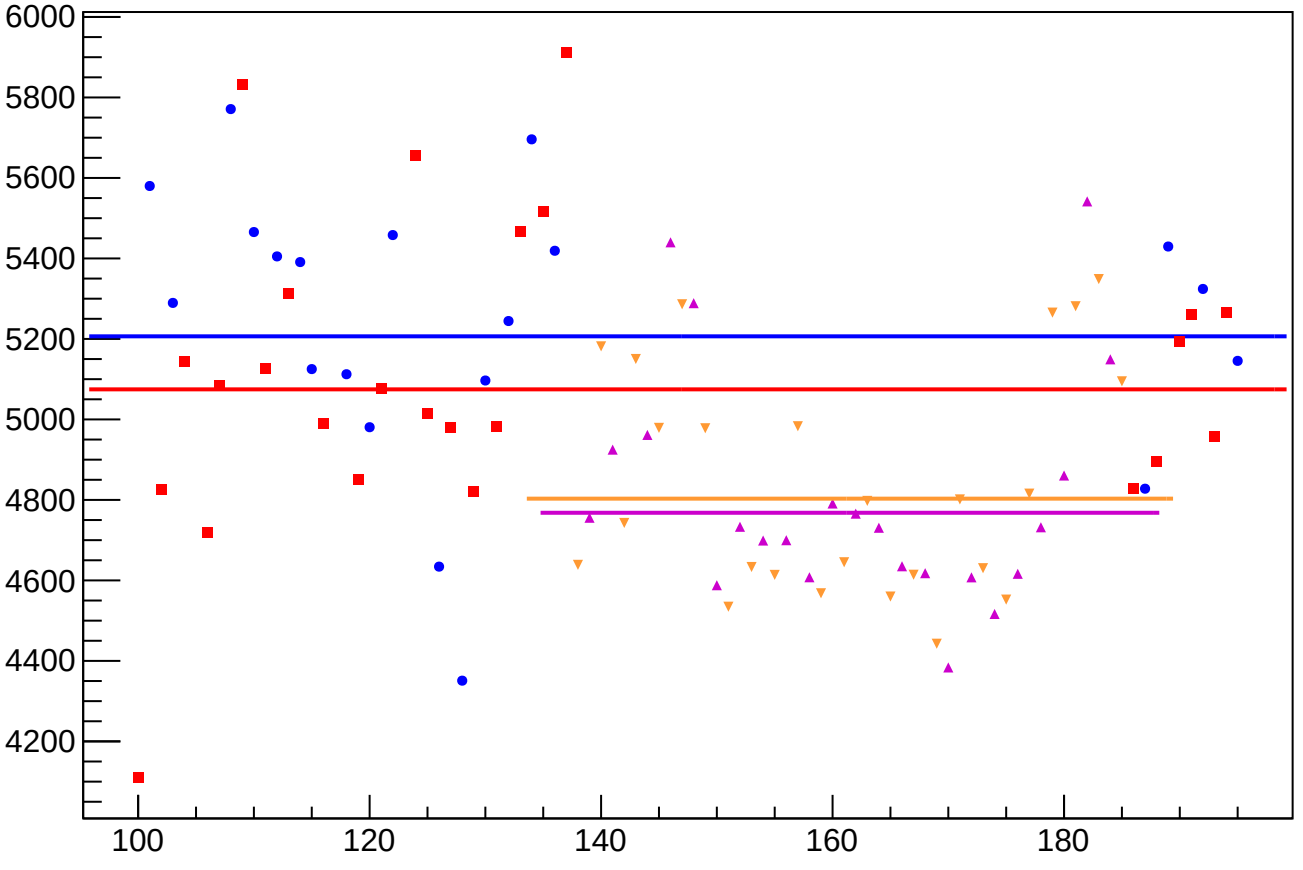
Right: 870.537+/-1.161 χ^2/NDF: 3806935455.0/44

In: -3829.338+/-0.954 χ^2/NDF:2434508411.6/42

Out: -2461.677+/-0.914 χ^2/NDF:3392793813.4/49

All: -3116.016+/-0.660 χ^2/NDF: 5828374457

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5206.467+/-1.220 χ^2/NDF: 82061.8/19

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5074.702+/-1.110 χ^2/NDF: 67835.7/24

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

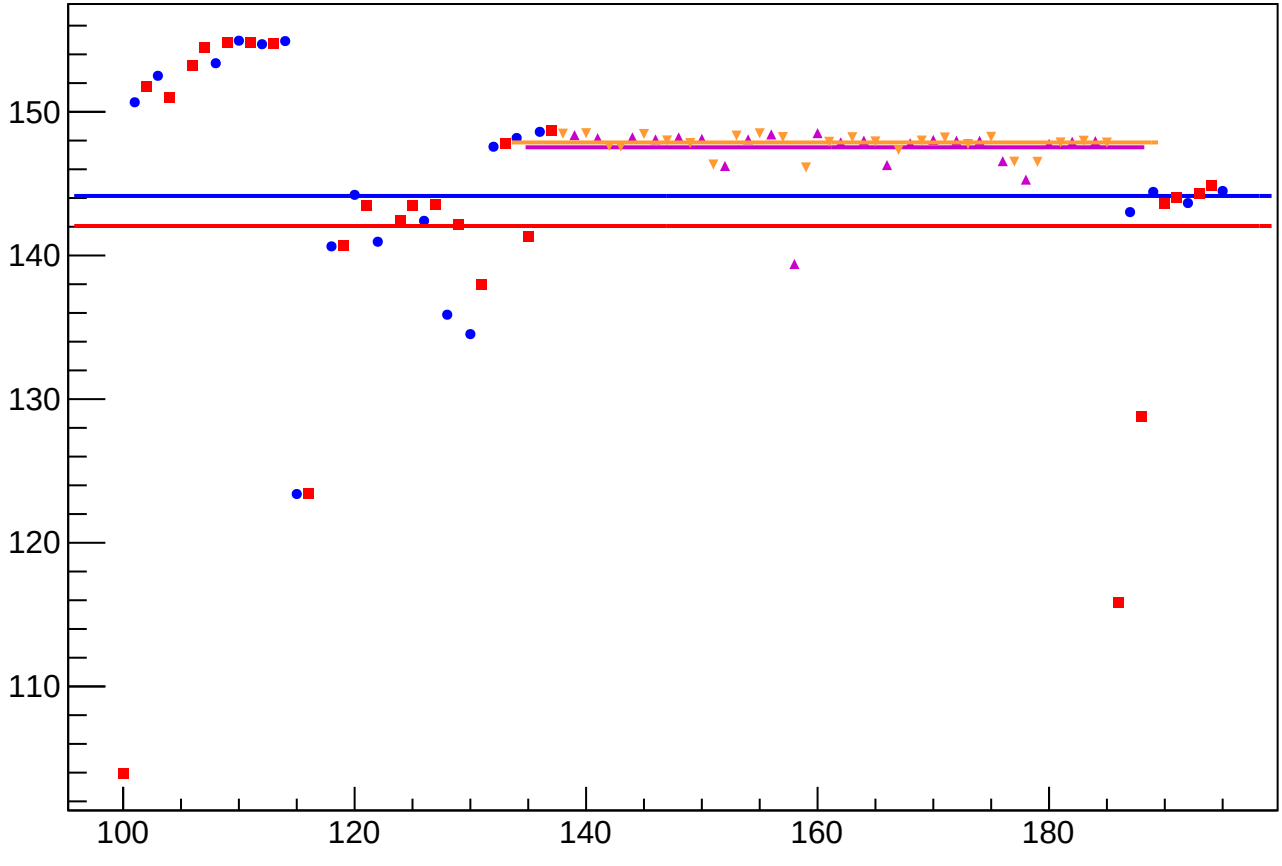
Right: 5134.375+/-0.821 χ^2/NDF: 156275.2/44

In: 4901.964+/-0.674 χ^2/NDF:274047.5/42

Out: 4895.061+/-0.646 χ^2/NDF:222088.0/49

All: 4898.363+/-0.467 χ^2/NDF: 496190.1/92

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.143+/-0.000 χ^2/NDF: 3767707345.2/19

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.052+/-0.000 χ^2/NDF: 7430774951.9/24

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

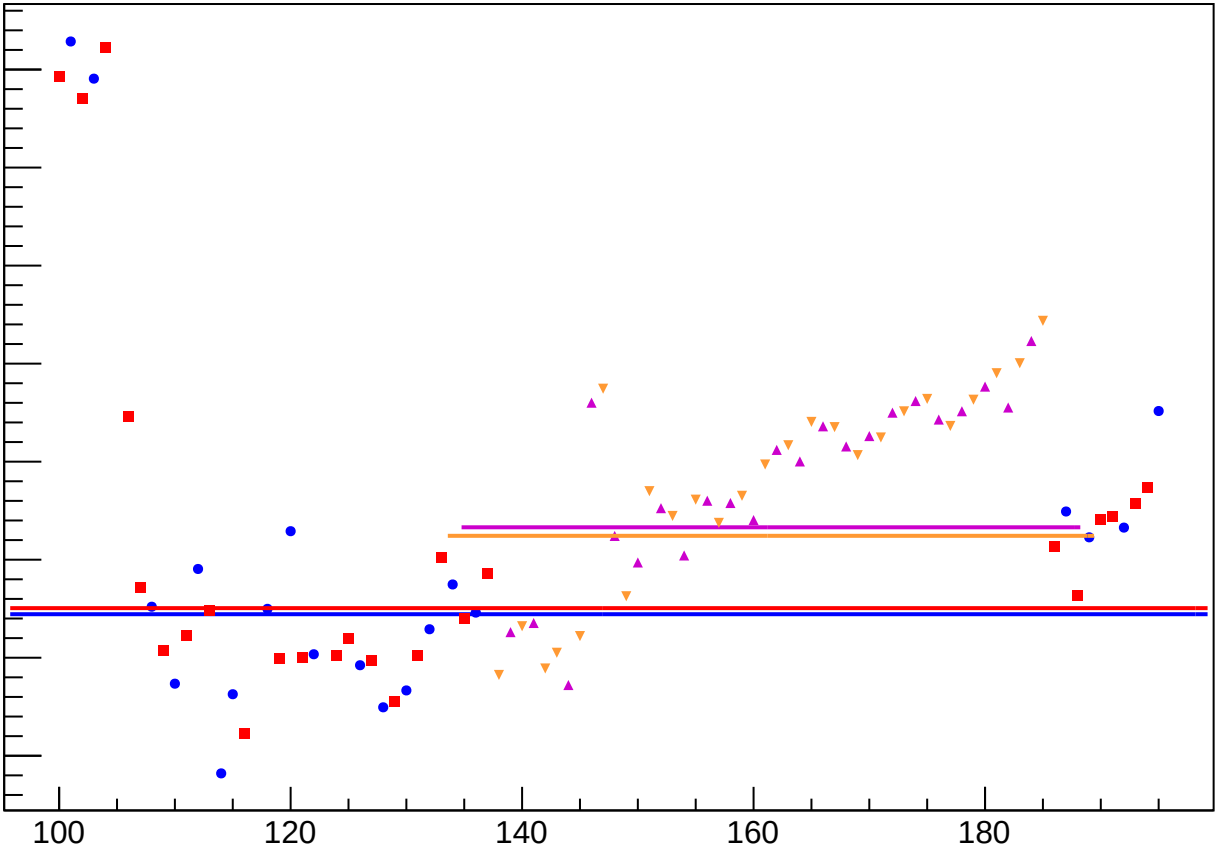
Right: 143.042+/-0.000 χ^2/NDF: 11357470971.1/44

In: 146.061+/-0.000 χ^2/NDF:4523127065.3/42

Out: 145.313+/-0.000 χ^2/NDF:8932470697.9/49

All: 145.669+/-0.000 χ^2/NDF: 13502144769.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.344+/-0.000 χ^2/NDF: 1833139.9/19

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.351+/-0.000 χ^2/NDF: 1641755.2/24

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

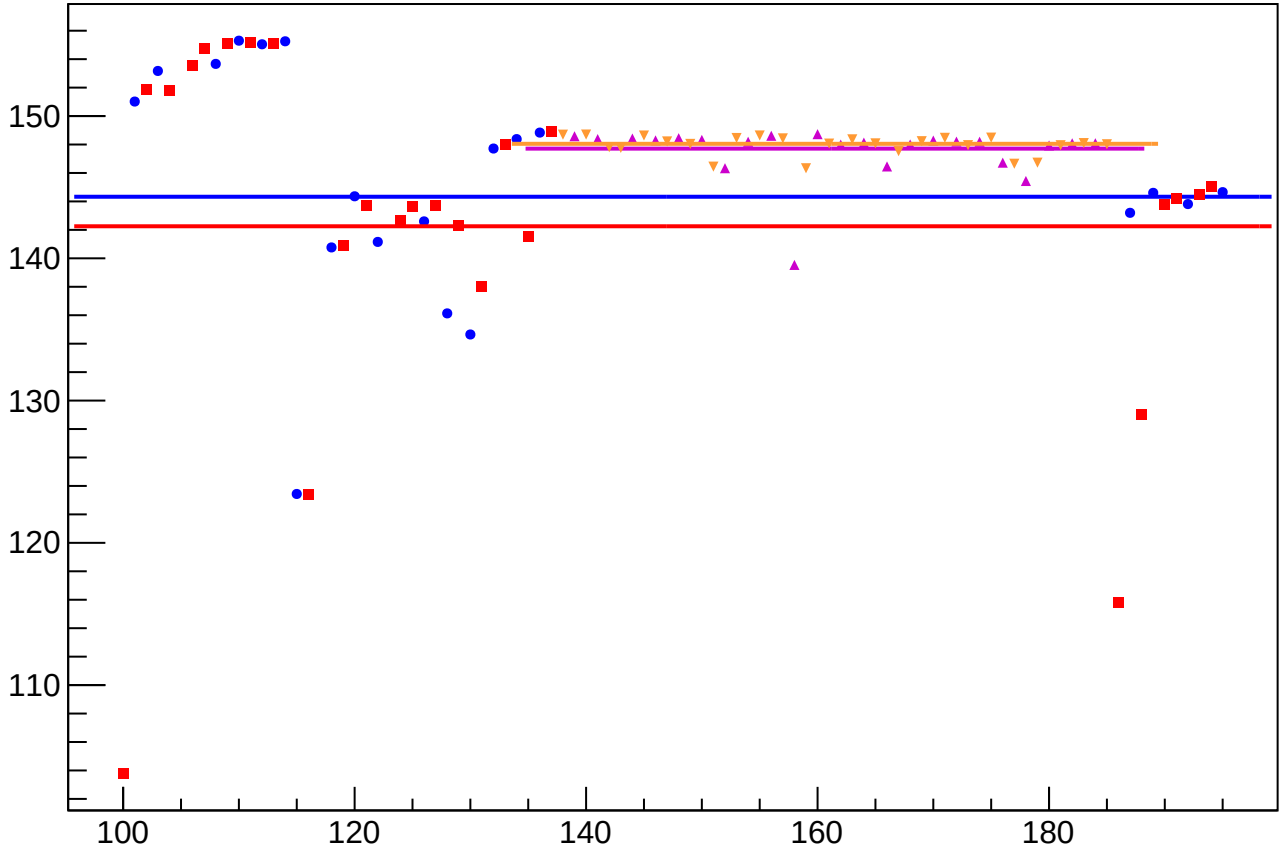
Right: 0.348+/-0.000 χ^2/NDF: 3477681.6/44

In: 0.395+/-0.000 χ^2/NDF:4218123.7/42

Out: 0.392+/-0.000 χ^2/NDF:4371163.3/49

All: 0.393+/-0.000 χ^2/NDF: 8590434.6/92

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.329+/-0.000 χ^2/NDF: 3761537874.7/19

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.253+/-0.000 χ^2/NDF: 7367091128.1/24

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

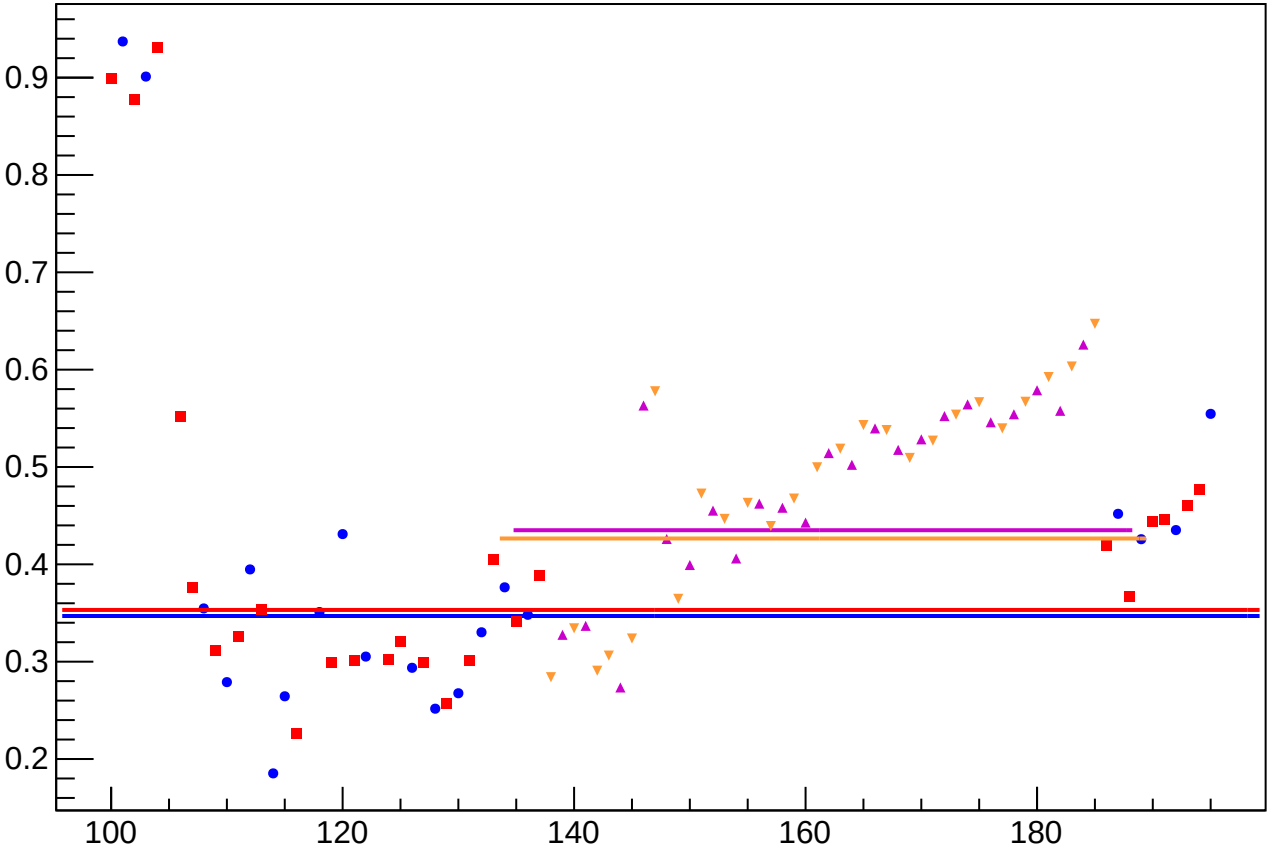
Right: 143.236+/-0.000 χ^2/NDF: 11282992019.1/44

In: 146.247+/-0.000 χ^2/NDF:4514557185.4/42

Out: 145.508+/-0.000 χ^2/NDF:8840211118.3/49

All: 145.860+/-0.000 χ^2/NDF: 13399590566.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.347+/-0.000 χ^2/NDF: 1826073.8/19

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.353+/-0.000 χ^2/NDF: 1643631.8/24

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

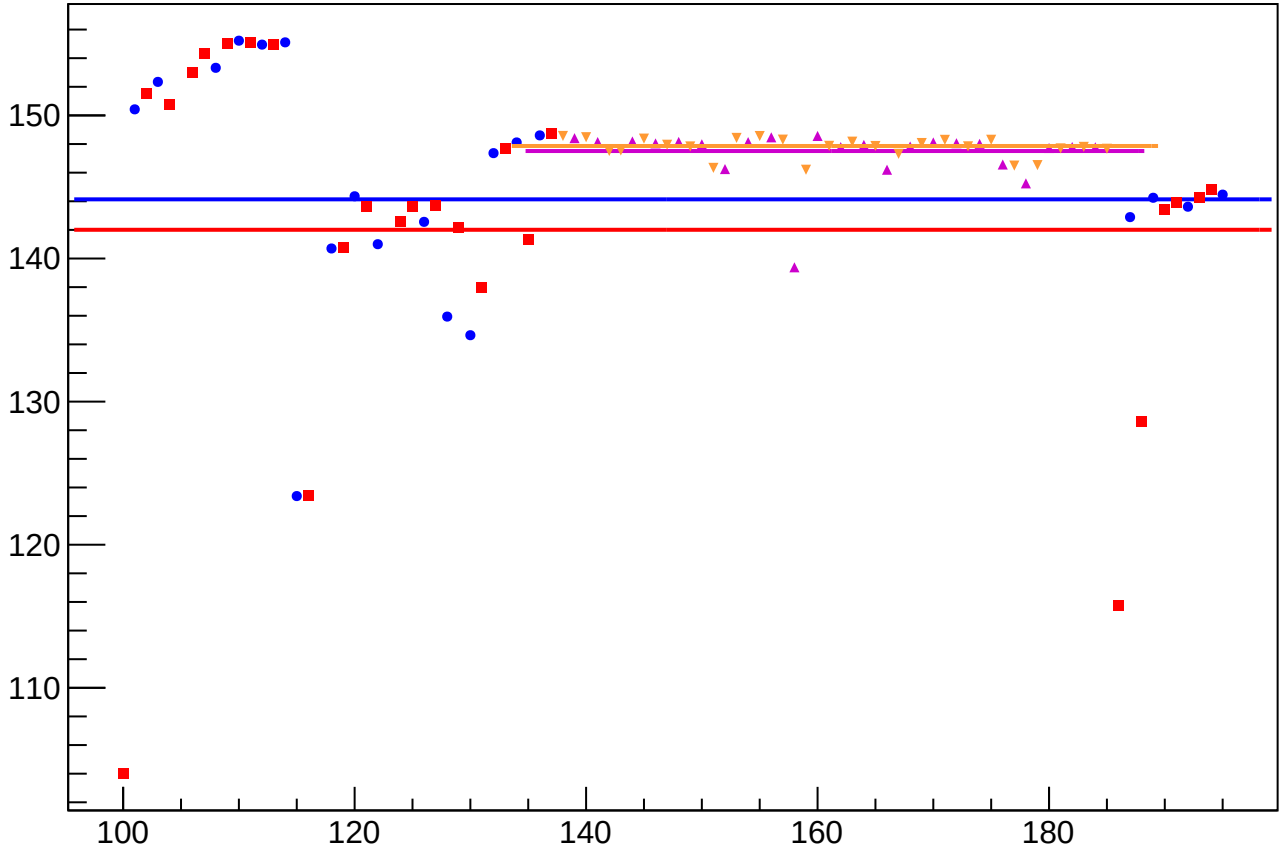
Right: 0.350+/-0.000 χ^2/NDF: 3472486.0/44

In: 0.397+/-0.000 χ^2/NDF:4195142.9/42

Out: 0.394+/-0.000 χ^2/NDF:4359236.9/49

All: 0.396+/-0.000 χ^2/NDF: 8555430.8/92

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.135+/-0.000 χ^2/NDF: 3727783759.3/19

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.008+/-0.000 χ^2/NDF: 7458634491.9/24

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

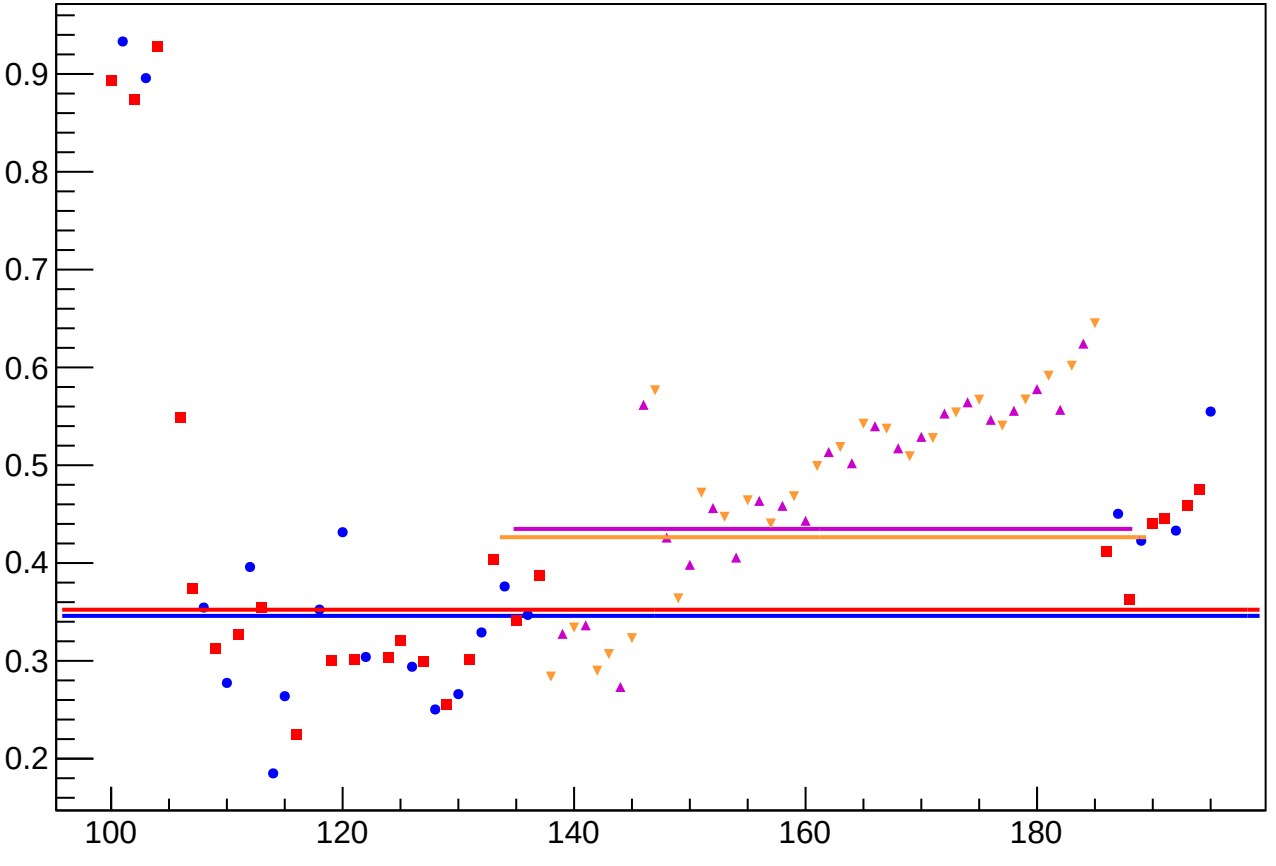
Right: 143.015+/-0.000 χ^2/NDF: 11349385910.4/44

In: 146.046+/-0.000 χ^2/NDF:4475344918.2/42

Out: 145.289+/-0.000 χ^2/NDF:8966347598.0/49

All: 145.650+/-0.000 χ^2/NDF: 13488899812.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.346+/-0.000 χ^2/NDF: 1829409.2/19

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.352+/-0.000 χ^2/NDF: 1633834.2/24

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

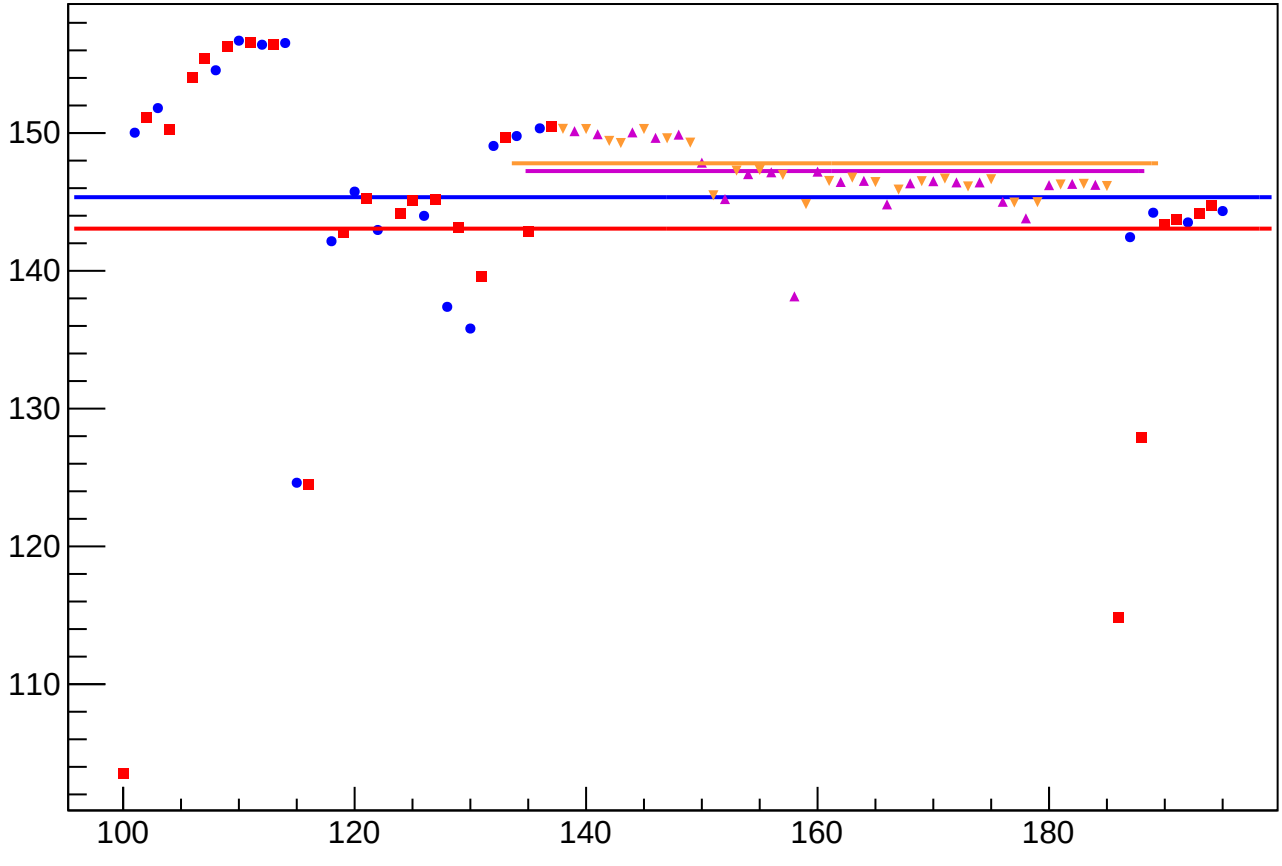
Right: 0.349+/-0.000 χ^2/NDF: 3466105.6/44

In: 0.396+/-0.000 χ^2/NDF:4216182.3/42

Out: 0.394+/-0.000 χ^2/NDF:4362066.0/49

All: 0.395+/-0.000 χ^2/NDF: 8579255.7/92

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.345+/-0.000 χ^2/NDF: 3514802507.9/19

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.063+/-0.000 χ^2/NDF: 7582625441.4/24

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

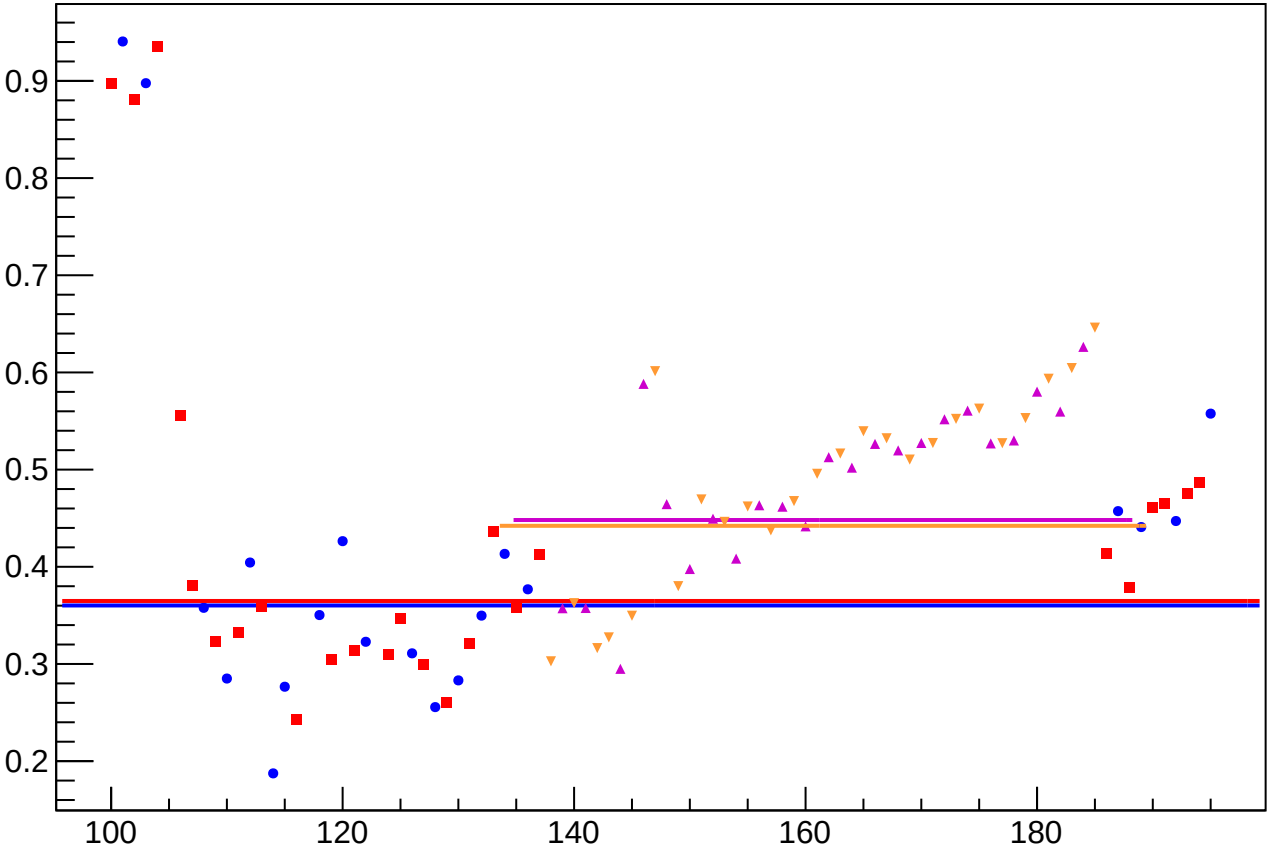
Right: 144.138+/-0.000 χ^2/NDF: 11271332801.9/44

In: 146.433+/-0.000 χ^2/NDF:4263701982.5/42

Out: 145.734+/-0.000 χ^2/NDF:8807513357.2/49

All: 146.067+/-0.000 χ^2/NDF: 13109114833.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.360+/-0.000 χ^2/NDF: 1763307.8/19

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.365+/-0.000 χ^2/NDF: 1595104.0/24

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

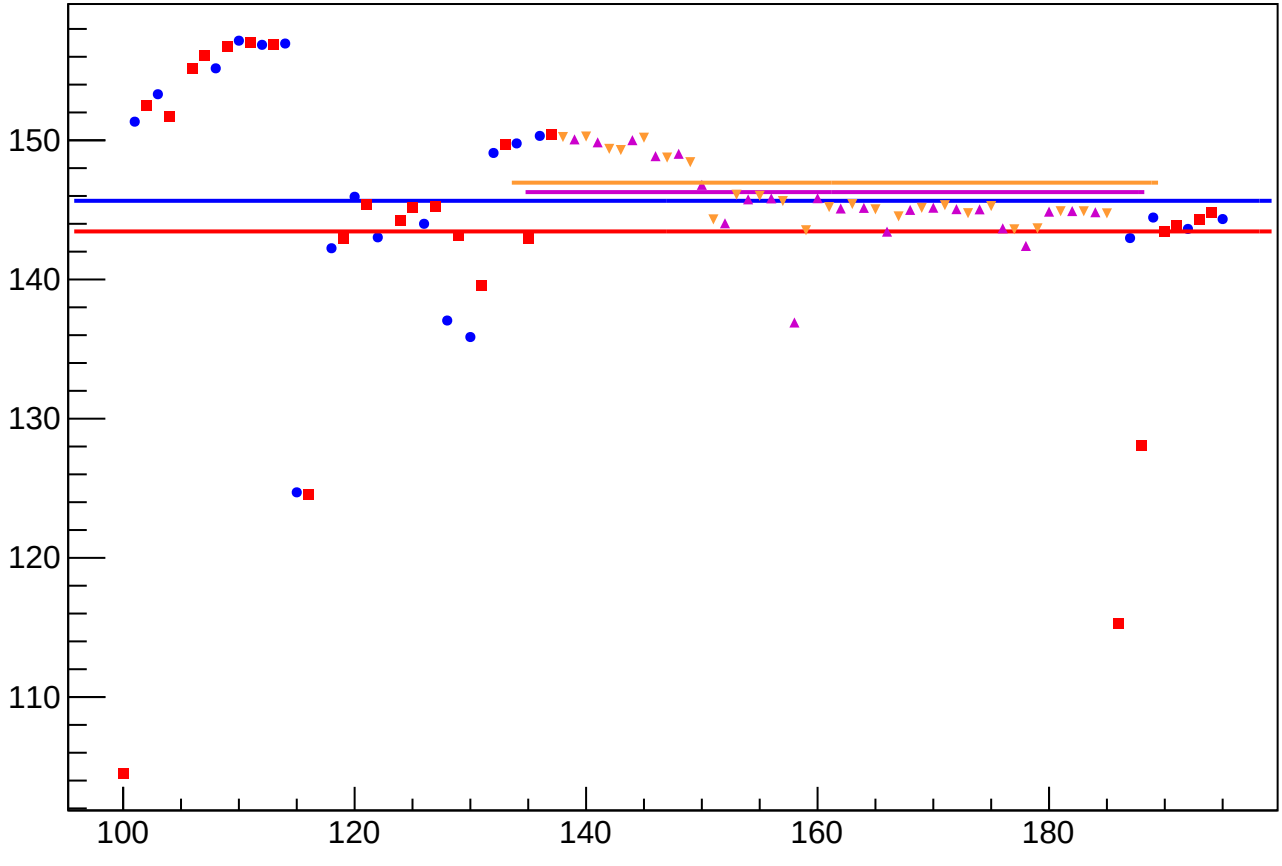
Right: 0.363+/-0.000 χ^2/NDF: 3359840.0/44

In: 0.411+/-0.000 χ^2/NDF:3671456.8/42

Out: 0.408+/-0.000 χ^2/NDF:3777174.3/49

All: 0.409+/-0.000 χ^2/NDF: 7449436.5/92

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.652+/-0.000 χ^2/NDF: 3659388575.7/19

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.452+/-0.000 χ^2/NDF: 7659672430.1/24

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

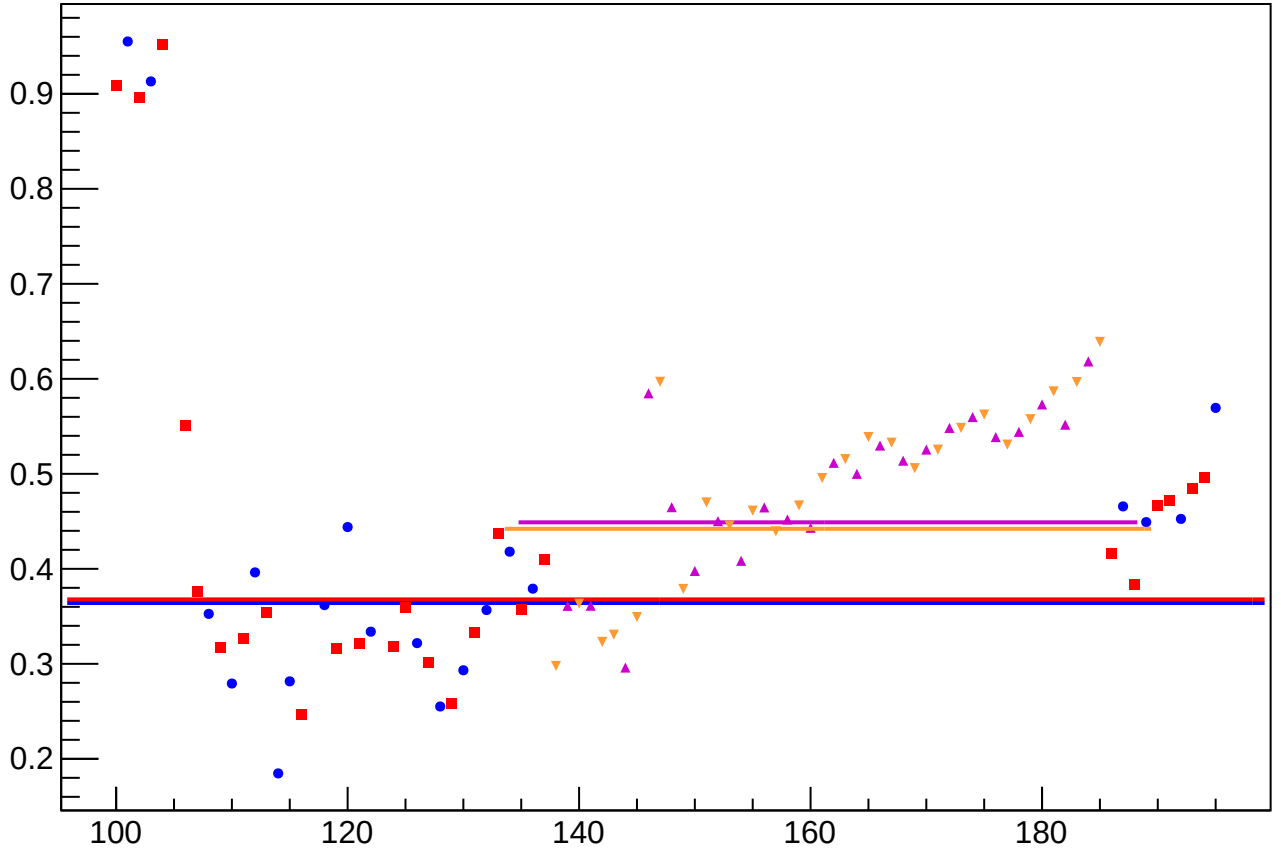
Right: 144.485+/-0.000 χ^2/NDF: 11477023516.6/44

In: 146.015+/-0.000 χ^2/NDF:4498509977.0/42

Out: 145.443+/-0.000 χ^2/NDF:8687281752.3/49

All: 145.715+/-0.000 χ^2/NDF: 13210863129.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.364+/-0.000 χ^2/NDF: 1798128.2/19

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.368+/-0.000 χ^2/NDF: 1607334.6/24

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

Right: 0.366+/-0.000 χ^2/NDF: 3406381.0/44

In: 0.413+/-0.000 χ^2/NDF:3612487.4/42

Out: 0.410+/-0.000 χ^2/NDF:3719940.6/49

All: 0.412+/-0.000 χ^2/NDF: 7334022.4/92

yield_cav4bQ_mean vs Slug, Sign Corrected

Right In: 872.504+/-0.000 χ^2/NDF: 8847187904212.8/19

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.125+/-0.000 χ^2/NDF: 12503660635461.9/24

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

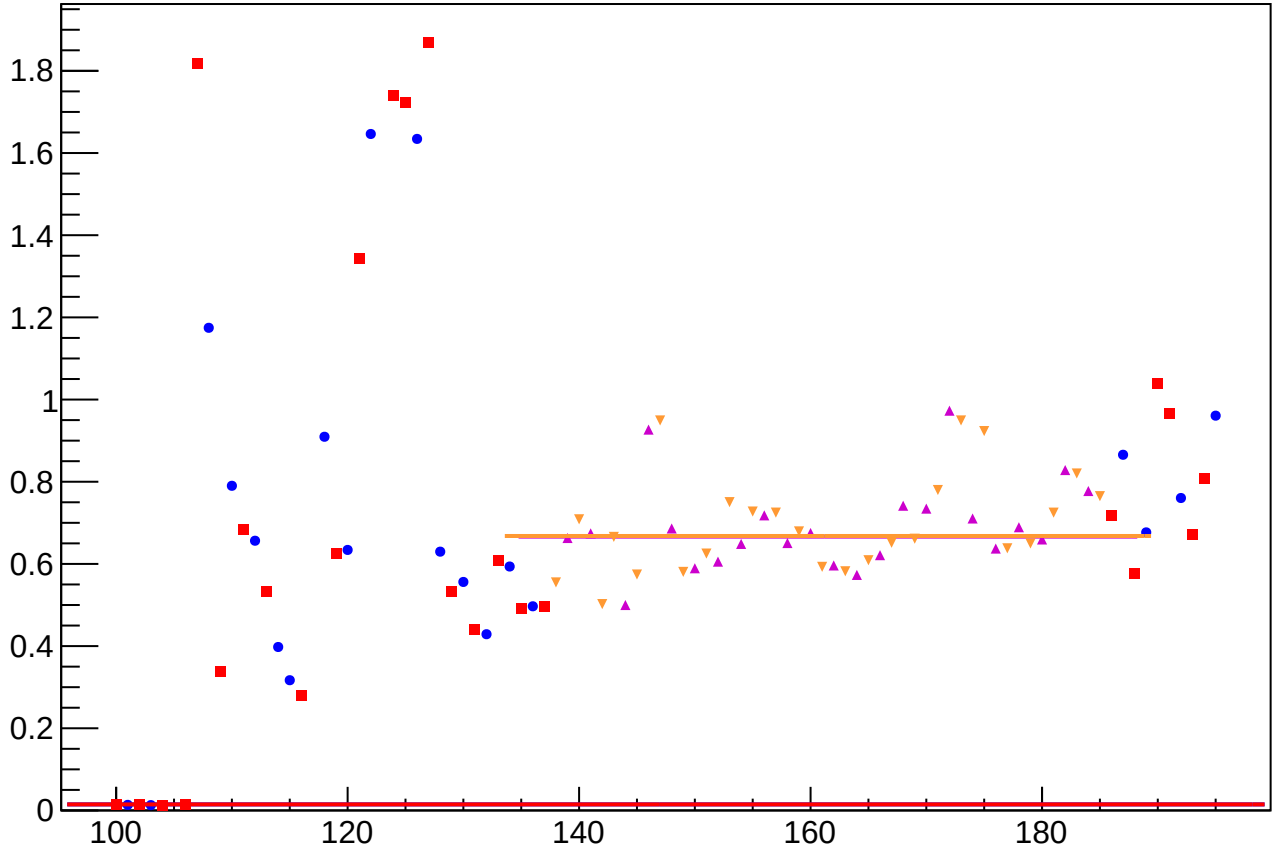
Right: 872.301+/-0.000 χ^2/NDF: 21351394259463.5

In: 869.265+/-0.000 χ^2/NDF:25363242632083.9/4

Out: 869.191+/-0.000 χ^2/NDF:29732028736585.7

All: 869.225+/-0.000 χ^2/NDF: 55095292679

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 13474792.7/19

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 15112122.5/24

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

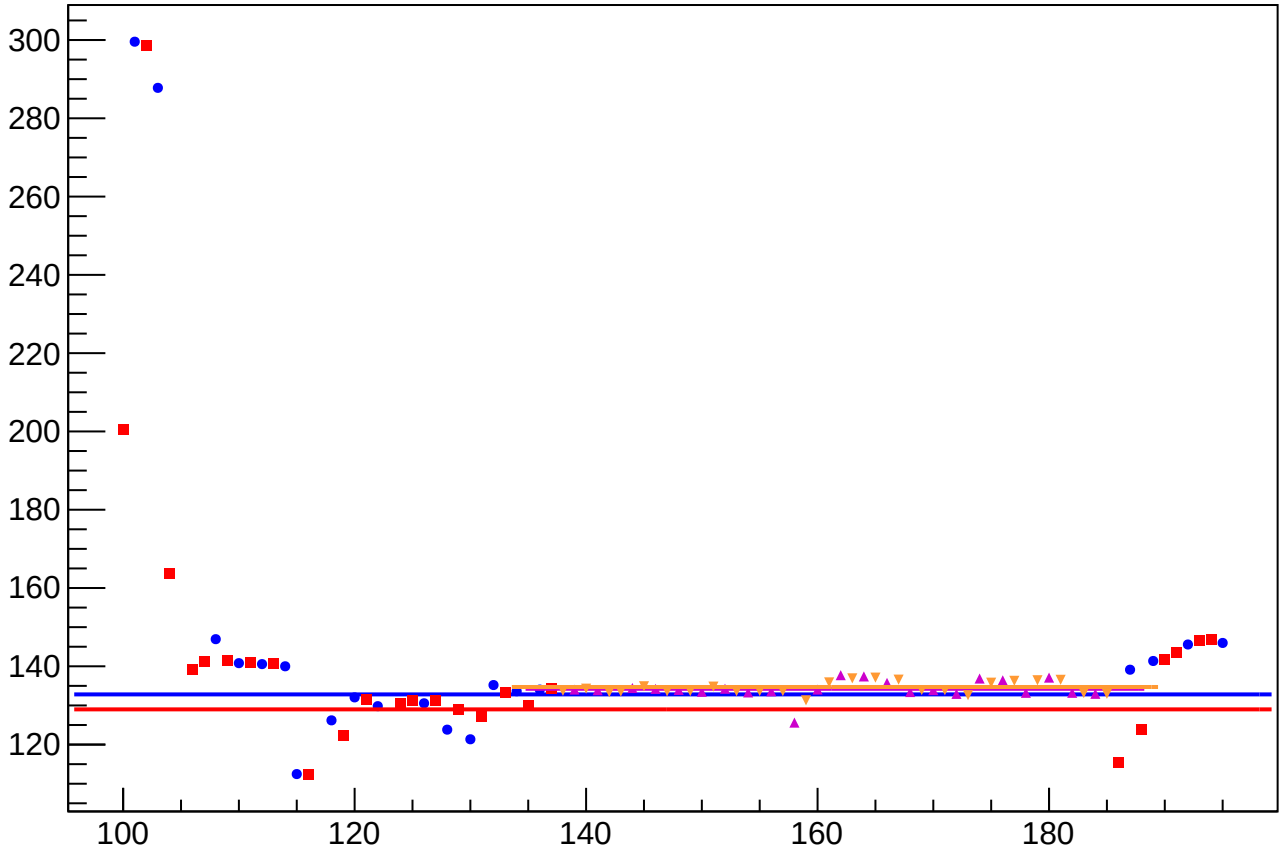
Right: 0.015+/-0.000 χ^2/NDF: 28586918.1/44

In: 0.018+/-0.000 χ^2/NDF:41418598.6/42

Out: 0.017+/-0.000 χ^2/NDF:44589819.7/49

All: 0.018+/-0.000 χ^2/NDF: 86008887.4/92

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 132.821+/-0.000 χ^2/NDF: 2528189159.4/19

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 128.996+/-0.000 χ^2/NDF: 3451641312.2/24

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

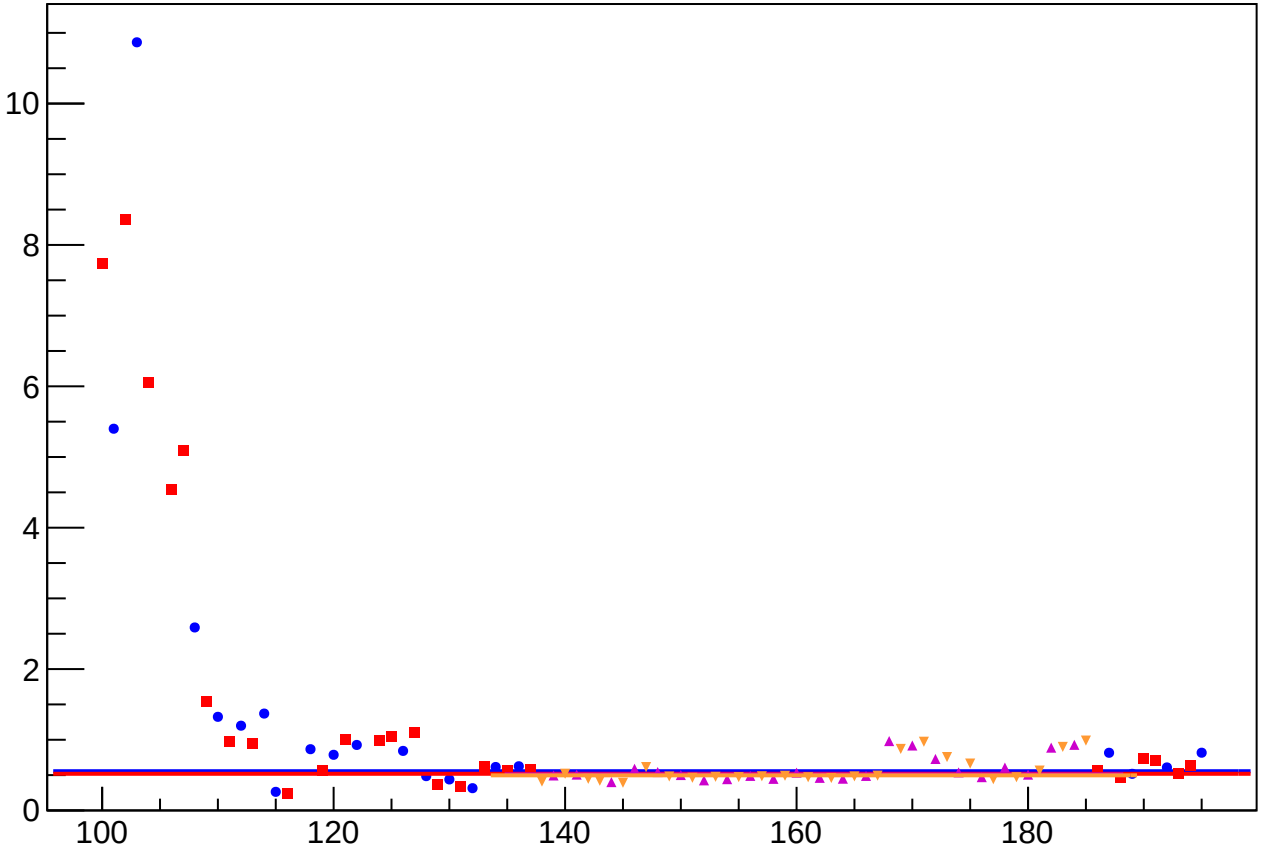
Right: 130.652+/-0.000 χ^2/NDF: 6131394972.1/44

In: 133.918+/-0.000 χ^2/NDF:2998328710.0/42

Out: 133.208+/-0.000 χ^2/NDF:4187618674.5/49

All: 133.538+/-0.000 χ^2/NDF: 7207223930.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.555+/-0.000 χ^2/NDF: 4368892.0/19

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.519+/-0.000 χ^2/NDF: 5033008.8/24

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

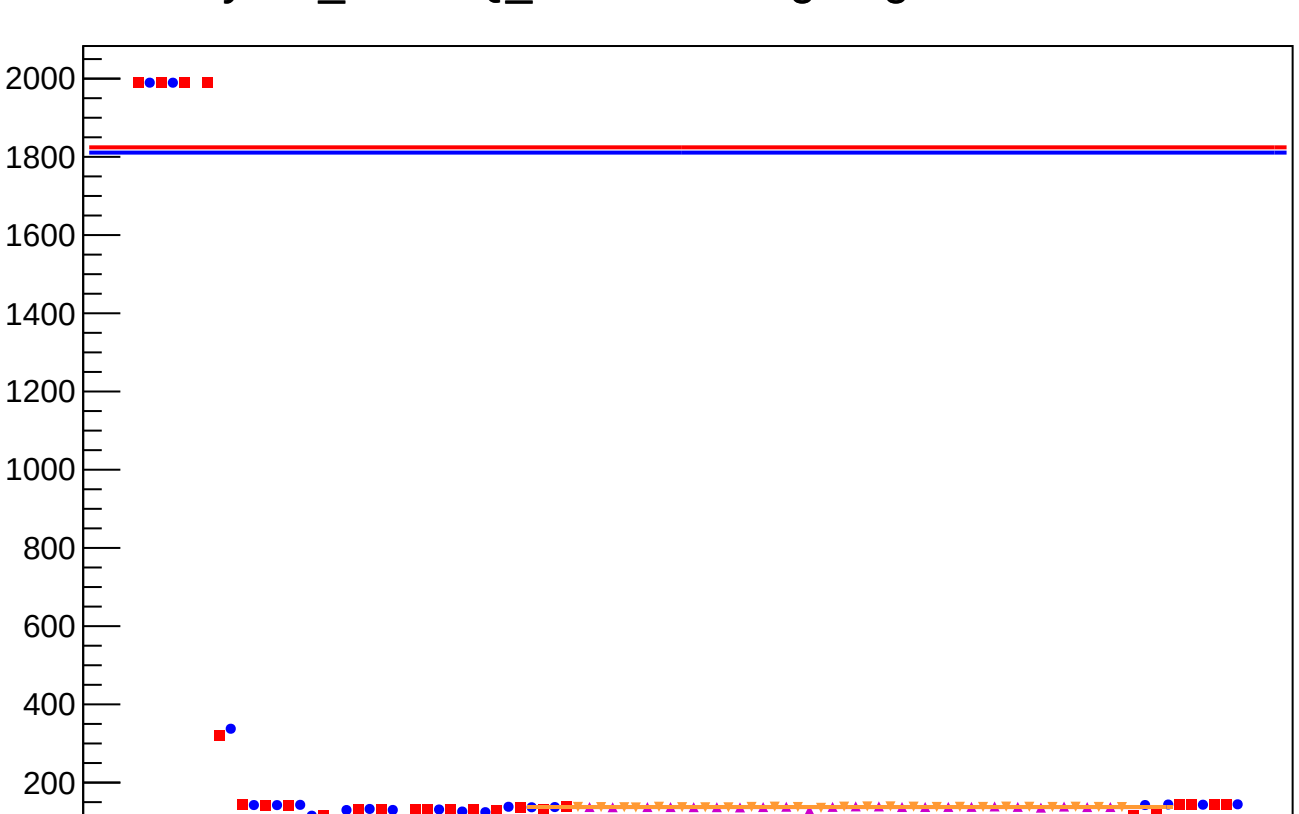
Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.534+/-0.000 χ^2/NDF: 9429293.6/44

In: 0.520+/-0.000 χ^2/NDF:5912463.4/42

Out: 0.503+/-0.000 χ^2/NDF:6622289.0/49

All: 0.511+/-0.000 χ^2/NDF: 12560554.5/92



Right In: 1810.849+/-0.000 χ^2/NDF: 173903440819011.2/19

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1824.343+/-0.000 χ^2/NDF: 190728321819294.1/24

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

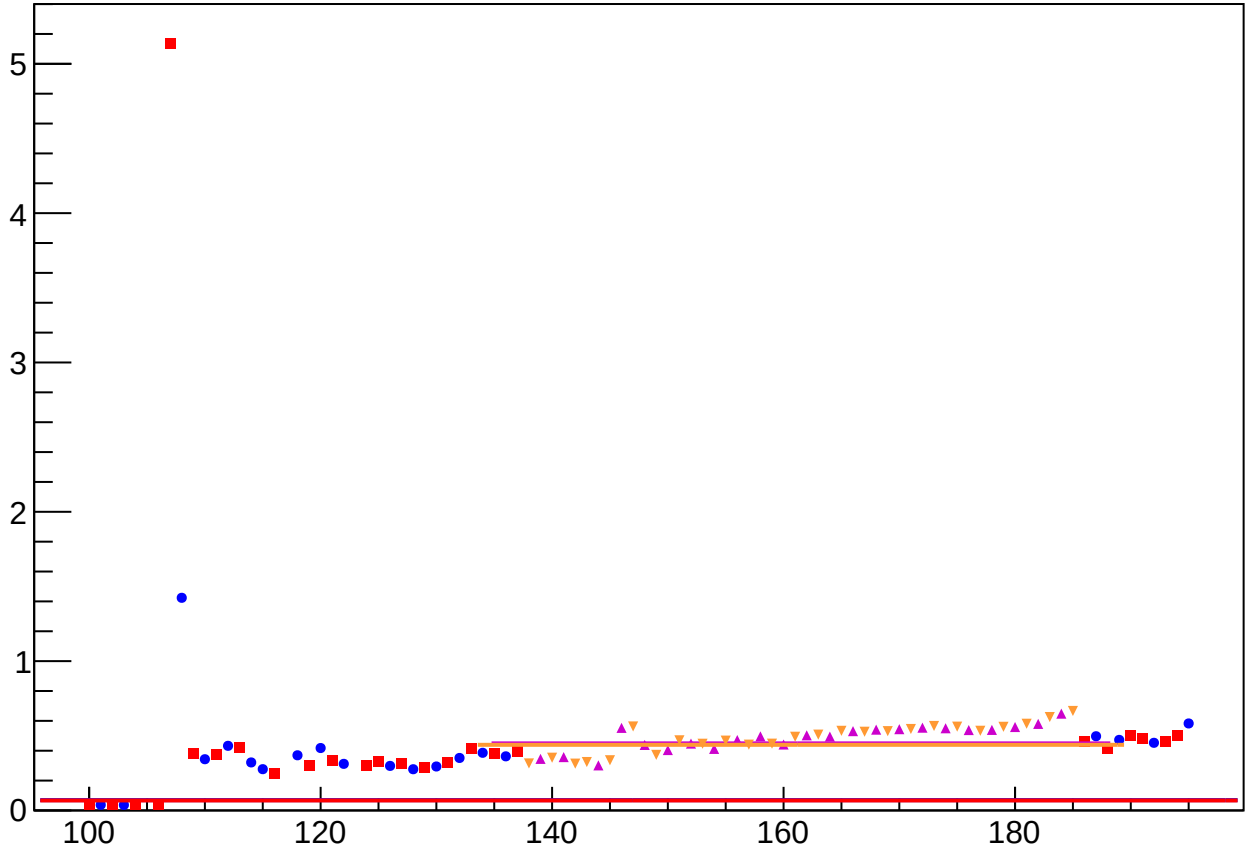
Right: 1818.142+/-0.000 χ^2/NDF: 36468886202187

In: 1597.275+/-0.000 χ^2/NDF:381284839355235.

Out: 1622.317+/-0.000 χ^2/NDF:423250937528451

All: 1610.753+/-0.000 χ^2/NDF: 8047602629

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.069+/-0.000 χ^2/NDF: 11865138.0/19

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.067+/-0.000 χ^2/NDF: 12994502.1/24

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

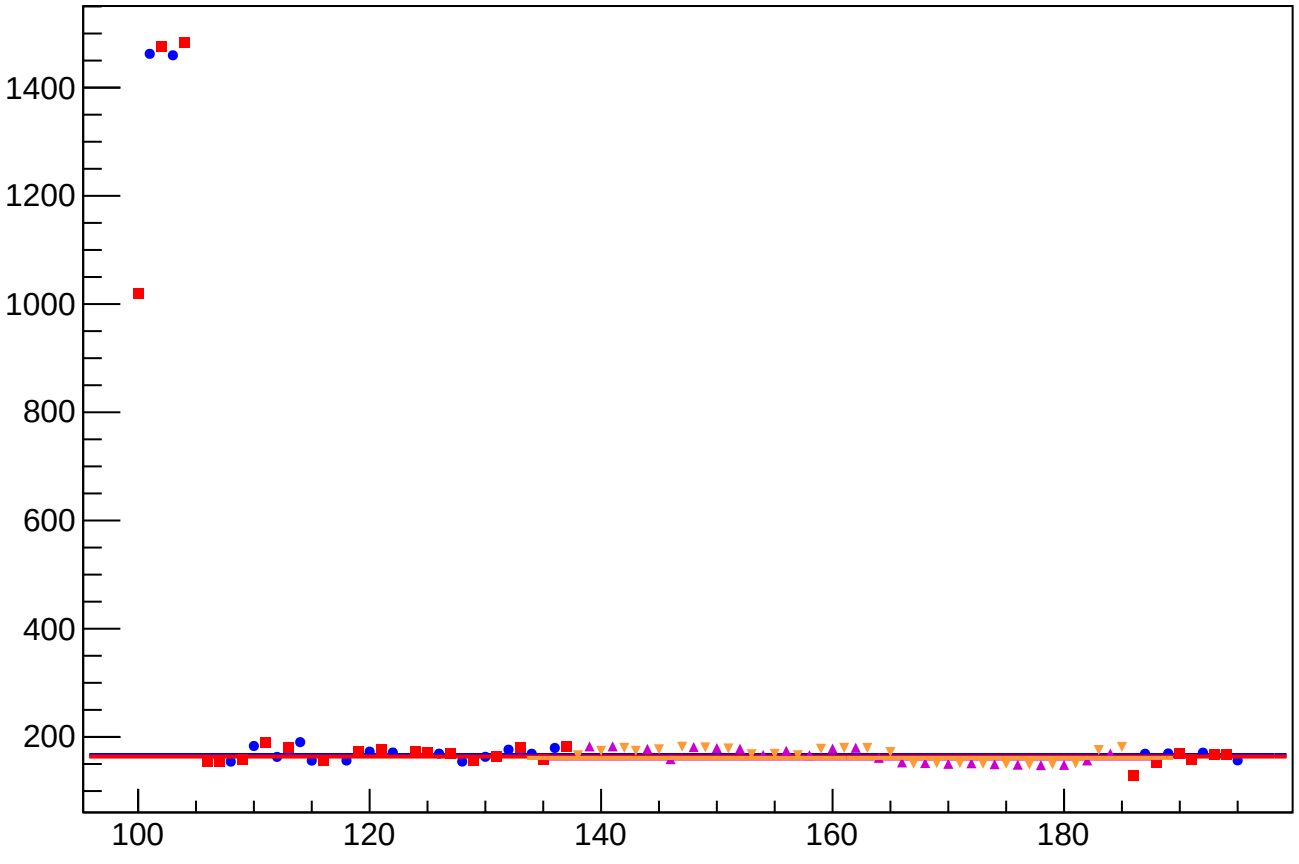
Right: 0.068+/-0.000 χ^2/NDF: 24862552.7/44

In: 0.118+/-0.000 χ^2/NDF:34604806.2/42

Out: 0.112+/-0.000 χ^2/NDF:37448036.2/49

All: 0.114+/-0.000 χ^2/NDF: 72078991.7/92

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 166.637+/-0.000 χ^2/NDF: 14736884995.5/19

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 163.723+/-0.000 χ^2/NDF: 17353275534.9/24

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

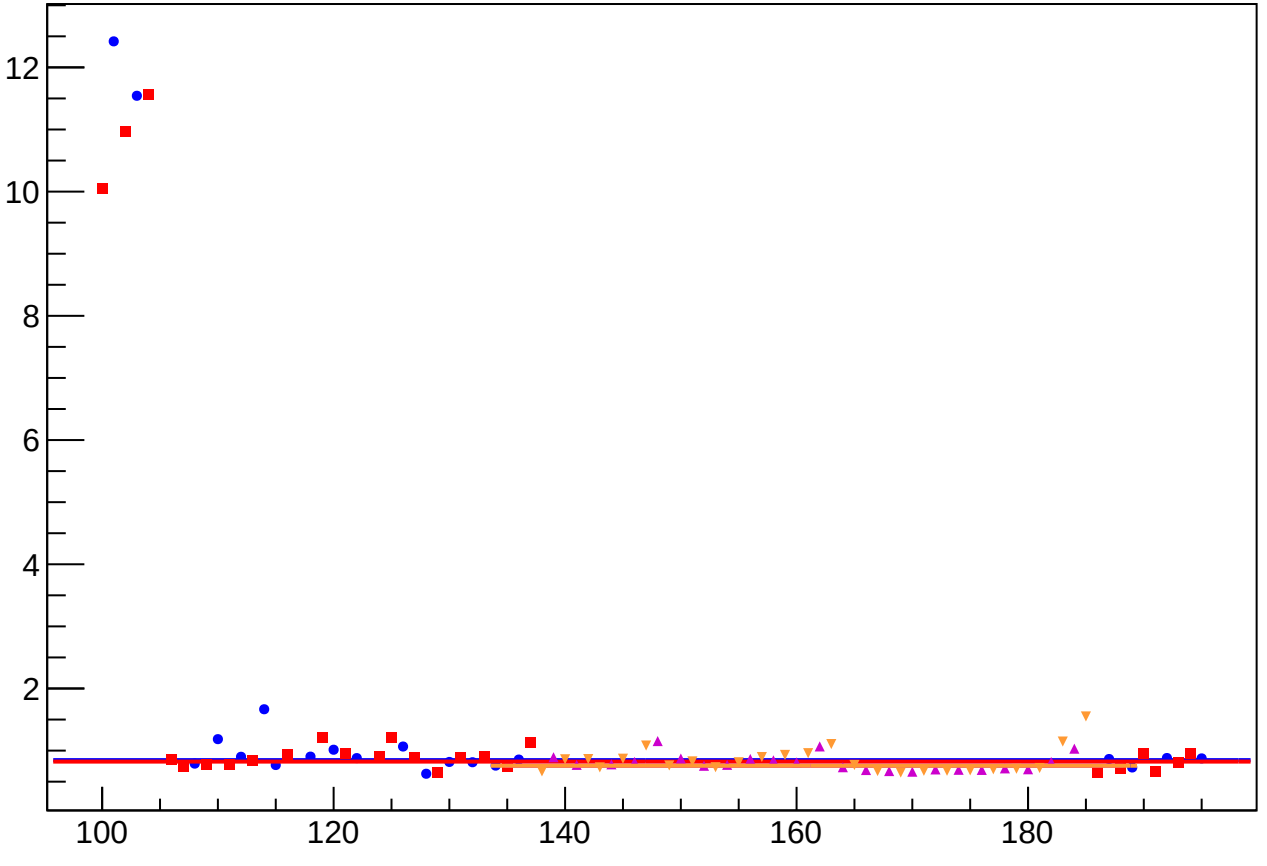
Right: 165.032+/-0.000 χ^2/NDF: 32128931801.2/44

In: 161.829+/-0.000 χ^2/NDF:18734239086.5/42

Out: 161.902+/-0.000 χ^2/NDF:21139982706.8/49

All: 161.867+/-0.000 χ^2/NDF: 39874309723.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.847+/-0.000 χ^2/NDF: 2329485.9/19

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.823+/-0.000 χ^2/NDF: 2371684.3/24

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

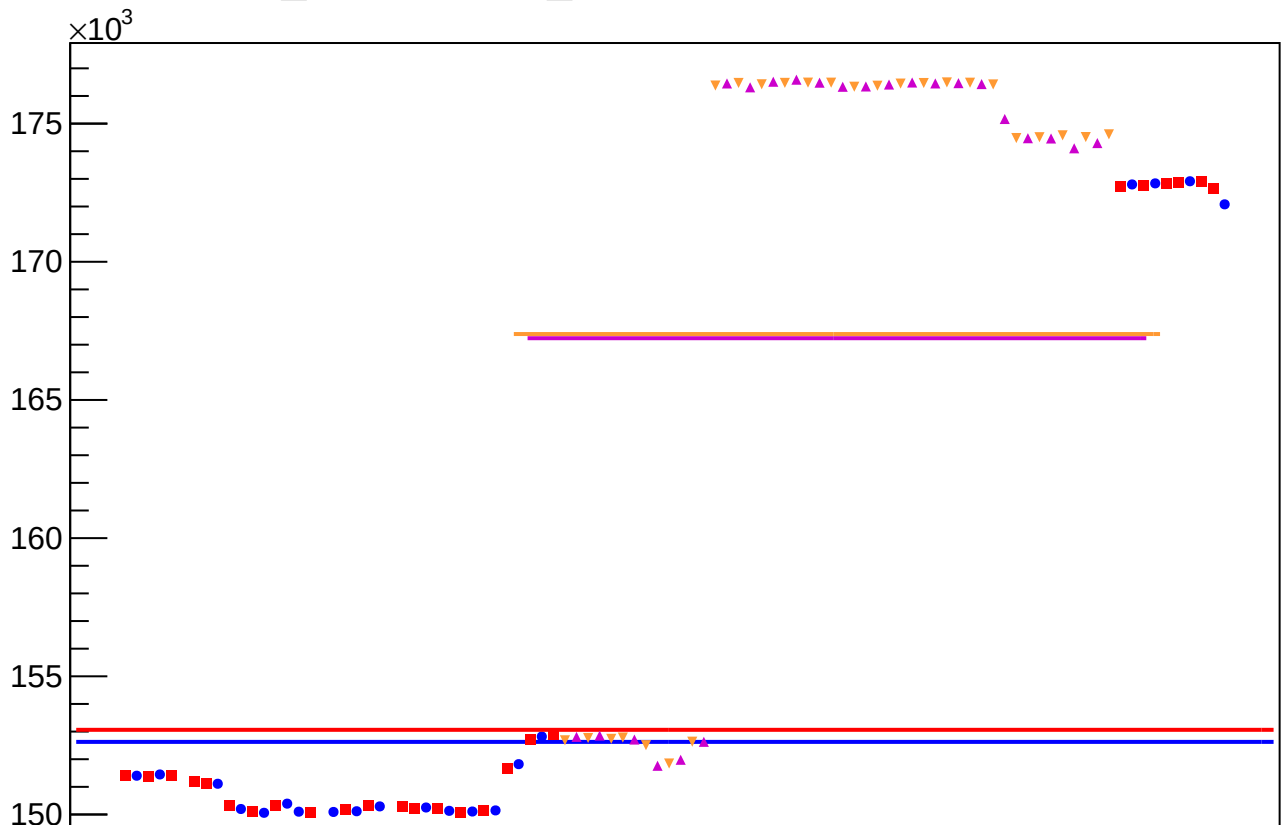
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.834+/-0.000 χ^2/NDF: 4706476.7/44

In: 0.779+/-0.000 χ^2/NDF:2905416.2/42

Out: 0.776+/-0.000 χ^2/NDF:3185882.2/49

All: 0.778+/-0.000 χ^2/NDF: 6091688.7/92



Right In: 152627.183+/-0.052 χ^2/NDF: 15452838321.9/19

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153063.735+/-0.048 χ^2/NDF: 21581237330.1/24

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

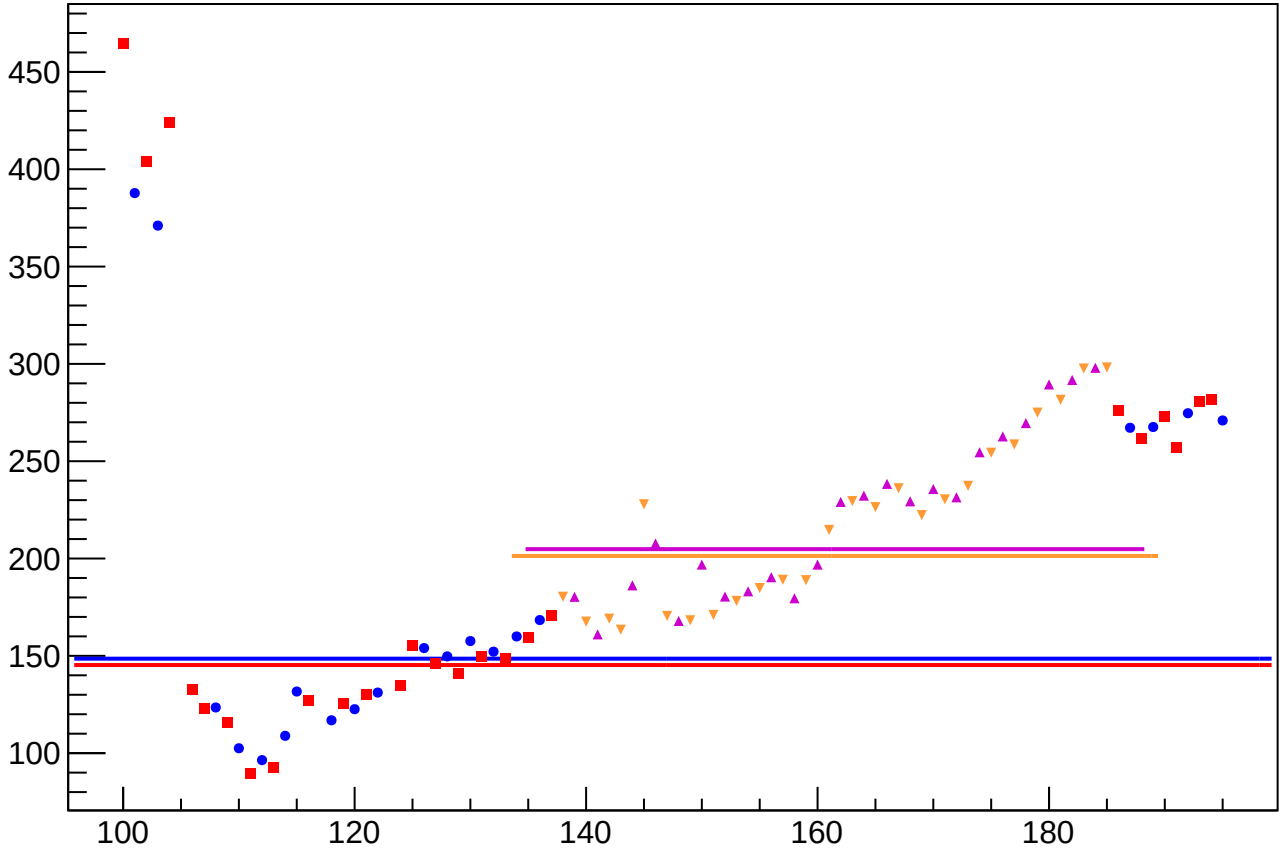
Right: 152862.771+/-0.035 χ^2/NDF: 37072114382.

In: 160383.113+/-0.036 χ^2/NDF:112453927228.2

Out: 160419.886+/-0.033 χ^2/NDF:126862842491.

All: 160402.626+/-0.024 χ^2/NDF: 23931733

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 148.546+/-0.037 χ^2/NDF: 2565703.2/19

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 145.267+/-0.034 χ^2/NDF: 3401488.3/24

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

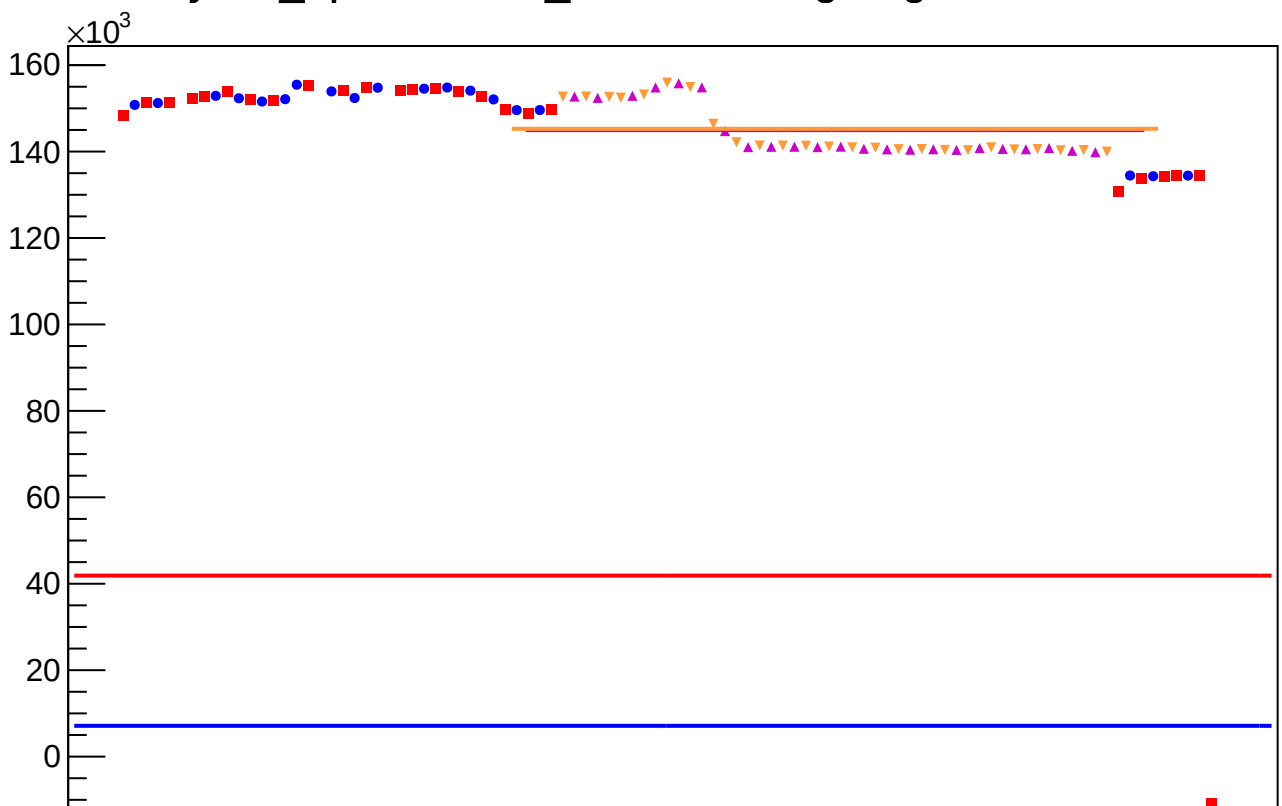
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 146.777+/-0.025 χ^2/NDF: 5971483.2/44

In: 178.429+/-0.025 χ^2/NDF:4862900.4/42

Out: 174.062+/-0.024 χ^2/NDF:6031990.6/49

All: 176.112+/-0.017 χ^2/NDF: 10910849.2/92



Right In: 7123.584+/-0.024 χ^2/NDF: 5218569965159.4/19

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 41878.284+/-0.035 χ^2/NDF: 4746472266469.2/24

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

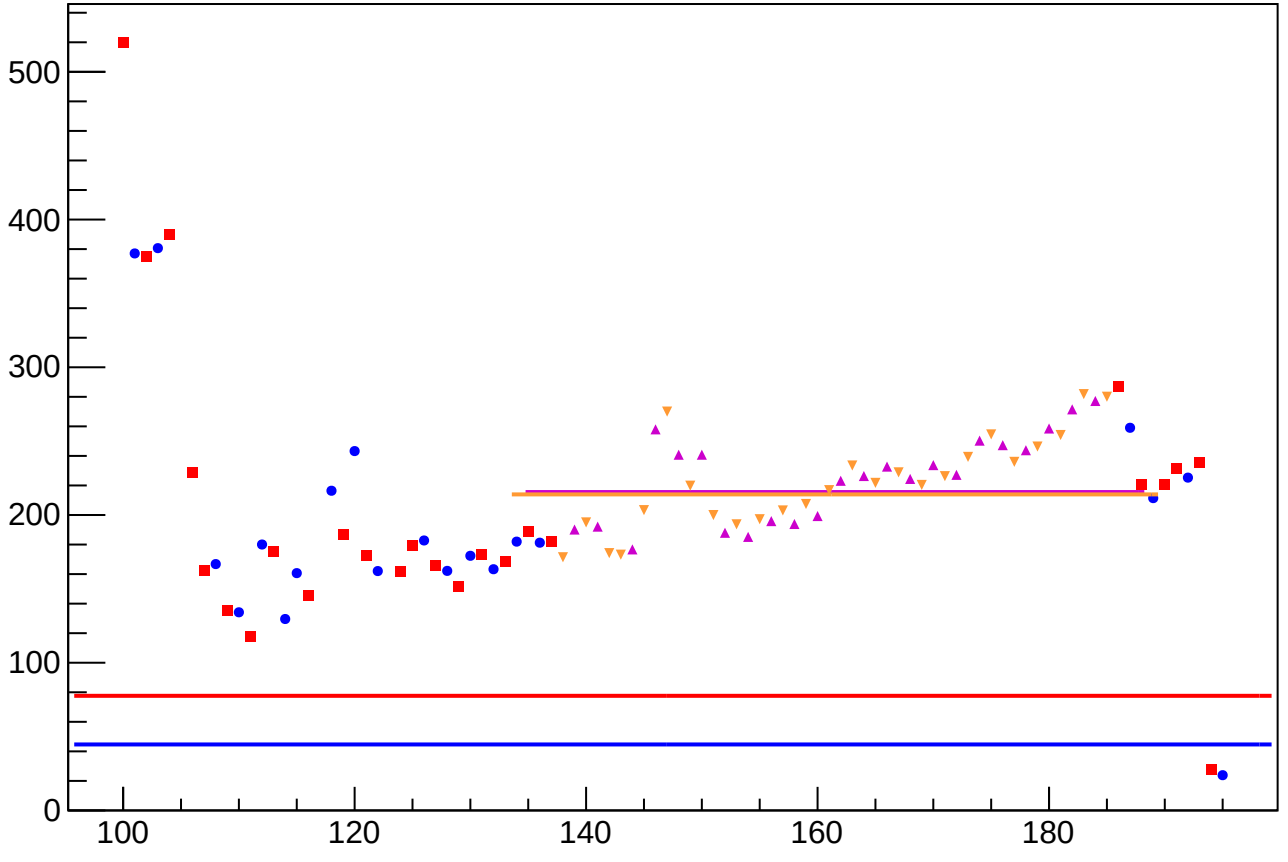
Right: 18328.431+/-0.020 χ^2/NDF: 1064782099983

In: 31751.659+/-0.022 χ^2/NDF:11183891825614.

Out: 75947.395+/-0.028 χ^2/NDF:7698668279854.

All: 48025.559+/-0.017 χ^2/NDF: 204179325

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 44.678+/-0.017 χ^2/NDF: 11424516.6/19

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 77.603+/-0.024 χ^2/NDF: 10023479.0/24

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

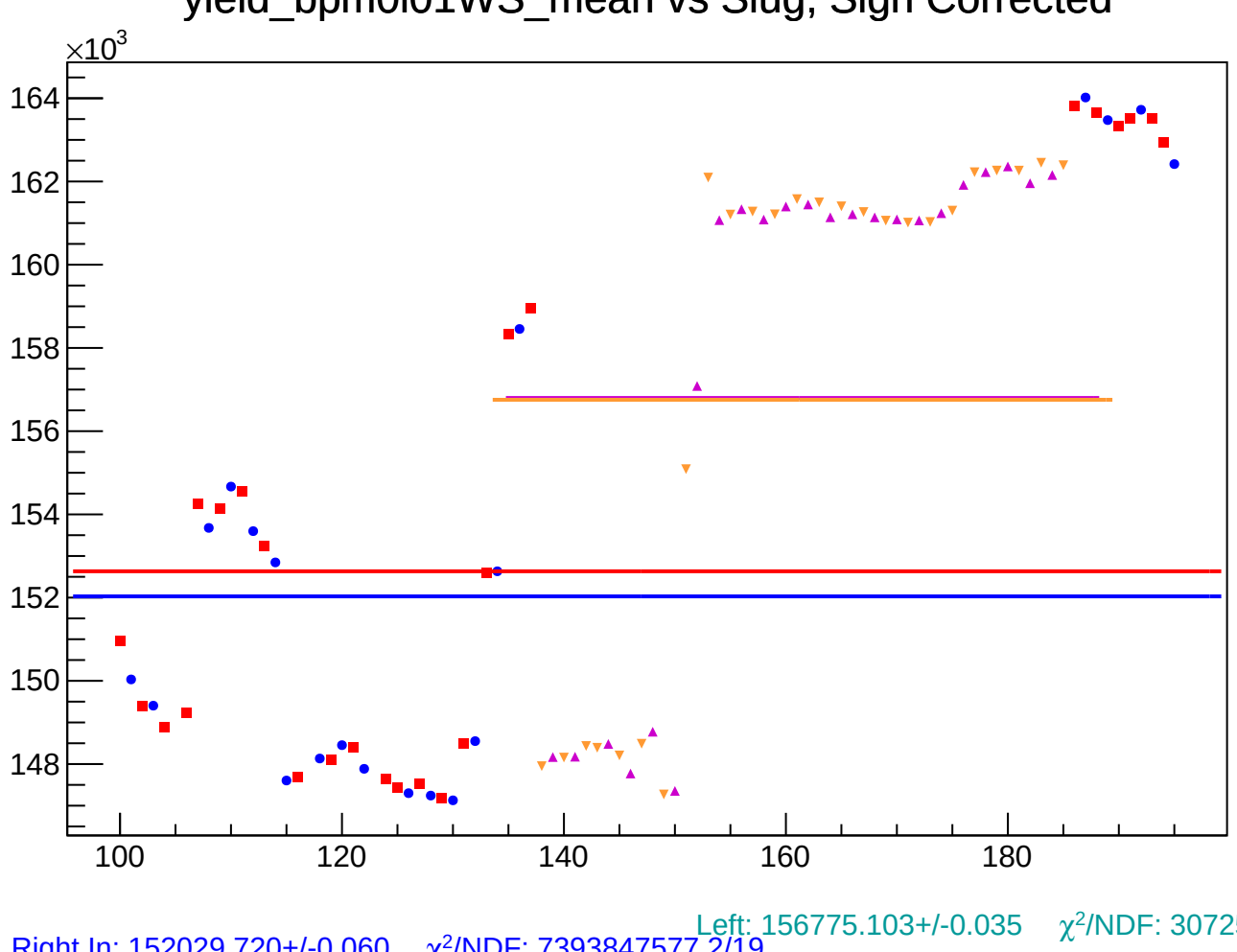
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 55.293+/-0.014 χ^2/NDF: 22673504.1/44

In: 75.206+/-0.015 χ^2/NDF:30315280.5/42

Out: 122.532+/-0.020 χ^2/NDF:20894855.9/49

All: 92.632+/-0.012 χ^2/NDF: 54731267.9/92



Right In: 152029.720+/-0.060 χ^2/NDF: 7393847577.2/19

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 152632.975+/-0.056 χ^2/NDF: 8849342749.8/24

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

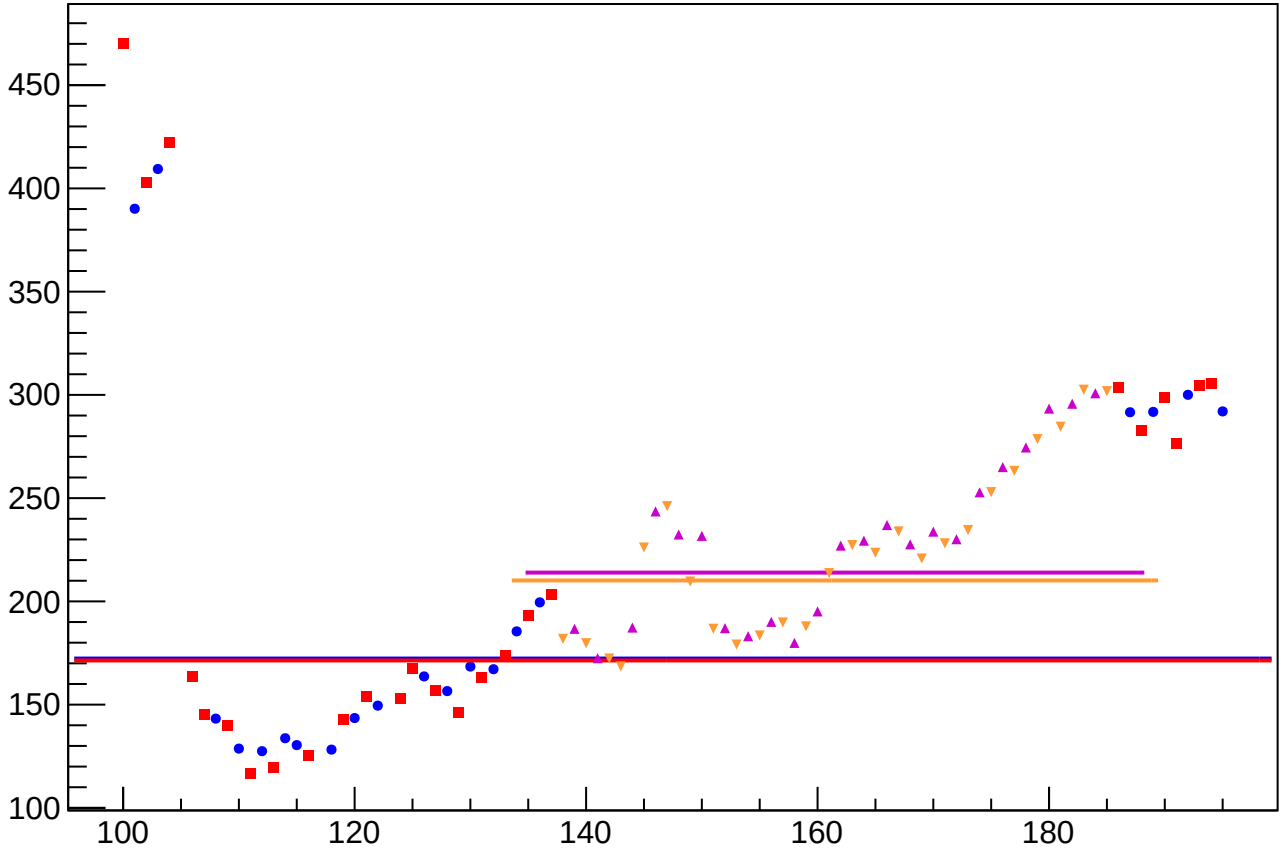
Right: 152349.776+/-0.041 χ^2/NDF: 16297635692.7

In: 154782.678+/-0.039 χ^2/NDF:25439608395.1/4

Out: 154982.680+/-0.037 χ^2/NDF:28316261961.6

All: 154887.947+/-0.027 χ^2/NDF: 53769917

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 172.309+/-0.042 χ^2/NDF: 2176230.6/19

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 171.404+/-0.040 χ^2/NDF: 2744486.7/24

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

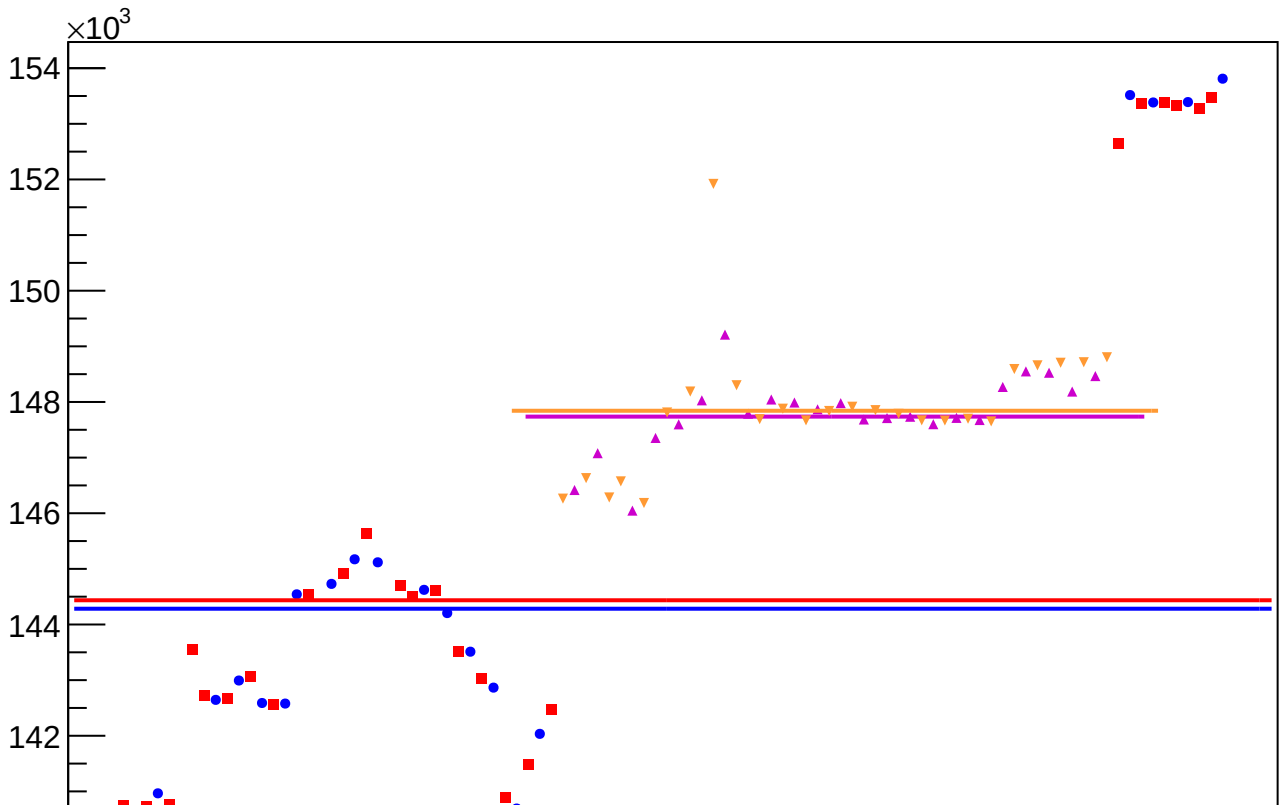
Right: 171.829+/-0.029 χ^2/NDF: 4920962.9/44

In: 196.348+/-0.027 χ^2/NDF:3655157.8/42

Out: 193.490+/-0.026 χ^2/NDF:4287629.7/49

All: 194.844+/-0.019 χ^2/NDF: 7948523.1/92

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 144283.589+/-0.051 χ^2/NDF: 4051576105.3/19

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 144435.743+/-0.047 χ^2/NDF: 5274961661.6/24

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

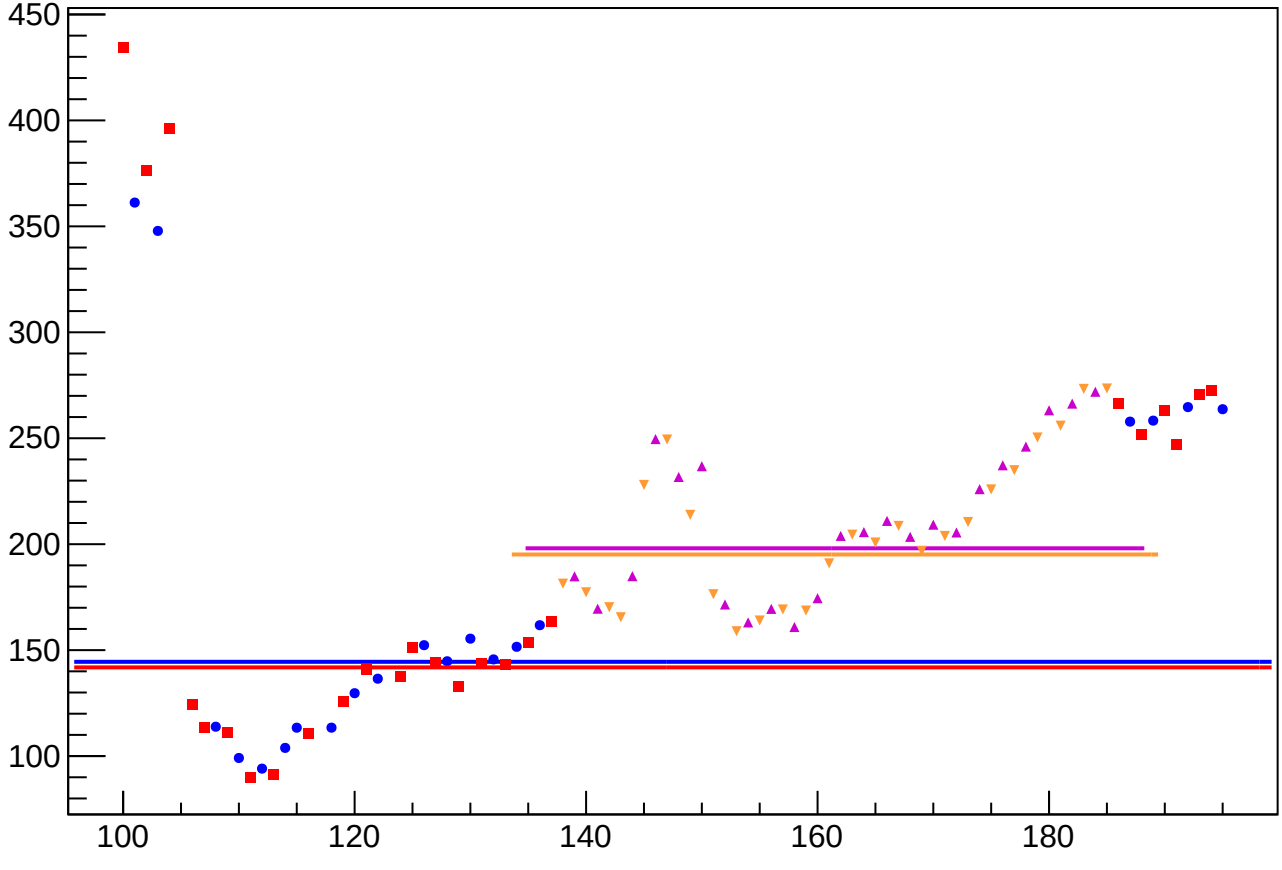
Right: 144365.584+/-0.034 χ^2/NDF: 9331418770.7/

In: 146129.207+/-0.034 χ^2/NDF:6772051021.2/42

Out: 146199.547+/-0.032 χ^2/NDF:8735215350.6/4

All: 146166.497+/-0.024 χ^2/NDF: 15509470

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 144.491+/-0.036 χ^2/NDF: 2513994.3/19

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 141.857+/-0.033 χ^2/NDF: 3284716.1/24

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

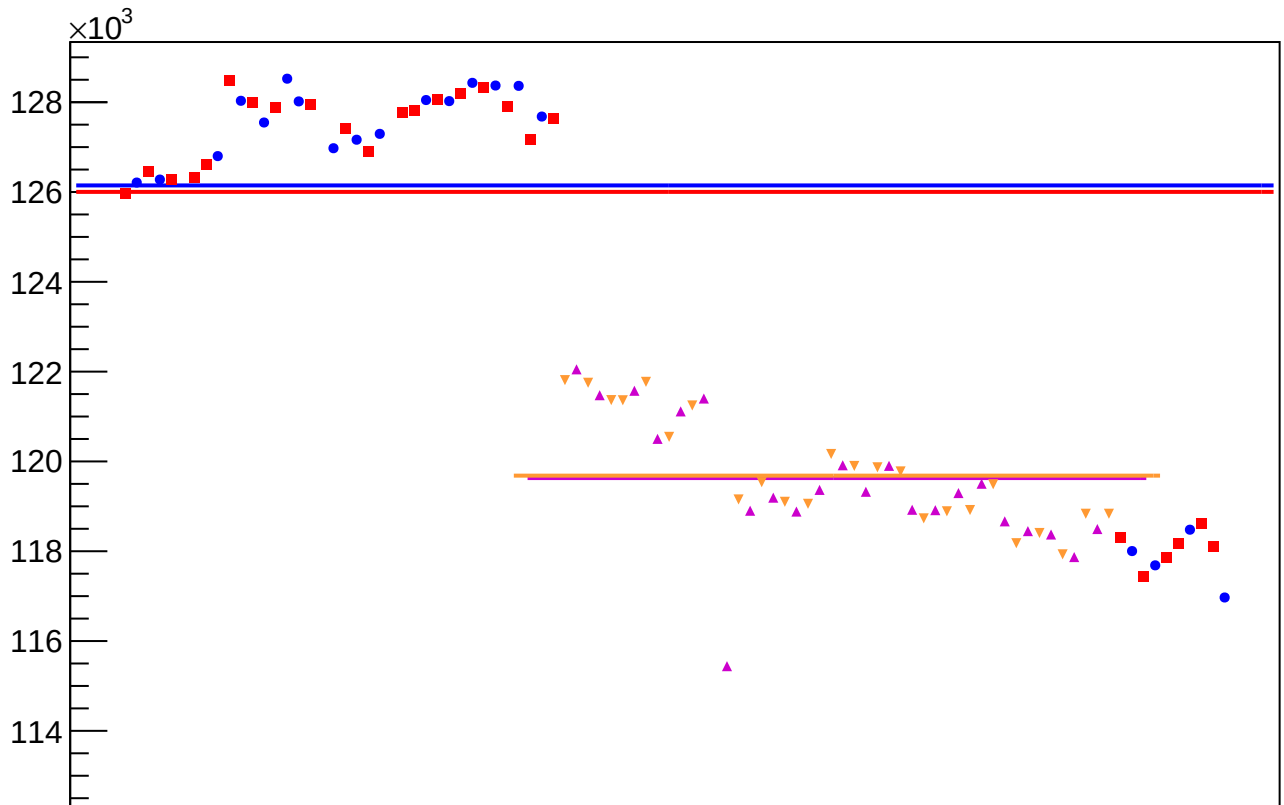
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 143.071+/-0.024 χ^2/NDF: 5801634.5/44

In: 173.120+/-0.024 χ^2/NDF:4614341.4/42

Out: 169.449+/-0.023 χ^2/NDF:5533289.6/49

All: 171.174+/-0.017 χ^2/NDF: 10159640.0/92



Right In: 126146.803+/-0.054 χ^2/NDF: 4676966880.5/19

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 126002.884+/-0.050 χ^2/NDF: 5713871965.1/24

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

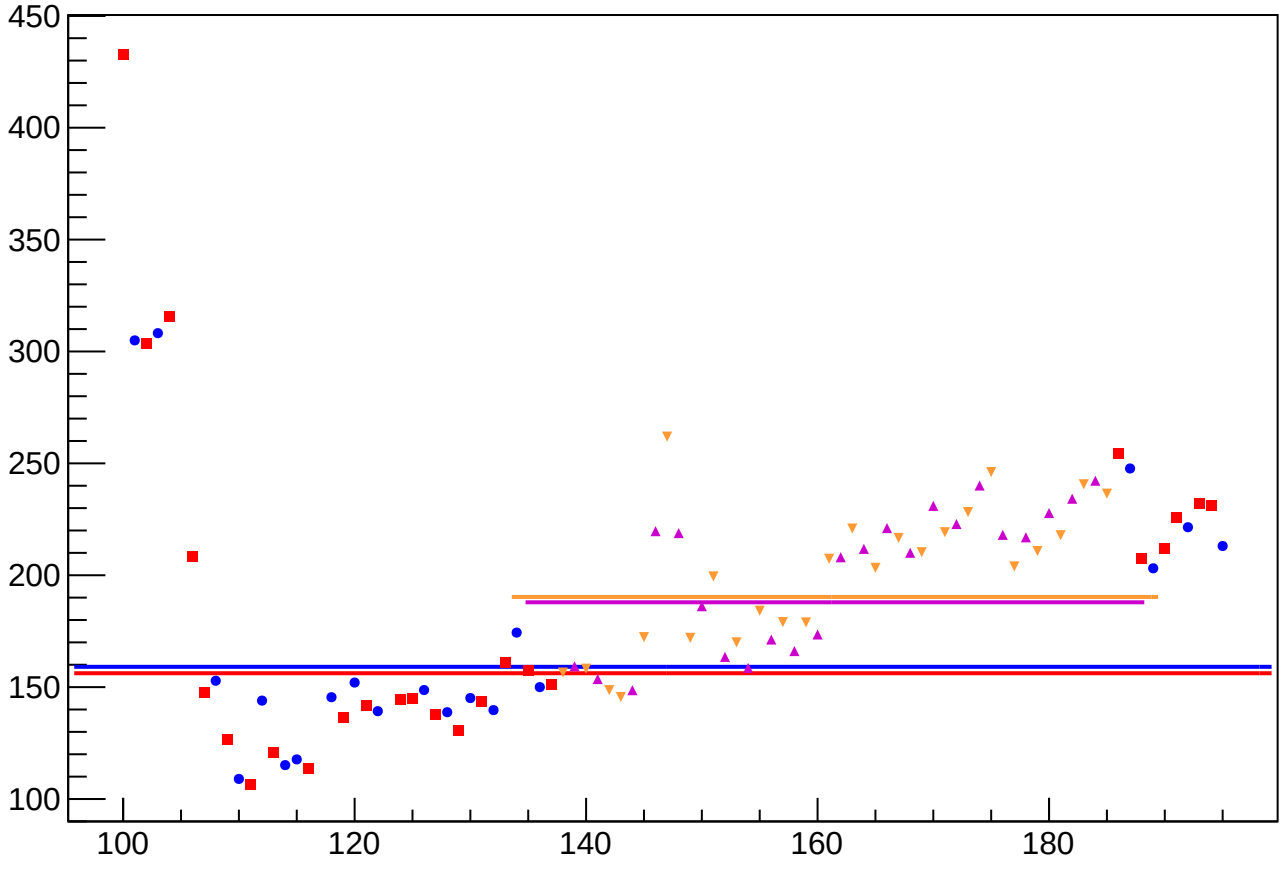
Right: 126069.477+/-0.036 χ^2/NDF: 10394704699.

In: 122319.934+/-0.034 χ^2/NDF:14657951190.8/4

Out: 122473.156+/-0.033 χ^2/NDF:16697187991.3

All: 122399.698+/-0.024 χ^2/NDF: 31365423

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 159.076+/-0.038 χ^2/NDF: 1251071.7/19

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 156.207+/-0.035 χ^2/NDF: 1830026.7/24

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

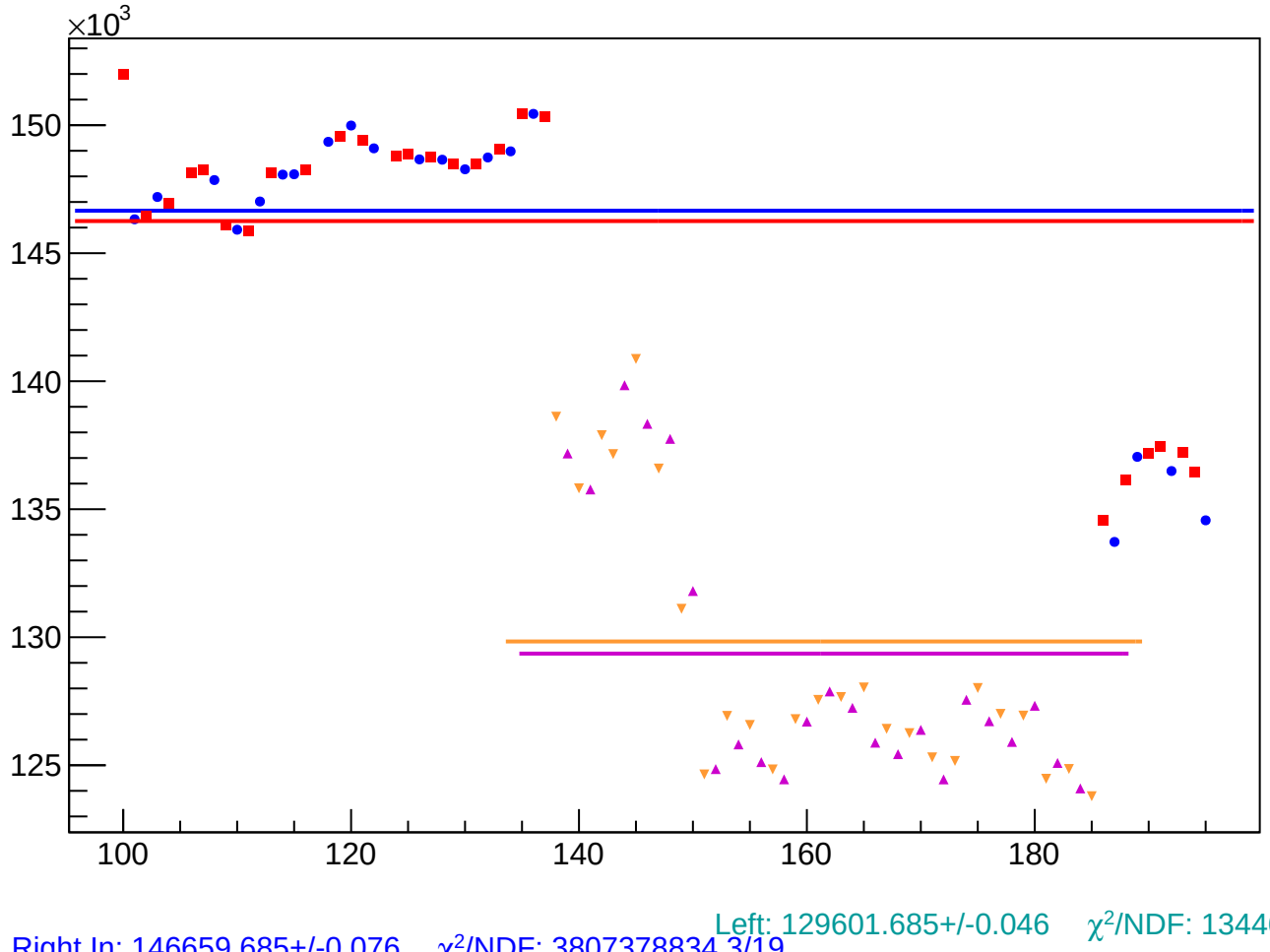
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 157.535+/-0.026 χ^2/NDF: 3084169.8/44

In: 176.006+/-0.024 χ^2/NDF:2516263.1/42

Out: 175.249+/-0.023 χ^2/NDF:3278239.6/49

All: 175.612+/-0.017 χ^2/NDF: 5795005.6/92



Right In: 146659.685+/-0.076 χ^2/NDF: 3807378834.3/19

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 146255.444+/-0.070 χ^2/NDF: 4408435138.1/24

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

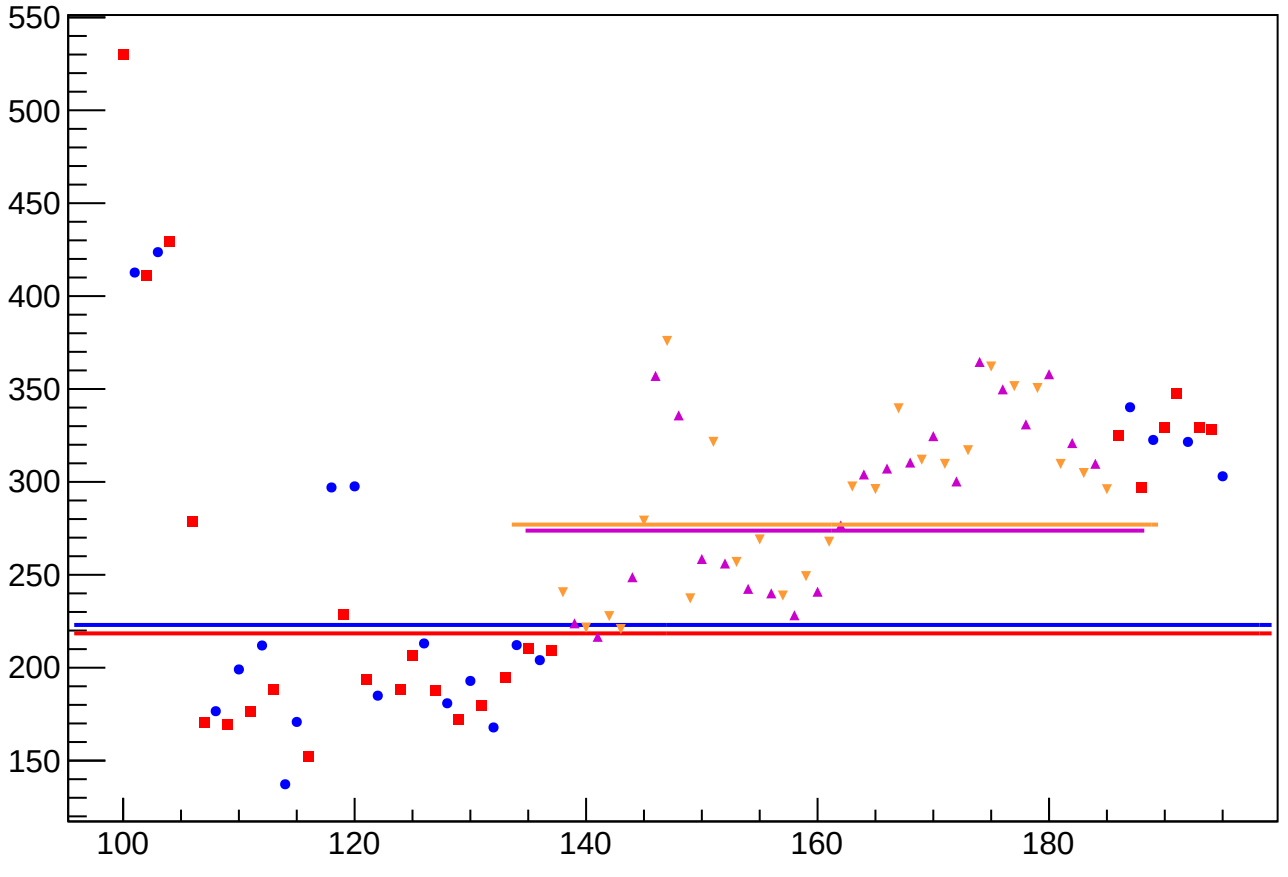
Right: 146440.960+/-0.051 χ^2/NDF: 8231230224.1/

In: 136744.327+/-0.049 χ^2/NDF:40340660798.4/4

Out: 137365.977+/-0.047 χ^2/NDF:41209566494.9

All: 137069.558+/-0.034 χ^2/NDF: 816328165

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 223.019+/-0.054 χ^2/NDF: 1493750.6/19

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 218.471+/-0.049 χ^2/NDF: 1791860.6/24

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

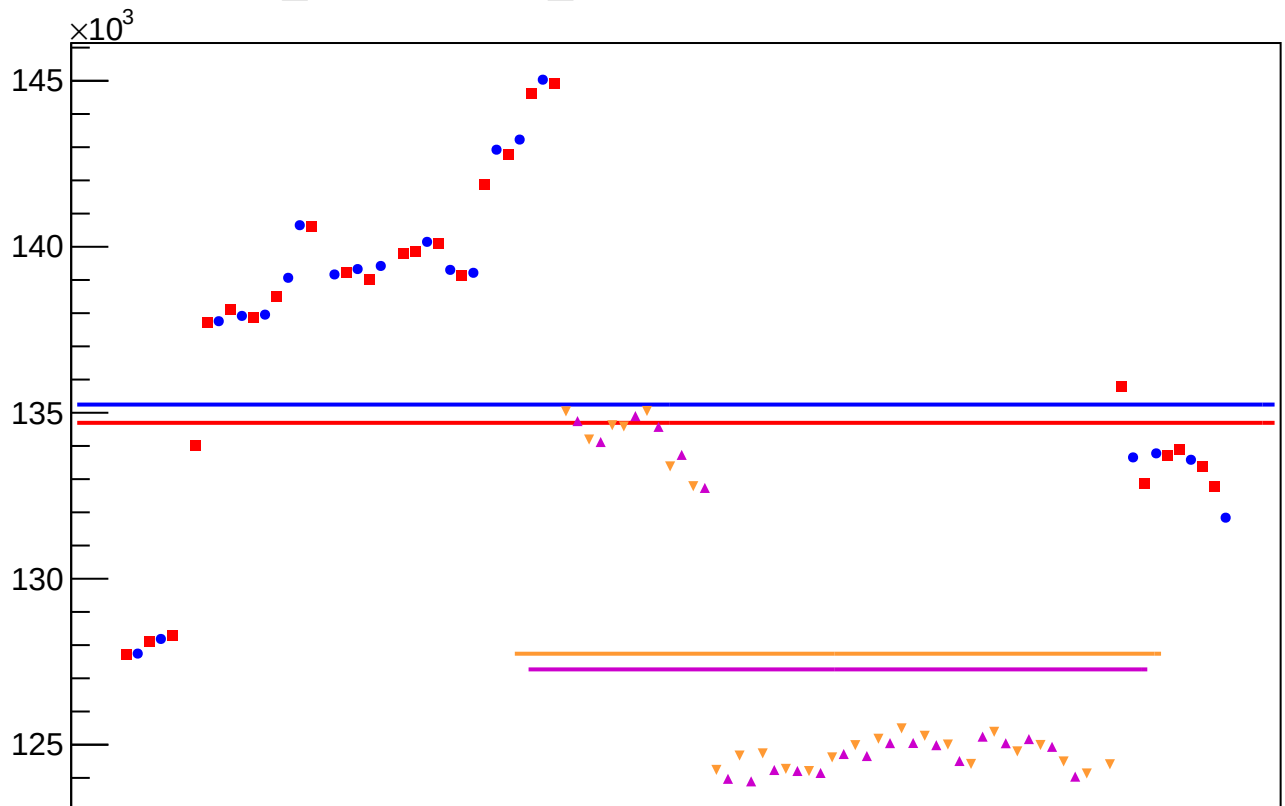
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 220.558+/-0.036 χ^2/NDF: 3289513.6/44

In: 252.116+/-0.035 χ^2/NDF:3012769.7/42

Out: 250.167+/-0.033 χ^2/NDF:3501451.7/49

All: 251.096+/-0.024 χ^2/NDF: 6515845.5/92



Right In: 135246.763+/-0.138 χ^2/NDF: 1732184369.1/19

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 134696.369+/-0.131 χ^2/NDF: 1272887824.8/24

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

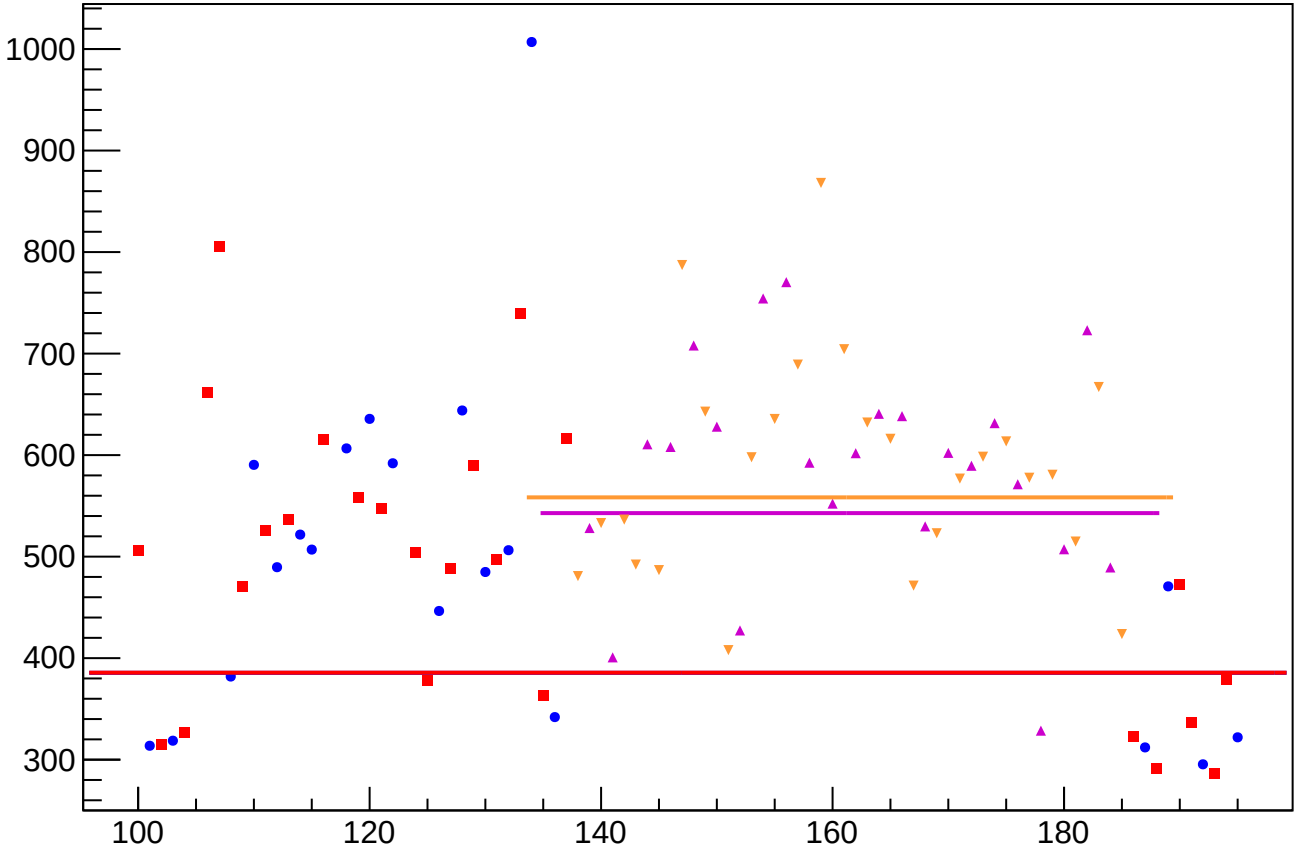
Right: 134957.282+/-0.095 χ^2/NDF: 3013494755.8/

In: 131288.316+/-0.098 χ^2/NDF:4373068912.0/42

Out: 131349.369+/-0.094 χ^2/NDF:3730757005.2/4

All: 131319.982+/-0.068 χ^2/NDF: 81040287

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 385.540+/-0.097 χ^2/NDF: 1315055.9/19

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 385.681+/-0.092 χ^2/NDF: 1453832.3/24

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

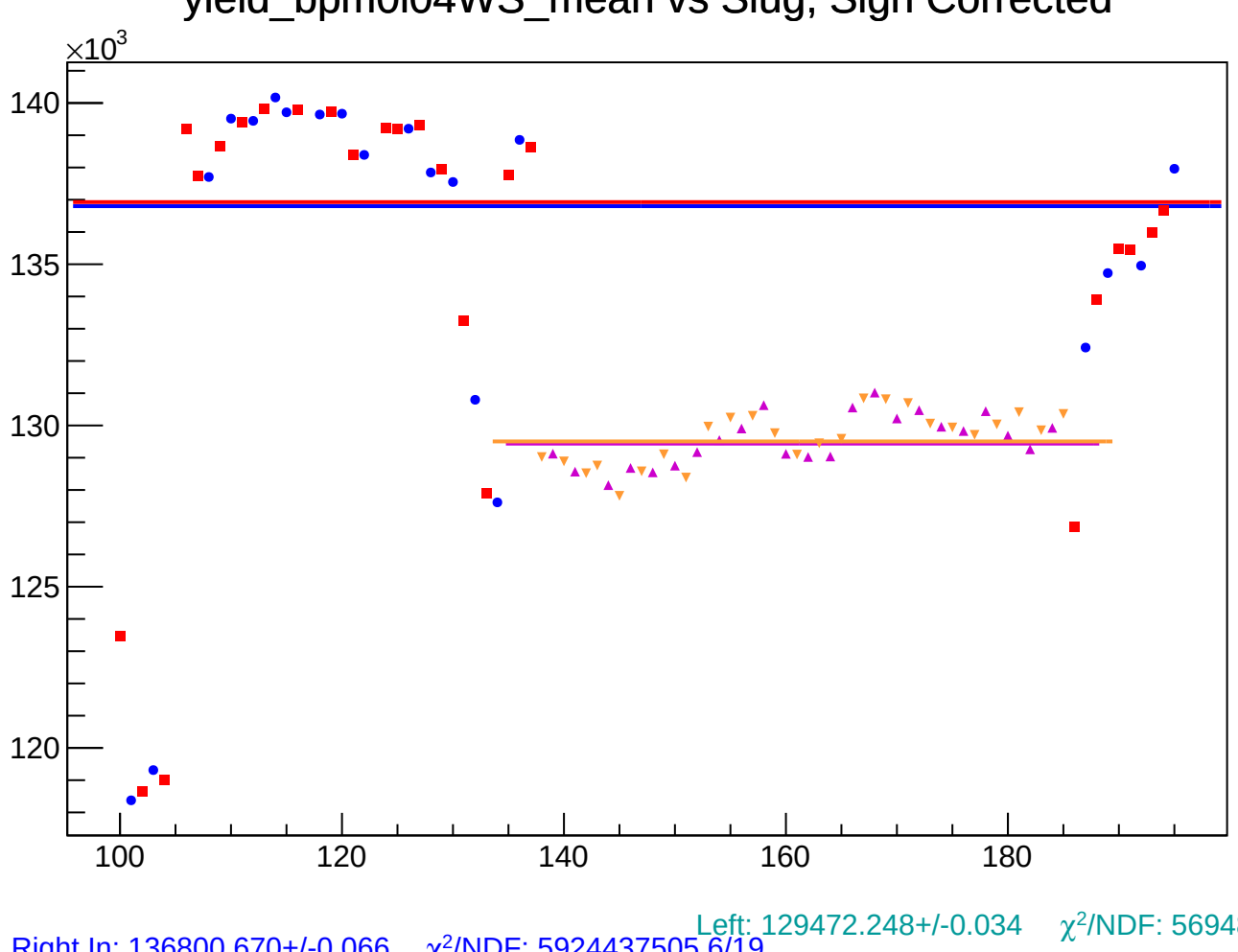
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 385.614+/-0.067 χ^2/NDF: 2768889.3/44

In: 463.601+/-0.069 χ^2/NDF:4030219.6/42

Out: 468.784+/-0.067 χ^2/NDF:4105546.8/49

All: 466.289+/-0.048 χ^2/NDF: 8138689.7/92



Right In: 136800.670+/-0.066 χ^2/NDF: 5924437505.6/19

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136927.462+/-0.061 χ^2/NDF: 6294495539.0/24

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

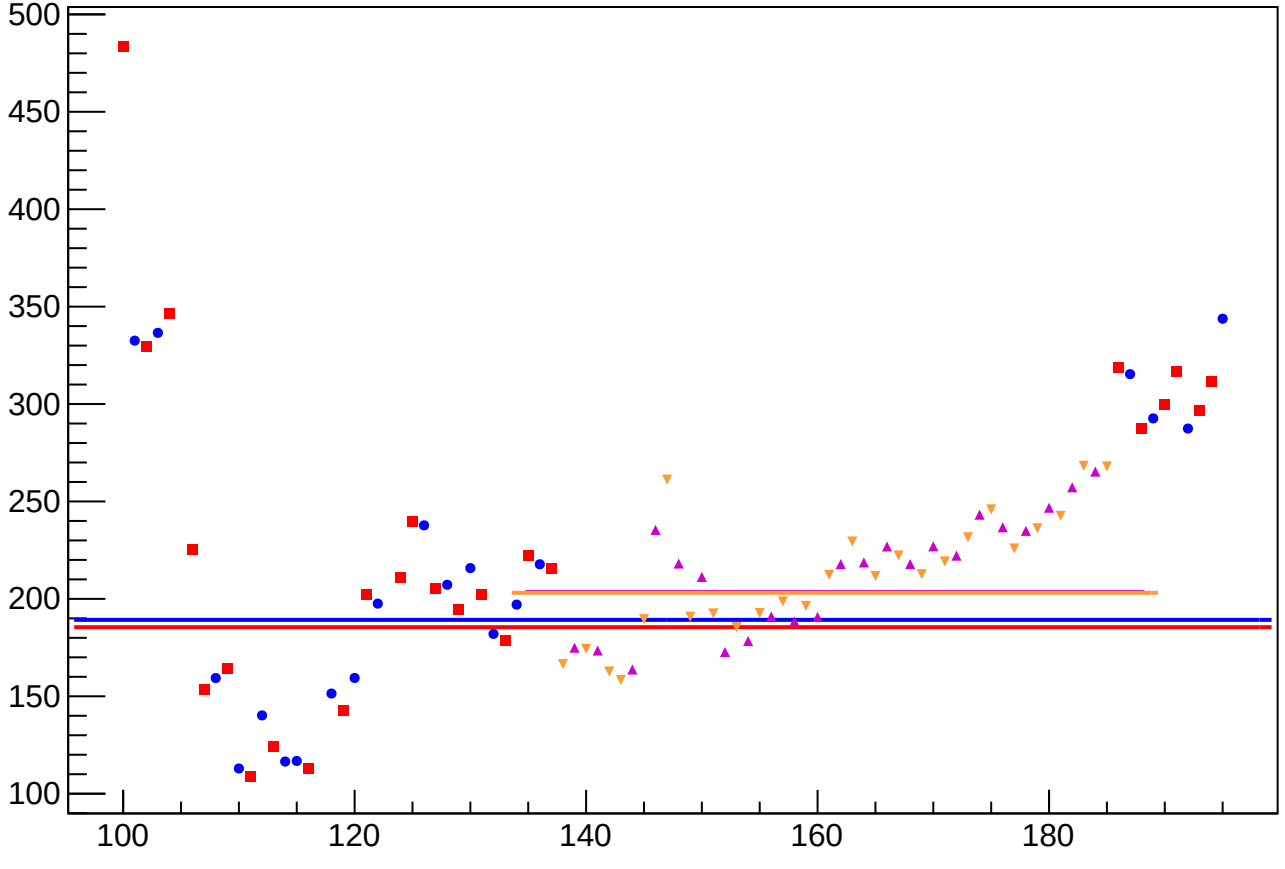
Right: 136868.974+/-0.045 χ^2/NDF: 1220947422.5

In: 132036.651+/-0.039 χ^2/NDF:14352500569.6/4

Out: 132288.307+/-0.037 χ^2/NDF:15947498643.4

All: 132168.432+/-0.027 χ^2/NDF: 30321851

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 189.234+/-0.046 χ^2/NDF: 2046836.8/19

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 185.465+/-0.043 χ^2/NDF: 2682191.9/24

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

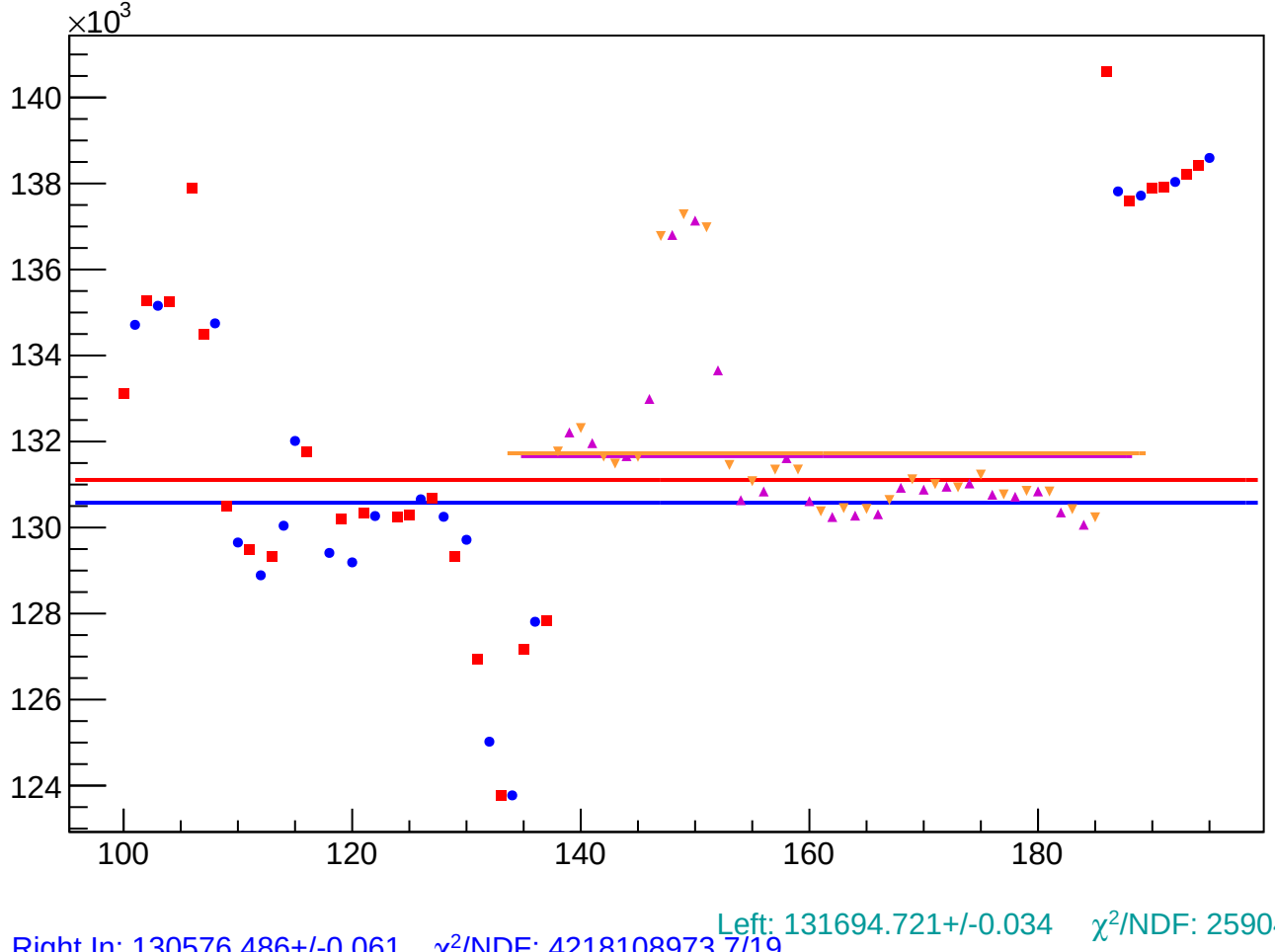
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 187.203+/-0.031 χ^2/NDF: 4732589.0/44

In: 198.494+/-0.028 χ^2/NDF:2774536.9/42

Out: 196.505+/-0.026 χ^2/NDF:3546588.0/49

All: 197.453+/-0.019 χ^2/NDF: 6323855.7/92



Right In: 130576.486+/-0.061 χ^2/NDF: 4218108973.7/19

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131107.232+/-0.056 χ^2/NDF: 4969382583.1/24

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

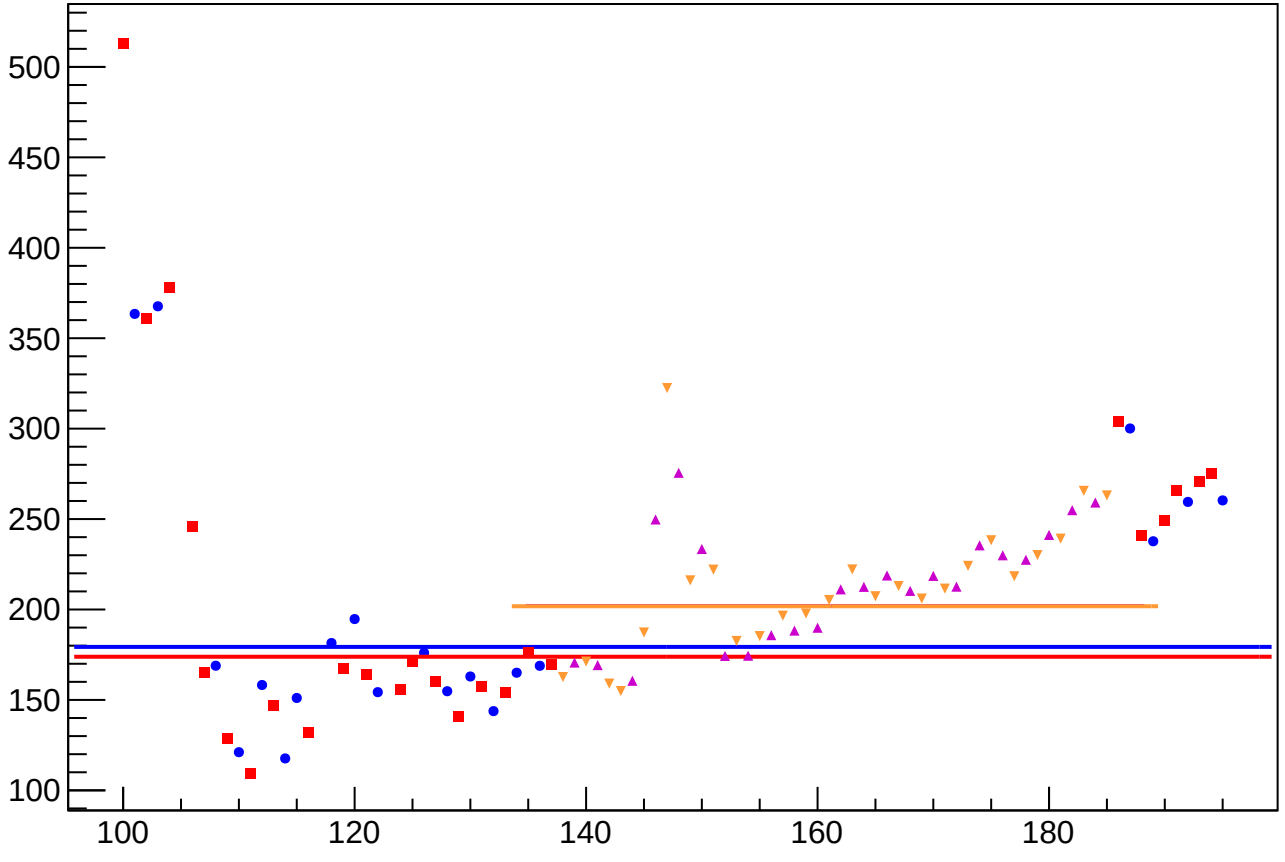
Right: 130864.424+/-0.041 χ^2/NDF: 9228235787.4/

In: 131246.120+/-0.038 χ^2/NDF:5576020083.3/42

Out: 131473.181+/-0.036 χ^2/NDF:6466146236.9/4

All: 131365.399+/-0.026 χ^2/NDF: 12061056

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 179.318+/-0.043 χ^2/NDF: 1489104.8/19

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 173.879+/-0.040 χ^2/NDF: 2196394.0/24

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

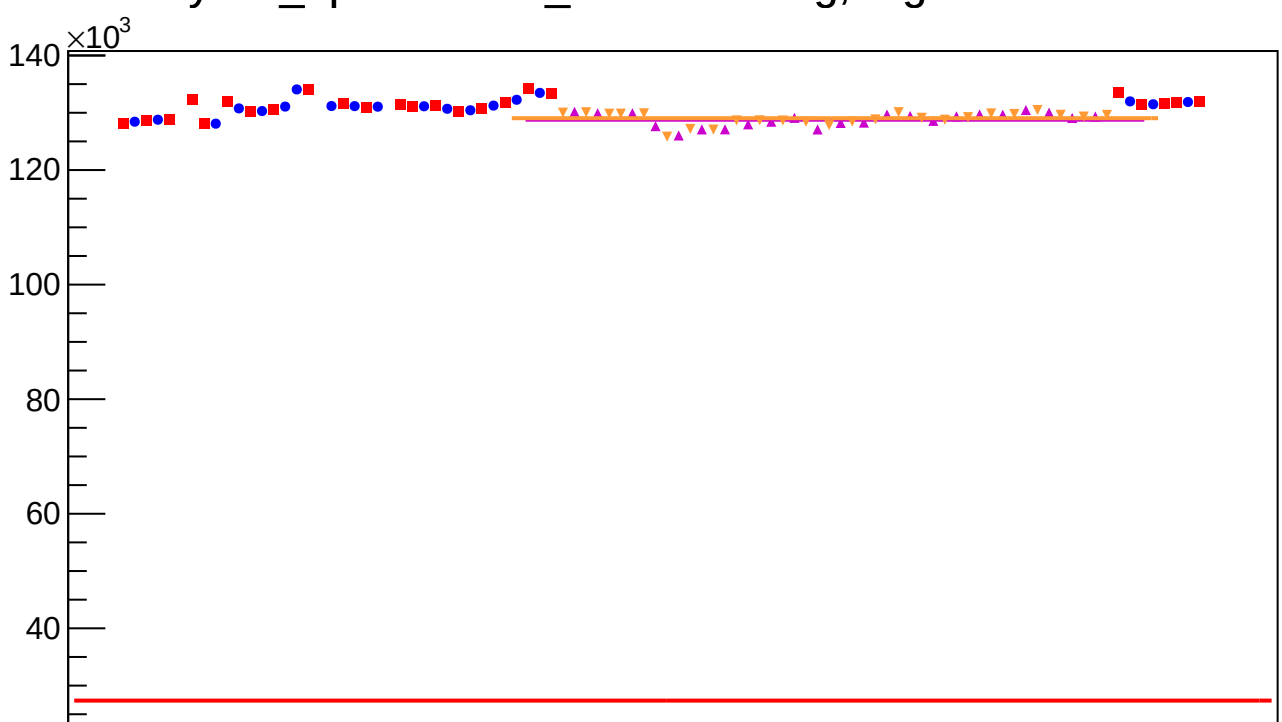
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 176.368+/-0.029 χ^2/NDF: 3694057.9/44

In: 193.297+/-0.027 χ^2/NDF:2460470.5/42

Out: 190.362+/-0.025 χ^2/NDF:3392733.8/49

All: 191.755+/-0.018 χ^2/NDF: 5859517.4/92



Right In: 10661.175+/-0.015 χ^2/NDF: 4712090665668.6/19

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 27383.105+/-0.023 χ^2/NDF: 4781367050563.7/24

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

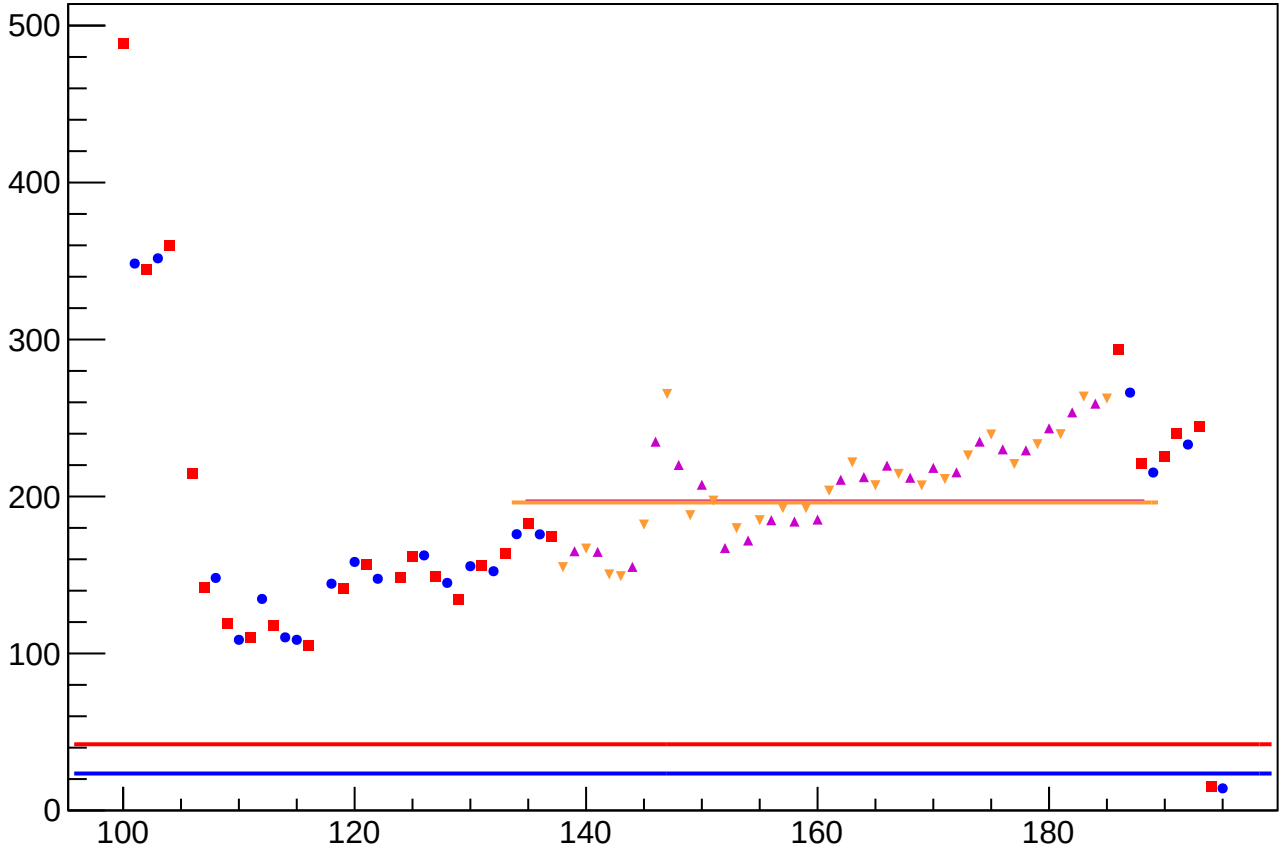
Right: 15463.273+/-0.012 χ^2/NDF: 987281173221

In: 21031.930+/-0.014 χ^2/NDF:10499978850504.

Out: 47969.252+/-0.020 χ^2/NDF:8765213306064.

All: 29529.154+/-0.011 χ^2/NDF: 204505980

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 23.531+/-0.010 χ^2/NDF: 13685014.3/19

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 42.163+/-0.016 χ^2/NDF: 13670387.3/24

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

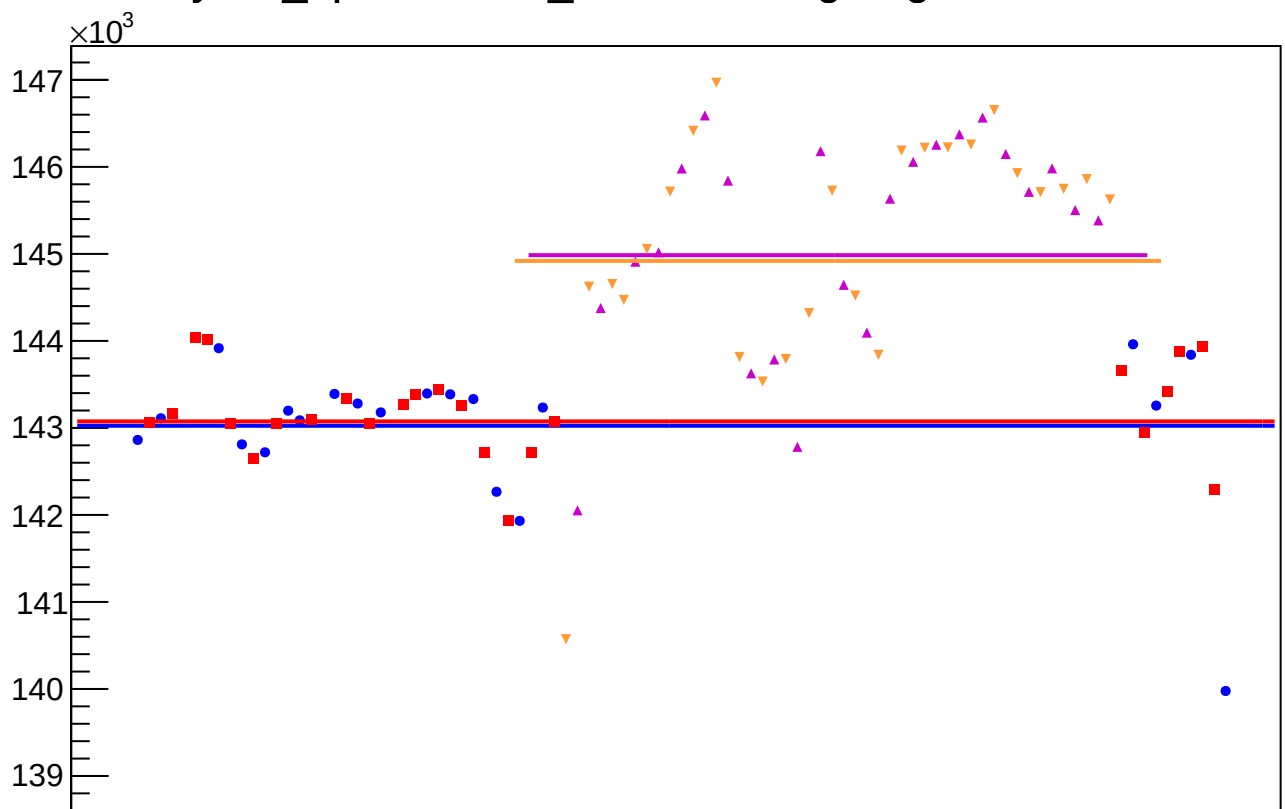
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 28.882+/-0.009 χ^2/NDF: 28297275.7/44

In: 38.747+/-0.010 χ^2/NDF:39373920.4/42

Out: 73.353+/-0.014 χ^2/NDF:32881827.5/49

All: 49.663+/-0.008 χ^2/NDF: 76168671.2/92



Right In: 143024.735+/-0.061 χ^2/NDF: 143887806.7/19

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143075.188+/-0.056 χ^2/NDF: 68783441.6/24

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

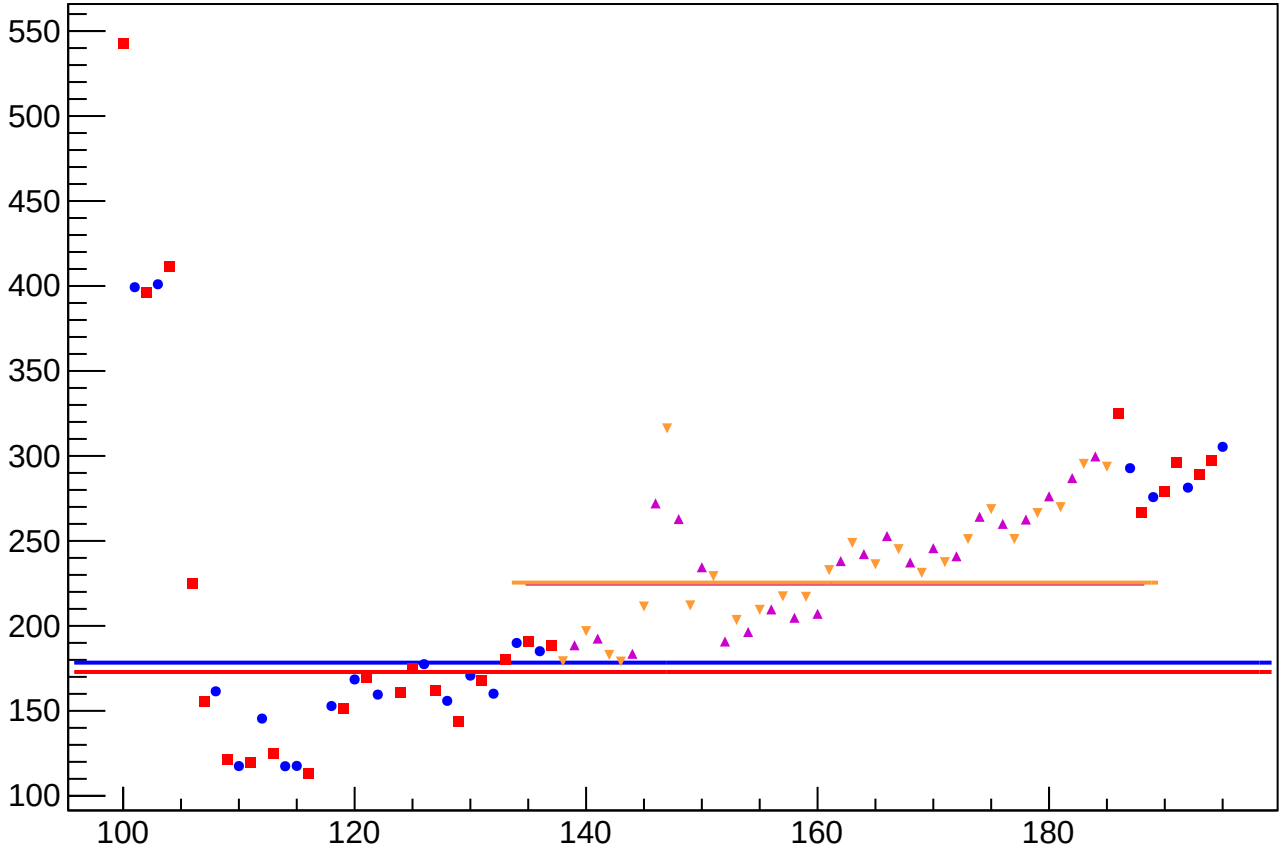
Right: 143052.076+/-0.041 χ^2/NDF: 213039062.9/4

In: 144135.494+/-0.040 χ^2/NDF:1343423256.7/42

Out: 144066.468+/-0.038 χ^2/NDF:1480943005.8/4

All: 144099.199+/-0.028 χ^2/NDF: 282590712

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 178.376+/-0.043 χ^2/NDF: 1970428.6/19

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 172.883+/-0.040 χ^2/NDF: 2711861.0/24

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 175.399+/-0.029 χ^2/NDF: 4691011.6/44

In: 204.713+/-0.029 χ^2/NDF:3347213.2/42

Out: 201.152+/-0.027 χ^2/NDF:4425236.0/49

All: 202.840+/-0.020 χ^2/NDF: 7780649.0/92

Right In: 2813.932+/-0.010 χ^2/NDF: 5230178989631.3/19

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 11623.422+/-0.017 χ^2/NDF: 5889069182574.4/24

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

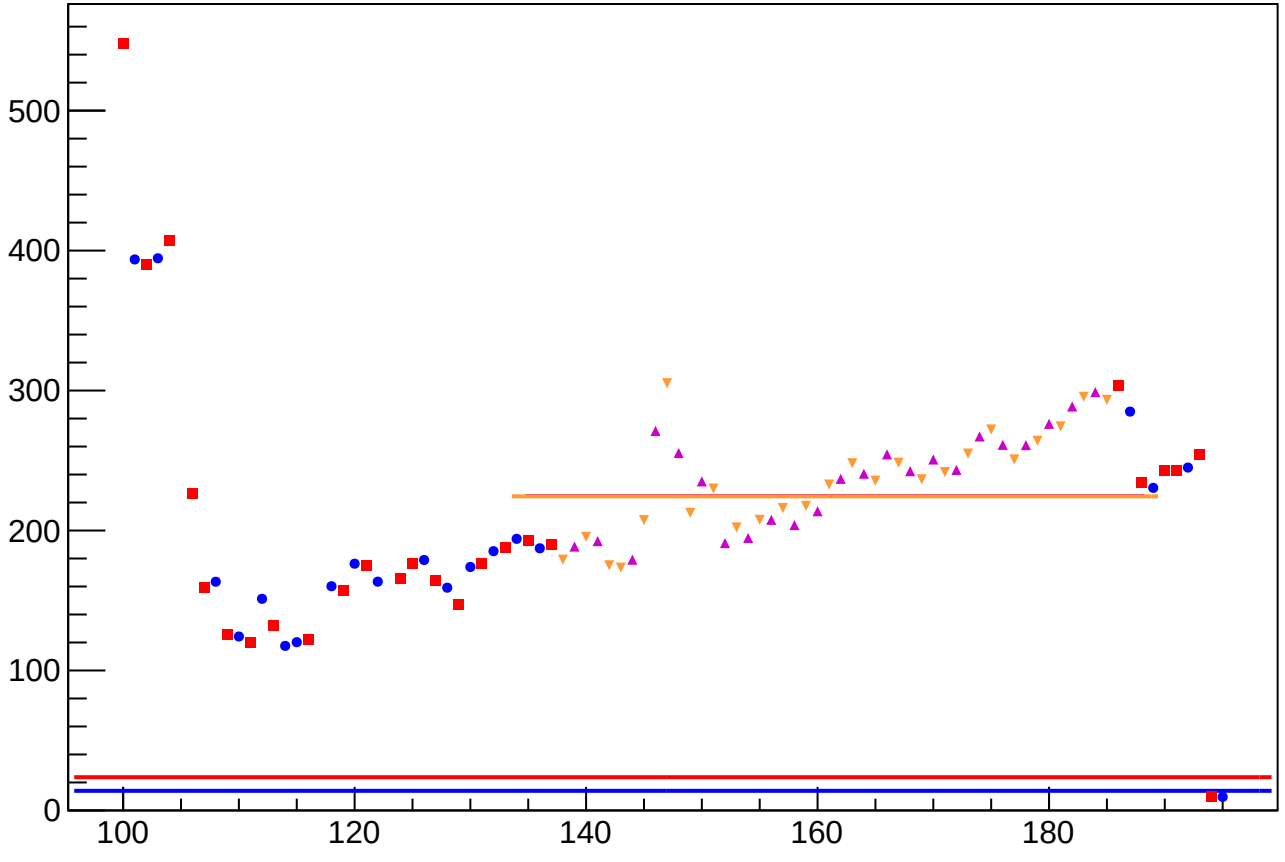
Right: 5209.565+/-0.009 χ^2/NDF: 11322243088360

In: 7823.373+/-0.010 χ^2/NDF:12132894808576.8

Out: 24164.573+/-0.016 χ^2/NDF:11946343576512

All: 12471.712+/-0.008 χ^2/NDF: 248363427

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 14.031+/-0.007 χ^2/NDF: 15152478.5/19

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 23.757+/-0.012 χ^2/NDF: 16375066.6/24

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 16.676+/-0.006 χ^2/NDF: 32022357.1/44

In: 21.397+/-0.007 χ^2/NDF:45754585.7/42

Out: 42.478+/-0.011 χ^2/NDF:44214629.7/49

All: 27.394+/-0.006 χ^2/NDF: 92489050.4/92

Right In: 6302.856+/-0.016 χ^2/NDF: 4651653638676.9/19

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 24702.597+/-0.026 χ^2/NDF: 4688547745638.5/24

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

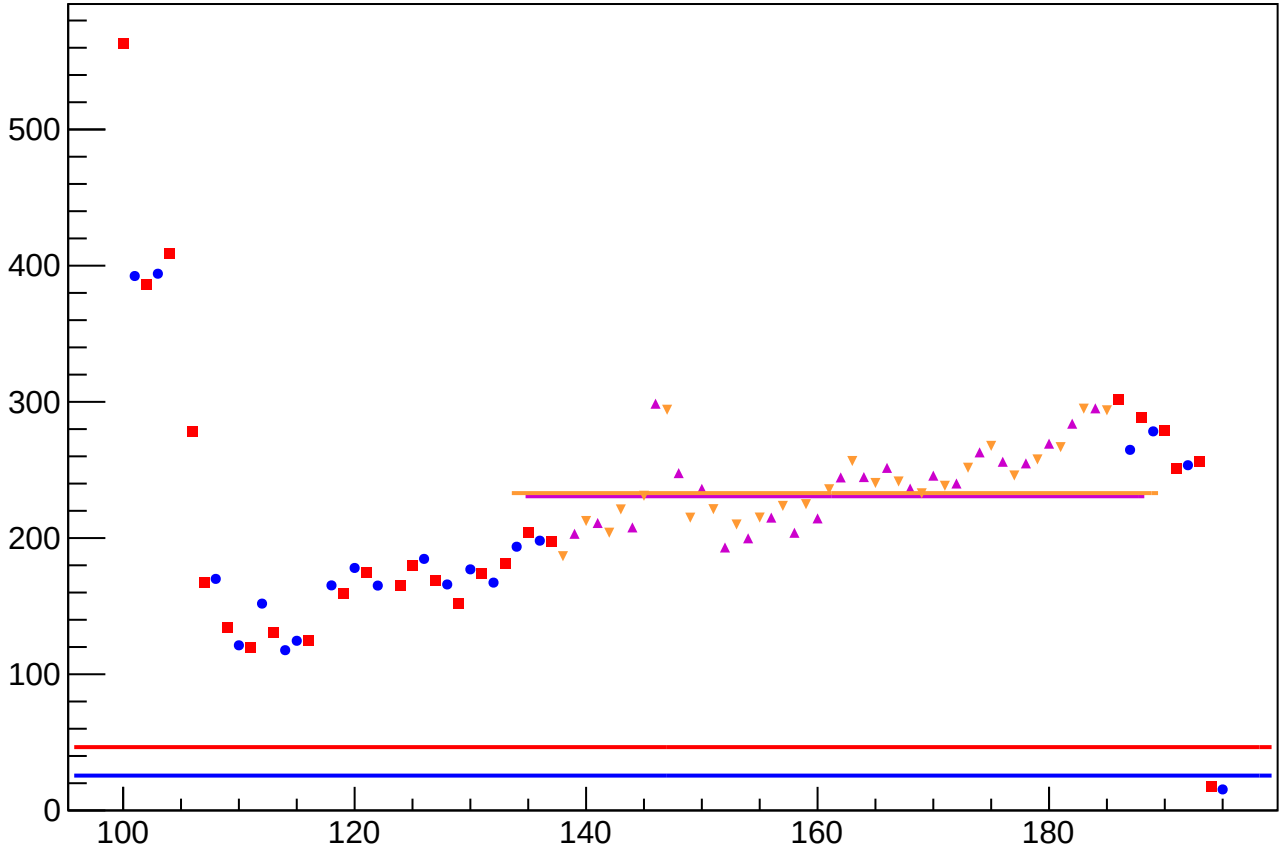
Right: 11495.175+/-0.014 χ^2/NDF: 9713337692290

In: 17048.704+/-0.015 χ^2/NDF:10398631766376.

Out: 46579.311+/-0.023 χ^2/NDF:8676028726262.

All: 26130.887+/-0.013 χ^2/NDF: 202113814

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 25.594+/-0.011 χ^2/NDF: 13775405.6/19

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 46.503+/-0.018 χ^2/NDF: 13796880.2/24

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

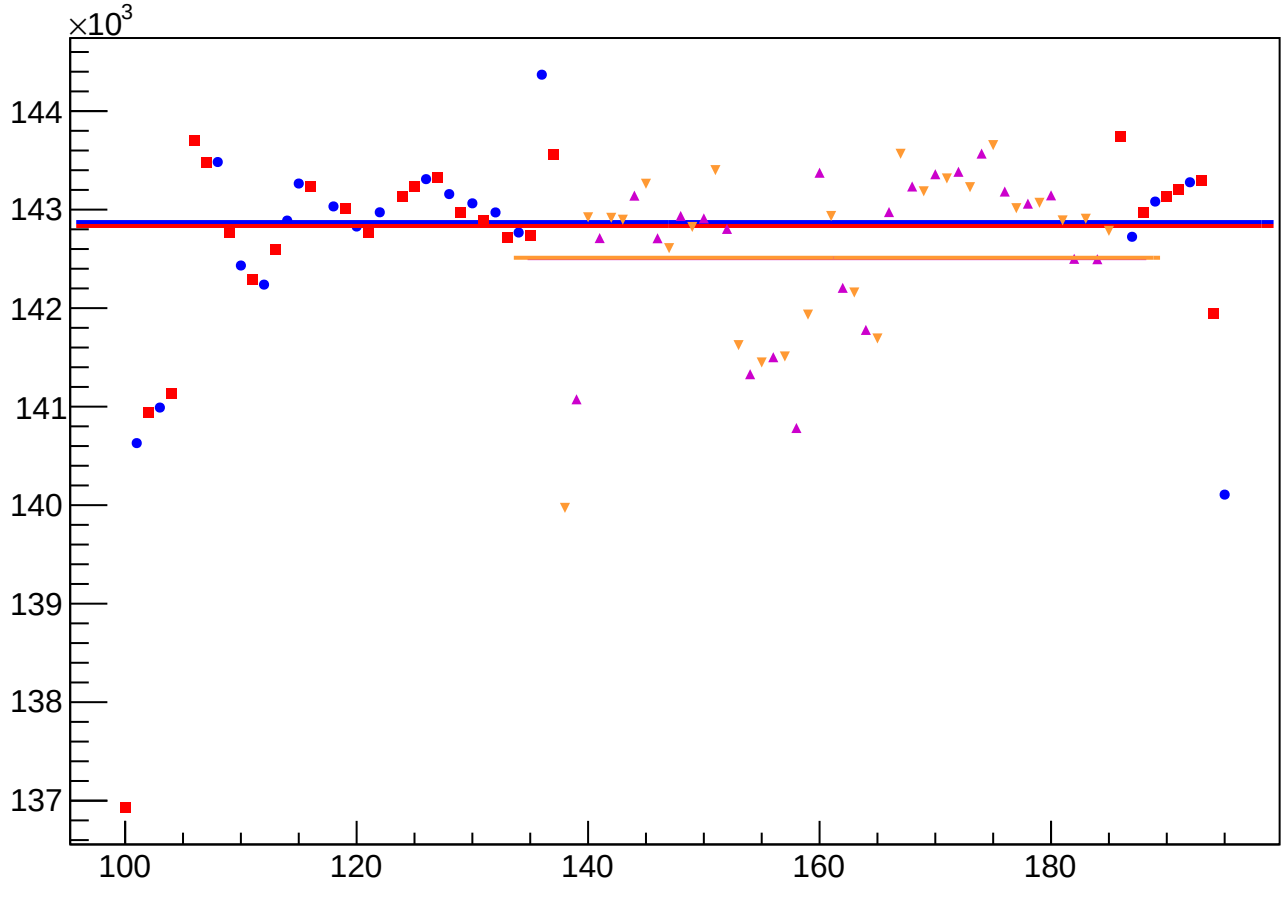
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 31.494+/-0.010 χ^2/NDF: 28535996.1/44

In: 41.690+/-0.011 χ^2/NDF:40076171.0/42

Out: 80.880+/-0.016 χ^2/NDF:33932465.0/49

All: 53.743+/-0.009 χ^2/NDF: 78012599.4/92



Right In: 142873.759+/-0.064 χ^2/NDF: 196234439.3/19

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142833.923+/-0.058 χ^2/NDF: 79829432.5/24

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

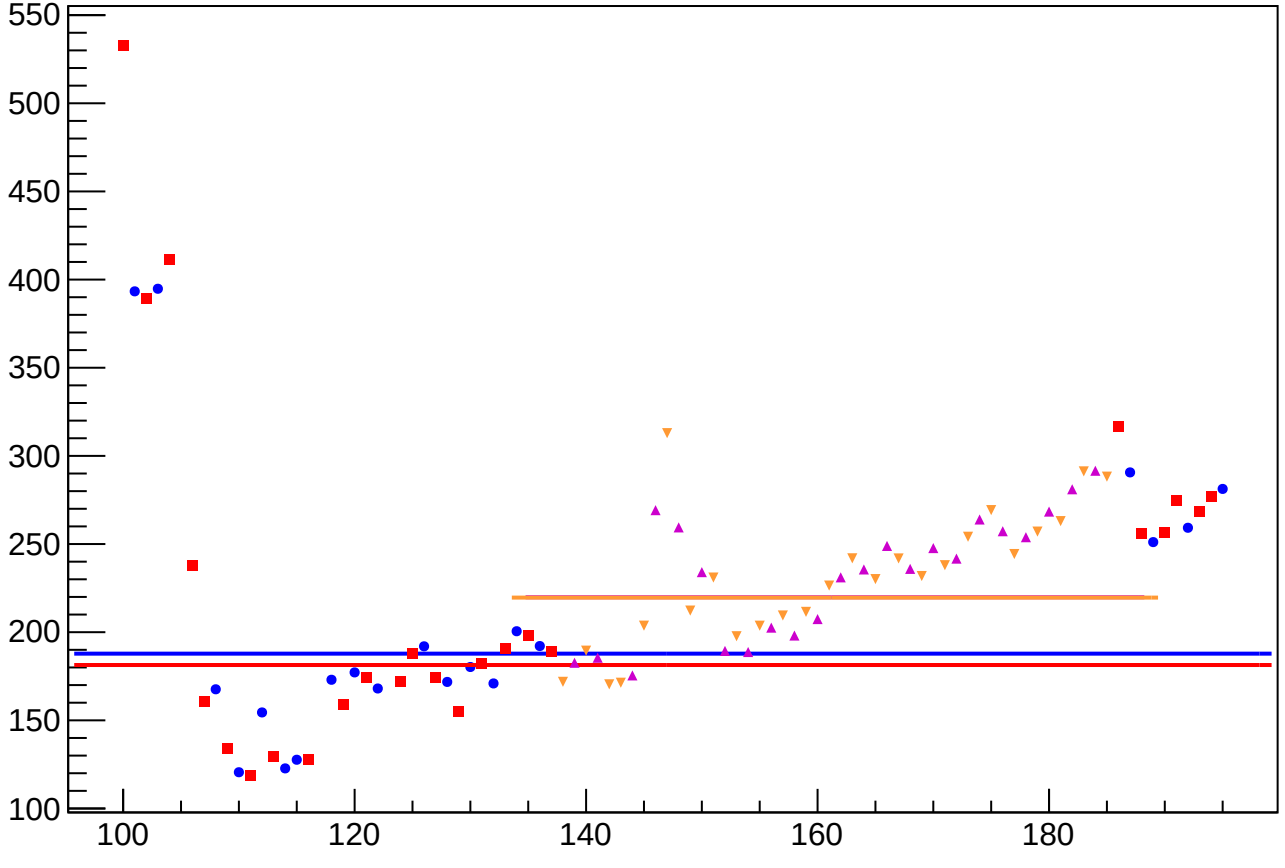
Right: 142852.065+/-0.043 χ^2/NDF: 276275752.2/4

In: 142654.904+/-0.041 χ^2/NDF:485156506.6/42

Out: 142650.615+/-0.038 χ^2/NDF:435250633.5/49

All: 142652.644+/-0.028 χ^2/NDF: 92041304

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 187.827+/-0.045 χ^2/NDF: 1573541.6/19

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 181.382+/-0.041 χ^2/NDF: 2242463.3/24

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

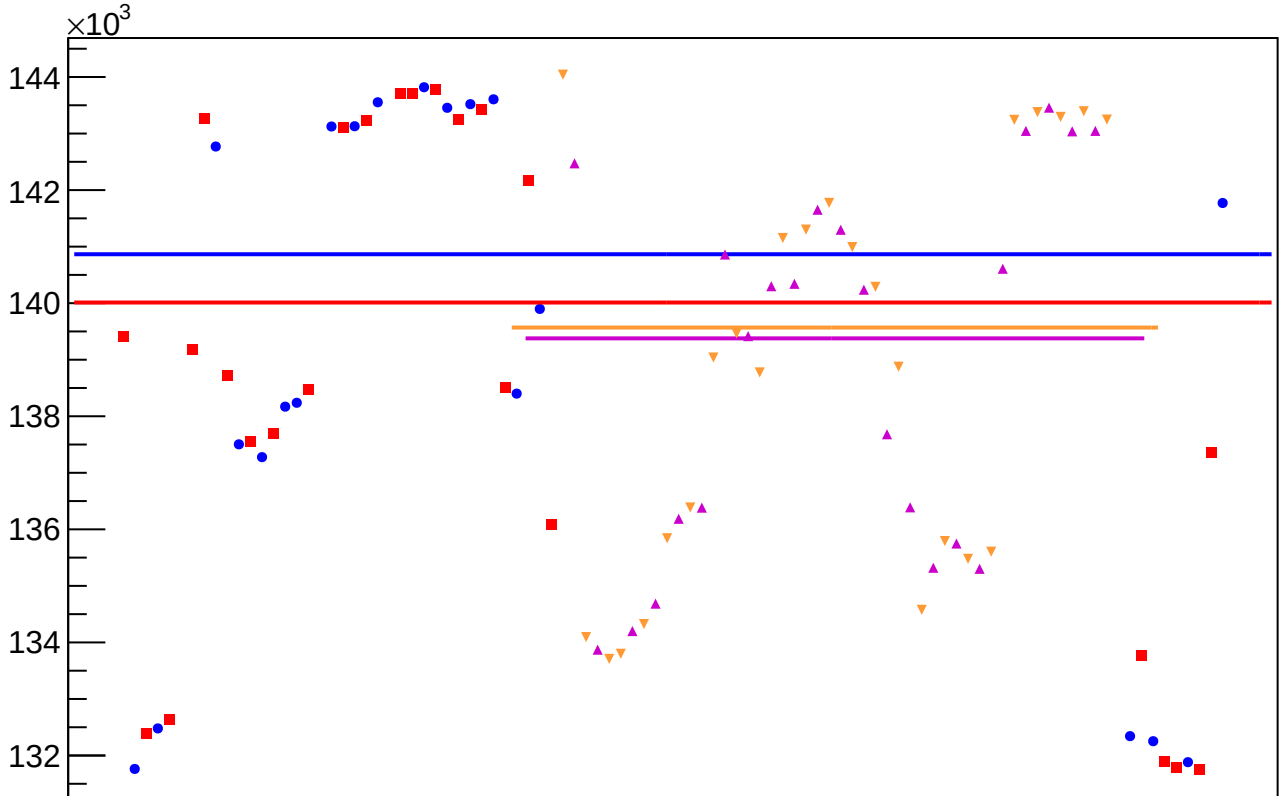
Right: 184.317+/-0.030 χ^2/NDF: 3827097.9/44

In: 206.943+/-0.029 χ^2/NDF:2678878.8/42

Out: 203.112+/-0.027 χ^2/NDF:3631676.5/49

All: 204.924+/-0.020 χ^2/NDF: 6319983.6/92

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140865.372+/-0.092 χ^2/NDF: 1685320463.3/19

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140011.668+/-0.091 χ^2/NDF: 2034616106.0/24

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

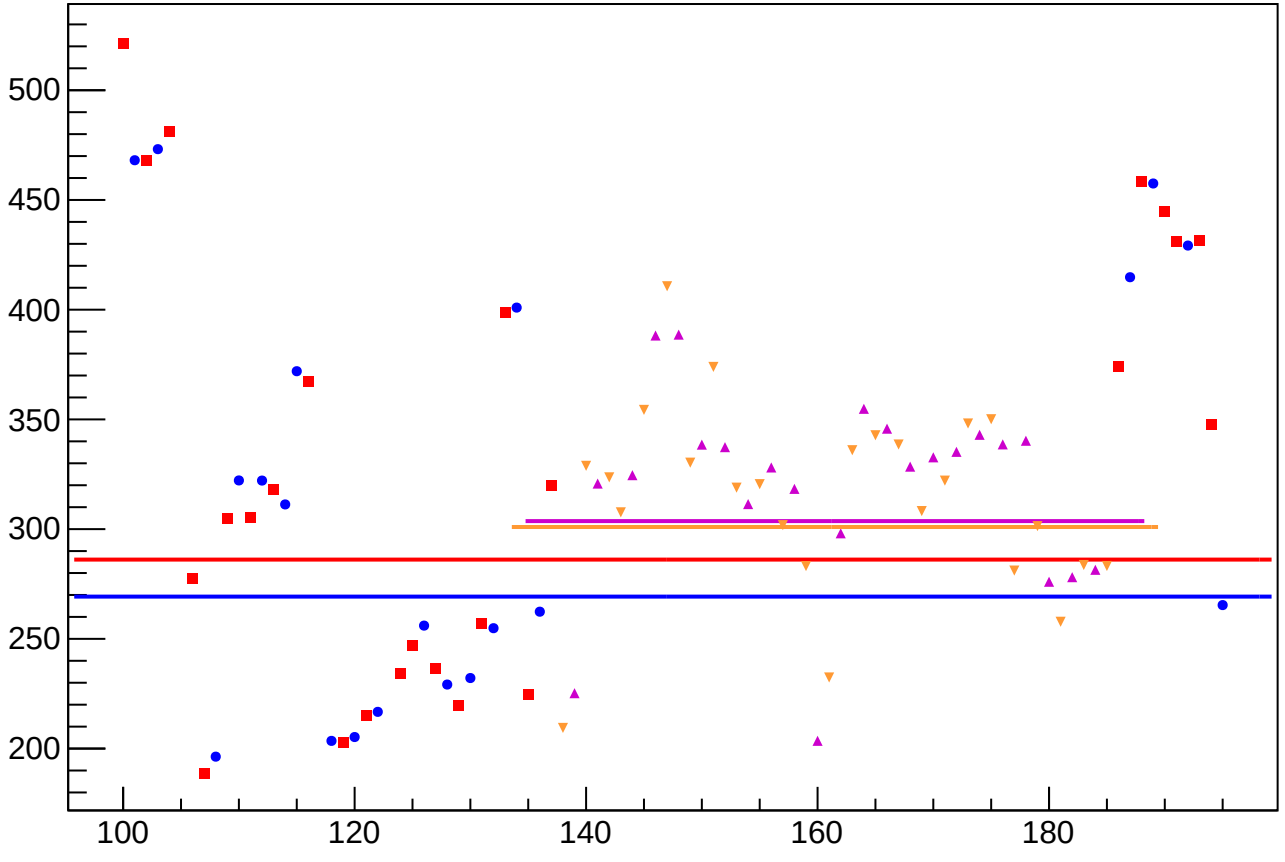
Right: 140438.018+/-0.065 χ^2/NDF: 3763470130.1/

In: 139955.432+/-0.057 χ^2/NDF:3768296748.9/42

Out: 139732.488+/-0.056 χ^2/NDF:4636044600.8/4

All: 139841.078+/-0.040 χ^2/NDF: 84121739

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 269.252+/-0.065 χ^2/NDF: 1479002.9/19

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 286.118+/-0.065 χ^2/NDF: 1800596.2/24

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

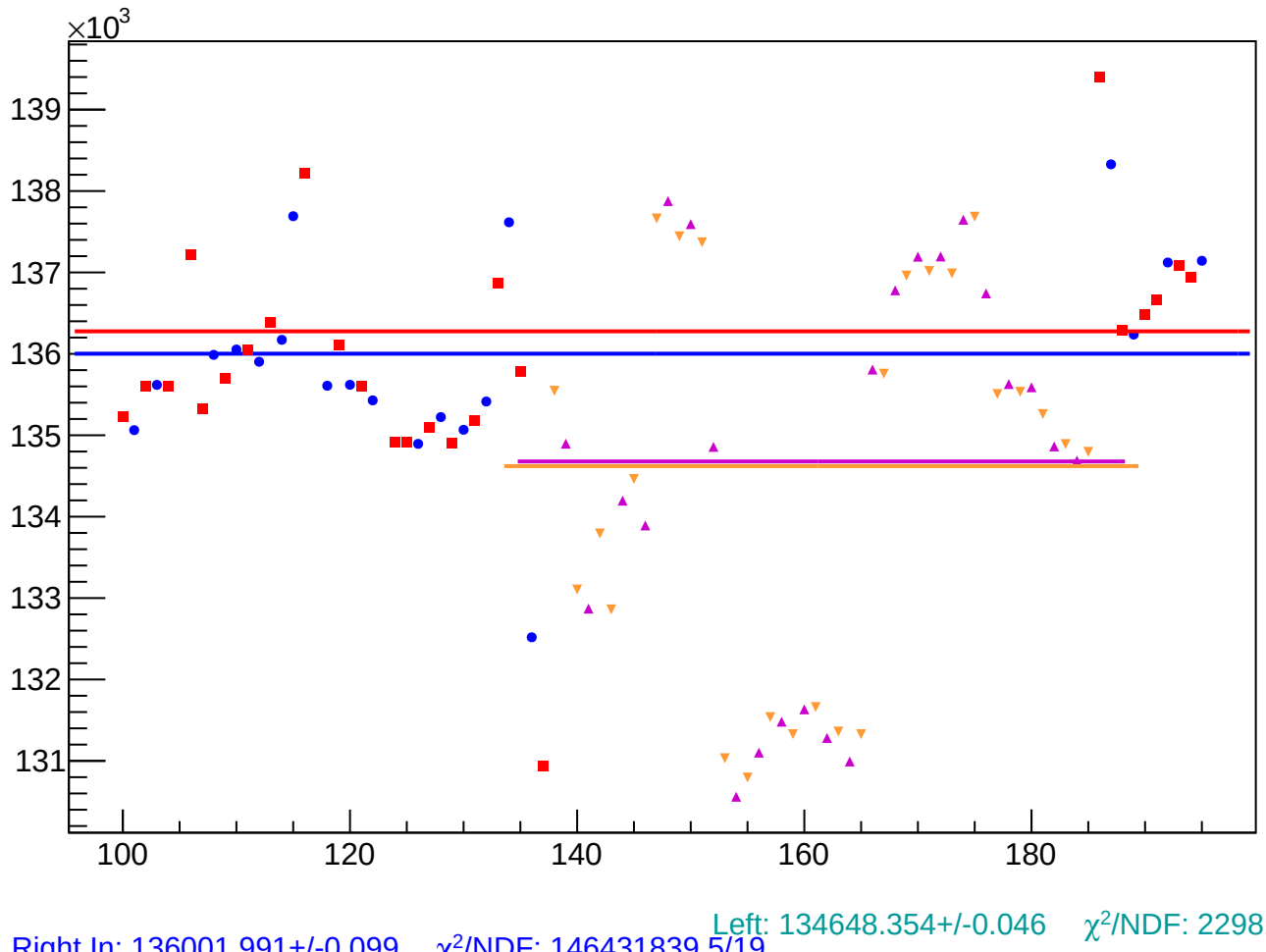
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 277.695+/-0.046 χ^2/NDF: 3313580.1/44

In: 290.295+/-0.040 χ^2/NDF:2628039.9/42

Out: 295.476+/-0.039 χ^2/NDF:2710720.2/49

All: 292.952+/-0.028 χ^2/NDF: 5347218.4/92



Right In: 136001.991+/-0.099 χ^2/NDF: 146431839.5/19

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136276.612+/-0.087 χ^2/NDF: 151402607.2/24

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

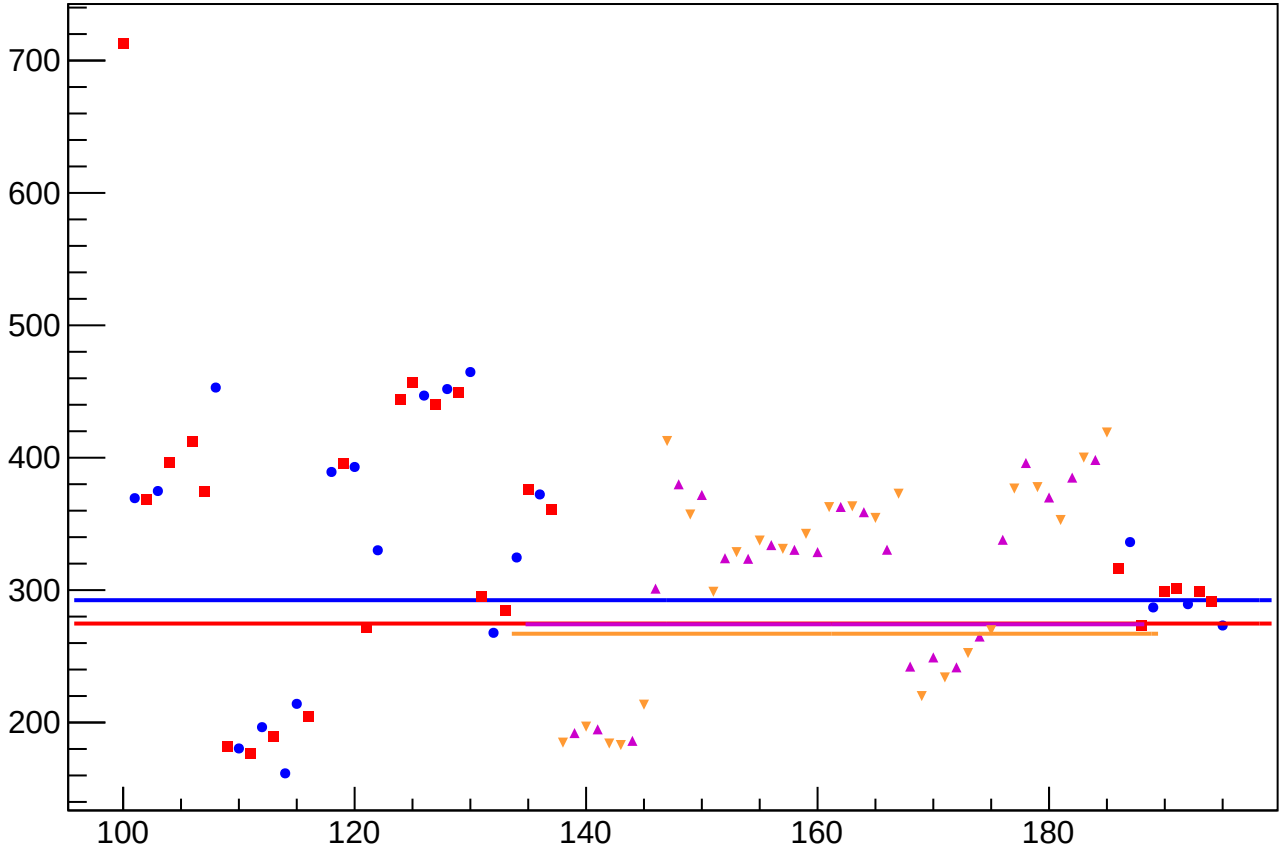
Right: 136155.969+/-0.065 χ^2/NDF: 302168700.6/4

In: 135094.679+/-0.055 χ^2/NDF:1365810666.4/42

Out: 135195.510+/-0.052 χ^2/NDF:1587051394.2/4

All: 135148.755+/-0.038 χ^2/NDF: 29546393

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 292.385+/-0.070 χ^2/NDF: 1459081.5/19

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 274.738+/-0.062 χ^2/NDF: 1727173.0/24

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

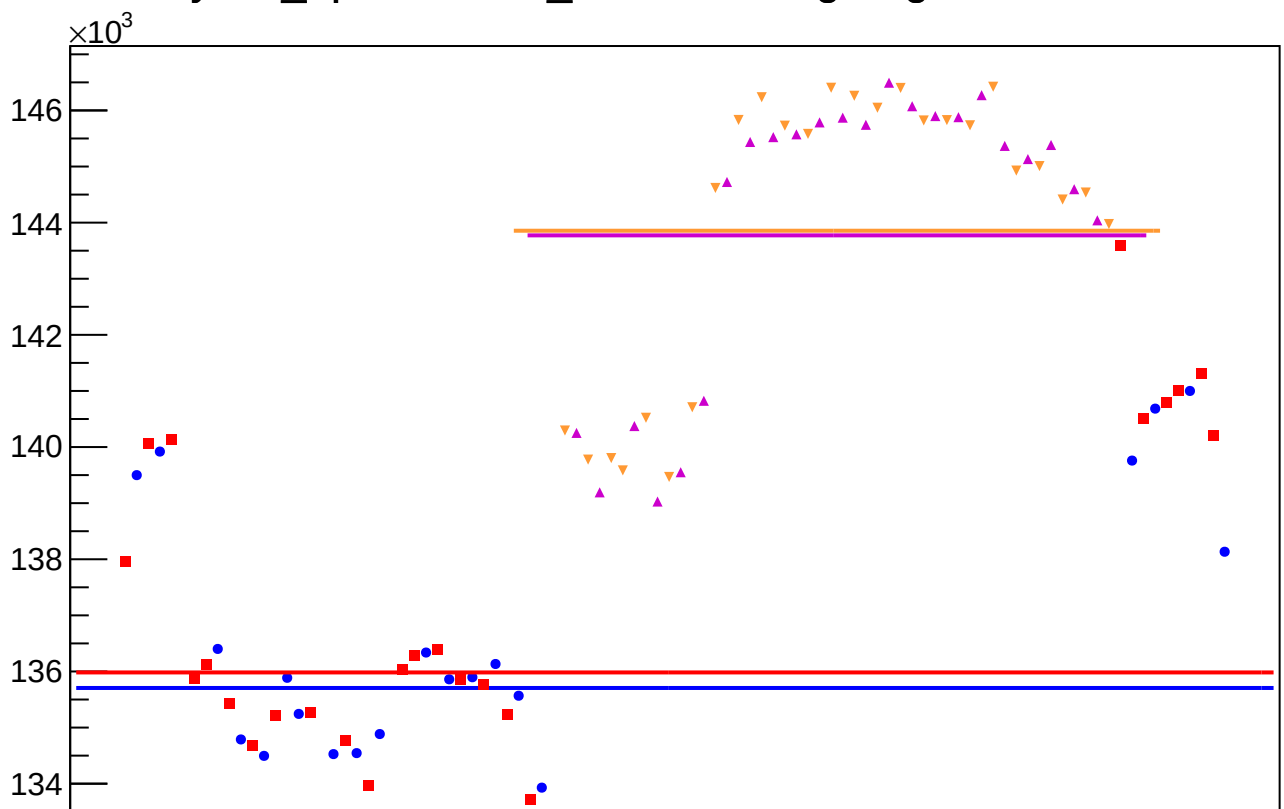
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 282.490+/-0.046 χ^2/NDF: 3222049.9/44

In: 279.903+/-0.039 χ^2/NDF:3742428.5/42

Out: 269.720+/-0.036 χ^2/NDF:4580569.2/49

All: 274.442+/-0.027 χ^2/NDF: 8359249.9/92



Right In: 135705.890+/-0.052 χ^2/NDF: 1154847569.2/19

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 135982.805+/-0.049 χ^2/NDF: 1901888476.3/24

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

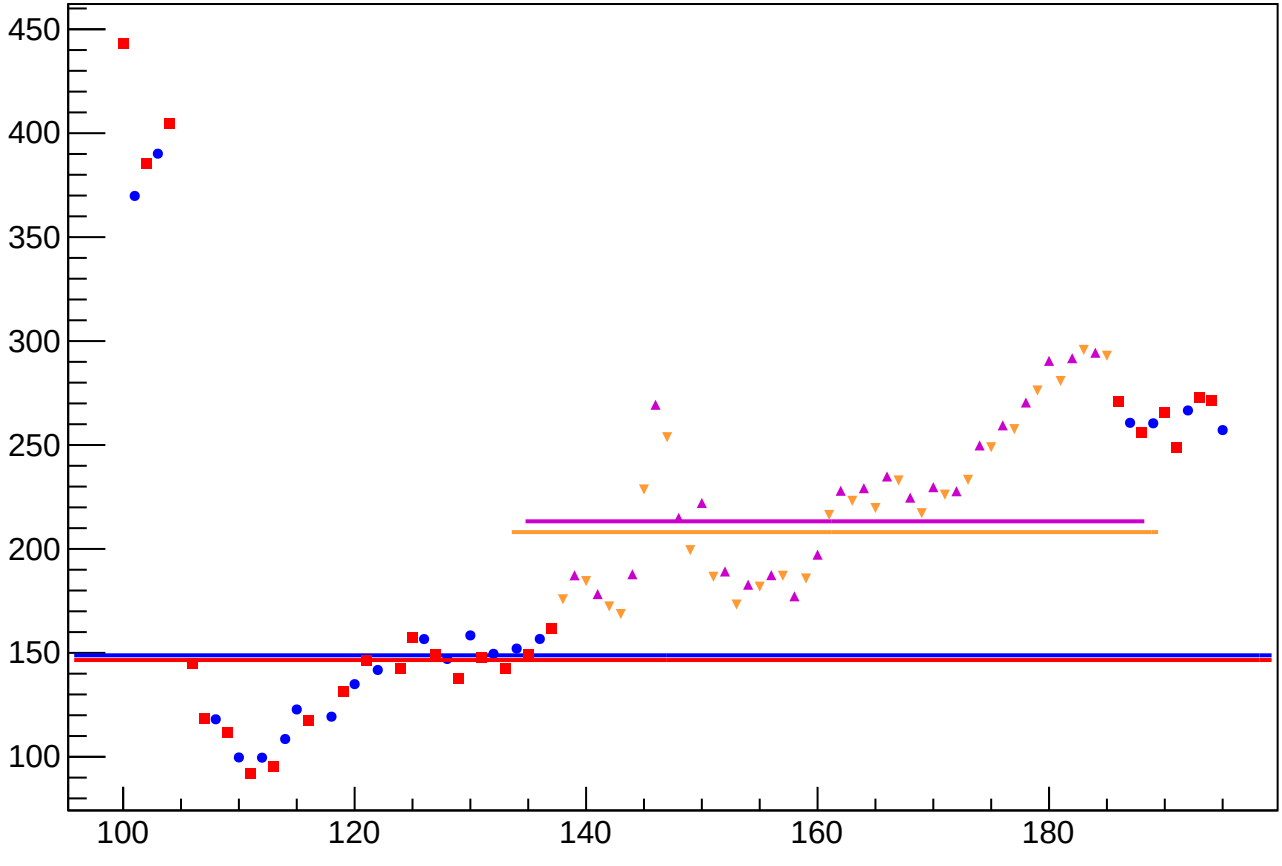
Right: 135853.711+/-0.035 χ^2/NDF: 3071926542.8/

In: 139817.158+/-0.036 χ^2/NDF:16266240437.8/4

Out: 139933.718+/-0.034 χ^2/NDF:18249974313.6

All: 139878.921+/-0.025 χ^2/NDF: 34521662

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 148.828+/-0.037 χ^2/NDF: 2434901.0/19

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 146.557+/-0.034 χ^2/NDF: 3174617.4/24

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

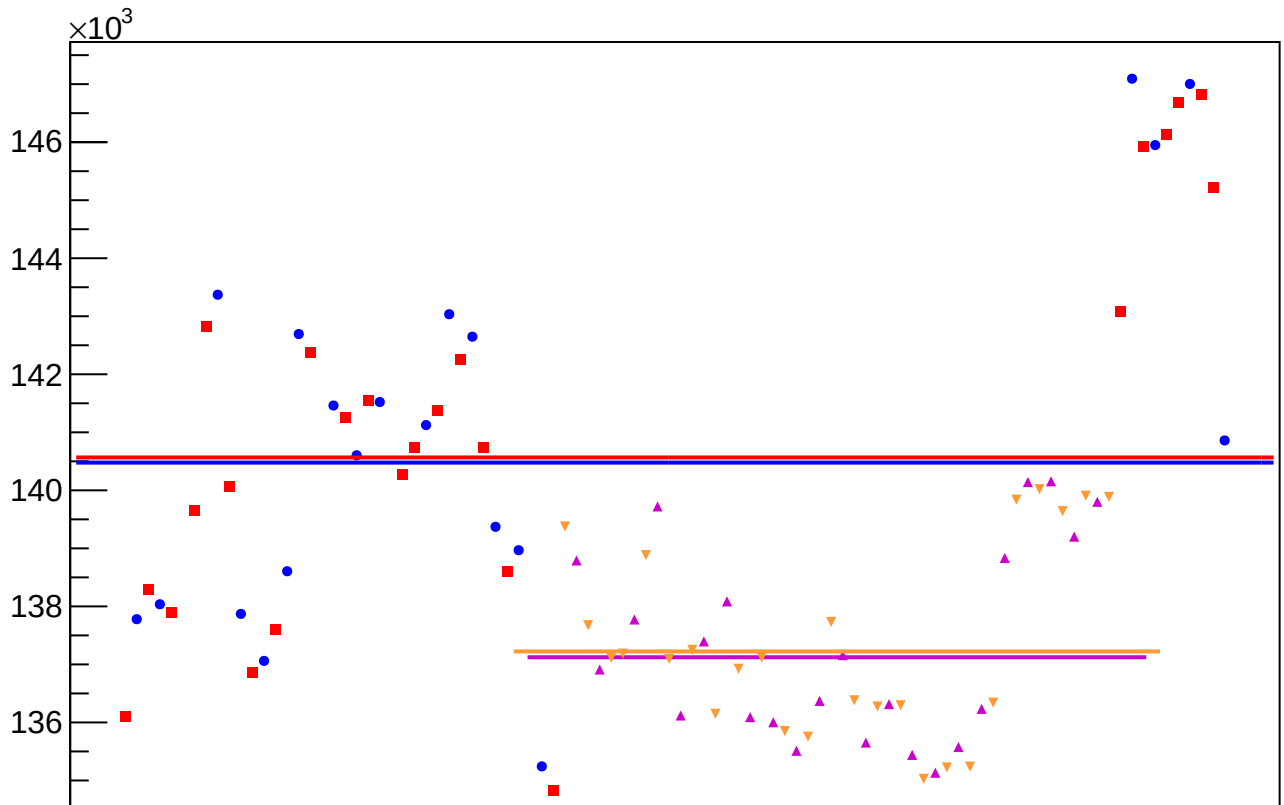
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 147.615+/-0.025 χ^2/NDF: 5611562.1/44

In: 181.678+/-0.026 χ^2/NDF:4872053.4/42

Out: 177.441+/-0.024 χ^2/NDF:5782986.1/49

All: 179.433+/-0.018 χ^2/NDF: 10669440.5/92



Right In: 140478.150+/-0.058 χ^2/NDF: 2792186694.1/19

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140566.600+/-0.055 χ^2/NDF: 3235303063.7/24

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

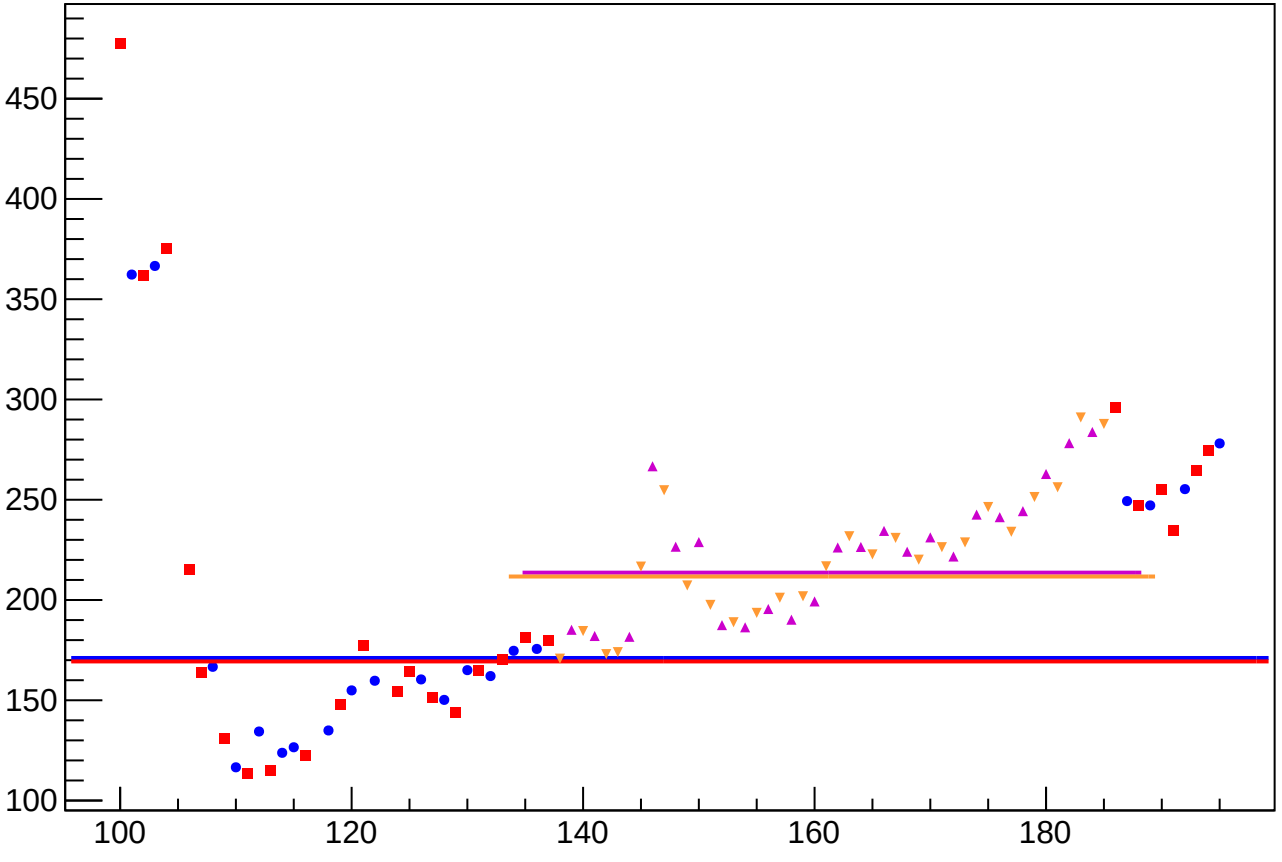
Right: 140525.222+/-0.040 χ^2/NDF: 6028708459.5/

In: 138570.566+/-0.038 χ^2/NDF:5525900497.8/42

Out: 138710.461+/-0.037 χ^2/NDF:6196008143.1/4

All: 138643.948+/-0.026 χ^2/NDF: 11728874

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 171.085+/-0.041 χ^2/NDF: 1704113.4/19

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 169.372+/-0.039 χ^2/NDF: 2310784.3/24

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

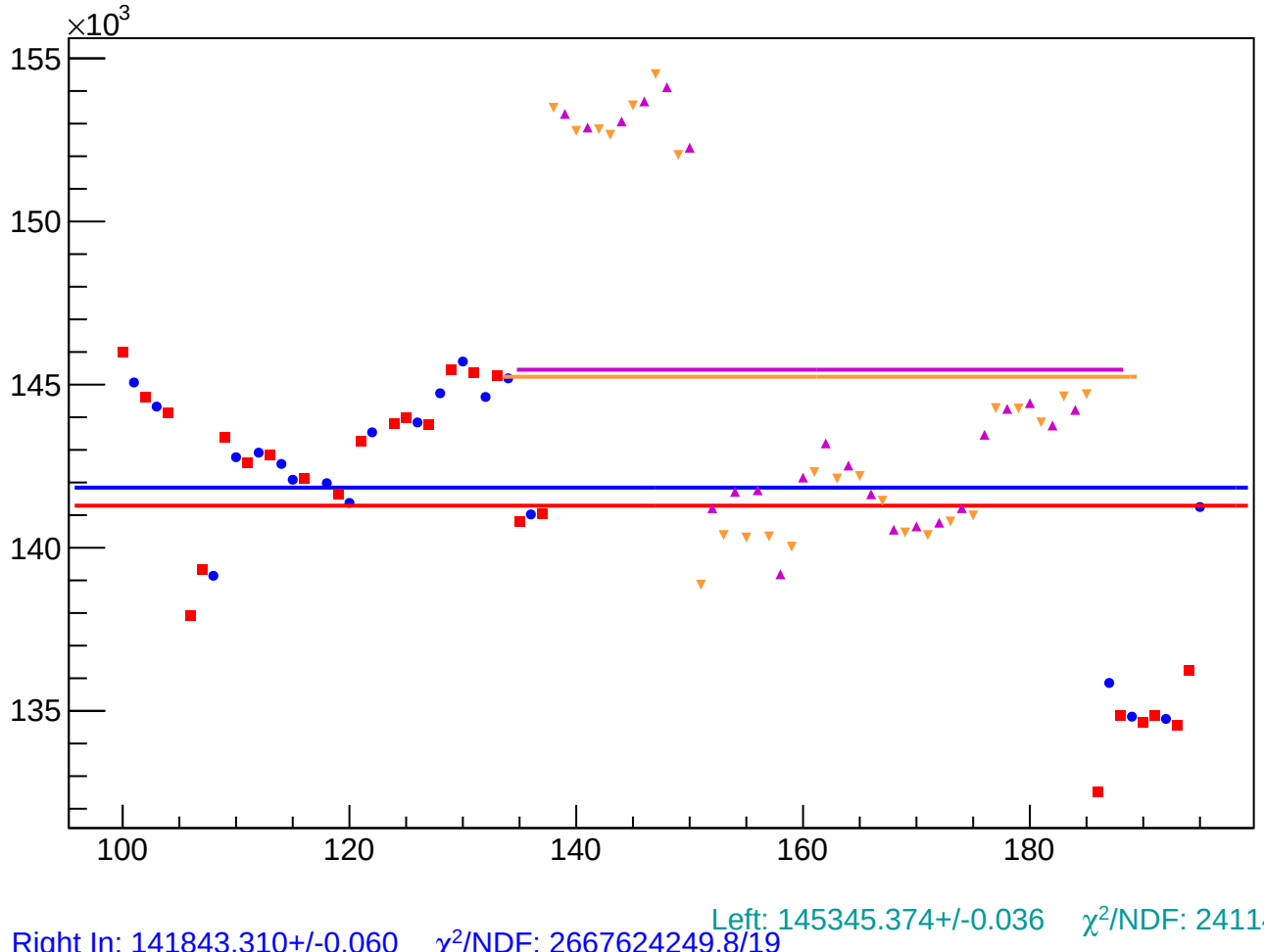
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 170.173+/-0.028 χ^2/NDF: 4015811.4/44

In: 195.284+/-0.027 χ^2/NDF:2928316.4/42

Out: 192.882+/-0.026 χ^2/NDF:3649295.2/49

All: 194.024+/-0.019 χ^2/NDF: 6581719.7/92



Right In: 141843.310+/-0.060 χ^2/NDF: 2667624249.8/19

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141289.684+/-0.055 χ^2/NDF: 4358559720.6/24

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

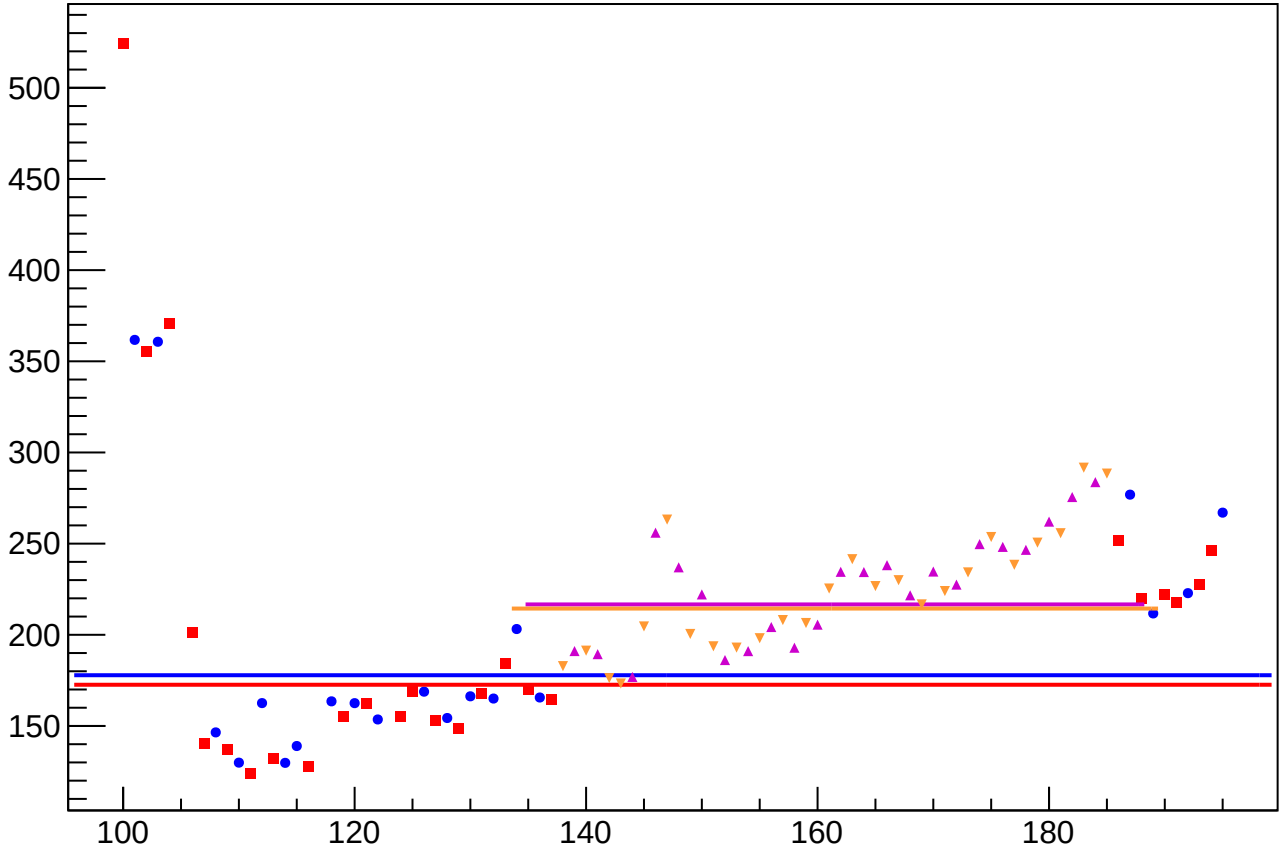
Right: 141541.913+/-0.041 χ^2/NDF: 7072489648.1/

In: 143922.008+/-0.039 χ^2/NDF:15825072111.2/4

Out: 143465.662+/-0.037 χ^2/NDF:20243659813.9

All: 143680.000+/-0.027 χ^2/NDF: 36140891

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 177.833+/-0.042 χ^2/NDF: 1266634.9/19

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 172.602+/-0.039 χ^2/NDF: 1610824.6/24

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

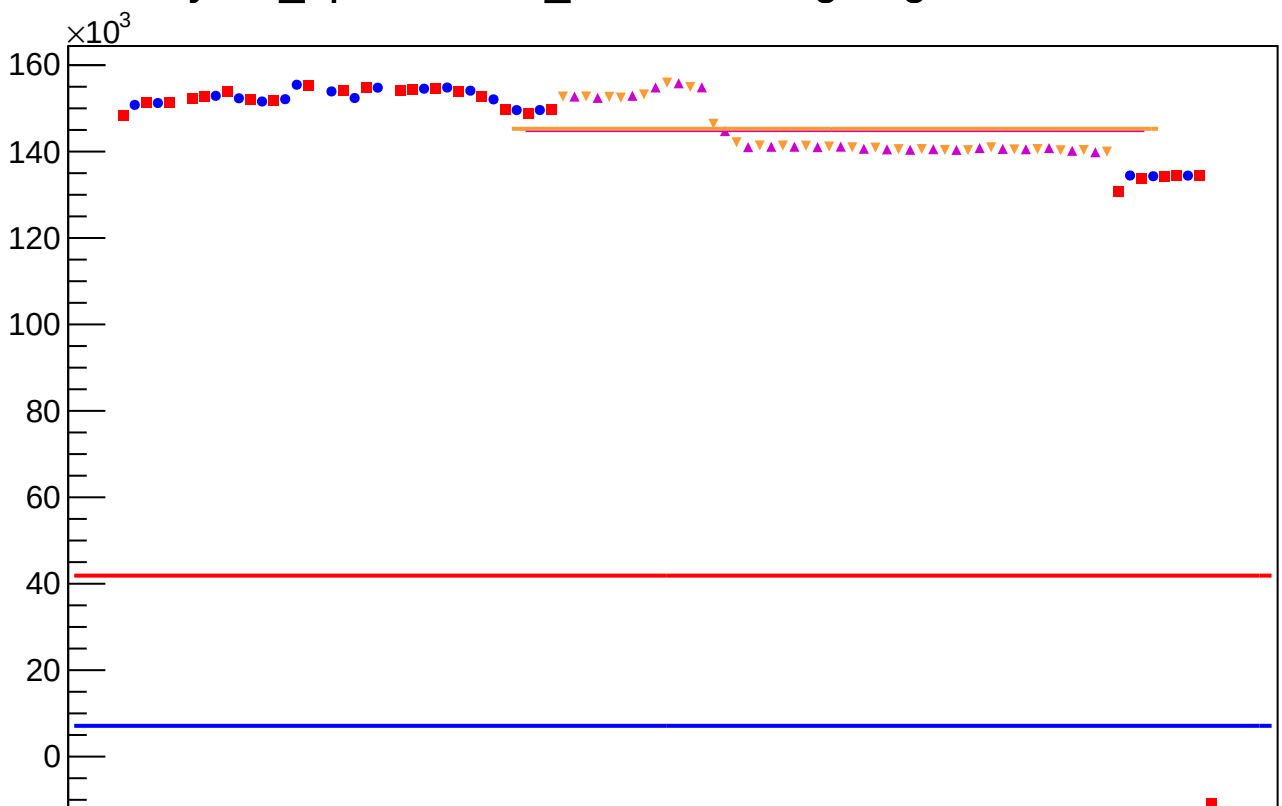
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 174.985+/-0.029 χ^2/NDF: 2885727.0/44

In: 200.166+/-0.028 χ^2/NDF:2335012.5/42

Out: 195.607+/-0.026 χ^2/NDF:2891816.1/49

All: 197.748+/-0.019 χ^2/NDF: 5241228.7/92



Right In: 7123.584+/-0.024 χ^2/NDF: 5218569965159.4/19

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 41878.284+/-0.035 χ^2/NDF: 4746472266469.2/24

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

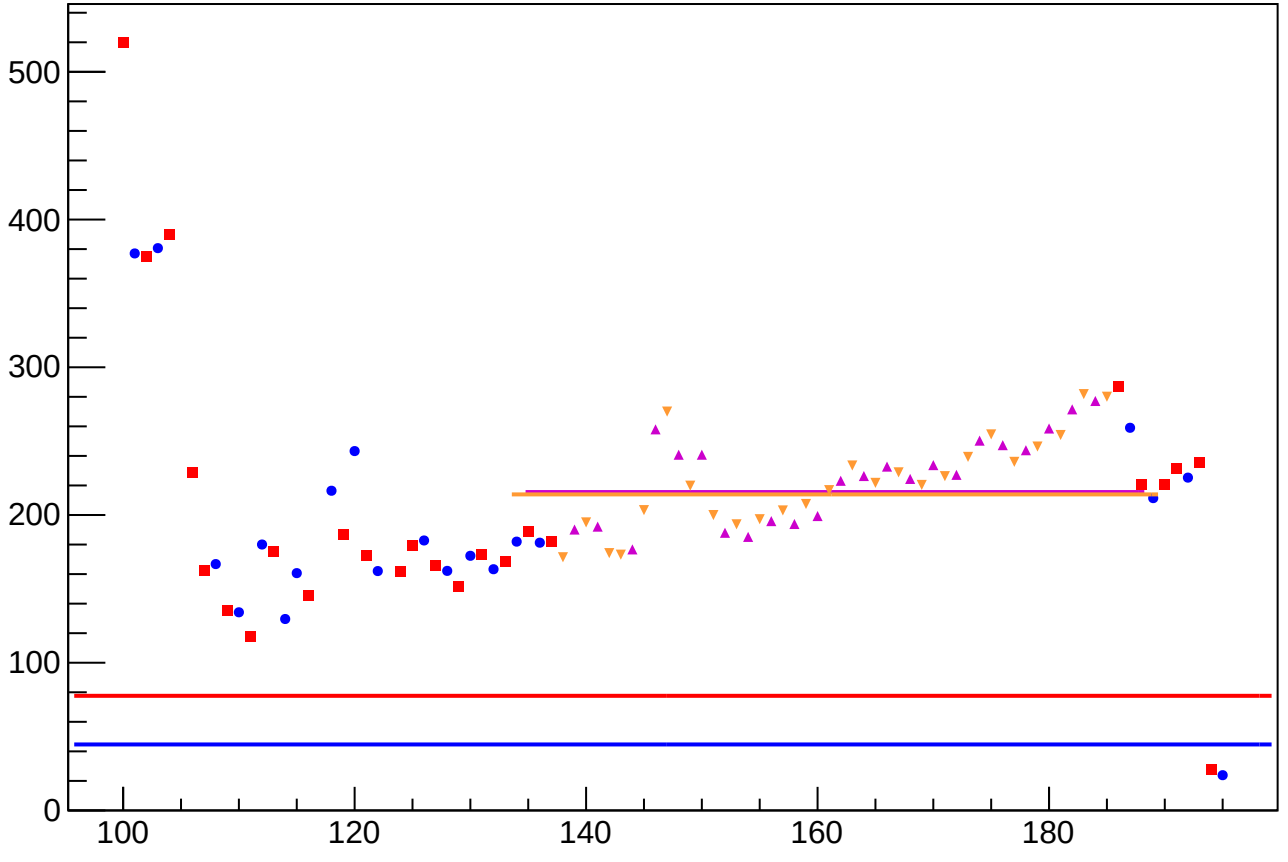
Right: 18328.431+/-0.020 χ^2/NDF: 1064782099983

In: 31751.659+/-0.022 χ^2/NDF:11183891825614.

Out: 75947.395+/-0.028 χ^2/NDF:7698668279854.

All: 48025.559+/-0.017 χ^2/NDF: 204179325

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 44.678+/-0.017 χ^2/NDF: 11424516.6/19

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 77.603+/-0.024 χ^2/NDF: 10023479.0/24

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

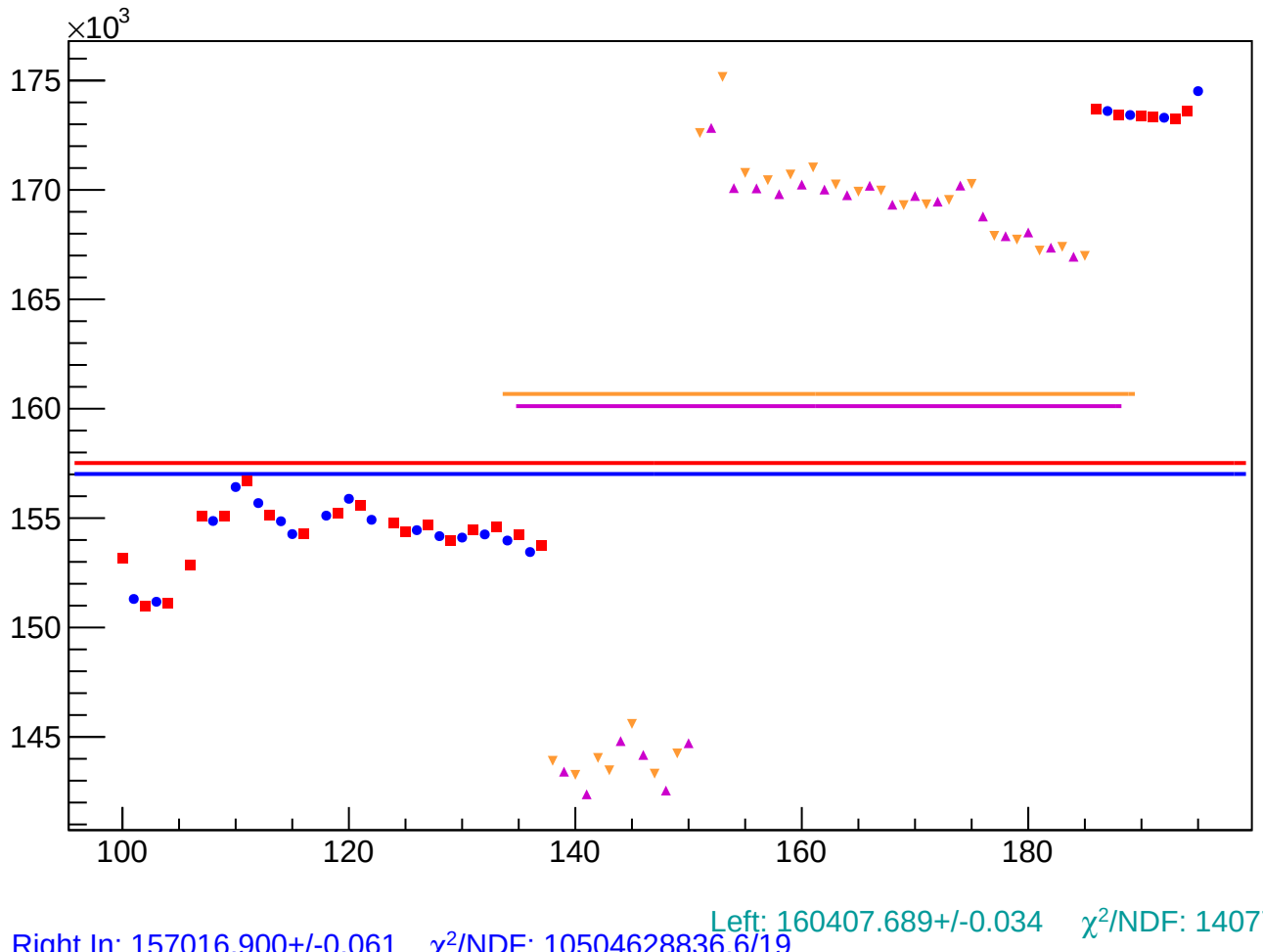
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 55.293+/-0.014 χ^2/NDF: 22673504.1/44

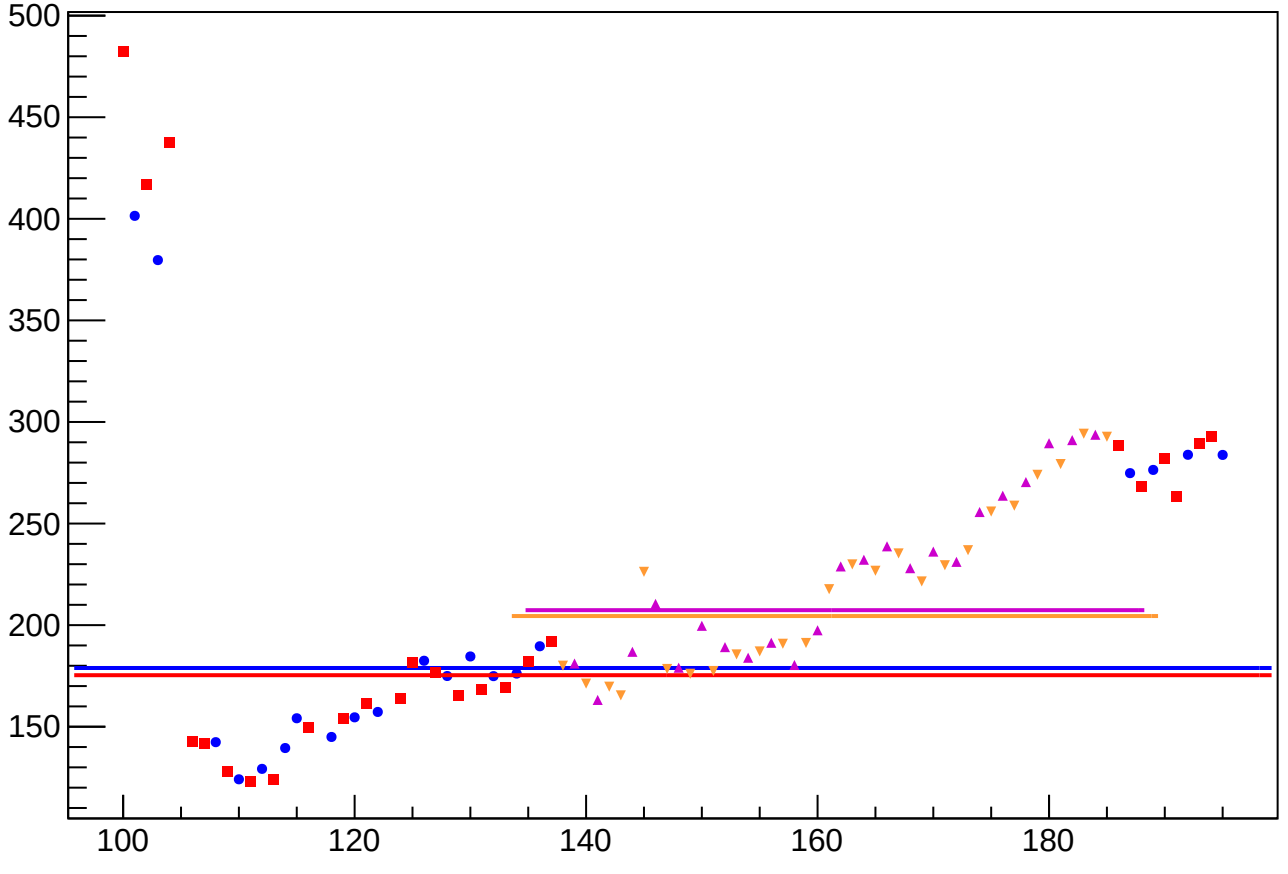
In: 75.206+/-0.015 χ^2/NDF:30315280.5/42

Out: 122.532+/-0.020 χ^2/NDF:20894855.9/49

All: 92.632+/-0.012 χ^2/NDF: 54731267.9/92


yield_bpm1i02WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
100
120
140
160
180
Right In: 157016.900+/-0.061 χ²/NDF: 10504628836.6/19
Left Out: 160674.818+/-0.047 χ²/NDF:74155131898.4/24
Right Out: 157518.121+/-0.056 χ²/NDF: 13923241088.4/24
Left In: 160117.460+/-0.049 χ²/NDF:66553191753.2/22
Left: 160407.689+/-0.034 χ²/NDF: 140774615101.
Right: 157287.609+/-0.041 χ²/NDF: 2446414803 1.7
In: 158893.266+/-0.038 χ²/NDF:78613326327.9/4
Out: 159369.321+/-0.036 χ²/NDF:89913262794.5
All: 159144.892+/-0.026 χ²/NDF: 16860770

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 178.908+/-0.043 χ^2/NDF: 1841905.7/19

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 175.359+/-0.040 χ^2/NDF: 2467352.4/24

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

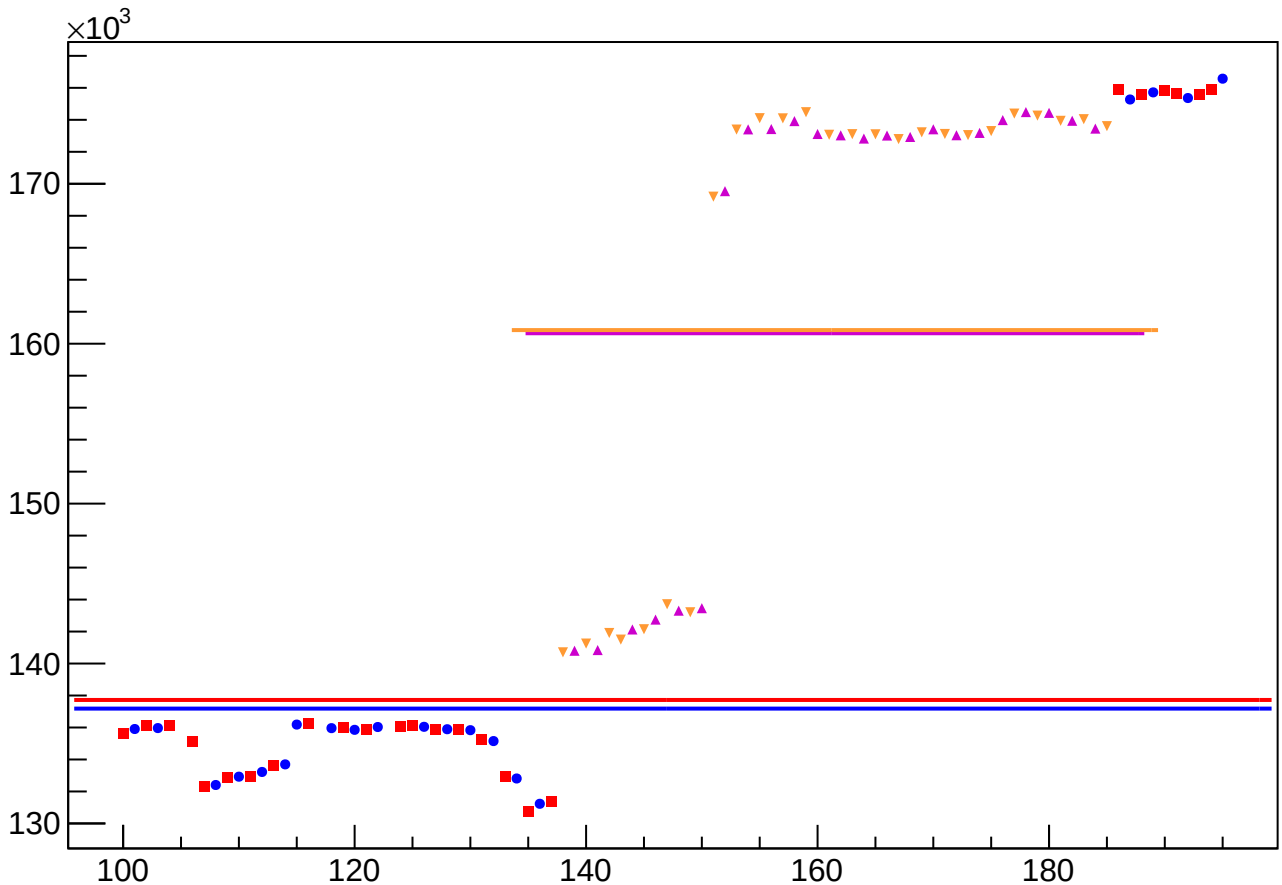
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 176.991+/-0.029 χ^2/NDF: 4312895.3/44

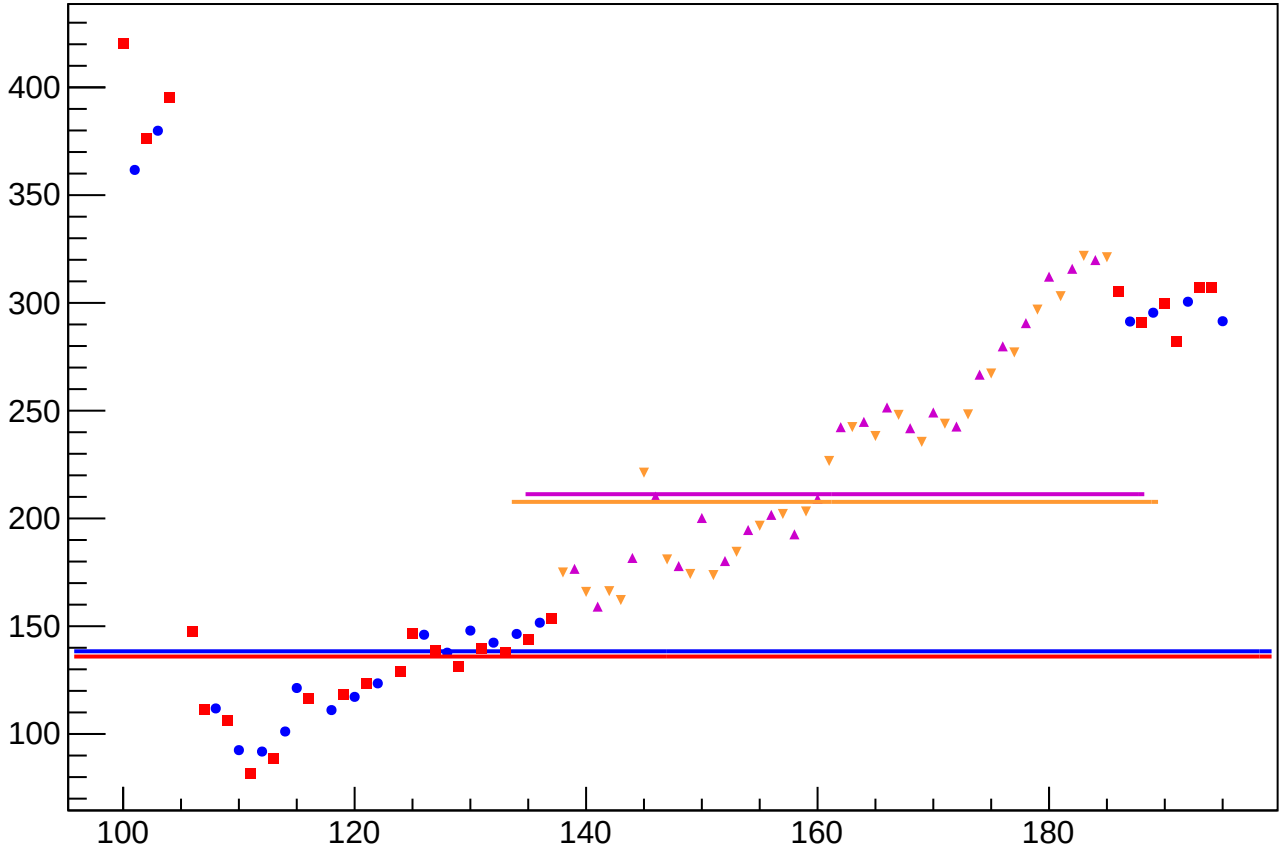
In: 196.131+/-0.027 χ^2/NDF:3060671.9/42

Out: 192.434+/-0.026 χ^2/NDF:3852775.7/49

All: 194.177+/-0.019 χ^2/NDF: 6923231.3/92


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
170
160
150
140
130
100
120
140
160
180
Right In: 137181.916+/-0.049 χ²/NDF: 47918055207.9/19
Left Out: 160851.077+/-0.048 χ²/NDF:99202825178.3/24
Right Out: 137722.201+/-0.046 χ²/NDF: 64826905893.0/24
Left In: 160654.189+/-0.051 χ²/NDF:90149721861.0/22
Left: 160756.959+/-0.035 χ²/NDF: 189360447861.
Right: 137469.833+/-0.034 χ²/NDF: 112809704707
In: 148543.582+/-0.035 χ²/NDF:249063047591.7
Out: 148664.680+/-0.033 χ²/NDF:284203860859.
All: 148607.482+/-0.024 χ²/NDF: 533273150

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 138.370+/-0.035 χ^2/NDF: 3025633.0/19

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 135.935+/-0.032 χ^2/NDF: 4005592.5/24

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

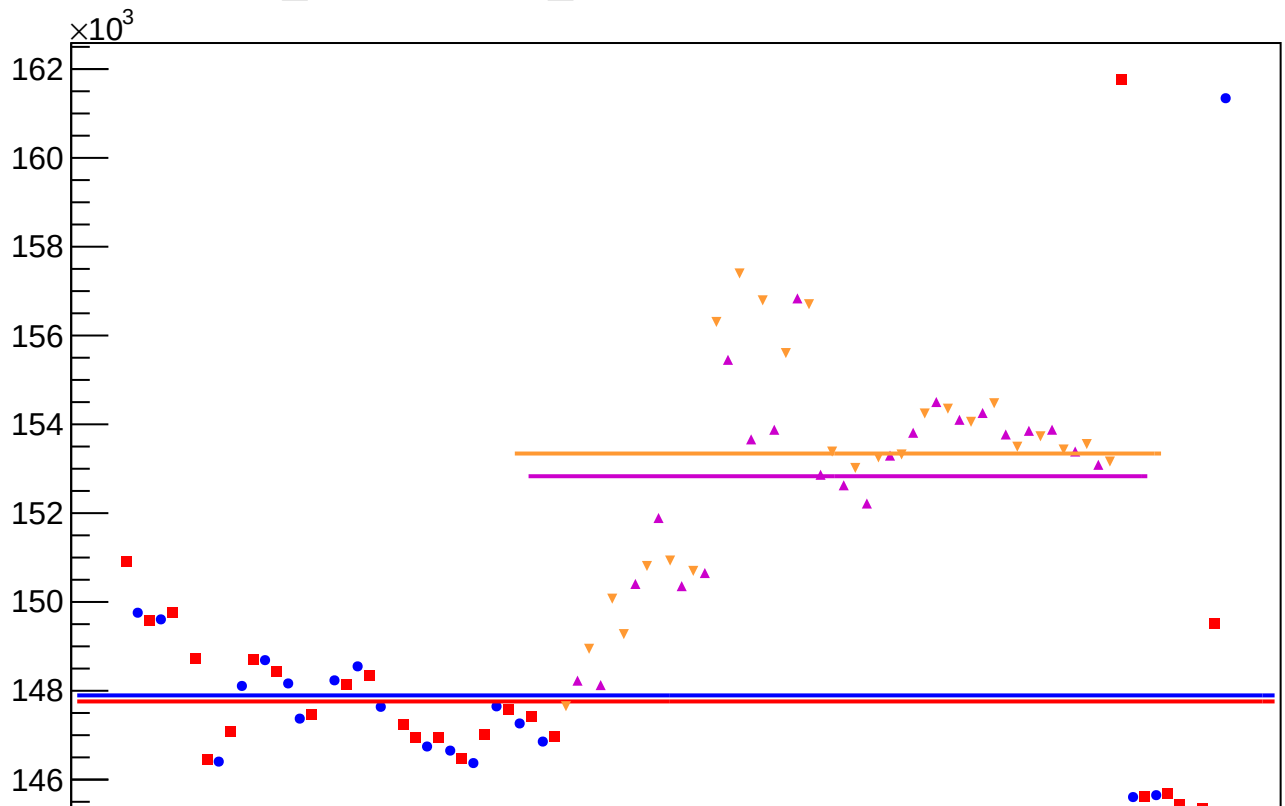
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 137.072+/-0.024 χ^2/NDF: 7033855.0/44

In: 173.649+/-0.025 χ^2/NDF:6471783.0/42

Out: 169.882+/-0.024 χ^2/NDF:7819576.6/49

All: 171.662+/-0.017 χ^2/NDF: 14303438.6/92



Right In: 147895.929+/-0.059 χ^2/NDF: 2187999822.2/19

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 147759.657+/-0.054 χ^2/NDF: 1300333233.0/24

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

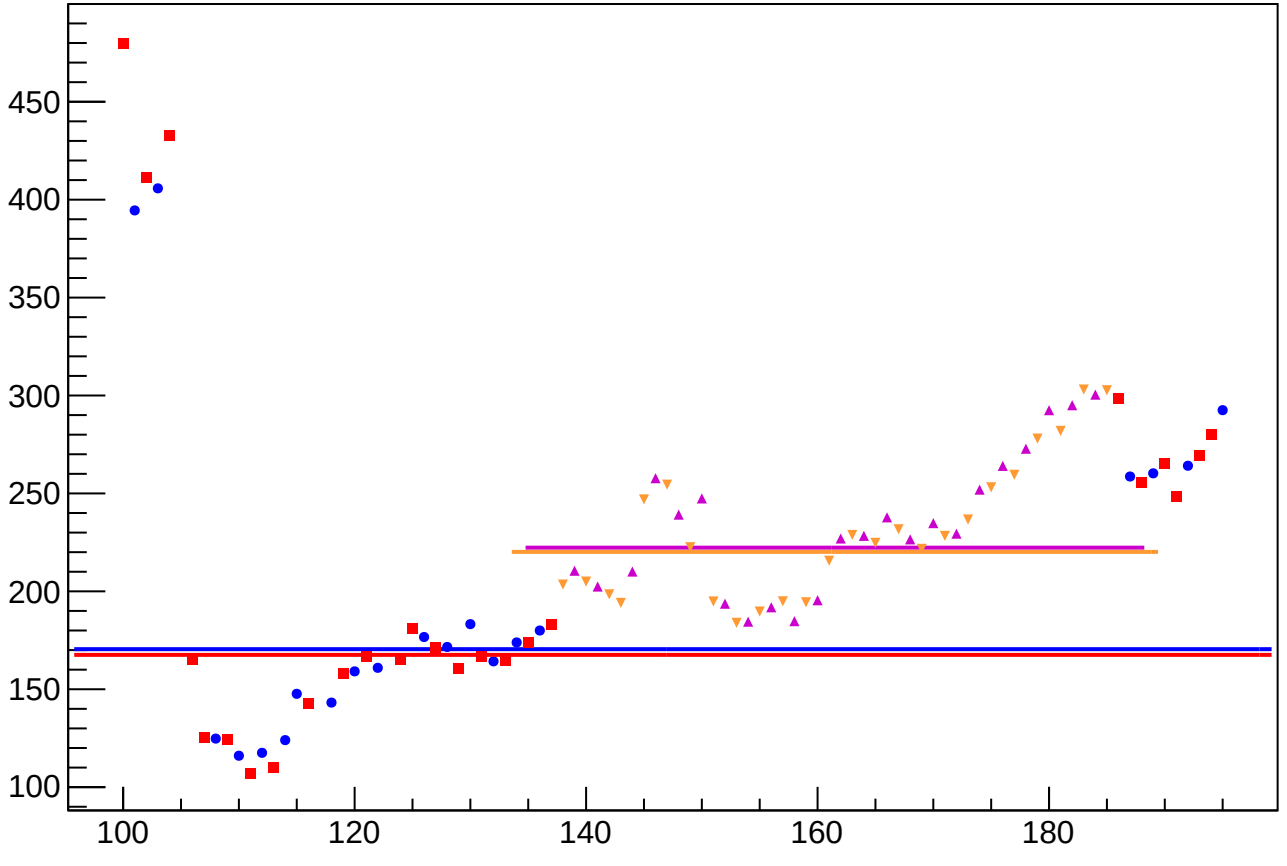
Right: 147822.662+/-0.040 χ^2/NDF: 3491235629.1/

In: 150622.028+/-0.039 χ^2/NDF:8013793298.9/42

Out: 150741.257+/-0.037 χ^2/NDF:9906302570.3/4

All: 150684.944+/-0.027 χ^2/NDF: 17924967

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 170.472+/-0.041 χ^2/NDF: 2071248.6/19

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 167.560+/-0.038 χ^2/NDF: 2672070.6/24

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

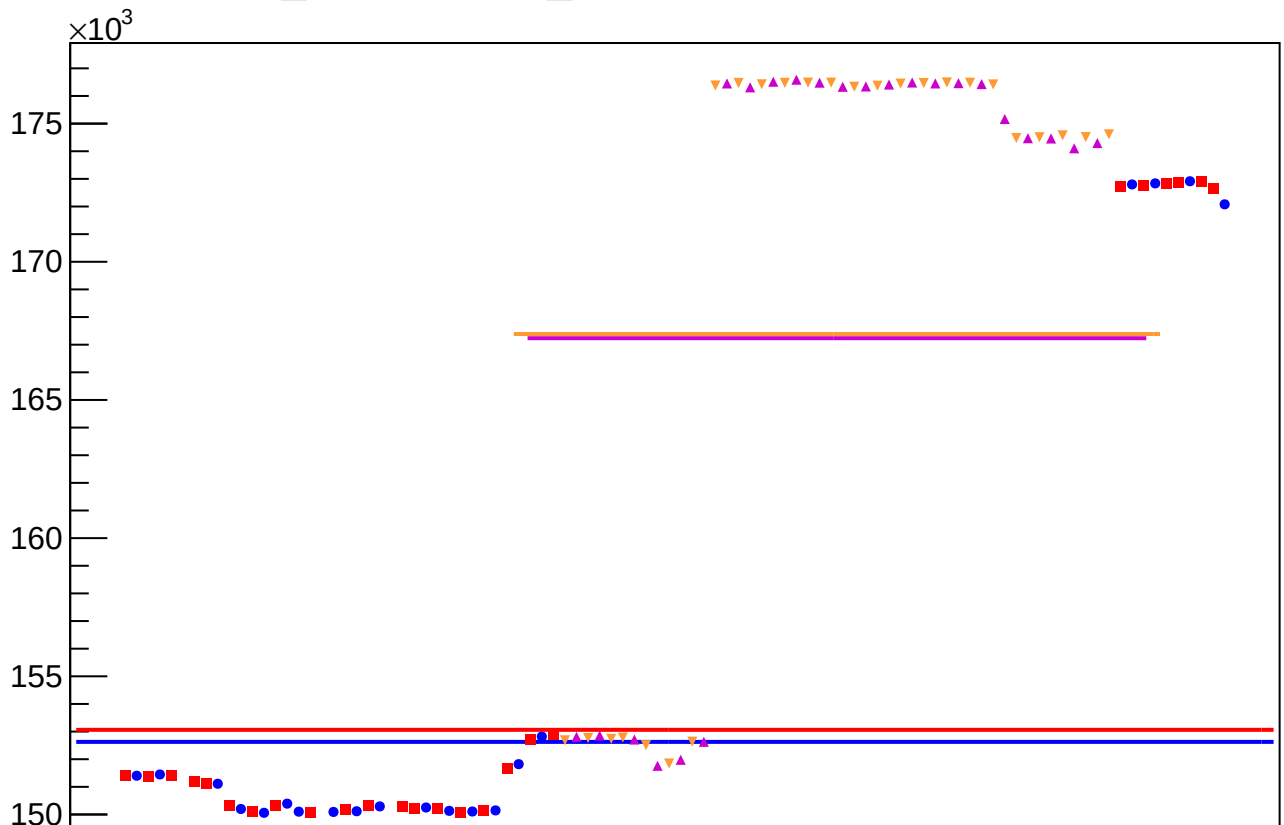
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 168.906+/-0.028 χ^2/NDF: 4745971.1/44

In: 199.102+/-0.028 χ^2/NDF:3631639.6/42

Out: 195.649+/-0.026 χ^2/NDF:4356583.2/49

All: 197.280+/-0.019 χ^2/NDF: 7996390.3/92



Right In: 152627.183+/-0.052 χ^2/NDF: 15452838321.9/19

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153063.735+/-0.048 χ^2/NDF: 21581237330.1/24

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

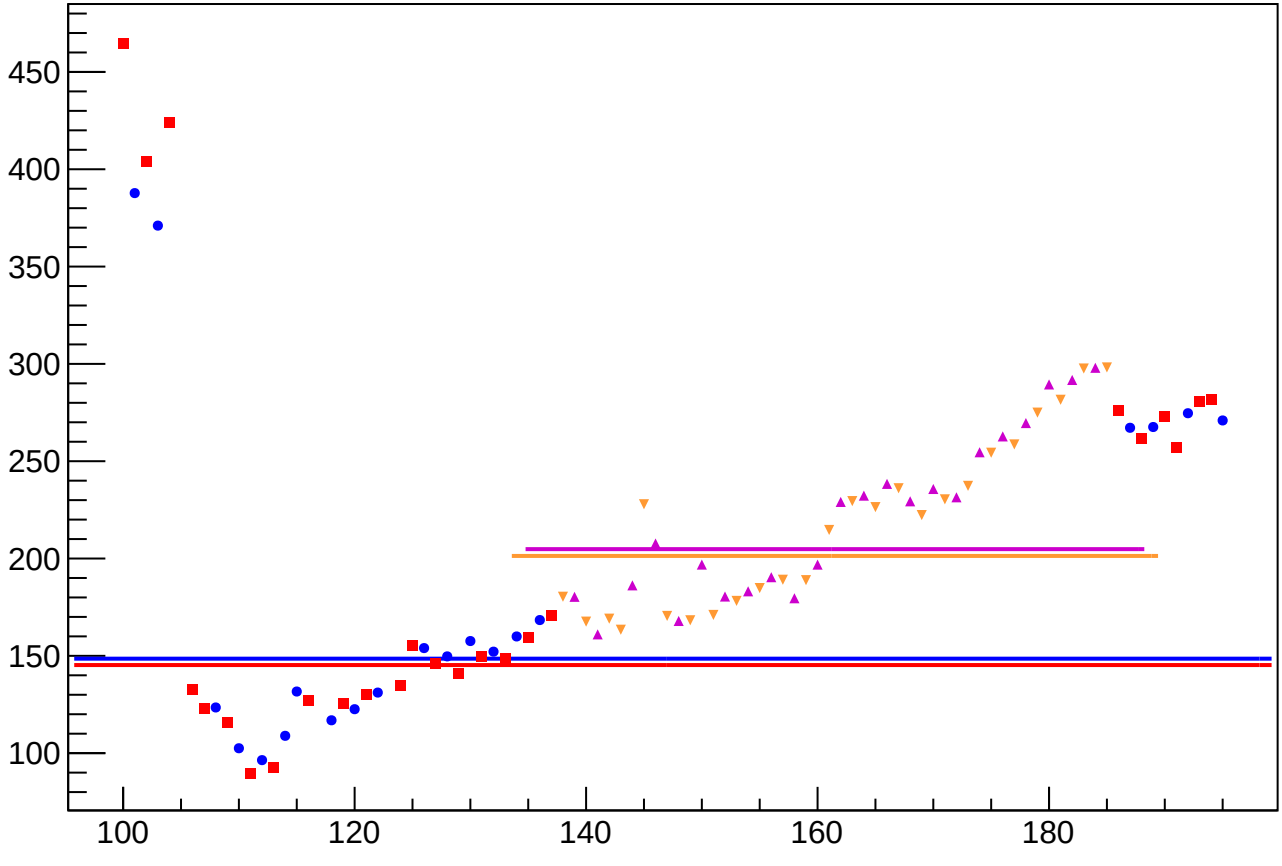
Right: 152862.771+/-0.035 χ^2/NDF: 37072114382.

In: 160383.113+/-0.036 χ^2/NDF:112453927228.2

Out: 160419.886+/-0.033 χ^2/NDF:126862842491.

All: 160402.626+/-0.024 χ^2/NDF: 23931733

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 148.546+/-0.037 χ^2/NDF: 2565703.2/19

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 145.267+/-0.034 χ^2/NDF: 3401488.3/24

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

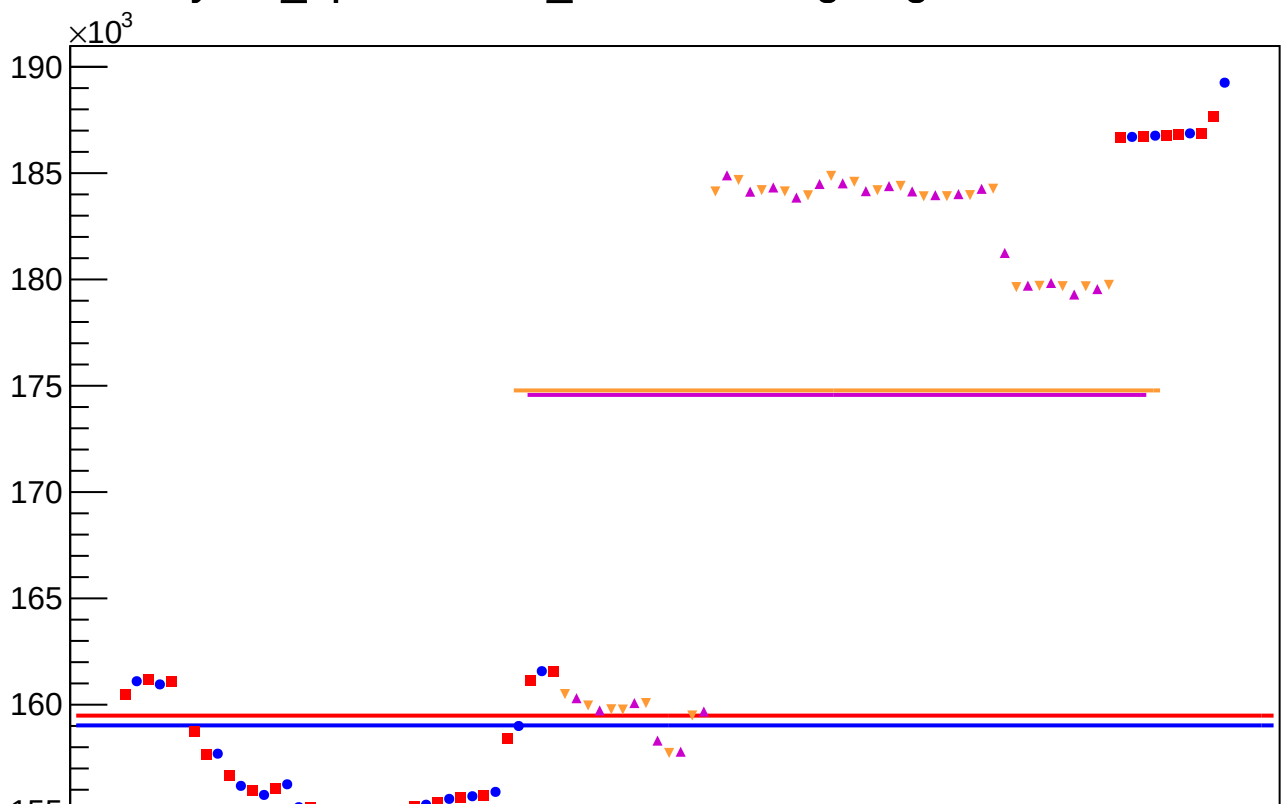
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 146.777+/-0.025 χ^2/NDF: 5971483.2/44

In: 178.429+/-0.025 χ^2/NDF:4862900.4/42

Out: 174.062+/-0.024 χ^2/NDF:6031990.6/49

All: 176.112+/-0.017 χ^2/NDF: 10910849.2/92



Right In: 159025.709+/-0.054 χ^2/NDF: 25926027990.9/19

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 159486.134+/-0.050 χ^2/NDF: 33827259218.9/24

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

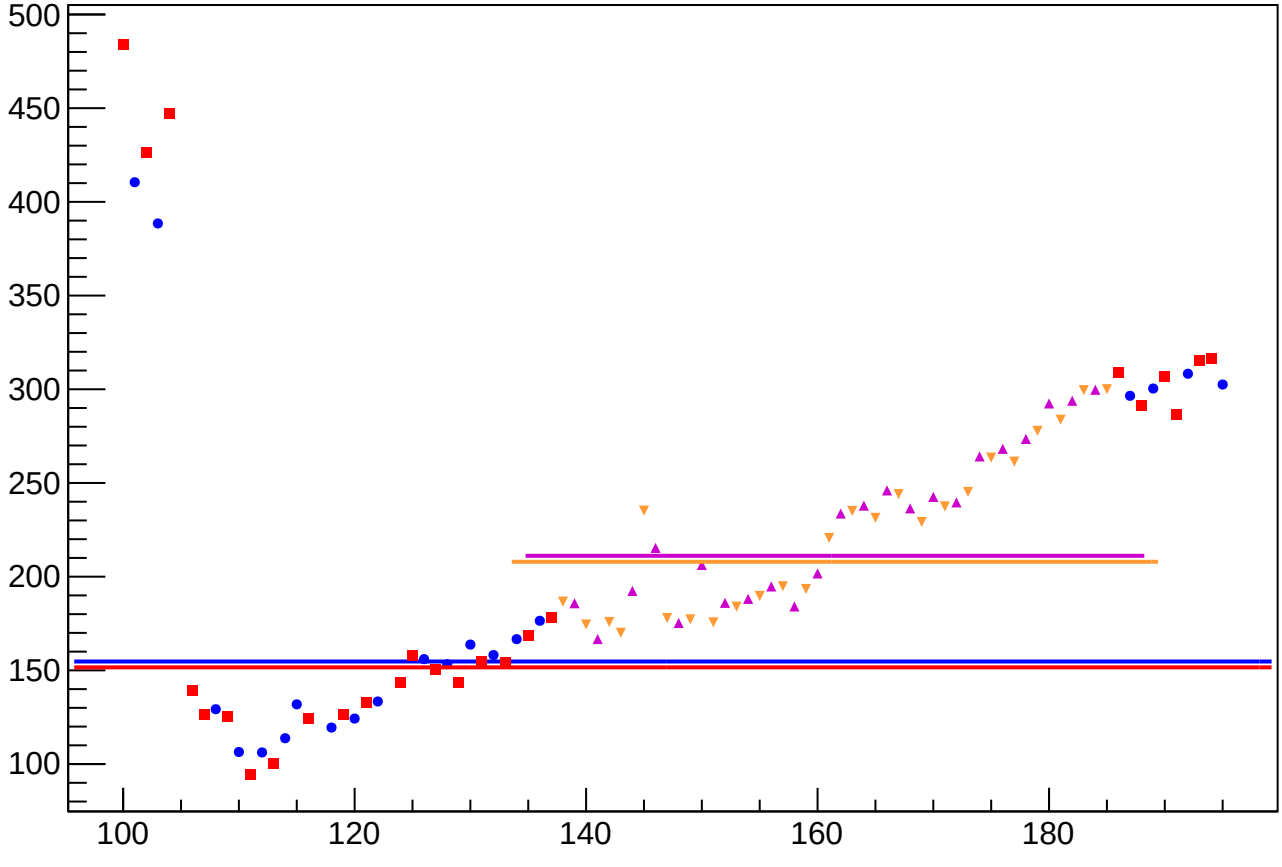
Right: 159273.538+/-0.037 χ^2/NDF: 59791784169.5

In: 167406.327+/-0.037 χ^2/NDF:124634190597.1

Out: 167477.275+/-0.035 χ^2/NDF:140028395207.

All: 167443.889+/-0.025 χ^2/NDF: 26466453

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 154.731+/-0.038 χ^2/NDF: 2726076.9/19

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 151.609+/-0.036 χ^2/NDF: 3622326.7/24

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

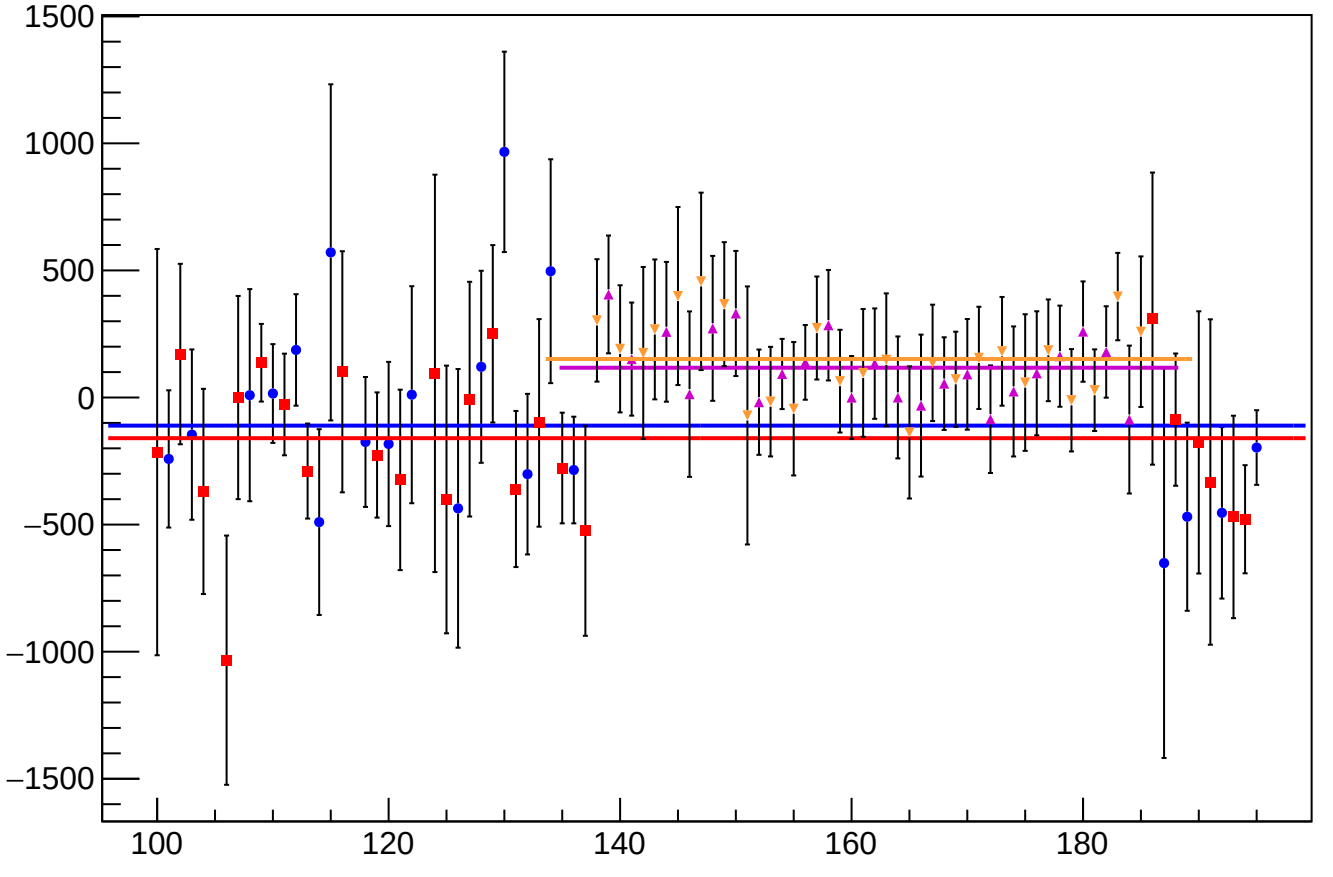
Right: 153.051+/-0.026 χ^2/NDF: 6351944.0/44

In: 185.140+/-0.026 χ^2/NDF:4877077.9/42

Out: 181.041+/-0.025 χ^2/NDF:6058533.1/49

All: 182.970+/-0.018 χ^2/NDF: 10948636.4/92

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -110.627+/-65.286 χ^2/NDF: 18.9/19

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -160.008+/-61.375 χ^2/NDF: 16.8/24

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

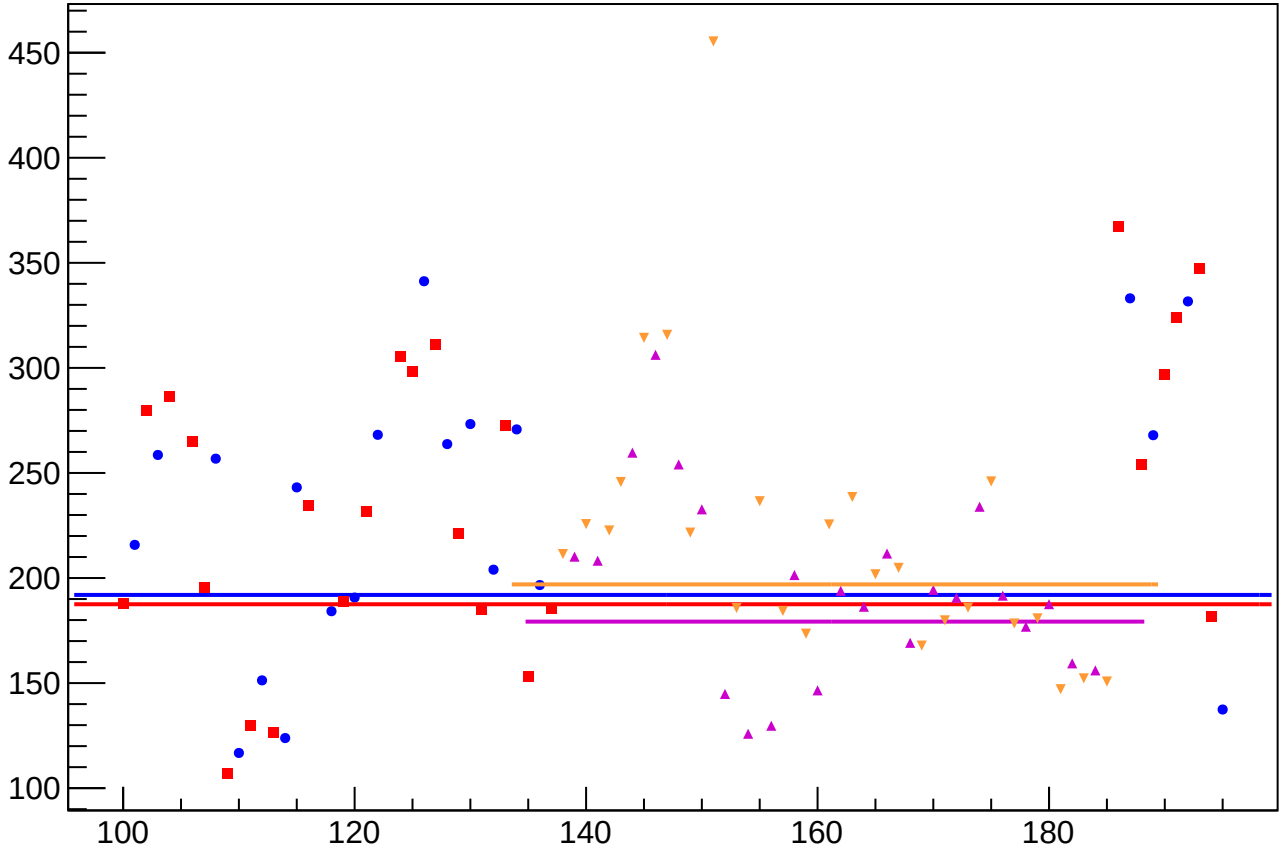
Right: -136.841+/-44.717 χ^2/NDF: 36.0/44

In: 46.508+/-36.360 χ^2/NDF:34.8/42

Out: 38.212+/-37.023 χ^2/NDF:42.8/49

All: 42.435+/-25.942 χ^2/NDF: 77.6/92

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 191.961+/-0.046 χ^2/NDF: 1802820.0/19

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 187.520+/-0.043 χ^2/NDF: 2556491.4/24

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

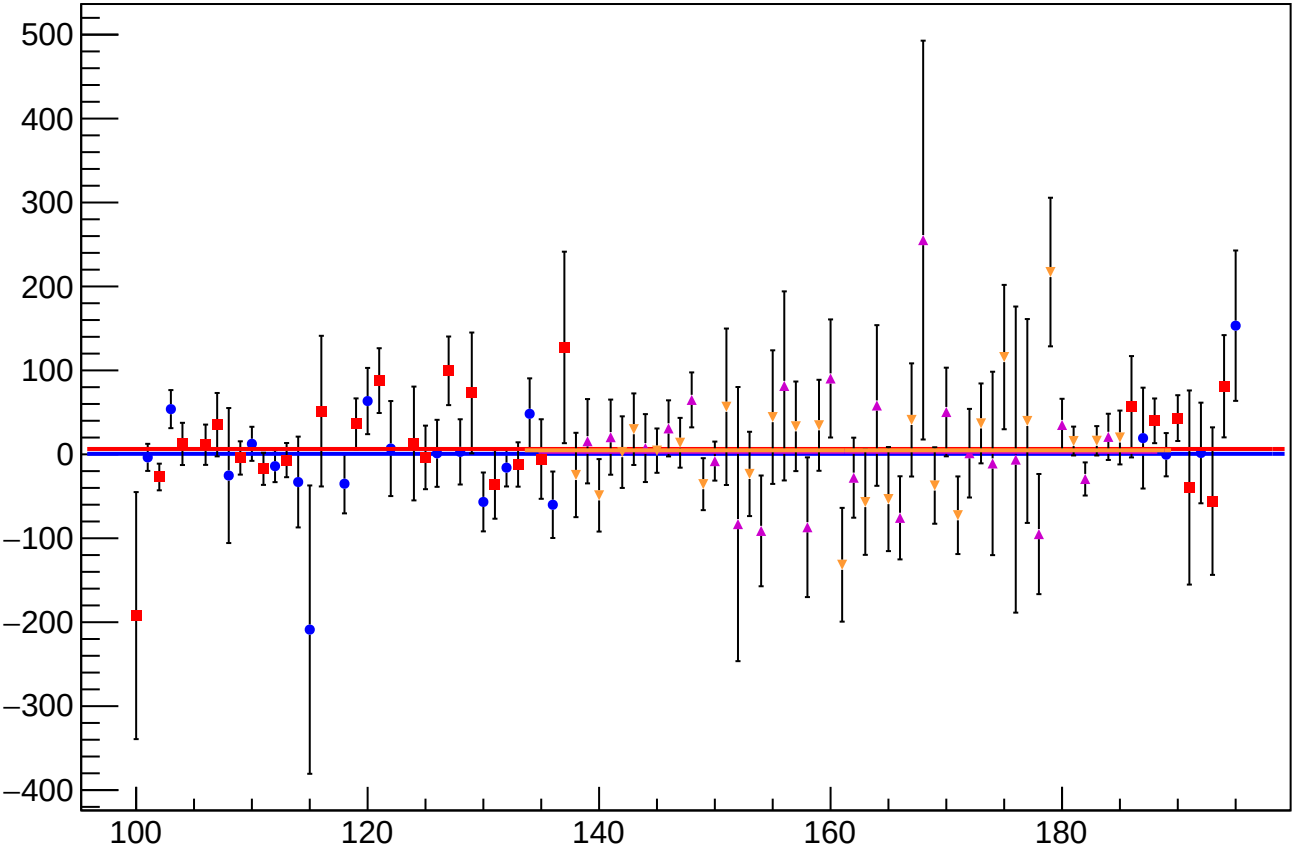
Right: 189.603+/-0.032 χ^2/NDF: 4364223.0/44

In: 183.197+/-0.026 χ^2/NDF:3511089.9/42

Out: 193.535+/-0.026 χ^2/NDF:4395993.2/49

All: 188.272+/-0.018 χ^2/NDF: 7986465.3/92

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: 0.611+/-6.943 χ^2/NDF: 21.9/19

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 6.394+/-6.282 χ^2/NDF: 30.0/24

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

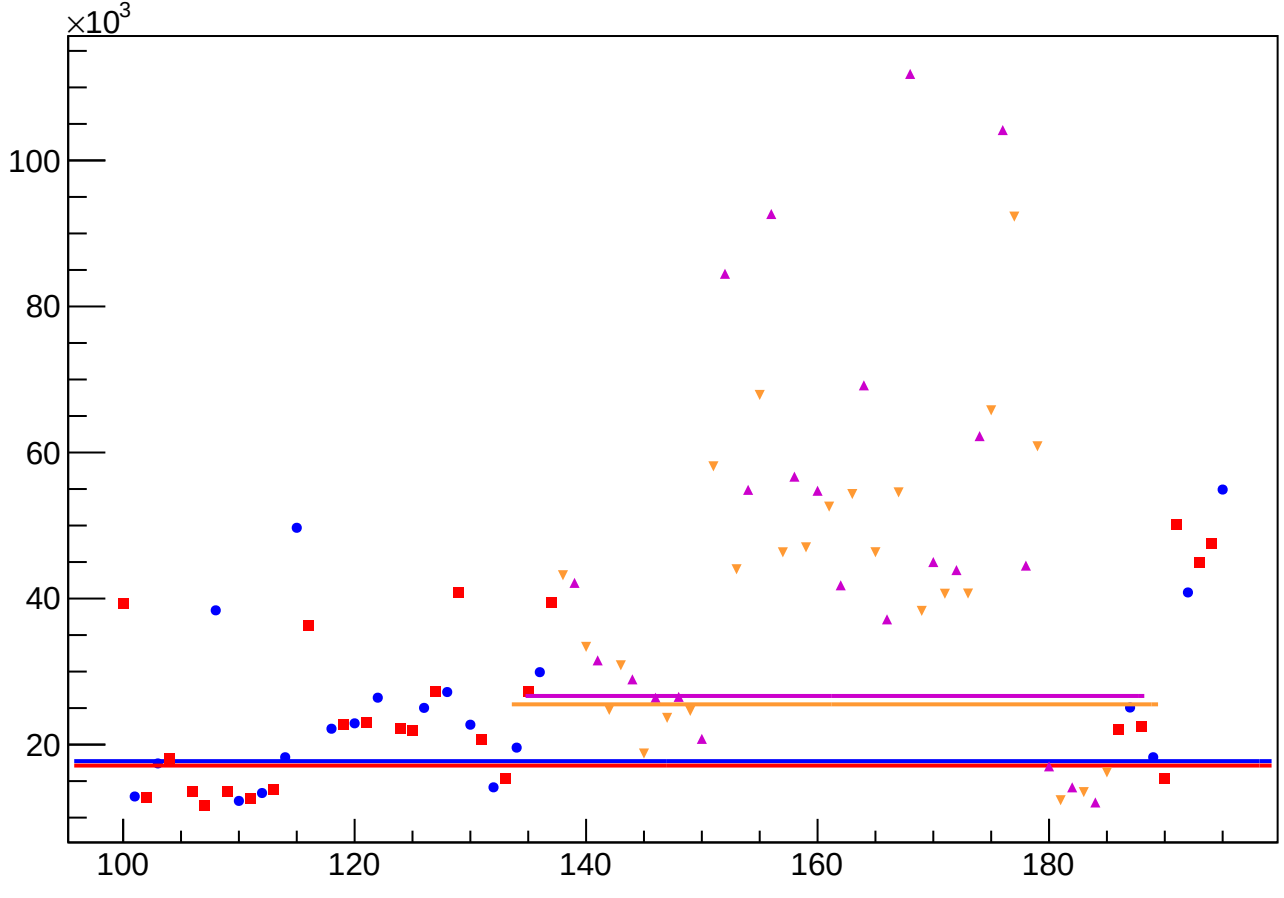
Right: 3.791+/-4.658 χ^2/NDF: 52.3/44

In: 1.491+/-5.460 χ^2/NDF:43.5/42

Out: 5.749+/-4.842 χ^2/NDF:54.3/49

All: 3.874+/-3.623 χ^2/NDF: 98.1/92

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 17735.175+/-4.910 χ^2/NDF: 1887333.4/19

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 17129.470+/-4.442 χ^2/NDF: 2253805.7/24

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

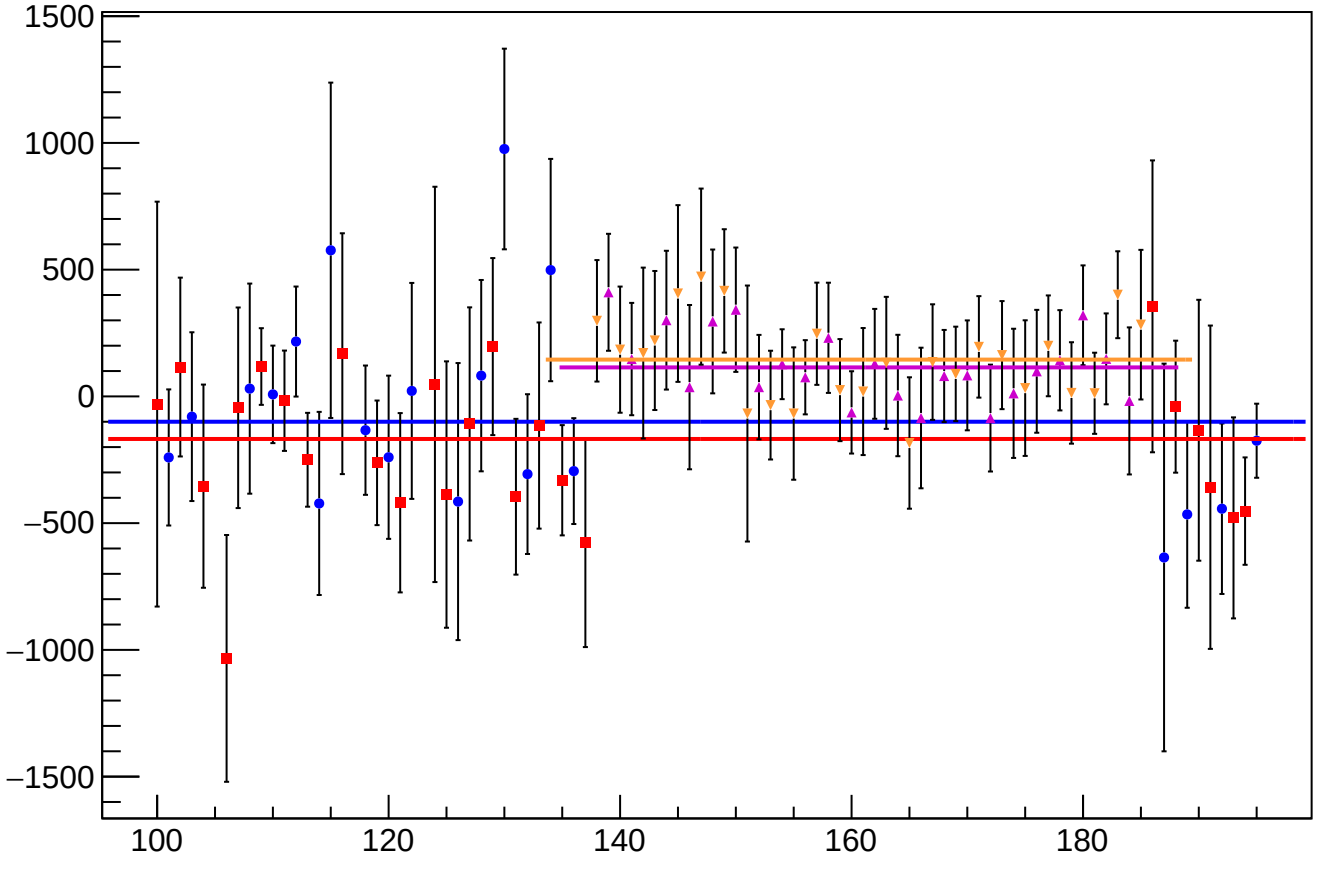
Right: 17402.123+/-3.294 χ^2/NDF: 4149508.6/44

In: 21140.425+/-3.861 χ^2/NDF:9031529.8/42

Out: 20531.716+/-3.424 χ^2/NDF:11441838.7/49

All: 20799.687+/-2.562 χ^2/NDF: 20487281.6

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -99.939+/-64.933 χ^2/NDF: 18.8/19

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -167.935+/-61.038 χ^2/NDF: 16.7/24

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

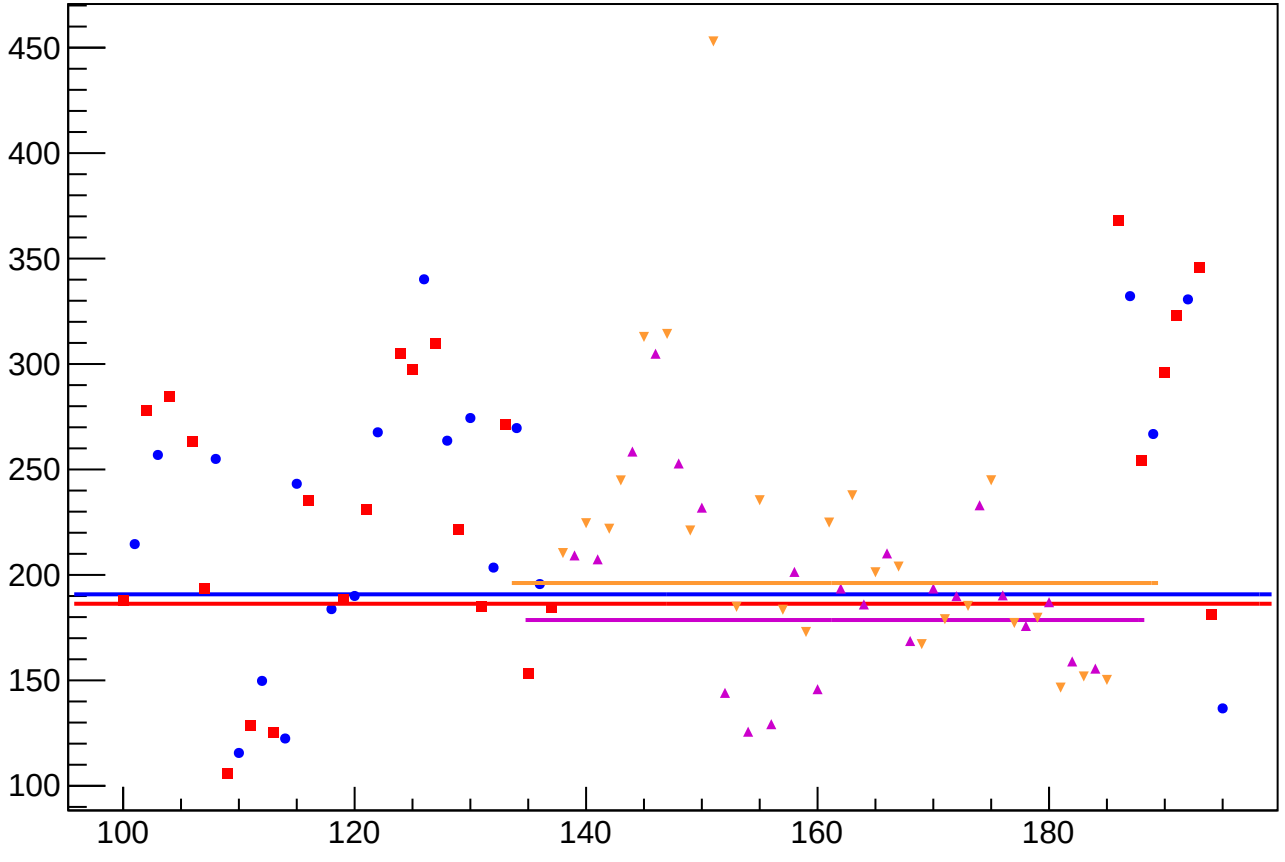
Right: -136.038+/-44.474 χ^2/NDF: 36.1/44

In: 47.753+/-36.208 χ^2/NDF:34.7/42

Out: 31.049+/-36.851 χ^2/NDF:44.6/49

All: 39.548+/-25.827 χ^2/NDF: 79.5/92

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 190.803+/-0.046 χ^2/NDF: 1825925.9/19

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 186.329+/-0.043 χ^2/NDF: 2591783.7/24

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

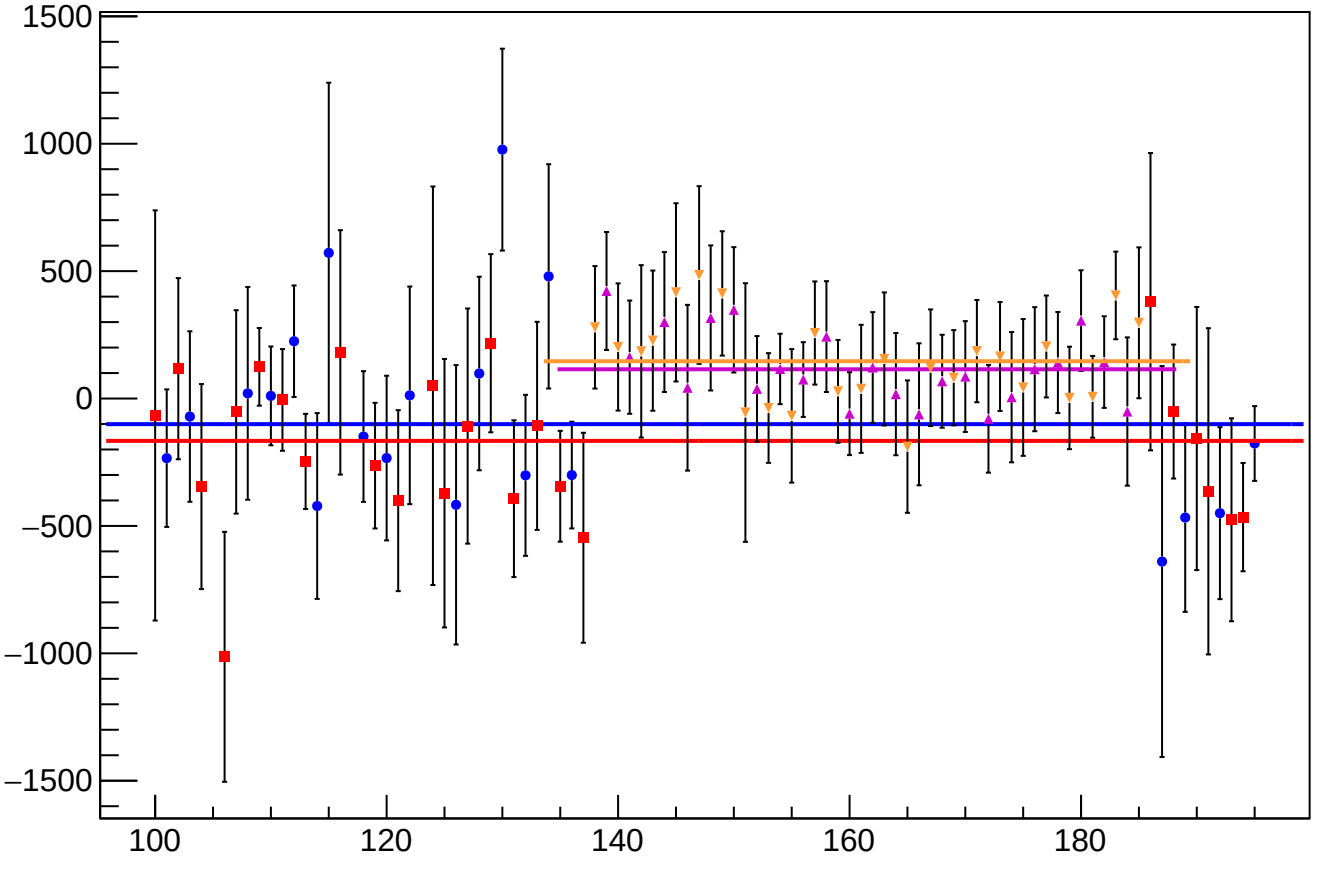
Right: 188.428+/-0.031 χ^2/NDF: 4422751.3/44

In: 182.409+/-0.026 χ^2/NDF:3526309.5/42

Out: 192.580+/-0.026 χ^2/NDF:4431665.0/49

All: 187.405+/-0.018 χ^2/NDF: 8035499.8/92

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -100.544+/-65.266 χ^2/NDF: 18.8/19

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -166.239+/-61.382 χ^2/NDF: 16.8/24

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

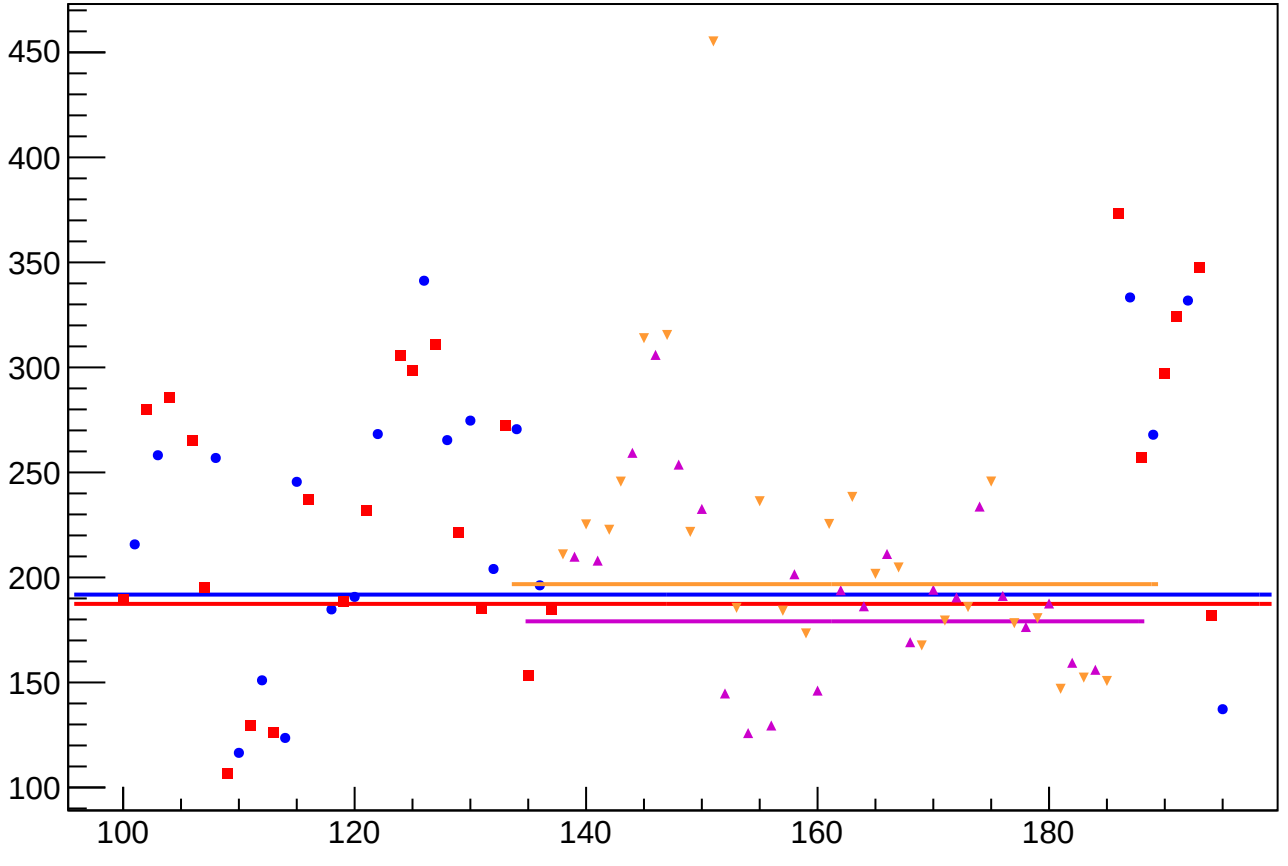
Right: -135.404+/-44.714 χ^2/NDF: 36.1/44

In: 48.061+/-36.335 χ^2/NDF:34.7/42

Out: 32.793+/-37.004 χ^2/NDF:44.7/49

All: 40.566+/-25.926 χ^2/NDF: 79.5/92

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 191.834+/-0.046 χ^2/NDF: 1815521.2/19

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 187.408+/-0.043 χ^2/NDF: 2584822.8/24

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

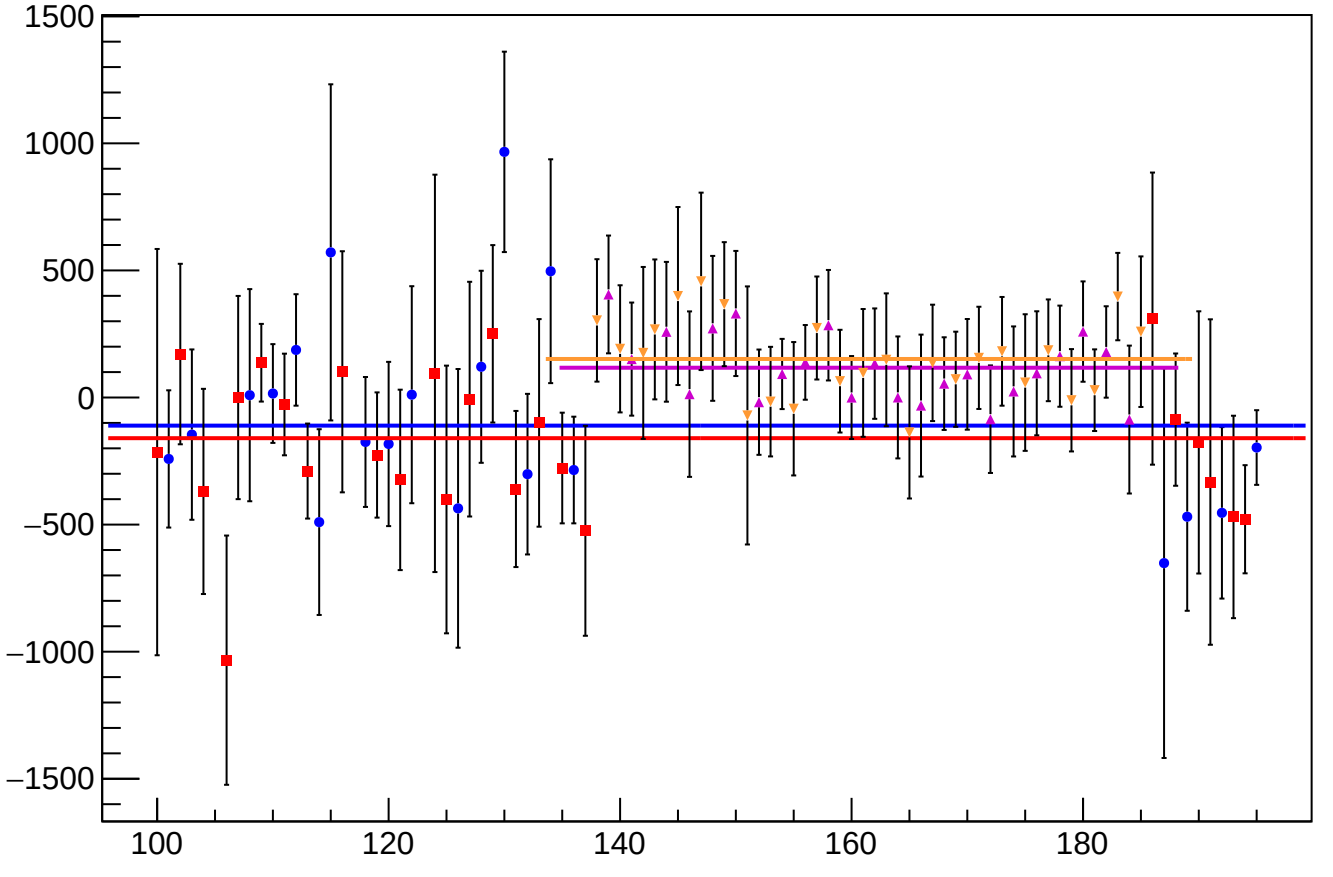
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 189.485+/-0.032 χ^2/NDF: 4405222.9/44

In: 183.047+/-0.026 χ^2/NDF:3523914.7/42

Out: 193.390+/-0.026 χ^2/NDF:4423269.9/49

All: 188.124+/-0.018 χ^2/NDF: 8026737.5/92



Right In: -110.627+/-65.286 χ^2/NDF: 18.9/19

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -160.008+/-61.375 χ^2/NDF: 16.8/24

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

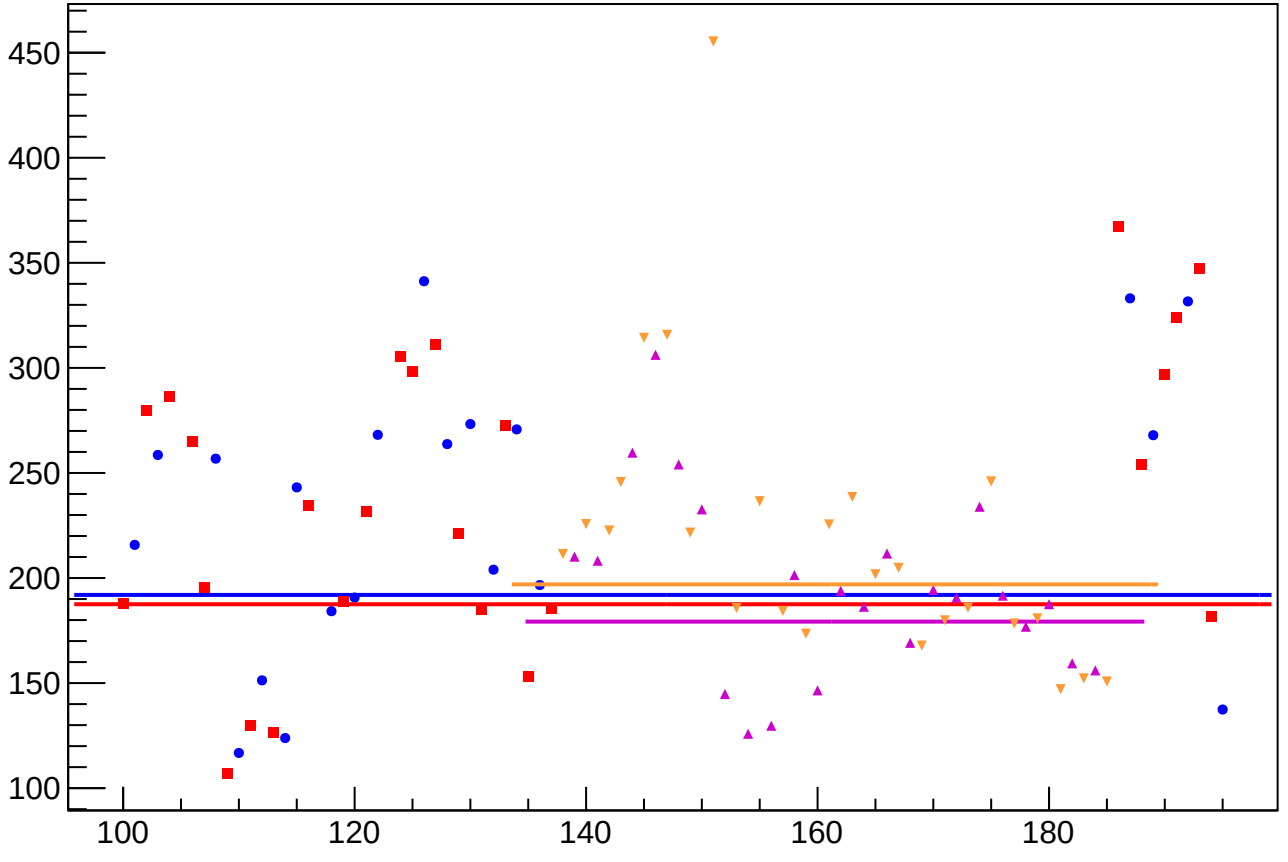
Right: -136.841+/-44.717 χ^2/NDF: 36.0/44

In: 46.508+/-36.360 χ^2/NDF:34.8/42

Out: 38.212+/-37.023 χ^2/NDF:42.8/49

All: 42.435+/-25.942 χ^2/NDF: 77.6/92

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 191.961+/-0.046 χ^2/NDF: 1802820.0/19

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 187.520+/-0.043 χ^2/NDF: 2556491.4/24

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

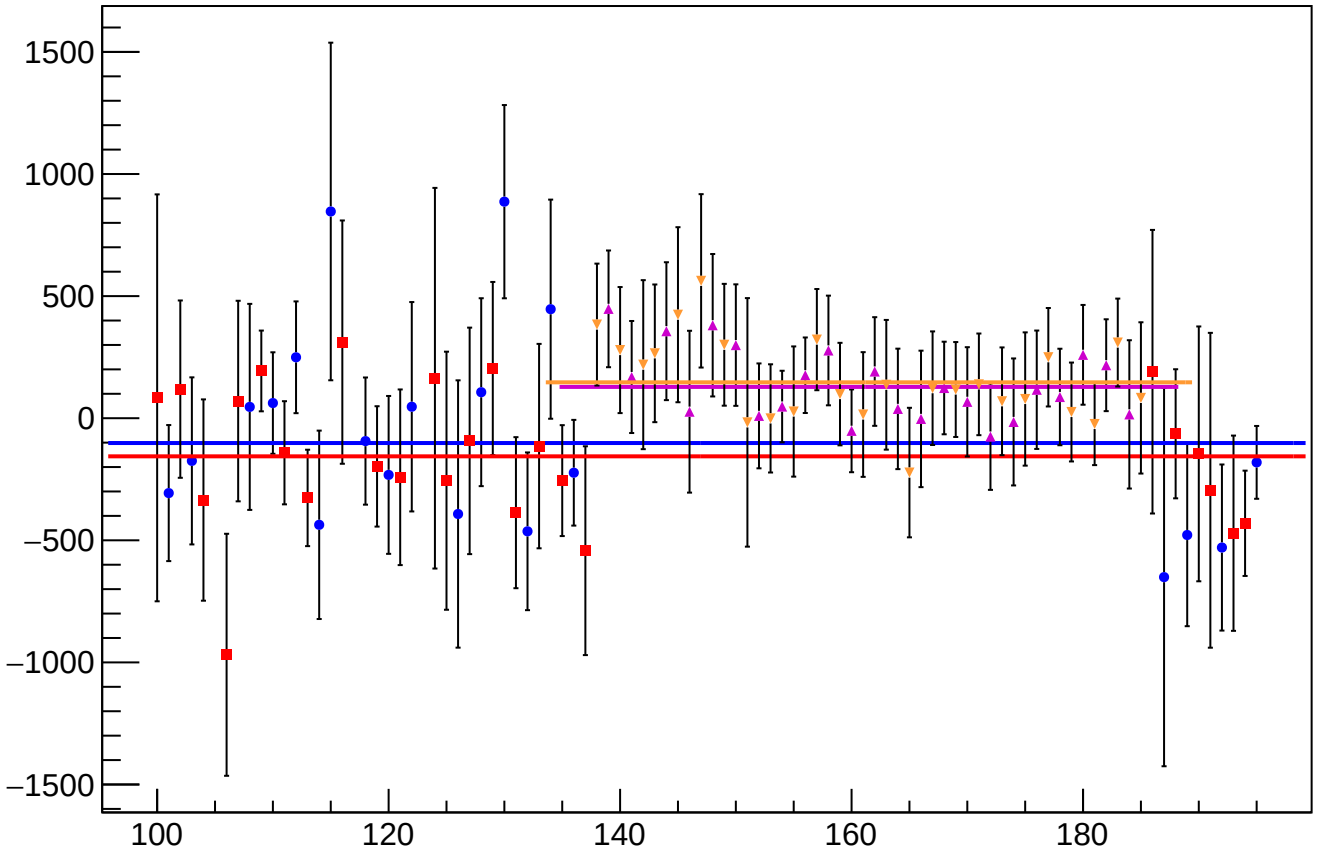
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 189.603+/-0.032 χ^2/NDF: 4364223.0/44

In: 183.197+/-0.026 χ^2/NDF:3511089.9/42

Out: 193.535+/-0.026 χ^2/NDF:4395993.2/49

All: 188.272+/-0.018 χ^2/NDF: 7986465.3/92



Right In: -101.622+/-67.010 χ^2/NDF: 19.9/19

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -156.141+/-63.528 χ^2/NDF: 15.6/24

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

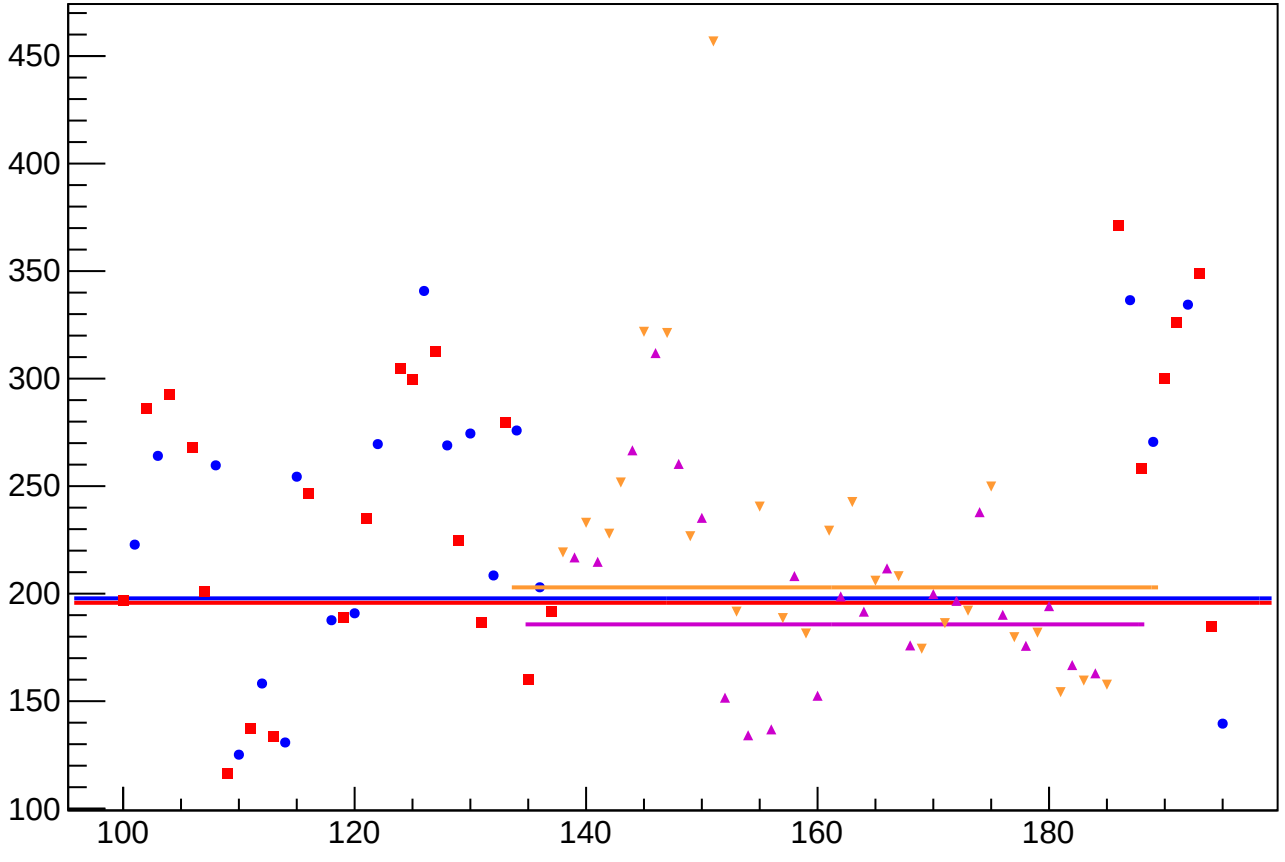
Right: -130.335+/-46.103 χ^2/NDF: 35.8/44

In: 56.305+/-37.472 χ^2/NDF:36.5/42

Out: 37.667+/-38.149 χ^2/NDF:40.4/49

All: 47.153+/-26.733 χ^2/NDF: 77.0/92

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 197.811+/-0.047 χ^2/NDF: 1684000.7/19

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 195.750+/-0.045 χ^2/NDF: 2278186.0/24

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

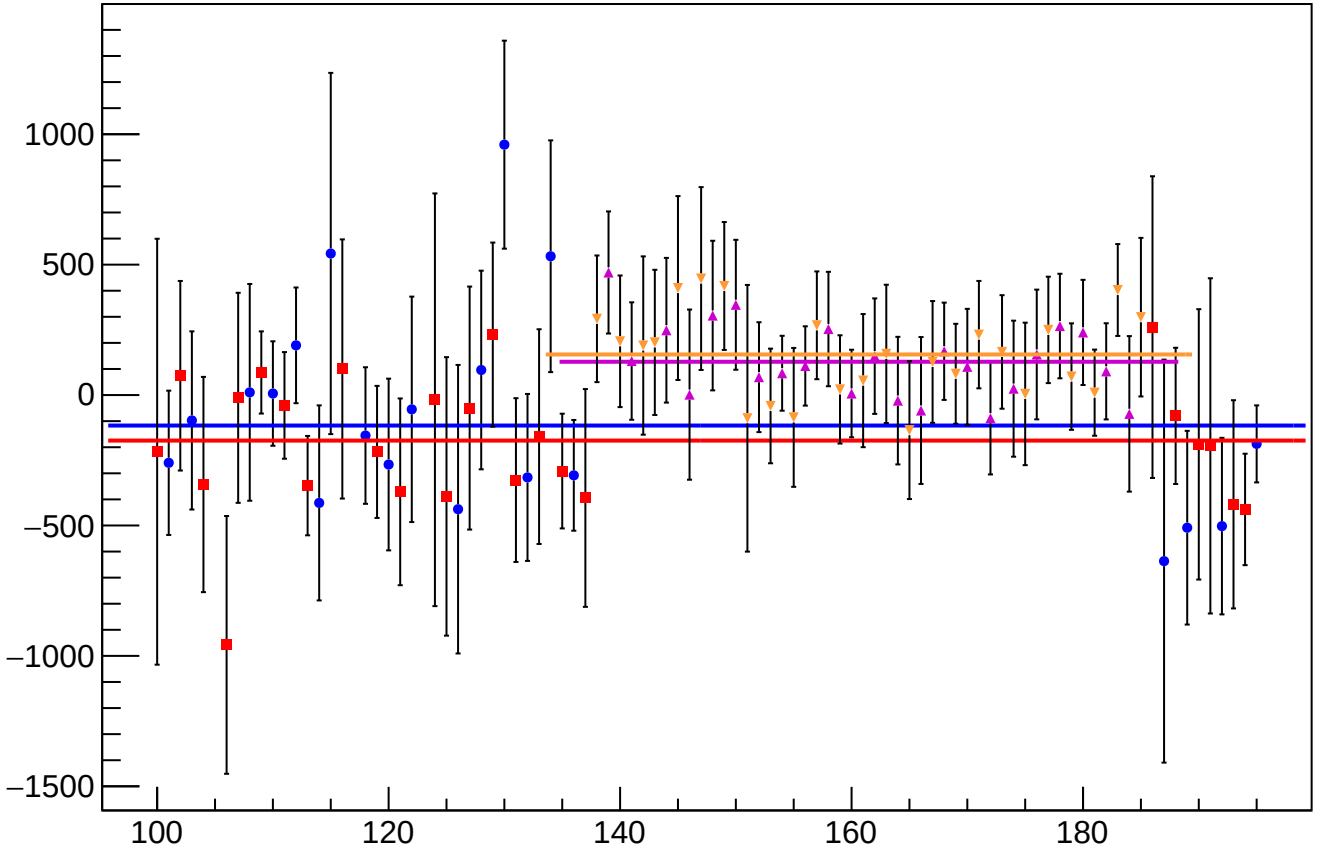
Right: 196.726+/-0.033 χ^2/NDF: 3963183.9/44

In: 189.498+/-0.026 χ^2/NDF:3218274.1/42

Out: 200.334+/-0.027 χ^2/NDF:3994593.4/49

All: 194.819+/-0.019 χ^2/NDF: 7294996.0/92

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -116.860+/-66.209 χ^2/NDF: 18.8/19

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -174.504+/-62.421 χ^2/NDF: 12.9/24

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

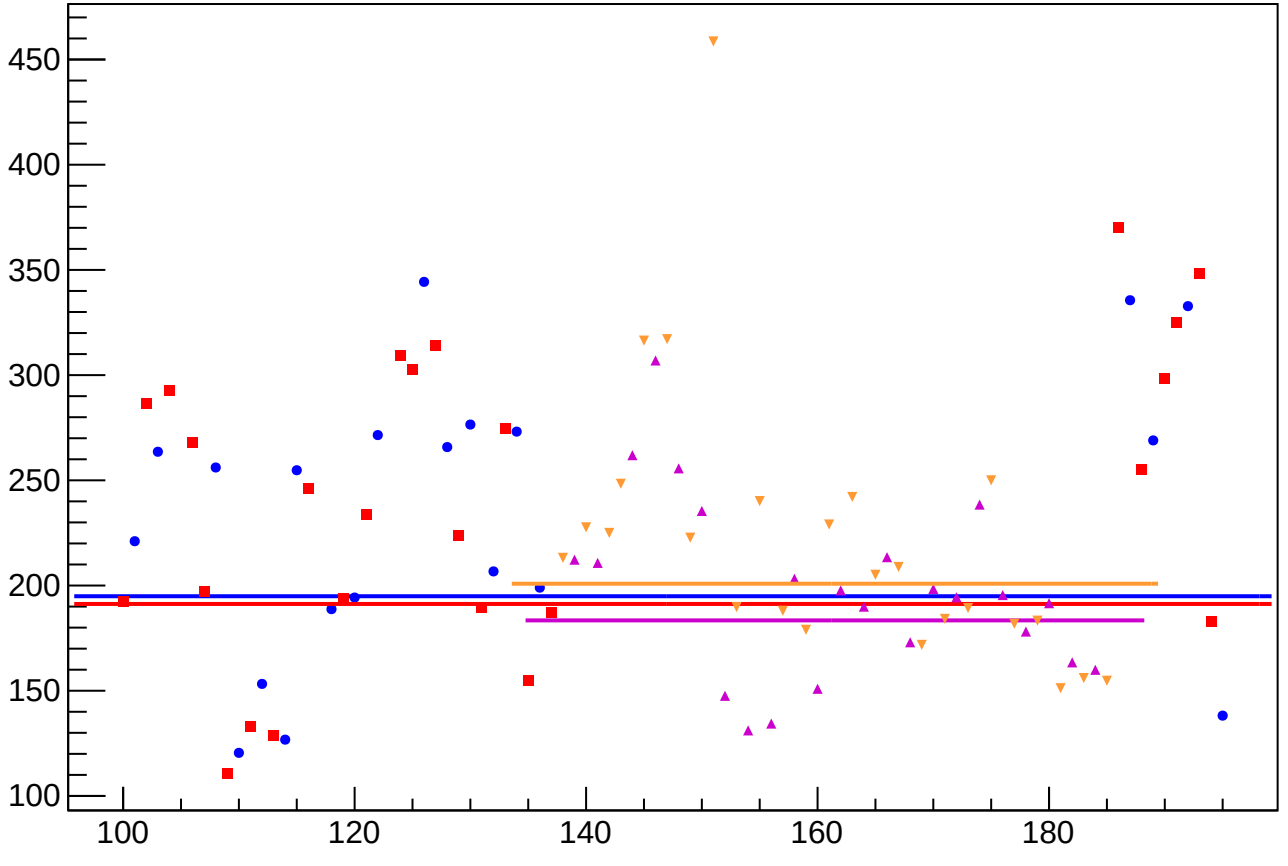
Right: -147.378+/-45.419 χ^2/NDF: 32.2/44

In: 51.107+/-37.046 χ^2/NDF:36.2/42

Out: 35.341+/-37.681 χ^2/NDF:41.4/49

All: 43.358+/-26.417 χ^2/NDF: 77.6/92

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 194.914+/-0.047 χ^2/NDF: 1772008.1/19

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 191.243+/-0.044 χ^2/NDF: 2478535.5/24

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

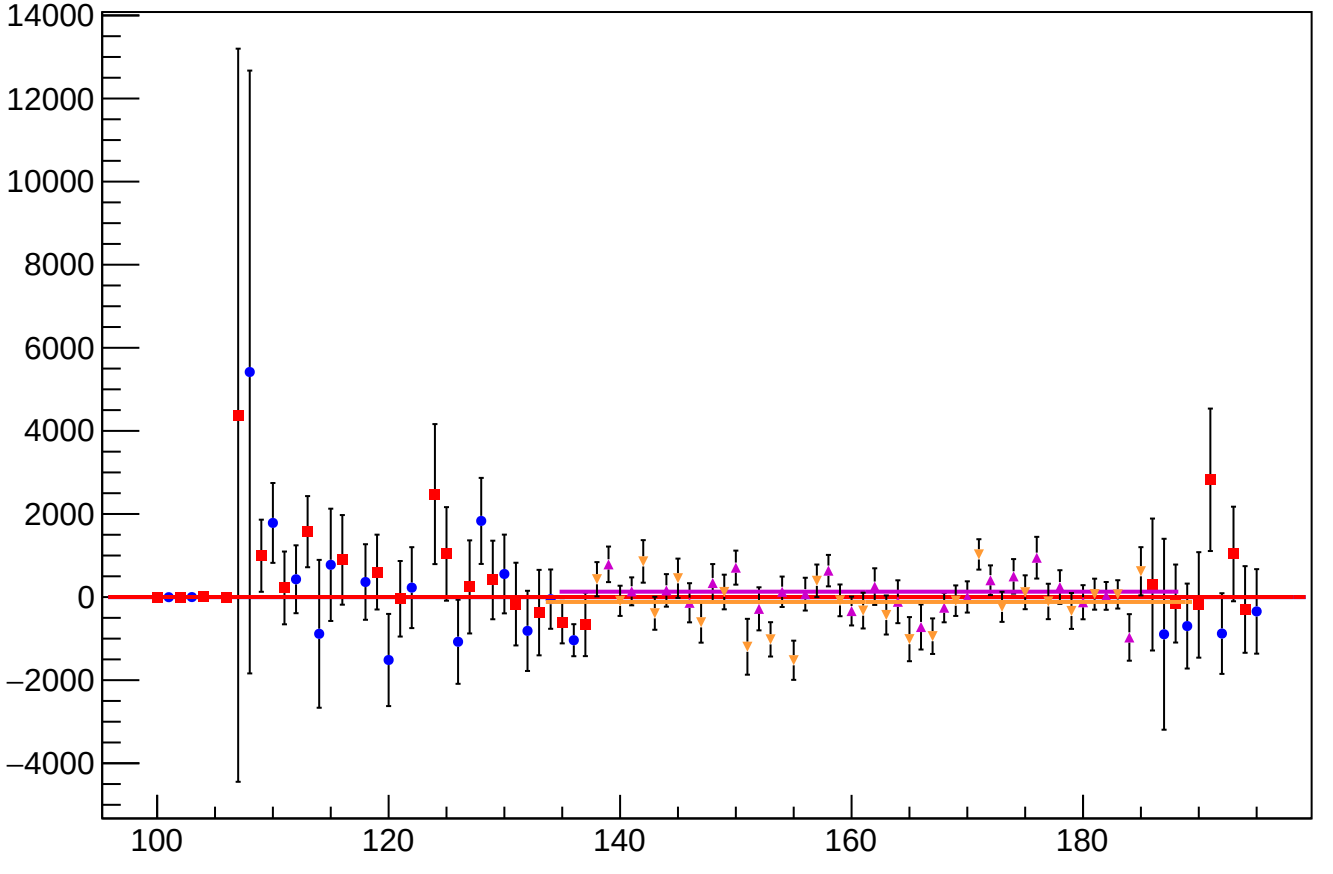
Right: 192.971+/-0.032 χ^2/NDF: 4253797.1/44

In: 187.027+/-0.026 χ^2/NDF:3343992.4/42

Out: 197.359+/-0.027 χ^2/NDF:4236139.9/49

All: 192.105+/-0.019 χ^2/NDF: 7656583.5/92

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.249+/-2.171 χ^2/NDF: 21.5/19

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.383+/-2.022 χ^2/NDF: 20.6/24

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

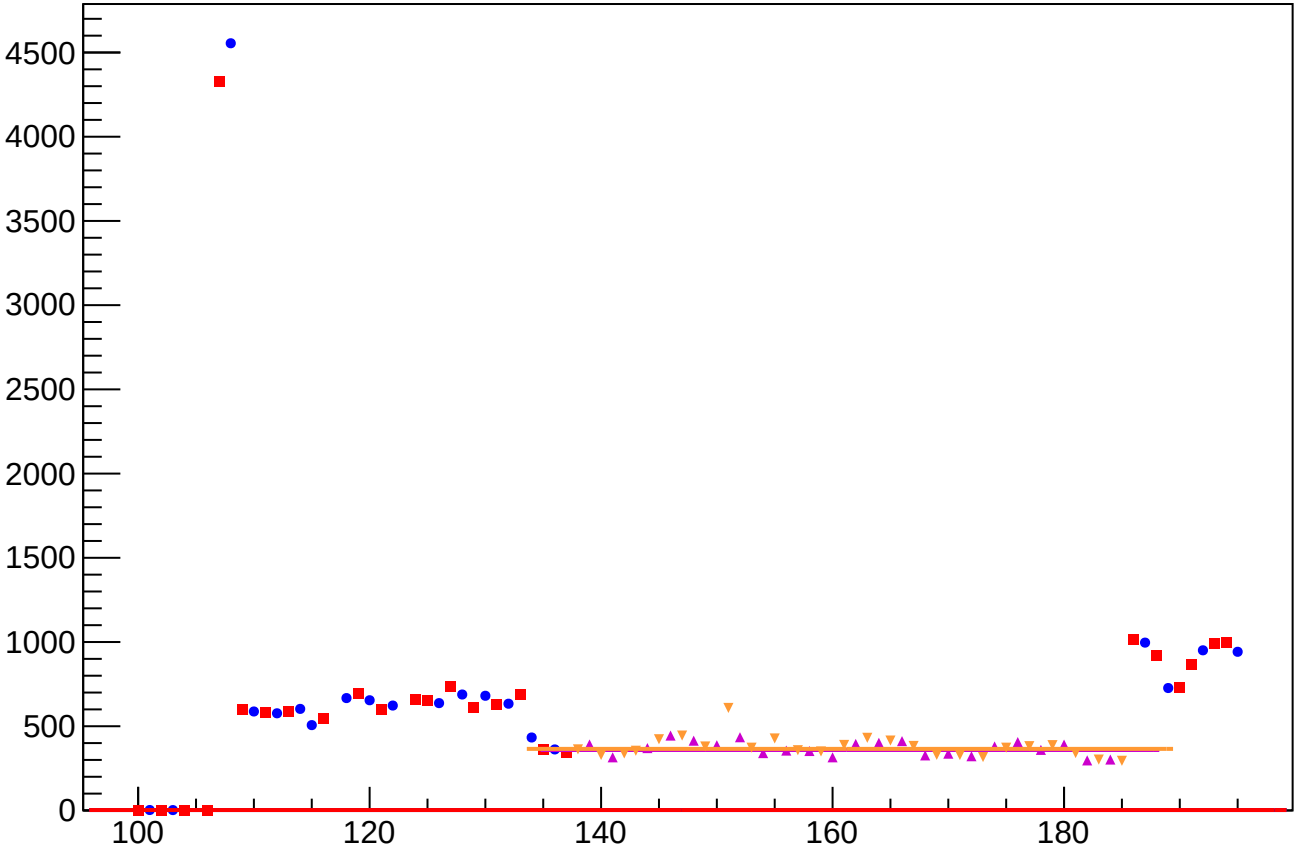
Right: 0.160+/-1.480 χ^2/NDF: 42.8/44

In: -1.164+/-2.170 χ^2/NDF:45.5/42

Out: 1.314+/-2.022 χ^2/NDF:68.9/49

All: 0.163+/-1.479 χ^2/NDF: 115.1/92

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.490+/-0.002 χ^2/NDF: 16619600.0/19

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.478+/-0.001 χ^2/NDF: 18743653.2/24

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

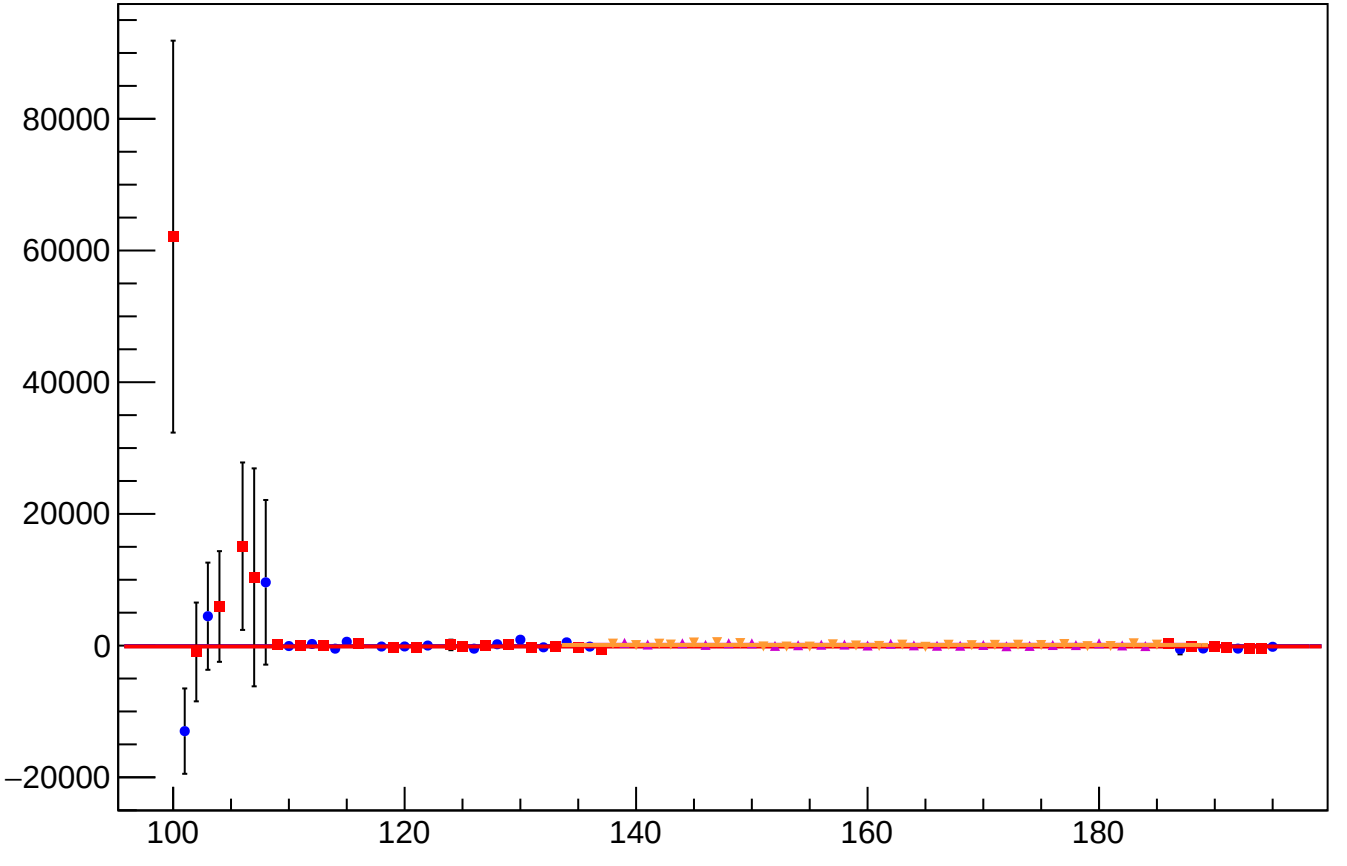
Right: 2.484+/-0.001 χ^2/NDF: 35363285.4/44

In: 2.722+/-0.002 χ^2/NDF:52169235.8/42

Out: 2.687+/-0.001 χ^2/NDF:56581591.6/49

All: 2.703+/-0.001 χ^2/NDF: 108751099.2/92

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -78.370+/-73.570 χ^2/NDF: 20.5/19

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -130.112+/-71.114 χ^2/NDF: 18.1/24

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

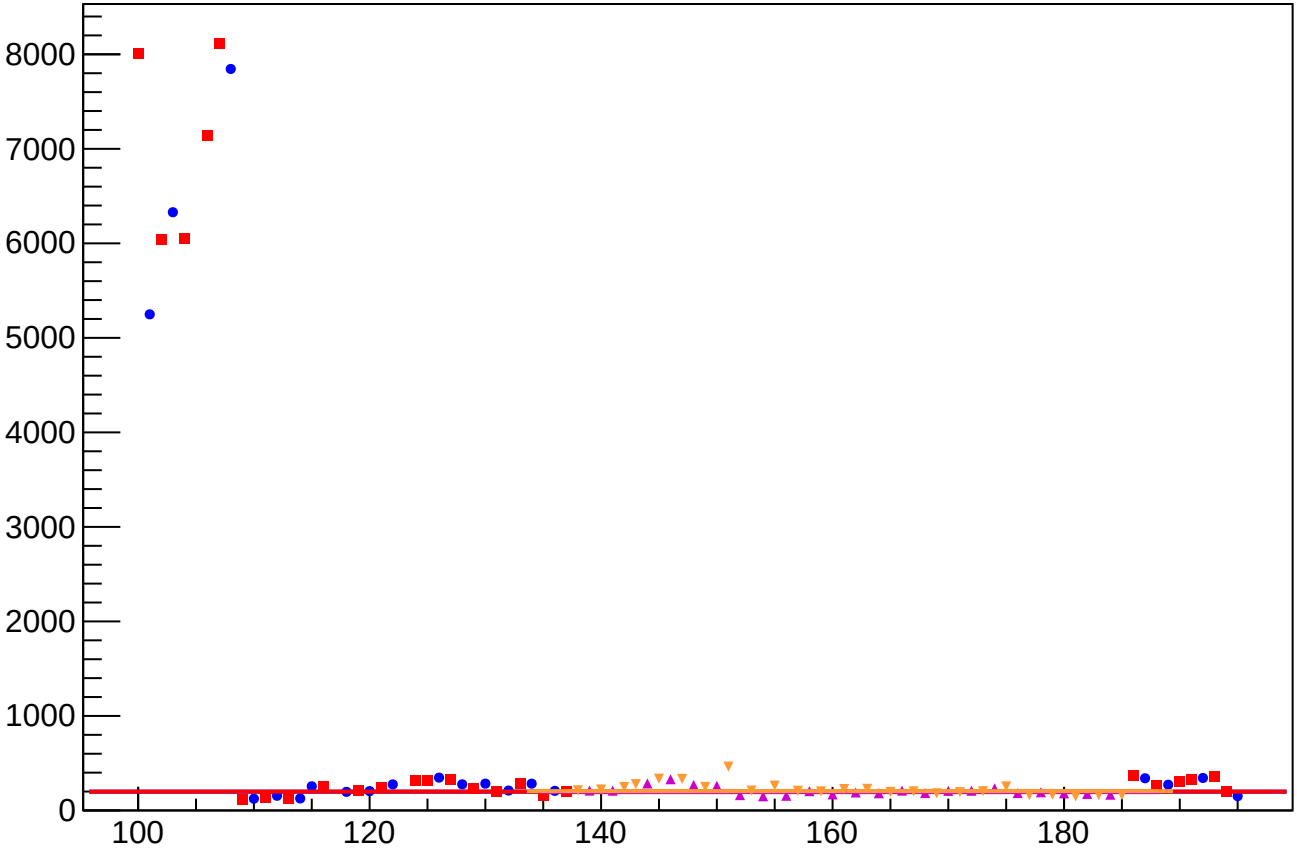
Right: -105.119+/-51.131 χ^2/NDF: 38.8/44

In: 62.115+/-39.582 χ^2/NDF:34.9/42

Out: 27.188+/-39.927 χ^2/NDF:38.0/49

All: 44.804+/-28.110 χ^2/NDF: 73.2/92

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 198.653+/-0.052 χ^2/NDF: 4615060.7/19

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 199.315+/-0.050 χ^2/NDF: 5283438.0/24

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

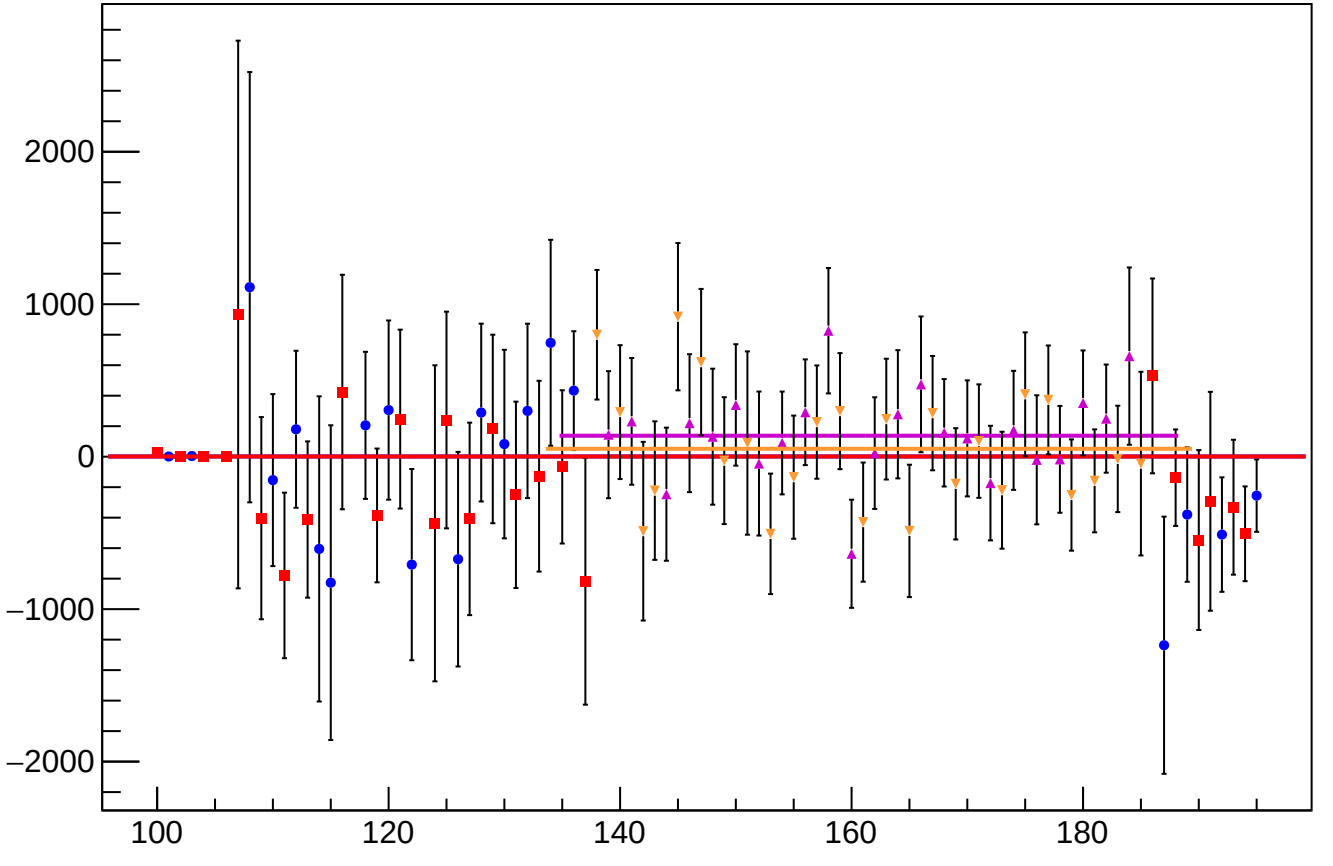
Right: 198.995+/-0.036 χ^2/NDF: 9898582.4/44

In: 195.272+/-0.028 χ^2/NDF:5812594.0/42

Out: 202.921+/-0.028 χ^2/NDF:7266062.8/49

All: 199.064+/-0.020 χ^2/NDF: 13115672.0/92

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.423+/-1.660 χ^2/NDF: 13.8/19

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.072+/-1.528 χ^2/NDF: 14.3/24

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

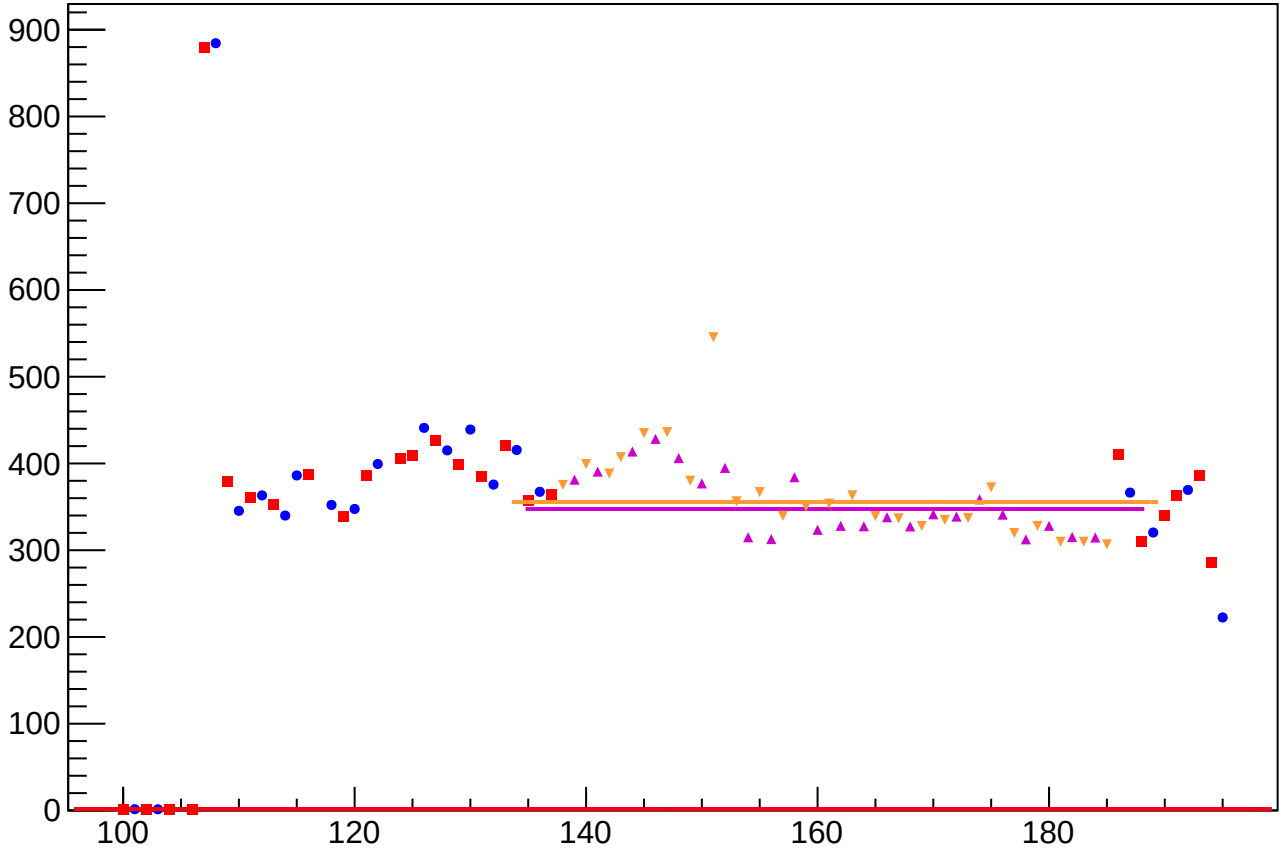
Right: 1.233+/-1.124 χ^2/NDF: 28.1/44

In: 1.478+/-1.660 χ^2/NDF:28.7/42

Out: 1.090+/-1.527 χ^2/NDF:34.1/49

All: 1.268+/-1.124 χ^2/NDF: 62.9/92

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.494+/-0.001 χ^2/NDF: 16809157.3/19

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.492+/-0.001 χ^2/NDF: 18341812.9/24

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

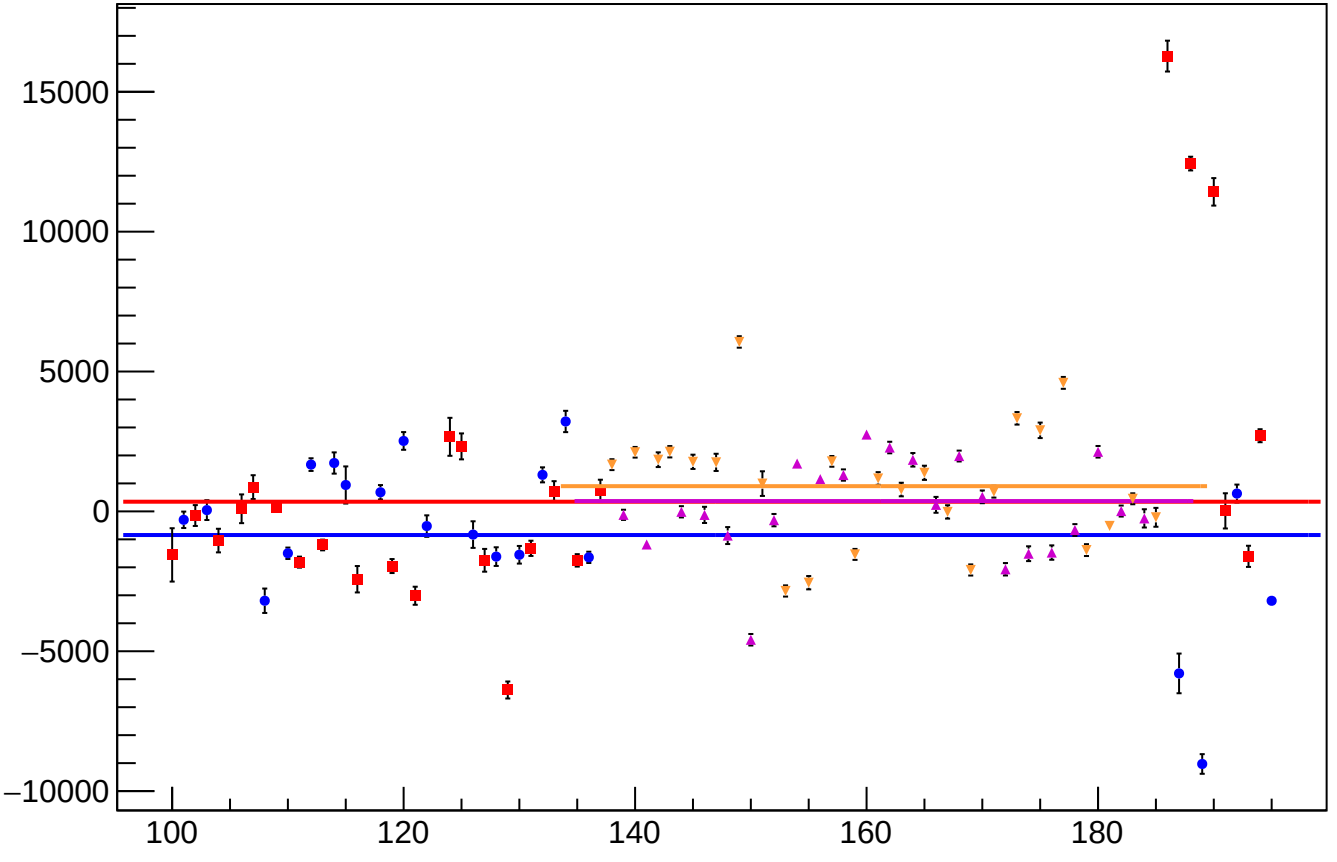
Right: 1.493+/-0.001 χ^2/NDF: 35150971.8/44

In: 1.635+/-0.001 χ^2/NDF:52649523.4/42

Out: 1.616+/-0.001 χ^2/NDF:56548812.1/49

All: 1.625+/-0.001 χ^2/NDF: 109198481.2/92

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -845.362+/-65.794 χ^2/NDF: 1372.9/19

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 345.751+/-61.788 χ^2/NDF: 5008.1/24

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

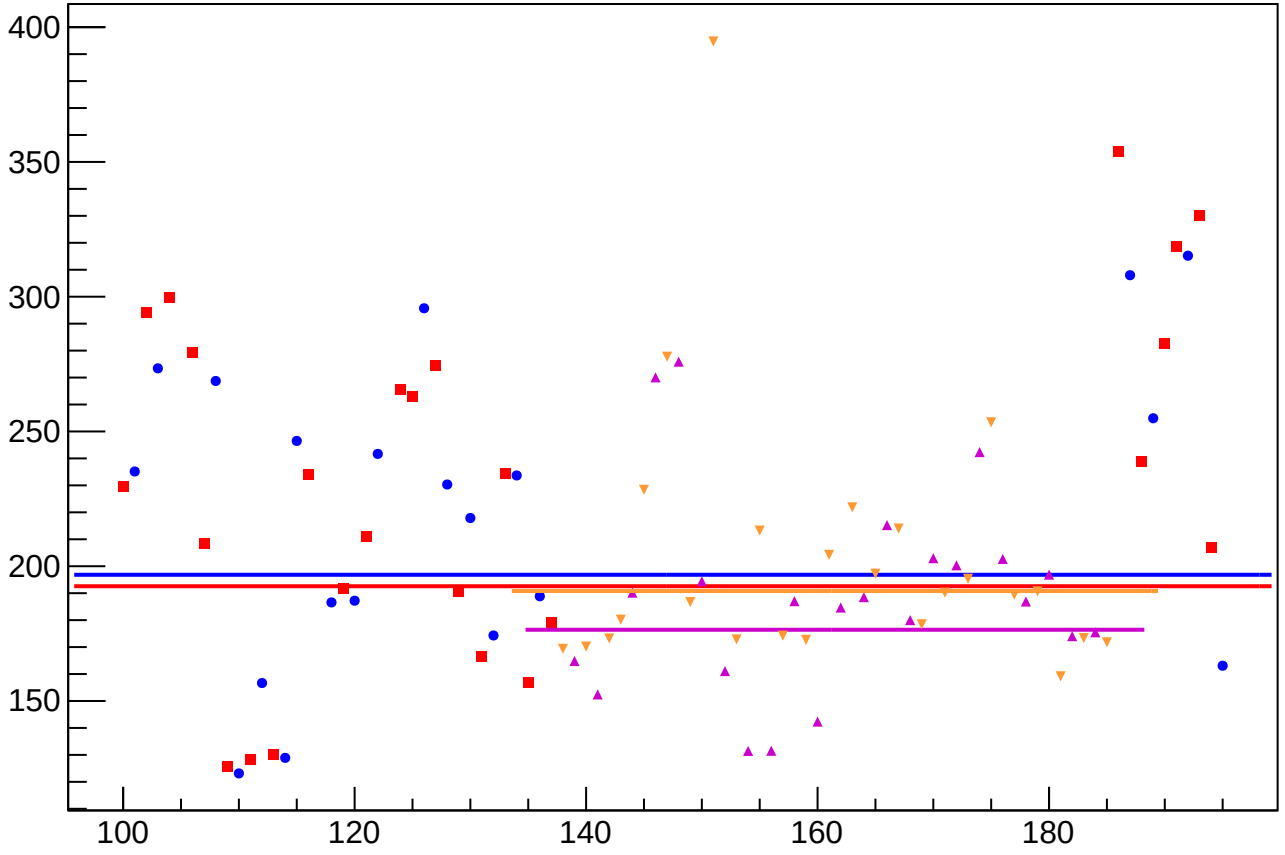
Right: -212.439+/-45.040 χ^2/NDF: 6555.1/44

In: 8.584+/-35.818 χ^2/NDF:3205.3/42

Out: 711.779+/-36.100 χ^2/NDF:7472.3/49

All: 357.425+/-25.426 χ^2/NDF: 10868.8/92

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 196.828+/-0.047 χ^2/NDF: 1216526.8/19

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 192.582+/-0.044 χ^2/NDF: 1986757.5/24

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

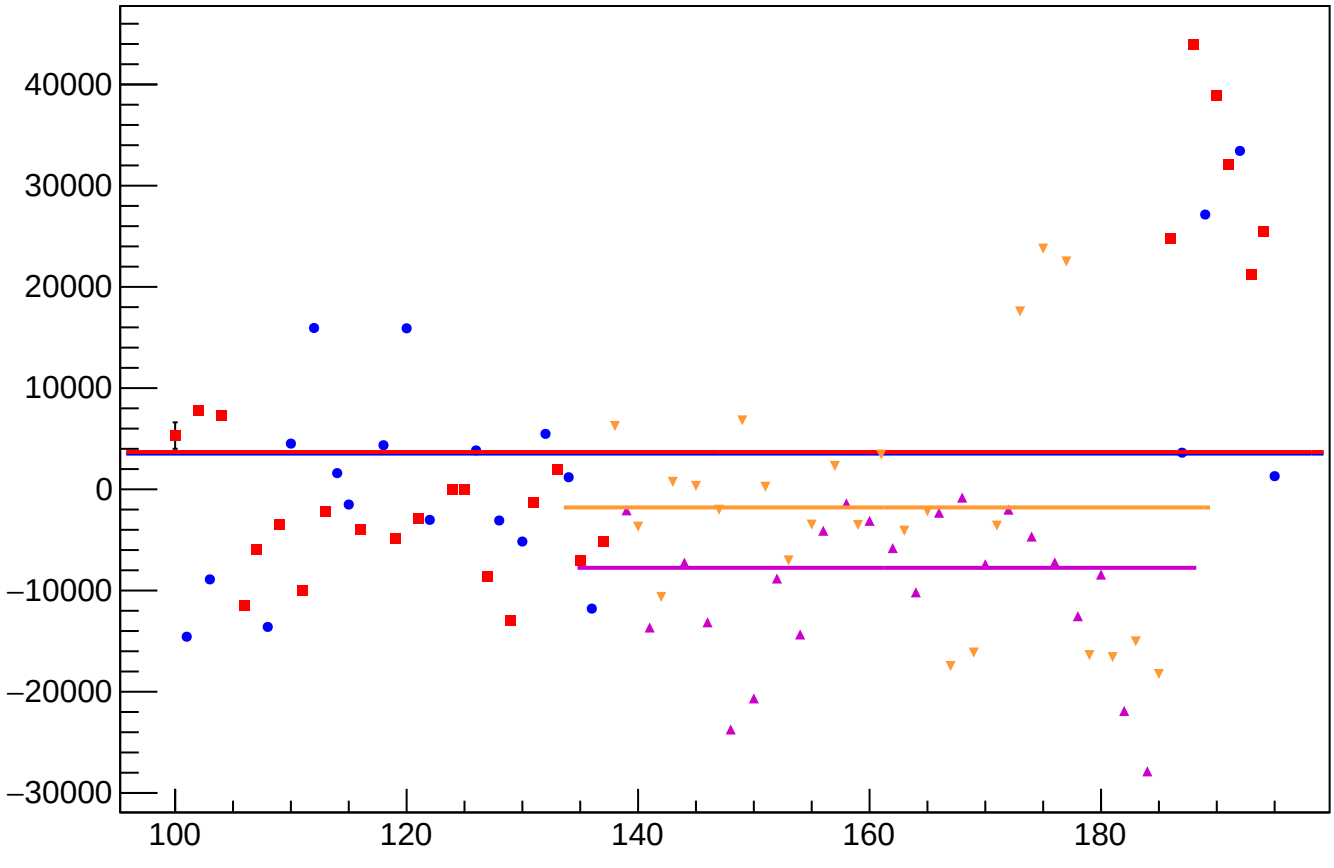
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 194.572+/-0.032 χ^2/NDF: 3207710.7/44

In: 182.476+/-0.025 χ^2/NDF:2609431.5/42

Out: 191.409+/-0.026 χ^2/NDF:3007449.6/49

All: 186.907+/-0.018 χ^2/NDF: 5678591.4/92



Right In: 3531.955+/-48.702 χ^2/NDF: 70211.5/19

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3684.732+/-45.640 χ^2/NDF: 128222.5/24

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

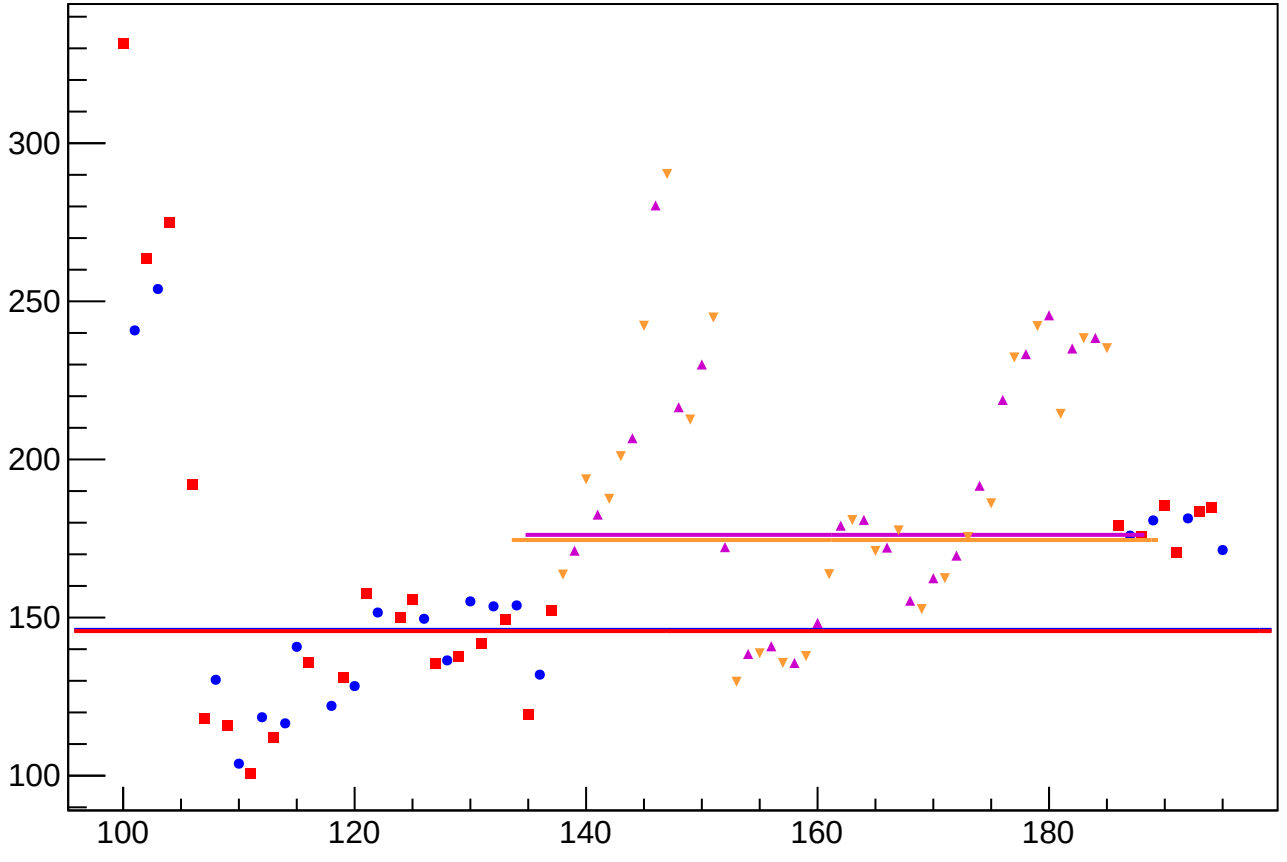
Right: 3613.299+/-33.302 χ^2/NDF: 198439.3/44

In: -2866.009+/-32.052 χ^2/NDF:123933.3/42

Out: 648.930+/-30.463 χ^2/NDF:201948.0/49

All: -1019.247+/-22.081 χ^2/NDF: 332199.7/9

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 146.114+/-0.034 χ^2/NDF: 855005.6/19

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 145.718+/-0.032 χ^2/NDF: 1242826.1/24

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

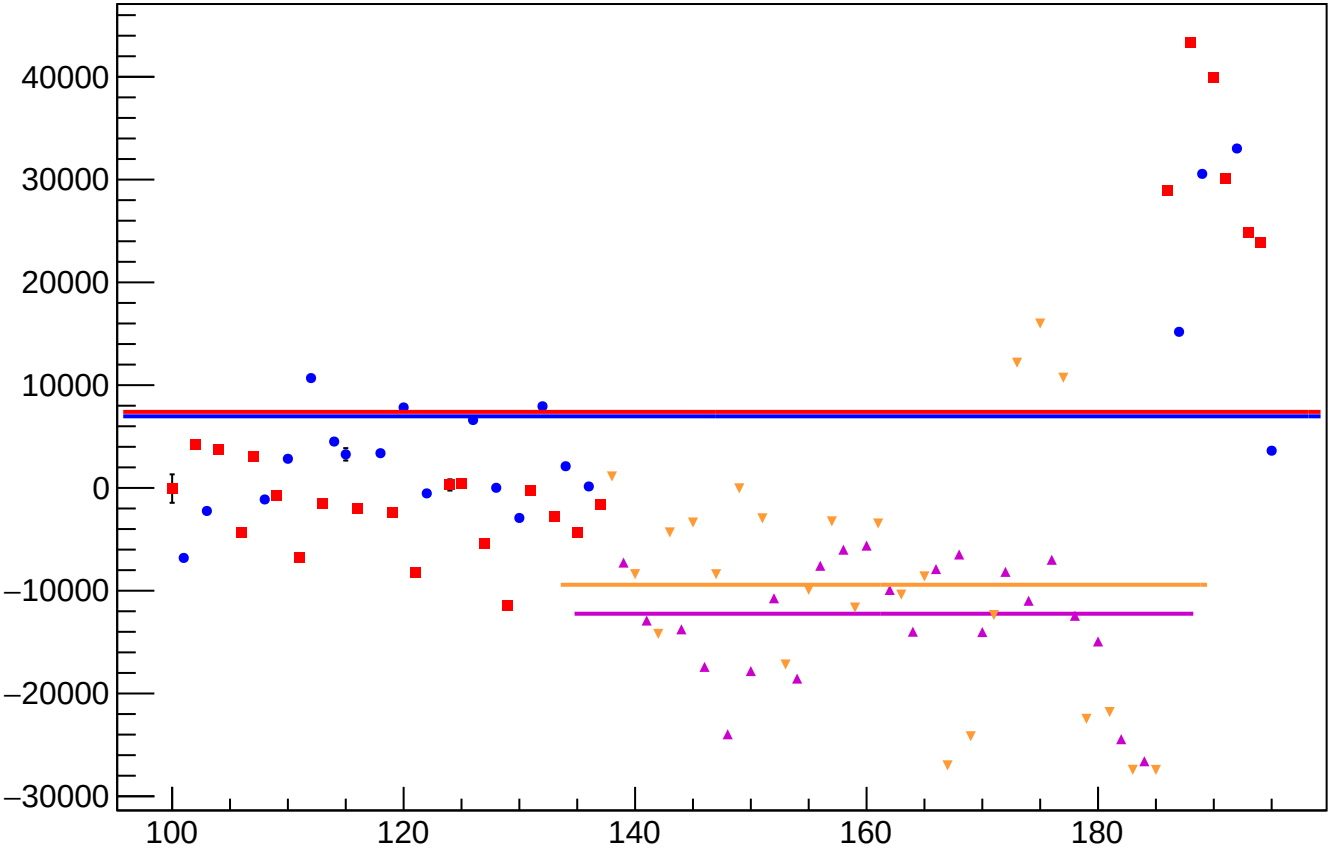
Right: 145.903+/-0.024 χ^2/NDF: 2097902.1/44

In: 163.143+/-0.023 χ^2/NDF:2653416.6/42

Out: 161.688+/-0.022 χ^2/NDF:3343969.4/49

All: 162.379+/-0.016 χ^2/NDF: 5999550.6/92

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 6967.673+/-59.406 χ^2/NDF: 32480.0/19

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 7399.638+/-54.854 χ^2/NDF: 97520.3/24

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

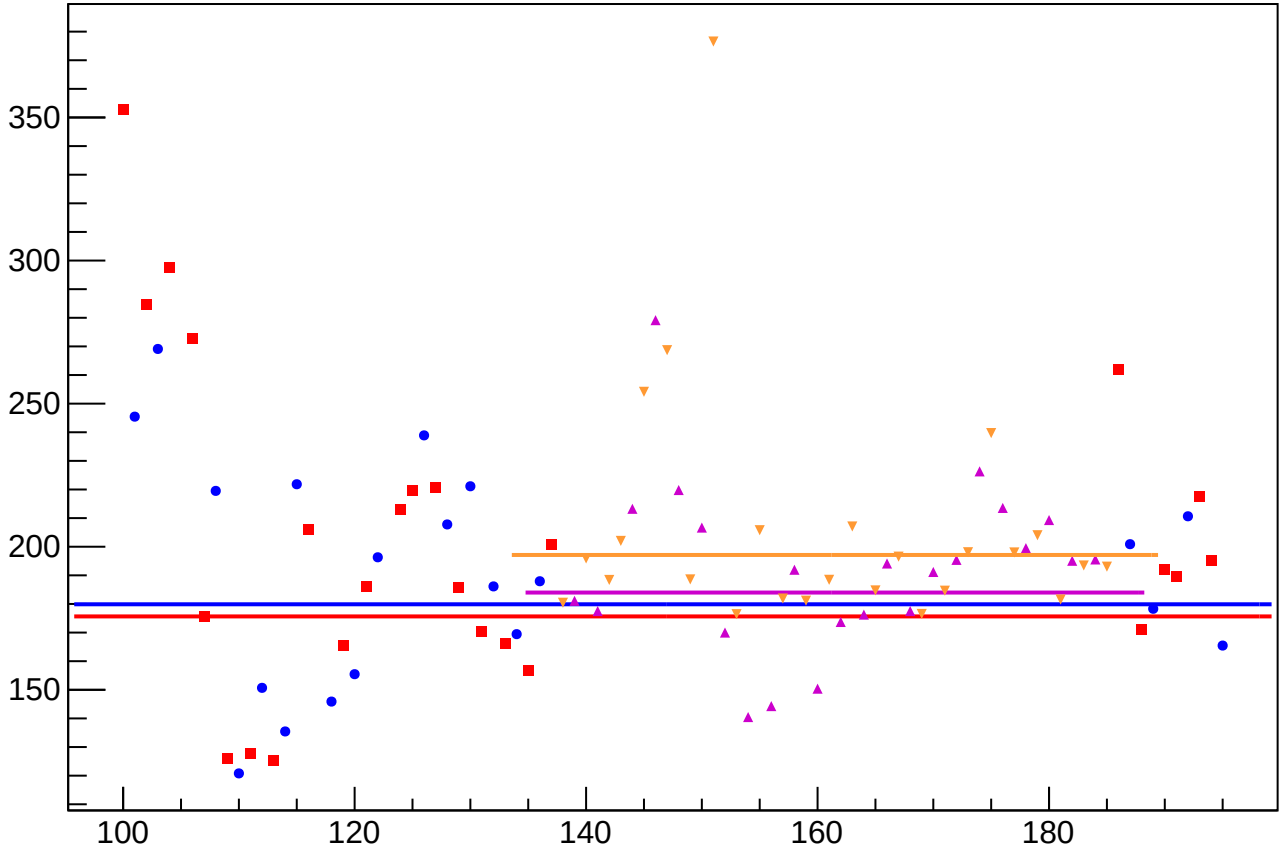
Right: 7200.836+/-40.301 χ^2/NDF: 130028.9/44

In: -5395.882+/-35.459 χ^2/NDF:115782.9/42

Out: -2529.278+/-35.110 χ^2/NDF:217740.9/49

All: -3948.436+/-24.949 χ^2/NDF: 336823.8/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 179.886+/-0.042 χ^2/NDF: 733999.9/19

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 175.646+/-0.039 χ^2/NDF: 1176979.0/24

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

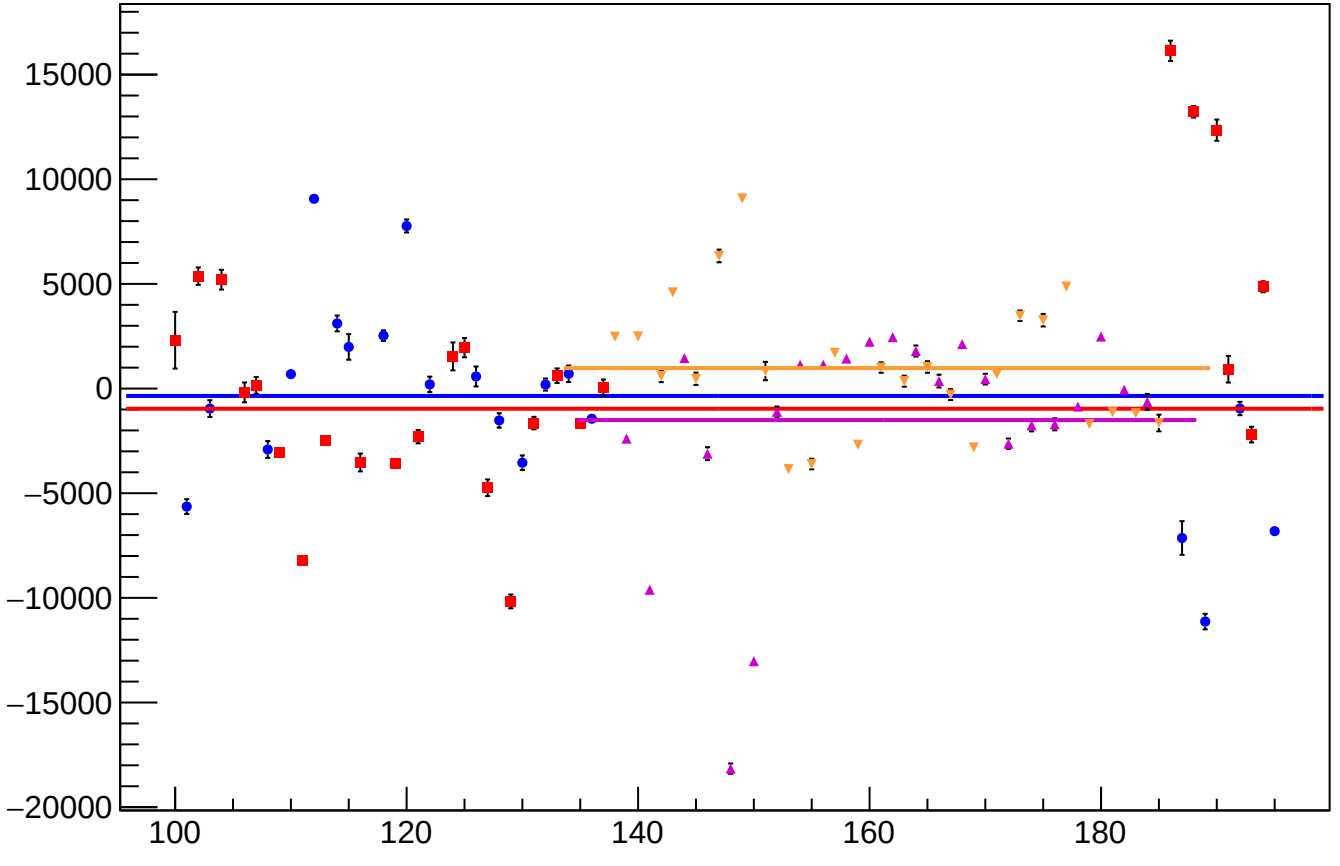
Right: 177.598+/-0.028 χ^2/NDF: 1916479.2/44

In: 182.525+/-0.025 χ^2/NDF:1569907.3/42

Out: 188.324+/-0.025 χ^2/NDF:2090479.7/49

All: 185.453+/-0.018 χ^2/NDF: 3687394.2/92

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: -353.107+/-67.770 χ^2/NDF: 5043.3/19

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -962.287+/-62.657 χ^2/NDF: 8316.4/24

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

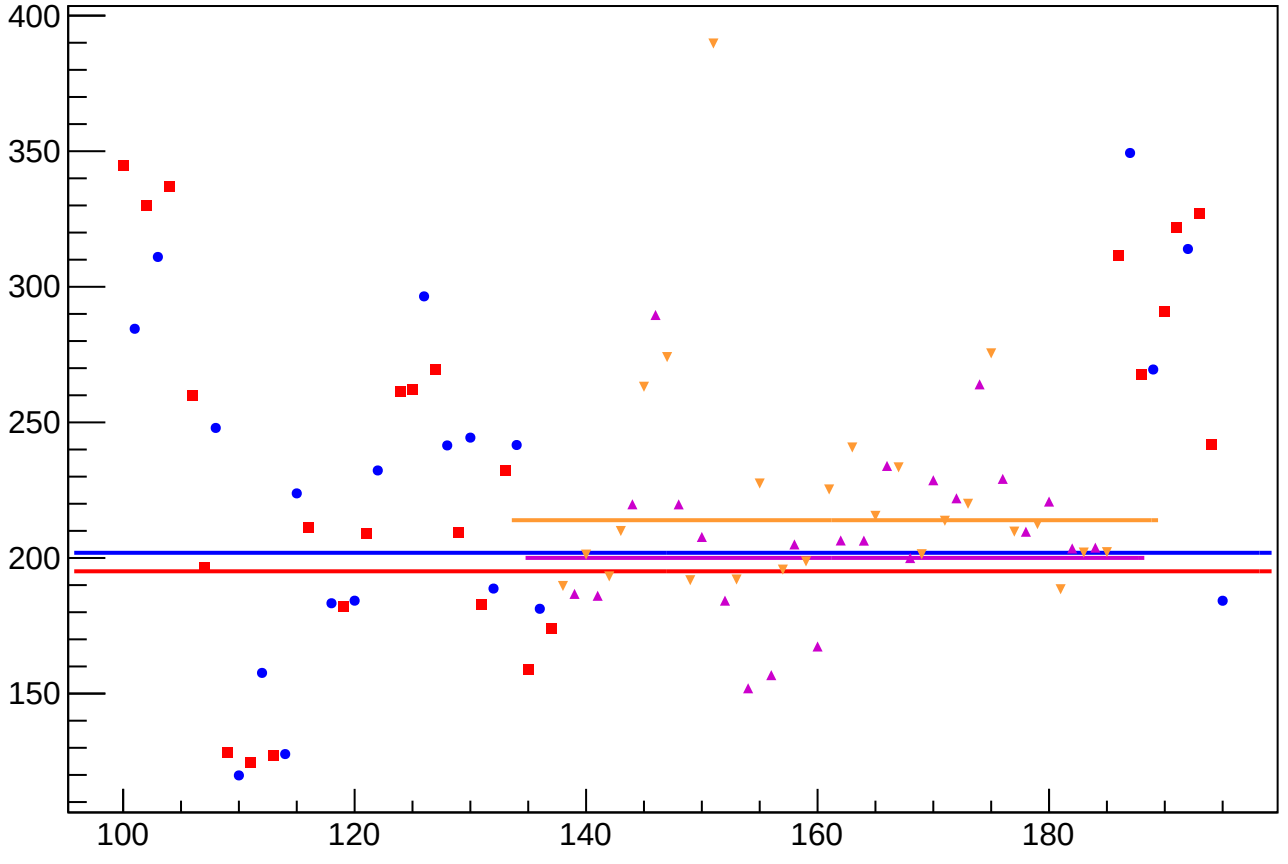
Right: -681.544+/-46.007 χ^2/NDF: 13403.3/44

In: -1119.709+/-39.198 χ^2/NDF:16716.2/42

Out: 230.656+/-38.893 χ^2/NDF:13229.0/49

All: -439.254+/-27.609 χ^2/NDF: 30543.3/92

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 201.914+/-0.048 χ^2/NDF: 1383228.2/19

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 195.088+/-0.044 χ^2/NDF: 2211229.9/24

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

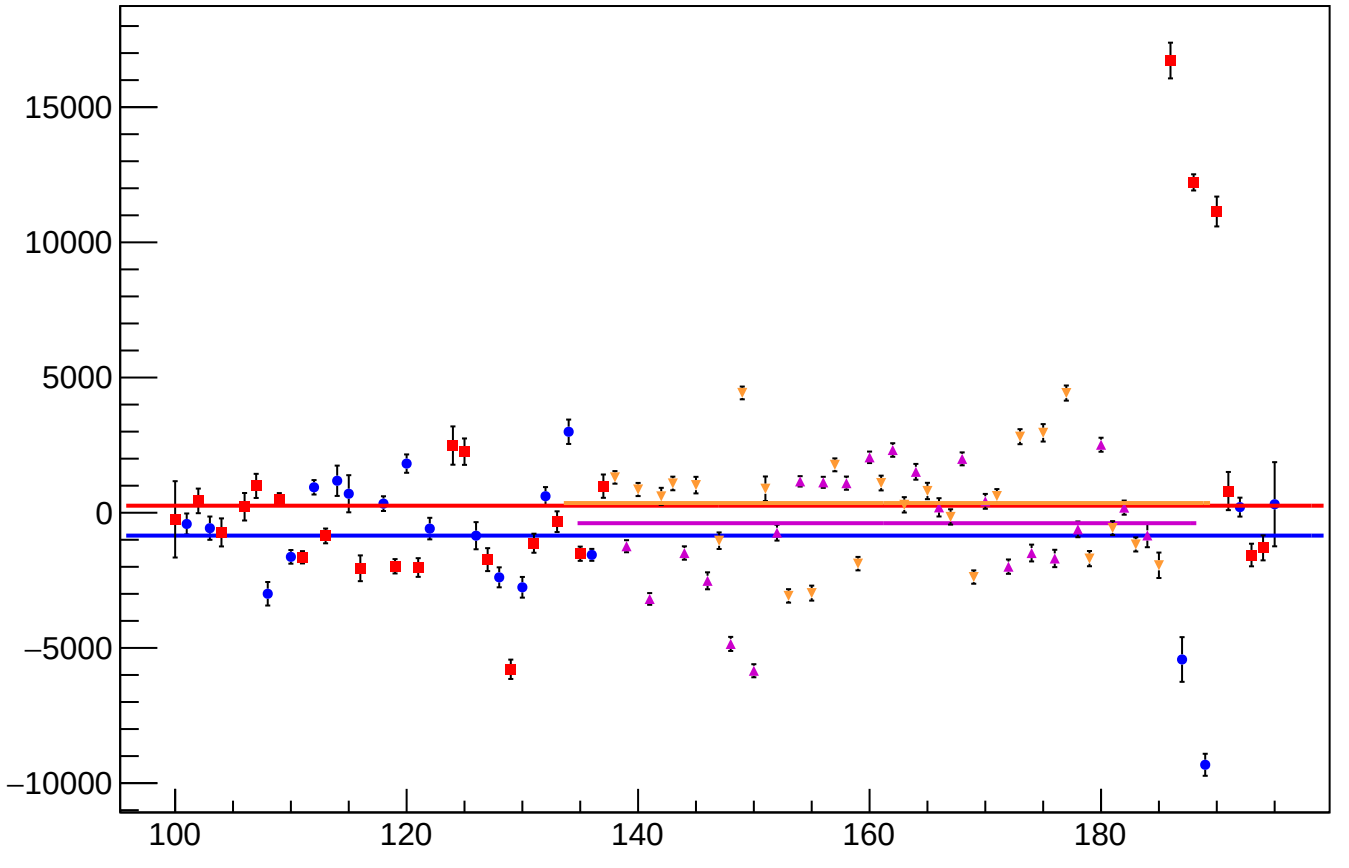
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 198.234+/-0.033 χ^2/NDF: 3605395.6/44

In: 200.661+/-0.028 χ^2/NDF:2169781.4/42

Out: 206.671+/-0.028 χ^2/NDF:3056051.8/49

All: 203.689+/-0.020 χ^2/NDF: 5249527.6/92



Right In: -845.583+/-81.884 χ^2/NDF: 796.8/19

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 260.439+/-74.179 χ^2/NDF: 3268.1/24

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

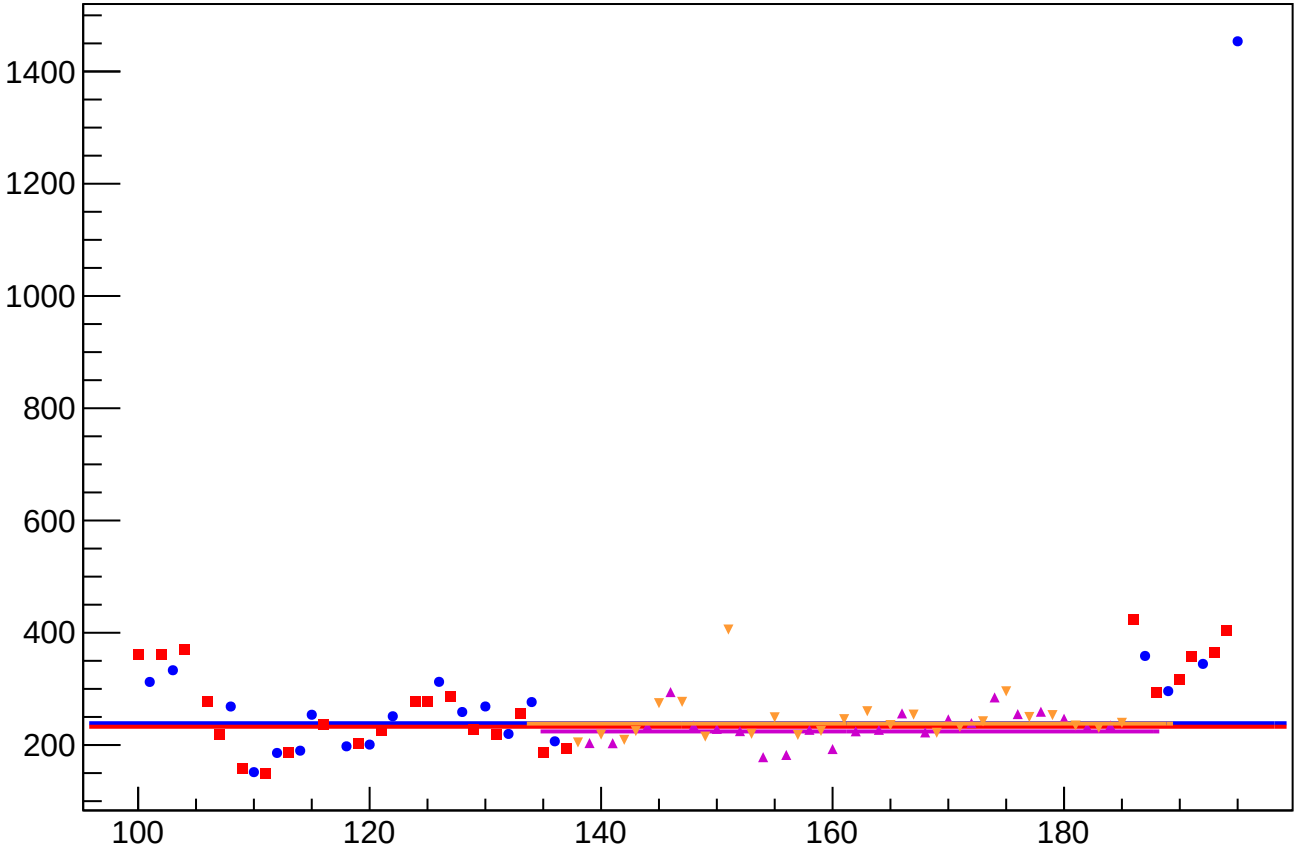
Right: -238.096+/-54.975 χ^2/NDF: 4165.1/44

In: -524.255+/-44.804 χ^2/NDF:2623.0/42

Out: 323.838+/-44.176 χ^2/NDF:4688.1/49

All: -94.222+/-31.457 χ^2/NDF: 7492.7/92

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 238.838+/-0.058 χ^2/NDF: 2189011.3/19

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 232.557+/-0.052 χ^2/NDF: 1902032.4/24

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

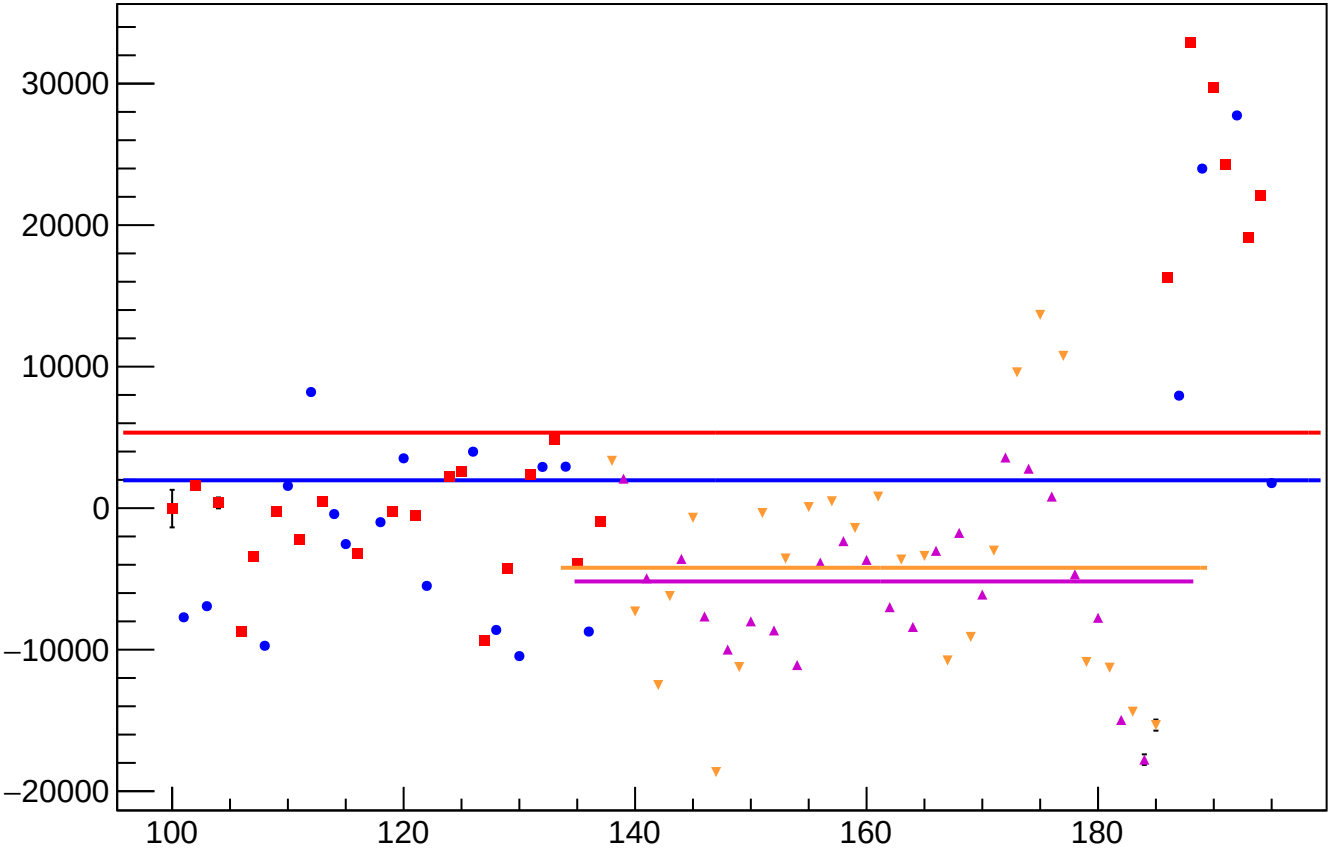
Right: 235.388+/-0.039 χ^2/NDF: 4097508.8/44

In: 228.591+/-0.032 χ^2/NDF:2796950.3/42

Out: 236.198+/-0.031 χ^2/NDF:2477436.0/49

All: 232.448+/-0.022 χ^2/NDF: 5303619.2/92

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 1968.852+/-41.418 χ^2/NDF: 68454.8/19

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5335.781+/-38.499 χ^2/NDF: 101168.4/24

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

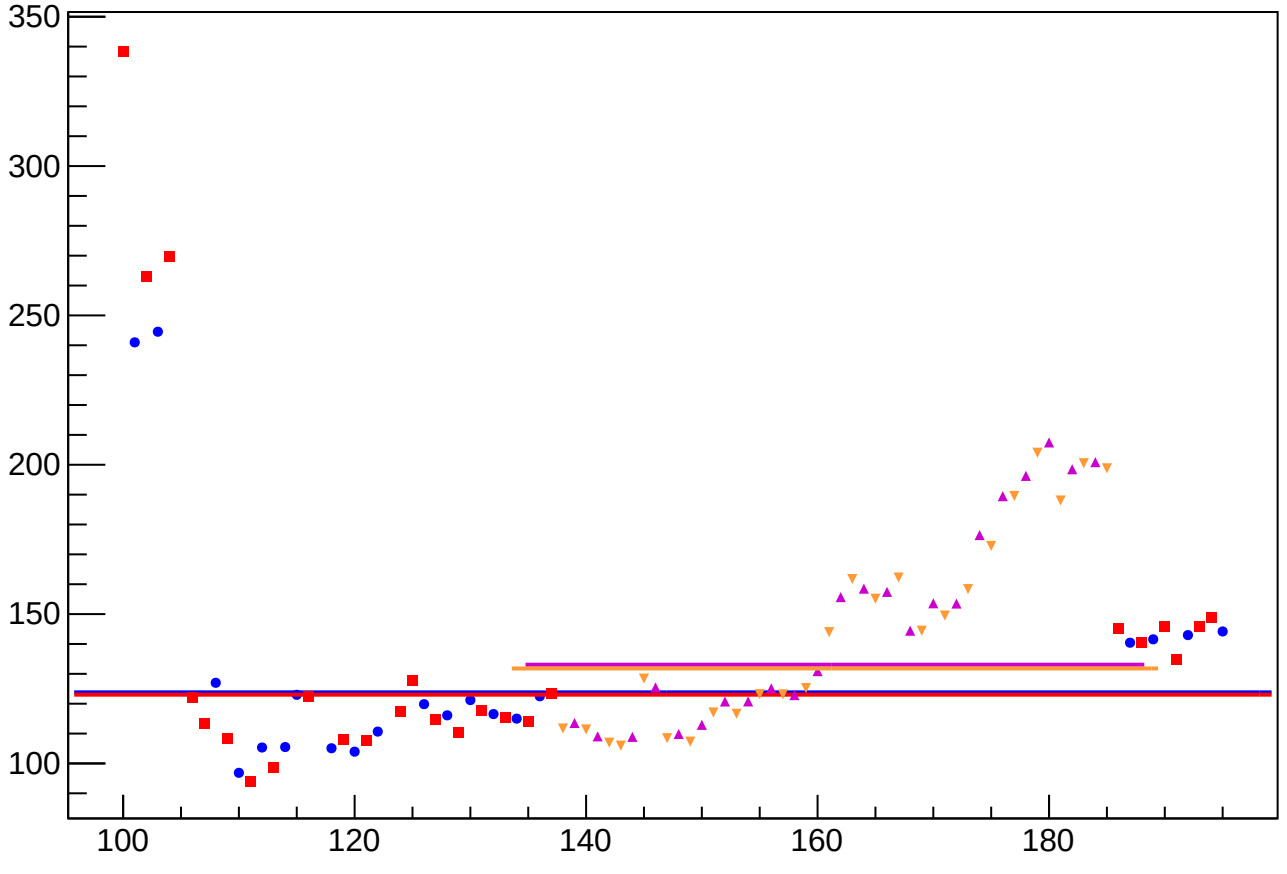
Right: 3775.125+/-28.198 χ^2/NDF: 173168.4/44

In: -2509.865+/-25.307 χ^2/NDF:105655.7/42

Out: -480.911+/-24.064 χ^2/NDF:195435.0/49

All: -1444.325+/-17.439 χ^2/NDF: 304466.3/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 123.799+/-0.029 χ^2/NDF: 850316.3/19

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 123.025+/-0.027 χ^2/NDF: 1079246.9/24

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

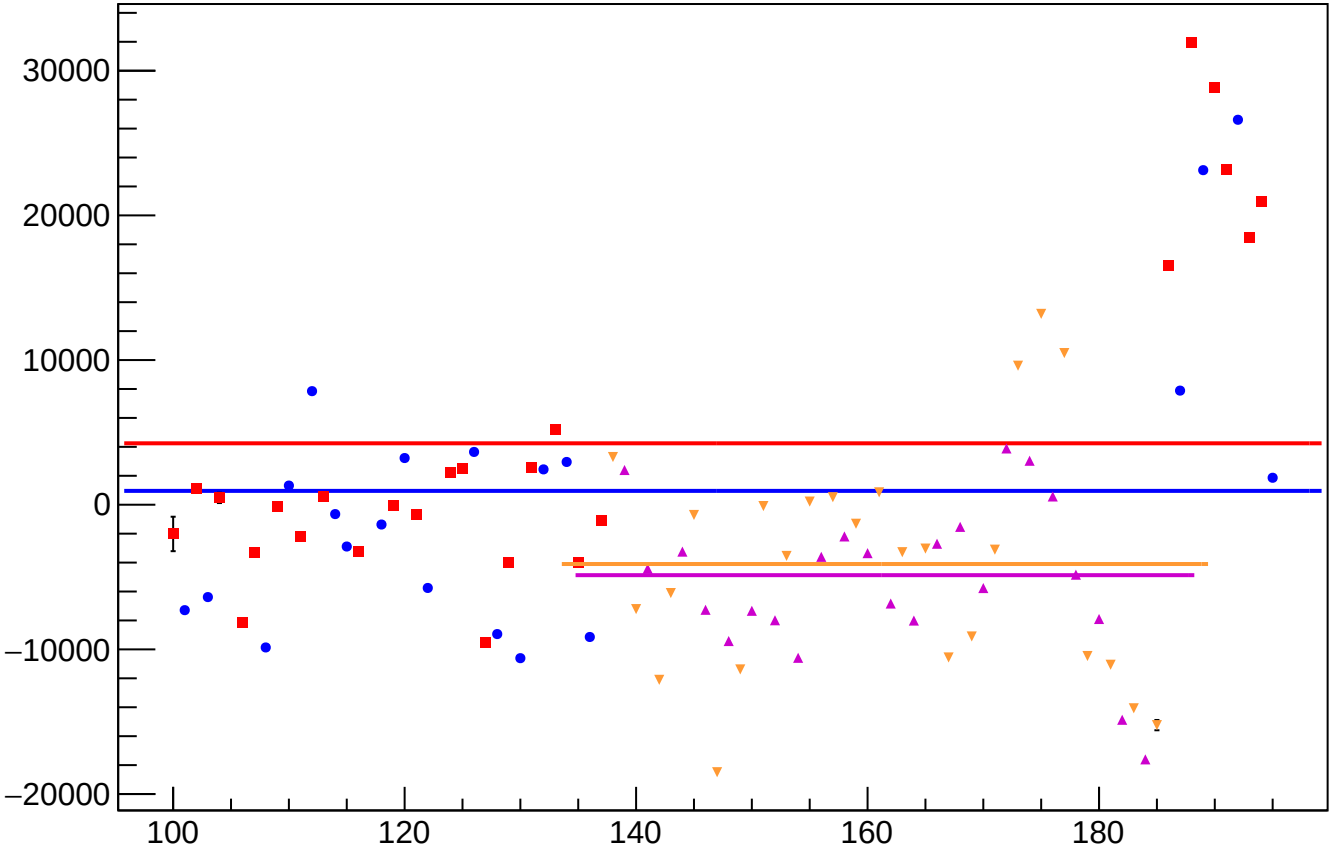
Right: 123.383+/-0.020 χ^2/NDF: 1929937.6/44

In: 129.603+/-0.018 χ^2/NDF:2331252.2/42

Out: 128.370+/-0.017 χ^2/NDF:2686862.2/49

All: 128.956+/-0.012 χ^2/NDF: 5020607.3/92

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 956.350+/-36.941 χ^2/NDF: 74207.1/19

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4245.352+/-34.700 χ^2/NDF: 107079.1/24

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

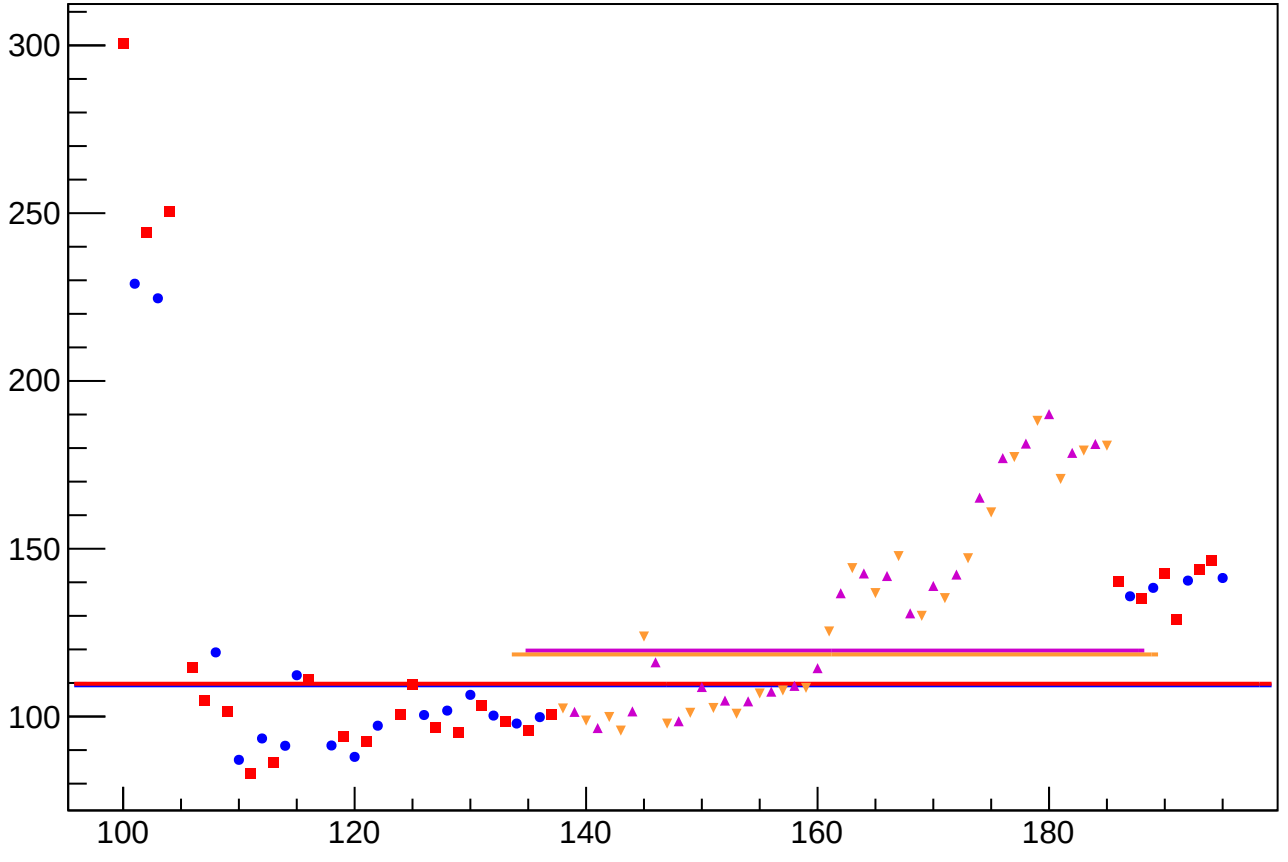
Right: 2703.650+/-25.292 χ^2/NDF: 185497.4/44

In: -2666.442+/-22.717 χ^2/NDF:111587.4/42

Out: -840.943+/-21.682 χ^2/NDF:208598.5/49

All: -1711.159+/-15.685 χ^2/NDF: 323565.0/9

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 109.309+/-0.026 χ^2/NDF: 1123504.3/19

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 109.768+/-0.025 χ^2/NDF: 1382402.5/24

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

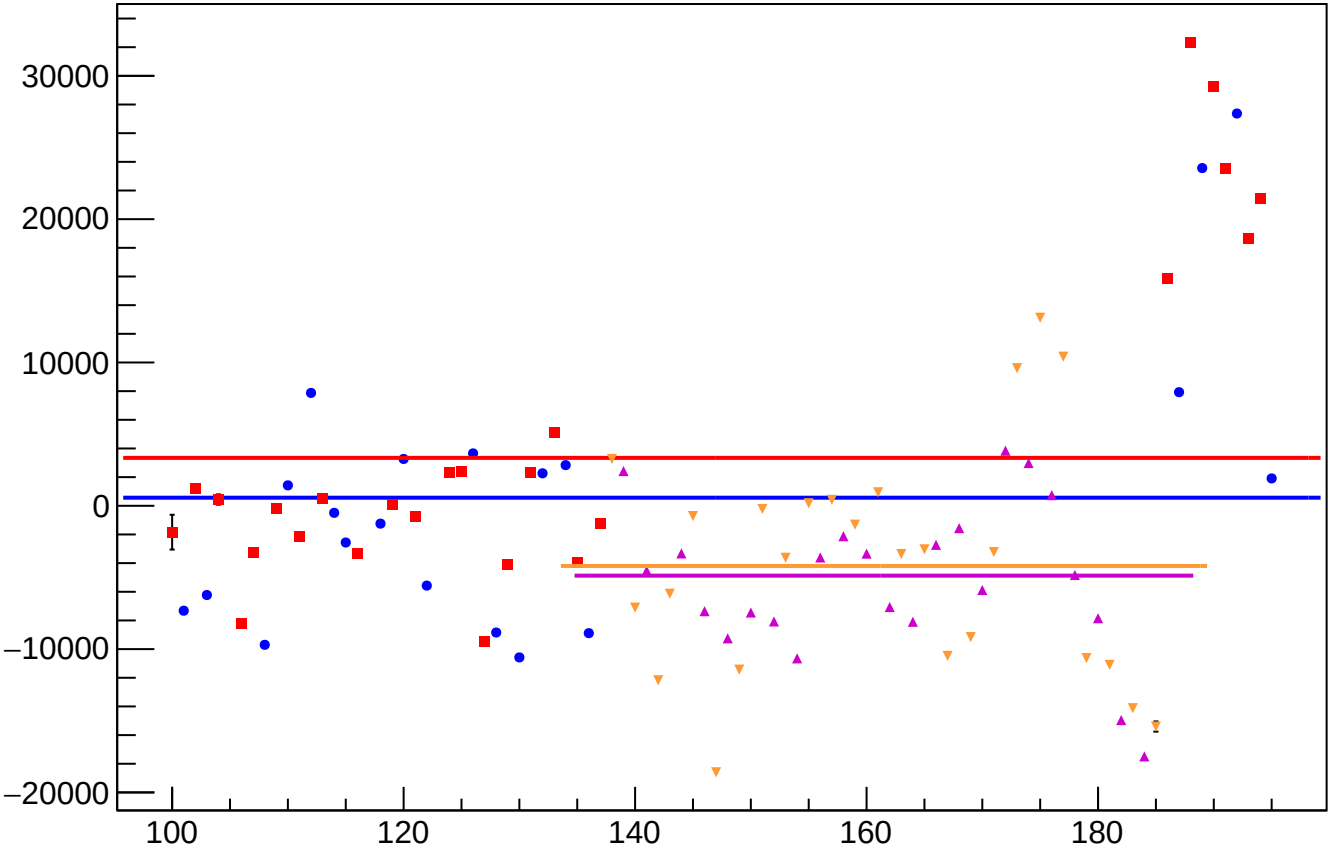
Right: 109.553+/-0.018 χ^2/NDF: 2506071.3/44

In: 115.736+/-0.016 χ^2/NDF:2733245.6/42

Out: 115.092+/-0.015 χ^2/NDF:3086764.0/49

All: 115.399+/-0.011 χ^2/NDF: 5820851.0/92

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 565.148+/-35.938 χ^2/NDF: 72287.1/19

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3344.476+/-33.901 χ^2/NDF: 100347.8/24

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

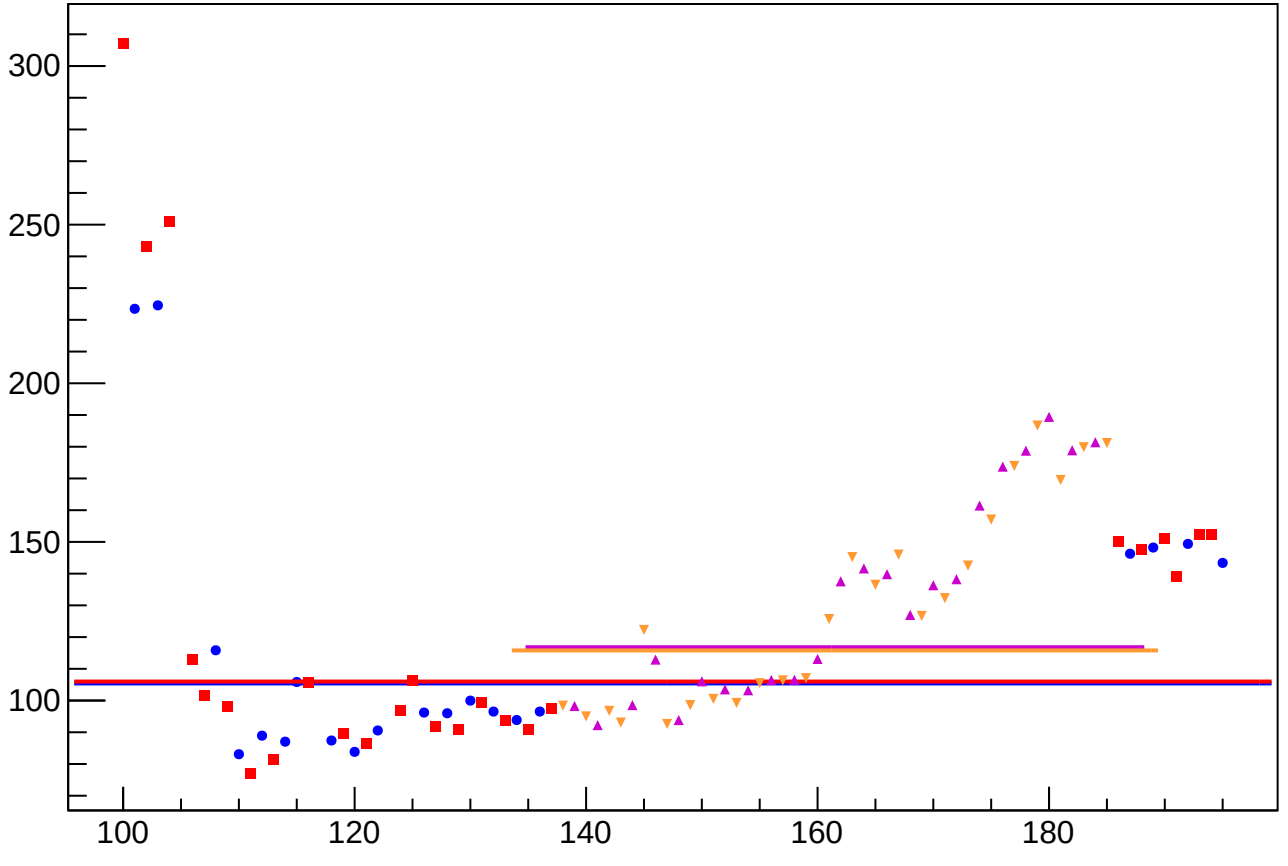
Right: 2035.772+/-24.660 χ^2/NDF: 175799.7/44

In: -2800.619+/-22.185 χ^2/NDF:109383.4/42

Out: -1242.397+/-21.221 χ^2/NDF:200862.8/49

All: -1986.893+/-15.335 χ^2/NDF: 312822.5/9

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 105.392+/-0.025 χ^2/NDF: 1346958.9/19

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 105.984+/-0.024 χ^2/NDF: 1774281.8/24

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

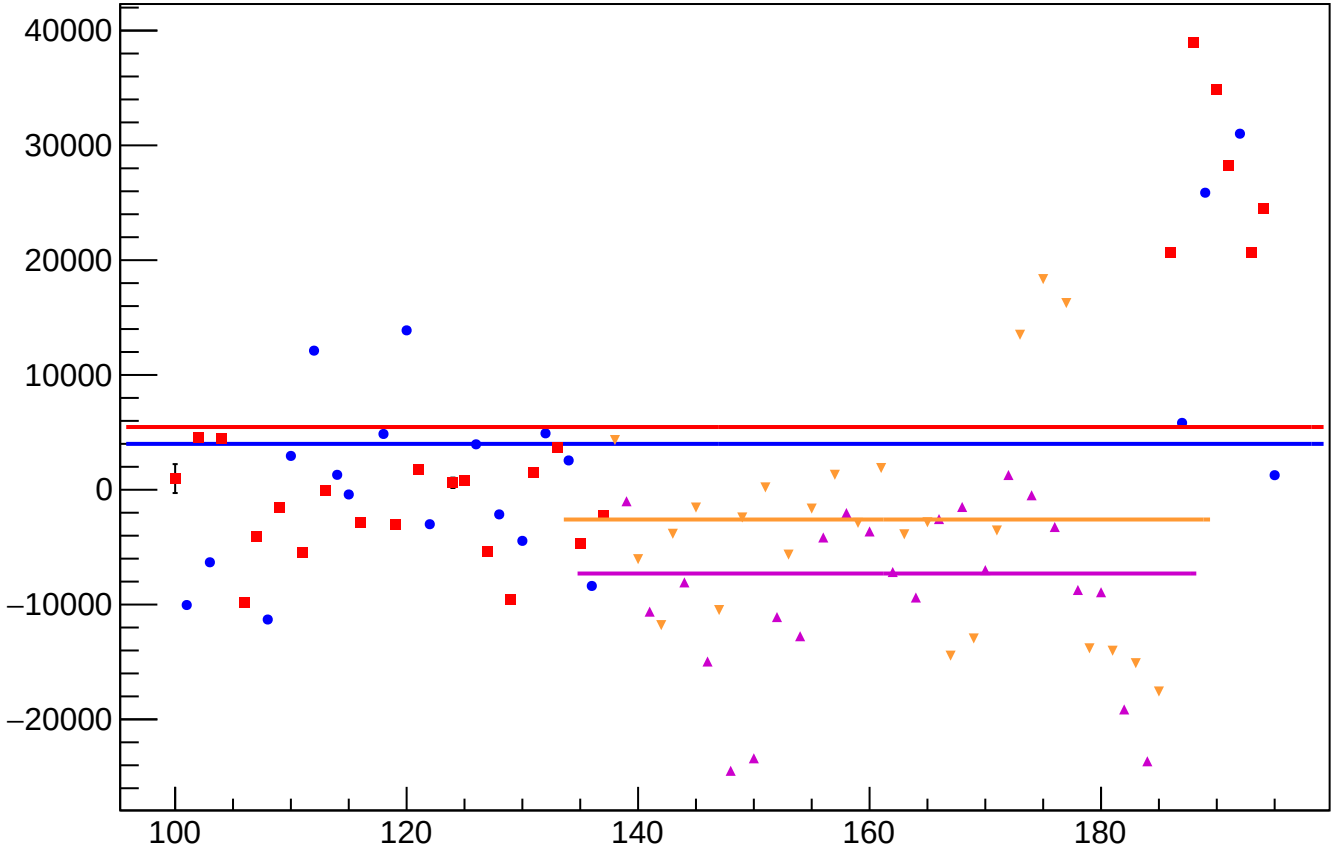
Right: 105.705+/-0.017 χ^2/NDF: 3121528.2/44

In: 112.458+/-0.016 χ^2/NDF:3089530.0/42

Out: 111.953+/-0.015 χ^2/NDF:3625236.2/49

All: 112.194+/-0.011 χ^2/NDF: 6715307.0/92

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 3997.195+/-49.106 χ^2/NDF: 53743.8/19

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5465.433+/-46.327 χ^2/NDF: 93371.8/24

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

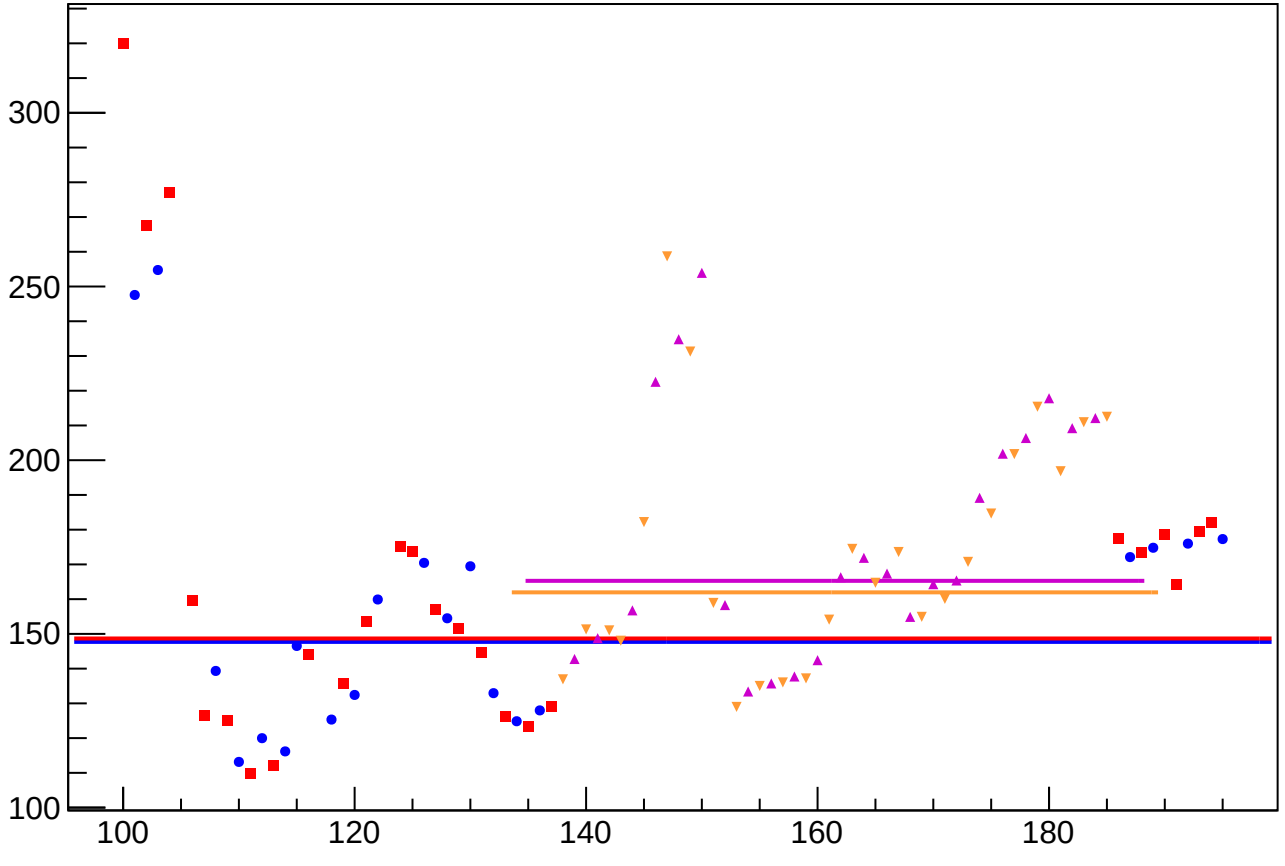
Right: 4774.022+/-33.698 χ^2/NDF: 147588.7/44

In: -2849.280+/-30.814 χ^2/NDF:110551.9/42

Out: 612.616+/-29.215 χ^2/NDF:159583.7/49

All: -1026.164+/-21.201 χ^2/NDF: 276782.6/9

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 147.700+/-0.035 χ^2/NDF: 839219.5/19

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 148.678+/-0.033 χ^2/NDF: 1054440.2/24

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

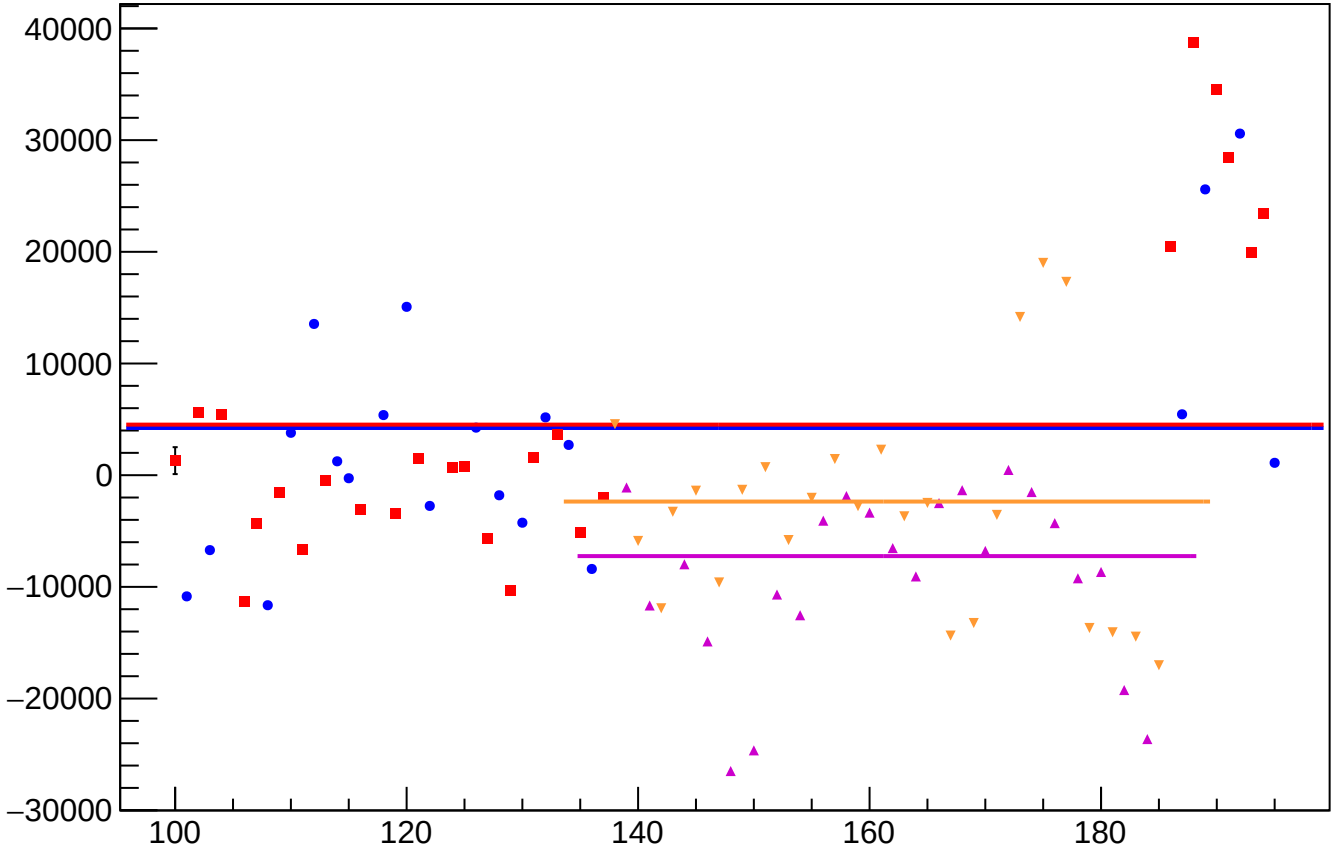
Right: 148.218+/-0.024 χ^2/NDF: 1894079.5/44

In: 158.353+/-0.022 χ^2/NDF:2173572.4/42

Out: 156.676+/-0.021 χ^2/NDF:2298216.0/49

All: 157.470+/-0.015 χ^2/NDF: 4474907.4/92

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 4226.977+/-41.406 χ^2/NDF: 74229.4/19

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4527.586+/-38.796 χ^2/NDF: 129061.5/24

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

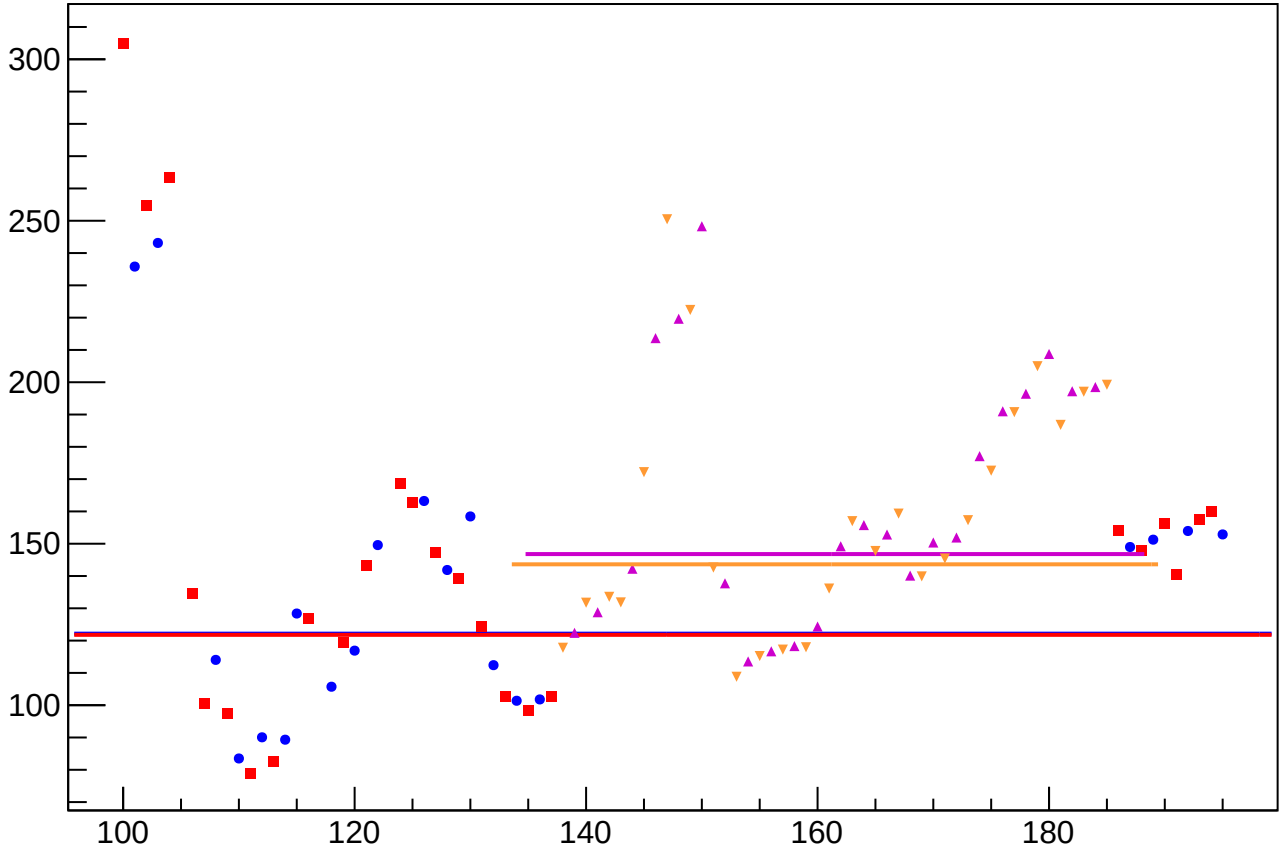
Right: 4387.053+/-28.311 χ^2/NDF: 203318.9/44

In: -2383.522+/-26.954 χ^2/NDF:148910.0/42

Out: 599.602+/-25.433 χ^2/NDF:205604.5/49

All: -805.450+/-18.498 χ^2/NDF: 360994.3/92

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 122.151+/-0.029 χ^2/NDF: 1363287.8/19

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 121.788+/-0.027 χ^2/NDF: 1741278.1/24

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

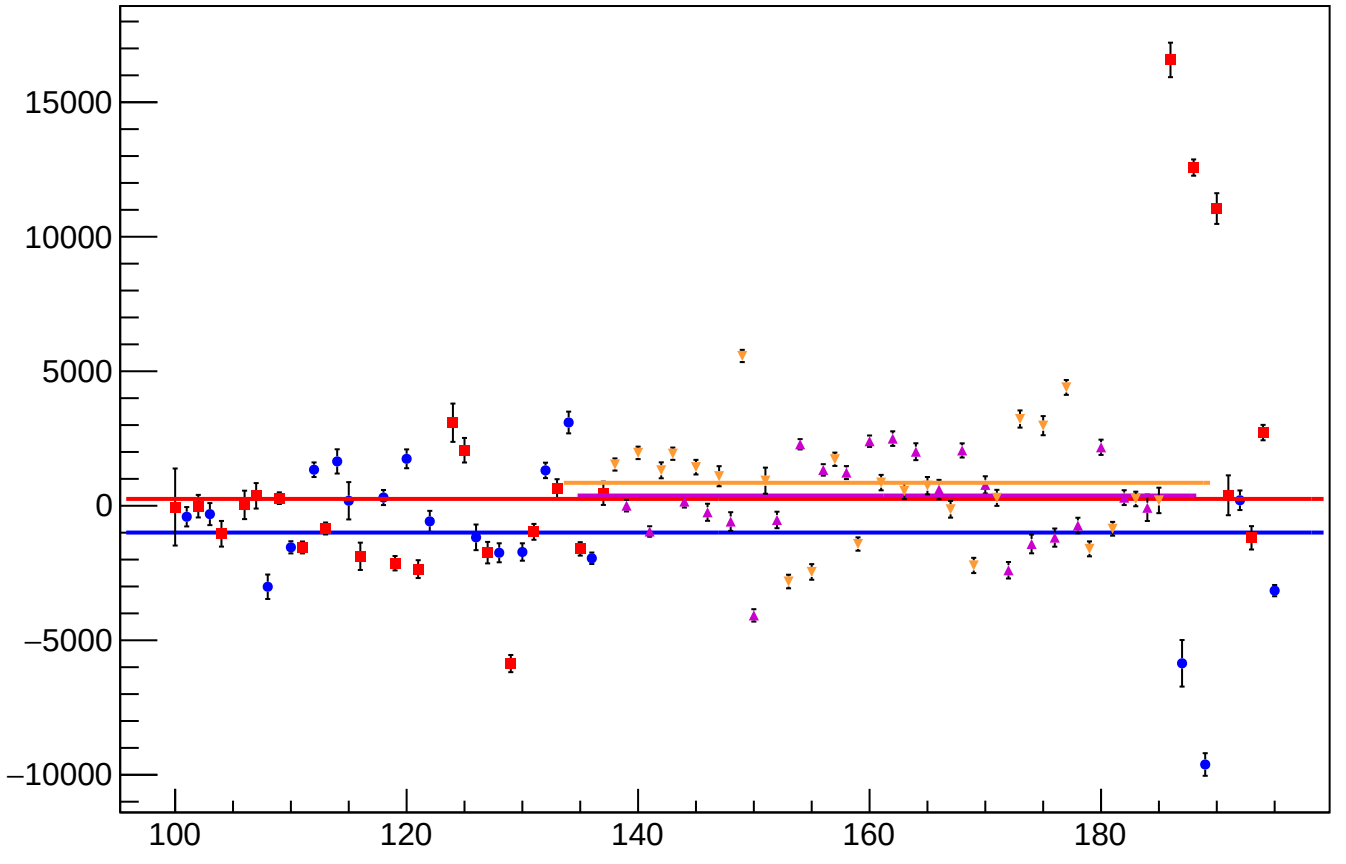
Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

Right: 121.958+/-0.020 χ^2/NDF: 3104648.0/44

In: 136.351+/-0.019 χ^2/NDF:3466007.4/42

Out: 134.239+/-0.018 χ^2/NDF:3765347.5/49

All: 135.234+/-0.013 χ^2/NDF: 7237854.1/92



Right In: -995.608+/-73.431 χ^2/NDF: 992.1/19

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 254.781+/-69.529 χ^2/NDF: 3502.7/24

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

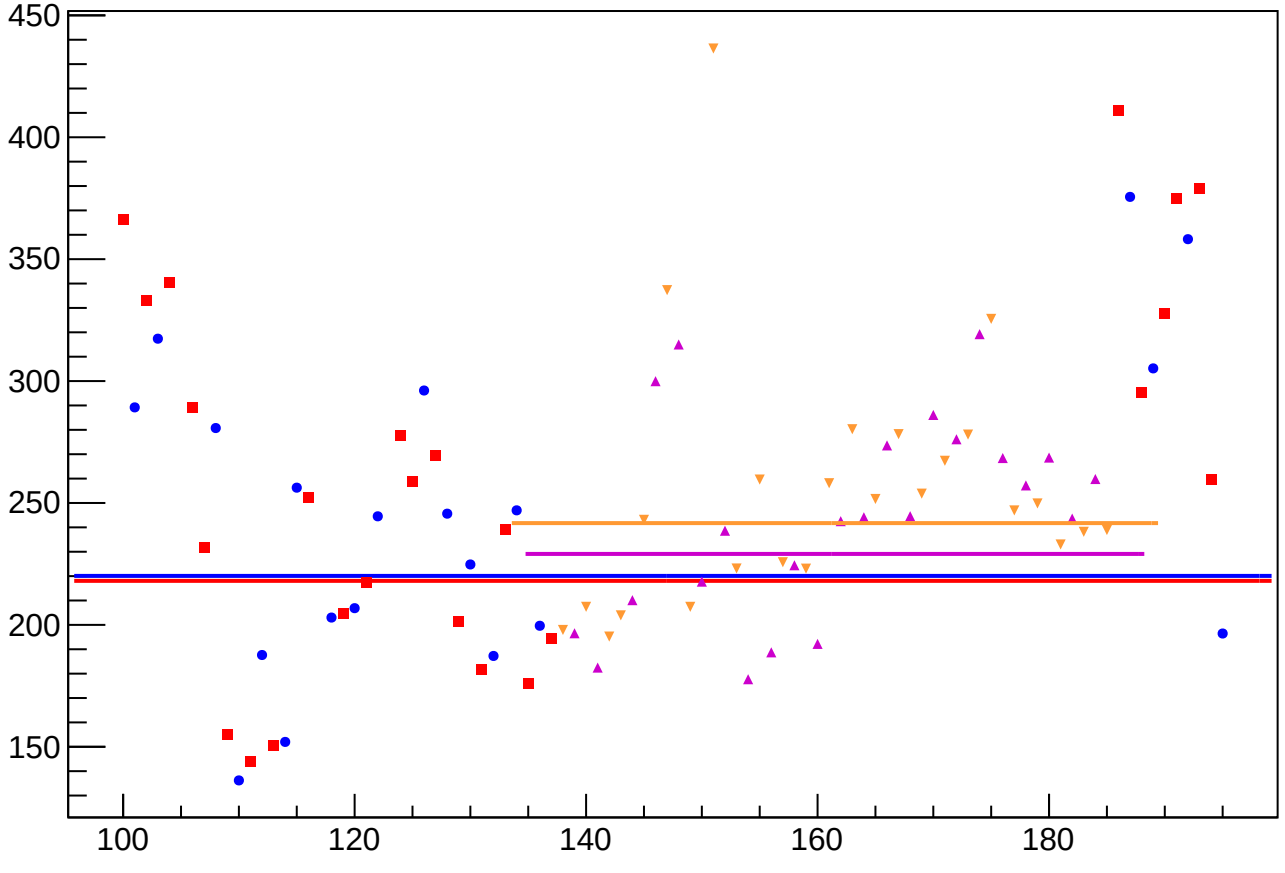
Right: -336.303+/-50.488 χ^2/NDF: 4647.7/44

In: -115.376+/-44.090 χ^2/NDF:2199.2/42

Out: 616.971+/-43.724 χ^2/NDF:4991.4/49

All: 253.849+/-31.046 χ^2/NDF: 7329.8/92

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 220.090+/-0.052 χ^2/NDF: 1169270.3/19

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.061+/-0.049 χ^2/NDF: 1893465.8/24

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

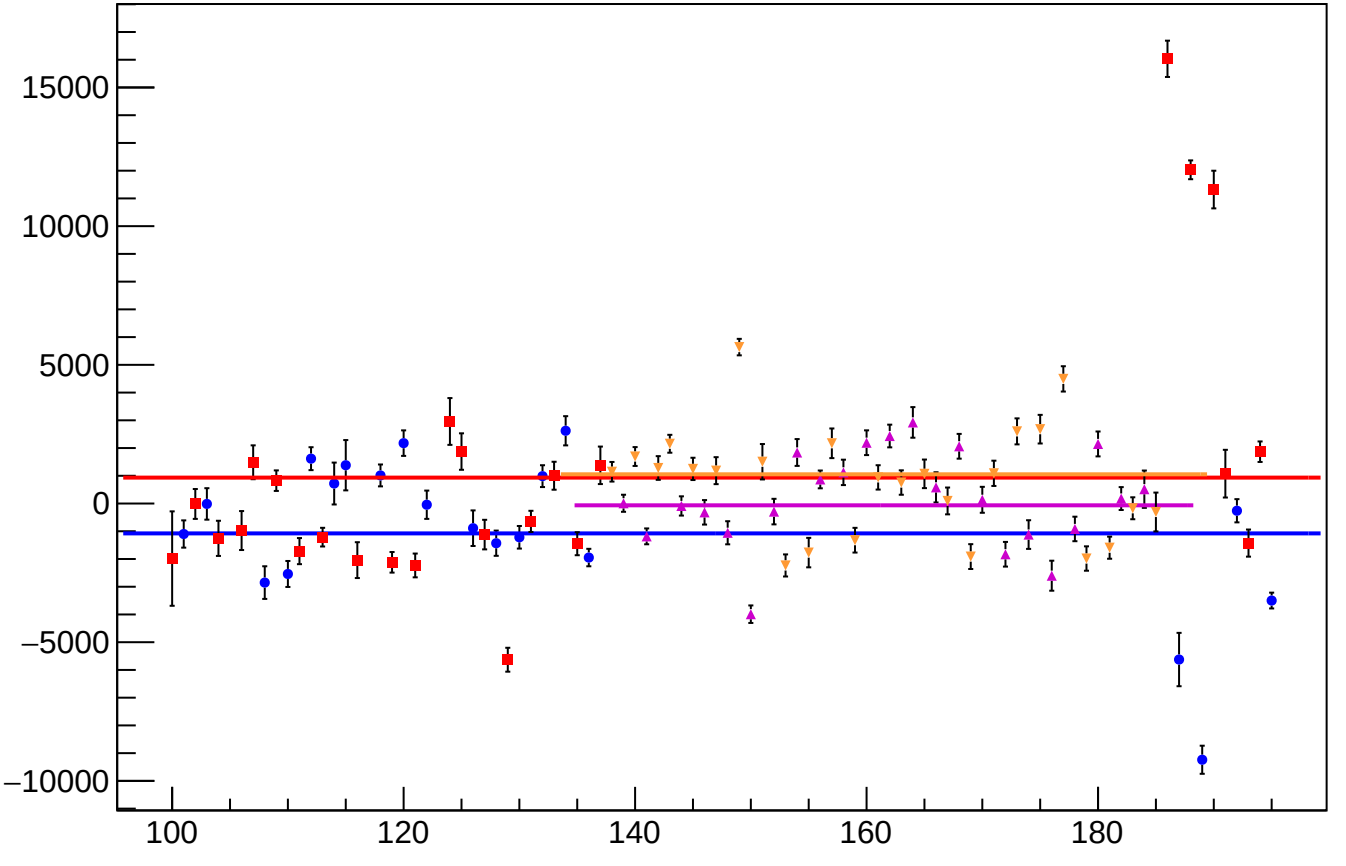
Right: 219.020+/-0.036 χ^2/NDF: 3063541.5/44

In: 225.854+/-0.031 χ^2/NDF:2257499.1/42

Out: 232.379+/-0.031 χ^2/NDF:3020157.2/49

All: 229.144+/-0.022 χ^2/NDF: 5299740.7/92

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -1076.922+/-102.620 χ^2/NDF: 603.3/19

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 934.157+/-97.959 χ^2/NDF: 2414.3/24

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

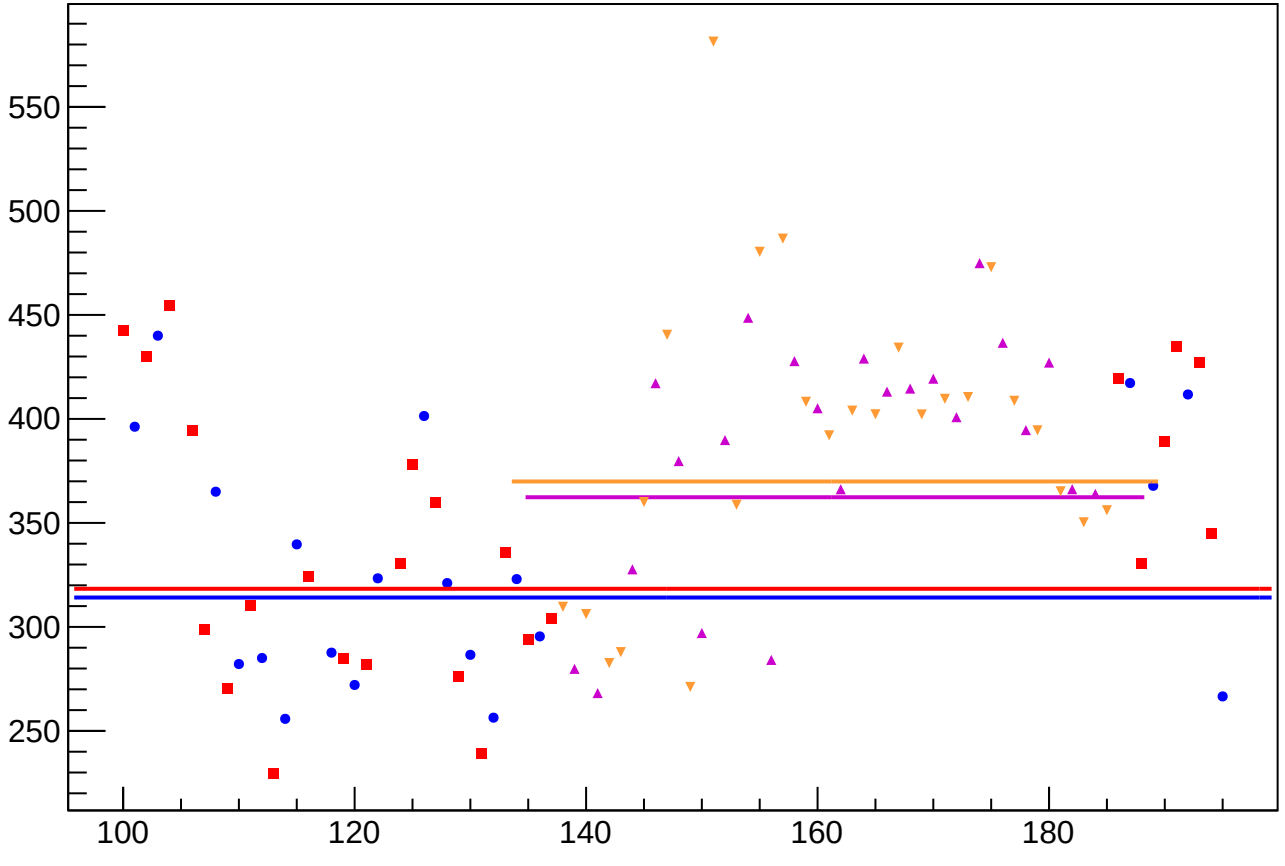
Right: -24.668+/-70.858 χ^2/NDF: 3218.6/44

In: -486.028+/-66.210 χ^2/NDF:1054.6/42

Out: 1001.543+/-64.584 χ^2/NDF:3029.8/49

All: 276.251+/-46.232 χ^2/NDF: 4343.0/92

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 314.132+/-0.073 χ^2/NDF: 535628.7/19

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 318.335+/-0.069 χ^2/NDF: 781860.2/24

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

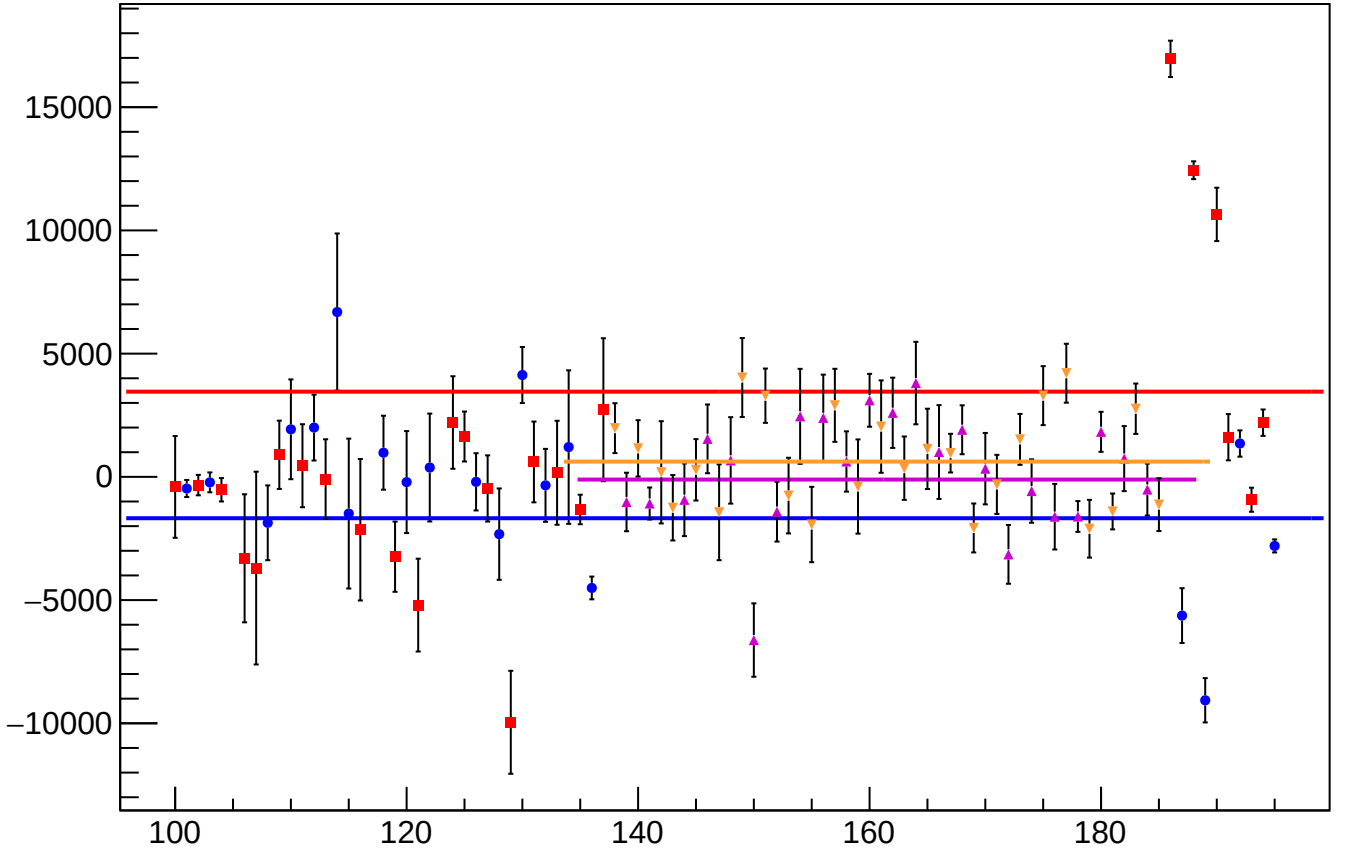
Right: 316.331+/-0.050 χ^2/NDF: 1319244.3/44

In: 342.273+/-0.047 χ^2/NDF:1846674.8/42

Out: 347.500+/-0.046 χ^2/NDF:2325746.8/49

All: 344.951+/-0.033 χ^2/NDF: 4178808.2/92

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -1678.684+/-151.341 χ^2/NDF: 244.8/19

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 3456.846+/-163.171 χ^2/NDF: 1436.2/24

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

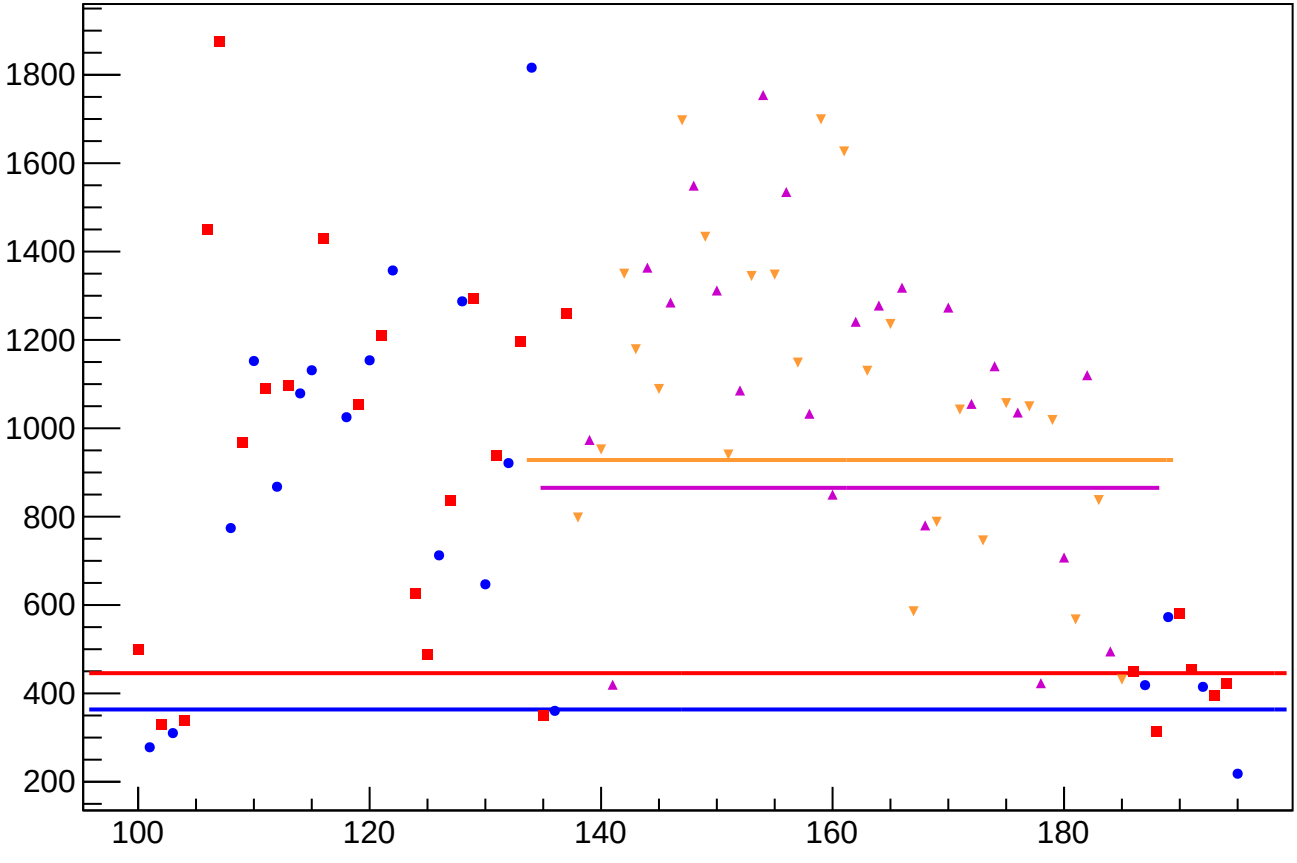
Right: 696.191+/-110.961 χ^2/NDF: 2213.4/44

In: -1226.410+/-127.682 χ^2/NDF:347.5/42

Out: 2550.089+/-134.607 χ^2/NDF:1598.6/49

All: 562.201+/-92.636 χ^2/NDF: 2360.4/92

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 363.614+/-0.107 χ^2/NDF: 4466423.5/19

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 445.817+/-0.115 χ^2/NDF: 4141443.2/24

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

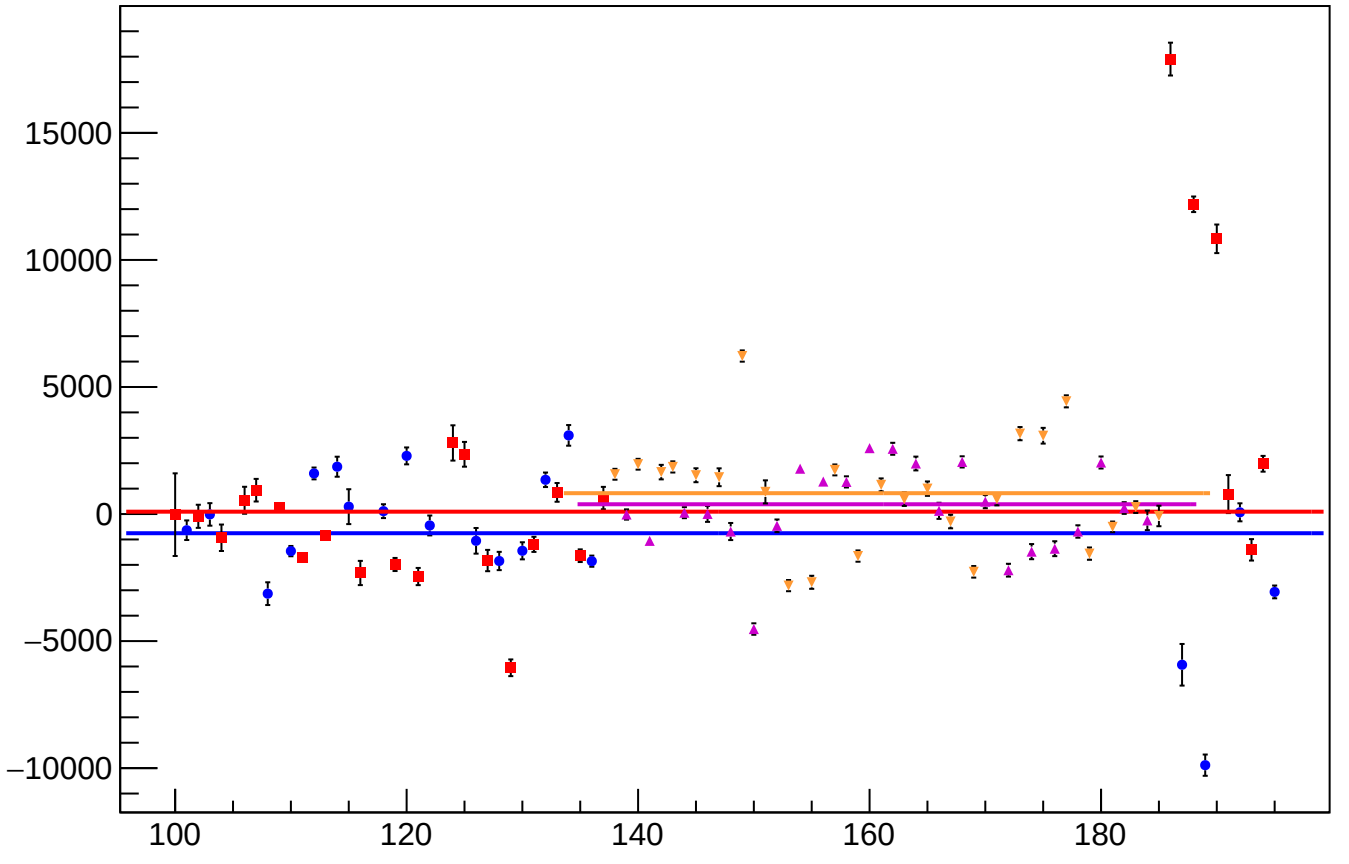
Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

Right: 401.628+/-0.078 χ^2/NDF: 8880728.3/44

In: 508.191+/-0.090 χ^2/NDF:15591661.0/42

Out: 599.937+/-0.095 χ^2/NDF:13021267.9/49

All: 551.643+/-0.066 χ^2/NDF: 29102002.6/92



Right In: -754.923+/-72.989 χ^2/NDF: 1074.0/19

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 93.034+/-67.218 χ^2/NDF: 3479.6/24

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

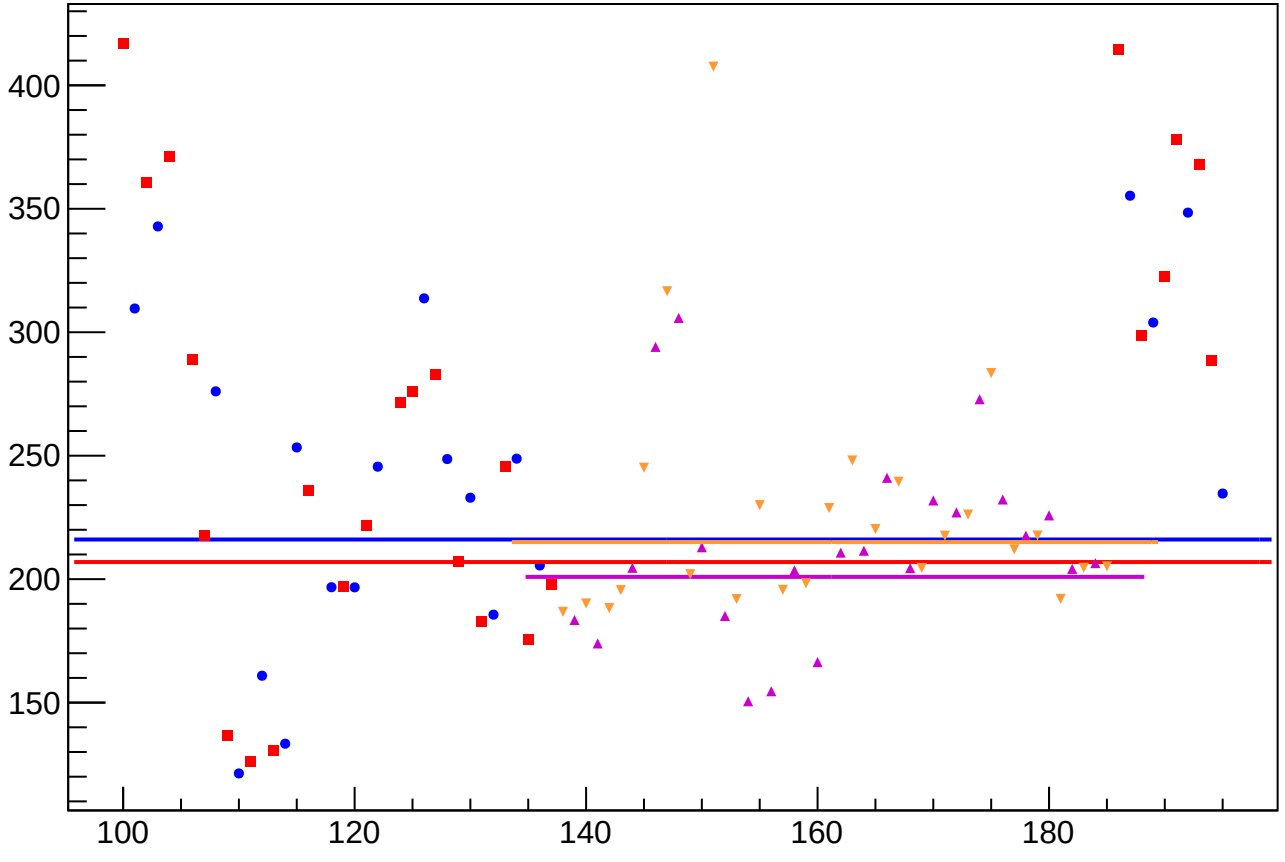
Right: -296.099+/-49.445 χ^2/NDF: 4626.6/44

In: 36.301+/-40.369 χ^2/NDF:2496.6/42

Out: 561.599+/-40.116 χ^2/NDF:5545.9/49

All: 300.600+/-28.455 χ^2/NDF: 8127.6/92

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 216.059+/-0.052 χ^2/NDF: 1561814.7/19

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 206.932+/-0.048 χ^2/NDF: 2648356.2/24

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

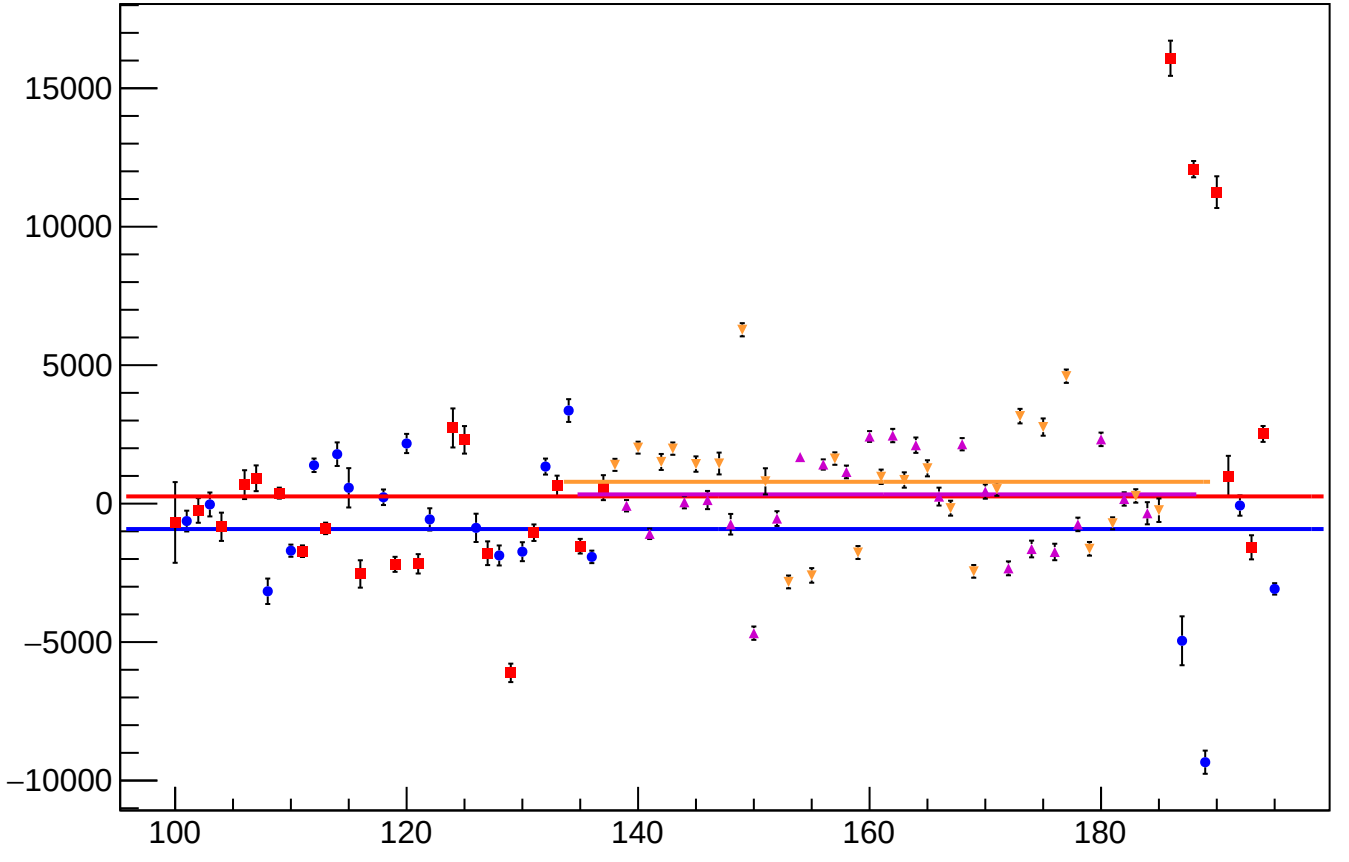
Right: 211.120+/-0.035 χ^2/NDF: 4227093.3/44

In: 205.549+/-0.029 χ^2/NDF:2727401.8/42

Out: 212.143+/-0.028 χ^2/NDF:3564823.4/49

All: 208.867+/-0.020 χ^2/NDF: 6319079.2/92

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -917.994+/-73.557 χ^2/NDF: 1014.0/19

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 260.481+/-69.084 χ^2/NDF: 3453.6/24

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

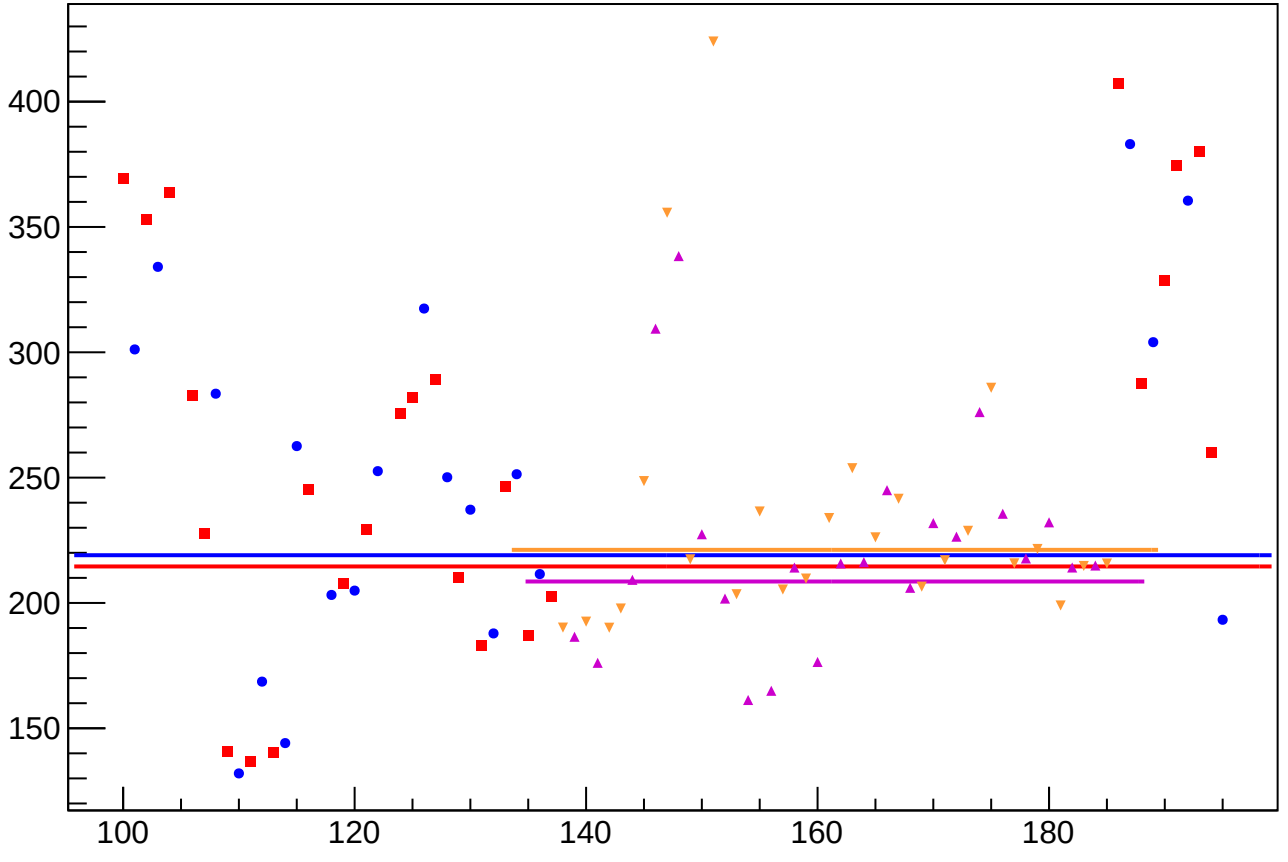
Right: -291.844+/-50.357 χ^2/NDF: 4603.9/44

In: -64.251+/-41.461 χ^2/NDF:2426.6/42

Out: 599.992+/-41.251 χ^2/NDF:5381.3/49

All: 269.559+/-29.243 χ^2/NDF: 7936.9/92

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 219.044+/-0.052 χ^2/NDF: 1382667.3/19

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.558+/-0.049 χ^2/NDF: 2234015.4/24

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

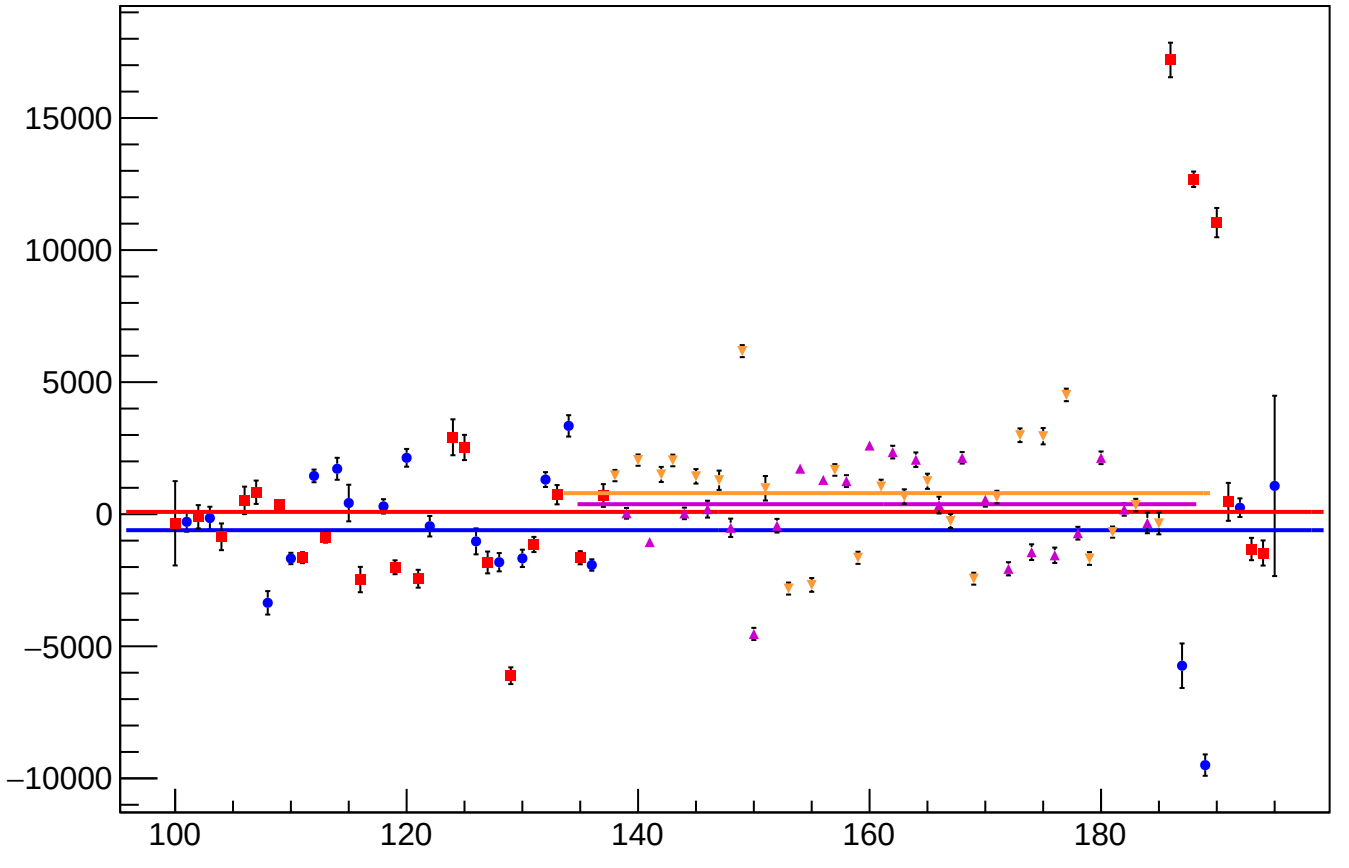
Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

Right: 216.660+/-0.036 χ^2/NDF: 3620635.0/44

In: 211.888+/-0.029 χ^2/NDF:2446046.2/42

Out: 218.822+/-0.029 χ^2/NDF:3185378.4/49

All: 215.373+/-0.021 χ^2/NDF: 5659538.1/92



Right In: -604.763+/-76.475 χ^2/NDF: 976.8/19

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 87.791+/-68.185 χ^2/NDF: 3730.1/24

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

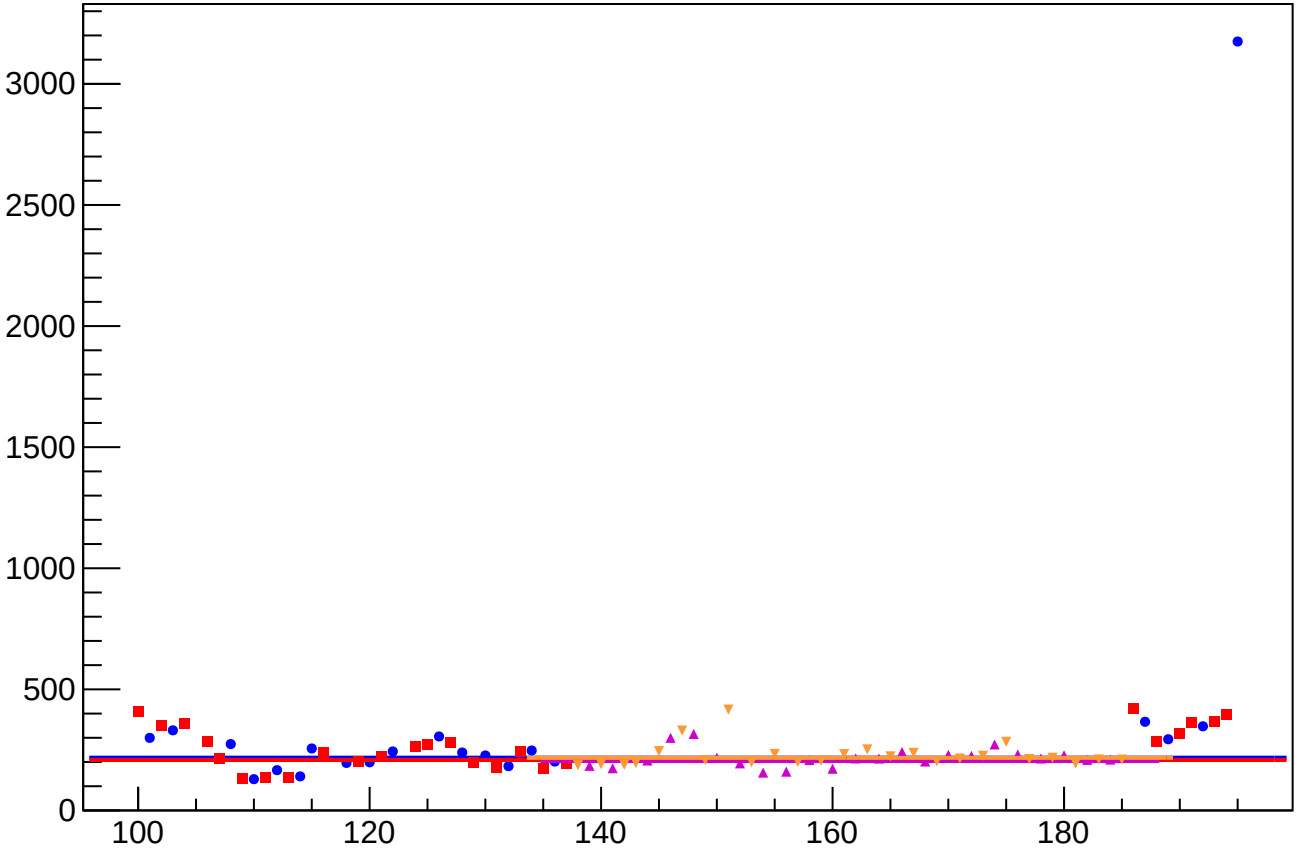
Right: -218.927+/-50.893 χ^2/NDF: 4752.6/44

In: 91.564+/-41.367 χ^2/NDF:2295.2/42

Out: 546.114+/-40.579 χ^2/NDF:5760.9/49

All: 323.208+/-28.968 χ^2/NDF: 8117.6/92

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 217.977+/-0.054 χ^2/NDF: 2828720.8/19

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 208.205+/-0.048 χ^2/NDF: 2611043.4/24

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

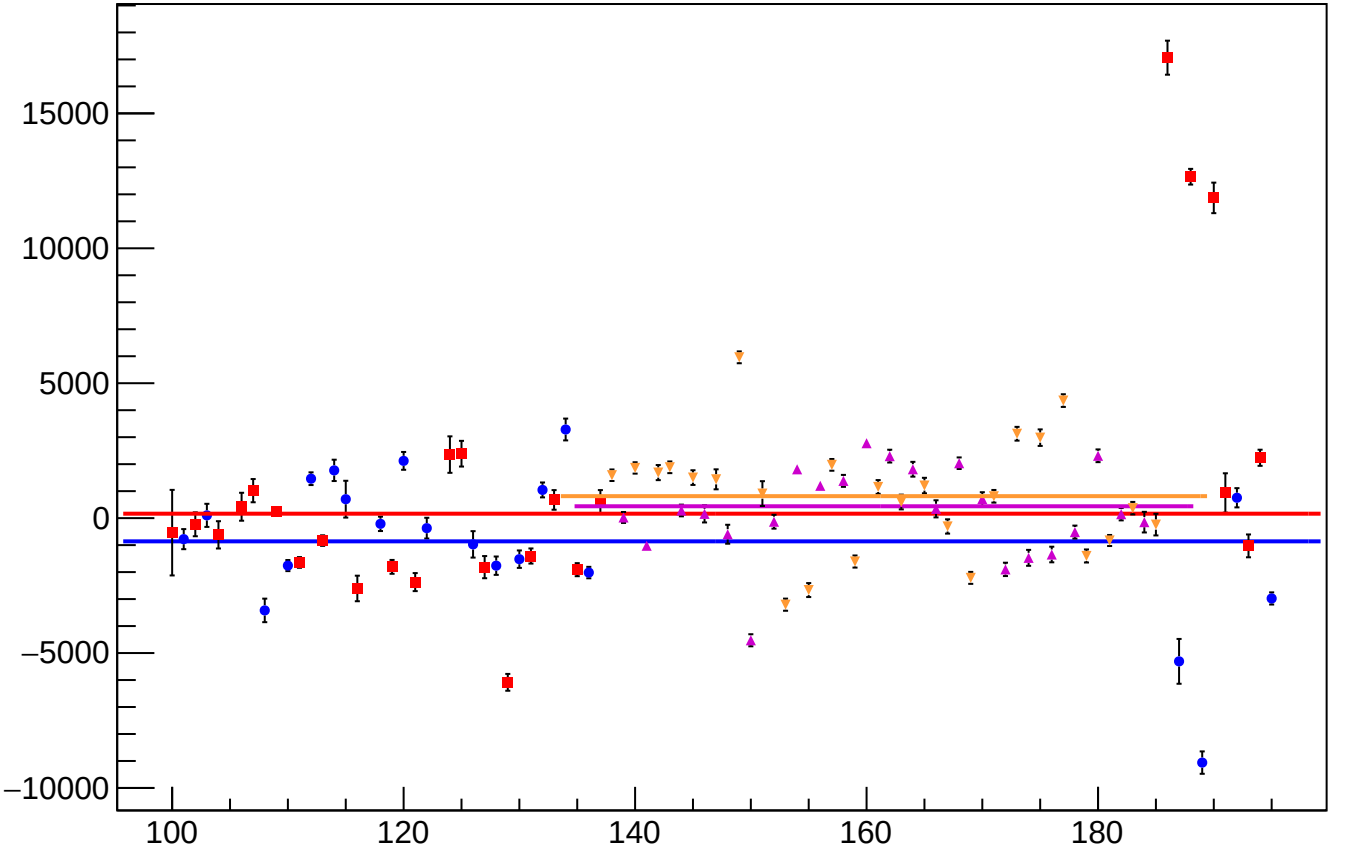
Right: 212.533+/-0.036 χ^2/NDF: 5457960.5/44

In: 208.308+/-0.029 χ^2/NDF:3888972.4/42

Out: 214.030+/-0.029 χ^2/NDF:3544090.8/49

All: 211.224+/-0.020 χ^2/NDF: 7452565.0/92

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -860.596+/-71.273 χ^2/NDF: 1016.4/19

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 164.330+/-65.723 χ^2/NDF: 3876.3/24

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

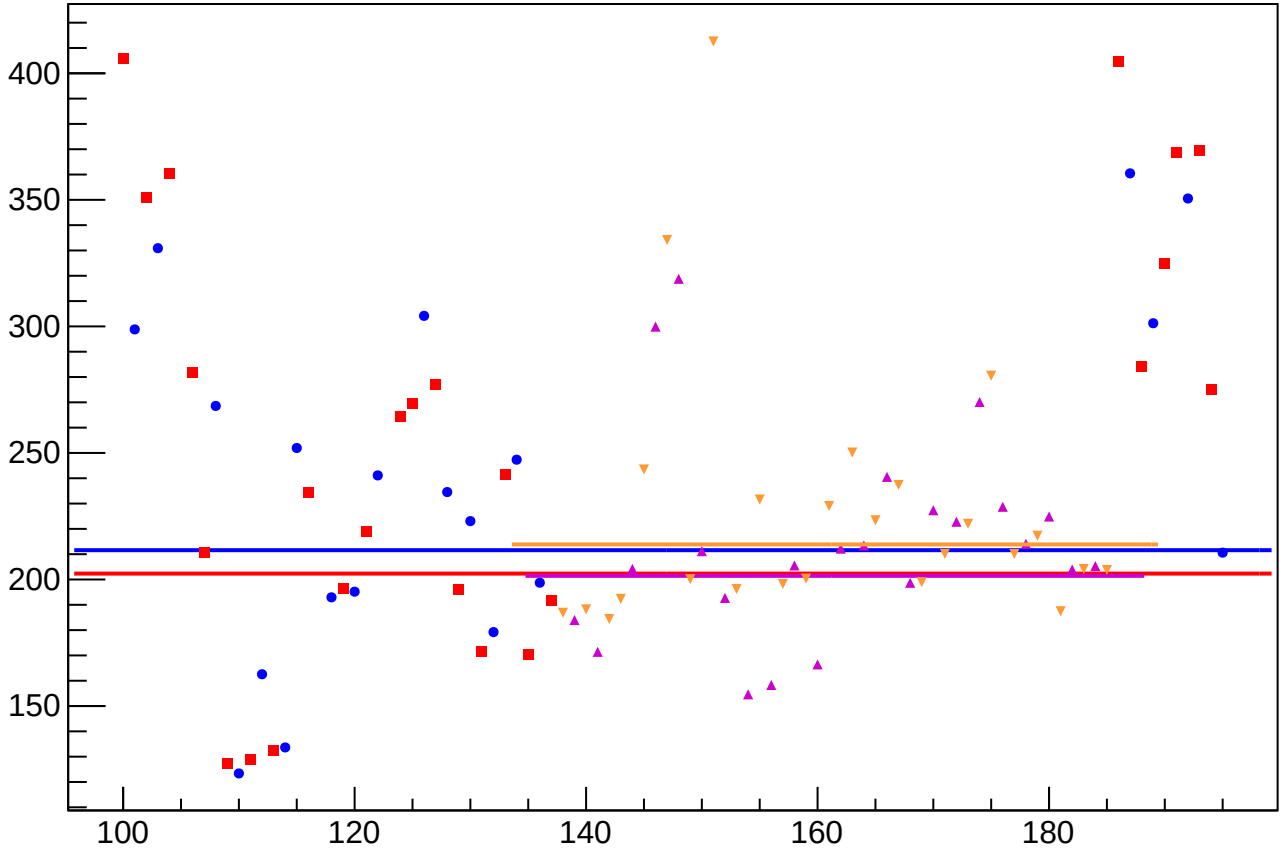
Right: -306.685+/-48.316 χ^2/NDF: 5004.5/44

In: 27.726+/-40.117 χ^2/NDF:2478.8/42

Out: 577.462+/-39.672 χ^2/NDF:5938.9/49

All: 305.659+/-28.208 χ^2/NDF: 8512.6/92

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 211.580+/-0.050 χ^2/NDF: 1461210.0/19

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 202.336+/-0.046 χ^2/NDF: 2595026.7/24

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

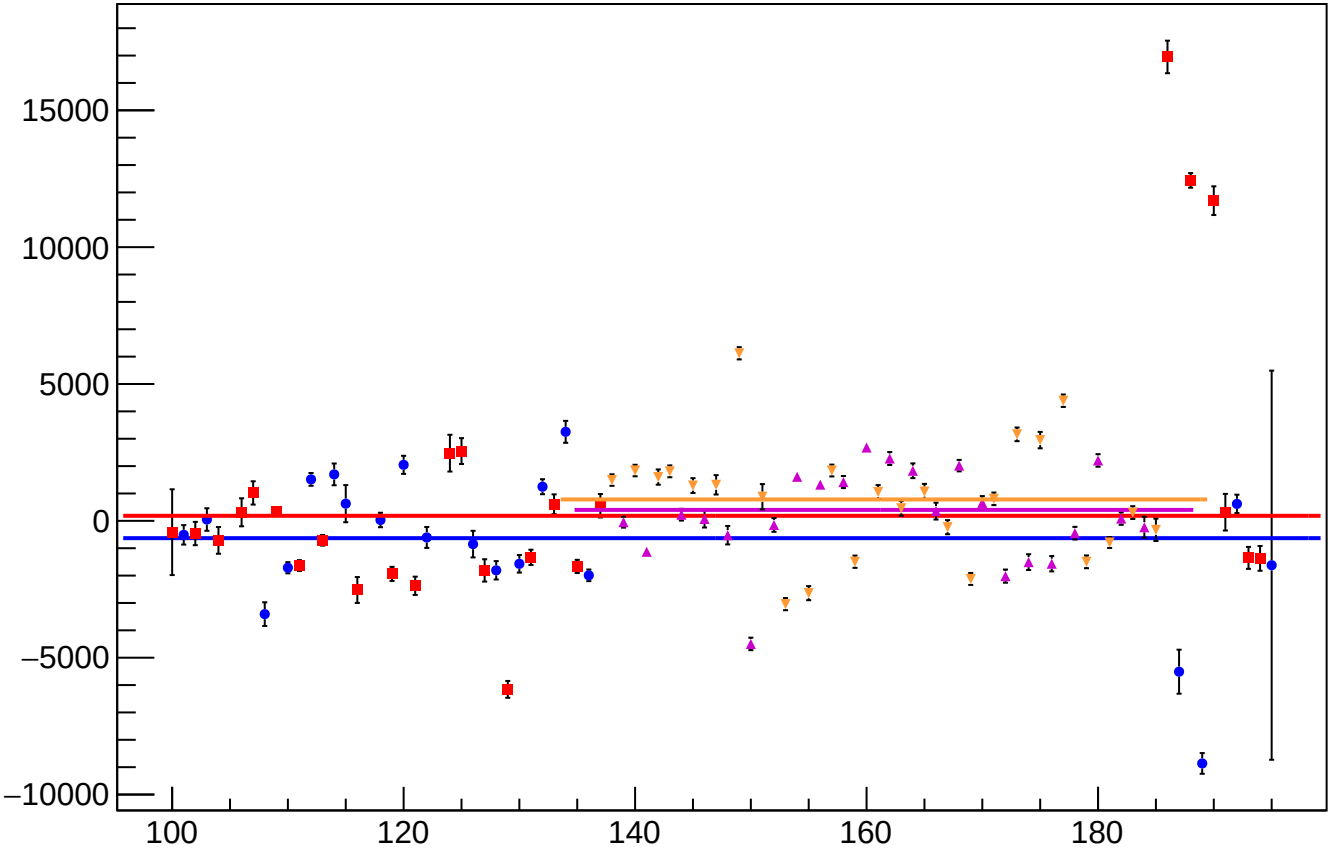
Right: 206.584+/-0.034 χ^2/NDF: 4074419.7/44

In: 204.656+/-0.028 χ^2/NDF:2550807.3/42

Out: 209.653+/-0.028 χ^2/NDF:3597615.7/49

All: 207.183+/-0.020 χ^2/NDF: 6164112.8/92

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -632.308+/-74.062 χ^2/NDF: 992.4/19

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 184.102+/-65.481 χ^2/NDF: 4271.9/24

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

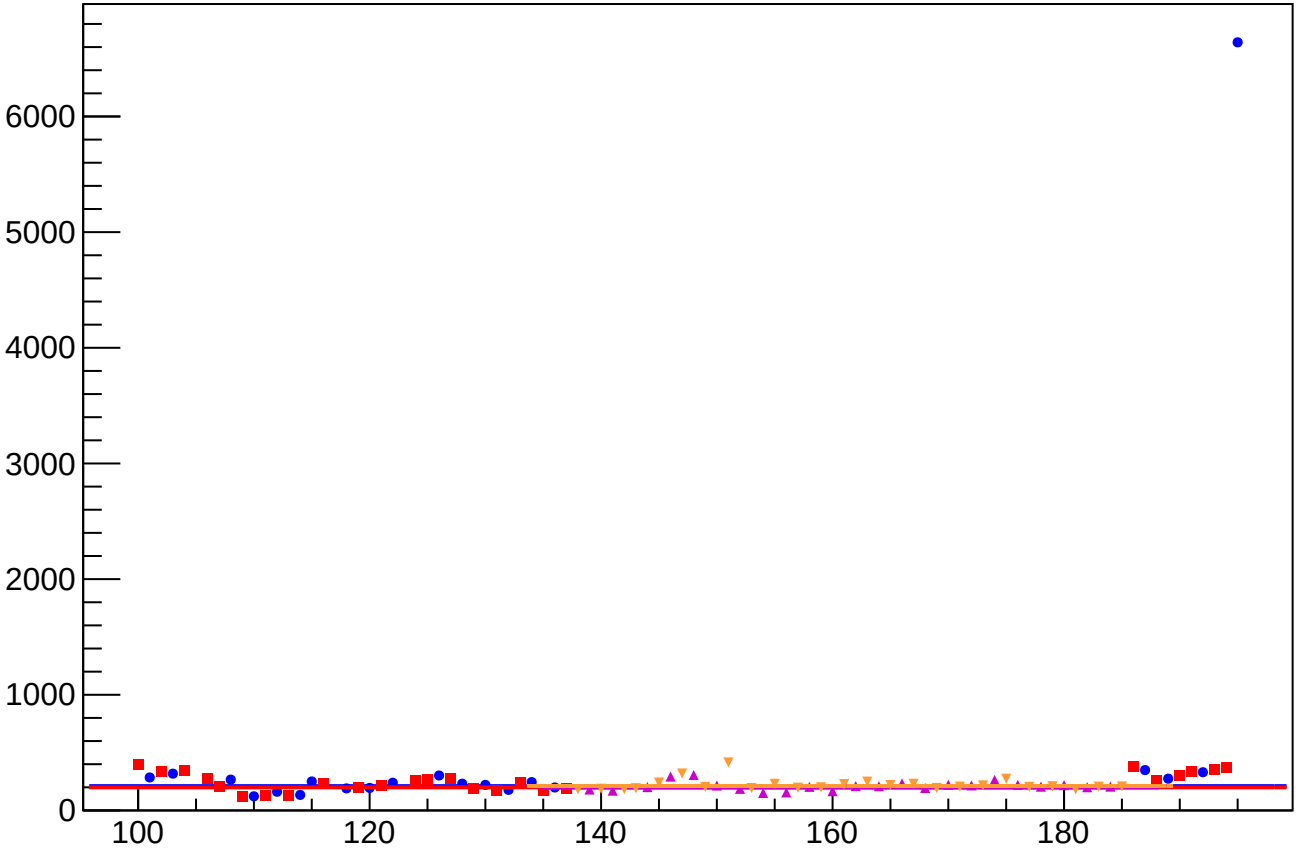
Right: -174.090+/-49.057 χ^2/NDF: 5332.6/44

In: 96.128+/-40.173 χ^2/NDF:2361.5/42

Out: 566.509+/-39.334 χ^2/NDF:6326.6/49

All: 336.282+/-28.105 χ^2/NDF: 8758.1/92

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 210.175+/-0.052 χ^2/NDF: 2966252.4/19

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 199.523+/-0.046 χ^2/NDF: 2587029.5/24

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

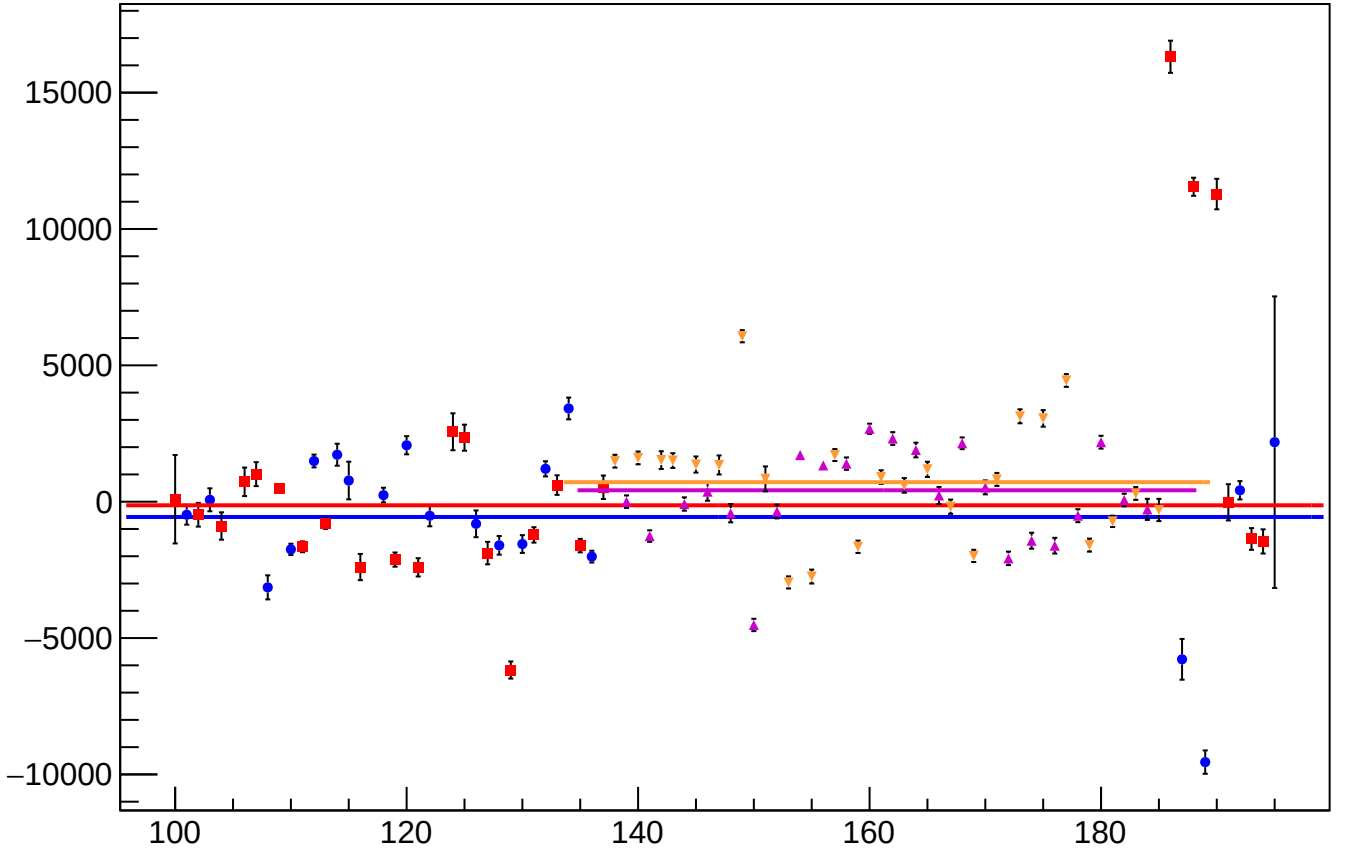
Right: 204.197+/-0.035 χ^2/NDF: 5576501.2/44

In: 201.952+/-0.028 χ^2/NDF:4007642.3/42

Out: 207.176+/-0.028 χ^2/NDF:3564741.3/49

All: 204.619+/-0.020 χ^2/NDF: 7589646.3/92

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -560.351+/-75.287 χ^2/NDF: 953.3/19

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -132.262+/-67.315 χ^2/NDF: 3158.5/24

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

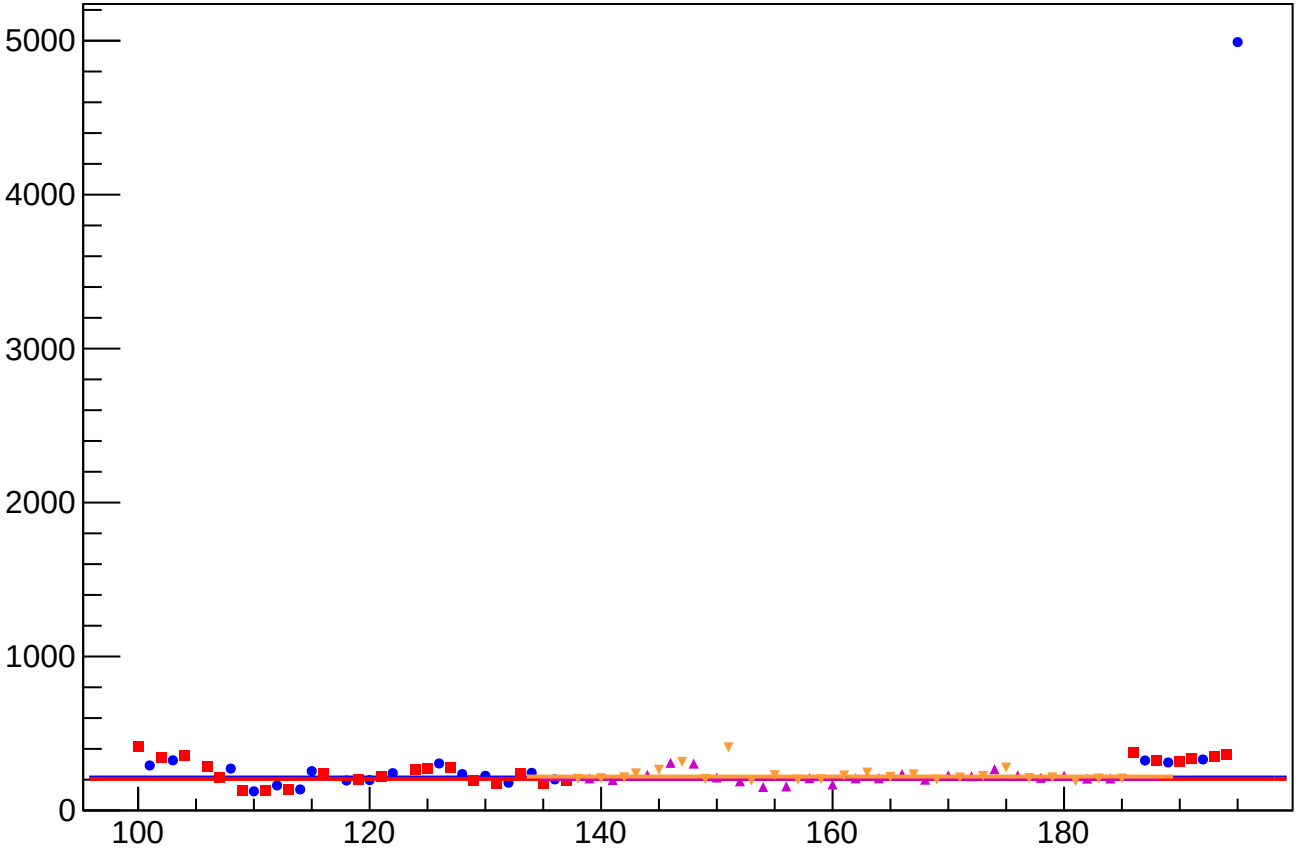
Right: -322.449+/-50.181 χ^2/NDF: 4129.7/44

In: 122.924+/-41.375 χ^2/NDF:2312.3/42

Out: 405.584+/-40.706 χ^2/NDF:5177.1/49

All: 266.555+/-29.017 χ^2/NDF: 7513.1/92

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 213.776+/-0.053 χ^2/NDF: 2959671.4/19

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 204.865+/-0.048 χ^2/NDF: 2674725.1/24

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

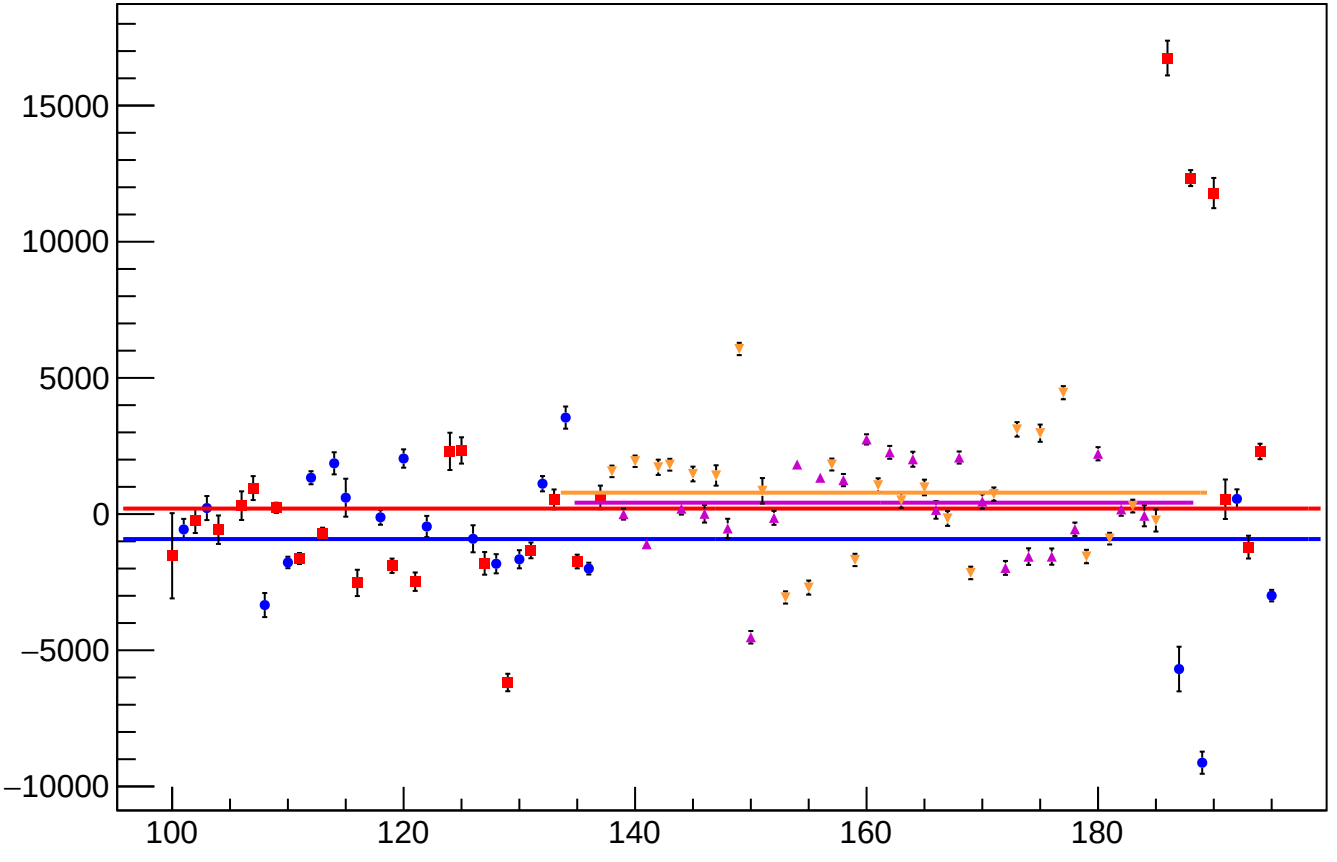
Right: 208.824+/-0.035 χ^2/NDF: 5649964.6/44

In: 207.986+/-0.029 χ^2/NDF:3990579.5/42

Out: 214.558+/-0.029 χ^2/NDF:3539788.6/49

All: 211.326+/-0.021 χ^2/NDF: 7556002.7/92

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -916.886+/-72.032 χ^2/NDF: 1044.8/19

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 202.772+/-66.982 χ^2/NDF: 3689.4/24

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

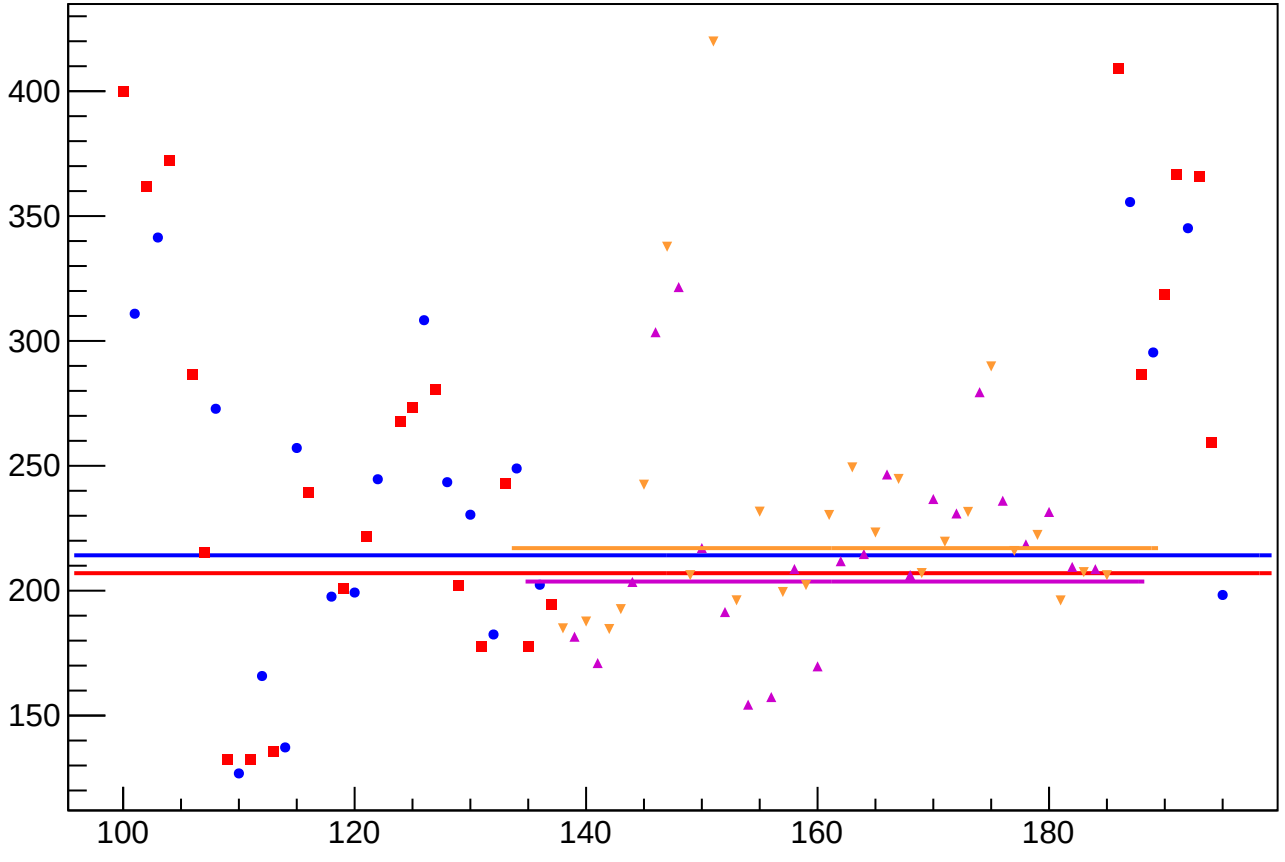
Right: -316.440+/-49.052 χ^2/NDF: 4863.7/44

In: -5.525+/-40.600 χ^2/NDF:2490.4/42

Out: 575.090+/-40.336 χ^2/NDF:5675.4/49

All: 286.678+/-28.615 χ^2/NDF: 8268.7/92

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 214.167+/-0.051 χ^2/NDF: 1417814.3/19

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 207.009+/-0.047 χ^2/NDF: 2431895.3/24

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

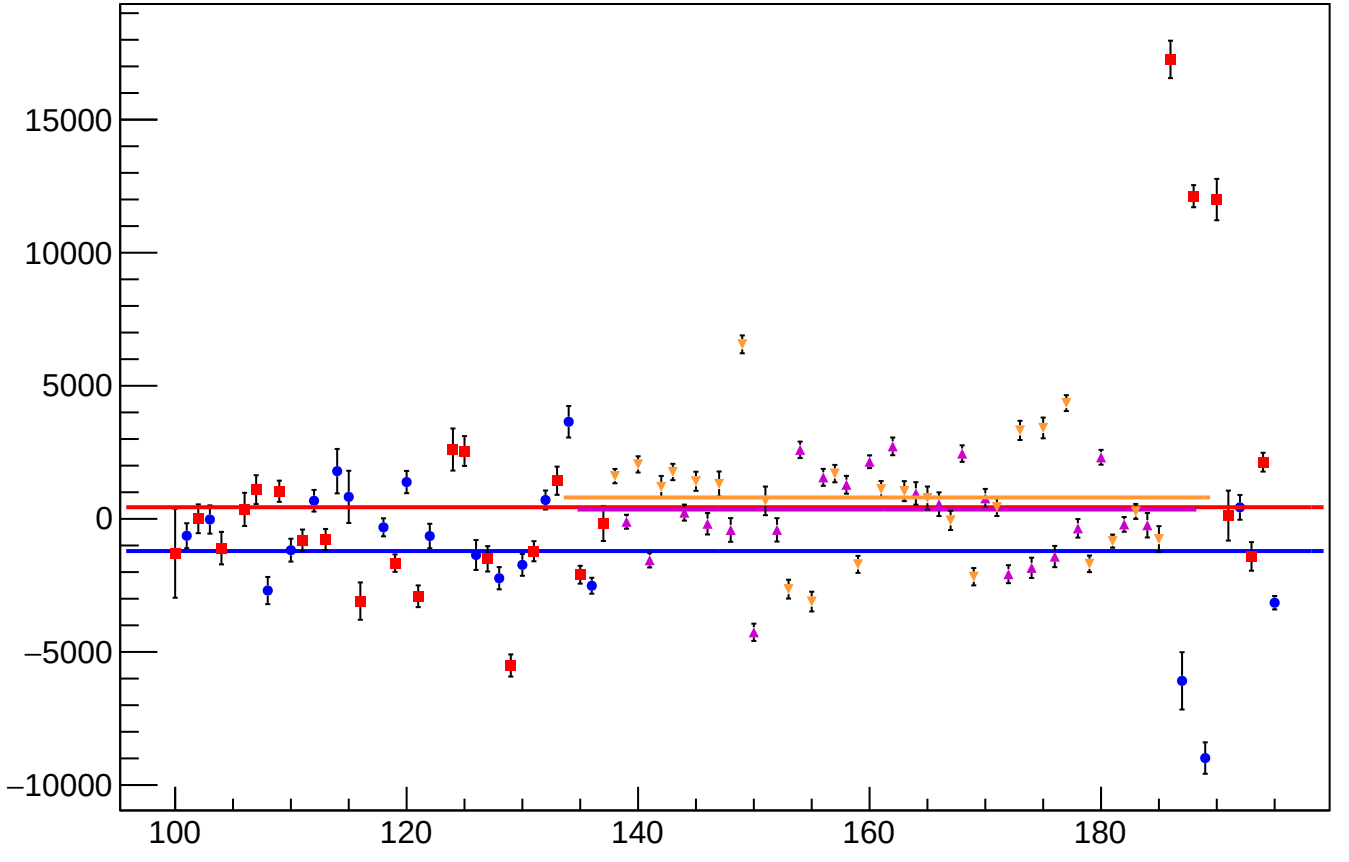
Right: 210.328+/-0.035 χ^2/NDF: 3860300.9/44

In: 206.998+/-0.029 χ^2/NDF:2612183.1/42

Out: 213.402+/-0.029 χ^2/NDF:3443654.6/49

All: 210.221+/-0.020 χ^2/NDF: 6080882.9/92

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -1209.641+/-97.273 χ^2/NDF: 488.9/19

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 437.318+/-96.506 χ^2/NDF: 2103.1/24

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

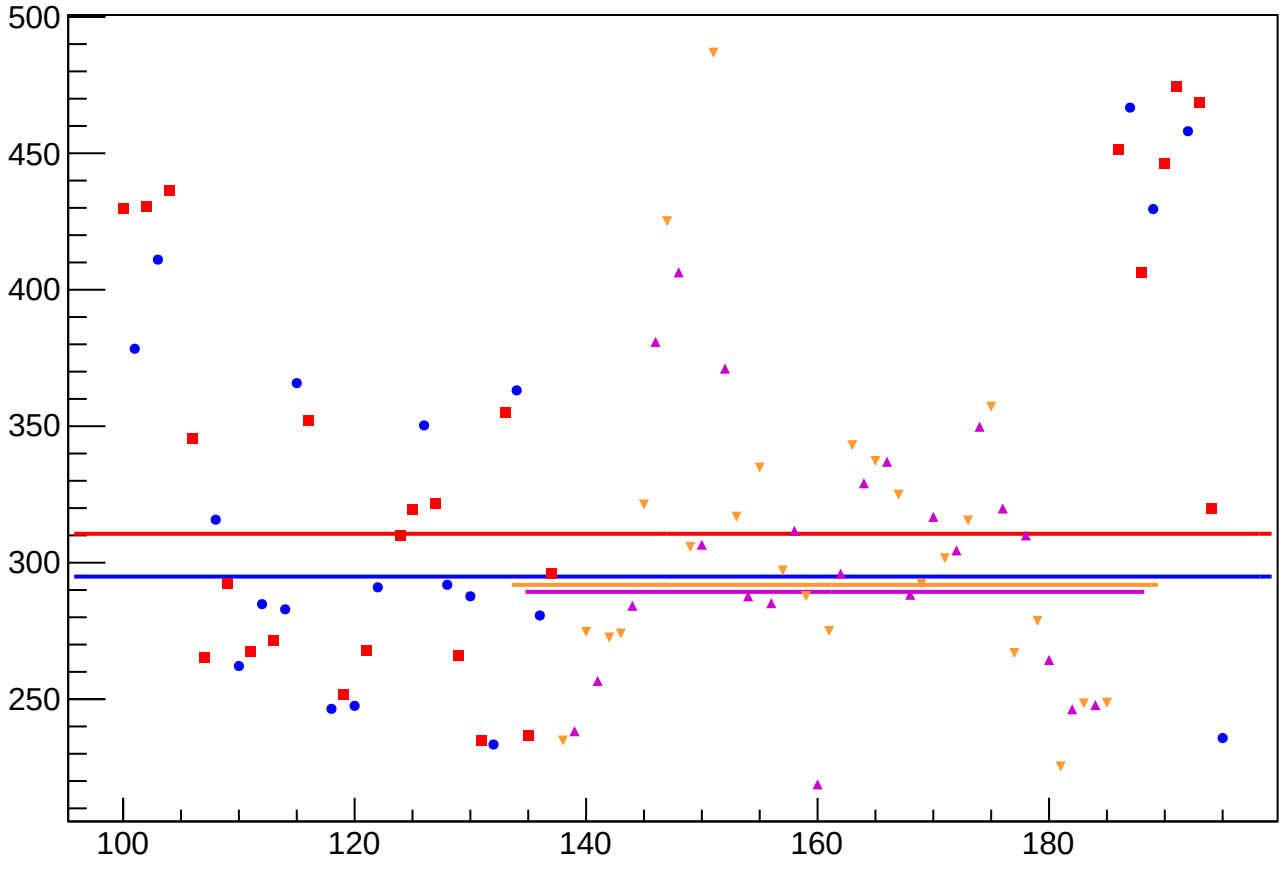
Right: -379.644+/-68.510 χ^2/NDF: 2736.5/44

In: -171.856+/-56.270 χ^2/NDF:1316.1/42

Out: 682.915+/-55.419 χ^2/NDF:3170.5/49

All: 262.048+/-39.485 χ^2/NDF: 4603.7/92

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 294.915+/-0.069 χ^2/NDF: 873287.3/19

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 310.597+/-0.068 χ^2/NDF: 1053847.0/24

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

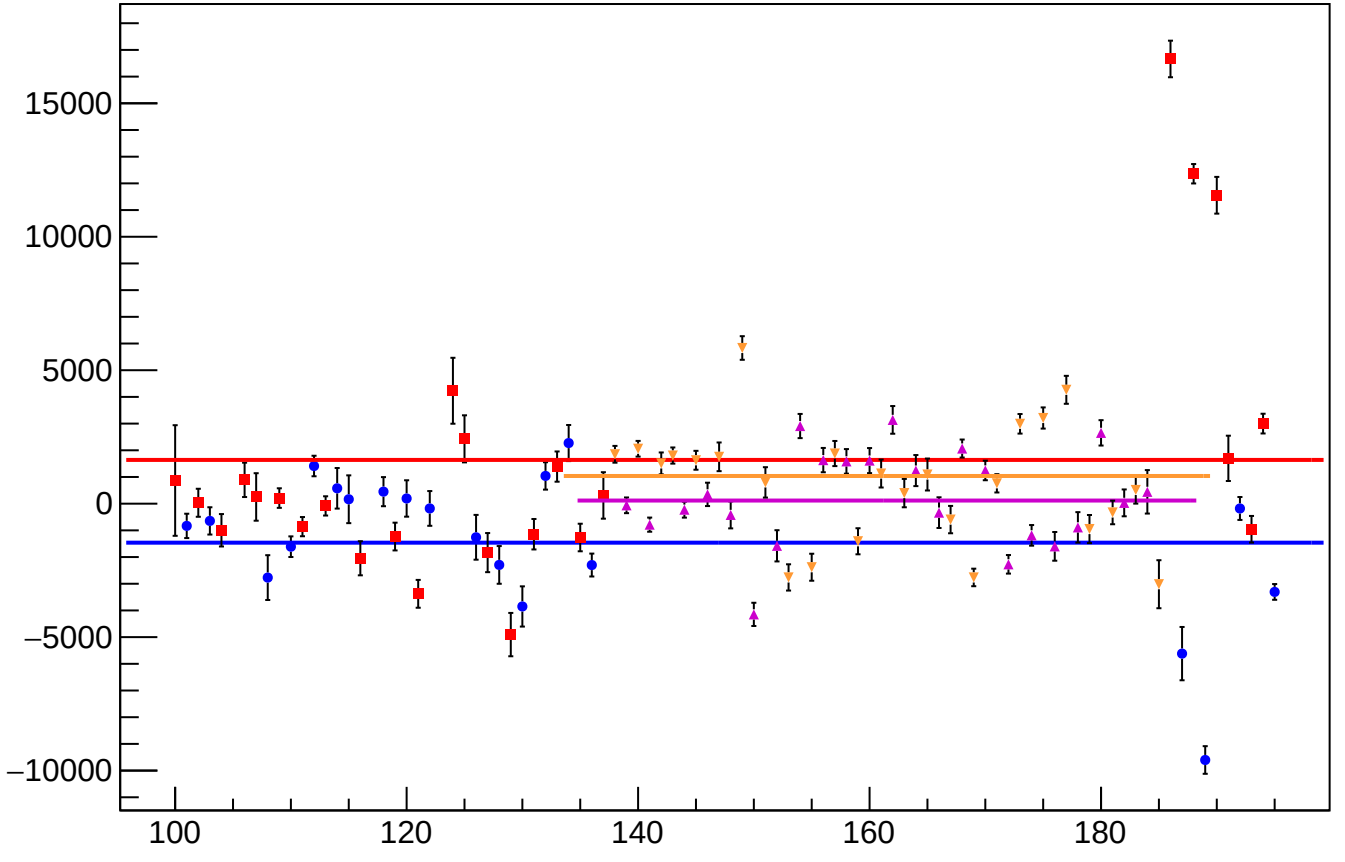
Right: 302.818+/-0.048 χ^2/NDF: 1953332.0/44

In: 291.193+/-0.040 χ^2/NDF:1686293.3/42

Out: 298.054+/-0.039 χ^2/NDF:2064176.2/49

All: 294.676+/-0.028 χ^2/NDF: 3765563.0/92

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -1461.233+/-117.337 χ^2/NDF: 477.7/19

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1639.093+/-109.072 χ^2/NDF: 2024.5/24

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

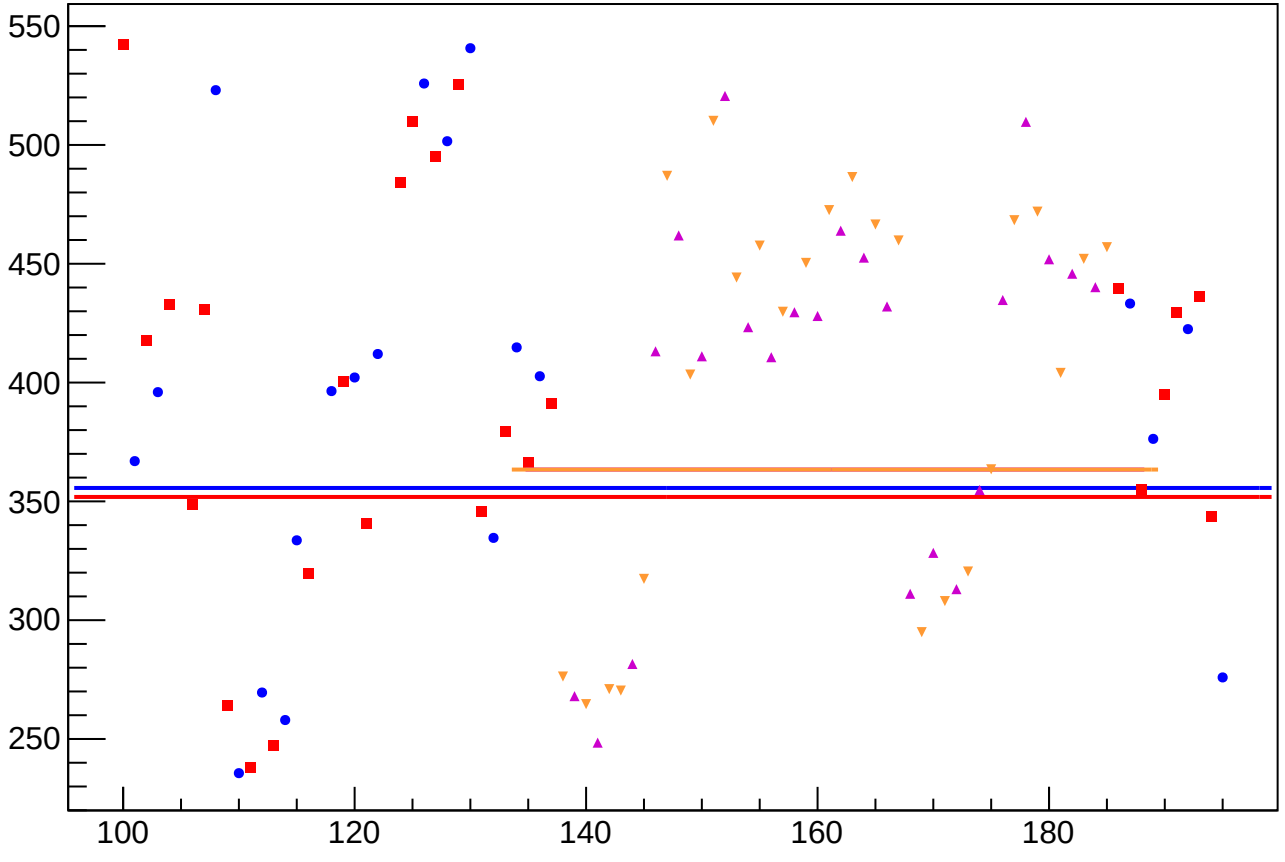
Right: 201.966+/-79.888 χ^2/NDF: 2876.8/44

In: -446.544+/-70.124 χ^2/NDF:964.5/42

Out: 1265.369+/-67.143 χ^2/NDF:2613.6/49

All: 446.568+/-48.497 χ^2/NDF: 3889.0/92

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 355.644+/-0.083 χ^2/NDF: 997041.4/19

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 351.859+/-0.077 χ^2/NDF: 987281.1/24

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

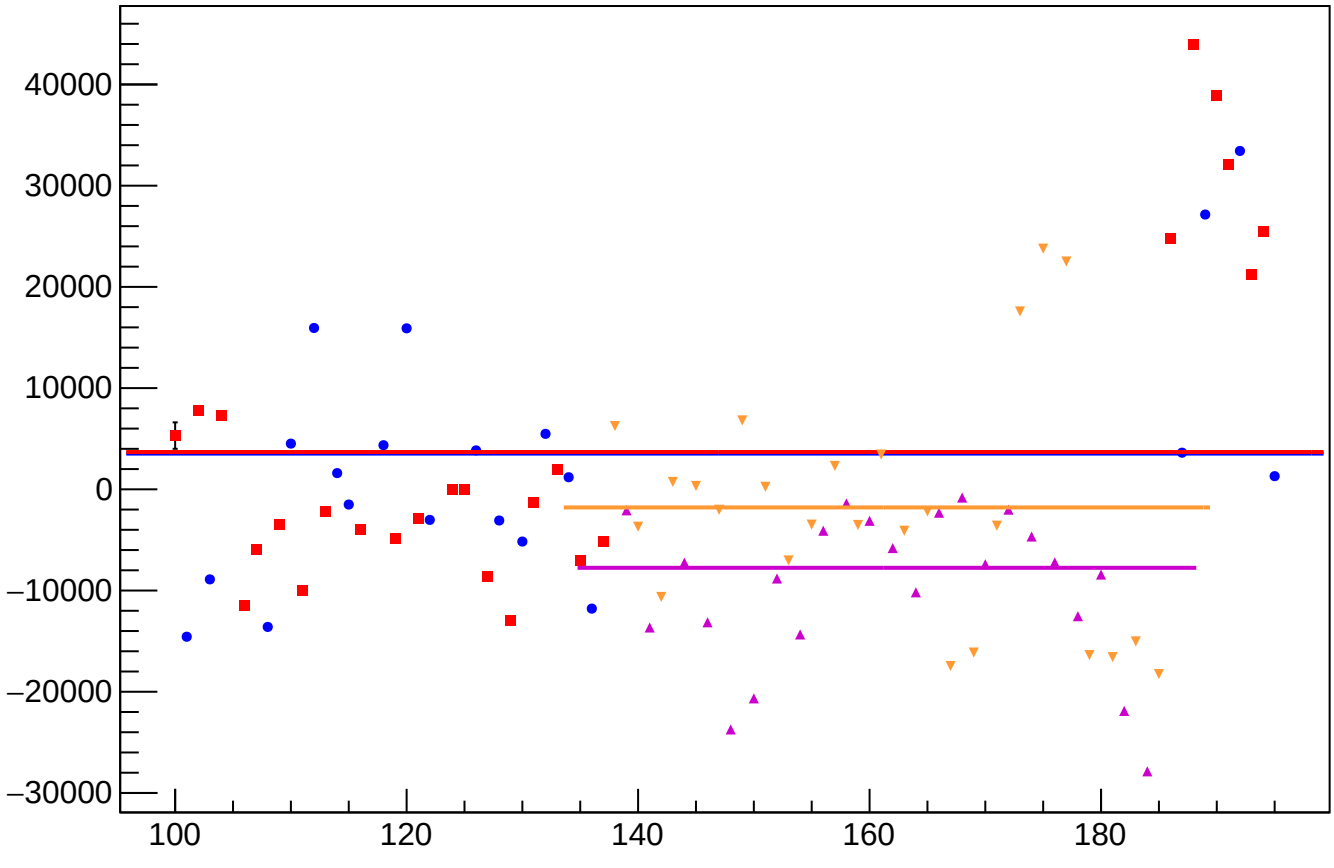
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 353.613+/-0.056 χ^2/NDF: 1985439.2/44

In: 360.621+/-0.050 χ^2/NDF:2714238.1/42

Out: 359.018+/-0.047 χ^2/NDF:2941654.7/49

All: 359.785+/-0.034 χ^2/NDF: 5656437.9/92



Right In: 3531.955+/-48.702 χ^2/NDF: 70211.5/19

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3684.732+/-45.640 χ^2/NDF: 128222.5/24

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

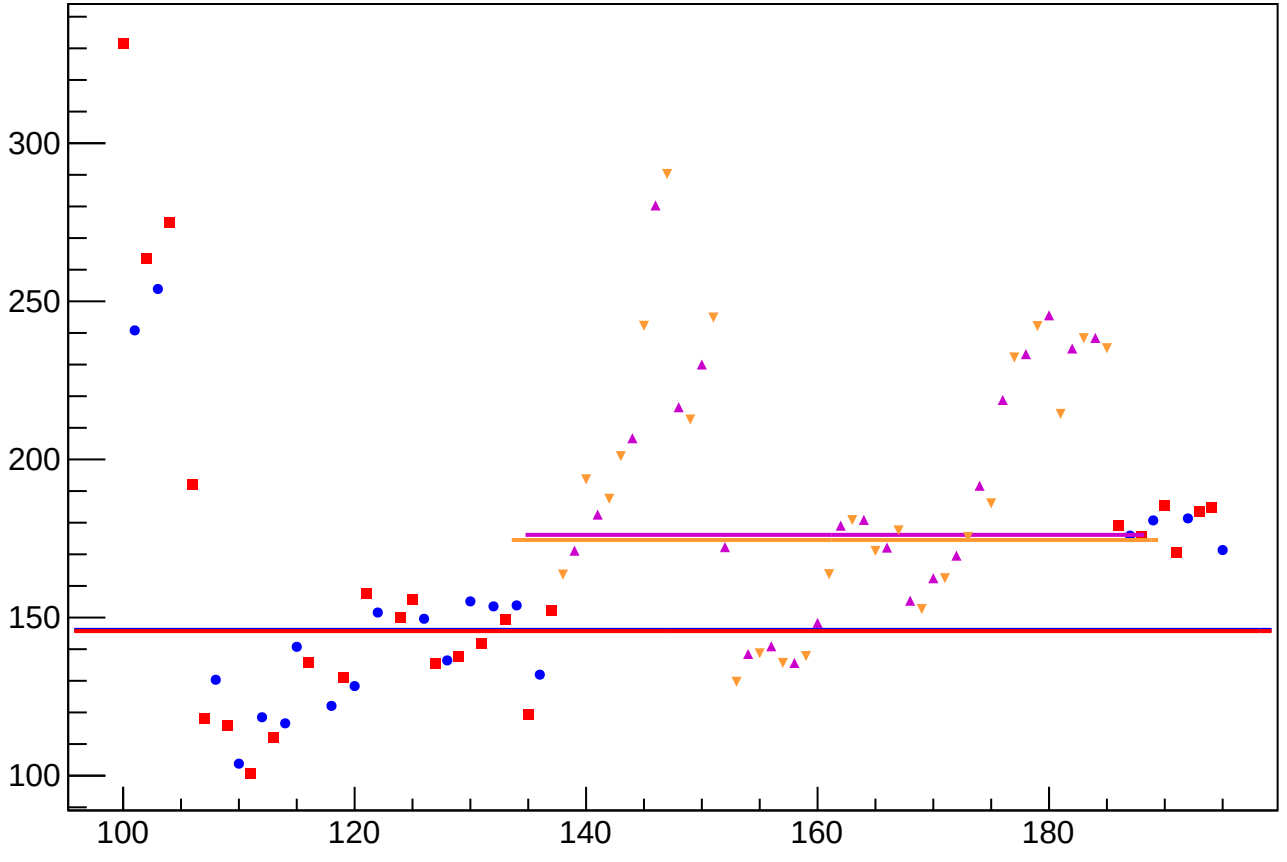
Right: 3613.299+/-33.302 χ^2/NDF: 198439.3/44

In: -2866.009+/-32.052 χ^2/NDF:123933.3/42

Out: 648.930+/-30.463 χ^2/NDF:201948.0/49

All: -1019.247+/-22.081 χ^2/NDF: 332199.7/9

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 146.114+/-0.034 χ^2/NDF: 855005.6/19

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 145.718+/-0.032 χ^2/NDF: 1242826.1/24

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

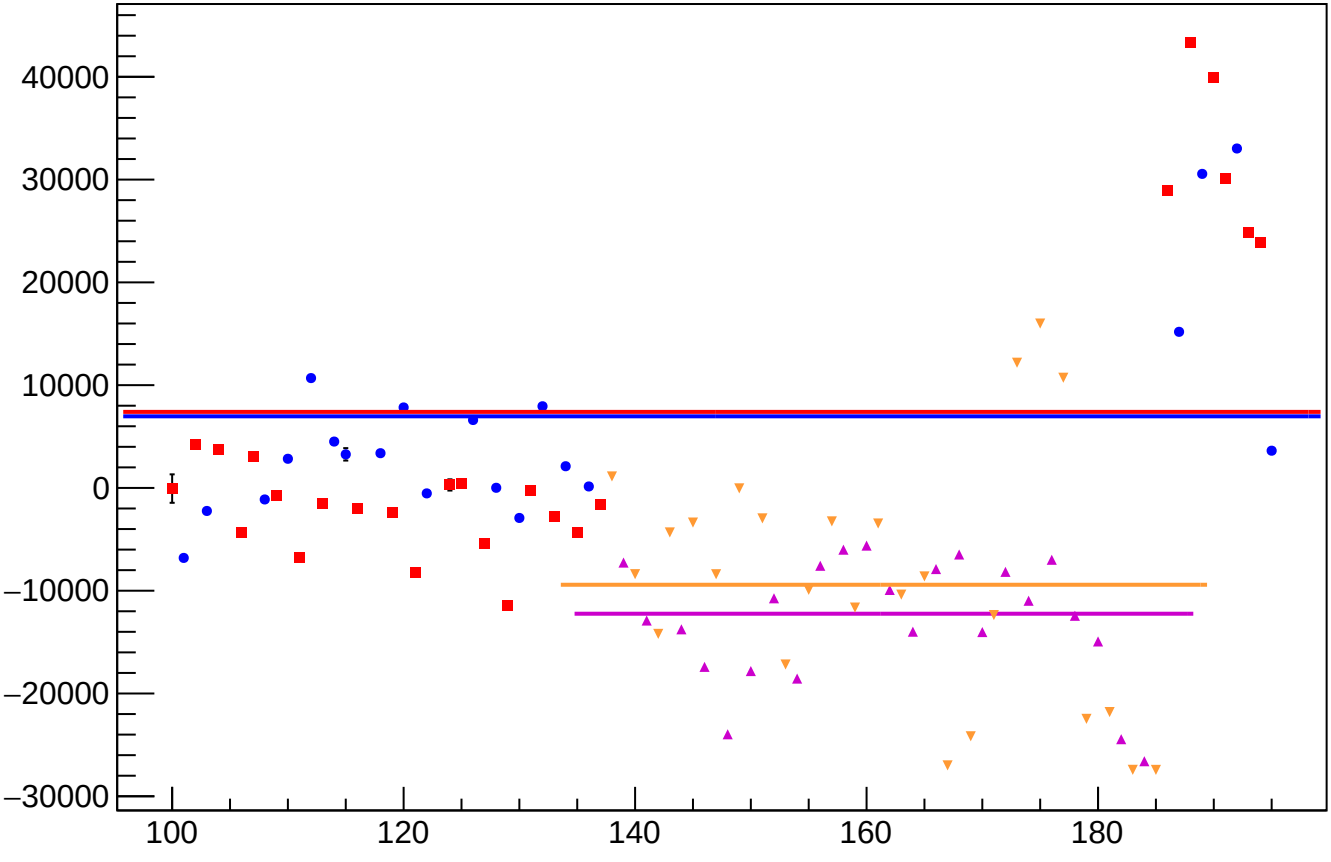
Right: 145.903+/-0.024 χ^2/NDF: 2097902.1/44

In: 163.143+/-0.023 χ^2/NDF:2653416.6/42

Out: 161.688+/-0.022 χ^2/NDF:3343969.4/49

All: 162.379+/-0.016 χ^2/NDF: 5999550.6/92

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 6967.673+/-59.406 χ^2/NDF: 32480.0/19

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 7399.638+/-54.854 χ^2/NDF: 97520.3/24

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

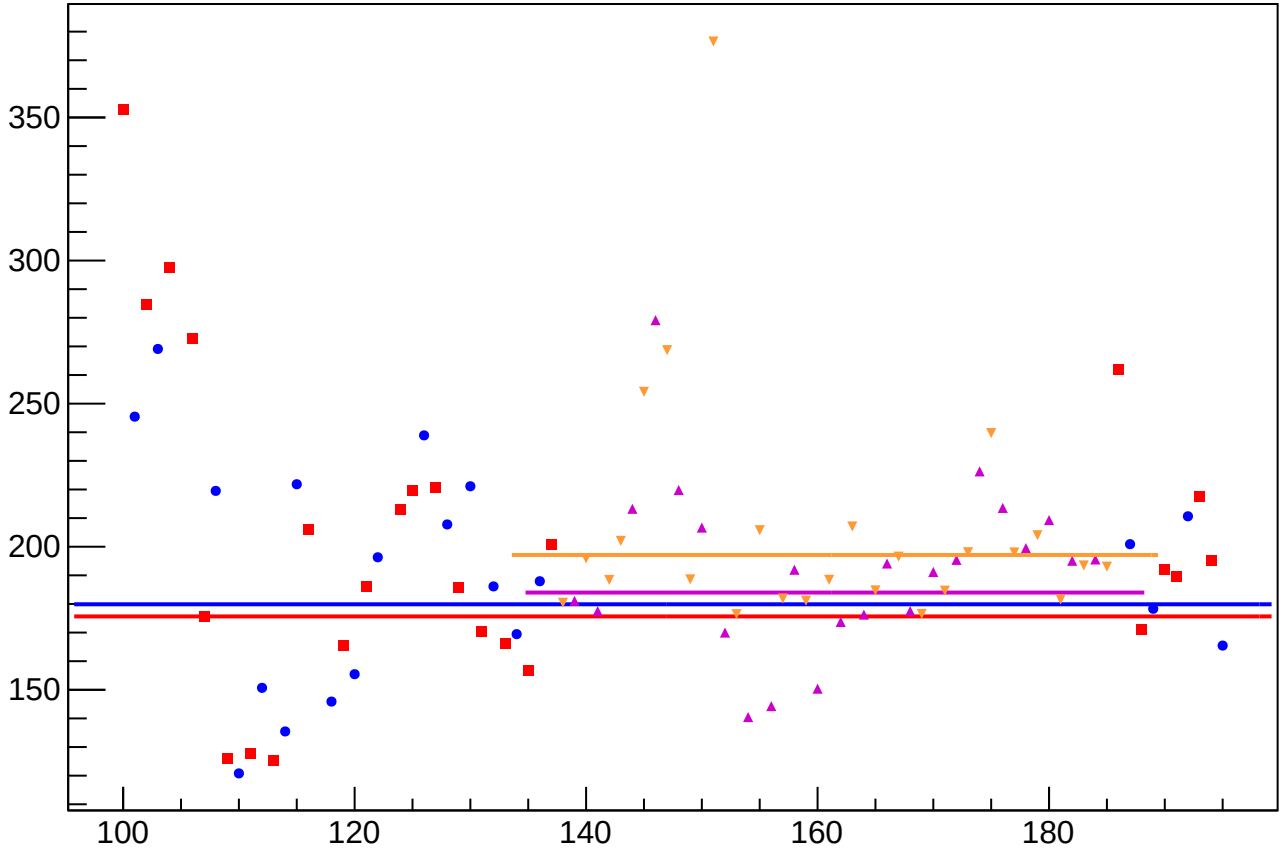
Right: 7200.836+/-40.301 χ^2/NDF: 130028.9/44

In: -5395.882+/-35.459 χ^2/NDF:115782.9/42

Out: -2529.278+/-35.110 χ^2/NDF:217740.9/49

All: -3948.436+/-24.949 χ^2/NDF: 336823.8/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 179.886+/-0.042 χ^2/NDF: 733999.9/19

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 175.646+/-0.039 χ^2/NDF: 1176979.0/24

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

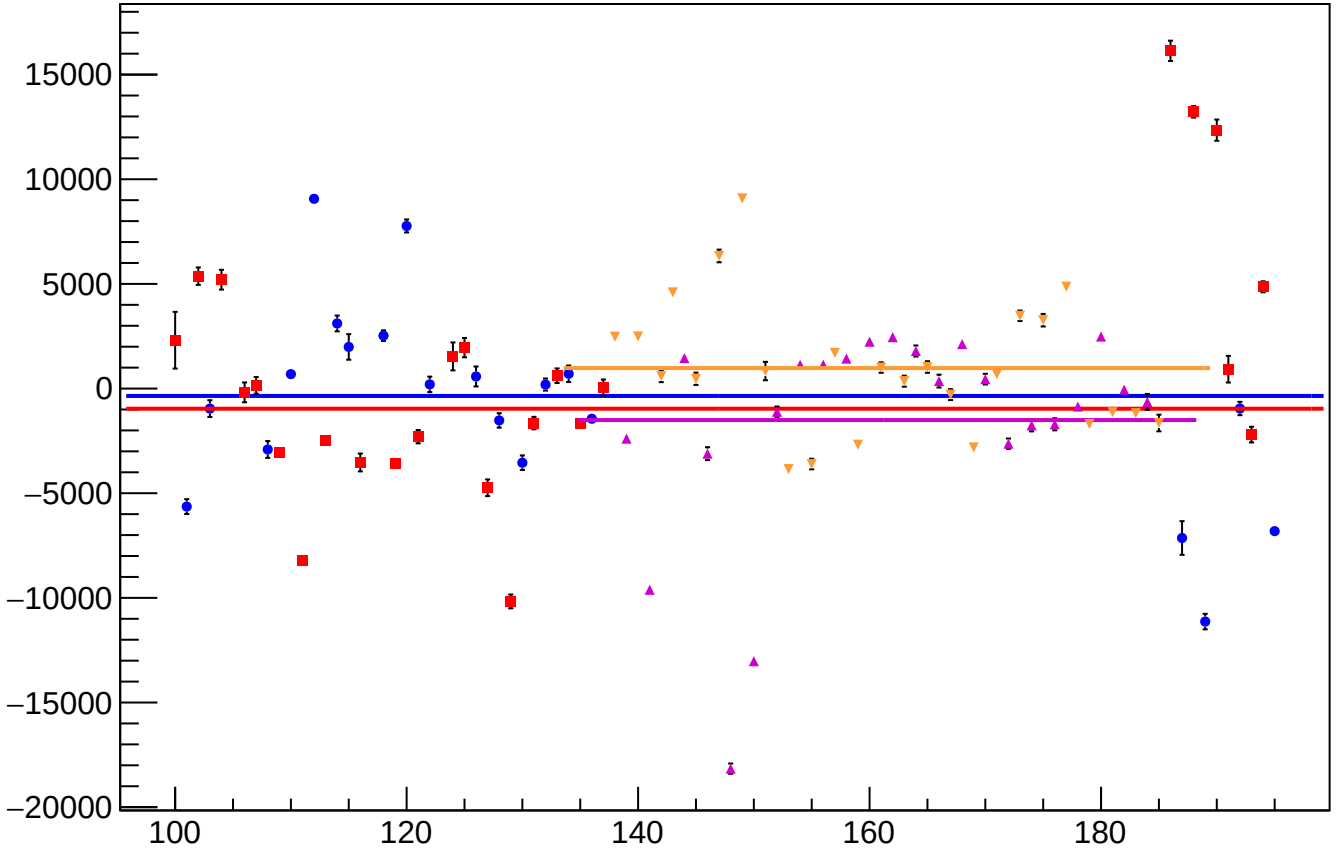
Right: 177.598+/-0.028 χ^2/NDF: 1916479.2/44

In: 182.525+/-0.025 χ^2/NDF:1569907.3/42

Out: 188.324+/-0.025 χ^2/NDF:2090479.7/49

All: 185.453+/-0.018 χ^2/NDF: 3687394.2/92

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: -353.107+/-67.770 χ^2/NDF: 5043.3/19

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -962.287+/-62.657 χ^2/NDF: 8316.4/24

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

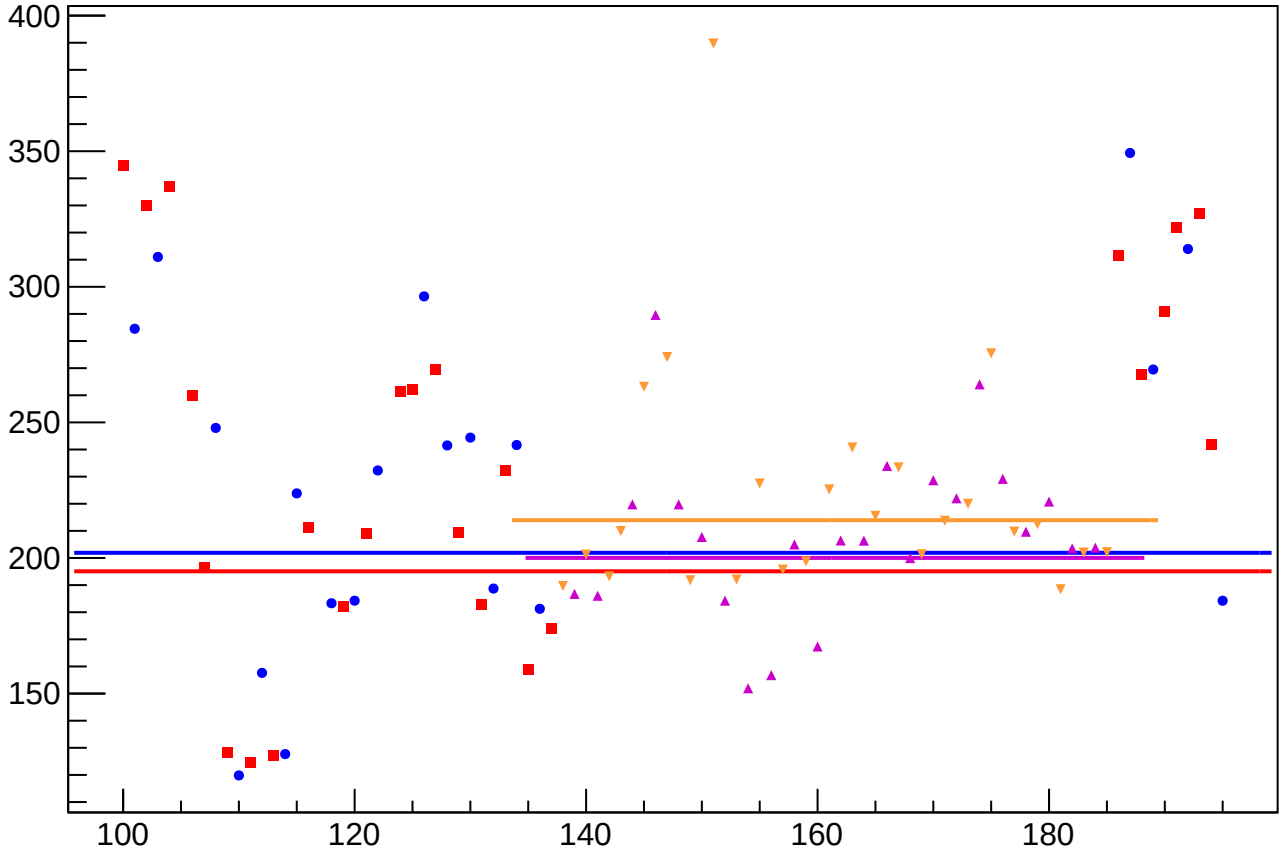
Right: -681.544+/-46.007 χ^2/NDF: 13403.3/44

In: -1119.709+/-39.198 χ^2/NDF:16716.2/42

Out: 230.656+/-38.893 χ^2/NDF:13229.0/49

All: -439.254+/-27.609 χ^2/NDF: 30543.3/92

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 201.914+/-0.048 χ^2/NDF: 1383228.2/19

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 195.088+/-0.044 χ^2/NDF: 2211229.9/24

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

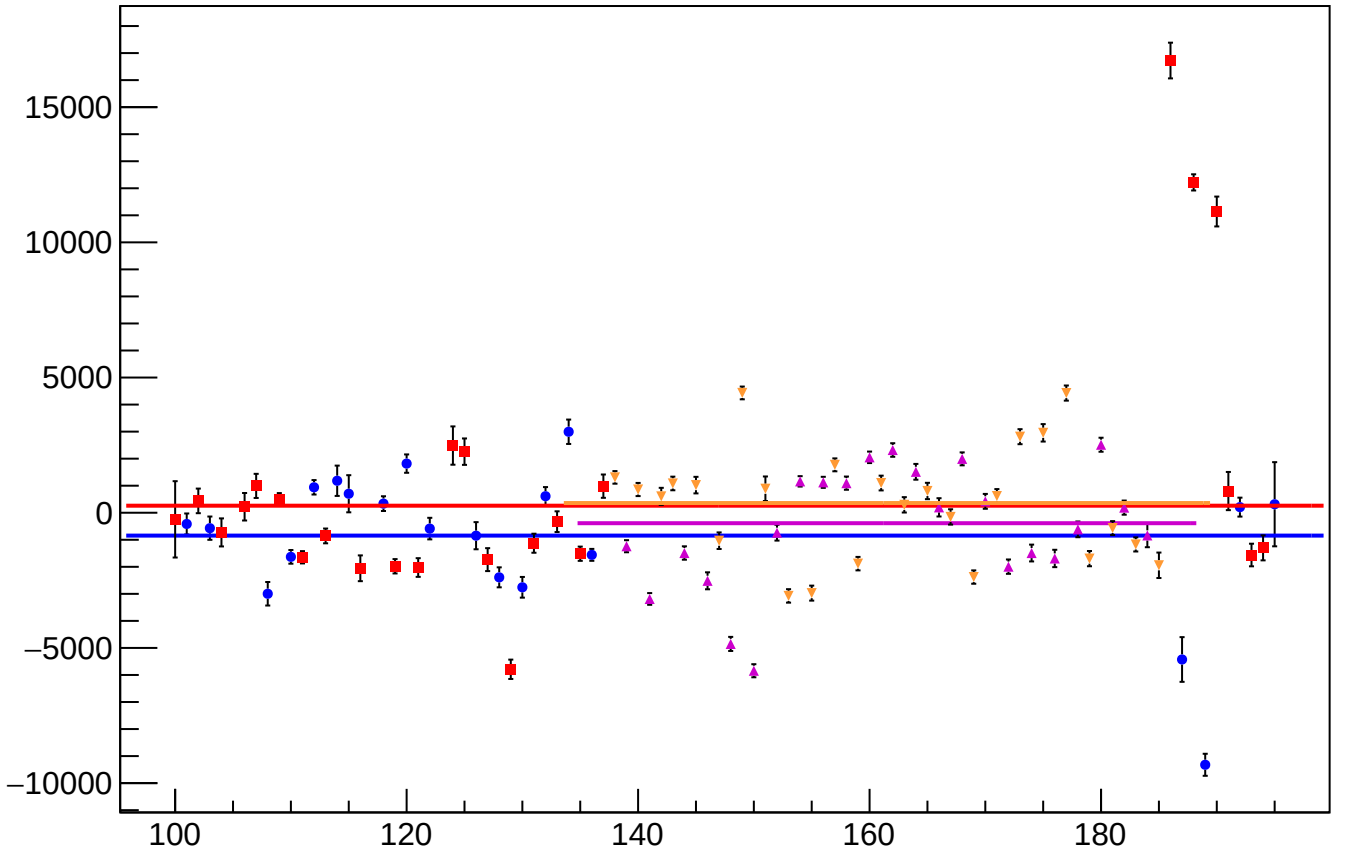
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 198.234+/-0.033 χ^2/NDF: 3605395.6/44

In: 200.661+/-0.028 χ^2/NDF:2169781.4/42

Out: 206.671+/-0.028 χ^2/NDF:3056051.8/49

All: 203.689+/-0.020 χ^2/NDF: 5249527.6/92



Right In: -845.583+/-81.884 χ^2/NDF: 796.8/19

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 260.439+/-74.179 χ^2/NDF: 3268.1/24

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

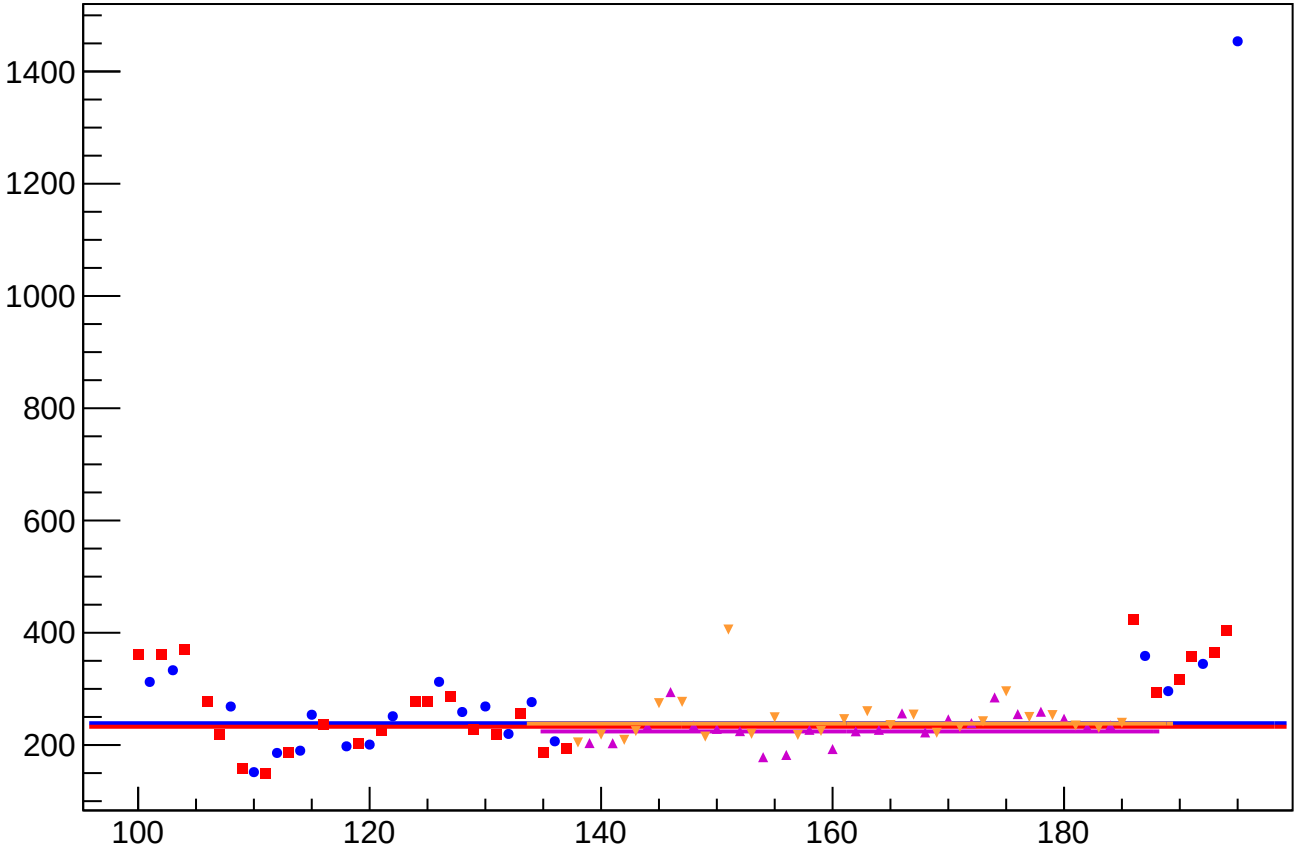
Right: -238.096+/-54.975 χ^2/NDF: 4165.1/44

In: -524.255+/-44.804 χ^2/NDF:2623.0/42

Out: 323.838+/-44.176 χ^2/NDF:4688.1/49

All: -94.222+/-31.457 χ^2/NDF: 7492.7/92

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 238.838+/-0.058 χ^2/NDF: 2189011.3/19

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 232.557+/-0.052 χ^2/NDF: 1902032.4/24

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

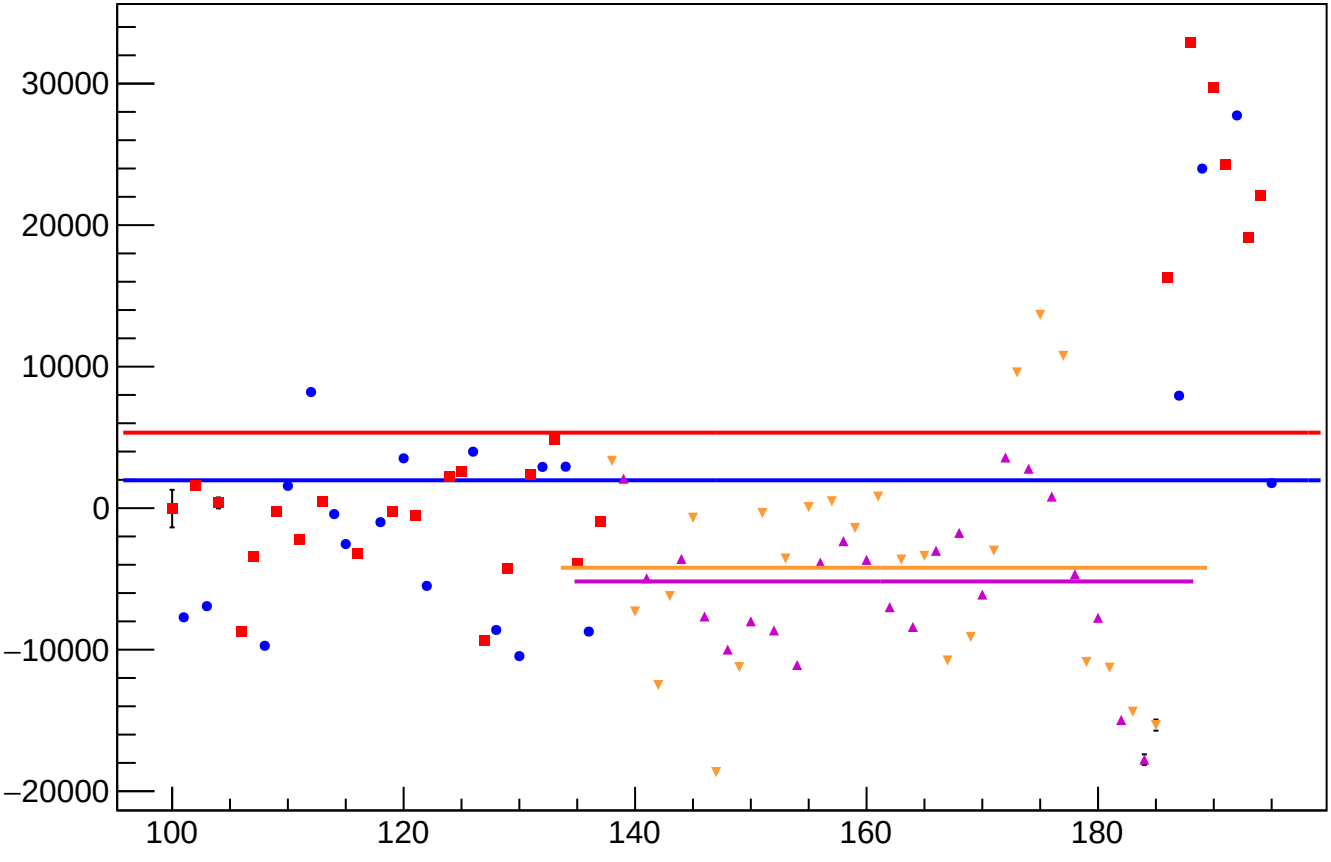
Right: 235.388+/-0.039 χ^2/NDF: 4097508.8/44

In: 228.591+/-0.032 χ^2/NDF:2796950.3/42

Out: 236.198+/-0.031 χ^2/NDF:2477436.0/49

All: 232.448+/-0.022 χ^2/NDF: 5303619.2/92

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 1968.852+/-41.418 χ^2/NDF: 68454.8/19

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5335.781+/-38.499 χ^2/NDF: 101168.4/24

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

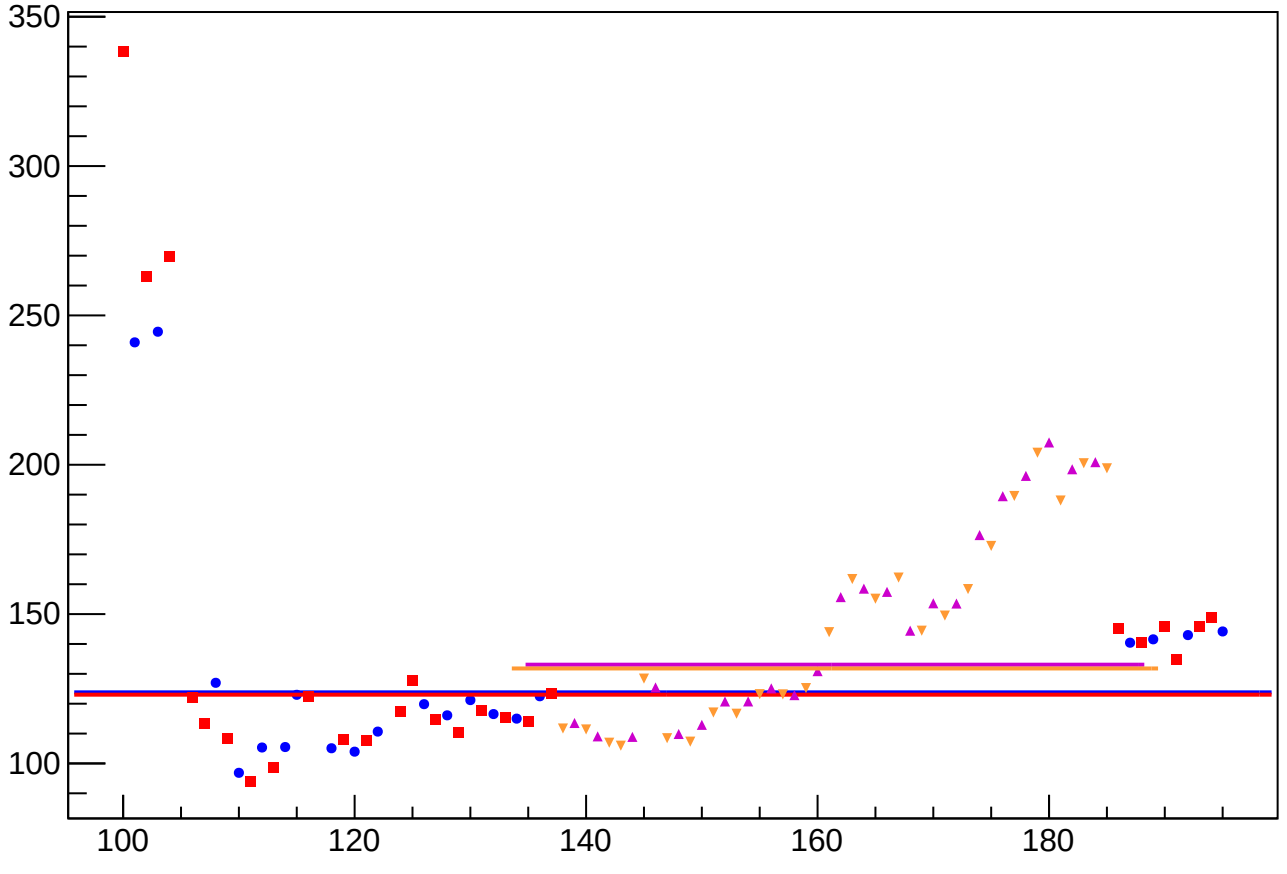
Right: 3775.125+/-28.198 χ^2/NDF: 173168.4/44

In: -2509.865+/-25.307 χ^2/NDF:105655.7/42

Out: -480.911+/-24.064 χ^2/NDF:195435.0/49

All: -1444.325+/-17.439 χ^2/NDF: 304466.3/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 123.799+/-0.029 χ^2/NDF: 850316.3/19

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 123.025+/-0.027 χ^2/NDF: 1079246.9/24

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

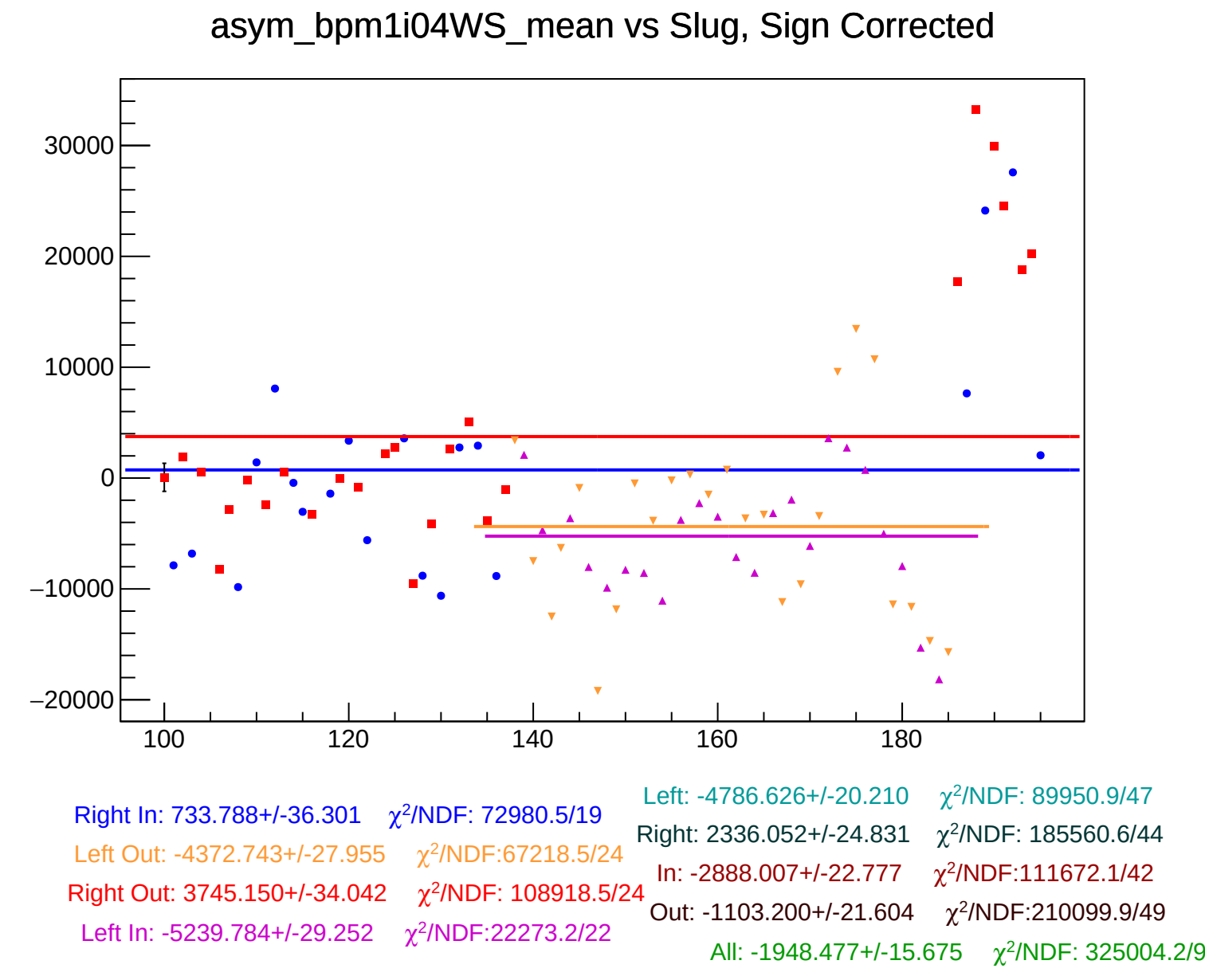
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 123.383+/-0.020 χ^2/NDF: 1929937.6/44

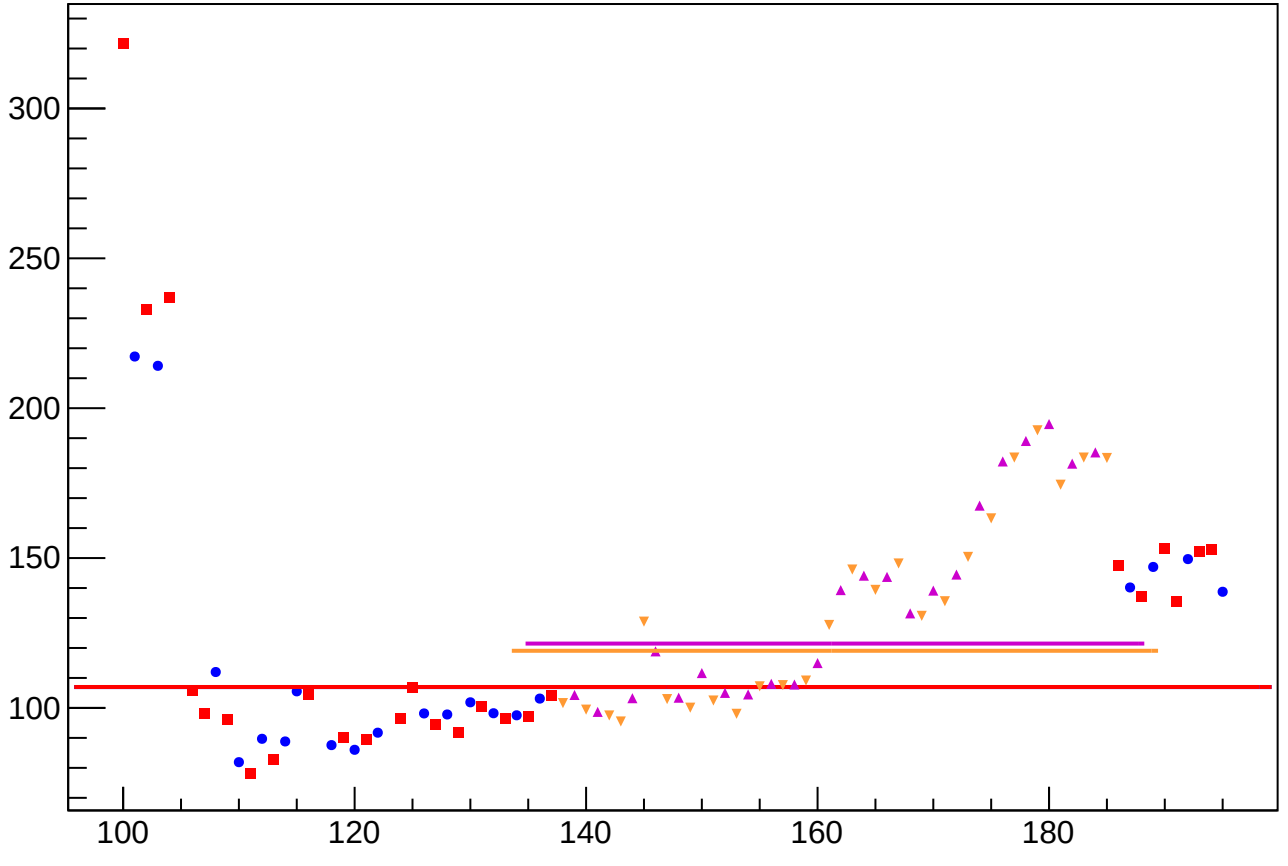
In: 129.603+/-0.018 χ^2/NDF:2331252.2/42

Out: 128.370+/-0.017 χ^2/NDF:2686862.2/49

All: 128.956+/-0.012 χ^2/NDF: 5020607.3/92


asym_bpm1i04WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 733.788+/-36.301 χ²/NDF: 72980.5/19
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: 3745.150+/-34.042 χ²/NDF: 108918.5/24
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4786.626+/-20.210 χ²/NDF: 89950.9/47
Right: 2336.052+/-24.831 χ²/NDF: 185560.6/44
In: -2888.007+/-22.777 χ²/NDF:111672.1/42
Out: -1103.200+/-21.604 χ²/NDF:210099.9/49
All: -1948.477+/-15.675 χ²/NDF: 325004.2/9

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 106.951+/-0.026 χ^2/NDF: 1222351.9/19

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 106.985+/-0.024 χ^2/NDF: 1589740.2/24

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

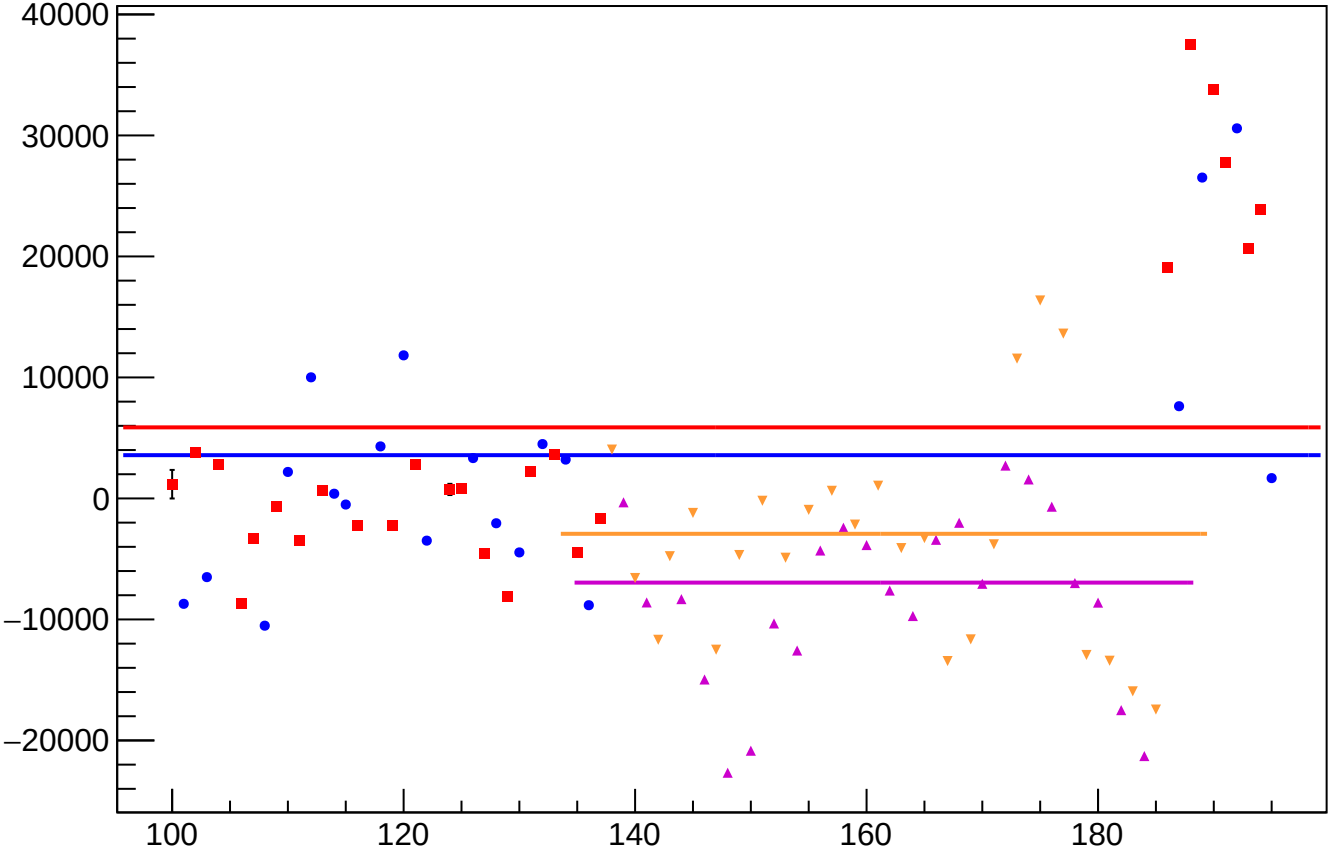
Right: 106.969+/-0.018 χ^2/NDF: 2812093.0/44

In: 115.753+/-0.016 χ^2/NDF:2945647.1/42

Out: 114.199+/-0.015 χ^2/NDF:3495552.2/49

All: 114.935+/-0.011 χ^2/NDF: 6446096.5/92

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 3575.947+/-47.927 χ^2/NDF: 54678.4/19

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5873.111+/-44.997 χ^2/NDF: 90417.0/24

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

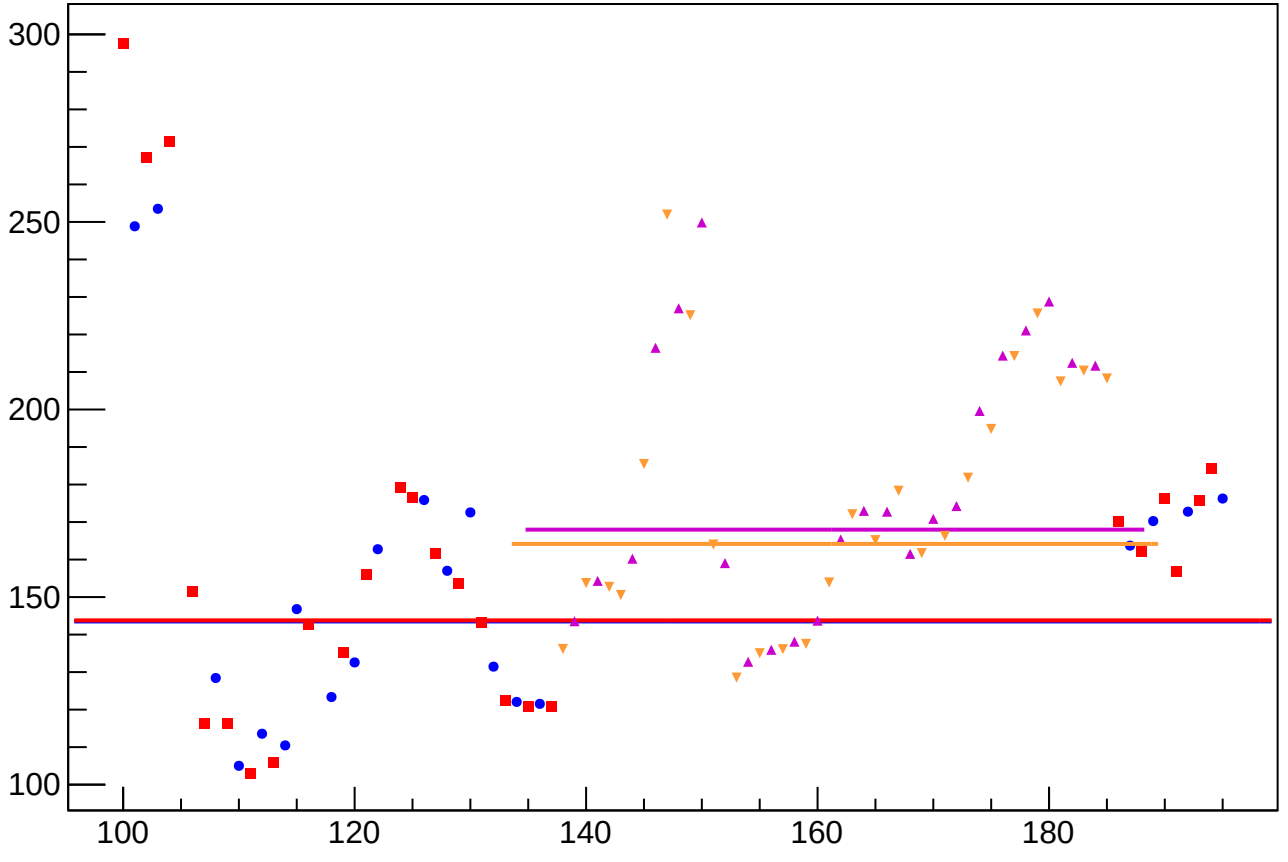
Right: 4796.901+/-32.805 χ^2/NDF: 146316.4/44

In: -2601.237+/-30.820 χ^2/NDF:105342.6/42

Out: 759.503+/-29.114 χ^2/NDF:150685.1/49

All: -825.299+/-21.164 χ^2/NDF: 262311.2/92

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 143.506+/-0.034 χ^2/NDF: 979615.8/19

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 143.787+/-0.032 χ^2/NDF: 1191613.5/24

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

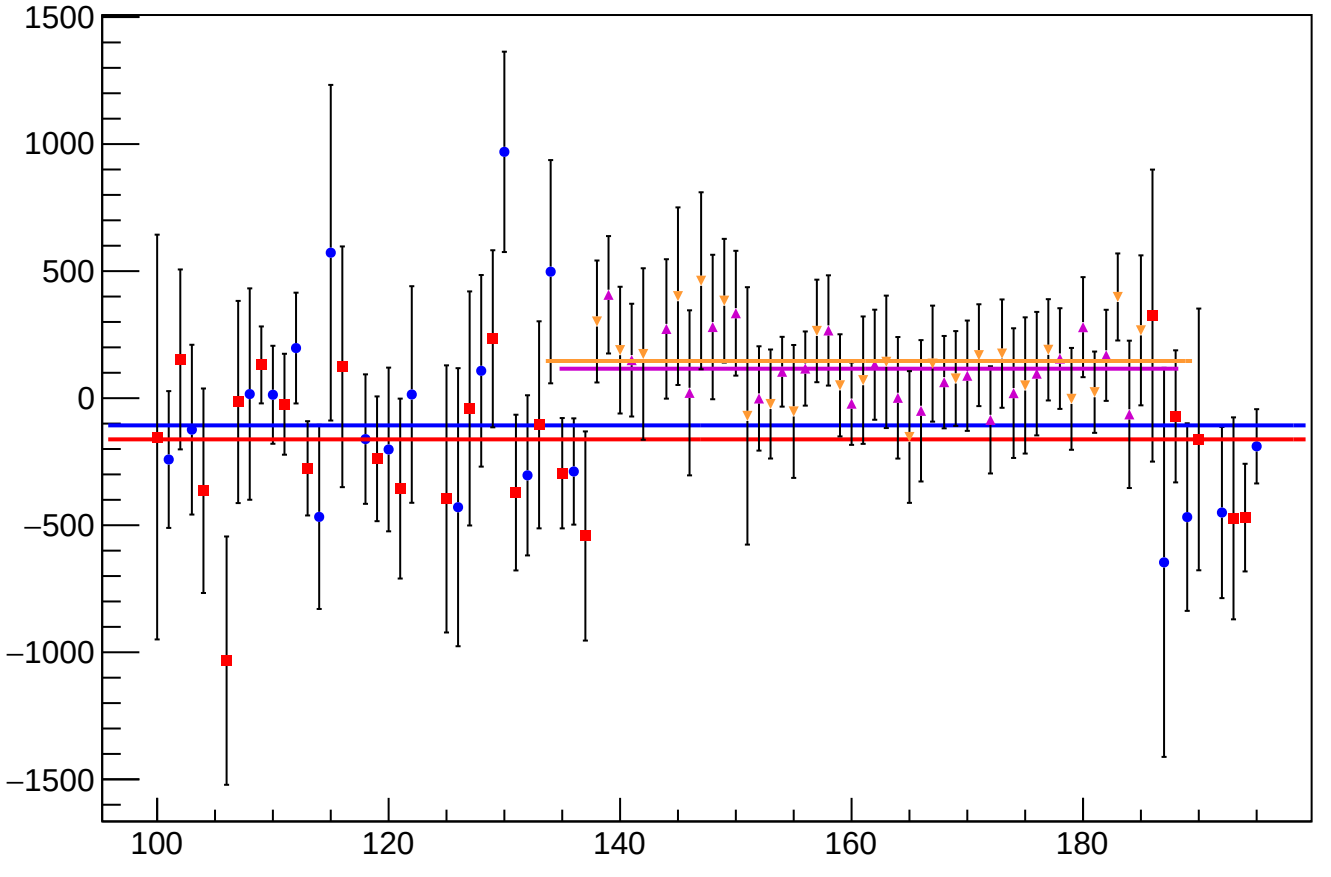
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 143.656+/-0.023 χ^2/NDF: 2171265.9/44

In: 157.856+/-0.022 χ^2/NDF:2508096.2/42

Out: 155.638+/-0.021 χ^2/NDF:2654649.2/49

All: 156.684+/-0.015 χ^2/NDF: 5168221.2/92



Right In: -107.022+/-65.022 χ^2/NDF: 18.9/19

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -162.066+/-61.561 χ^2/NDF: 16.6/22

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

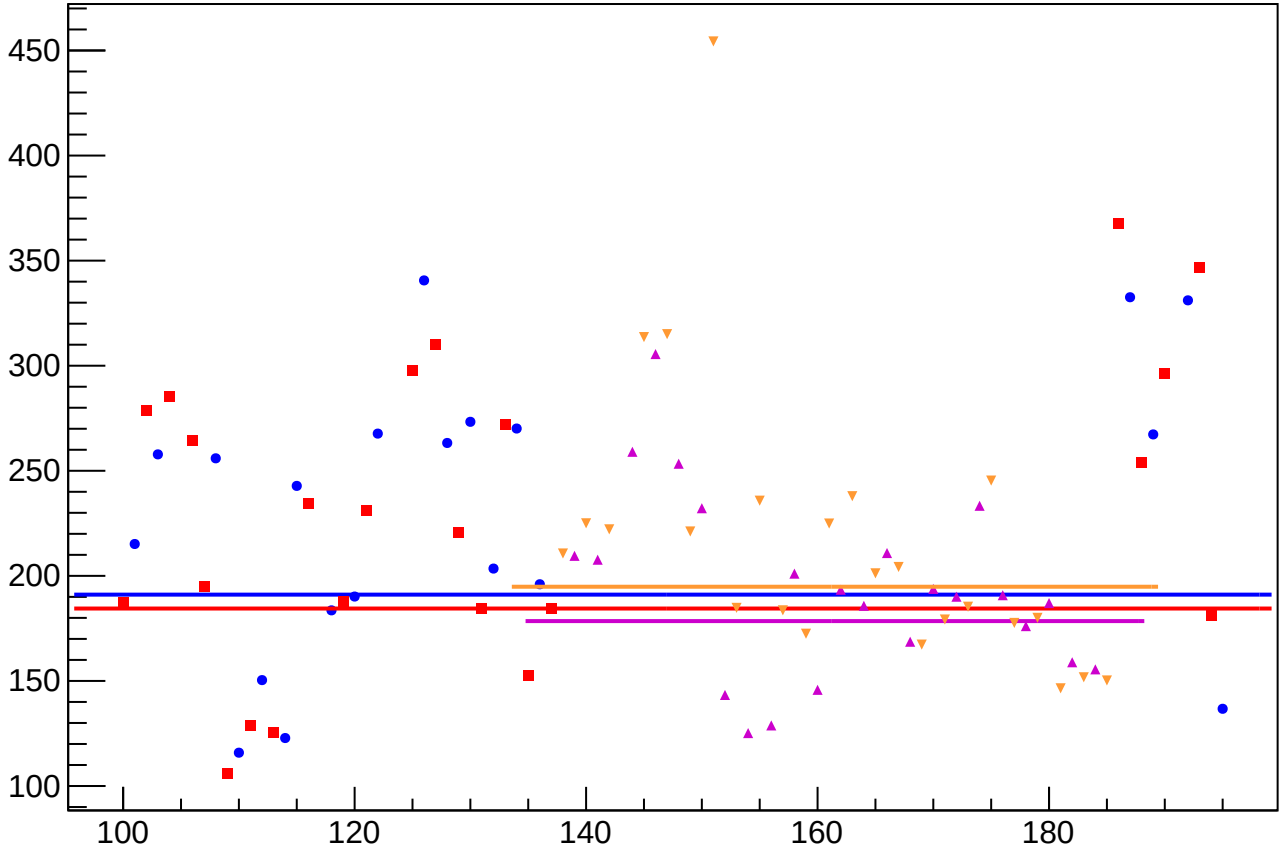
Right: -136.048+/-44.704 χ^2/NDF: 35.8/42

In: 46.798+/-36.215 χ^2/NDF:34.6/42

Out: 32.996+/-37.321 χ^2/NDF:42.4/46

All: 40.104+/-25.990 χ^2/NDF: 77.1/89

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.067+/-0.046 χ^2/NDF: 1822371.3/19

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 184.454+/-0.044 χ^2/NDF: 2449173.6/22

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

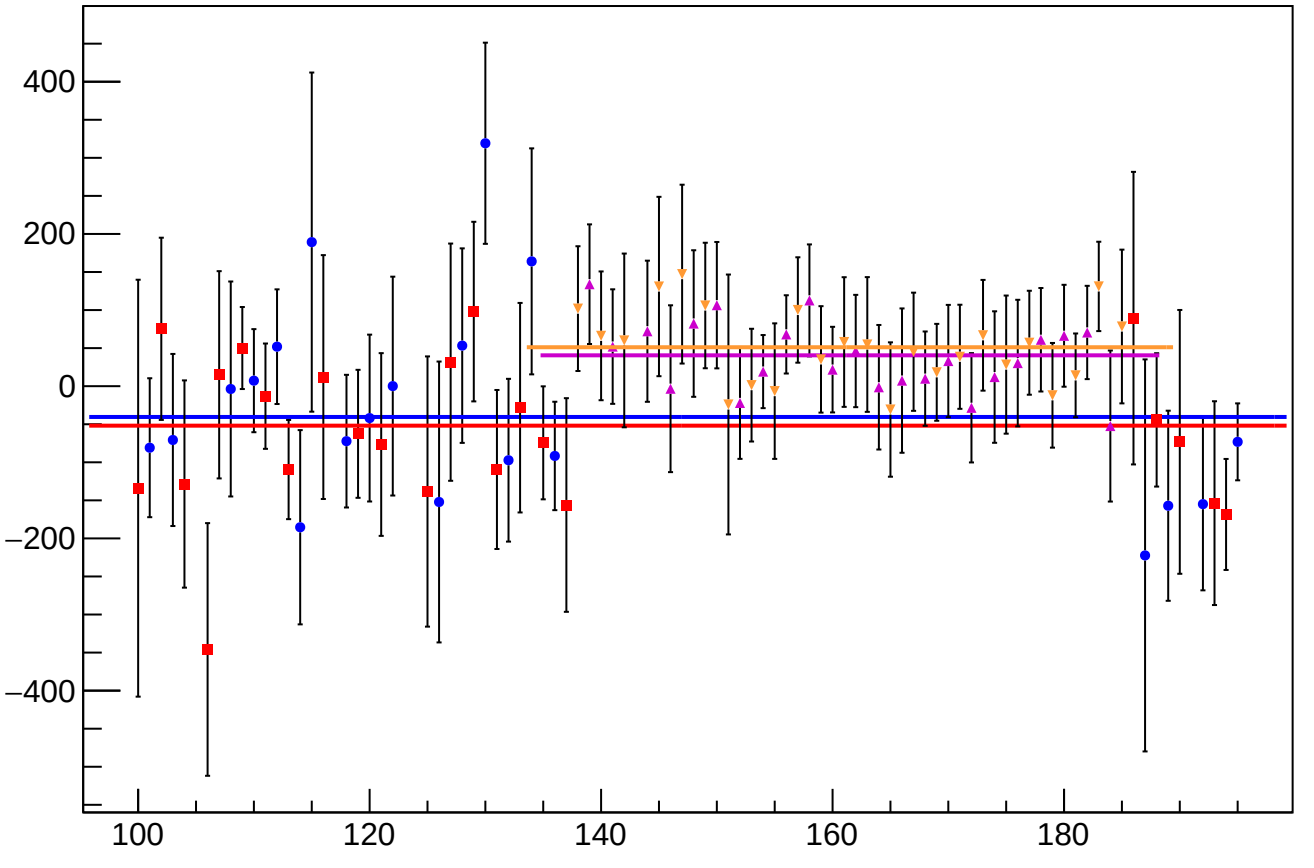
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 187.580+/-0.032 χ^2/NDF: 4282454.1/42

In: 182.382+/-0.026 χ^2/NDF:3550375.2/42

Out: 191.015+/-0.026 χ^2/NDF:4237571.5/46

All: 186.569+/-0.018 χ^2/NDF: 7843074.7/89



Right In: -40.442+/-22.282 χ^2/NDF: 18.7/19

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -51.870+/-21.214 χ^2/NDF: 16.6/22

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

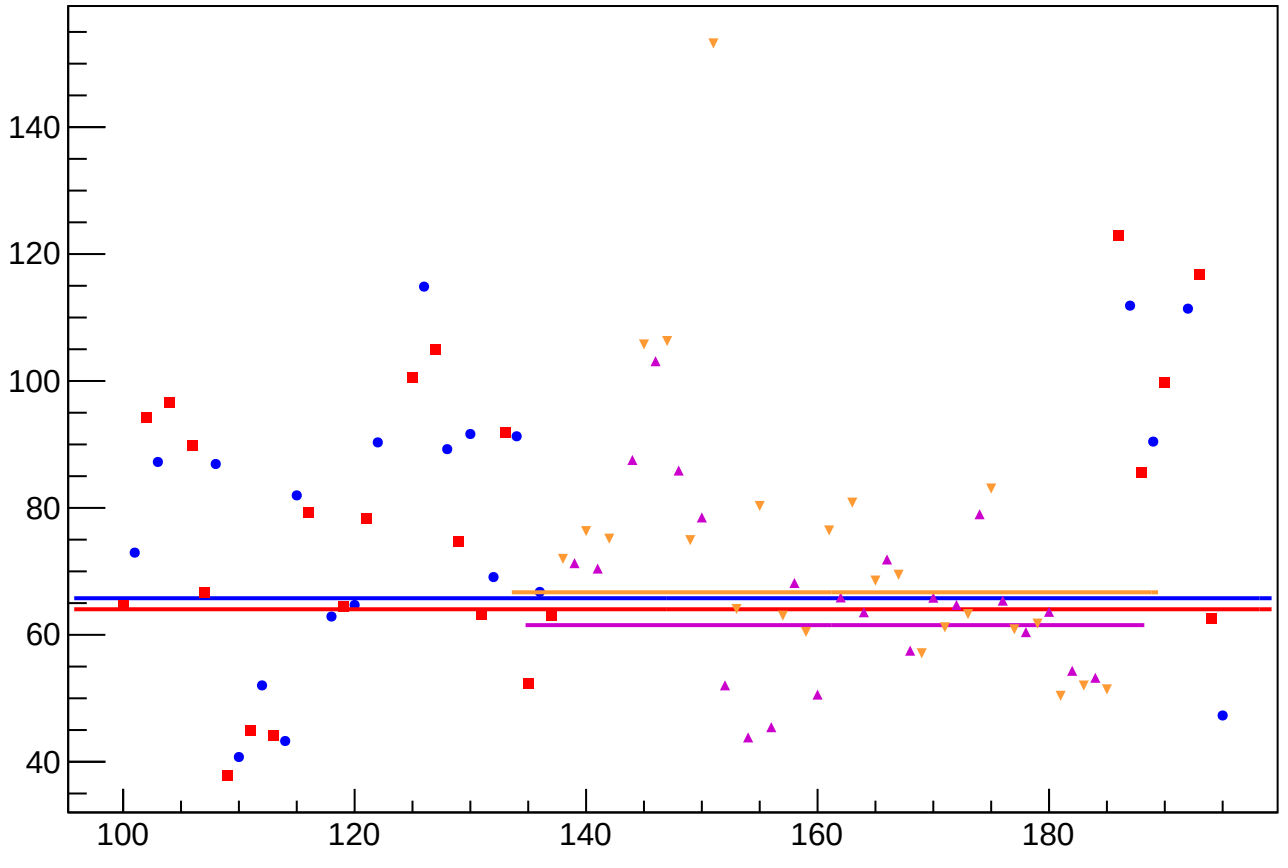
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -46.437+/-15.364 χ^2/NDF: 35.5/42

In: 15.337+/-12.430 χ^2/NDF:35.7/42

Out: 13.693+/-12.793 χ^2/NDF:39.8/46

All: 14.539+/-8.915 χ^2/NDF: 75.4/89



Right In: 65.769+/-0.016 χ^2/NDF: 1683693.6/19

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 64.030+/-0.015 χ^2/NDF: 2226716.1/22

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

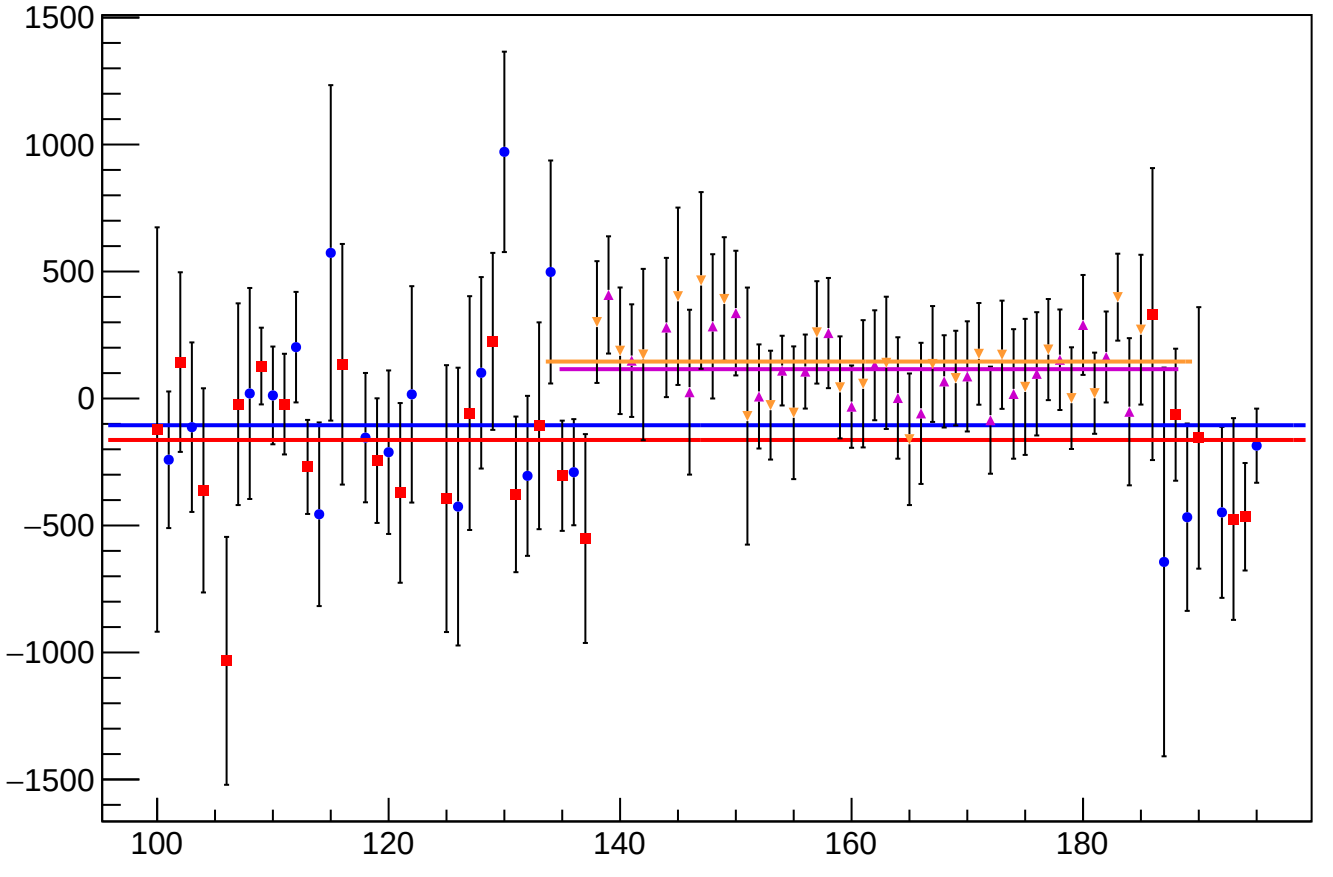
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 64.857+/-0.011 χ^2/NDF: 3916803.2/42

In: 62.848+/-0.009 χ^2/NDF:3223427.0/42

Out: 65.731+/-0.009 χ^2/NDF:3923258.6/46

All: 64.248+/-0.006 χ^2/NDF: 7198908.3/89



Right In: -105.242+/-64.952 χ^2/NDF: 18.9/19

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -163.279+/-61.488 χ^2/NDF: 16.6/22

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

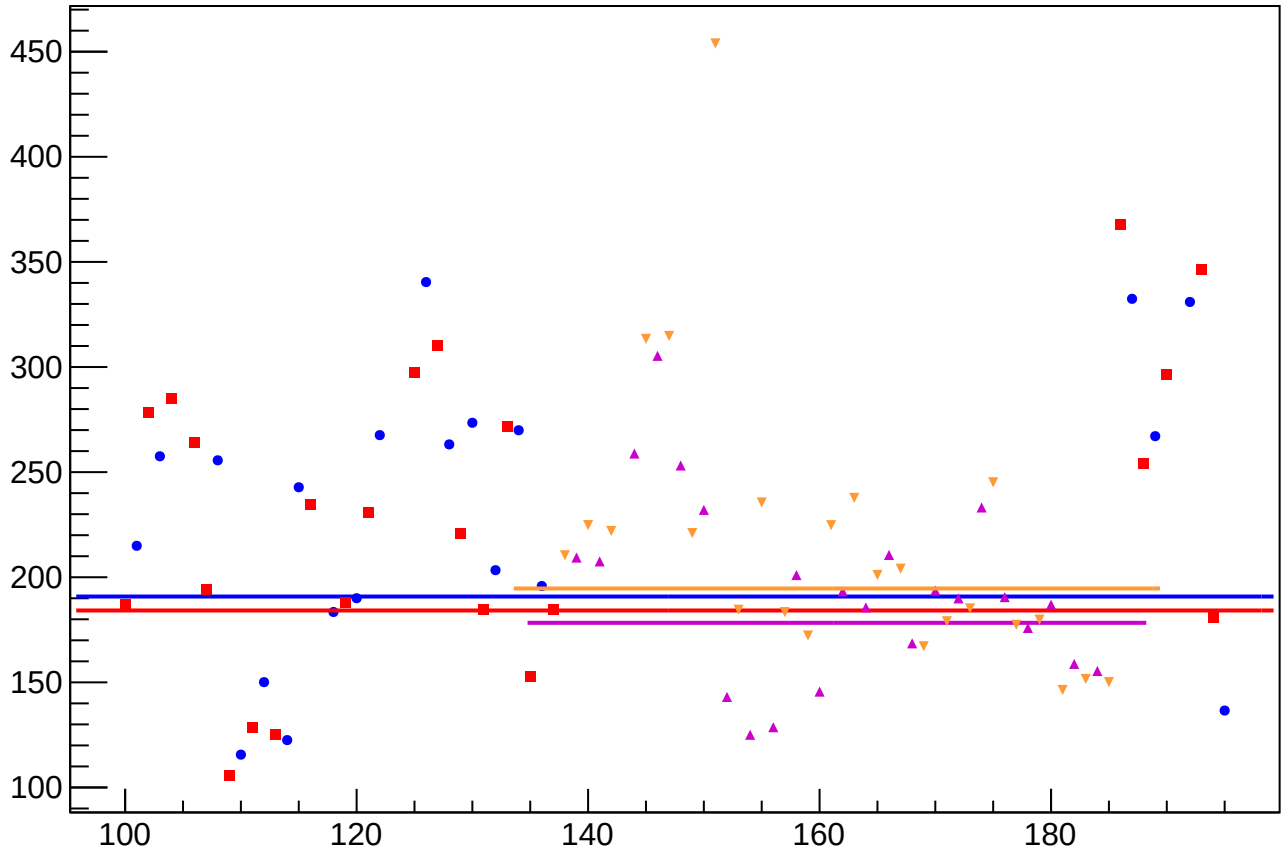
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -135.849+/-44.653 χ^2/NDF: 35.9/42

In: 46.991+/-36.182 χ^2/NDF:34.6/42

Out: 31.949+/-37.285 χ^2/NDF:42.7/46

All: 39.696+/-25.966 χ^2/NDF: 77.4/89



Right In: 190.831+/-0.046 χ^2/NDF: 1827774.6/19

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 184.193+/-0.043 χ^2/NDF: 2457479.7/22

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

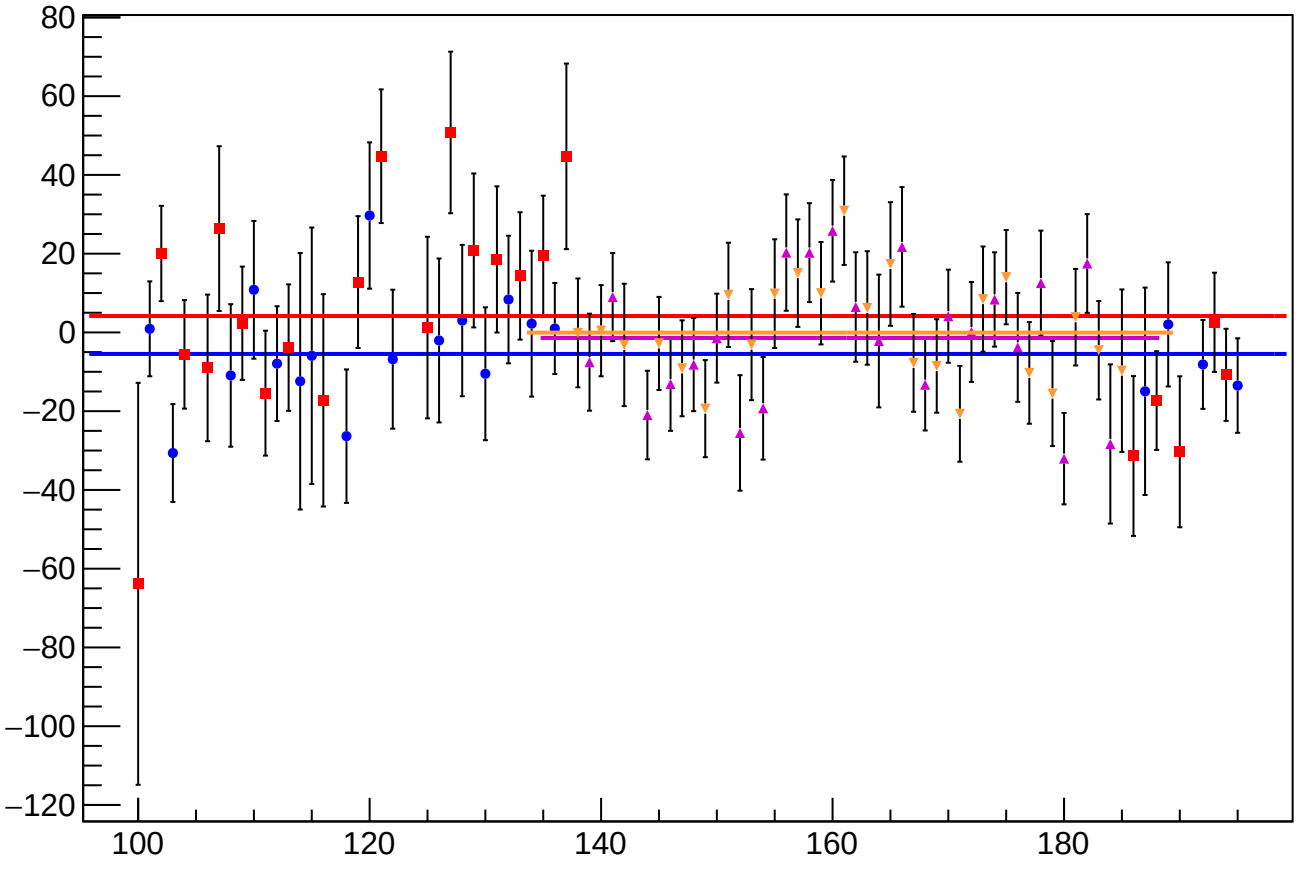
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 187.331+/-0.032 χ^2/NDF: 4296270.4/42

In: 182.201+/-0.026 χ^2/NDF:3557308.7/42

Out: 190.811+/-0.026 χ^2/NDF:4247236.2/46

All: 186.377+/-0.018 χ^2/NDF: 7859471.5/89



Right In: -5.467+/-3.561 χ^2/NDF: 12.9/19

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 4.165+/-3.459 χ^2/NDF: 35.8/22

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

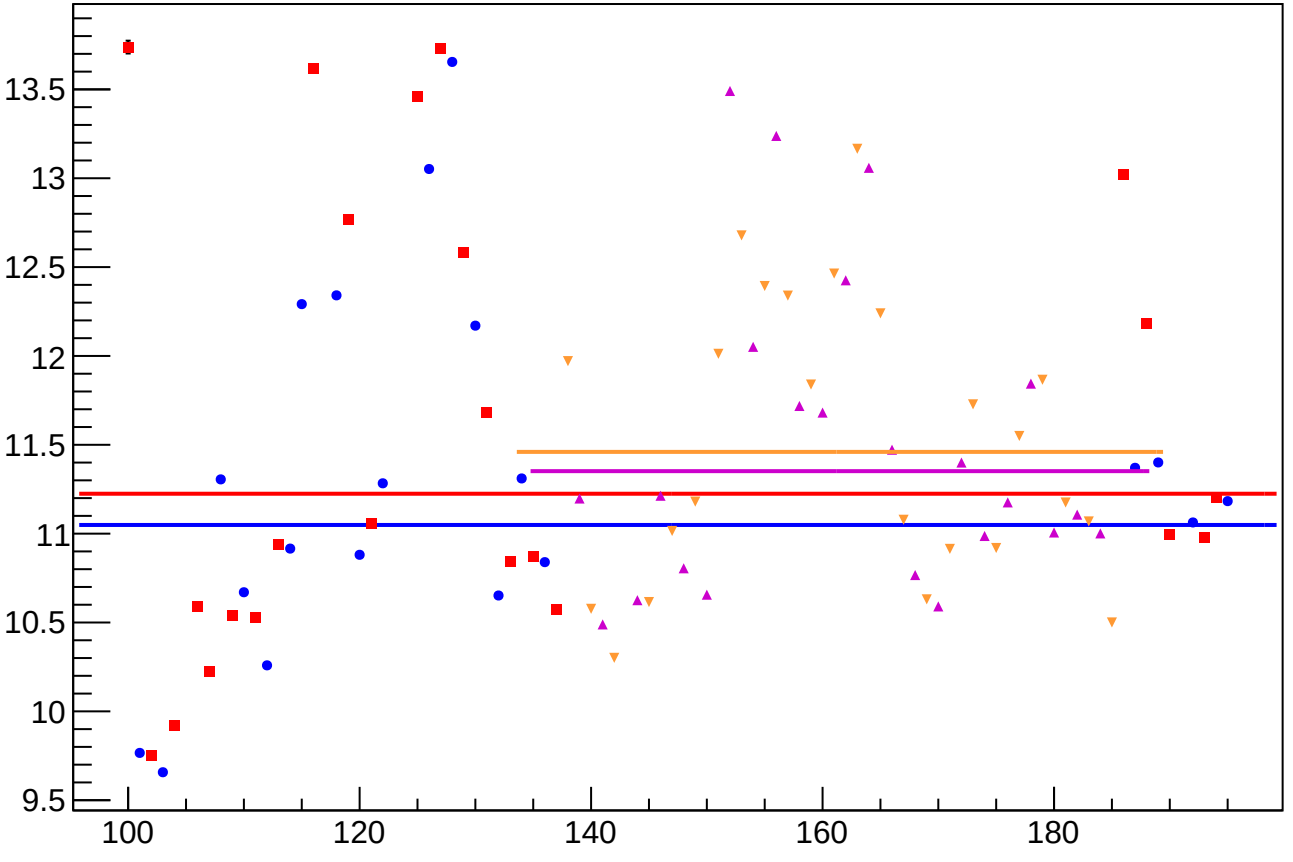
Right: -0.511+/-2.481 χ^2/NDF: 52.4/42

In: -2.871+/-2.138 χ^2/NDF:50.1/42

Out: 1.537+/-2.121 χ^2/NDF:57.2/46

All: -0.649+/-1.506 χ^2/NDF: 109.4/89

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 11.049+/-0.003 χ^2/NDF: 137997.7/19

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.225+/-0.002 χ^2/NDF: 192936.0/22

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

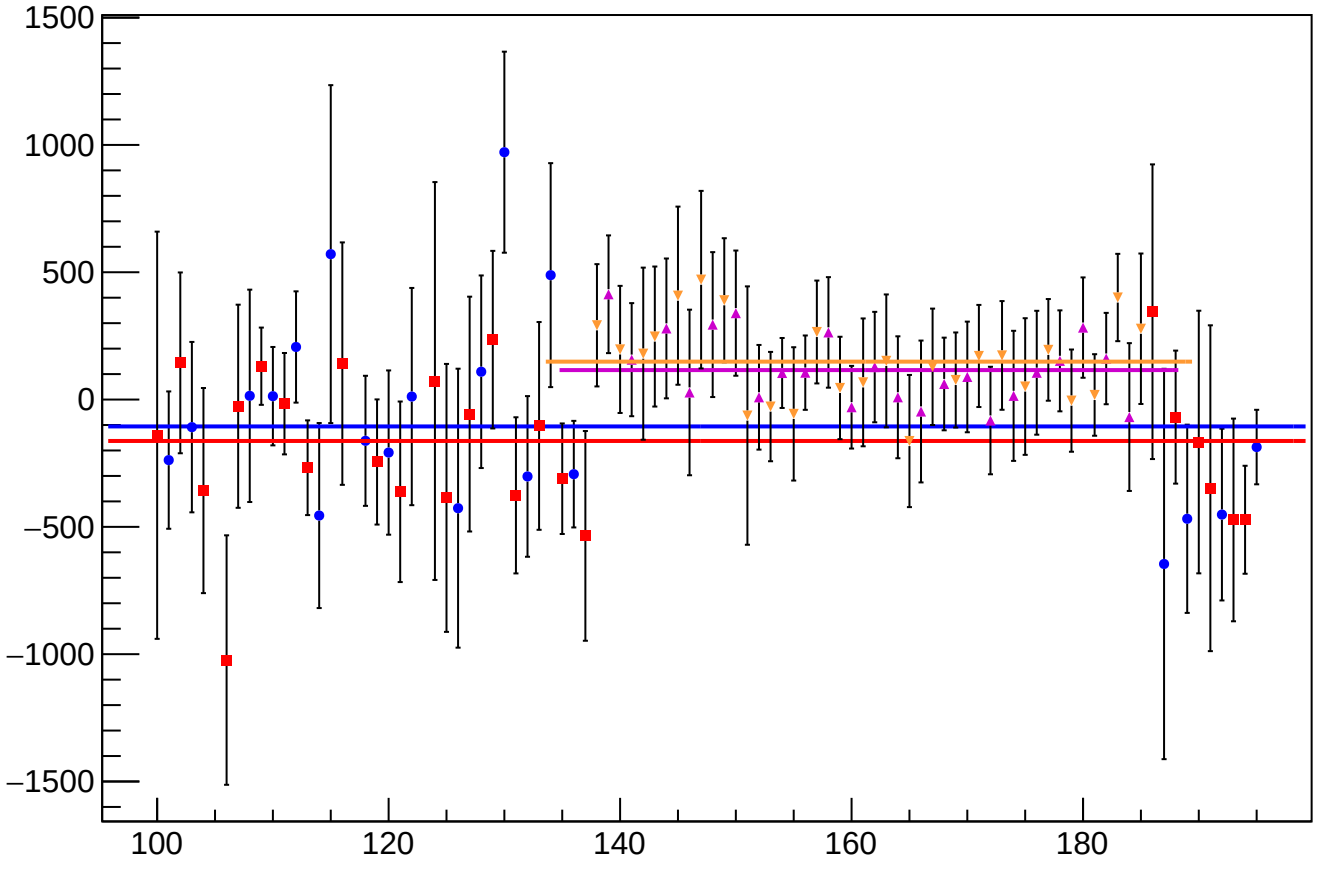
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.139+/-0.002 χ^2/NDF: 333440.3/42

In: 11.243+/-0.002 χ^2/NDF:317810.9/42

Out: 11.372+/-0.001 χ^2/NDF:349149.6/46

All: 11.308+/-0.001 χ^2/NDF: 670632.7/89



Right In: -105.561+/-65.129 χ^2/NDF: 18.9/19

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -162.655+/-61.204 χ^2/NDF: 16.8/24

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

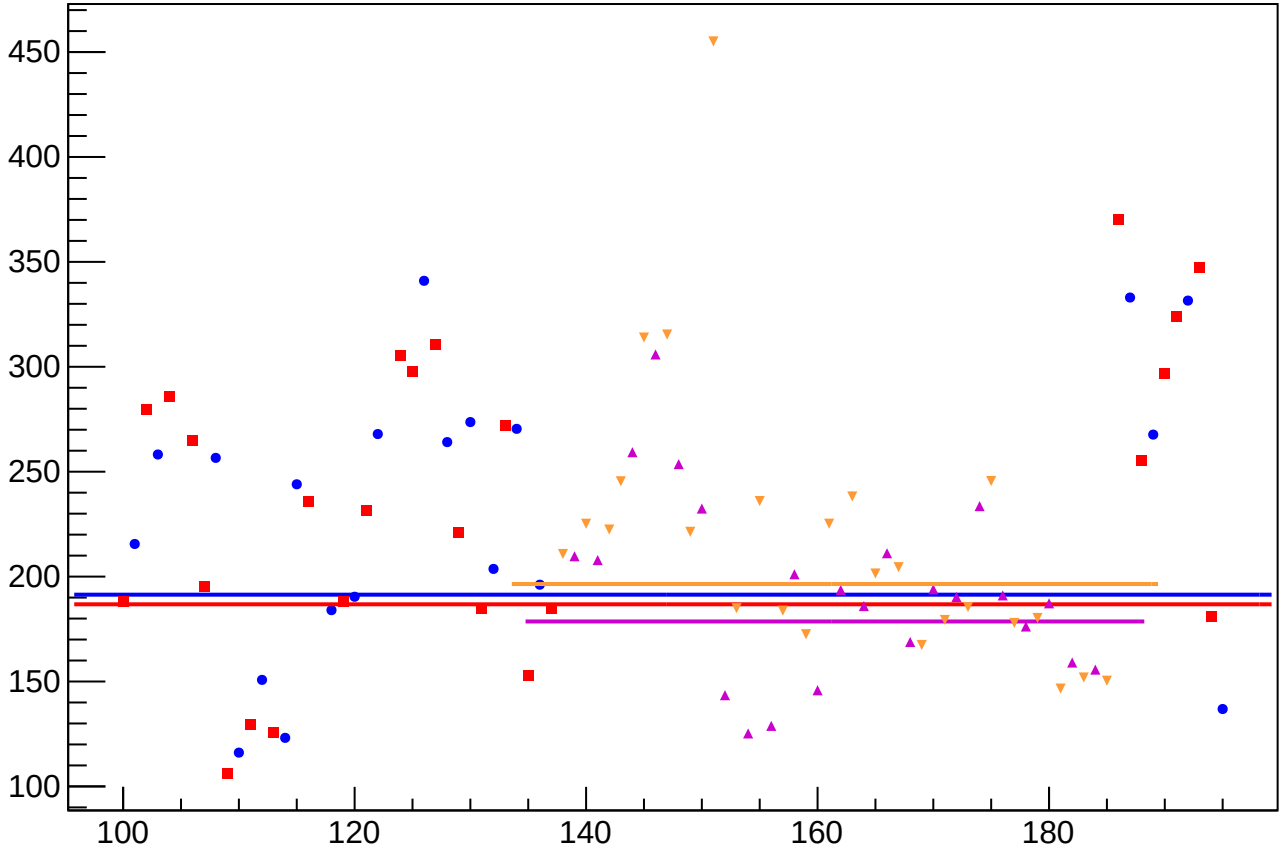
Right: -135.880+/-44.601 χ^2/NDF: 36.0/44

In: 47.146+/-36.254 χ^2/NDF:34.6/42

Out: 35.484+/-36.928 χ^2/NDF:43.7/49

All: 41.422+/-25.871 χ^2/NDF: 78.4/92

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 191.385+/-0.046 χ^2/NDF: 1821625.2/19

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 186.796+/-0.043 χ^2/NDF: 2592538.5/24

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

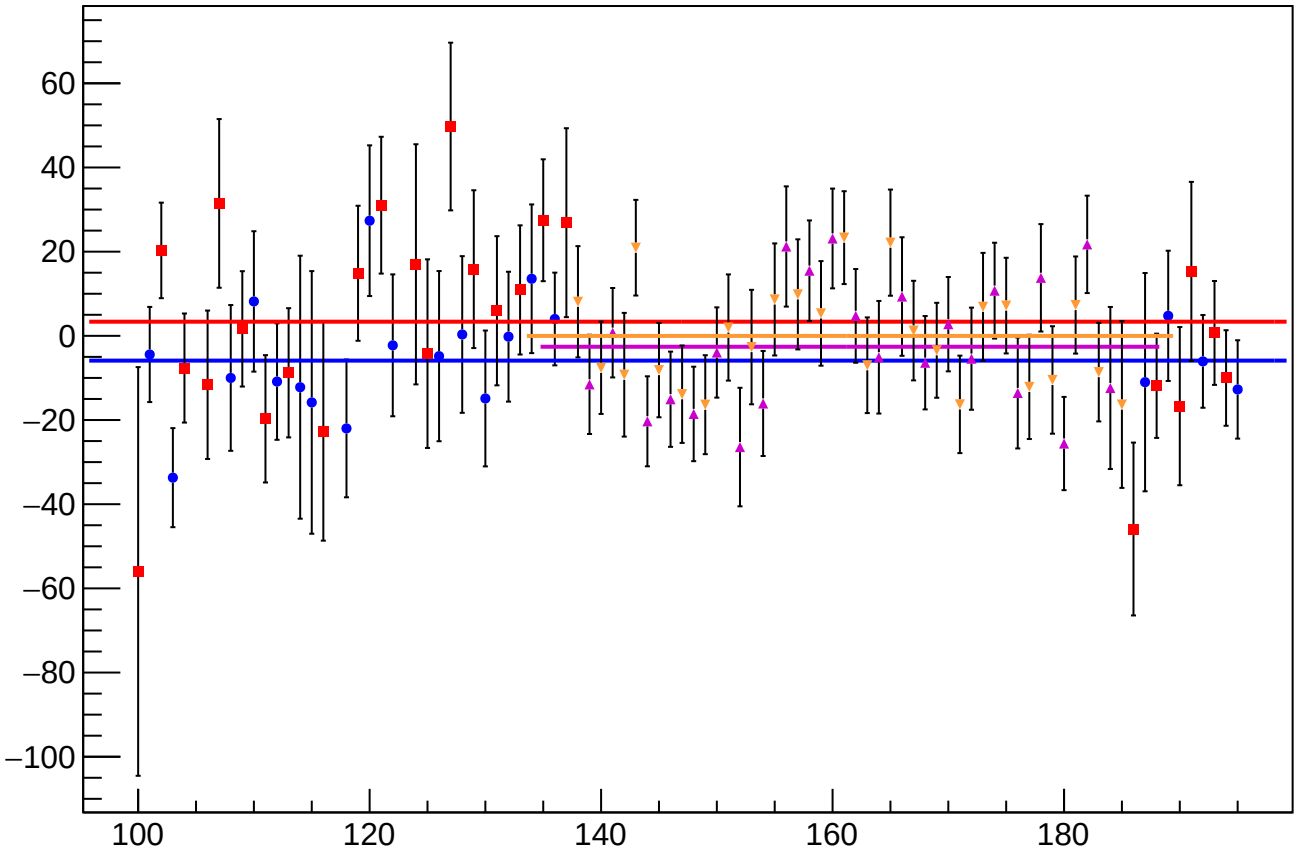
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 188.948+/-0.032 χ^2/NDF: 4419437.3/44

In: 182.571+/-0.026 χ^2/NDF:3553559.4/42

Out: 192.938+/-0.026 χ^2/NDF:4442959.6/49

All: 187.659+/-0.018 χ^2/NDF: 8076781.5/92



Right In: -5.887+/-3.416 χ^2/NDF: 14.5/19

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.362+/-3.262 χ^2/NDF: 35.0/24

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

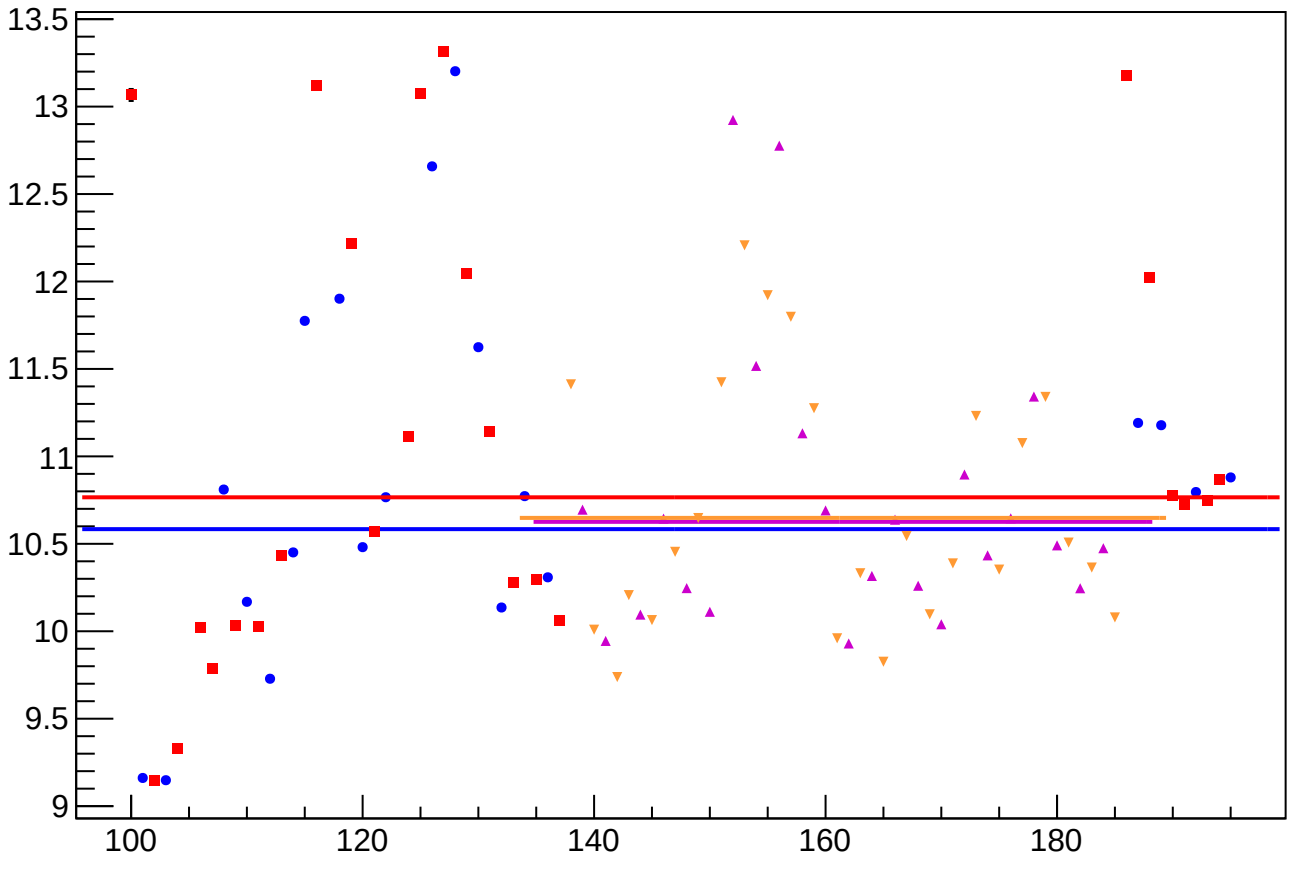
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -1.049+/-2.359 χ^2/NDF: 53.4/44

In: -3.744+/-2.021 χ^2/NDF:49.9/42

Out: 1.198+/-1.956 χ^2/NDF:59.4/49

All: -1.193+/-1.405 χ^2/NDF: 112.4/92



Right In: 10.584+/-0.002 χ^2/NDF: 165091.9/19

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.766+/-0.002 χ^2/NDF: 241663.7/24

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

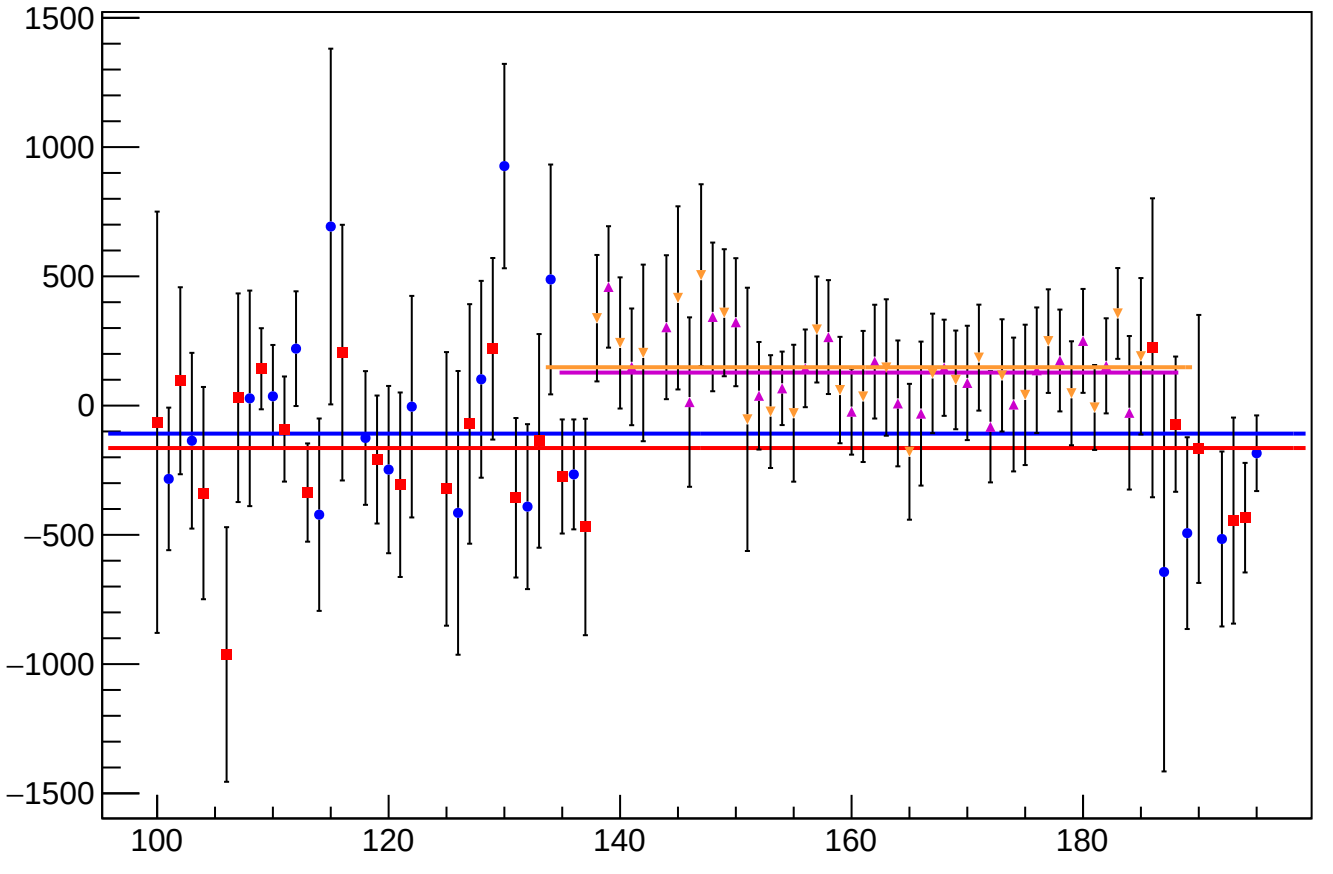
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.679+/-0.002 χ^2/NDF: 409725.1/44

In: 10.611+/-0.001 χ^2/NDF:324829.5/42

Out: 10.691+/-0.001 χ^2/NDF:386865.5/49

All: 10.652+/-0.001 χ^2/NDF: 713293.6/92



Right In: -108.383+/-65.866 χ^2/NDF: 19.4/19

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -164.157+/-62.629 χ^2/NDF: 14.3/22

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

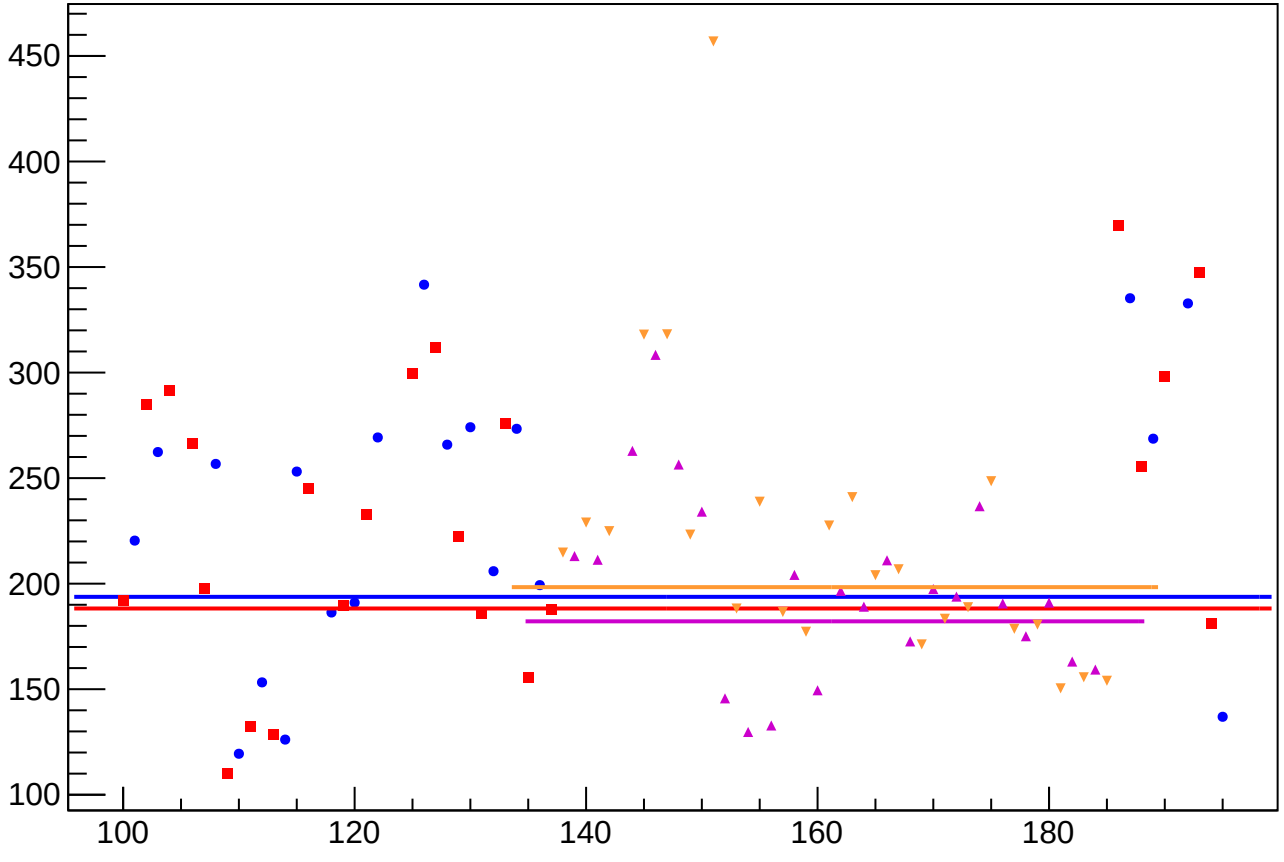
Right: -137.674+/-45.387 χ^2/NDF: 34.1/42

In: 53.886+/-36.831 χ^2/NDF:36.1/42

Out: 33.618+/-37.957 χ^2/NDF:39.9/46

All: 44.057+/-26.433 χ^2/NDF: 76.2/89

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.753+/-0.047 χ^2/NDF: 1793281.5/19

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 188.236+/-0.044 χ^2/NDF: 2352504.3/22

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

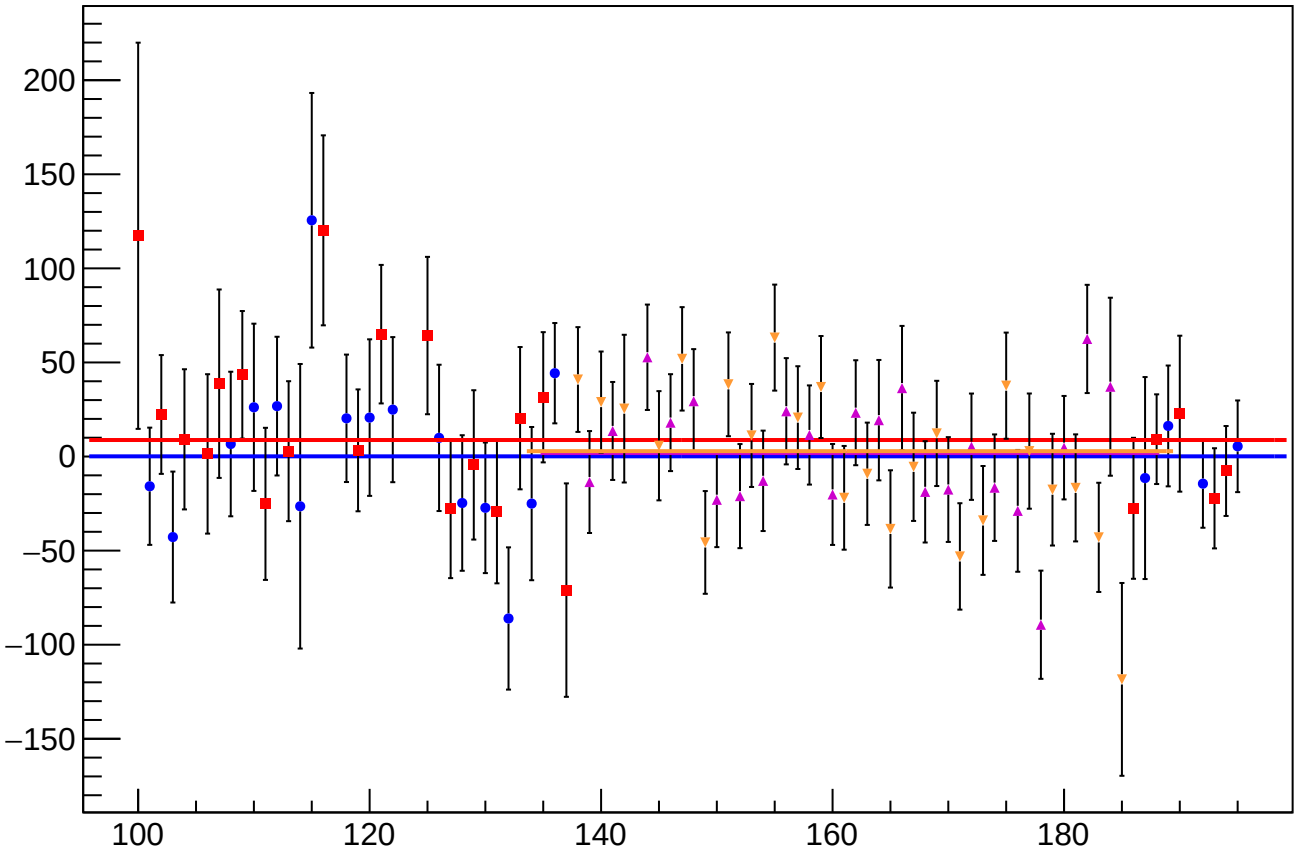
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 190.855+/-0.032 χ^2/NDF: 4153155.3/42

In: 185.778+/-0.026 χ^2/NDF:3420294.7/42

Out: 194.636+/-0.027 χ^2/NDF:4082573.6/46

All: 190.074+/-0.019 χ^2/NDF: 7558962.0/89



Right In: 0.103+/-7.883 χ^2/NDF: 17.5/19

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 8.781+/-7.503 χ^2/NDF: 20.0/22

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

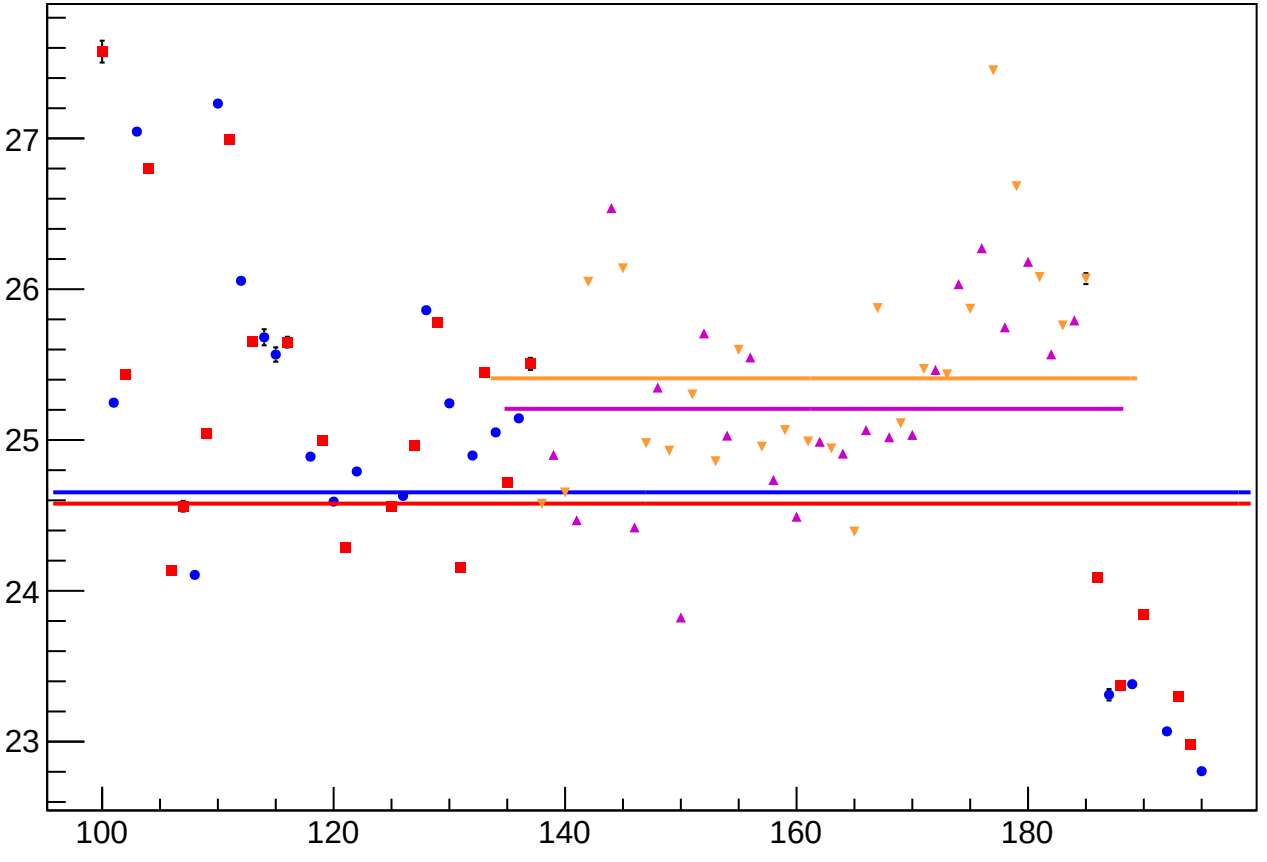
Right: 4.656+/-5.435 χ^2/NDF: 38.1/42

In: 1.223+/-4.720 χ^2/NDF:45.6/42

Out: 5.118+/-4.640 χ^2/NDF:57.2/46

All: 3.204+/-3.309 χ^2/NDF: 103.2/89

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 24.653+/-0.006 χ^2/NDF: 49927.3/19

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.578+/-0.005 χ^2/NDF: 44621.5/22

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

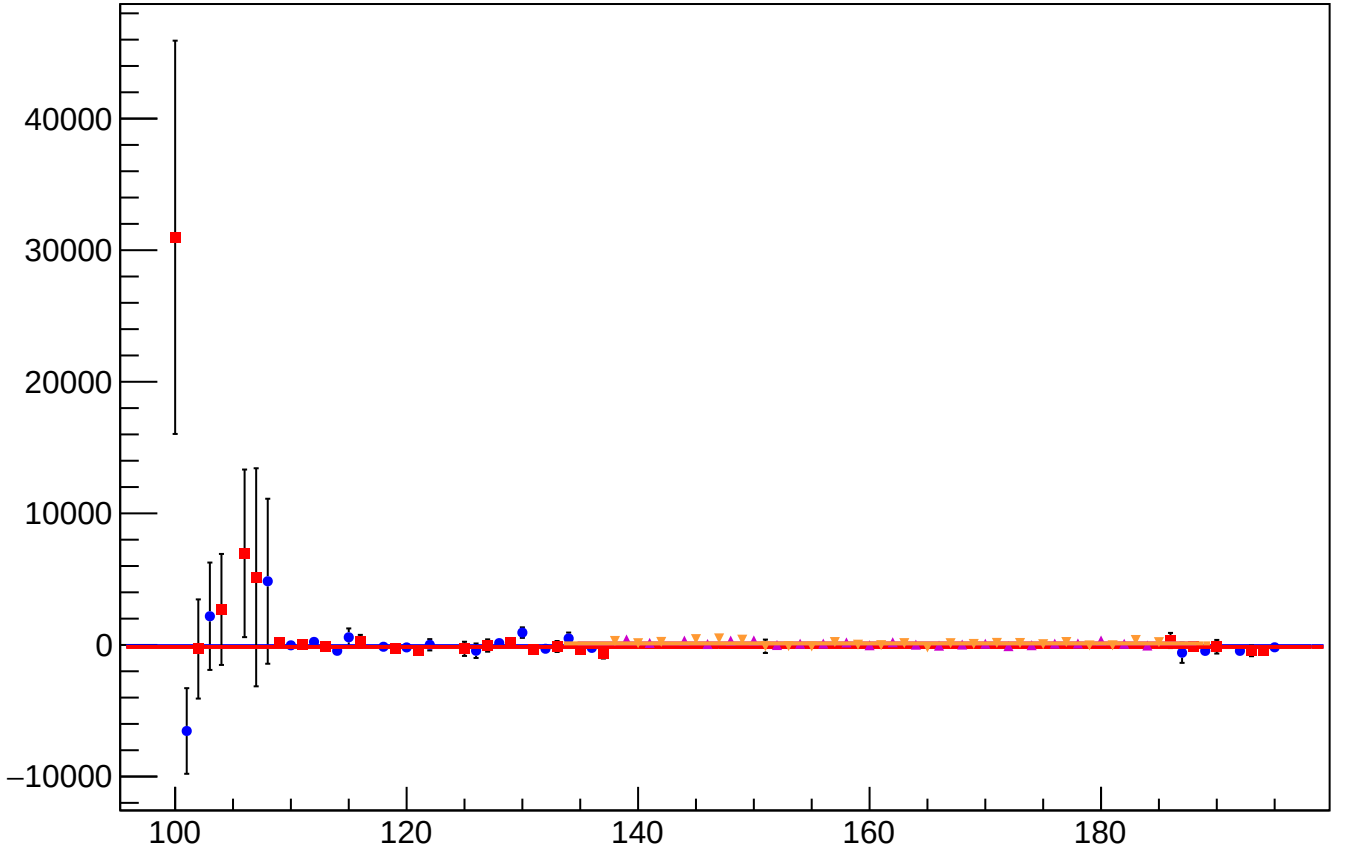
Right: 24.614+/-0.004 χ^2/NDF: 94643.2/42

In: 25.008+/-0.003 χ^2/NDF:82085.4/42

Out: 25.091+/-0.003 χ^2/NDF:86615.3/46

All: 25.050+/-0.002 χ^2/NDF: 169013.9/89

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -88.106+/-70.470 χ^2/NDF: 22.0/19

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -152.609+/-68.715 χ^2/NDF: 17.7/22

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

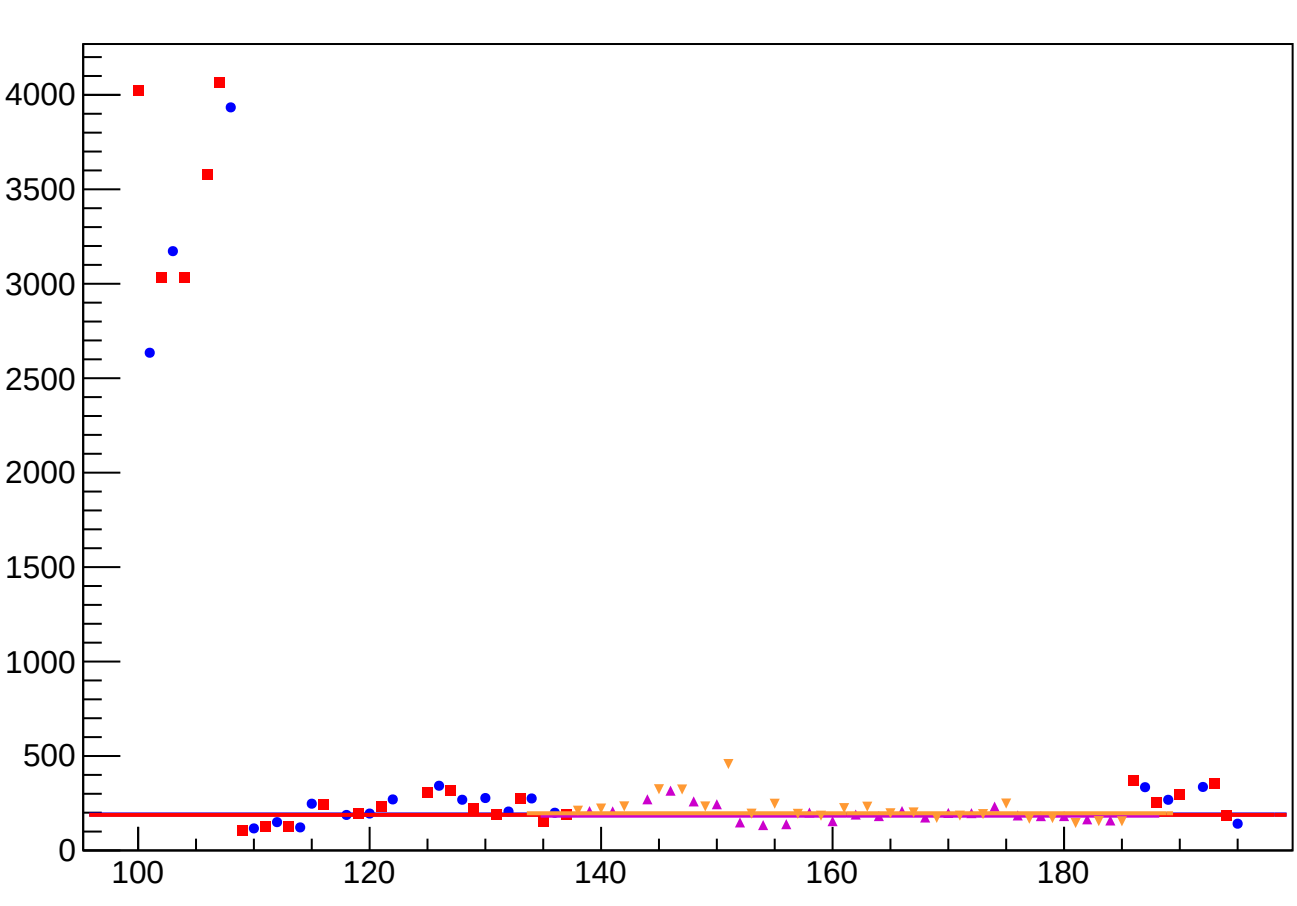
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -121.171+/-49.198 χ^2/NDF: 40.1/42

In: 57.452+/-37.798 χ^2/NDF:36.4/42

Out: 32.155+/-39.040 χ^2/NDF:40.3/46

All: 45.212+/-27.156 χ^2/NDF: 76.9/89



Right In: 190.524+/-0.050 χ^2/NDF: 4563676.2/19

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 188.370+/-0.049 χ^2/NDF: 5106032.1/22

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

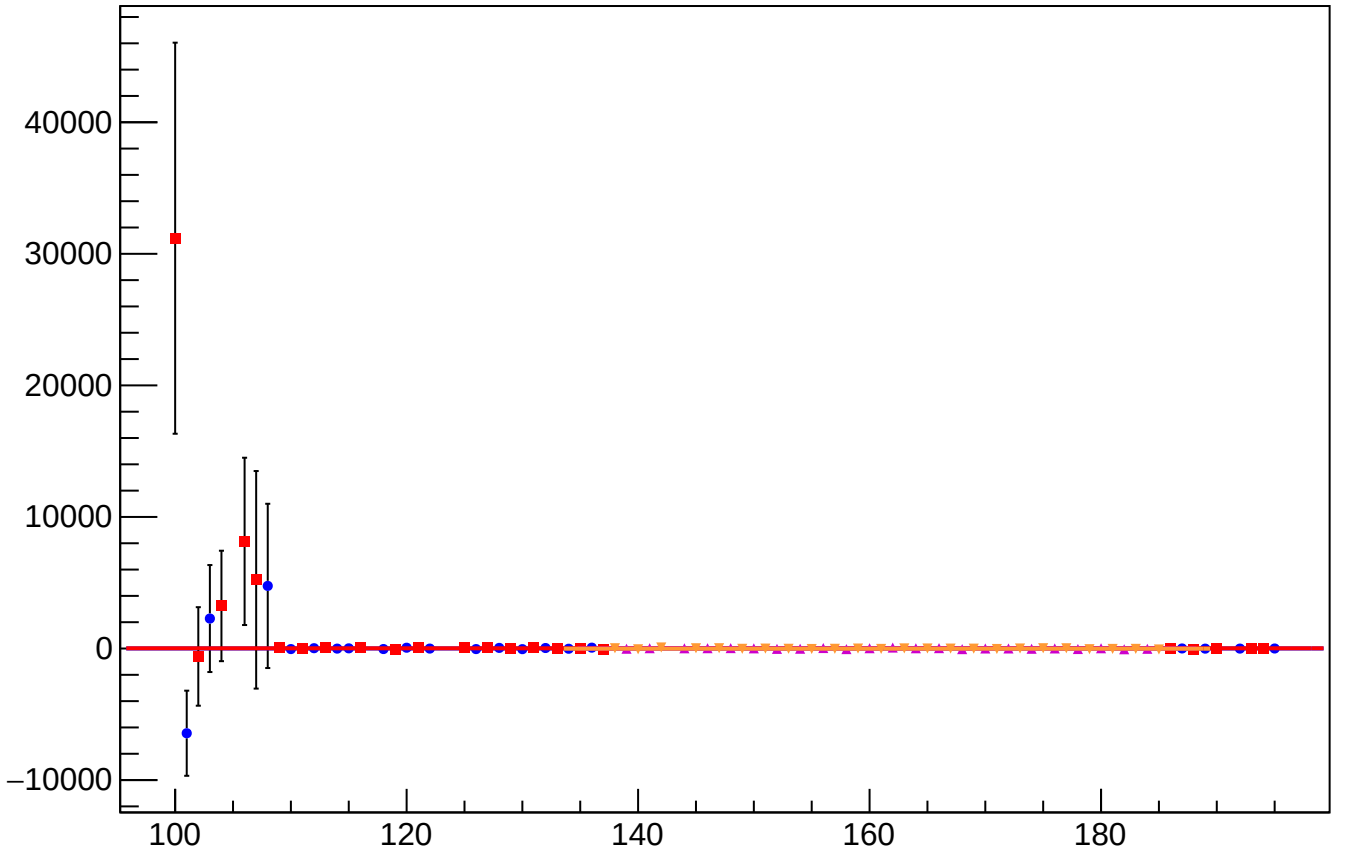
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 189.420+/-0.035 χ^2/NDF: 9670666.0/42

In: 185.913+/-0.027 χ^2/NDF:6021121.2/42

Out: 194.170+/-0.028 χ^2/NDF:6936343.2/46

All: 189.908+/-0.019 χ^2/NDF: 13003645.3/89



Right In: 3.053+/-9.652 χ^2/NDF: 18.6/19

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 16.689+/-9.419 χ^2/NDF: 25.7/22

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

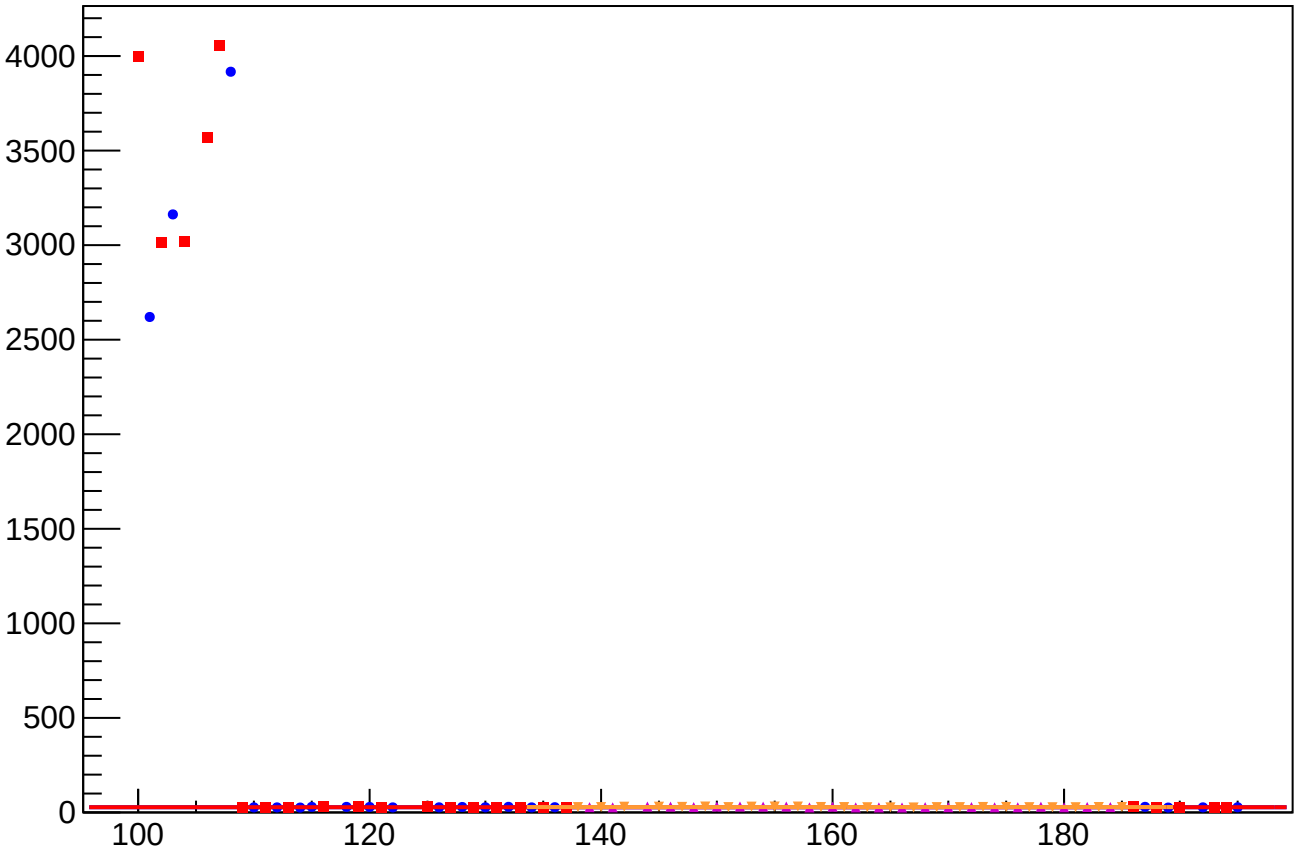
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 10.038+/-6.741 χ^2/NDF: 45.4/42

In: 2.732+/-5.522 χ^2/NDF:40.8/42

Out: -1.858+/-5.434 χ^2/NDF:49.1/46

All: 0.400+/-3.873 χ^2/NDF: 90.2/89



Right In: 27.556+/-0.007 χ^2/NDF: 3274766.4/19

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.690+/-0.007 χ^2/NDF: 3575505.8/22

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

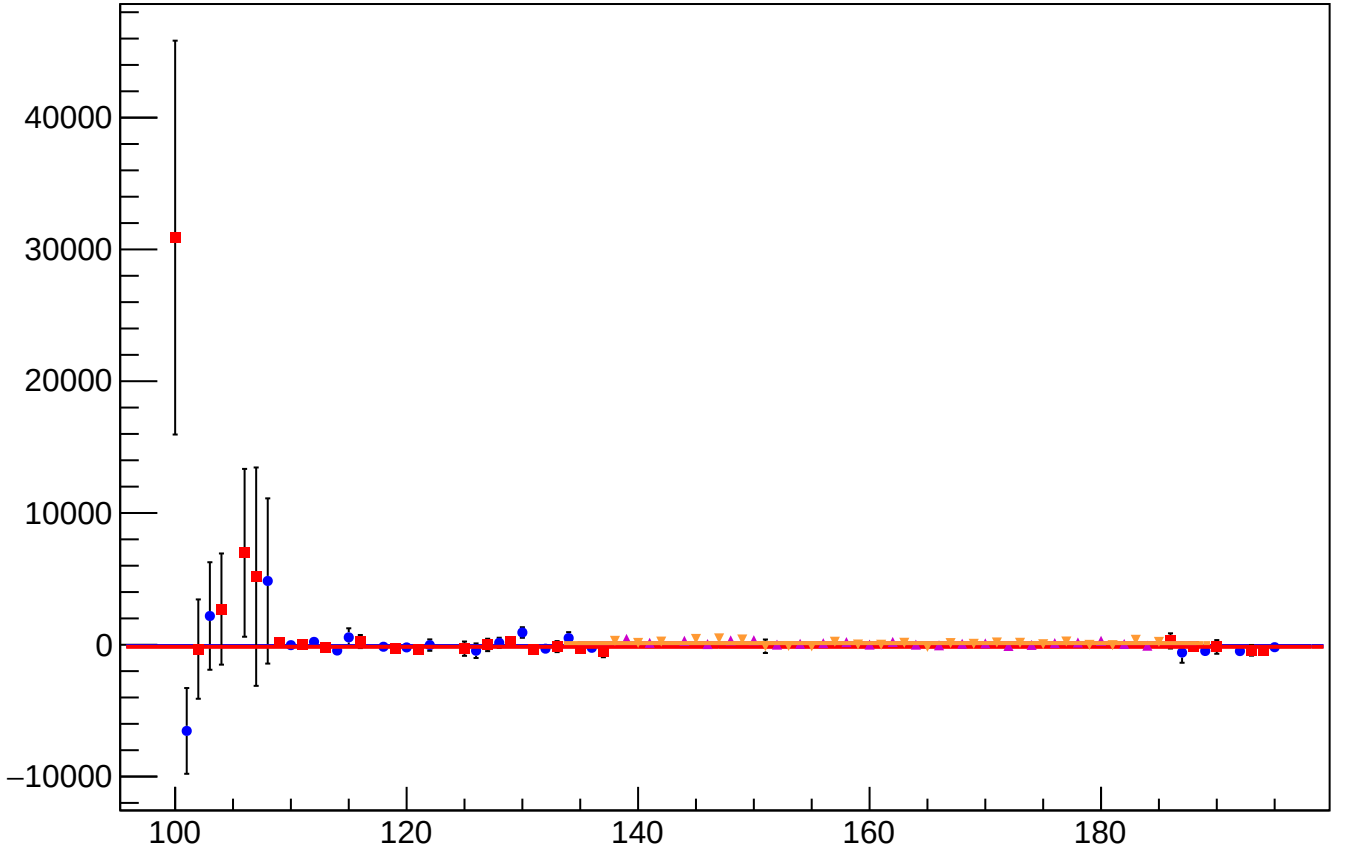
Right: 27.625+/-0.005 χ^2/NDF: 6850469.4/42

In: 28.344+/-0.004 χ^2/NDF:3421978.2/42

Out: 28.292+/-0.004 χ^2/NDF:3668750.5/46

All: 28.318+/-0.003 χ^2/NDF: 7090819.8/89

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -96.470+/-70.854 χ^2/NDF: 22.0/19

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -155.131+/-69.132 χ^2/NDF: 16.2/22

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

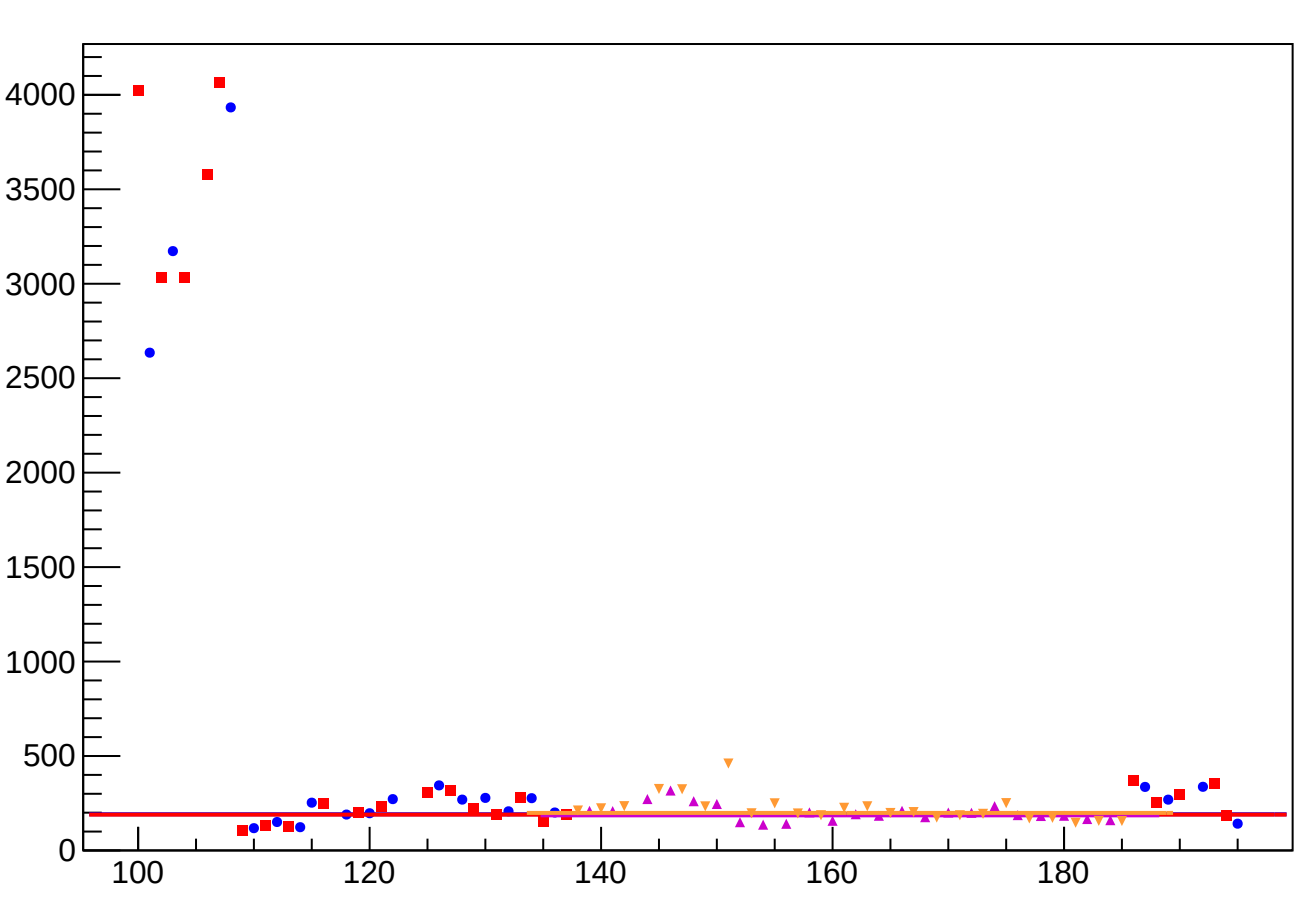
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -126.522+/-49.481 χ^2/NDF: 38.5/42

In: 59.385+/-38.106 χ^2/NDF:36.8/42

Out: 35.188+/-39.346 χ^2/NDF:39.0/46

All: 47.674+/-27.373 χ^2/NDF: 76.0/89



Right In: 191.618+/-0.050 χ^2/NDF: 4555989.6/19

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 189.663+/-0.049 χ^2/NDF: 5084897.5/22

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

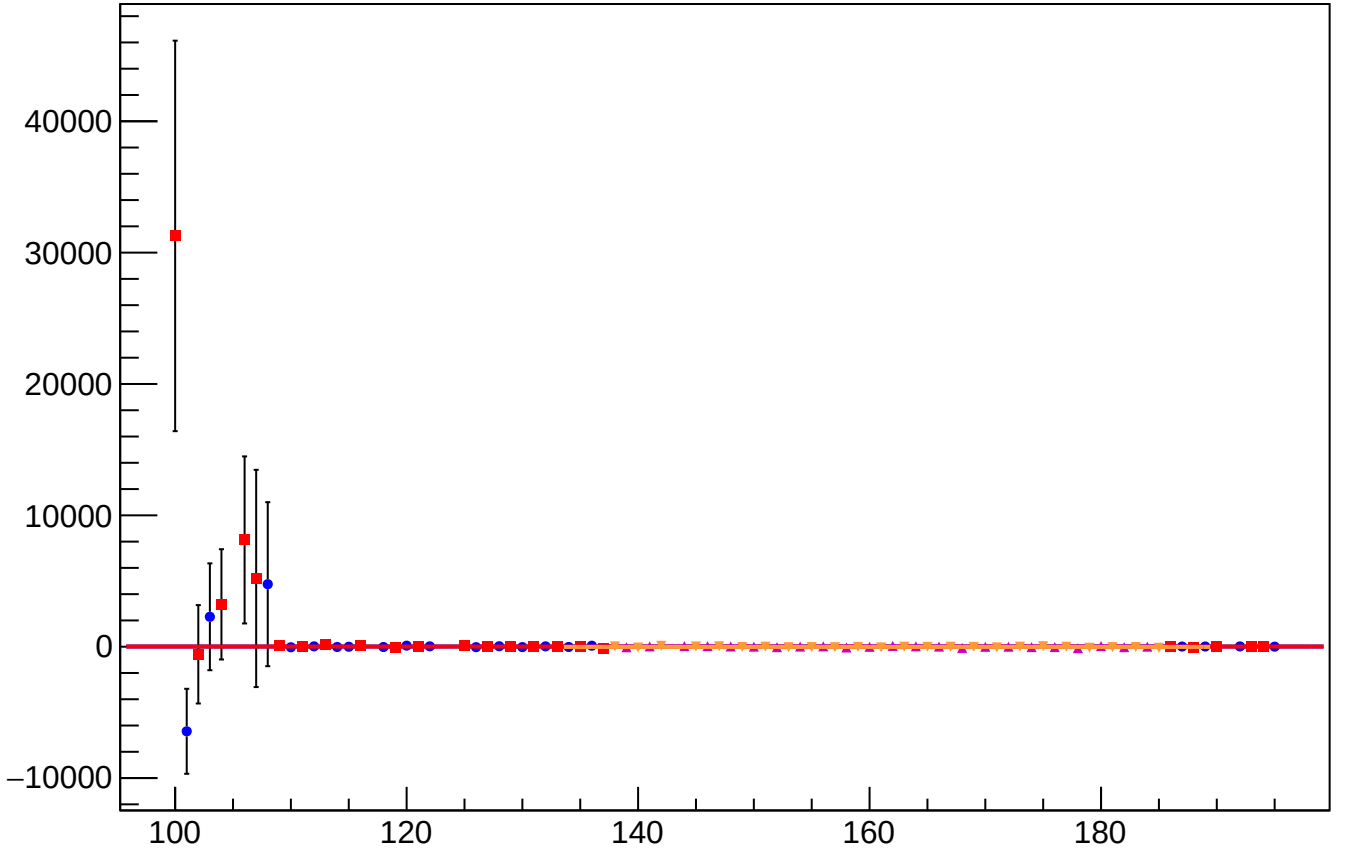
Right: 190.617+/-0.035 χ^2/NDF: 9641667.3/42

In: 187.534+/-0.027 χ^2/NDF:5970867.0/42

Out: 195.797+/-0.028 χ^2/NDF:6894593.7/46

All: 191.533+/-0.019 χ^2/NDF: 12910982.4/89

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.738+/-10.688 χ^2/NDF: 15.6/19

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 11.635+/-10.406 χ^2/NDF: 31.3/22

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

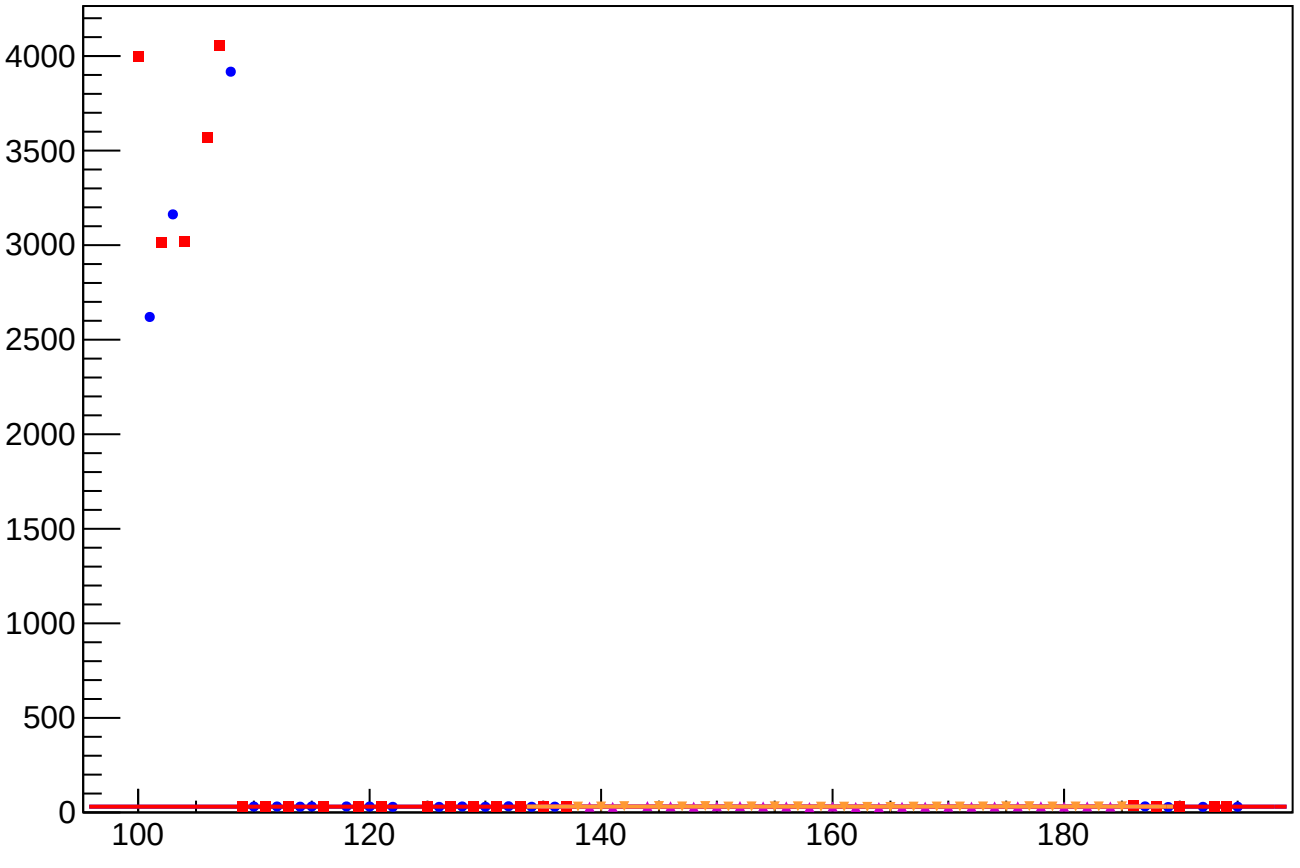
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 12.658+/-7.456 χ^2/NDF: 47.0/42

In: 2.570+/-6.055 χ^2/NDF:52.8/42

Out: -8.424+/-5.954 χ^2/NDF:57.1/46

All: -3.020+/-4.245 χ^2/NDF: 111.6/89



Right In: 30.536+/-0.008 χ^2/NDF: 3261832.2/19

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.621+/-0.007 χ^2/NDF: 3551995.9/22

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

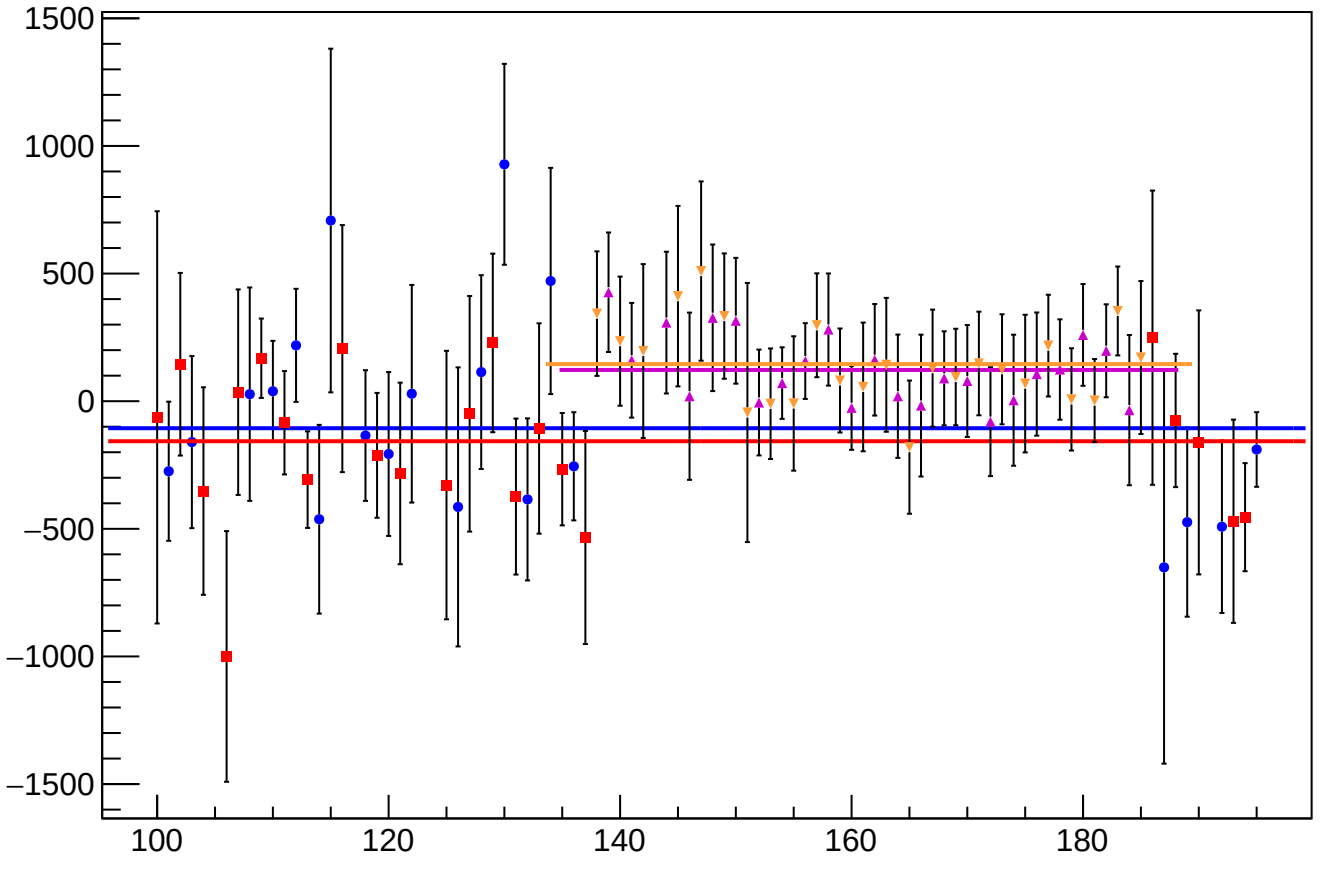
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.580+/-0.005 χ^2/NDF: 6813893.2/42

In: 31.109+/-0.004 χ^2/NDF:3355512.2/42

Out: 31.025+/-0.004 χ^2/NDF:3603891.7/46

All: 31.066+/-0.003 χ^2/NDF: 6959598.5/89



Right In: -105.890+/-65.568 χ^2/NDF: 19.4/19

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -156.832+/-62.286 χ^2/NDF: 16.1/22

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

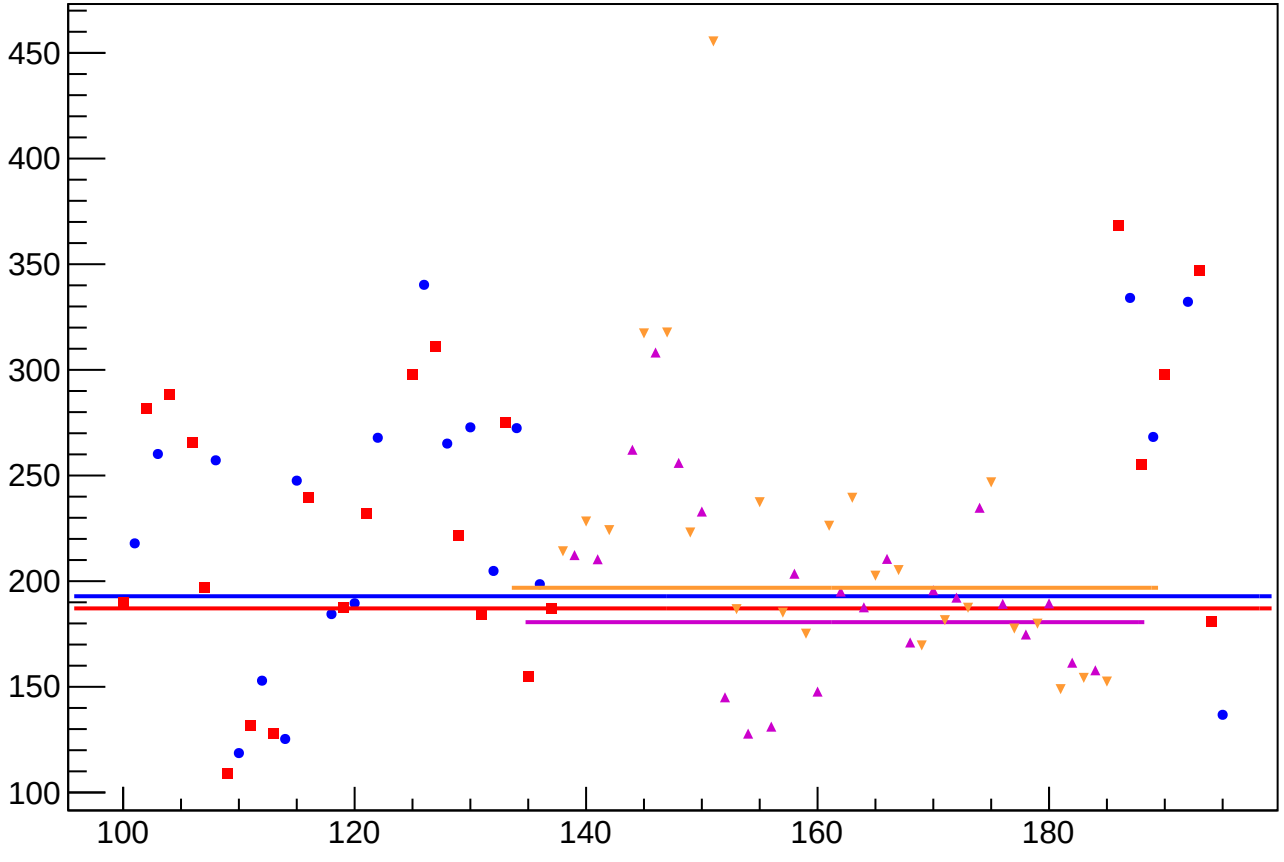
Right: -132.668+/-45.158 χ^2/NDF: 35.9/42

In: 51.319+/-36.582 χ^2/NDF:35.7/42

Out: 34.533+/-37.715 χ^2/NDF:40.4/46

All: 43.182+/-26.259 χ^2/NDF: 76.2/89

asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected



Right In: 192.869+/-0.046 χ^2/NDF: 1790461.5/19

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 187.115+/-0.044 χ^2/NDF: 2360253.8/22

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

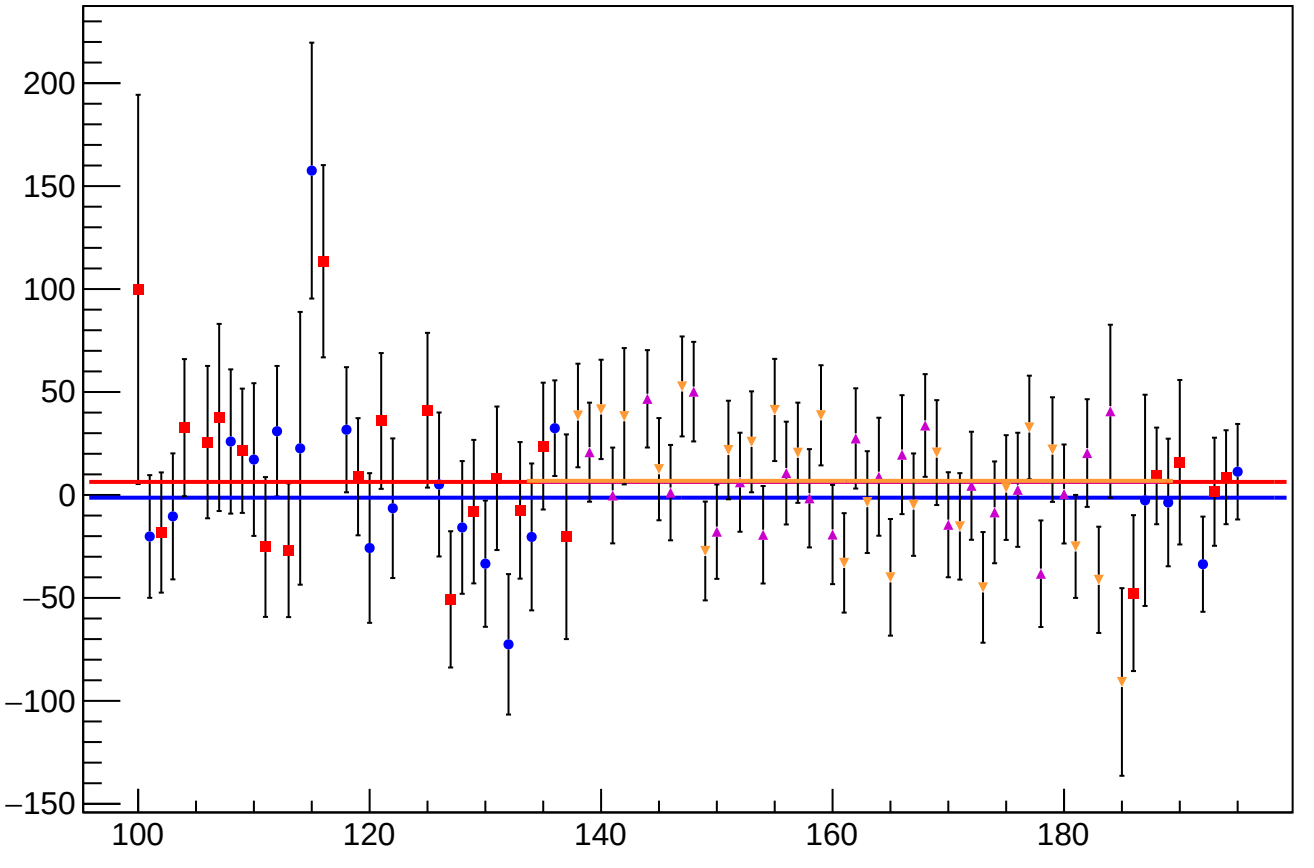
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 189.844+/-0.032 χ^2/NDF: 4158809.3/42

In: 184.420+/-0.026 χ^2/NDF:3466749.0/42

Out: 193.295+/-0.027 χ^2/NDF:4116447.5/46

All: 188.722+/-0.019 χ^2/NDF: 7640263.8/89



Right In: -1.324+/-7.175 χ^2/NDF: 21.0/19

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 6.340+/-6.888 χ^2/NDF: 18.2/22

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

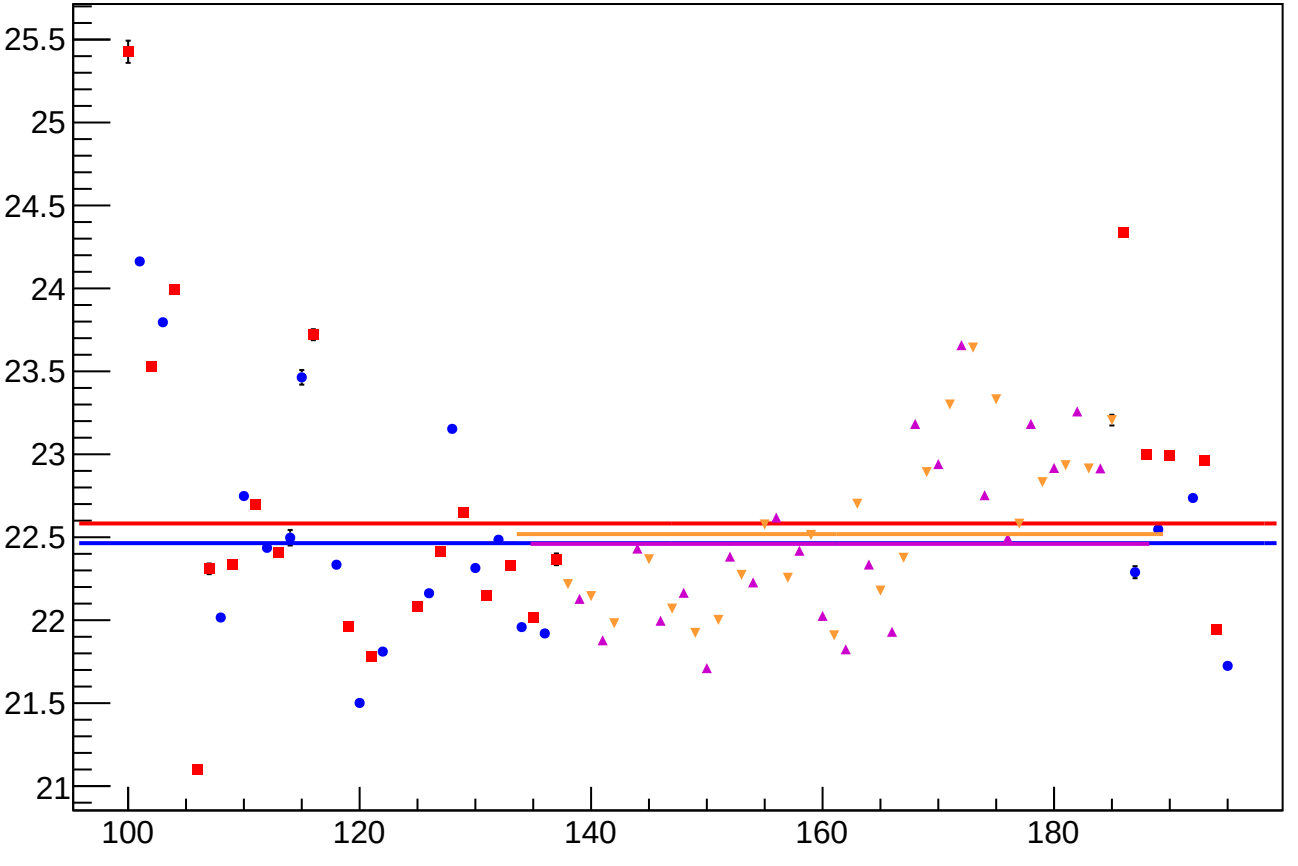
Right: 2.665+/-4.969 χ^2/NDF: 39.9/42

In: 3.762+/-4.235 χ^2/NDF:39.3/42

Out: 6.668+/-4.165 χ^2/NDF:55.1/46

All: 5.240+/-2.969 χ^2/NDF: 94.6/89

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.464+/-0.005 χ^2/NDF: 18396.0/19

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.583+/-0.005 χ^2/NDF: 22996.0/22

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

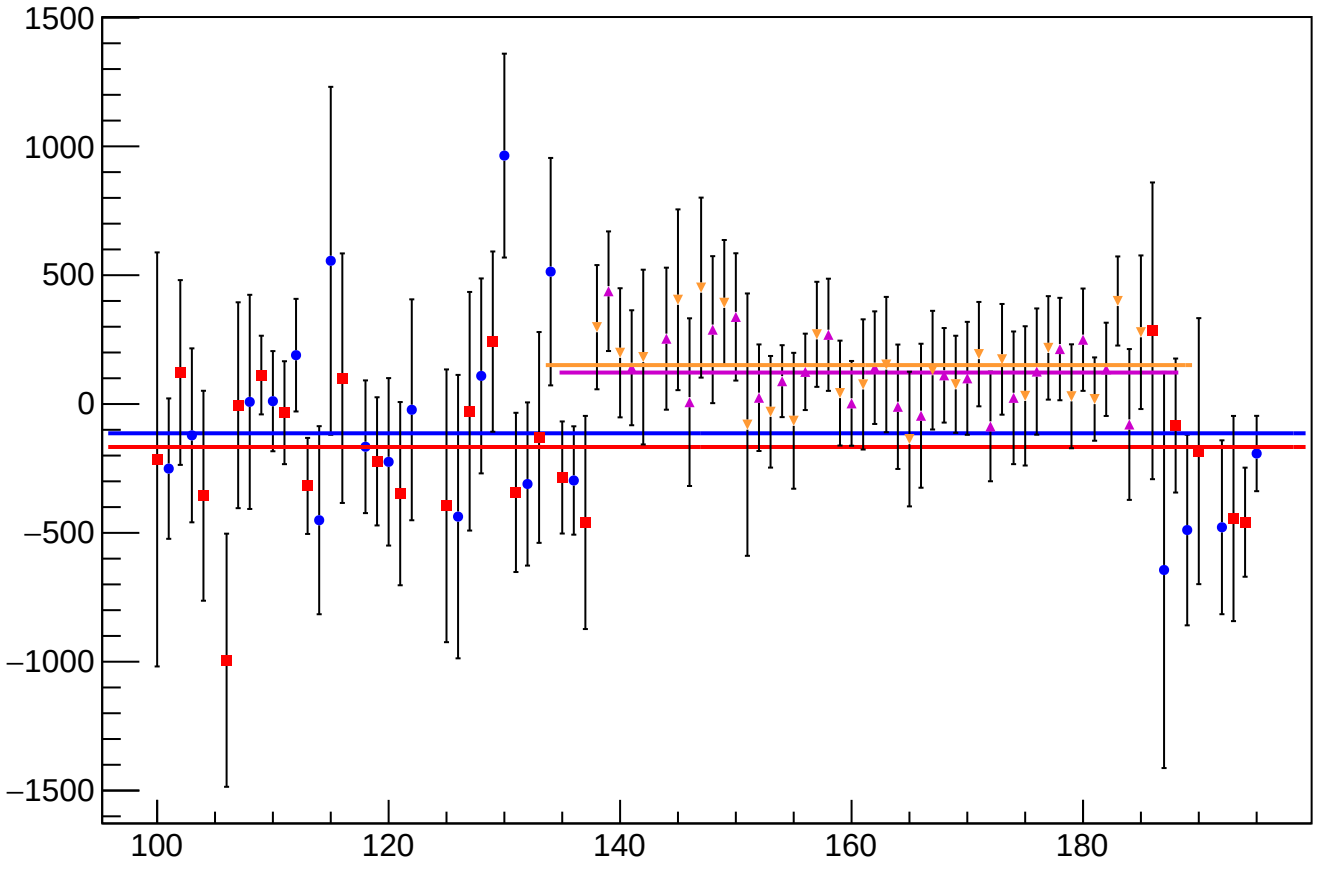
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.526+/-0.004 χ^2/NDF: 41676.9/42

In: 22.462+/-0.003 χ^2/NDF:37513.6/42

Out: 22.542+/-0.003 χ^2/NDF:39104.1/46

All: 22.503+/-0.002 χ^2/NDF: 76987.3/89



Right In: -113.537+/-65.353 χ^2/NDF: 19.0/19

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -166.737+/-61.911 χ^2/NDF: 14.8/22

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

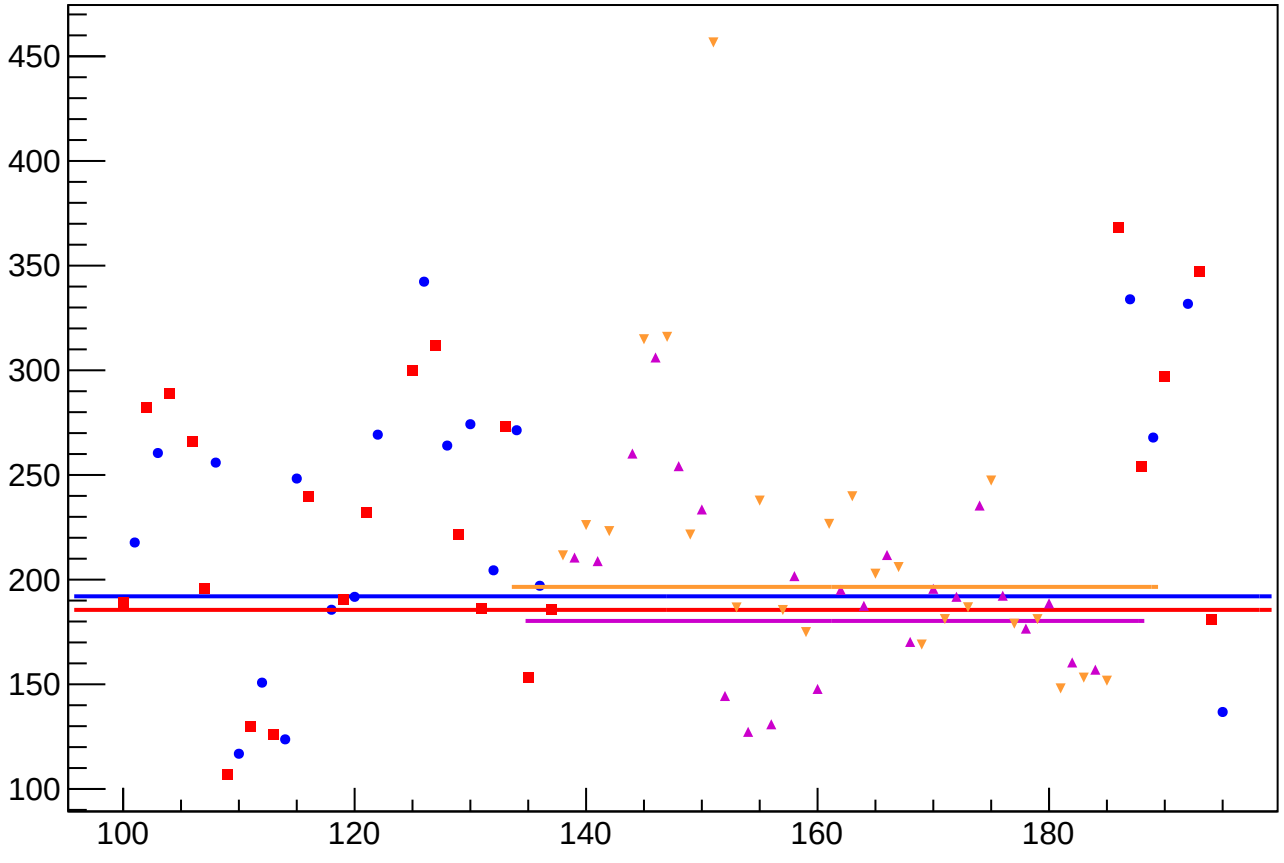
Right: -141.575+/-44.945 χ^2/NDF: 34.1/42

In: 48.634+/-36.502 χ^2/NDF:35.4/42

Out: 33.911+/-37.594 χ^2/NDF:41.4/46

All: 41.490+/-26.188 χ^2/NDF: 76.9/89

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 192.033+/-0.046 χ^2/NDF: 1826174.1/19

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 185.549+/-0.044 χ^2/NDF: 2444708.4/22

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

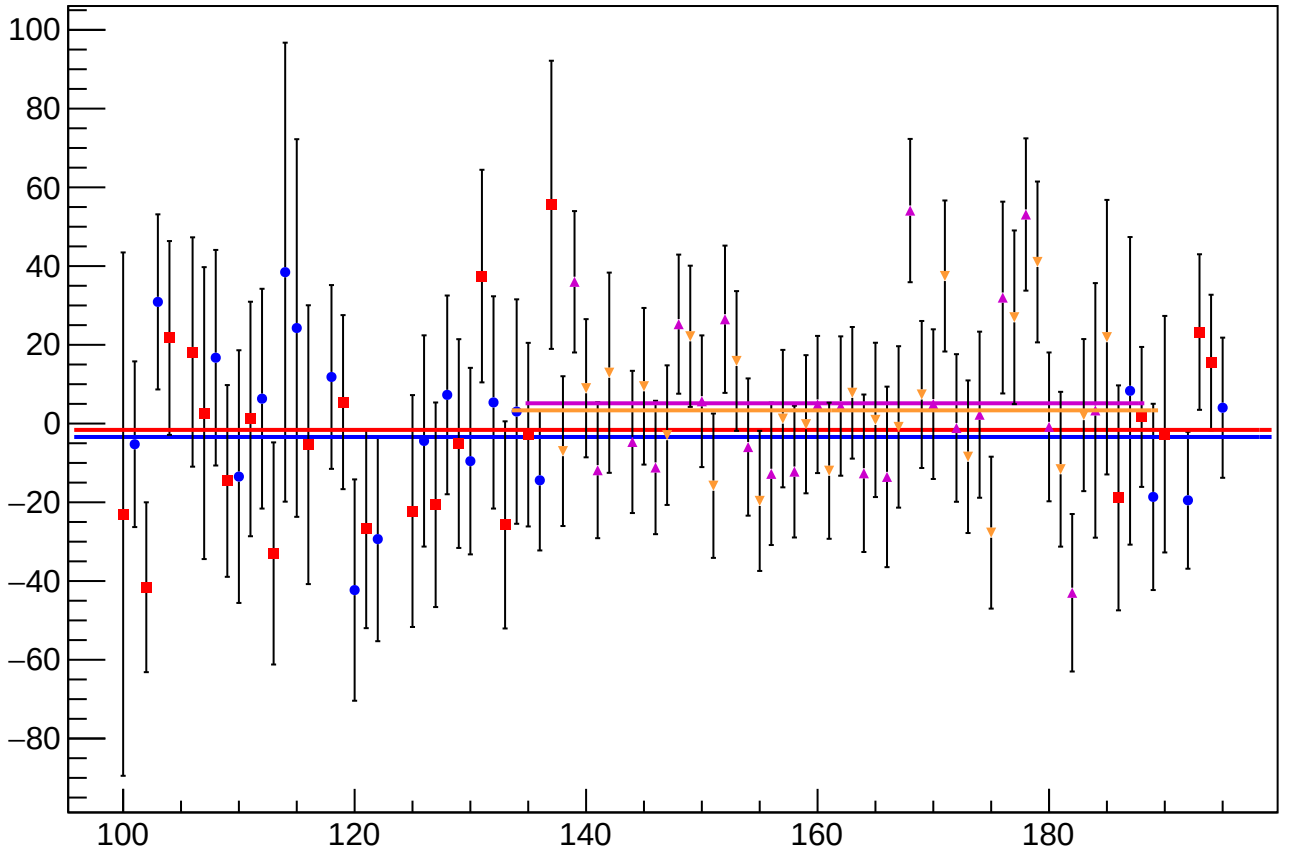
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 188.616+/-0.032 χ^2/NDF: 4281257.4/42

In: 183.943+/-0.026 χ^2/NDF:3495406.3/42

Out: 192.483+/-0.027 χ^2/NDF:4212337.0/46

All: 188.087+/-0.019 χ^2/NDF: 7760875.5/89



Right In: -3.410+/-5.540 χ^2/NDF: 9.7/19

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.610+/-5.322 χ^2/NDF: 16.9/22

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

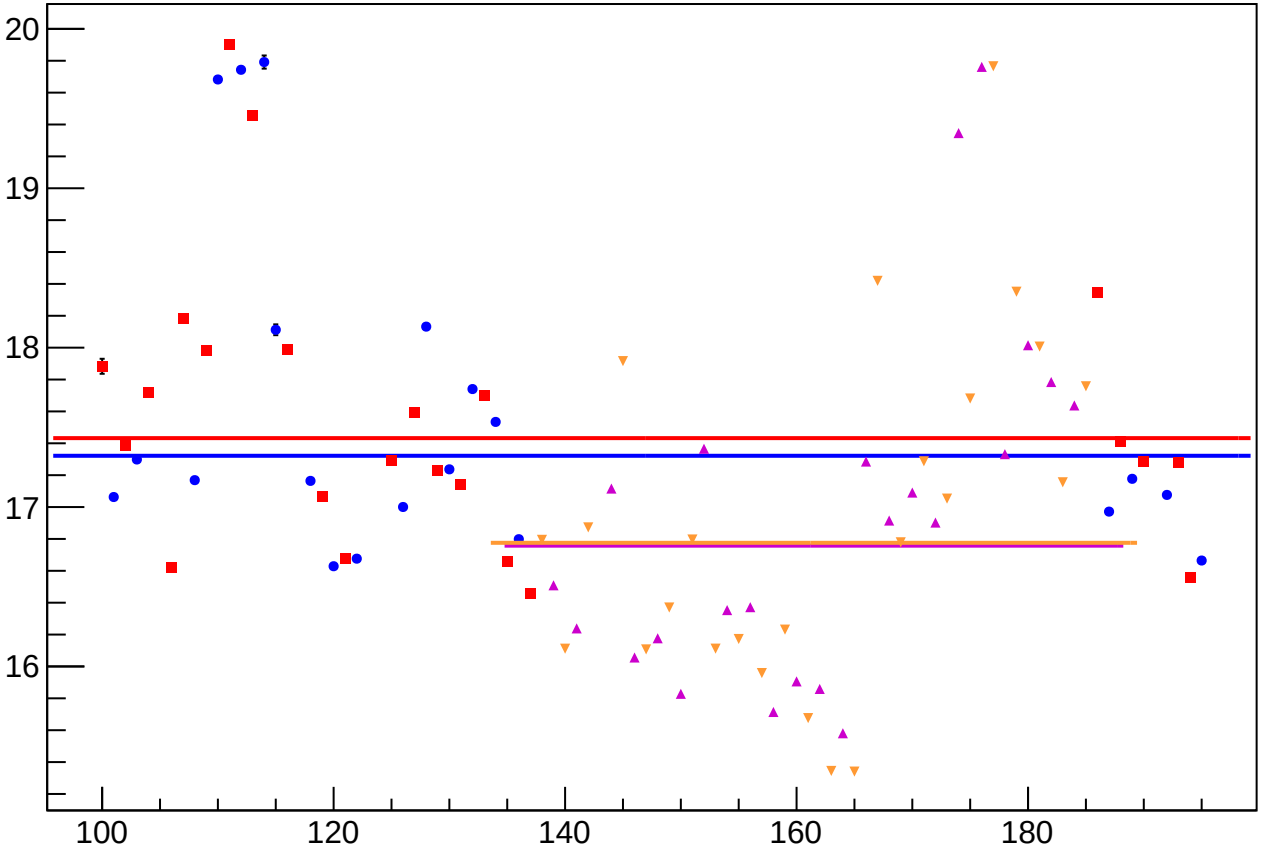
Right: -2.474+/-3.838 χ^2/NDF: 26.6/42

In: 2.290+/-3.202 χ^2/NDF:43.5/42

Out: 1.621+/-3.148 χ^2/NDF:35.2/46

All: 1.950+/-2.245 χ^2/NDF: 78.7/89

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.322+/-0.004 χ^2/NDF: 40971.3/19

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.432+/-0.004 χ^2/NDF: 42348.7/22

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

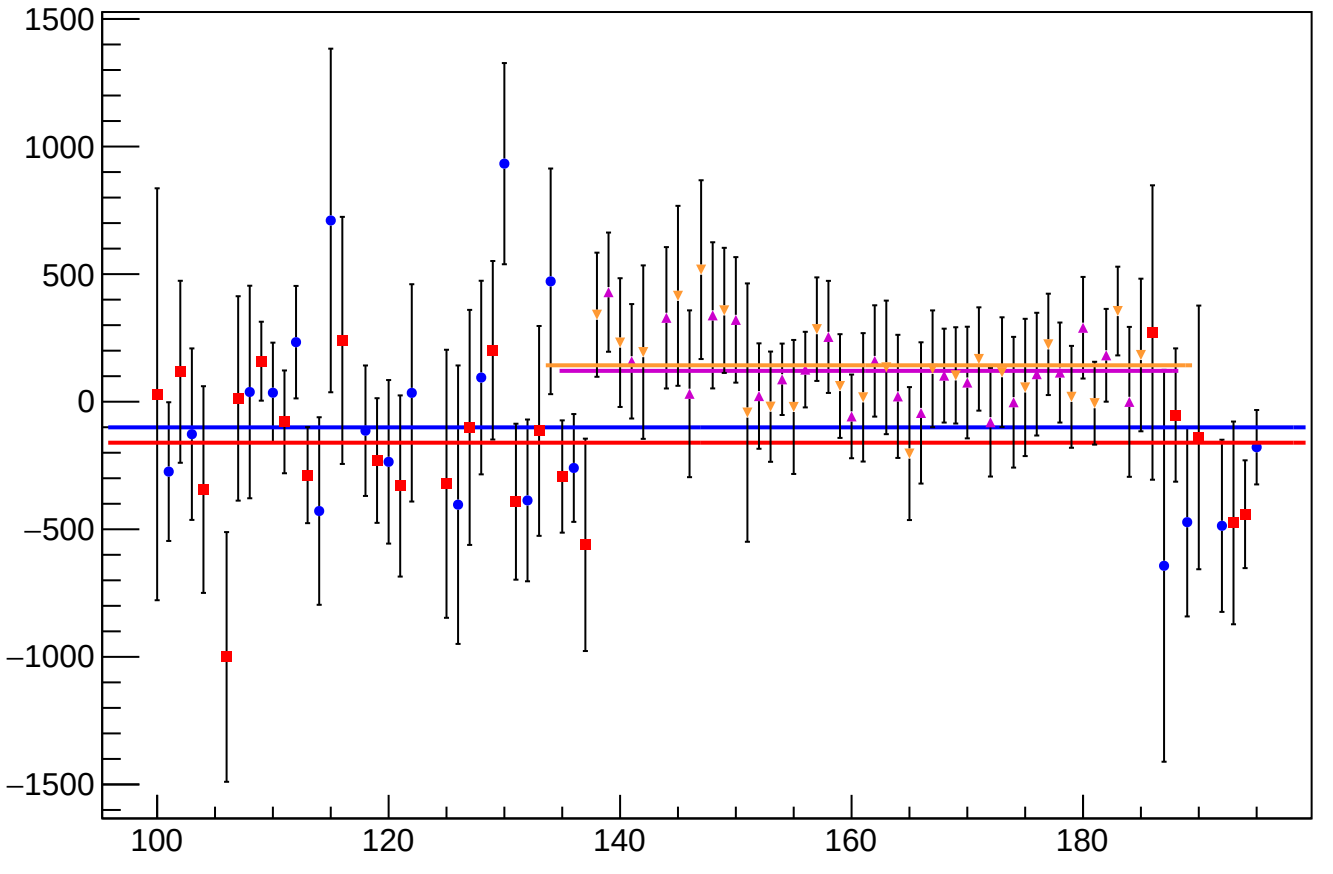
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.379+/-0.003 χ^2/NDF: 83735.6/42

In: 16.946+/-0.002 χ^2/NDF:178077.3/42

Out: 17.006+/-0.002 χ^2/NDF:198285.7/46

All: 16.976+/-0.002 χ^2/NDF: 376711.8/89



Right In: -100.504+/-65.388 χ^2/NDF: 19.4/19

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -160.669+/-62.109 χ^2/NDF: 16.1/22

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

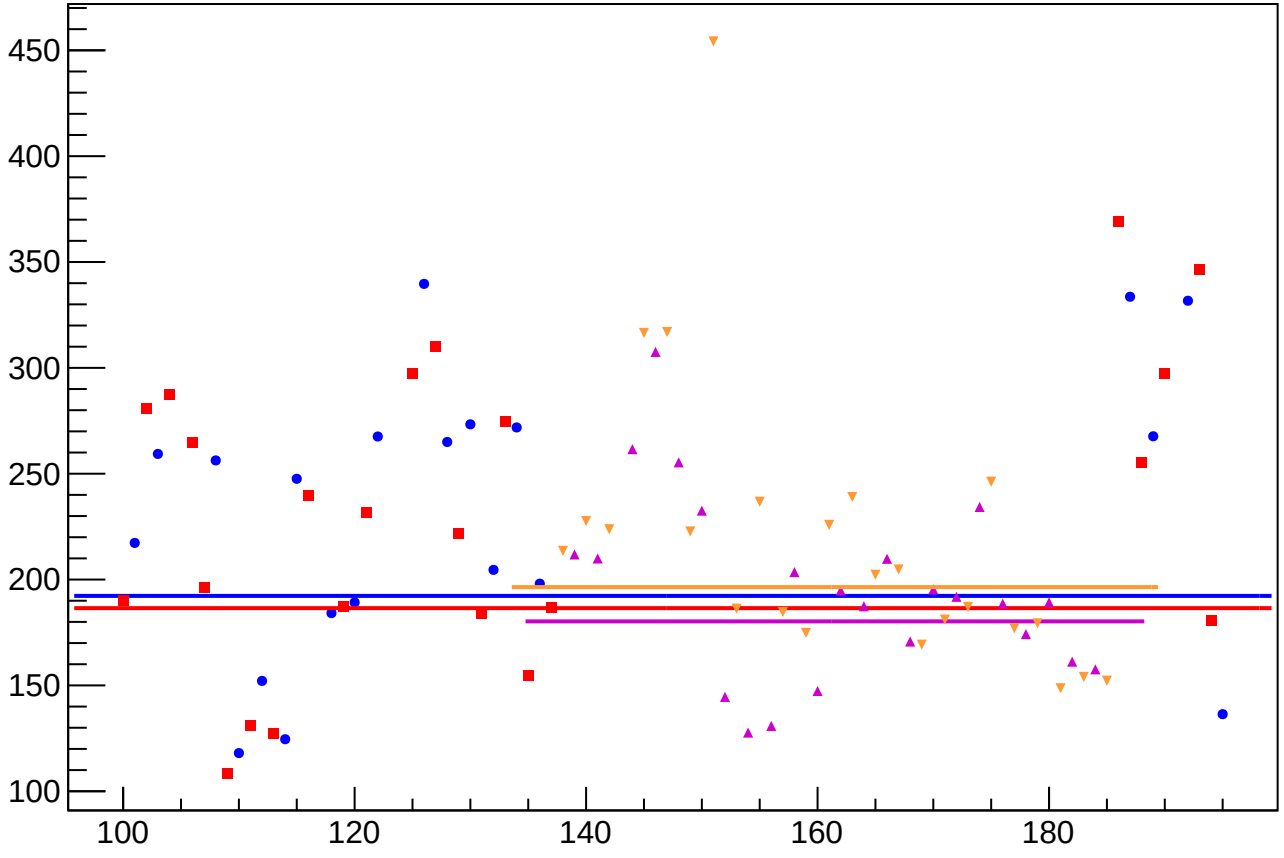
Right: -132.133+/-45.032 χ^2/NDF: 35.9/42

In: 51.898+/-36.502 χ^2/NDF:35.5/42

Out: 31.373+/-37.624 χ^2/NDF:41.3/46

All: 41.946+/-26.198 χ^2/NDF: 77.0/89

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.283+/-0.046 χ^2/NDF: 1801655.5/19

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 186.500+/-0.044 χ^2/NDF: 2377545.3/22

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

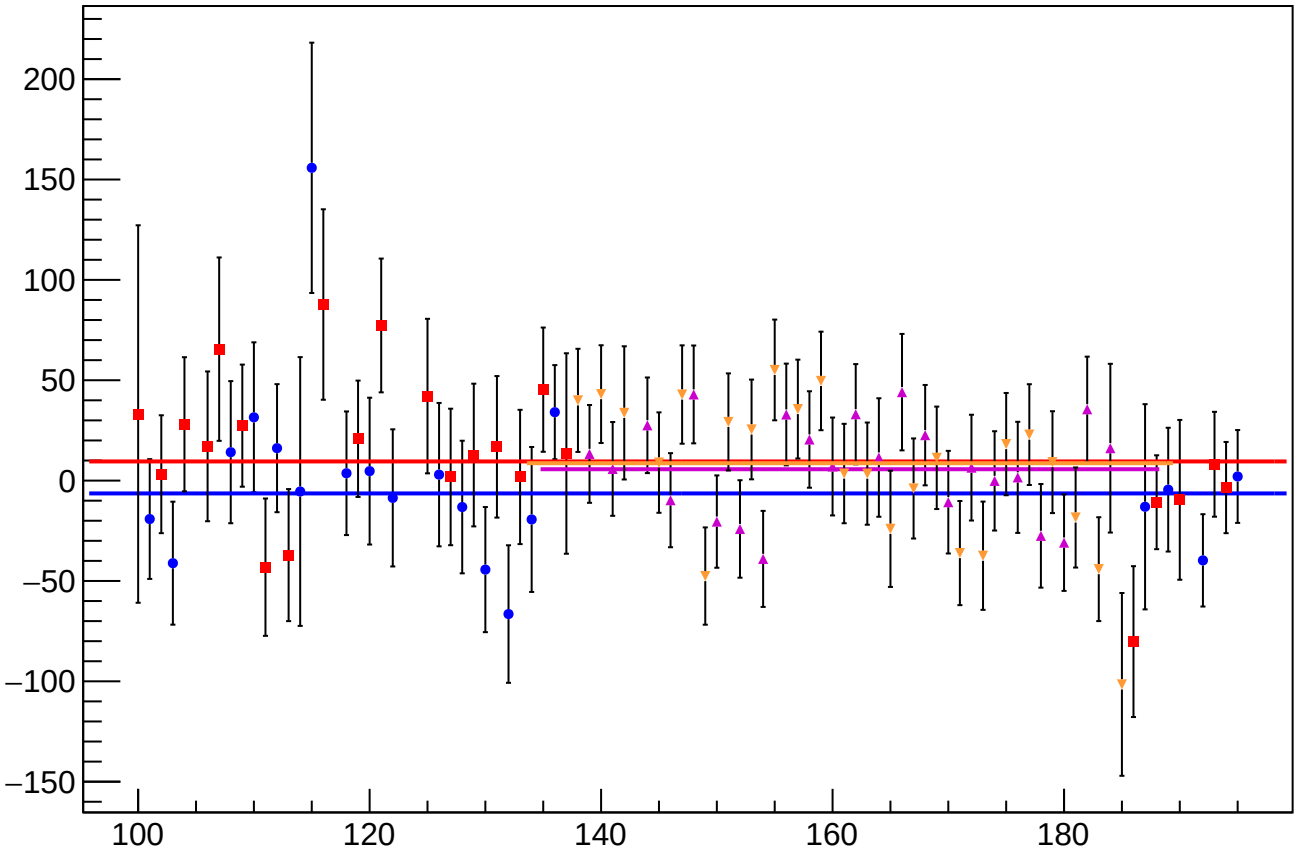
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 189.243+/-0.032 χ^2/NDF: 4187424.5/42

In: 183.998+/-0.026 χ^2/NDF:3476074.6/42

Out: 192.800+/-0.027 χ^2/NDF:4133578.7/46

All: 188.266+/-0.019 χ^2/NDF: 7666038.3/89



Right In: -6.386+/-7.219 χ^2/NDF: 20.3/19

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.549+/-6.933 χ^2/NDF: 22.9/22

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

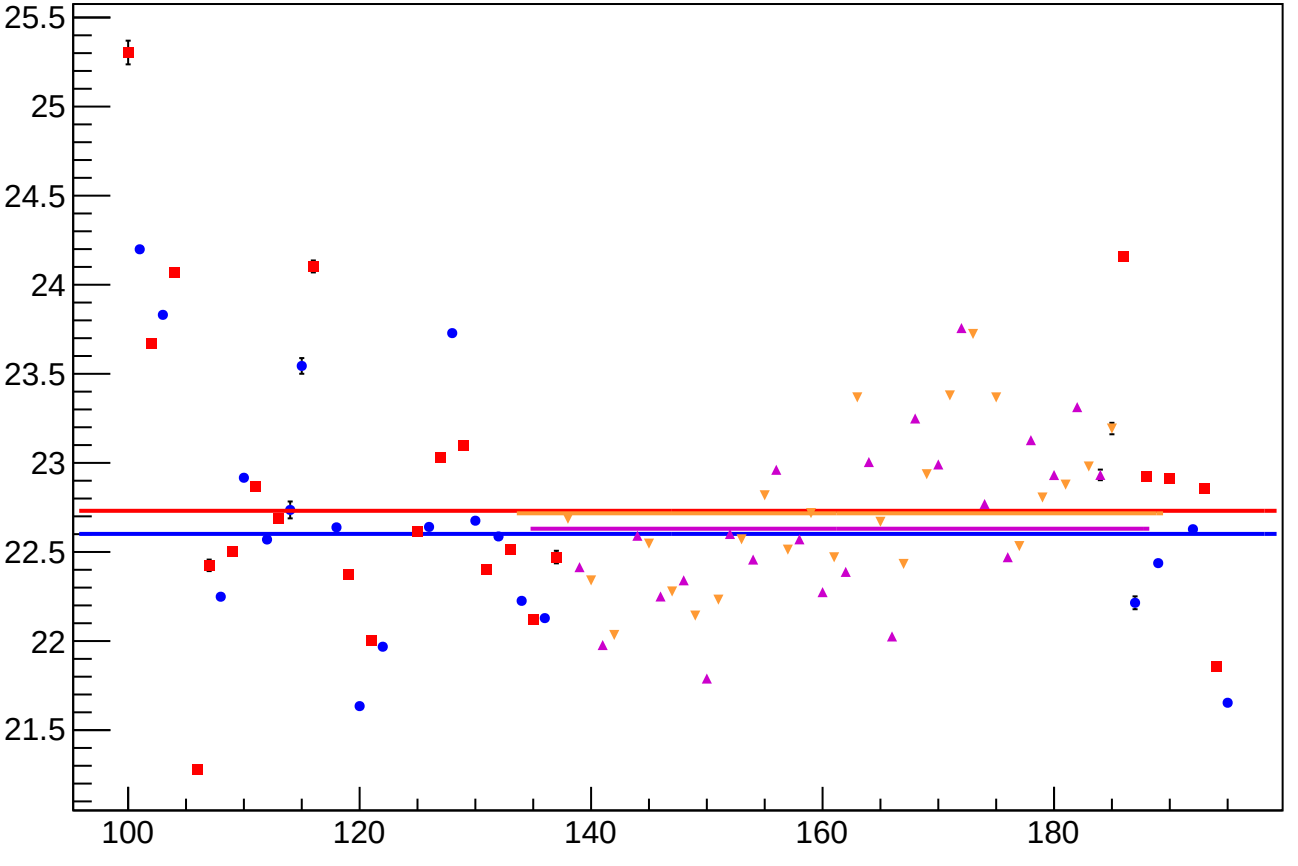
Right: 1.903+/-5.001 χ^2/NDF: 45.8/42

In: 1.460+/-4.265 χ^2/NDF:43.0/42

Out: 8.989+/-4.198 χ^2/NDF:62.1/46

All: 5.284+/-2.992 χ^2/NDF: 106.6/89

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.601+/-0.005 χ^2/NDF: 18753.0/19

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.731+/-0.005 χ^2/NDF: 20453.7/22

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

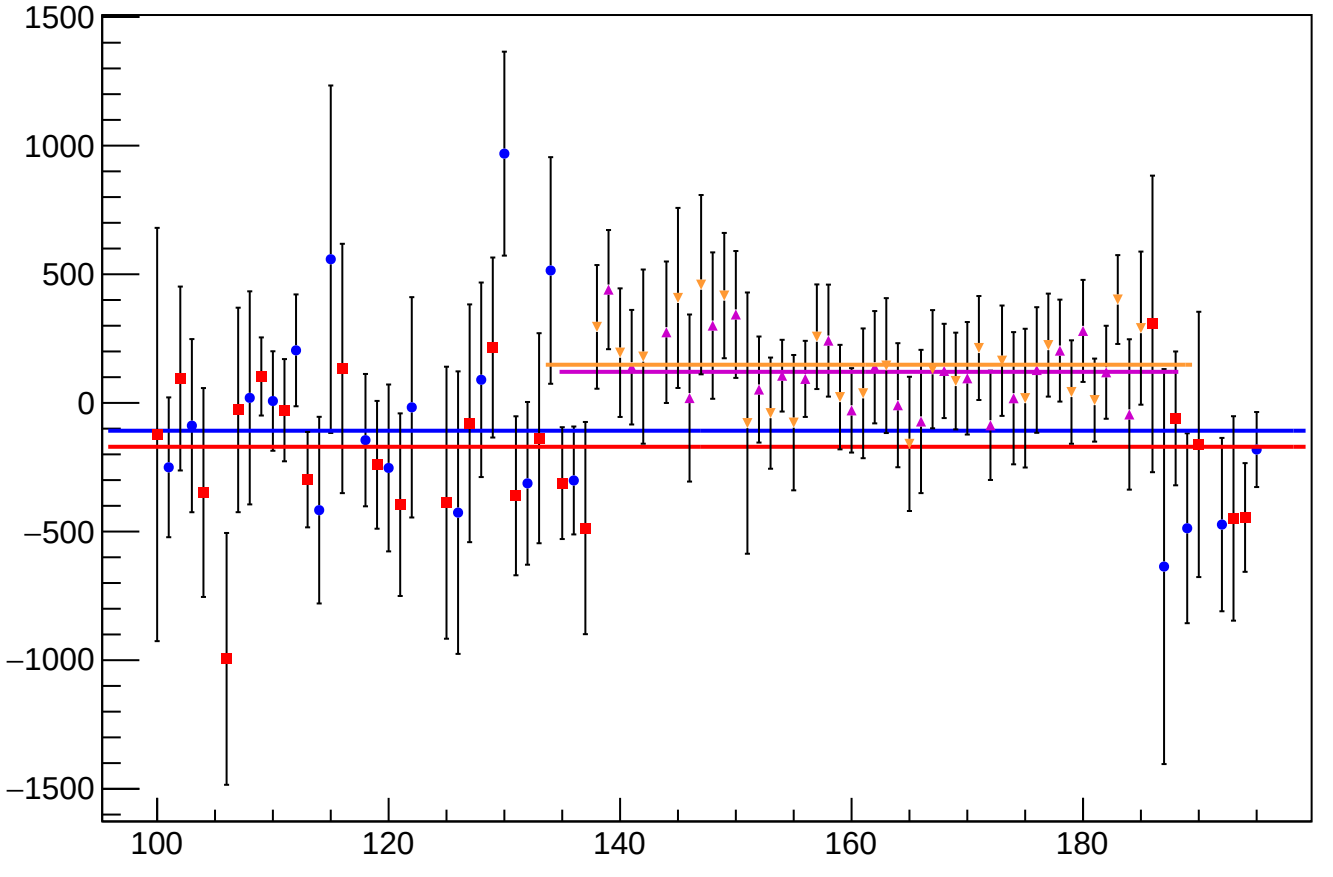
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.669+/-0.004 χ^2/NDF: 39542.1/42

In: 22.620+/-0.003 χ^2/NDF:34165.5/42

Out: 22.722+/-0.003 χ^2/NDF:32636.4/46

All: 22.672+/-0.002 χ^2/NDF: 67380.1/89



Right In: -108.098+/-65.172 χ^2/NDF: 19.0/19

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -170.517+/-61.731 χ^2/NDF: 14.7/22

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

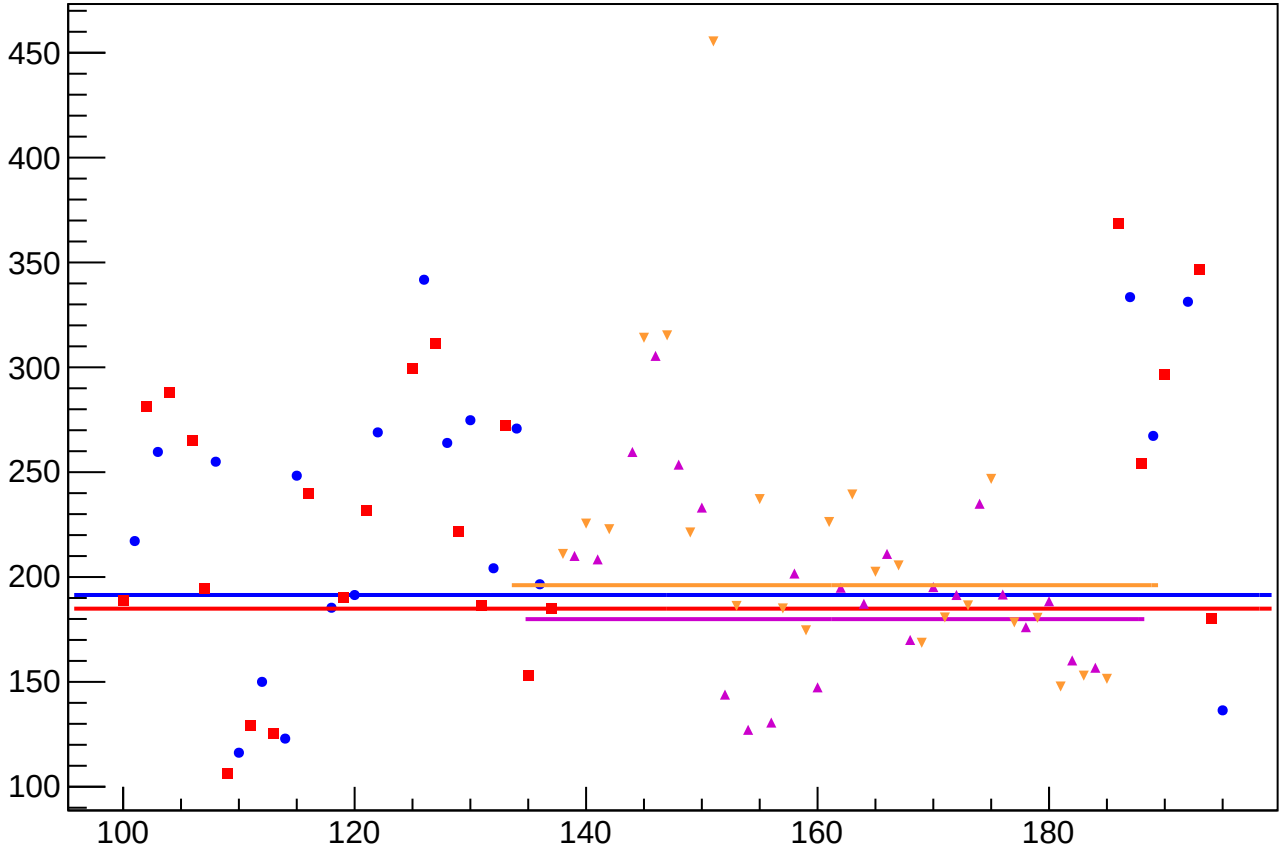
Right: -140.999+/-44.817 χ^2/NDF: 34.1/42

In: 49.284+/-36.421 χ^2/NDF:35.3/42

Out: 30.713+/-37.502 χ^2/NDF:42.5/46

All: 40.270+/-26.127 χ^2/NDF: 77.9/89

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.439+/-0.046 χ^2/NDF: 1837995.5/19

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 184.922+/-0.044 χ^2/NDF: 2463015.9/22

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

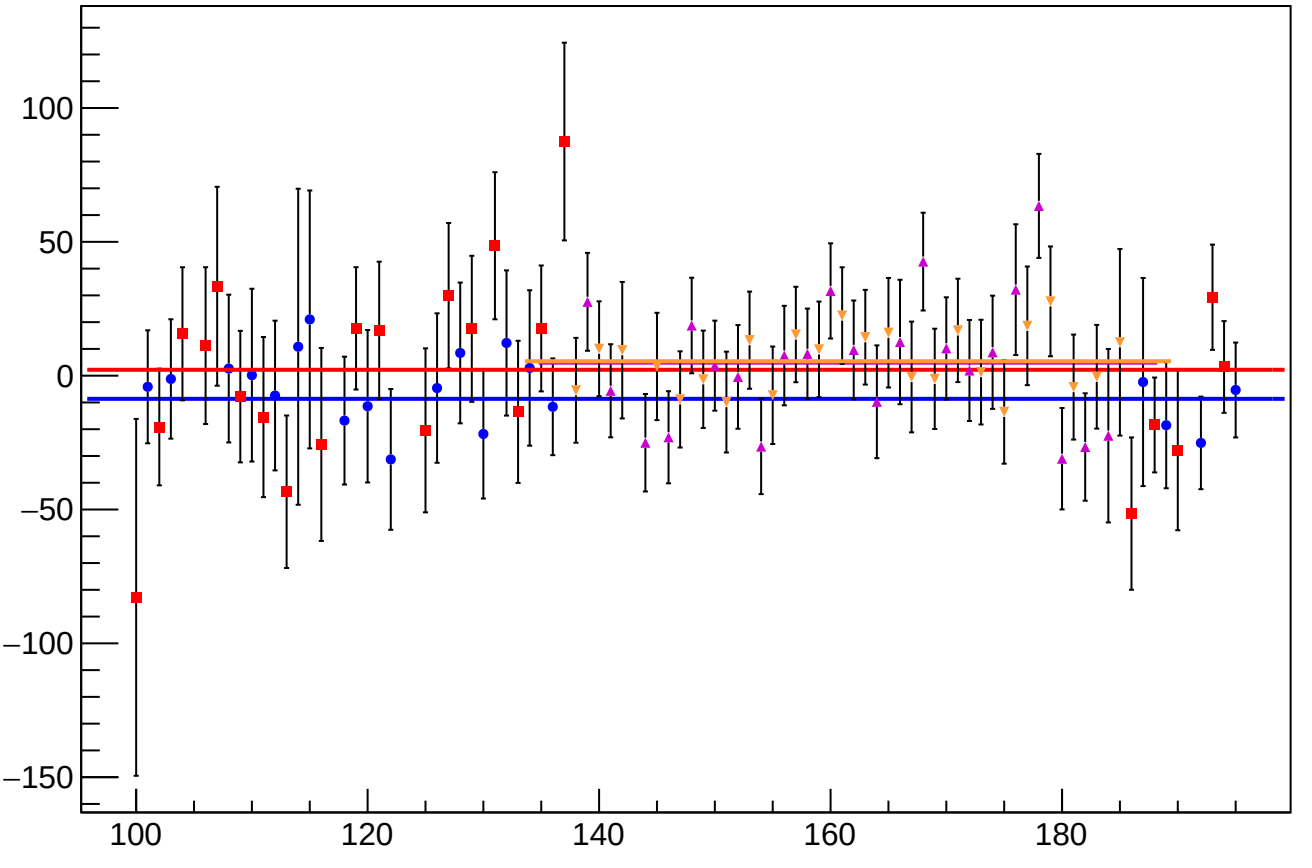
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 188.004+/-0.032 χ^2/NDF: 4311554.2/42

In: 183.520+/-0.026 χ^2/NDF:3505081.5/42

Out: 191.982+/-0.027 χ^2/NDF:4230769.4/46

All: 187.627+/-0.018 χ^2/NDF: 7788255.5/89



Right In: -8.648+/-5.590 χ^2/NDF: 4.4/19

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 2.208+/-5.374 χ^2/NDF: 26.8/22

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

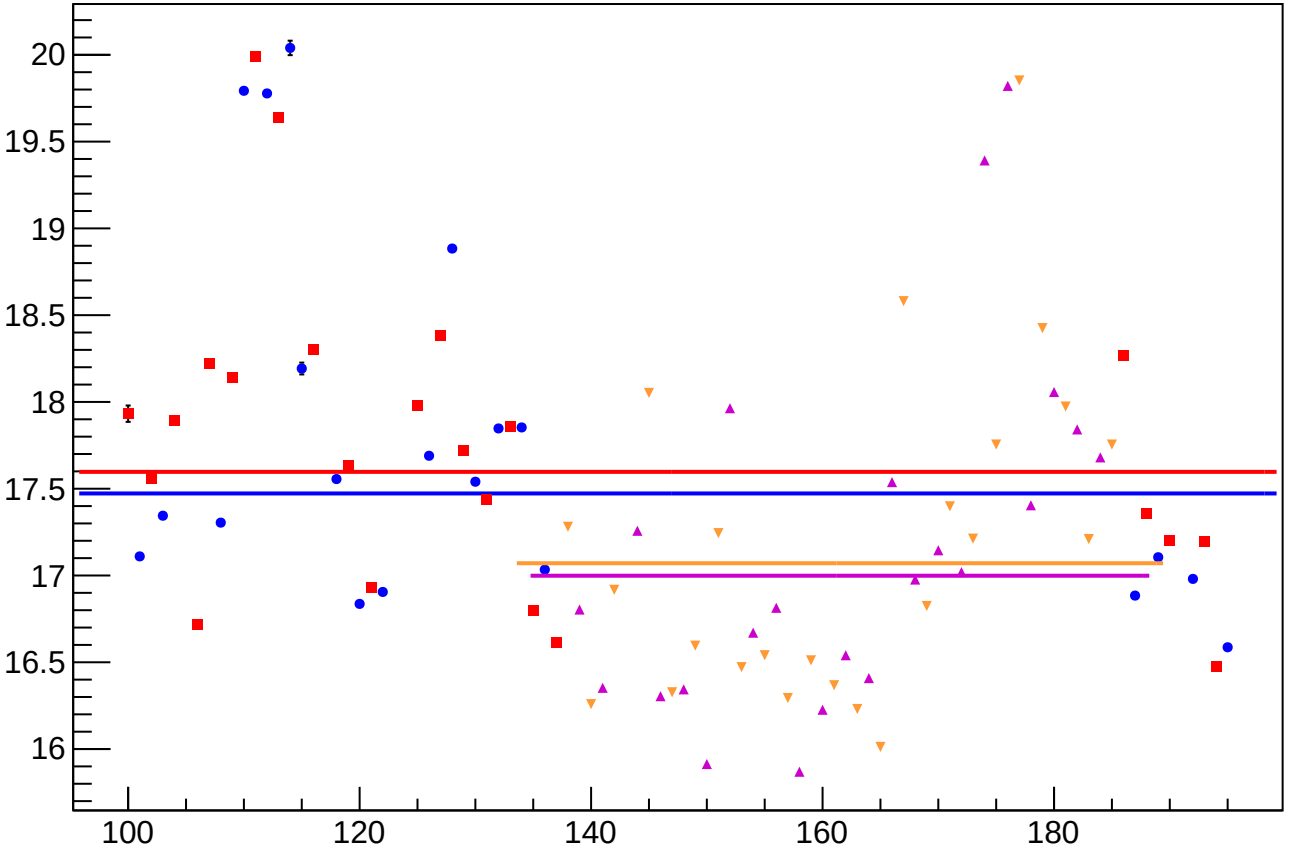
Right: -3.006+/-3.874 χ^2/NDF: 33.2/42

In: 0.314+/-3.242 χ^2/NDF:43.8/42

Out: 4.276+/-3.194 χ^2/NDF:34.8/46

All: 2.325+/-2.275 χ^2/NDF: 79.4/89

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.473+/-0.004 χ^2/NDF: 46202.4/19

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.597+/-0.004 χ^2/NDF: 46072.2/22

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

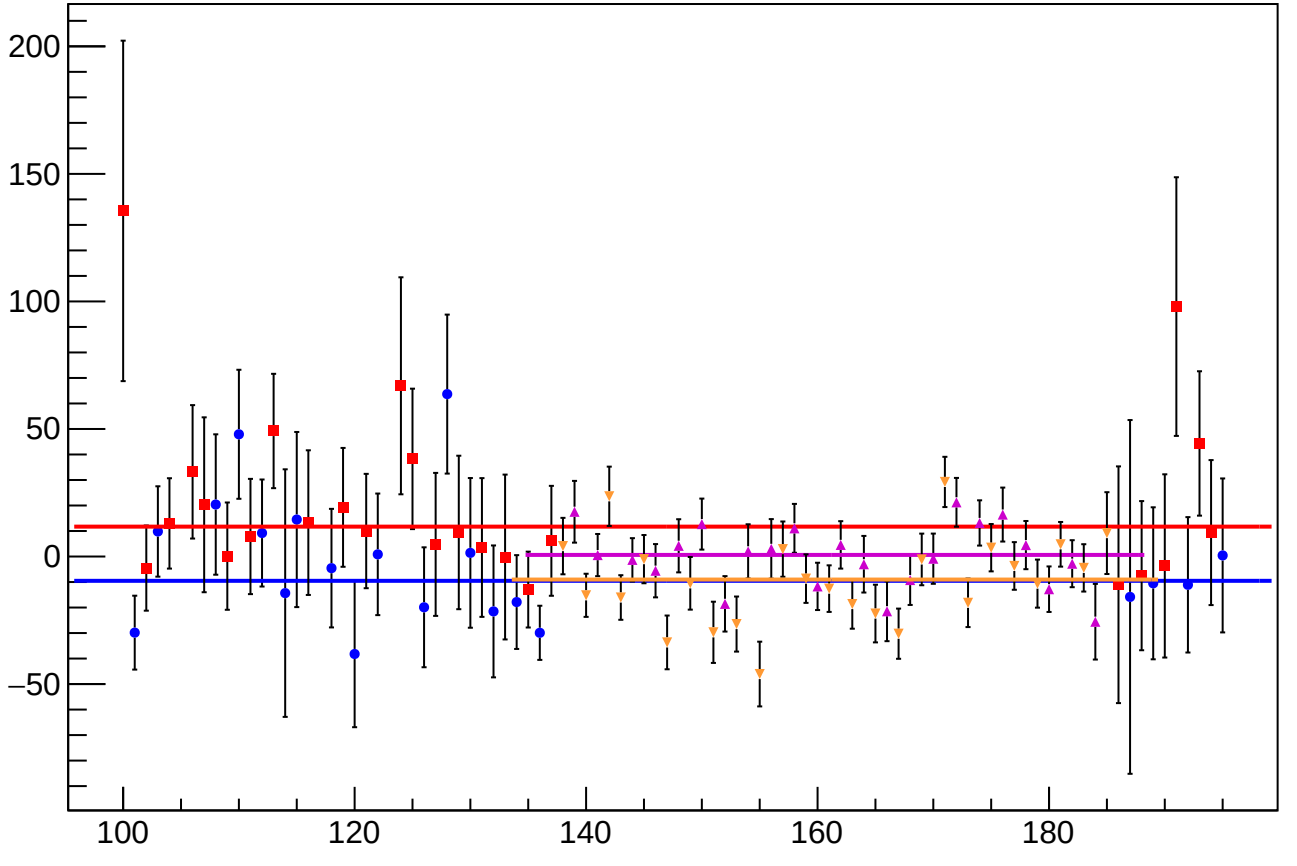
Right: 17.537+/-0.003 χ^2/NDF: 92789.5/42

In: 17.158+/-0.002 χ^2/NDF:159765.8/42

Out: 17.257+/-0.002 χ^2/NDF:154796.1/46

All: 17.208+/-0.002 χ^2/NDF: 315498.2/89

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -9.529+/-4.976 χ^2/NDF: 22.1/19

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: 11.718+/-5.056 χ^2/NDF: 19.2/24

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

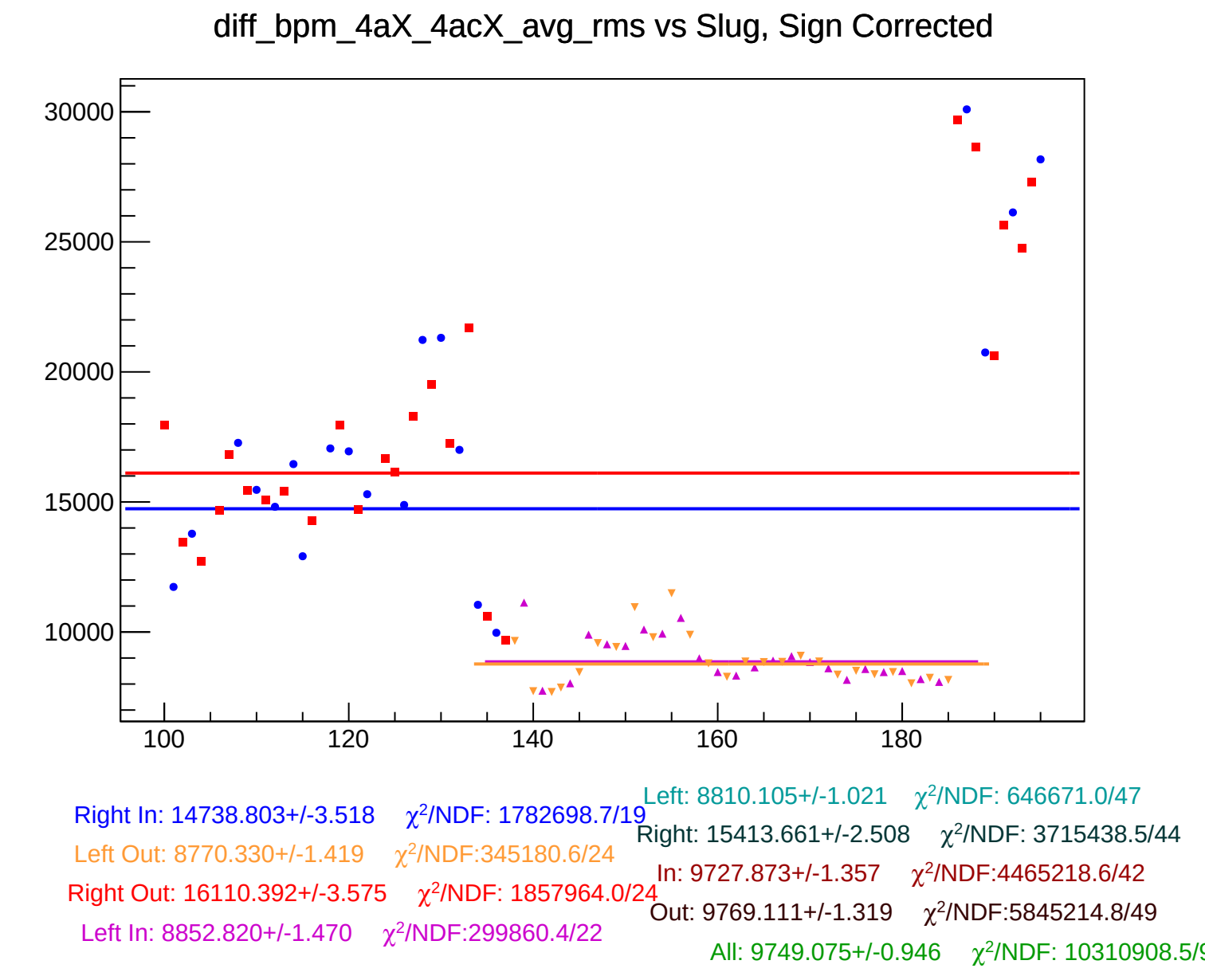
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

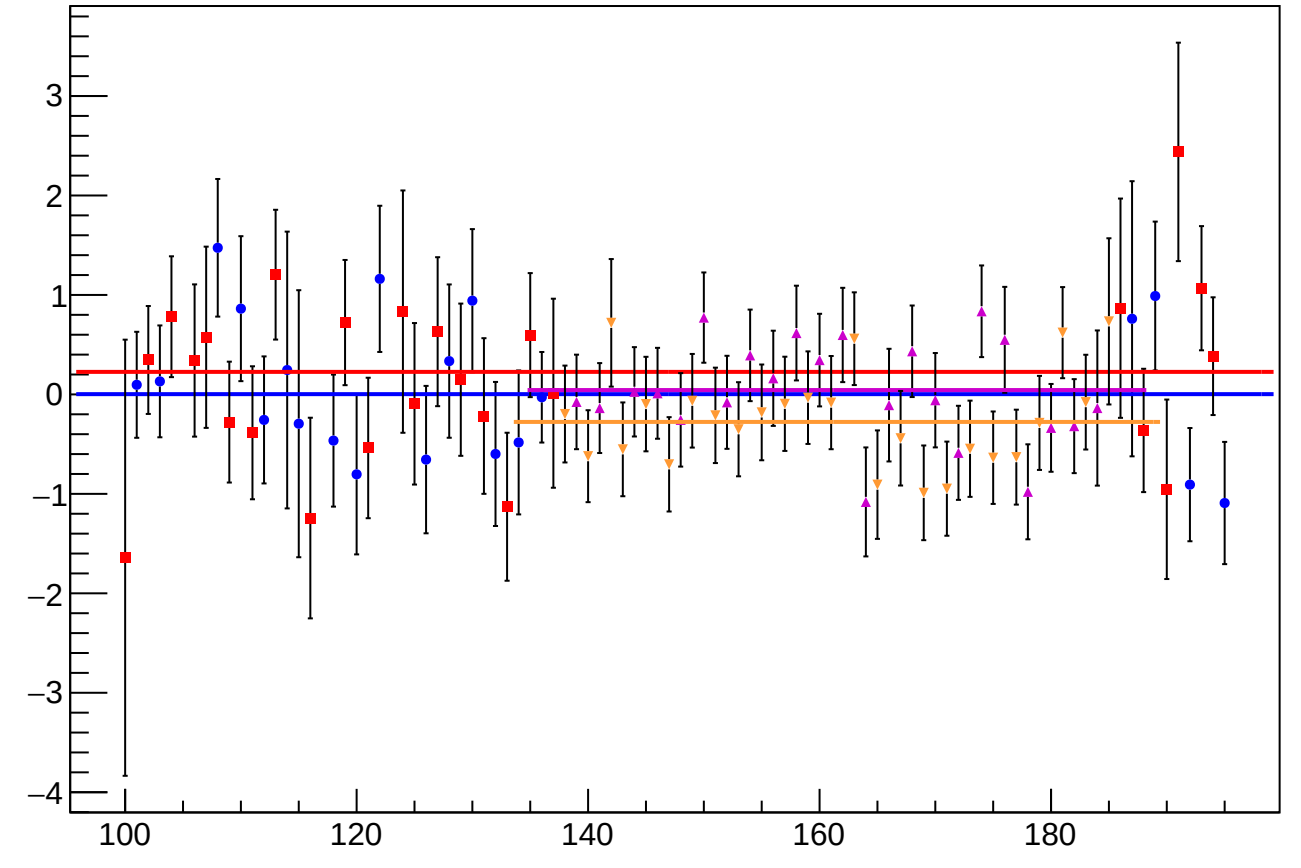
Right: 0.925+/-3.546 χ^2/NDF: 50.3/44

In: -0.882+/-1.918 χ^2/NDF:55.2/42

Out: -6.205+/-1.865 χ^2/NDF:95.7/49

All: -3.619+/-1.337 χ^2/NDF: 154.9/92


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 14738.803+/-3.518 χ²/NDF: 1782698.7/19
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 16110.392+/-3.575 χ²/NDF: 1857964.0/24
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 15413.661+/-2.508 χ²/NDF: 3715438.5/44
In: 9727.873+/-1.357 χ²/NDF:4465218.6/42
Out: 9769.111+/-1.319 χ²/NDF:5845214.8/49
All: 9749.075+/-0.946 χ²/NDF: 10310908.5/9



Right In: 0.003+/-0.154 χ^2/NDF: 21.8/19

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.226+/-0.148 χ^2/NDF: 23.1/24

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

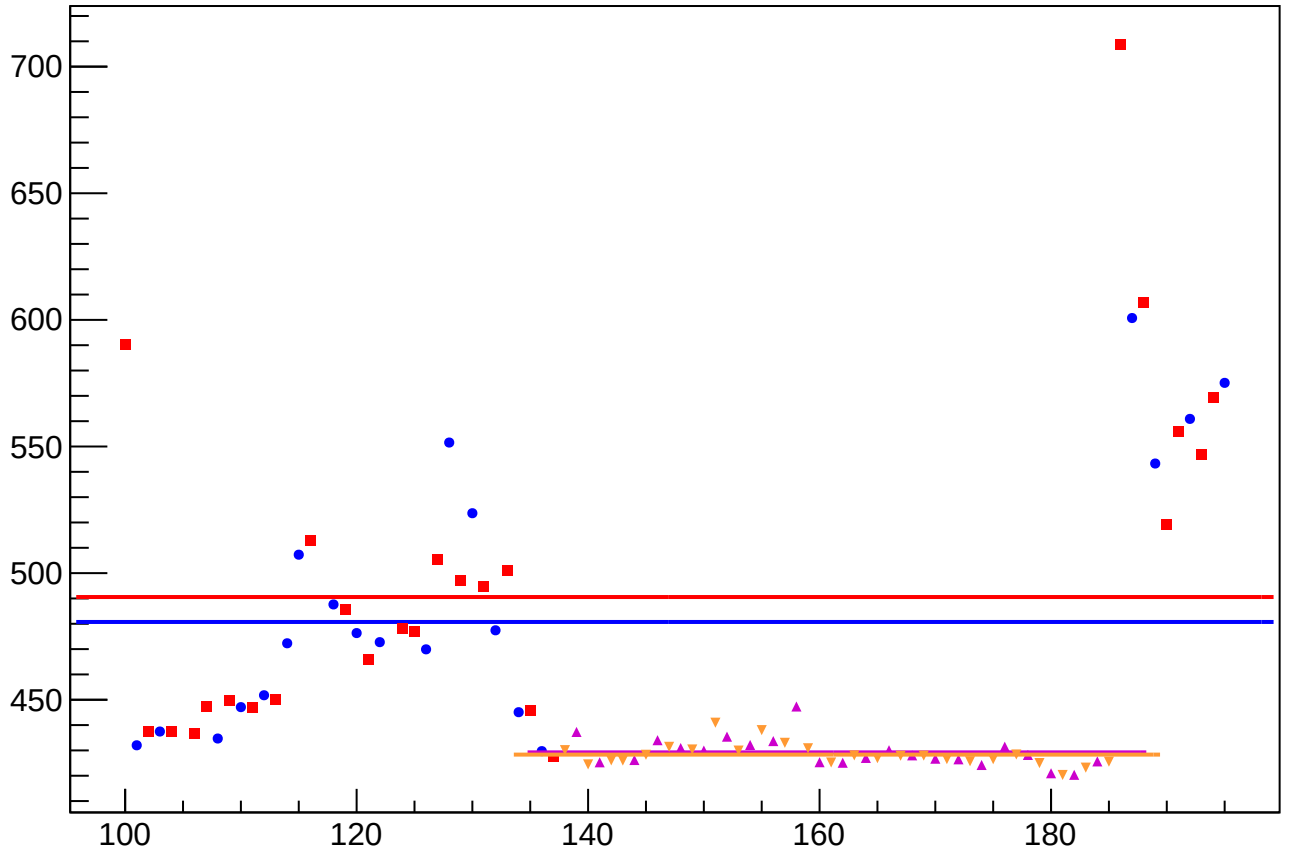
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.119+/-0.107 χ^2/NDF: 46.0/44

In: 0.032+/-0.084 χ^2/NDF:45.7/42

Out: -0.125+/-0.081 χ^2/NDF:52.2/49

All: -0.049+/-0.058 χ^2/NDF: 99.7/92



Right In: 480.718+/-0.109 χ^2/NDF: 217492.0/19

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 490.565+/-0.105 χ^2/NDF: 312295.0/24

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

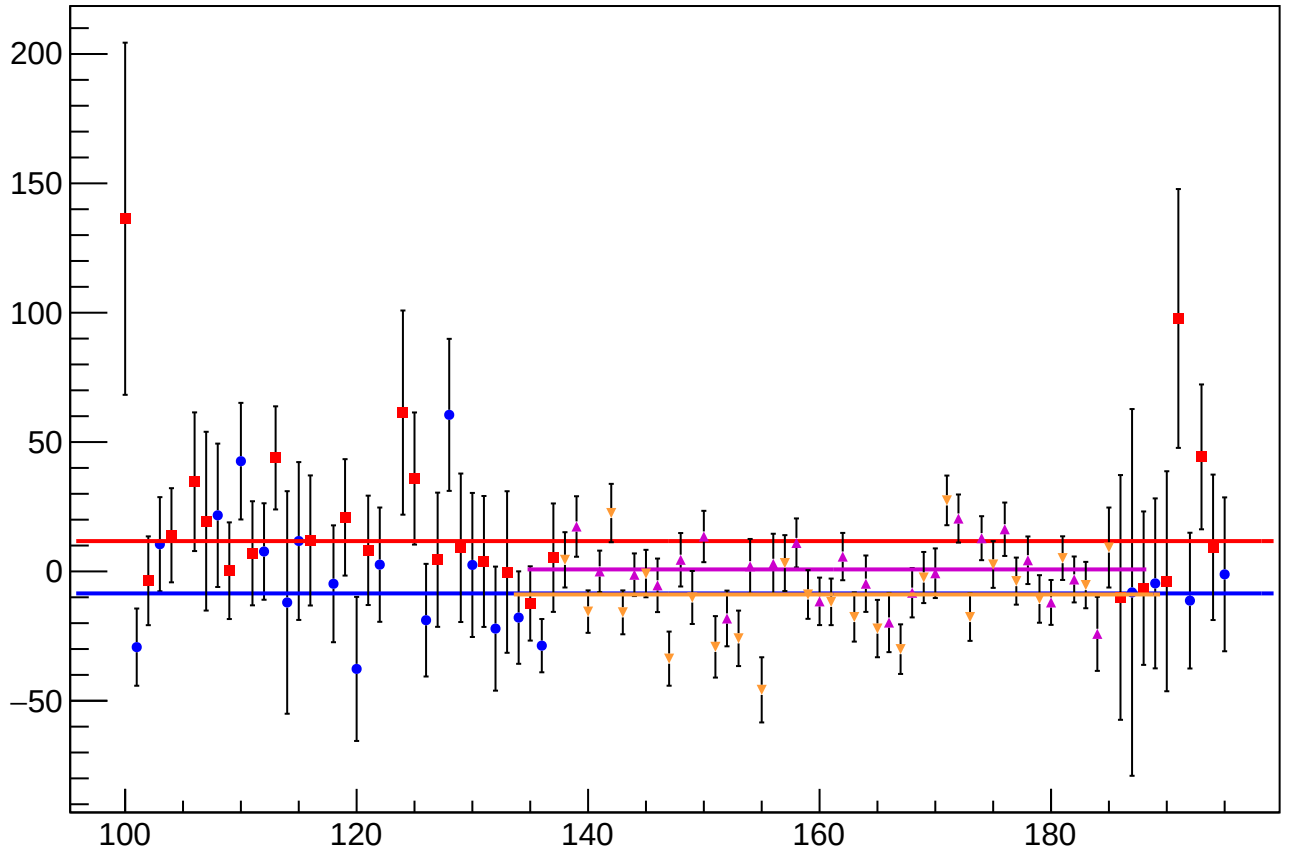
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 485.853+/-0.076 χ^2/NDF: 534031.3/44

In: 444.497+/-0.059 χ^2/NDF:380754.1/42

Out: 447.145+/-0.057 χ^2/NDF:563431.8/49

All: 445.865+/-0.041 χ^2/NDF: 945211.3/92



Right In: -8.505+/-4.814 χ^2/NDF: 22.4/19

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 11.720+/-4.869 χ^2/NDF: 18.9/24

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

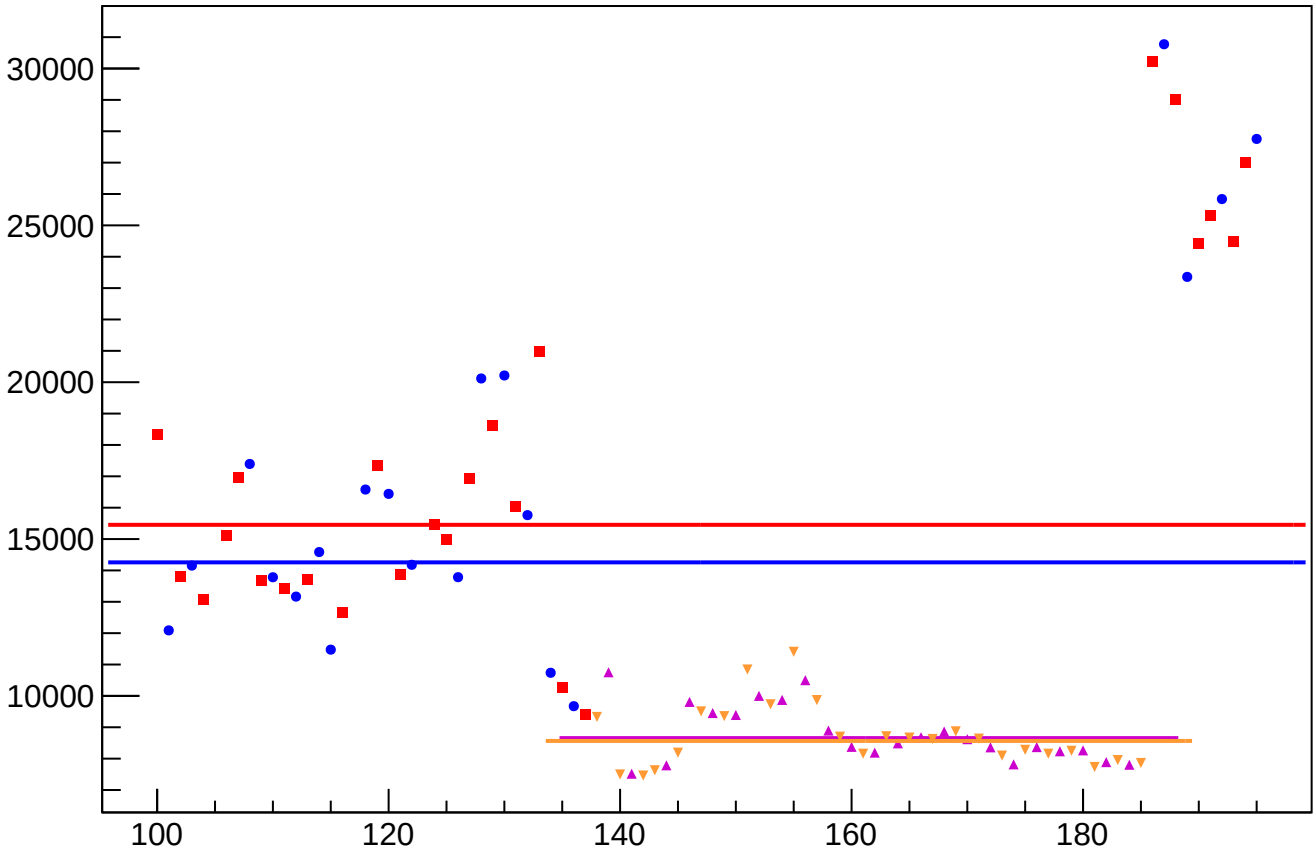
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 1.493+/-3.423 χ^2/NDF: 50.0/44

In: -0.633+/-1.874 χ^2/NDF:54.8/42

Out: -6.026+/-1.819 χ^2/NDF:95.9/49

All: -3.409+/-1.305 χ^2/NDF: 155.0/92



Right In: 14256.621+/-3.404 χ^2/NDF: 1843685.3/19

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 15453.484+/-3.443 χ^2/NDF: 2013576.5/24

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

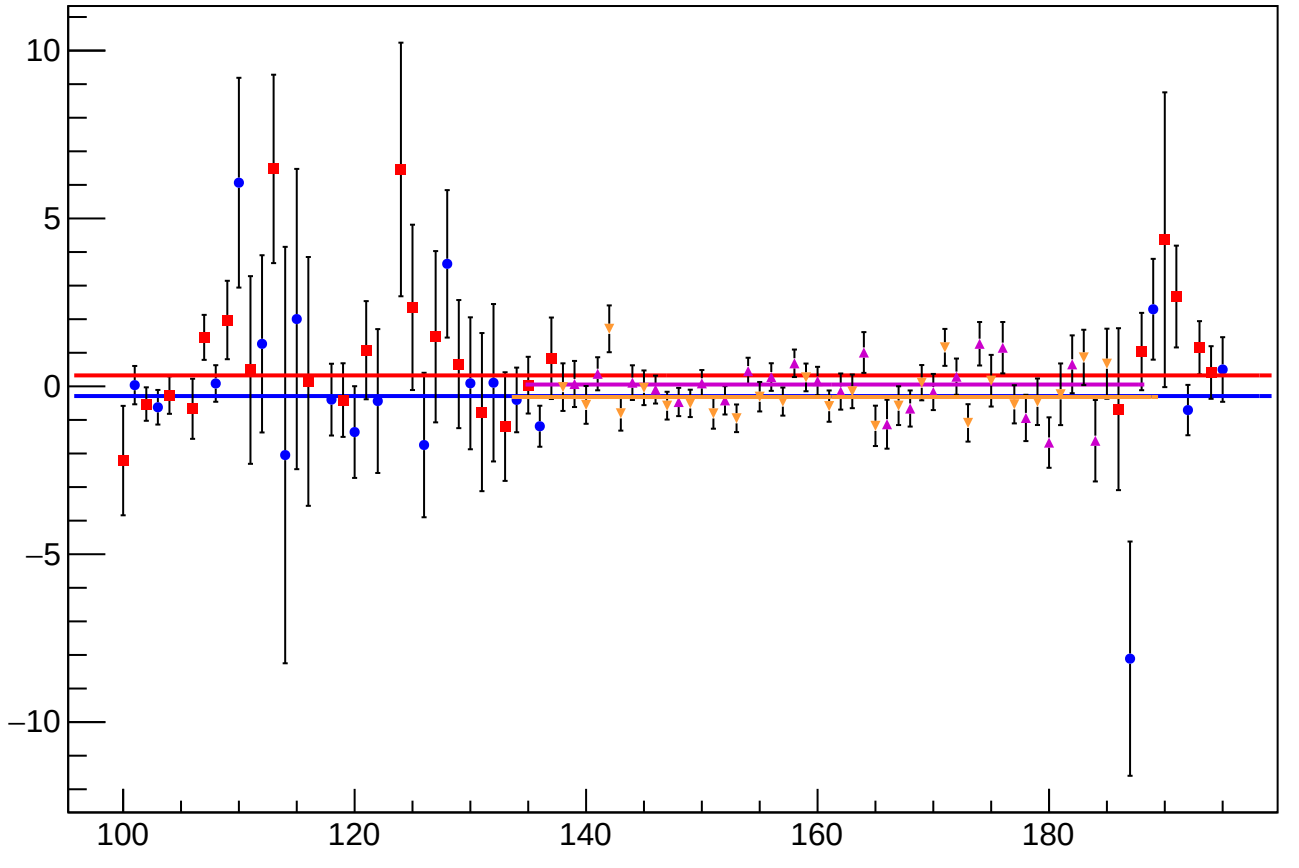
Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

Right: 14848.307+/-2.421 χ^2/NDF: 3918365.9/44

In: 9502.744+/-1.325 χ^2/NDF:4487294.6/42

Out: 9525.782+/-1.286 χ^2/NDF:5859240.1/49

All: 9514.604+/-0.923 χ^2/NDF: 10346690.3/9



Right In: -0.289+/-0.223 χ^2/NDF: 21.6/19

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.326+/-0.216 χ^2/NDF: 27.9/24

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

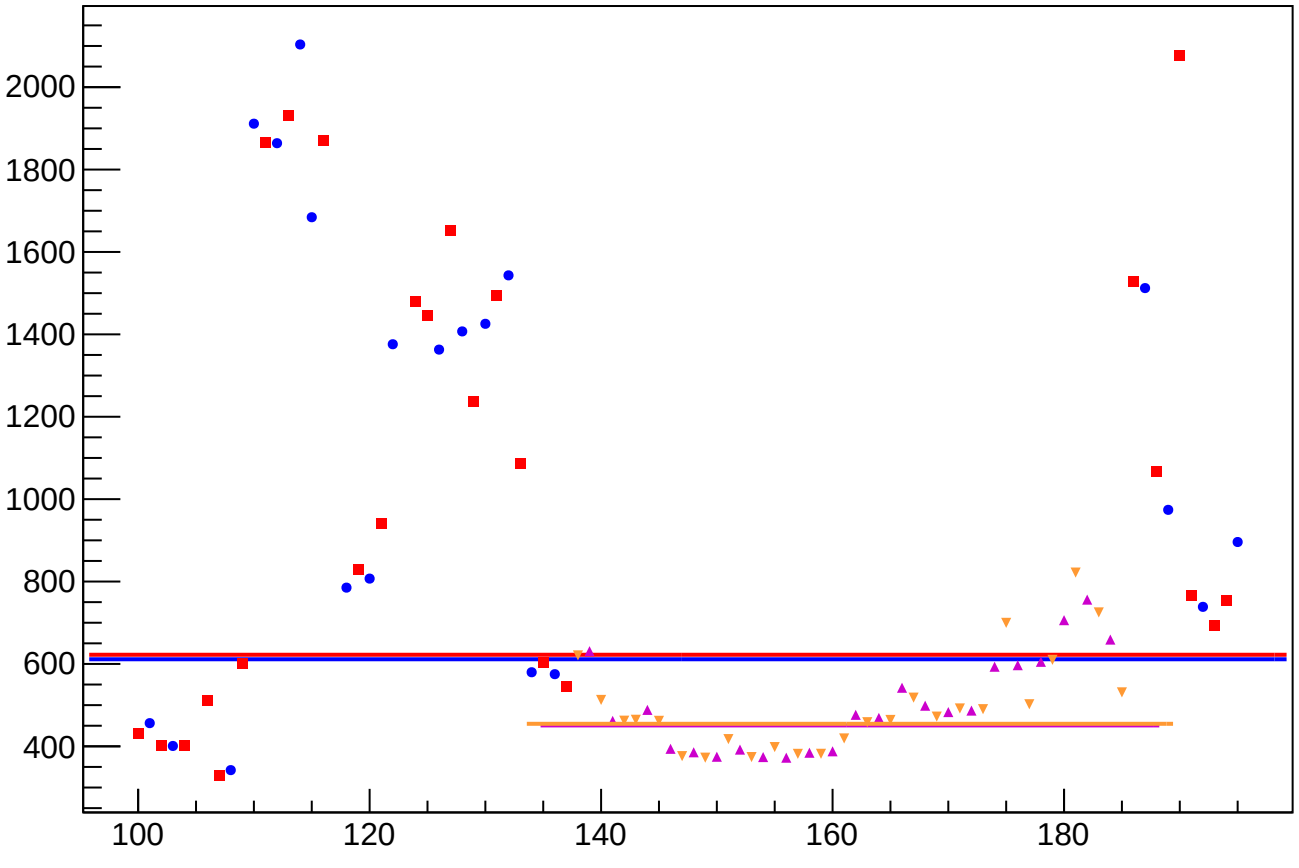
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.027+/-0.155 χ^2/NDF: 53.4/44

In: -0.011+/-0.097 χ^2/NDF:53.3/42

Out: -0.193+/-0.095 χ^2/NDF:67.3/49

All: -0.104+/-0.068 χ^2/NDF: 122.4/92



Right In: 611.335+/-0.157 χ^2/NDF: 4003616.9/19

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 622.292+/-0.153 χ^2/NDF: 4570266.8/24

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

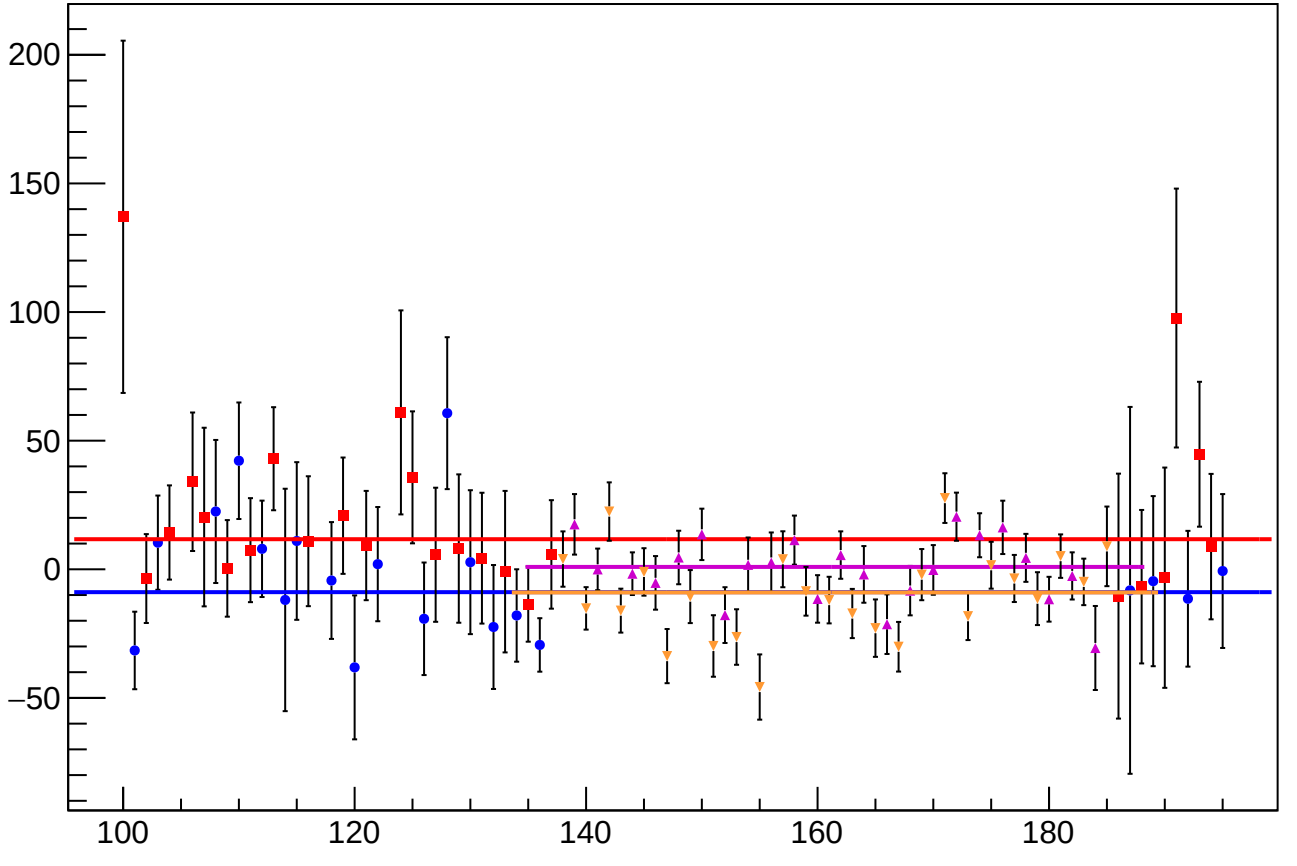
Right: 616.973+/-0.110 χ^2/NDF: 8576375.3/44

In: 481.403+/-0.069 χ^2/NDF:6316437.7/42

Out: 487.145+/-0.067 χ^2/NDF:6990042.9/49

All: 484.337+/-0.048 χ^2/NDF: 13310041.6/92

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -8.885+/-4.846 χ^2/NDF: 22.9/19

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 11.698+/-4.902 χ^2/NDF: 18.8/24

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

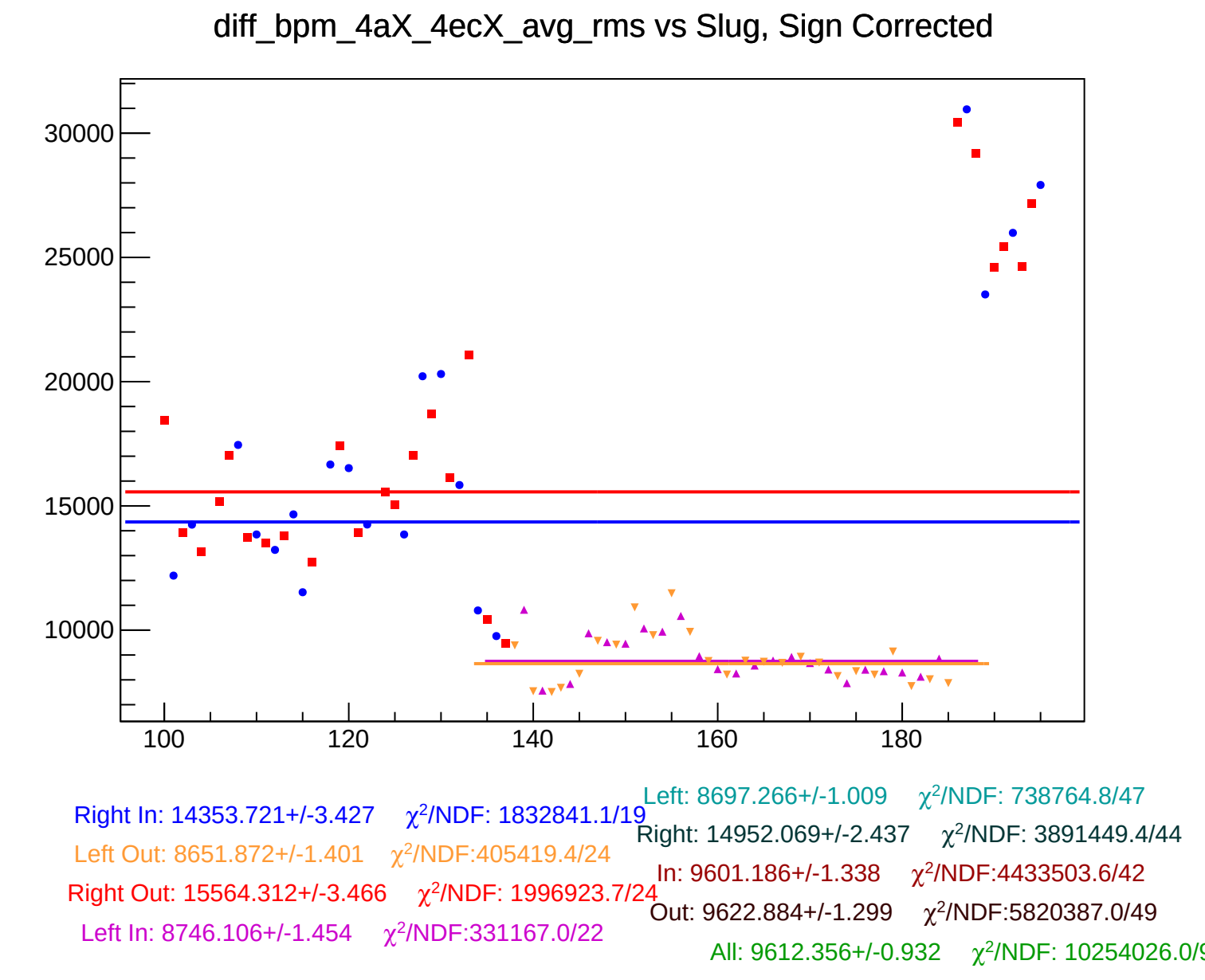
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

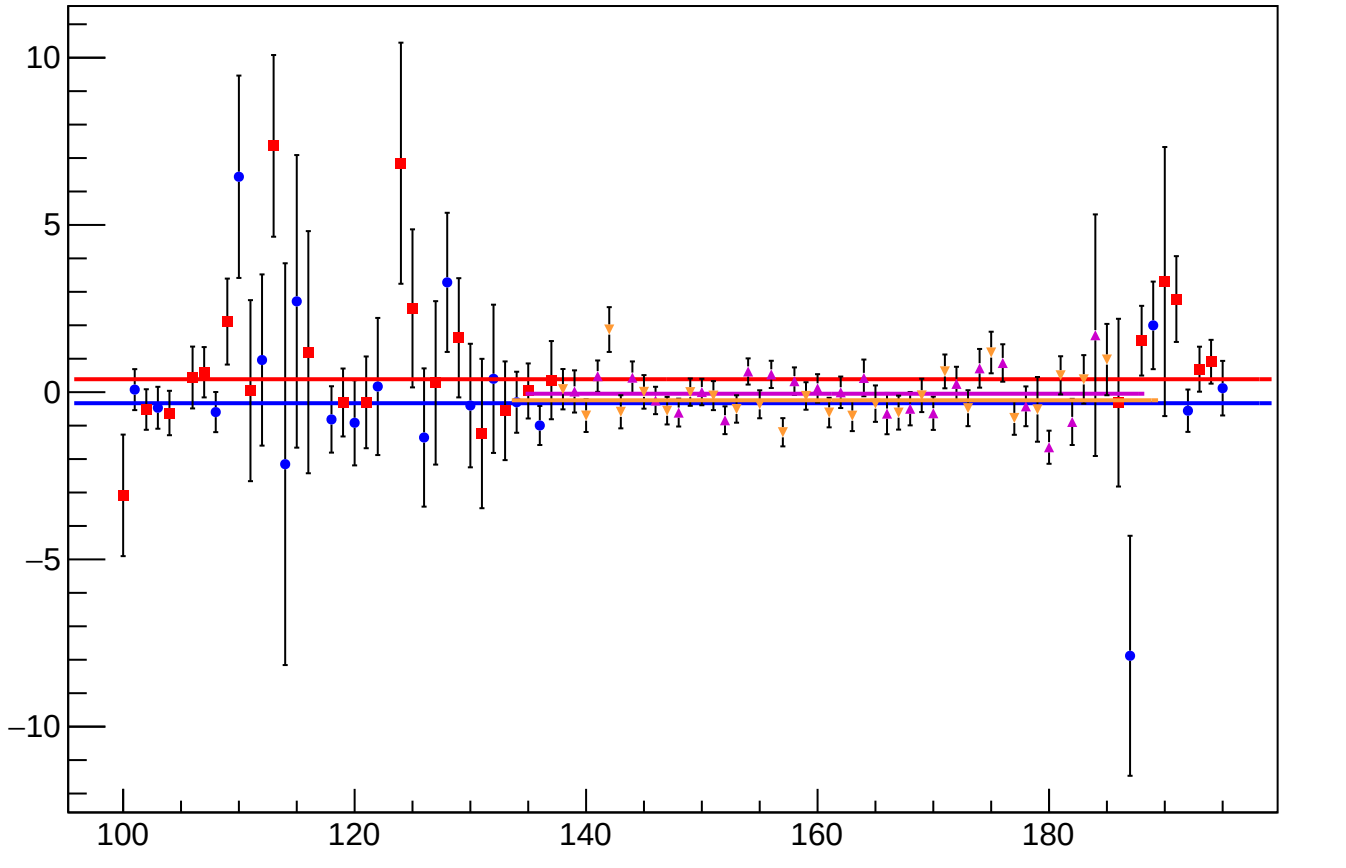
Right: 1.288+/-3.446 χ^2/NDF: 50.5/44

In: -0.571+/-1.892 χ^2/NDF:56.2/42

Out: -6.093+/-1.837 χ^2/NDF:95.3/49

All: -3.413+/-1.318 χ^2/NDF: 155.9/92


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 14353.721+/-3.427 χ²/NDF: 1832841.1/19
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 15564.312+/-3.466 χ²/NDF: 1996923.7/24
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 14952.069+/-2.437 χ²/NDF: 3891449.4/44
In: 9601.186+/-1.338 χ²/NDF:4433503.6/42
Out: 9622.884+/-1.299 χ²/NDF:5820387.0/49
All: 9612.356+/-0.932 χ²/NDF: 10254026.0/9



Right In: -0.330+/-0.224 χ^2/NDF: 19.7/19

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.387+/-0.220 χ^2/NDF: 29.2/24

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

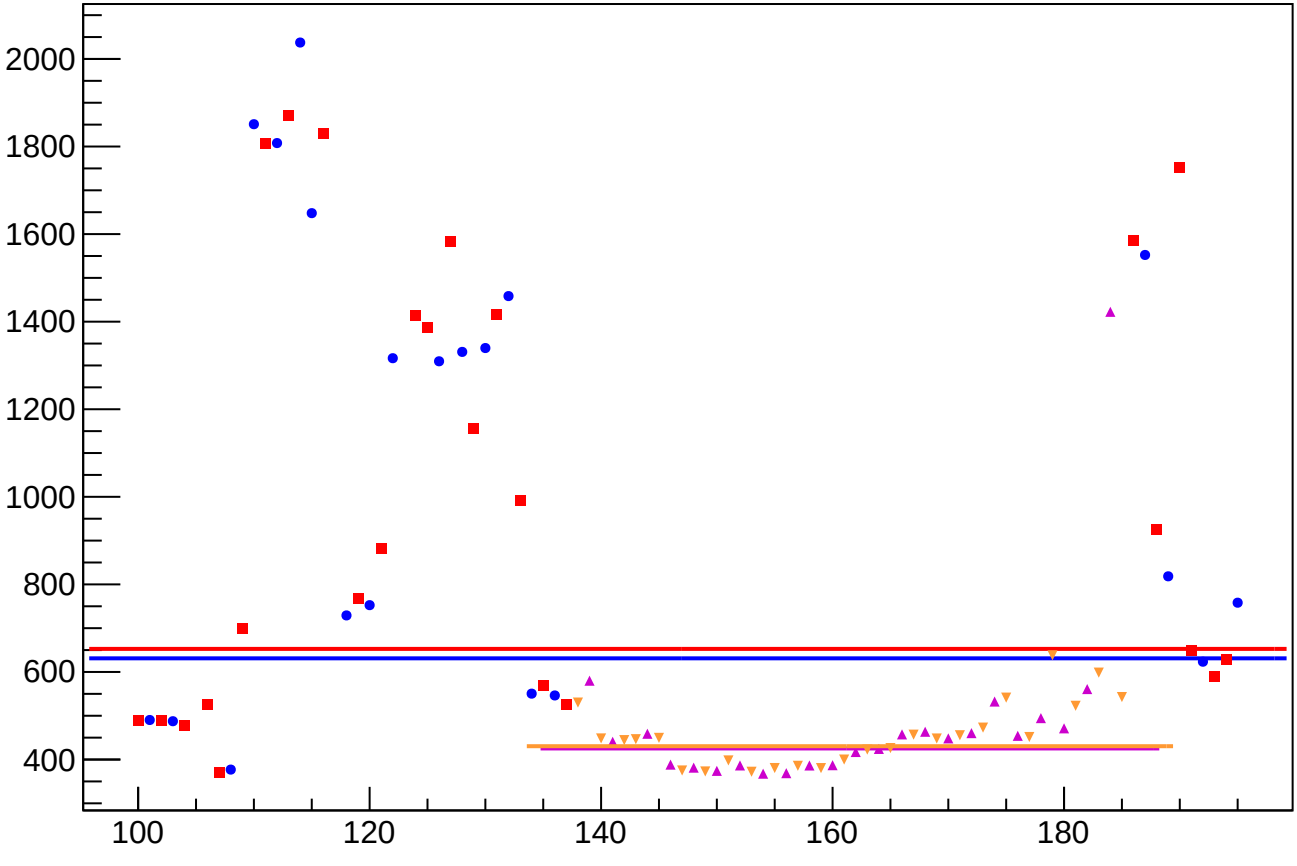
Right: 0.034+/-0.157 χ^2/NDF: 54.2/44

In: -0.095+/-0.093 χ^2/NDF:56.1/42

Out: -0.134+/-0.091 χ^2/NDF:70.3/49

All: -0.115+/-0.065 χ^2/NDF: 126.5/92

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 631.116+/-0.158 χ^2/NDF: 3090598.5/19

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 652.690+/-0.156 χ^2/NDF: 3382879.4/24

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

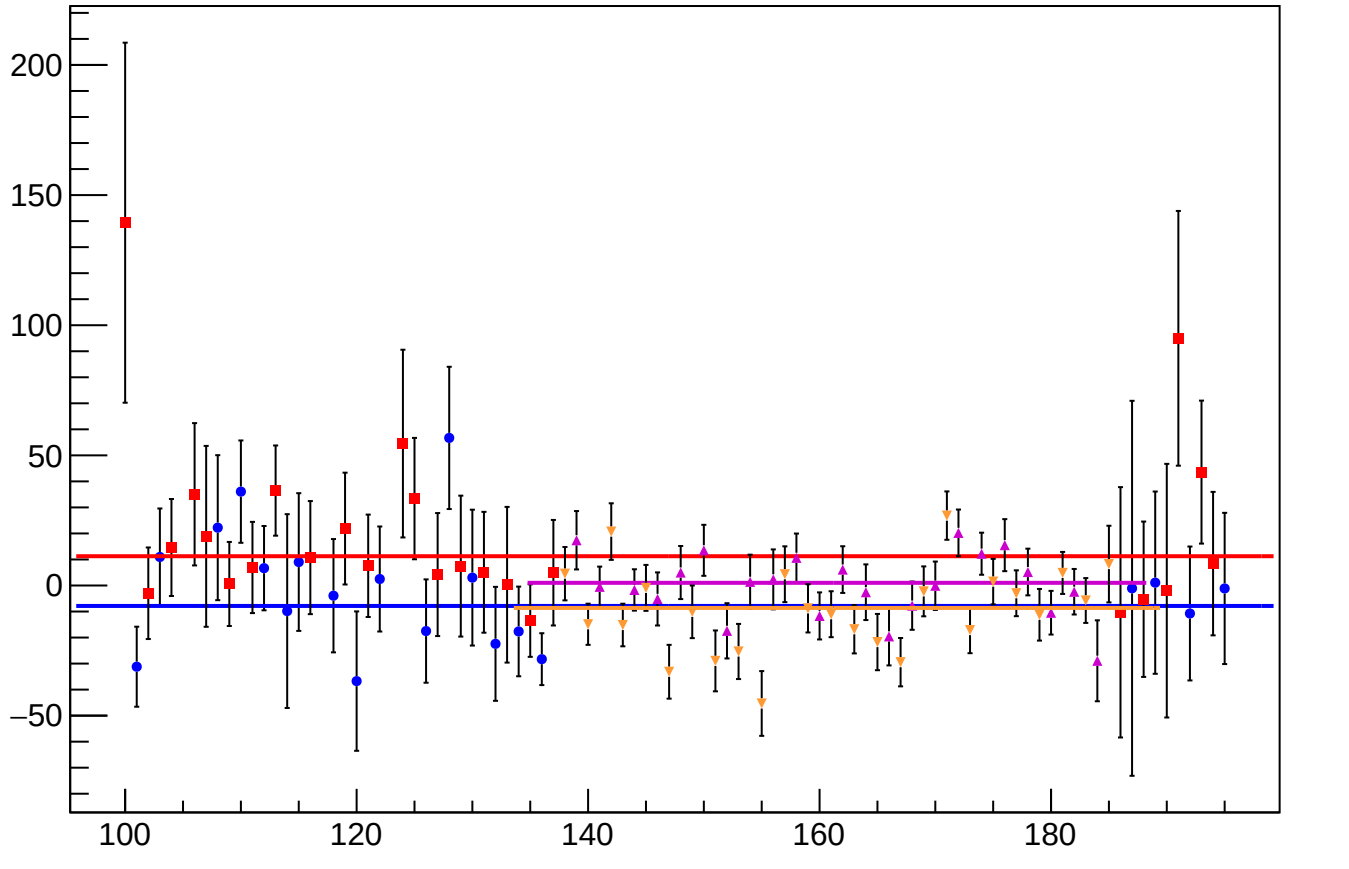
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

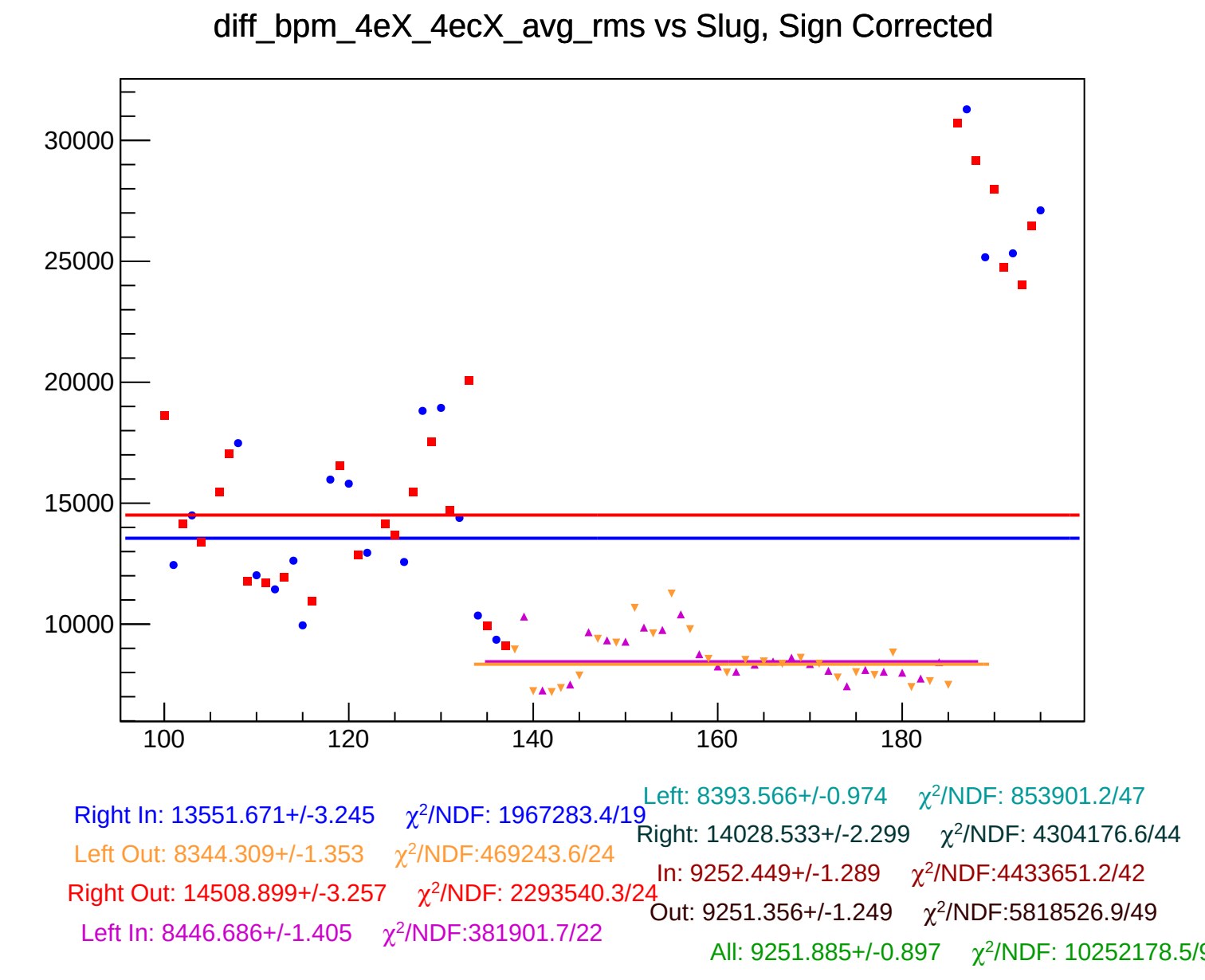
Right: 642.071+/-0.111 χ^2/NDF: 6482910.0/44

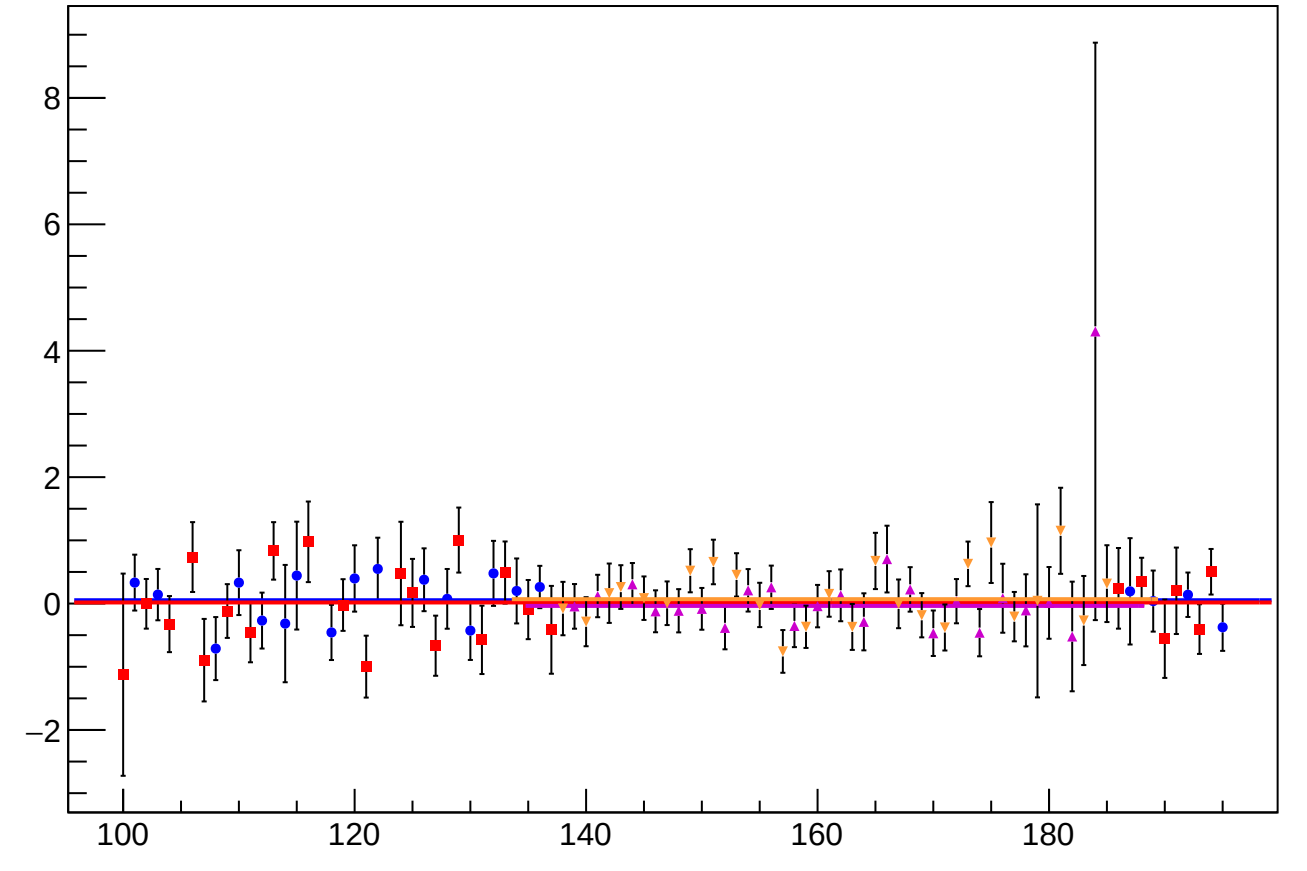
In: 460.453+/-0.065 χ^2/NDF:5209233.6/42

Out: 468.511+/-0.065 χ^2/NDF:5716316.1/49

All: 464.538+/-0.046 χ^2/NDF: 10933242.4/92


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
Right In: -7.854+/-4.589 χ²/NDF: 23.3/19
Left Out: -8.623+/-1.913 χ²/NDF:61.6/24
Right Out: 11.252+/-4.606 χ²/NDF: 18.6/24
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 1.664+/-3.251 χ²/NDF: 50.5/44
In: -0.375+/-1.823 χ²/NDF:56.2/42
Out: -5.698+/-1.767 χ²/NDF:96.1/49
All: -3.120+/-1.269 χ²/NDF: 156.7/92


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13551.671+/-3.245 χ²/NDF: 1967283.4/19
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 14508.899+/-3.257 χ²/NDF: 2293540.3/24
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 14028.533+/-2.299 χ²/NDF: 4304176.6/44
In: 9252.449+/-1.289 χ²/NDF:4433651.2/42
Out: 9251.356+/-1.249 χ²/NDF:5818526.9/49
All: 9251.885+/-0.897 χ²/NDF: 10252178.5/9



Right In: 0.053+/-0.105 χ^2/NDF: 10.8/19

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.017+/-0.100 χ^2/NDF: 29.2/24

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

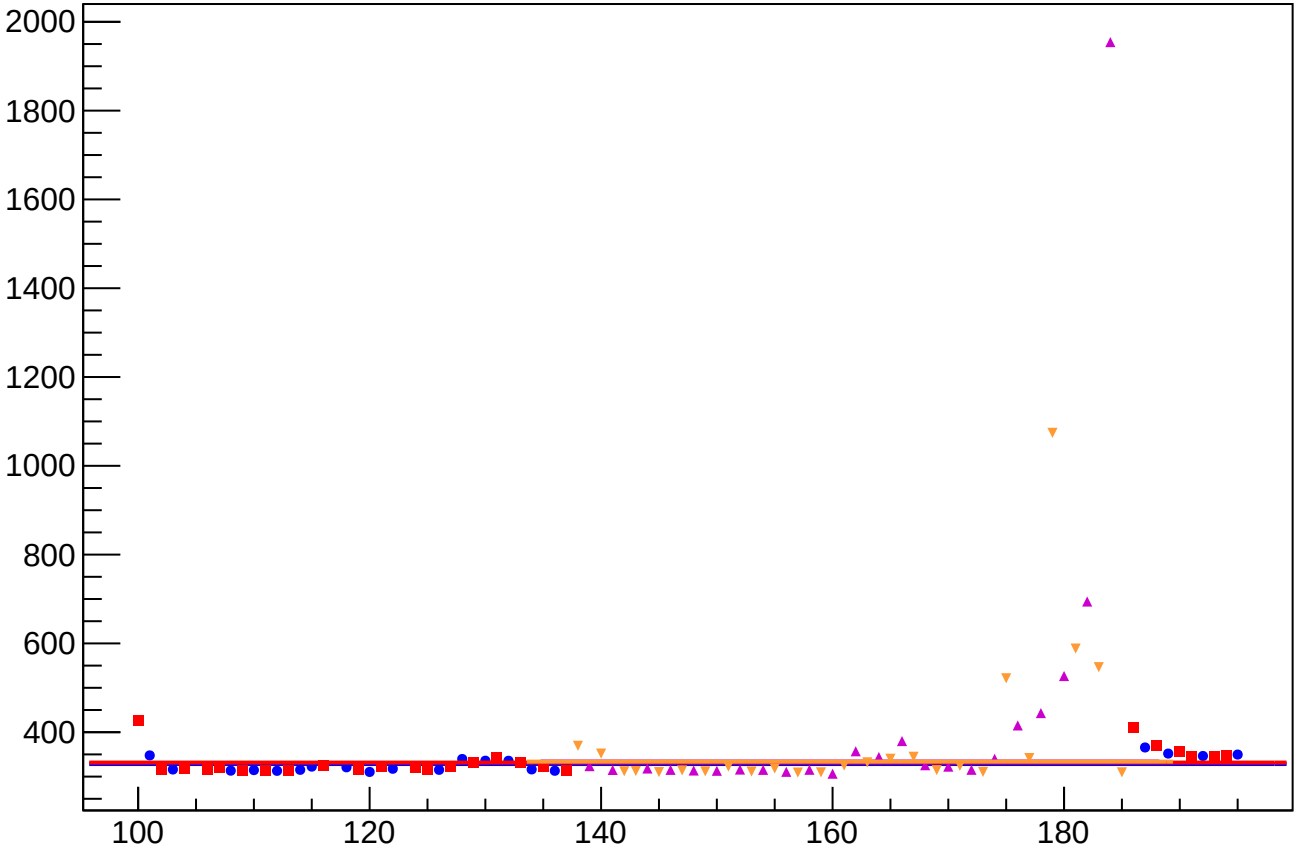
Right: 0.034+/-0.072 χ^2/NDF: 40.1/44

In: -0.004+/-0.064 χ^2/NDF:23.0/42

Out: 0.049+/-0.062 χ^2/NDF:57.6/49

All: 0.024+/-0.045 χ^2/NDF: 80.9/92

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 328.285+/-0.074 χ^2/NDF: 44782.6/19

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 331.599+/-0.070 χ^2/NDF: 93814.1/24

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

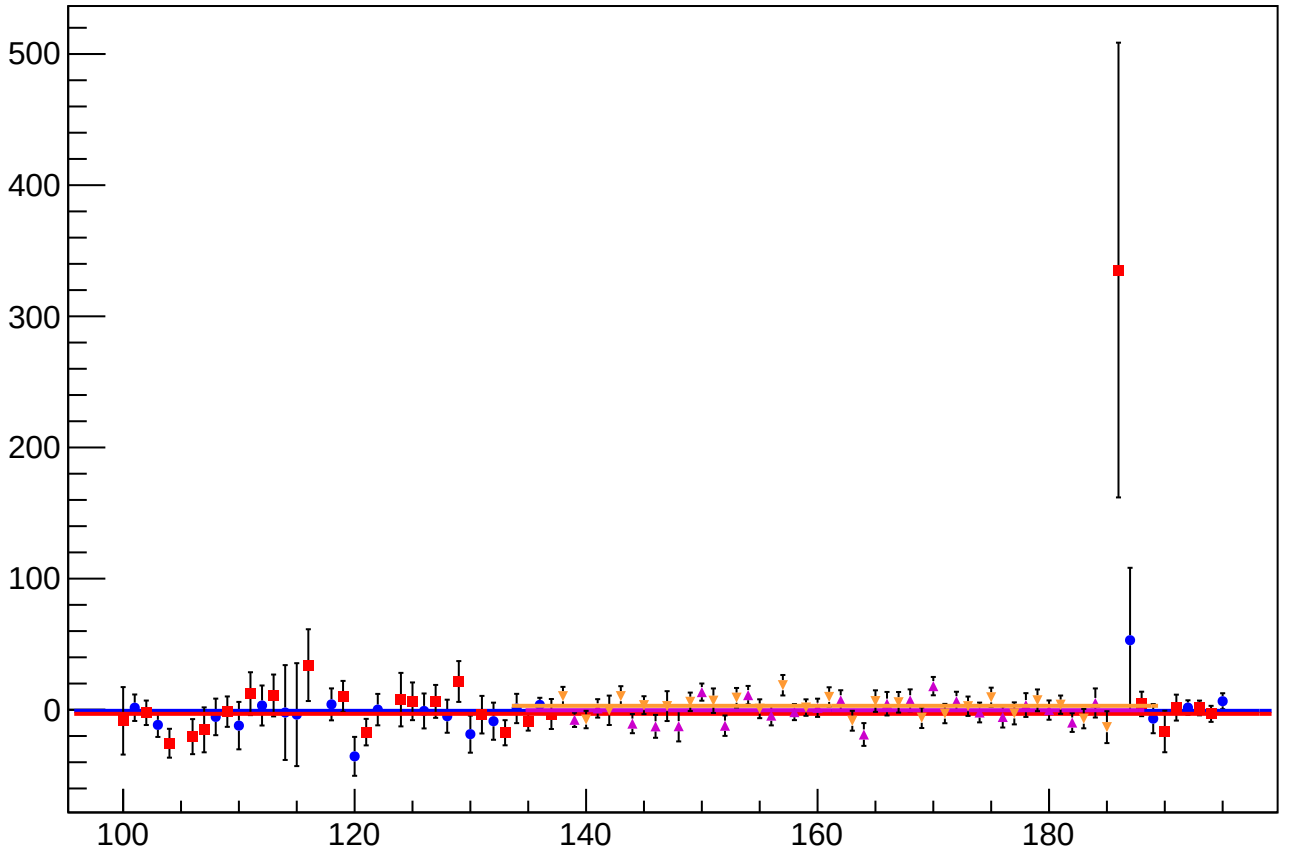
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 330.034+/-0.051 χ^2/NDF: 139641.9/44

In: 331.865+/-0.045 χ^2/NDF:1099444.5/42

Out: 332.939+/-0.044 χ^2/NDF:1311661.4/49

All: 332.421+/-0.032 χ^2/NDF: 2411396.1/92



Right In: -0.810+/-2.319 χ^2/NDF: 13.3/19

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.094+/-2.184 χ^2/NDF: 25.9/24

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

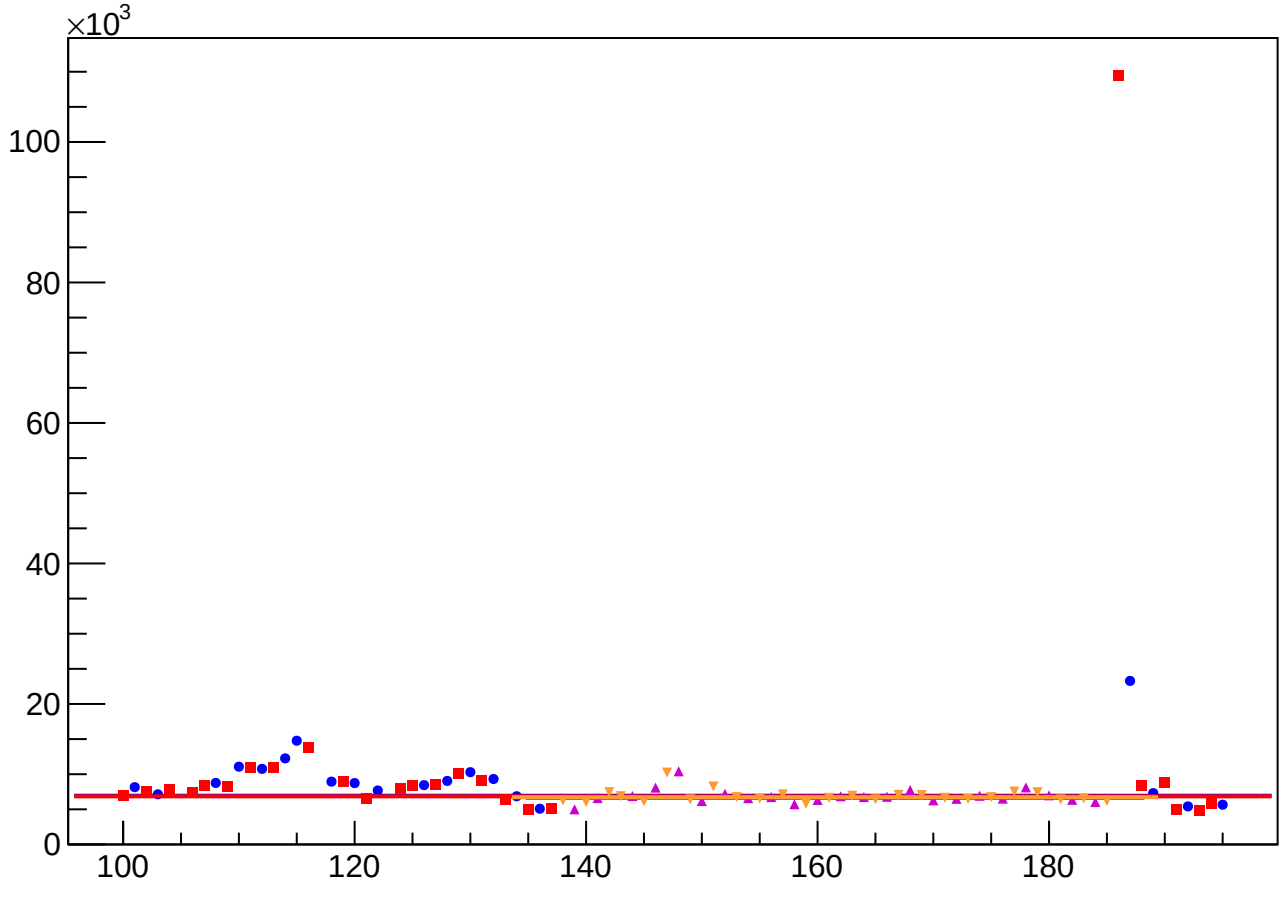
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.020+/-1.590 χ^2/NDF: 39.7/44

In: -0.495+/-1.299 χ^2/NDF:47.1/42

Out: 0.989+/-1.259 χ^2/NDF:51.5/49

All: 0.270+/-0.904 χ^2/NDF: 99.2/92



Right In: 6934.614+/-1.640 χ^2/NDF: 1409364.7/19

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6847.702+/-1.544 χ^2/NDF: 2074961.2/24

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

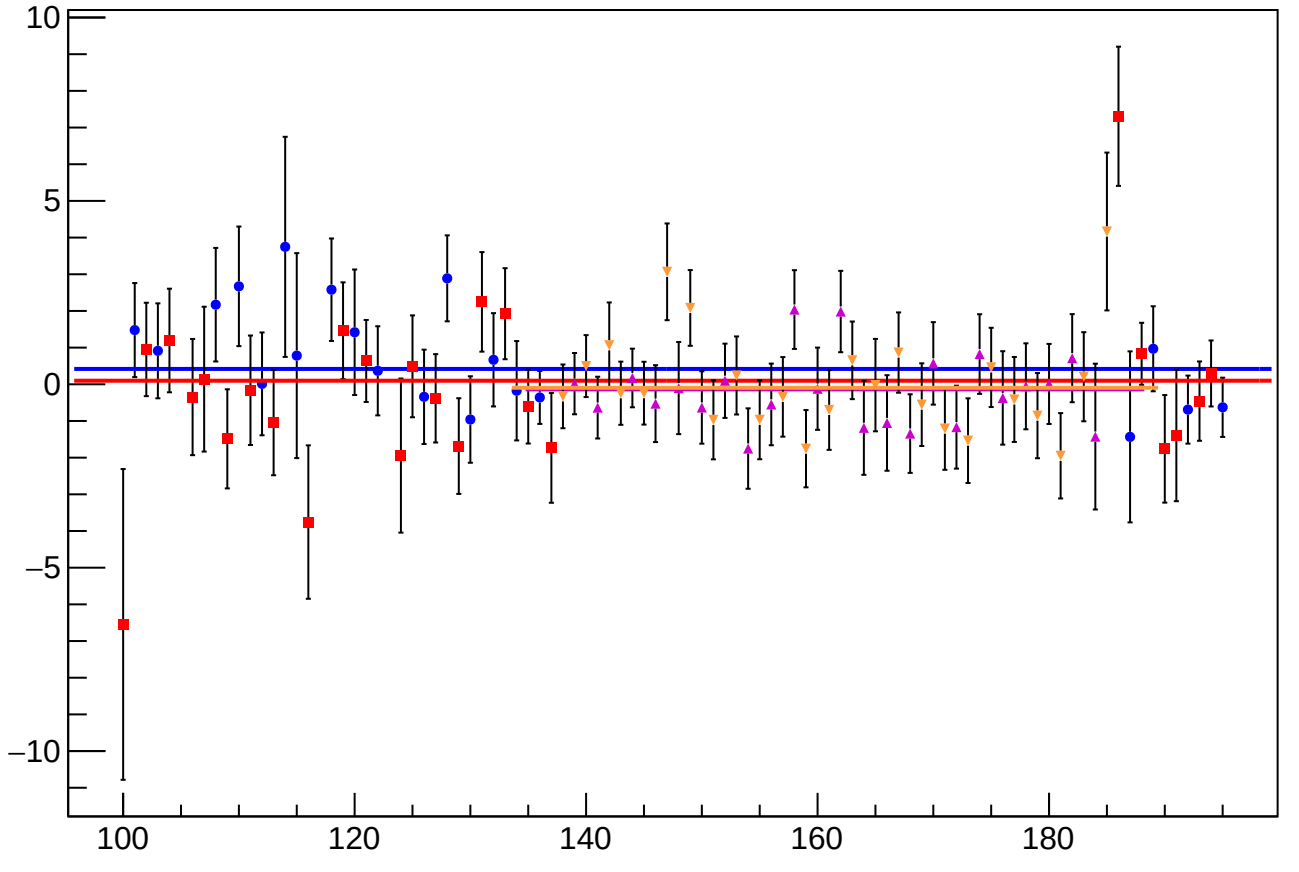
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6888.554+/-1.124 χ^2/NDF: 3485814.6/44

In: 6727.460+/-0.919 χ^2/NDF:2062111.0/42

Out: 6764.458+/-0.891 χ^2/NDF:2482631.7/49

All: 6746.532+/-0.639 χ^2/NDF: 4545578.8/92



Right In: 0.419+/-0.277 χ^2/NDF: 19.6/19

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.098+/-0.266 χ^2/NDF: 37.8/24

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

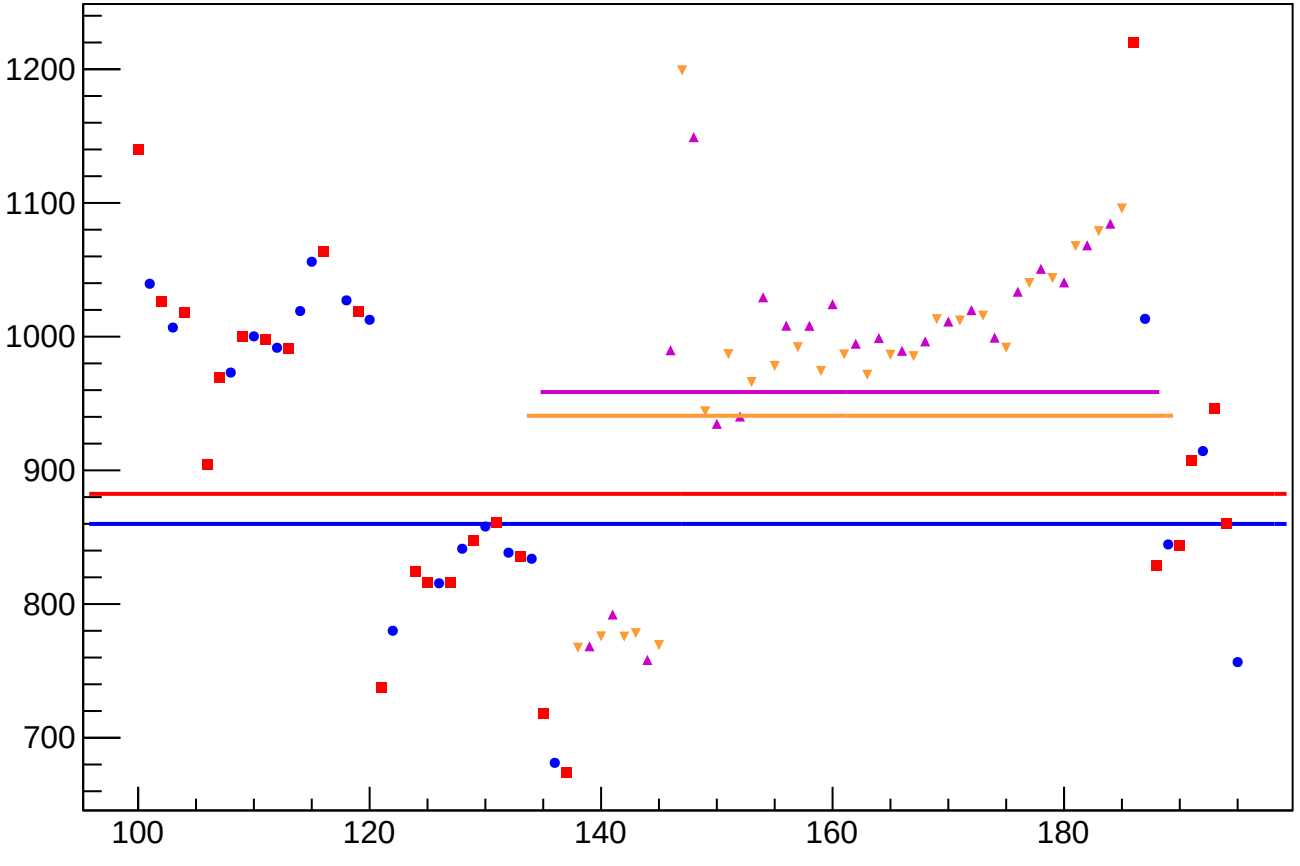
Right: 0.252+/-0.192 χ^2/NDF: 58.1/44

In: 0.084+/-0.175 χ^2/NDF:38.5/42

Out: -0.018+/-0.167 χ^2/NDF:65.5/49

All: 0.030+/-0.121 χ^2/NDF: 104.2/92

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 859.933+/-0.196 χ^2/NDF: 352350.0/19

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 882.422+/-0.188 χ^2/NDF: 354172.1/24

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

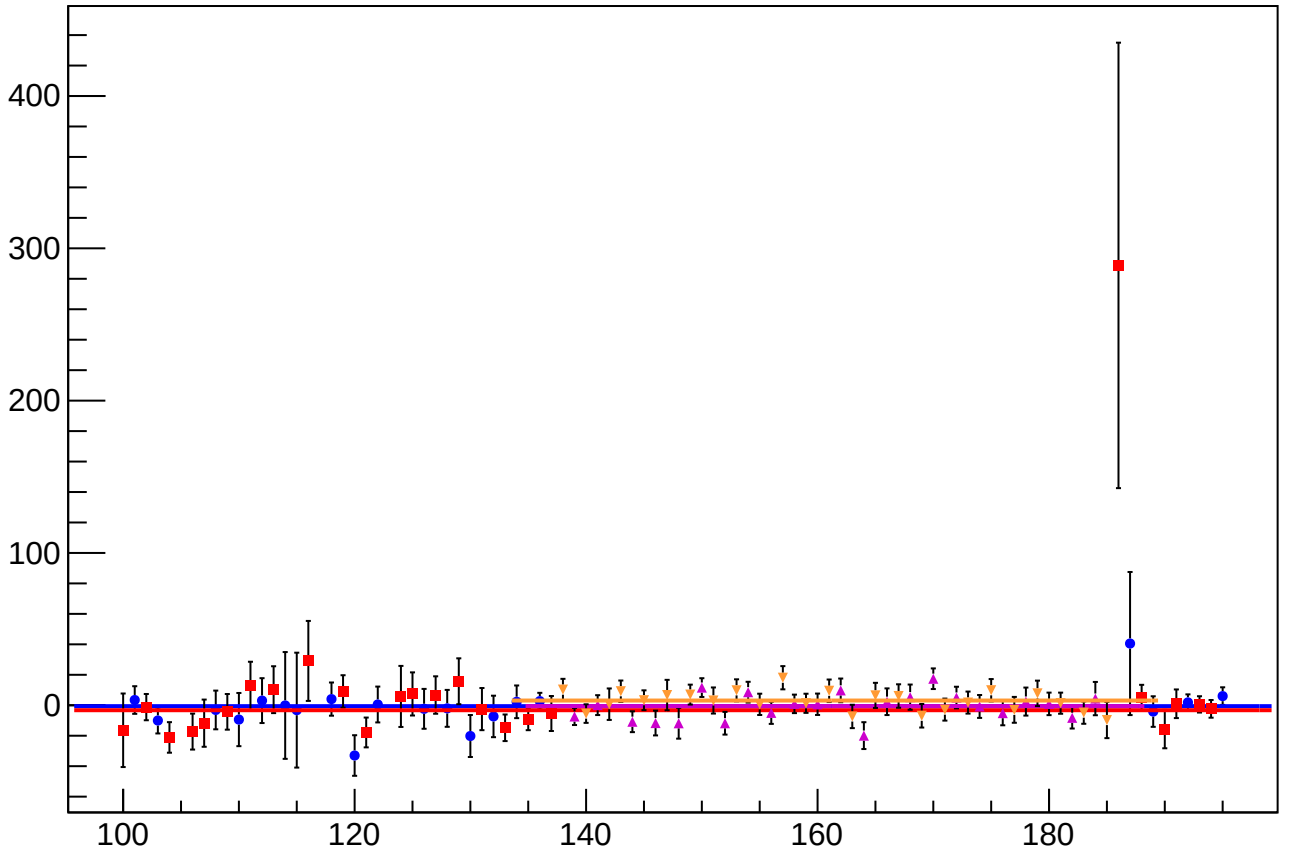
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 871.623+/-0.136 χ^2/NDF: 713376.1/44

In: 919.288+/-0.124 χ^2/NDF:961828.0/42

Out: 917.732+/-0.118 χ^2/NDF:981164.2/49

All: 918.477+/-0.085 χ^2/NDF: 1943074.8/92



Right In: -0.593+/-2.210 χ^2/NDF: 13.0/19

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.252+/-2.066 χ^2/NDF: 24.4/24

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

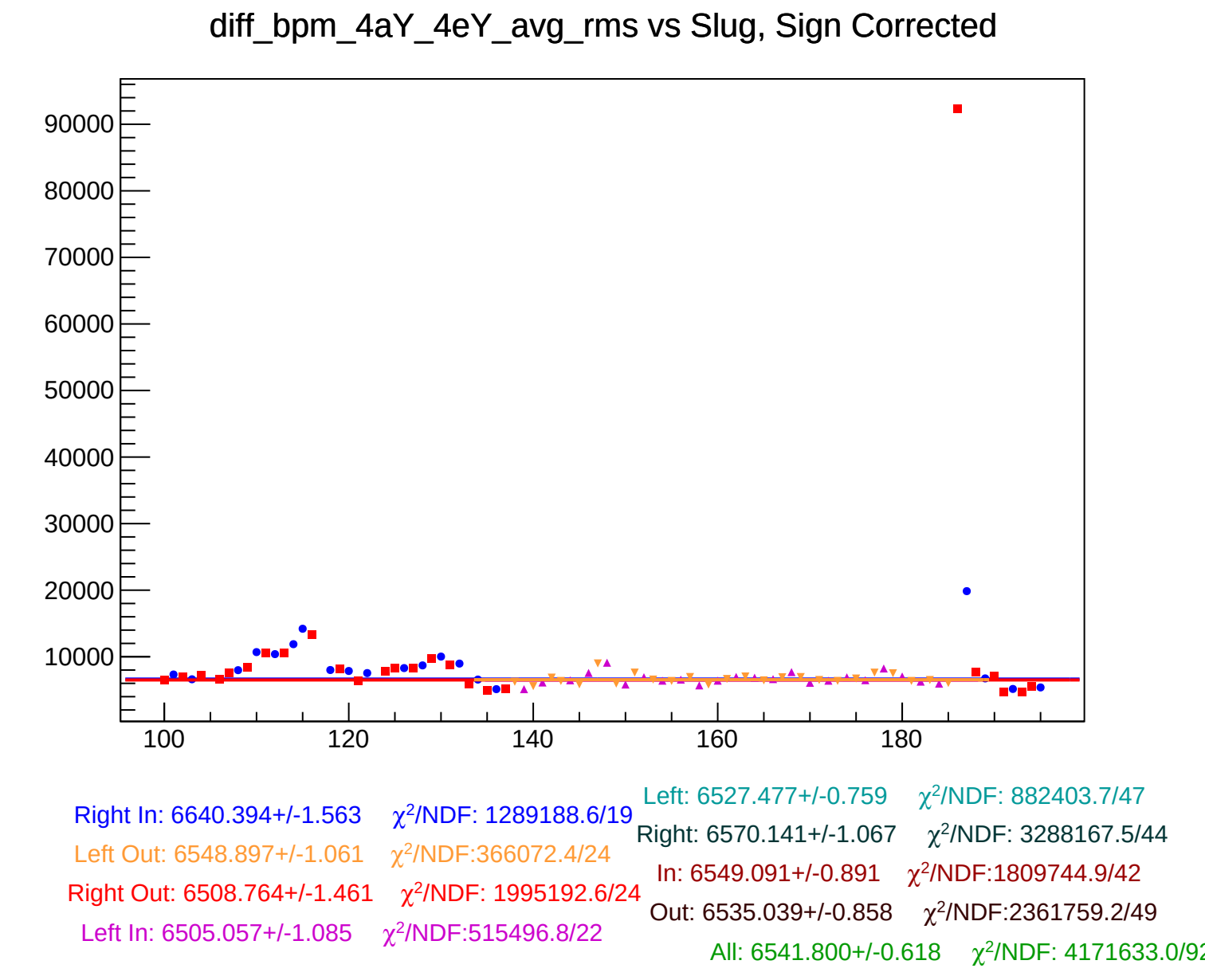
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

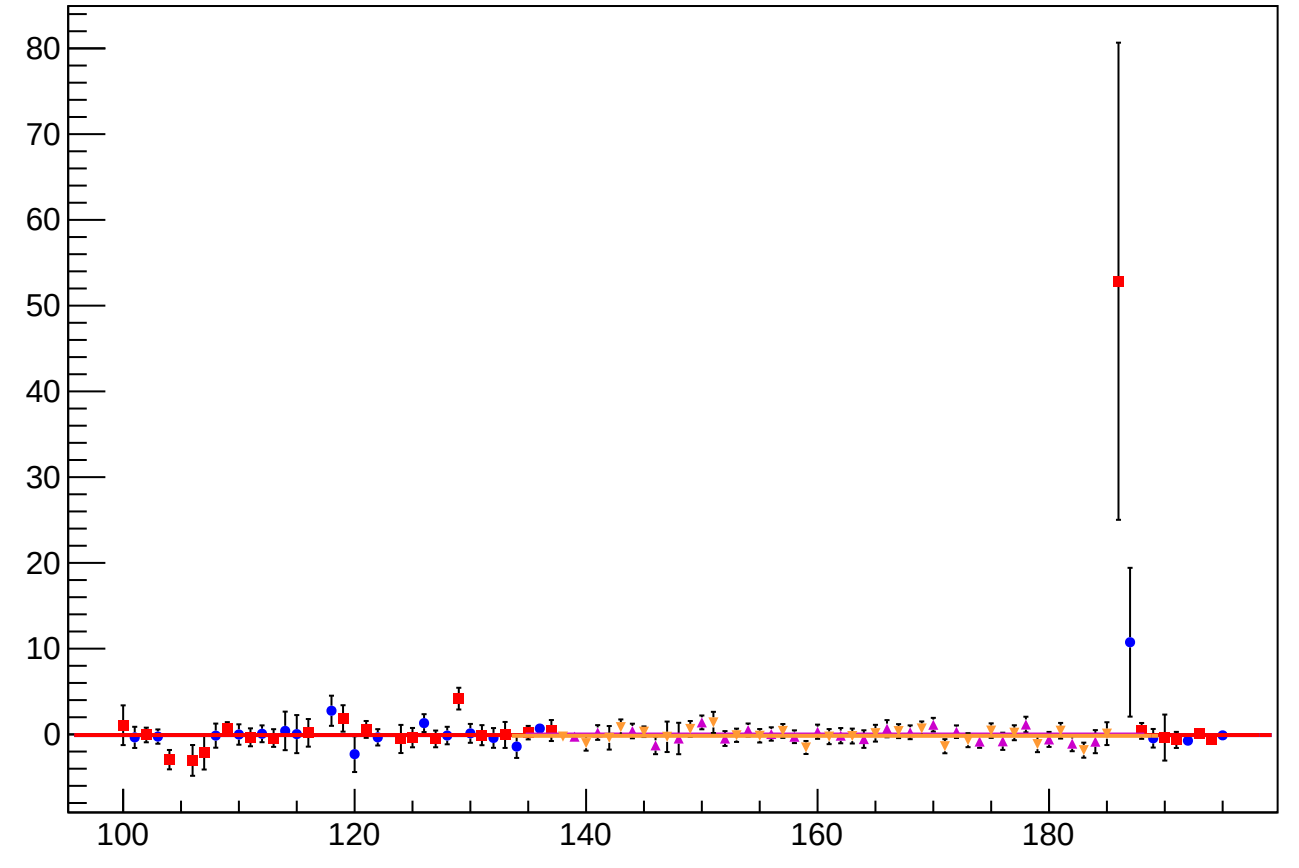
Right: -2.012+/-1.509 χ^2/NDF: 38.2/44

In: -0.543+/-1.261 χ^2/NDF:45.1/42

Out: 0.906+/-1.214 χ^2/NDF:49.2/49

All: 0.209+/-0.874 χ^2/NDF: 94.9/92


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
90000
80000
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
Right In: 6640.394+/-1.563 χ²/NDF: 1289188.6/19
Left Out: 6548.897+/-1.061 χ²/NDF:366072.4/24
Right Out: 6508.764+/-1.461 χ²/NDF: 1995192.6/24
Left In: 6505.057+/-1.085 χ²/NDF:515496.8/22
Left: 6527.477+/-0.759 χ²/NDF: 882403.7/47
Right: 6570.141+/-1.067 χ²/NDF: 3288167.5/44
In: 6549.091+/-0.891 χ²/NDF:1809744.9/42
Out: 6535.039+/-0.858 χ²/NDF:2361759.2/49
All: 6541.800+/-0.618 χ²/NDF: 4171633.0/92



Right In: -0.077+/-0.217 χ^2/NDF: 11.8/19

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.076+/-0.207 χ^2/NDF: 30.8/24

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

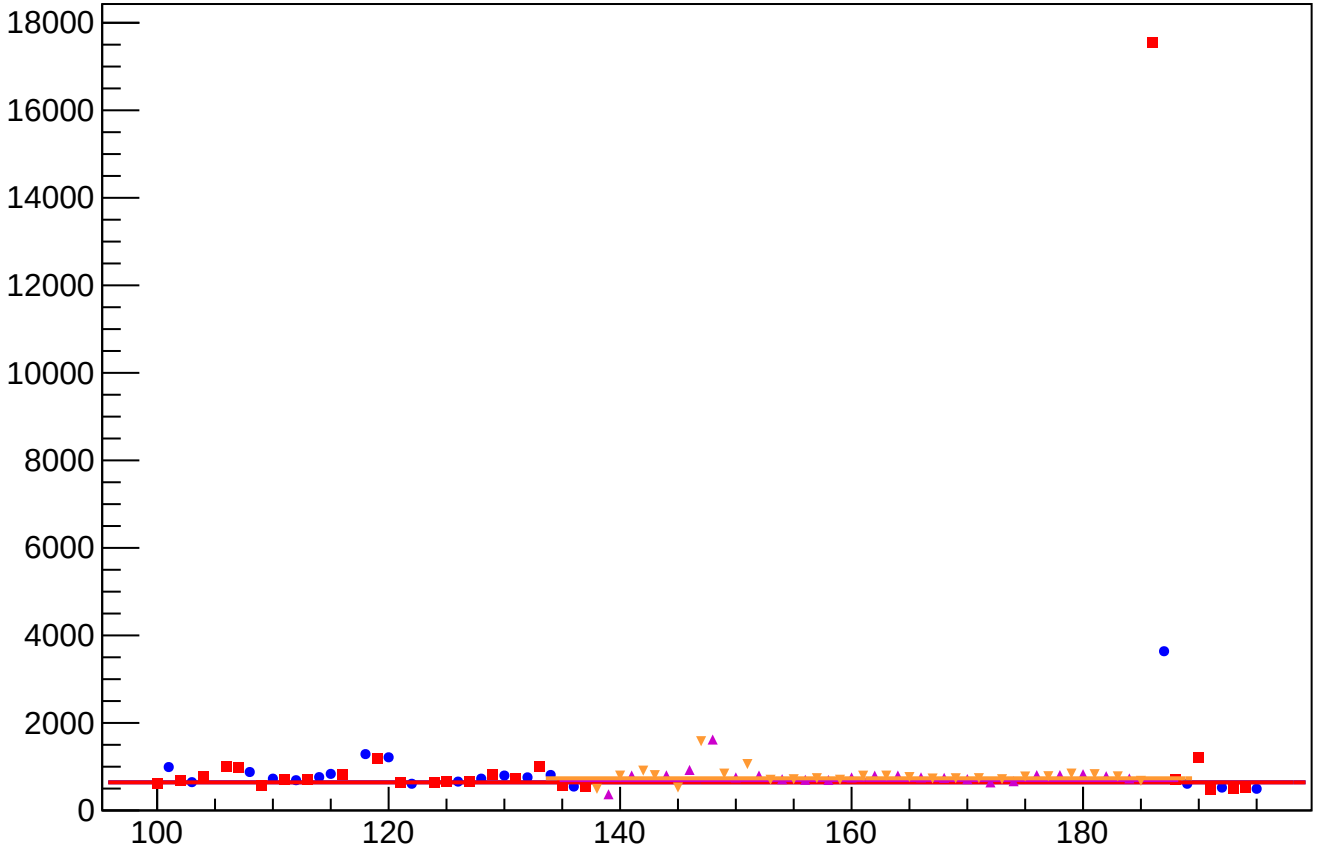
Right: -0.077+/-0.150 χ^2/NDF: 42.6/44

In: -0.040+/-0.133 χ^2/NDF:27.1/42

Out: -0.127+/-0.132 χ^2/NDF:49.8/49

All: -0.084+/-0.094 χ^2/NDF: 77.1/92

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 643.685+/-0.153 χ^2/NDF: 1328855.7/19

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 641.533+/-0.146 χ^2/NDF: 1792334.5/24

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

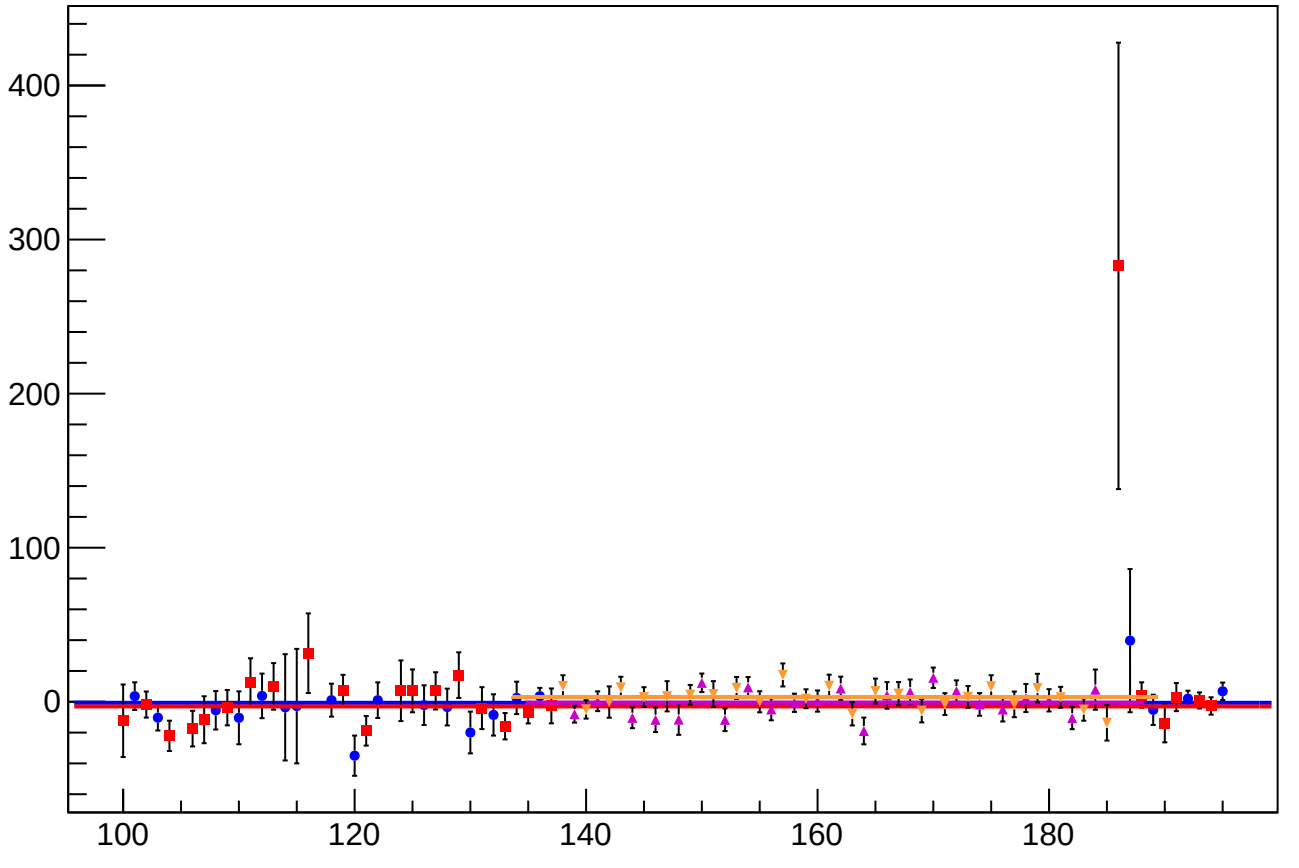
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 642.561+/-0.106 χ^2/NDF: 3121293.3/44

In: 675.049+/-0.094 χ^2/NDF:3621393.9/42

Out: 696.815+/-0.094 χ^2/NDF:3372892.8/49

All: 686.006+/-0.066 χ^2/NDF: 7021134.4/92



Right In: -0.661+/-2.169 χ^2/NDF: 15.3/19

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.013+/-2.026 χ^2/NDF: 25.5/24

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

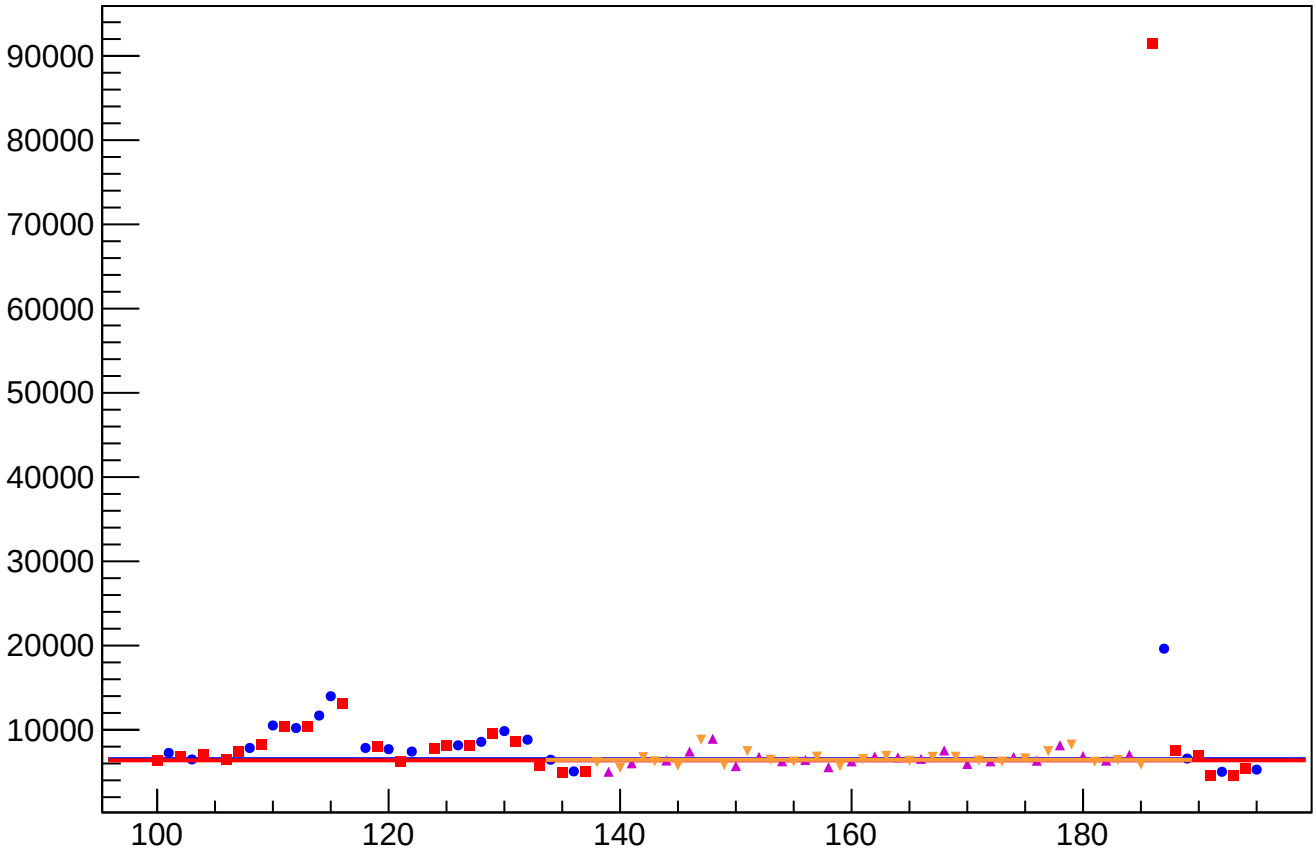
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.917+/-1.481 χ^2/NDF: 41.4/44

In: -0.586+/-1.241 χ^2/NDF:48.9/42

Out: 0.988+/-1.193 χ^2/NDF:50.2/49

All: 0.232+/-0.860 χ^2/NDF: 99.9/92



Right In: 6512.121+/-1.534 χ^2/NDF: 1304820.2/19

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6377.661+/-1.433 χ^2/NDF: 2008030.0/24

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

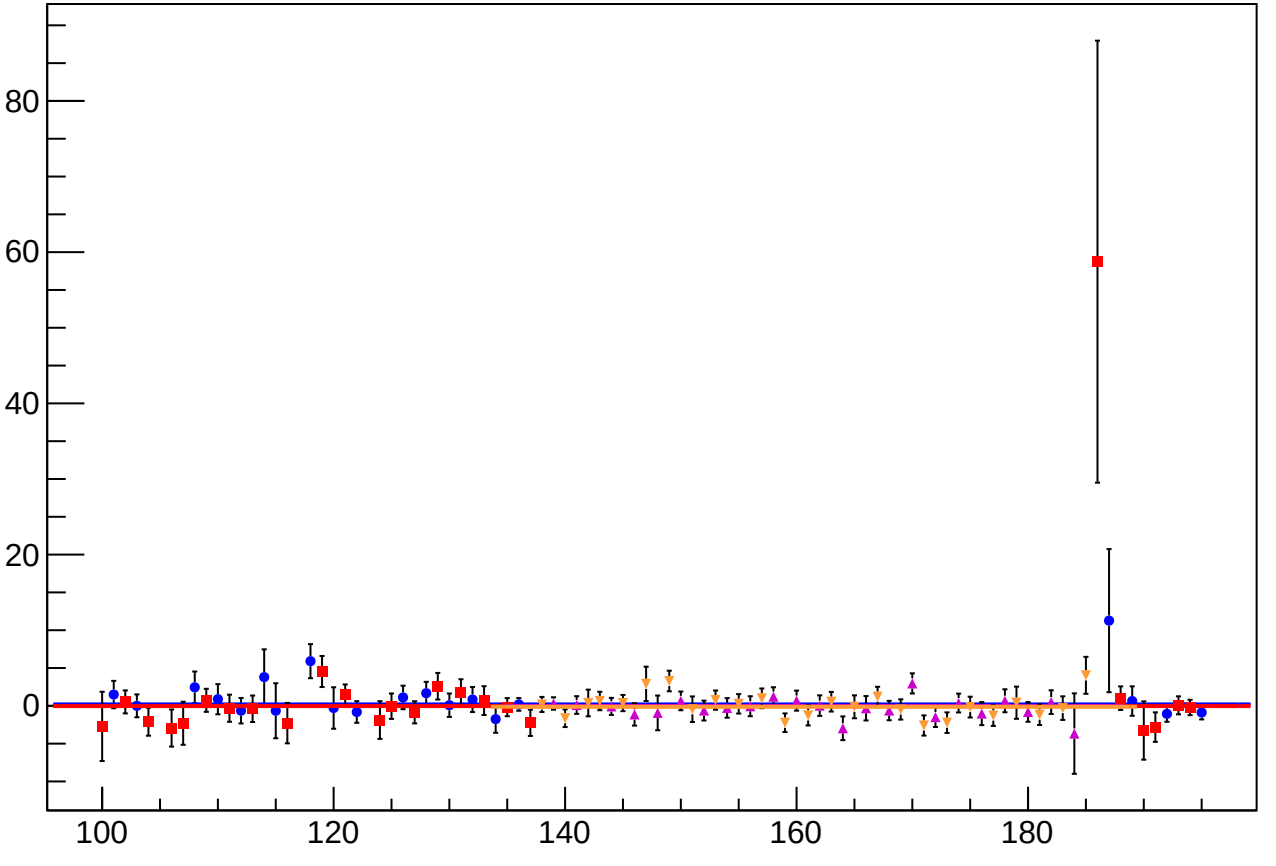
Right: 6440.307+/-1.047 χ^2/NDF: 3316953.6/44

In: 6440.189+/-0.877 χ^2/NDF:1833166.9/42

Out: 6415.355+/-0.844 χ^2/NDF:2426407.9/49

All: 6427.287+/-0.608 χ^2/NDF: 4259991.1/92

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.183+/-0.347 χ^2/NDF: 16.9/19

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.034+/-0.345 χ^2/NDF: 24.2/24

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

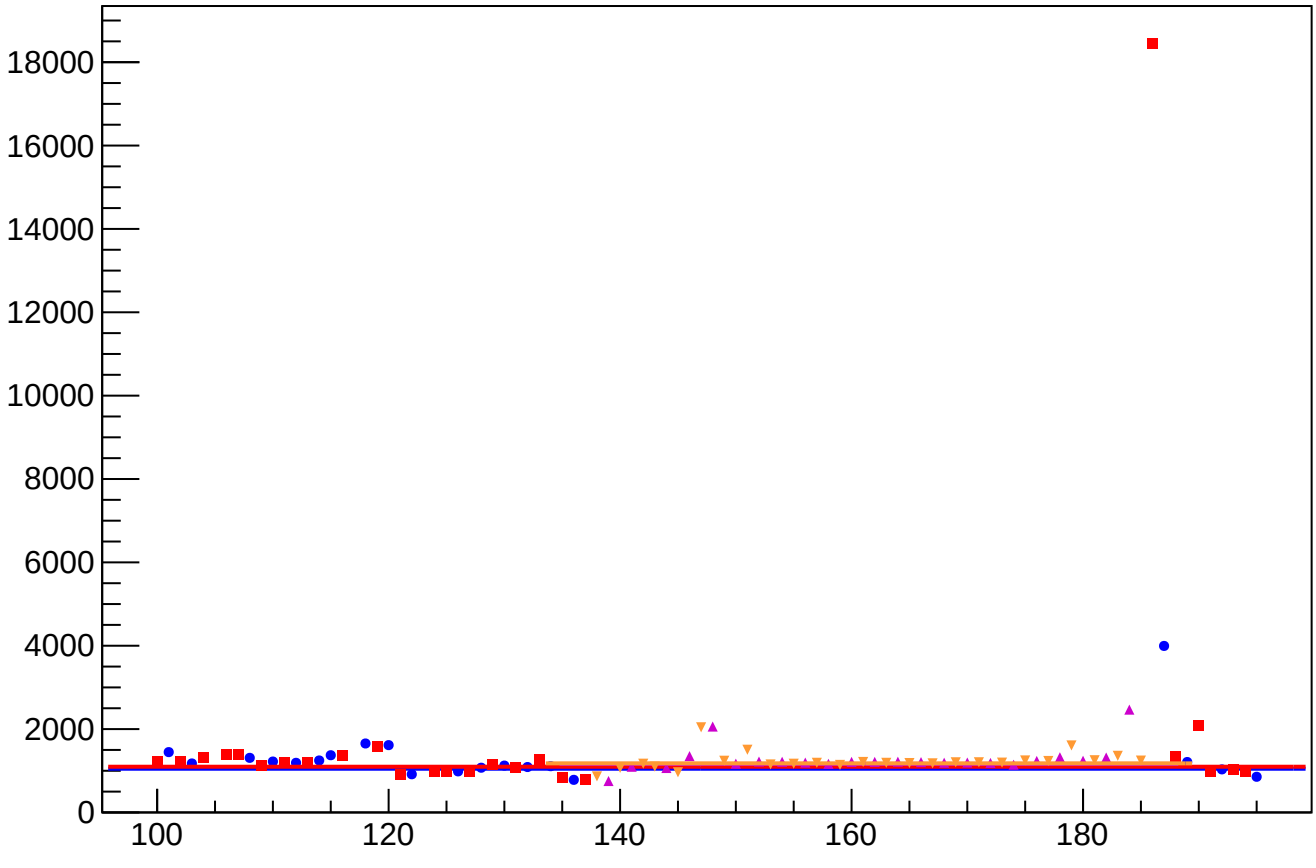
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.074+/-0.245 χ^2/NDF: 41.3/44

In: 0.054+/-0.217 χ^2/NDF:31.6/42

Out: -0.088+/-0.214 χ^2/NDF:51.2/49

All: -0.018+/-0.153 χ^2/NDF: 83.0/92



Right In: 1049.019+/-0.246 χ^2/NDF: 952178.9/19

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1097.088+/-0.244 χ^2/NDF: 1412332.9/24

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

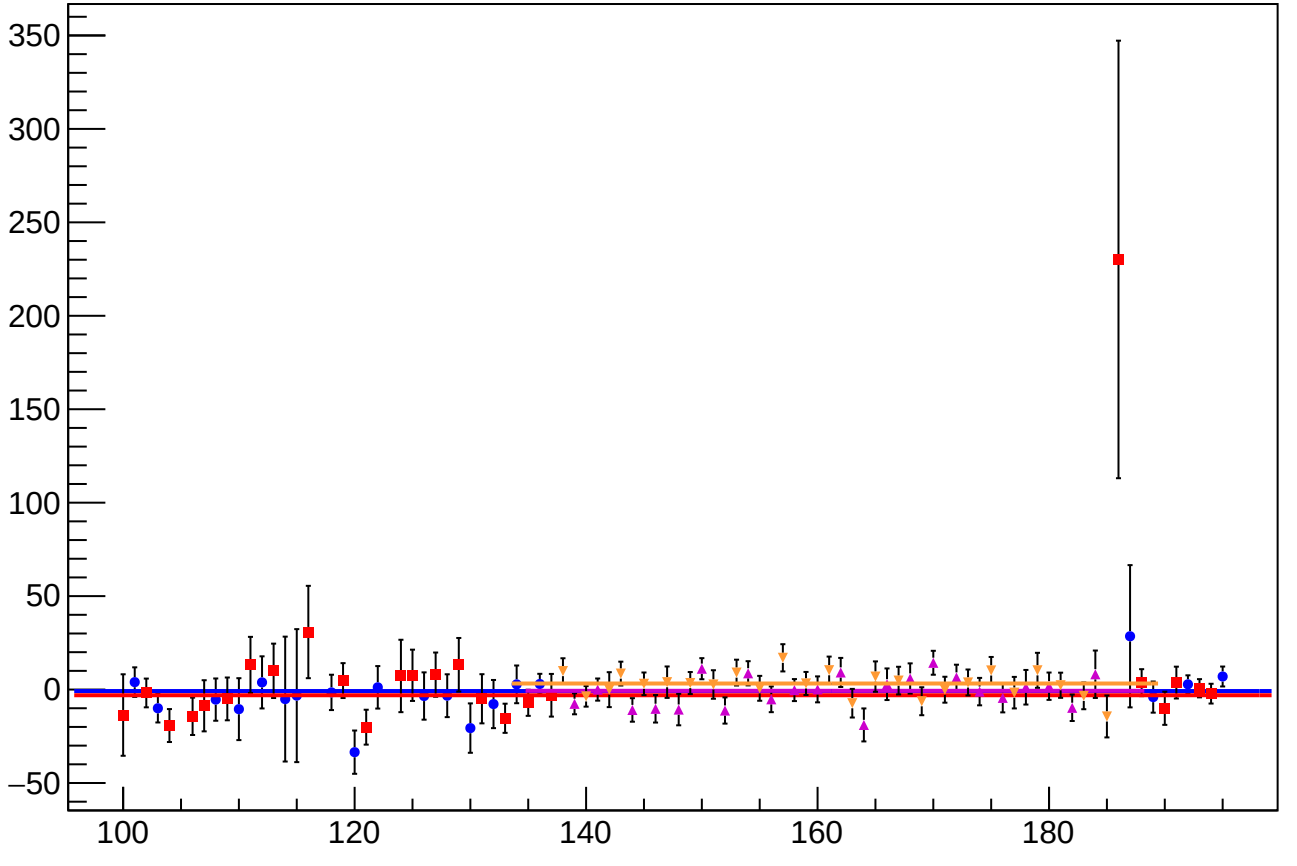
Right: 1073.212+/-0.173 χ^2/NDF: 2383798.7/44

In: 1118.873+/-0.154 χ^2/NDF:2137392.6/42

Out: 1146.631+/-0.152 χ^2/NDF:2280382.8/49

All: 1132.948+/-0.108 χ^2/NDF: 4434322.8/92

diff_bpm_4eY_4ecY_avg_mean vs Slug, Sign Corrected



Right In: -0.791+/-2.039 χ^2/NDF: 17.1/19

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -3.043+/-1.881 χ^2/NDF: 25.6/24

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

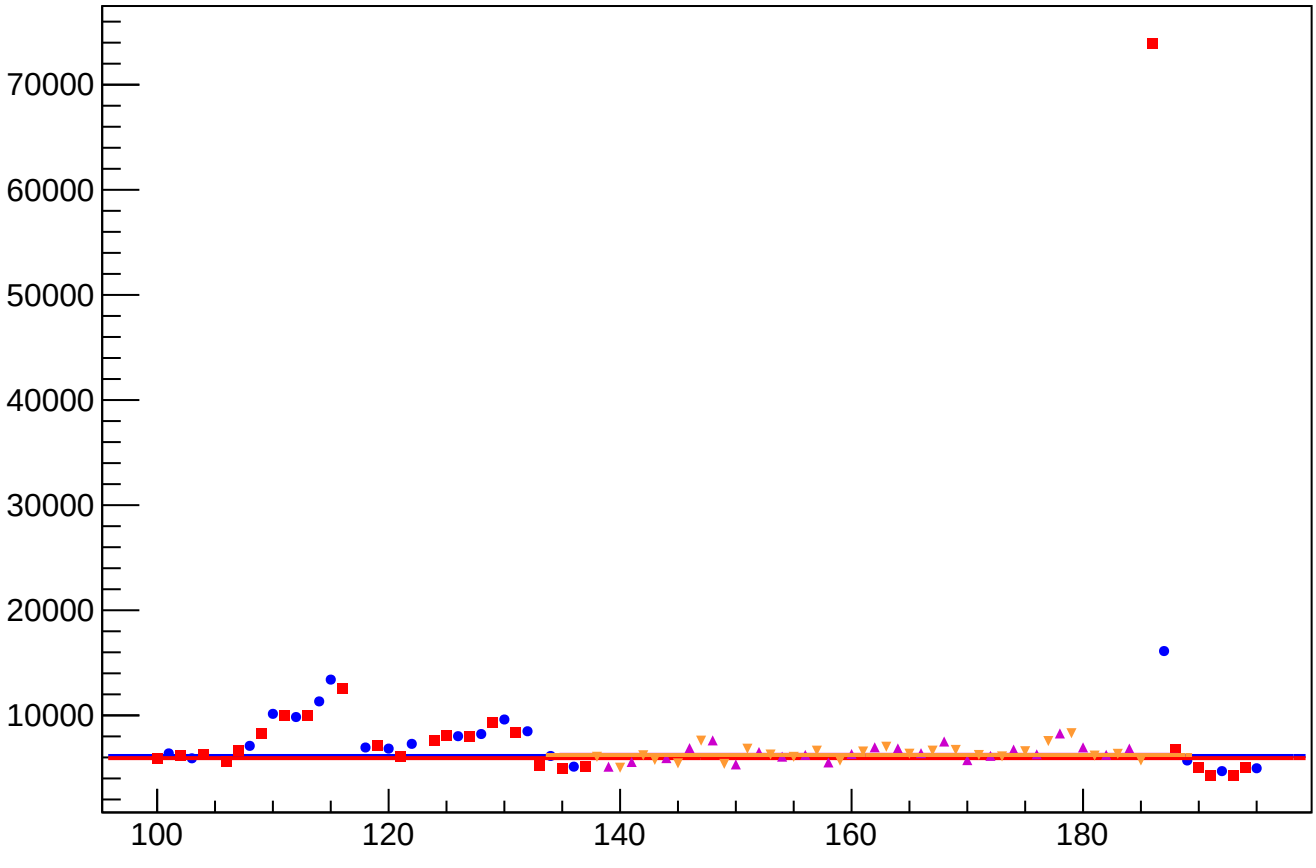
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -2.008+/-1.383 χ^2/NDF: 43.4/44

In: -0.709+/-1.194 χ^2/NDF:49.5/42

Out: 0.936+/-1.138 χ^2/NDF:50.6/49

All: 0.153+/-0.824 χ^2/NDF: 101.1/92



Right In: 6137.380+/-1.442 χ^2/NDF: 1253140.6/19

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5932.837+/-1.330 χ^2/NDF: 2030453.6/24

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

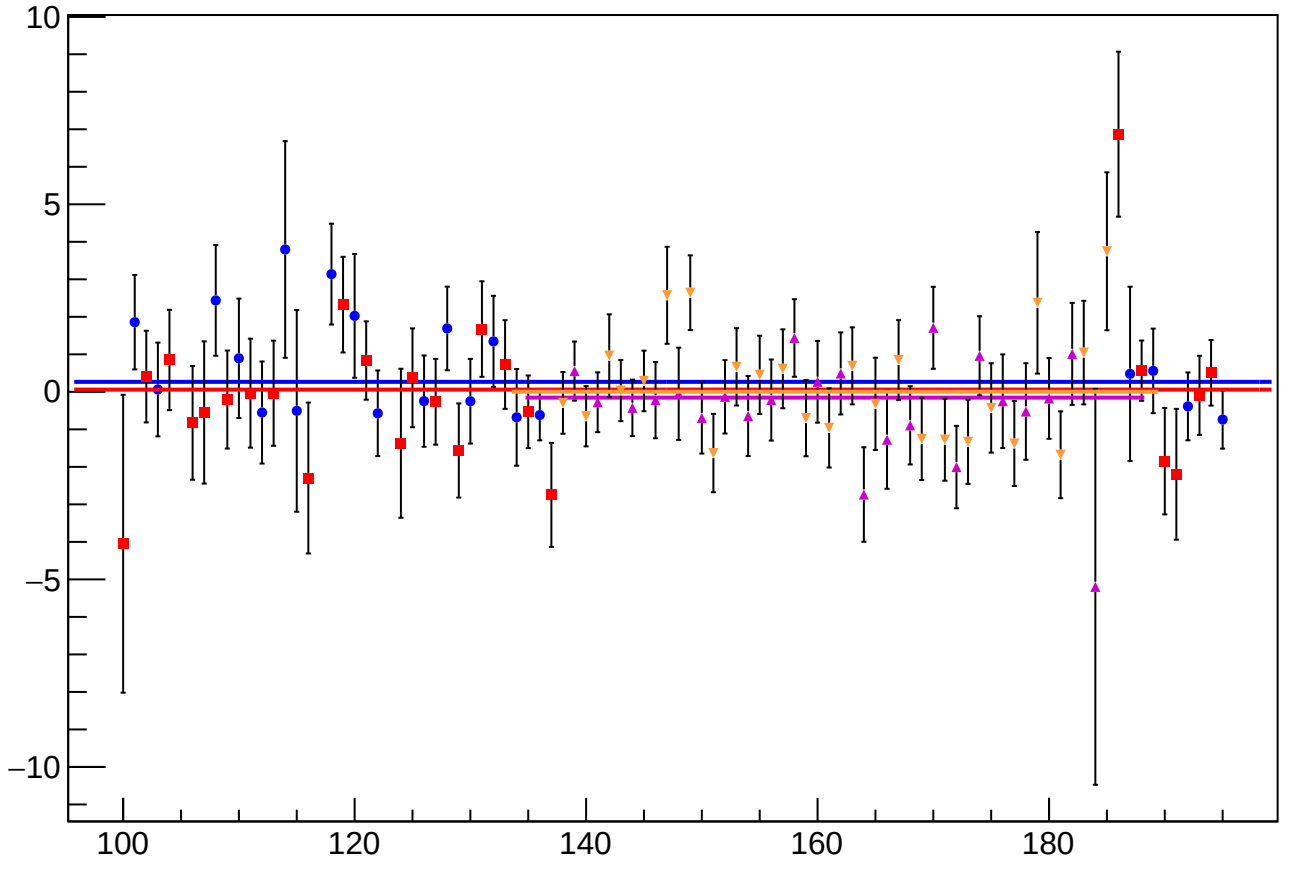
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 6026.860+/-0.978 χ^2/NDF: 3294464.5/44

In: 6209.266+/-0.845 χ^2/NDF:1741905.8/42

Out: 6120.350+/-0.805 χ^2/NDF:2532657.9/49

All: 6162.664+/-0.583 χ^2/NDF: 4280372.1/92



Right In: 0.266+/-0.265 χ^2/NDF: 19.5/19

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.060+/-0.256 χ^2/NDF: 29.5/24

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

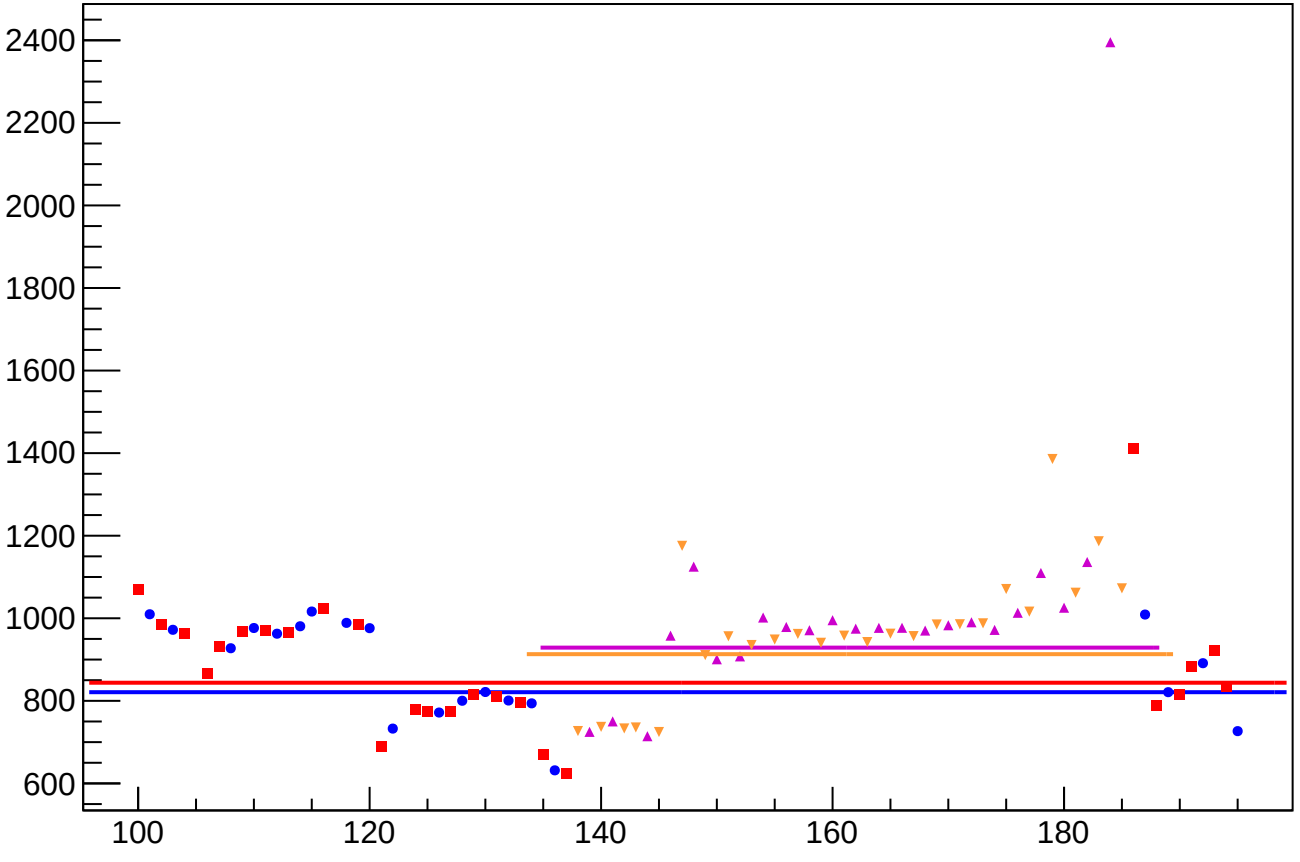
Right: 0.159+/-0.184 χ^2/NDF: 49.3/44

In: 0.018+/-0.170 χ^2/NDF:39.4/42

Out: 0.026+/-0.163 χ^2/NDF:61.2/49

All: 0.022+/-0.118 χ^2/NDF: 100.6/92

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 820.963+/-0.188 χ^2/NDF: 420457.4/19

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 843.894+/-0.181 χ^2/NDF: 477064.7/24

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

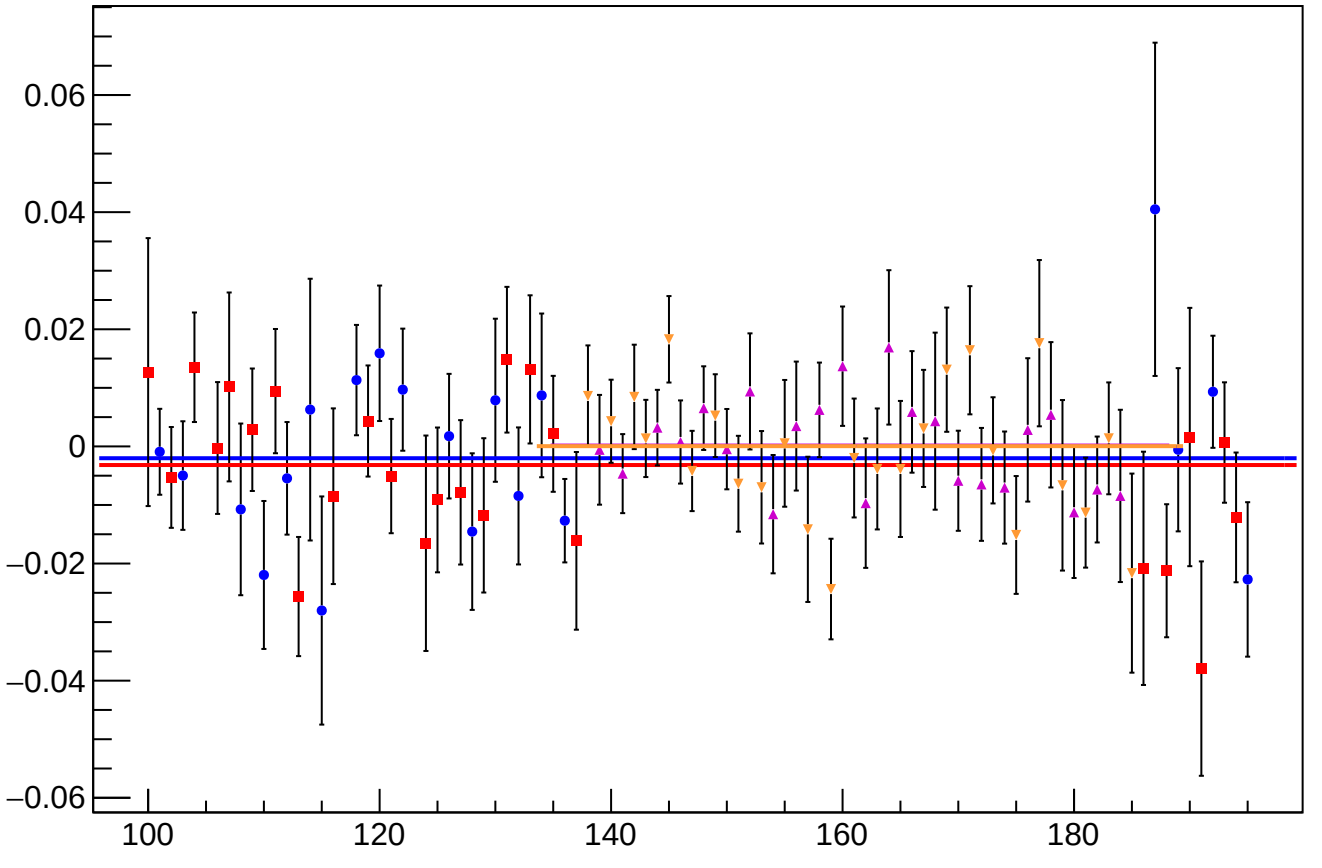
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 832.850+/-0.130 χ^2/NDF: 905269.3/44

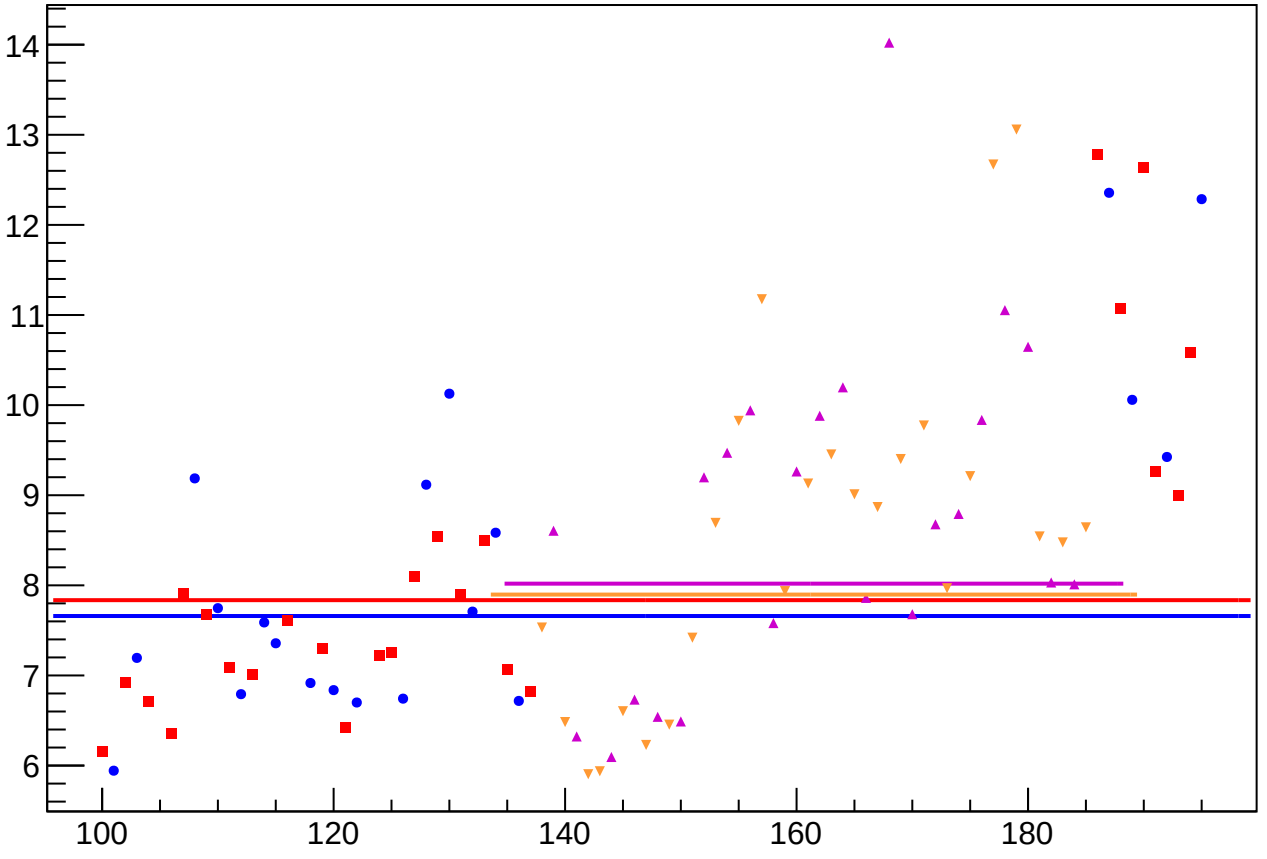
In: 884.671+/-0.120 χ^2/NDF:1384972.0/42

Out: 884.901+/-0.115 χ^2/NDF:1453042.1/49

All: 884.791+/-0.083 χ^2/NDF: 2838016.1/92


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
Right In: -0.002+/-0.003 χ²/NDF: 21.4/19
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: -0.003+/-0.002 χ²/NDF: 25.7/24
Left In: 0.000+/-0.002 χ²/NDF:12.8/22
Left: 0.000+/-0.001 χ²/NDF: 43.9/47
Right: -0.003+/-0.002 χ²/NDF: 47.3/44
In: -0.001+/-0.002 χ²/NDF:34.7/42
Out: -0.001+/-0.001 χ²/NDF:58.0/49
All: -0.001+/-0.001 χ²/NDF: 92.8/92

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.660+/-0.002 χ^2/NDF: 765679.5/19

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 7.836+/-0.002 χ^2/NDF: 749299.8/24

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

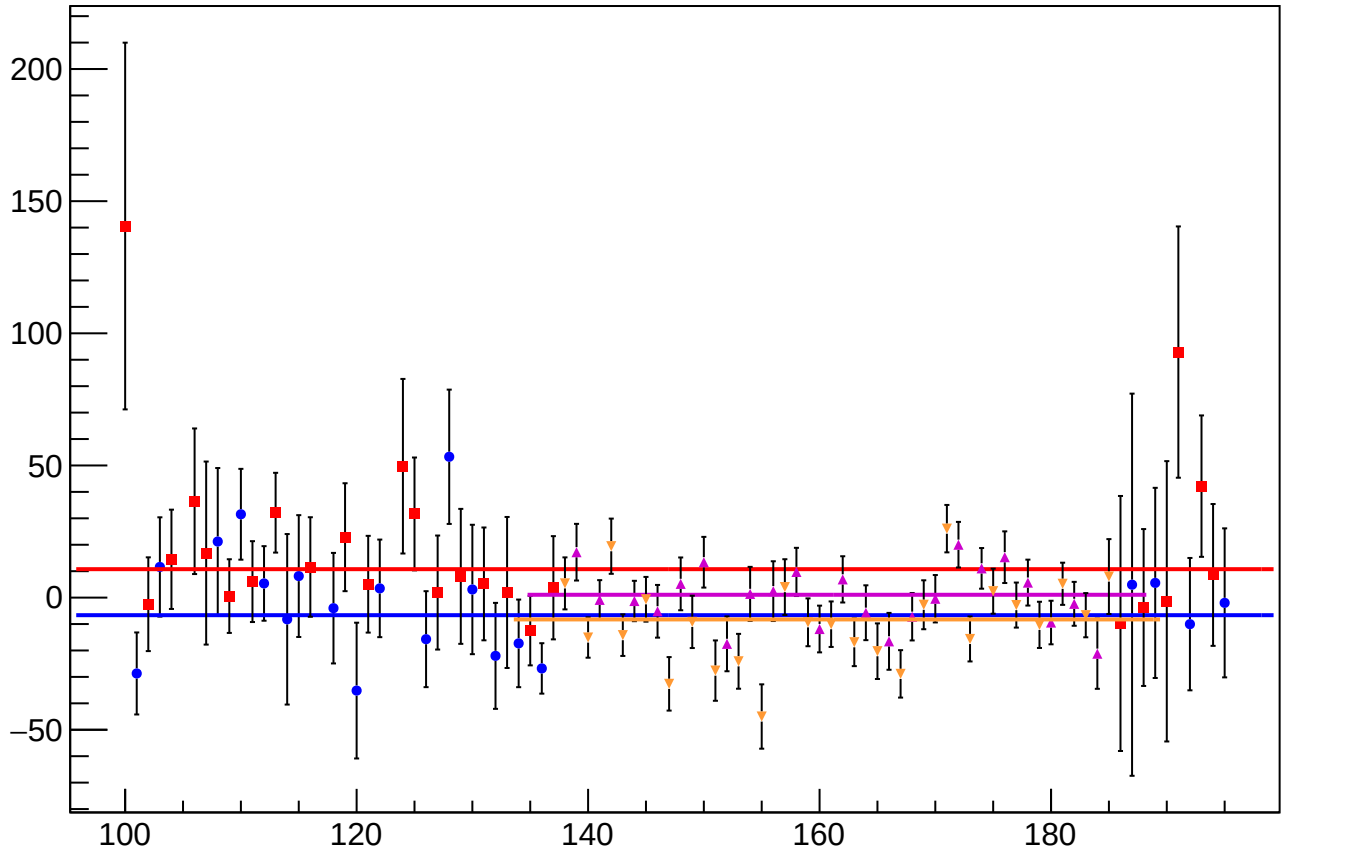
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

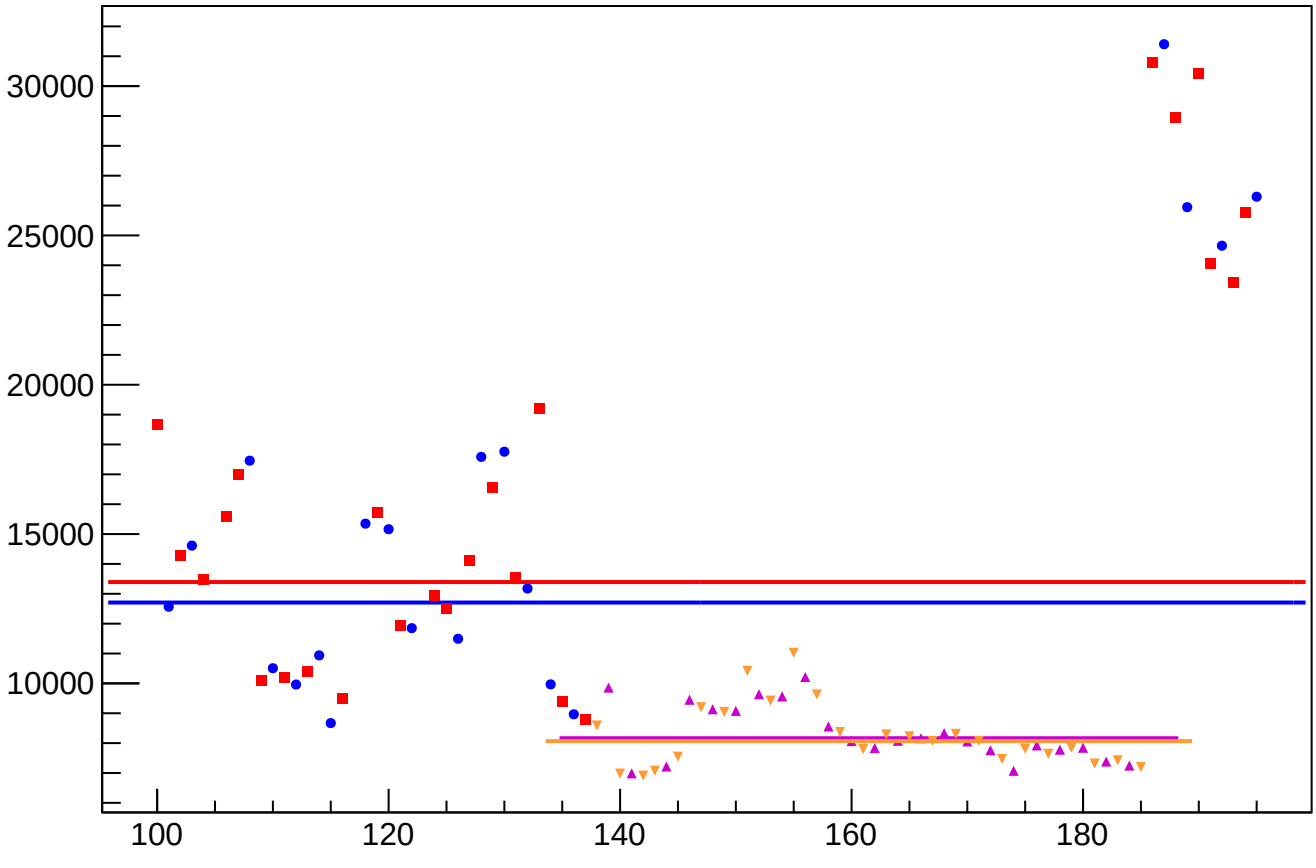
Right: 7.752+/-0.001 χ^2/NDF: 1520131.8/44

In: 7.886+/-0.001 χ^2/NDF:2247317.7/42

Out: 7.874+/-0.001 χ^2/NDF:2341006.9/49

All: 7.880+/-0.001 χ^2/NDF: 4588386.6/92


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
Right In: -6.647+/-4.325 χ²/NDF: 23.2/19
Left Out: -8.256+/-1.849 χ²/NDF:62.2/24
Right Out: 10.762+/-4.297 χ²/NDF: 18.9/24
Left In: 1.072+/-1.921 χ²/NDF:28.8/22
Left: -3.769+/-1.332 χ²/NDF: 103.2/47
Right: 2.113+/-3.048 χ²/NDF: 50.2/44
In: -0.200+/-1.755 χ²/NDF:54.7/42
Out: -5.284+/-1.699 χ²/NDF:97.6/49
All: -2.825+/-1.221 χ²/NDF: 156.6/92



Right In: 12707.105+/-3.058 χ^2/NDF: 2165490.5/19

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 13393.598+/-3.039 χ^2/NDF: 2691441.3/24

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

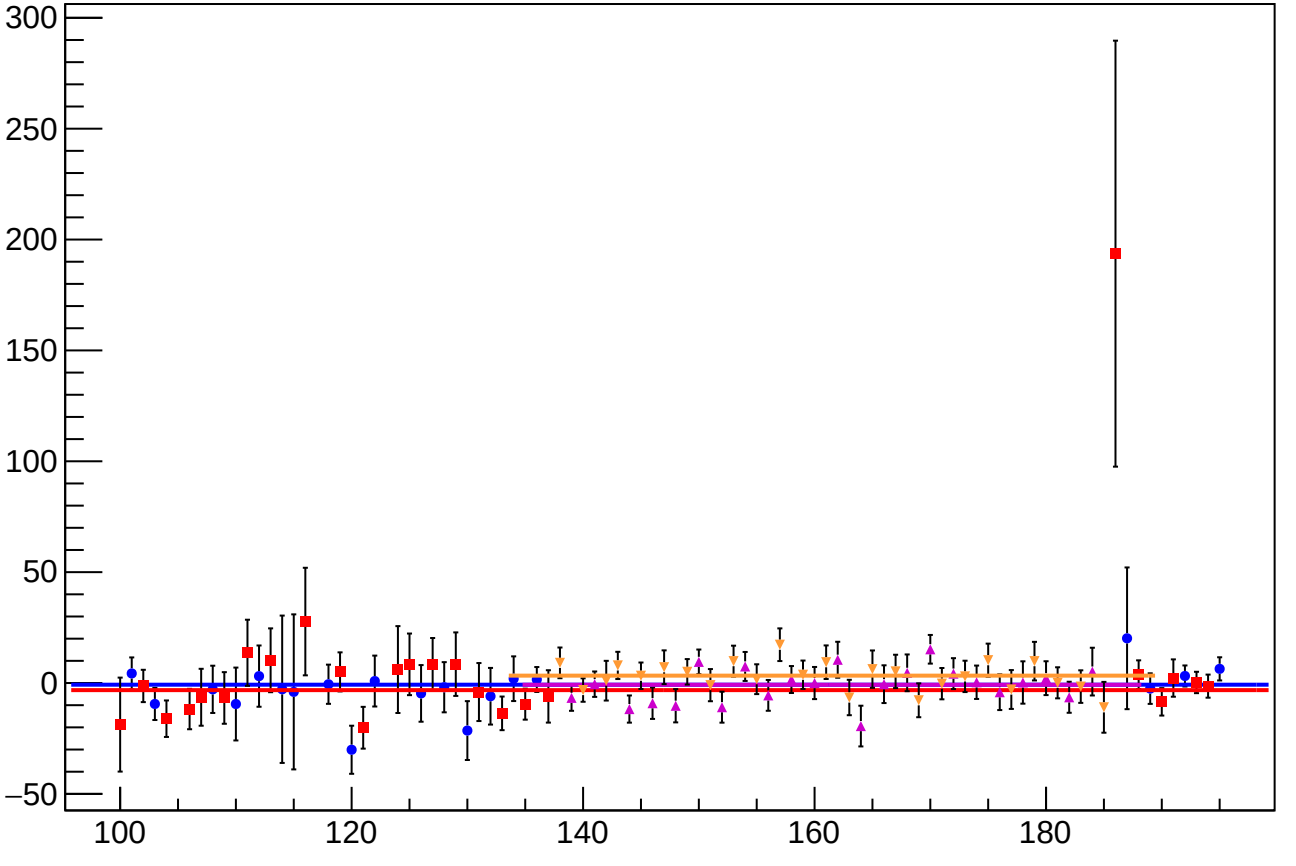
Right: 13052.573+/-2.156 χ^2/NDF: 4882287.4/44

In: 8911.991+/-1.241 χ^2/NDF:4441409.3/42

Out: 8899.180+/-1.201 χ^2/NDF:5782564.9/49

All: 8905.376+/-0.863 χ^2/NDF: 10224029.2/9

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: -0.759+/-1.973 χ^2/NDF: 15.7/19

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -3.210+/-1.792 χ^2/NDF: 24.5/24

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

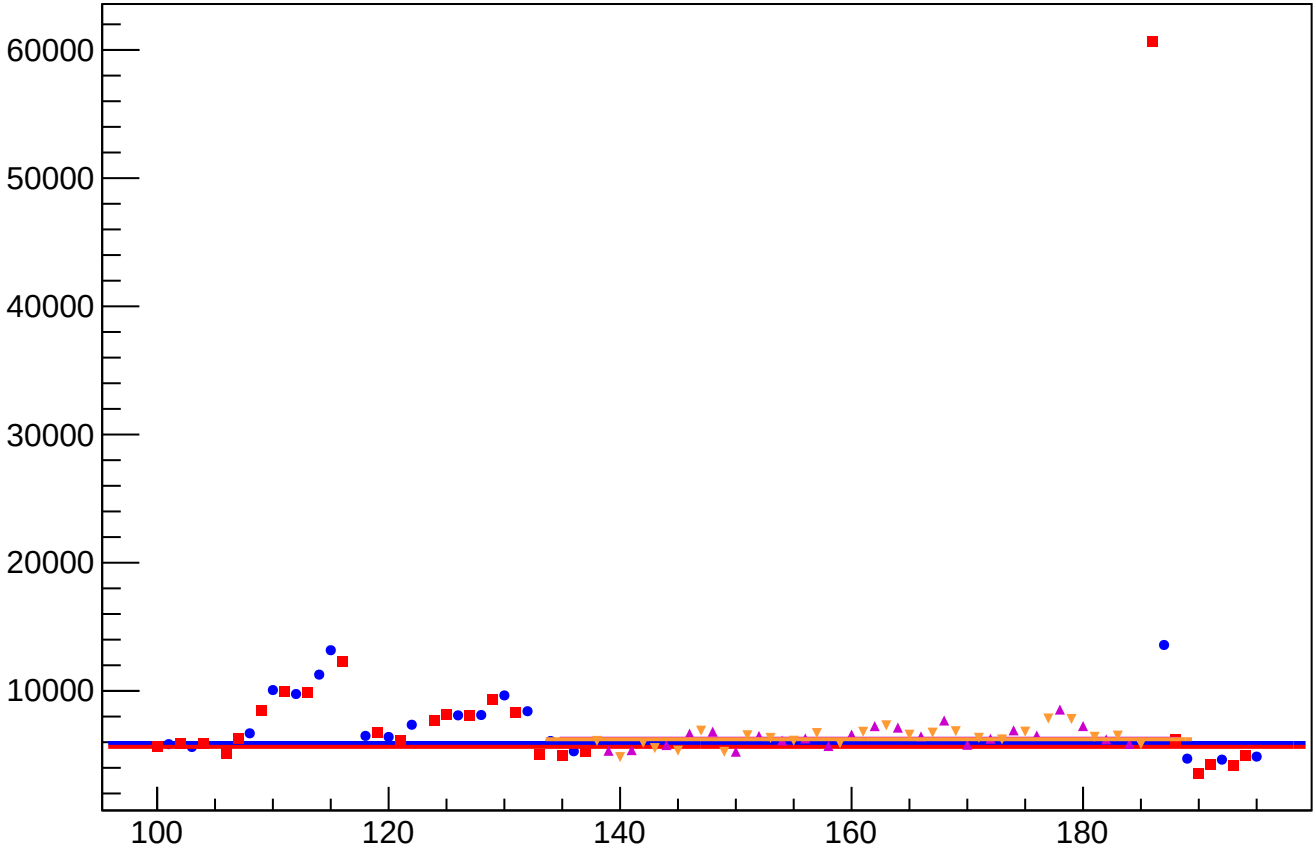
Right: -2.102+/-1.327 χ^2/NDF: 41.0/44

In: -0.783+/-1.183 χ^2/NDF:45.1/42

Out: 0.785+/-1.118 χ^2/NDF:49.5/49

All: 0.045+/-0.813 χ^2/NDF: 95.5/92

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 5937.847+/-1.395 χ^2/NDF: 1272255.4/19

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5636.867+/-1.267 χ^2/NDF: 2235211.7/24

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

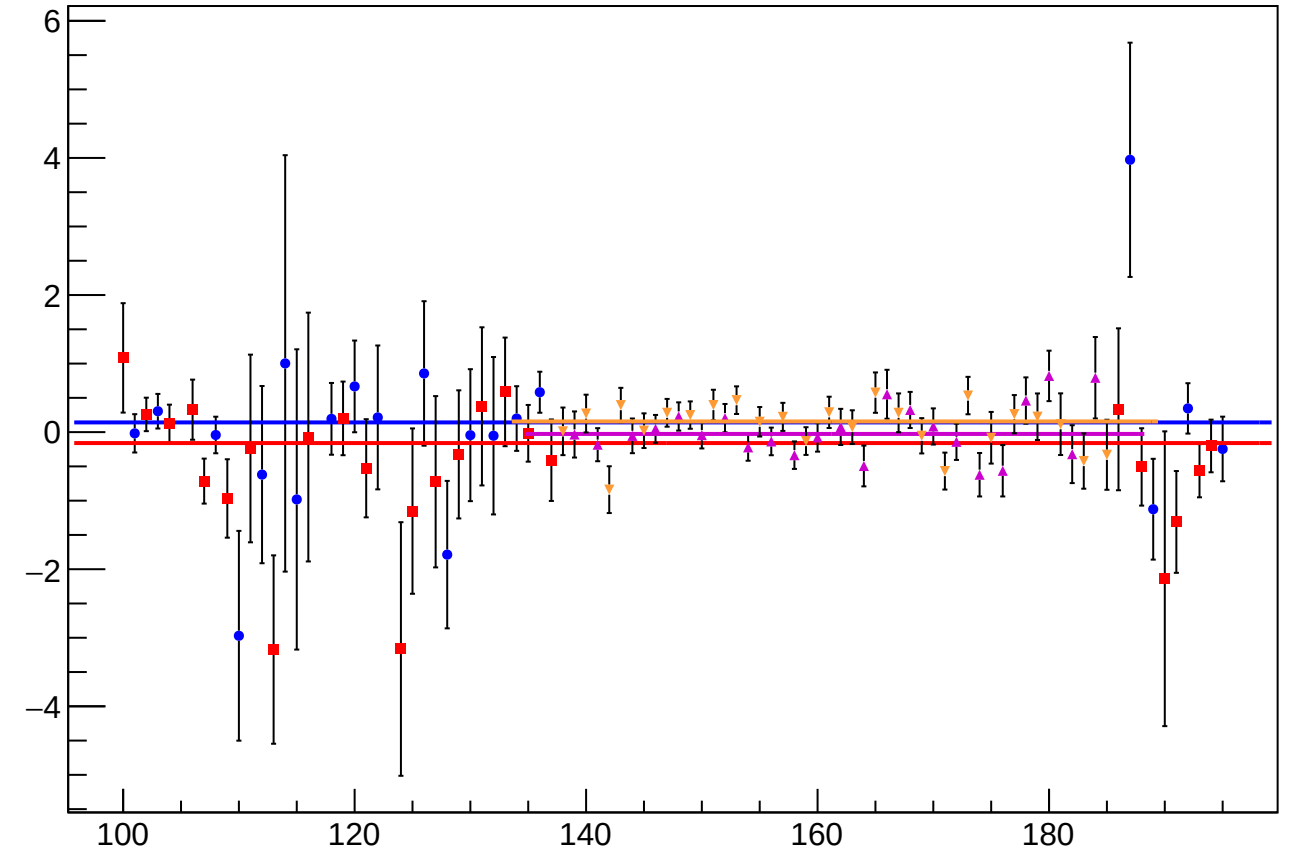
Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

Right: 5772.912+/-0.938 χ^2/NDF: 3532962.1/44

In: 6151.104+/-0.837 χ^2/NDF:1813449.0/42

Out: 5999.744+/-0.791 χ^2/NDF:2902016.1/49

All: 6071.135+/-0.575 χ^2/NDF: 4732753.8/92



Right In: 0.142+/-0.109 χ^2/NDF: 21.6/19

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.160+/-0.106 χ^2/NDF: 27.9/24

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

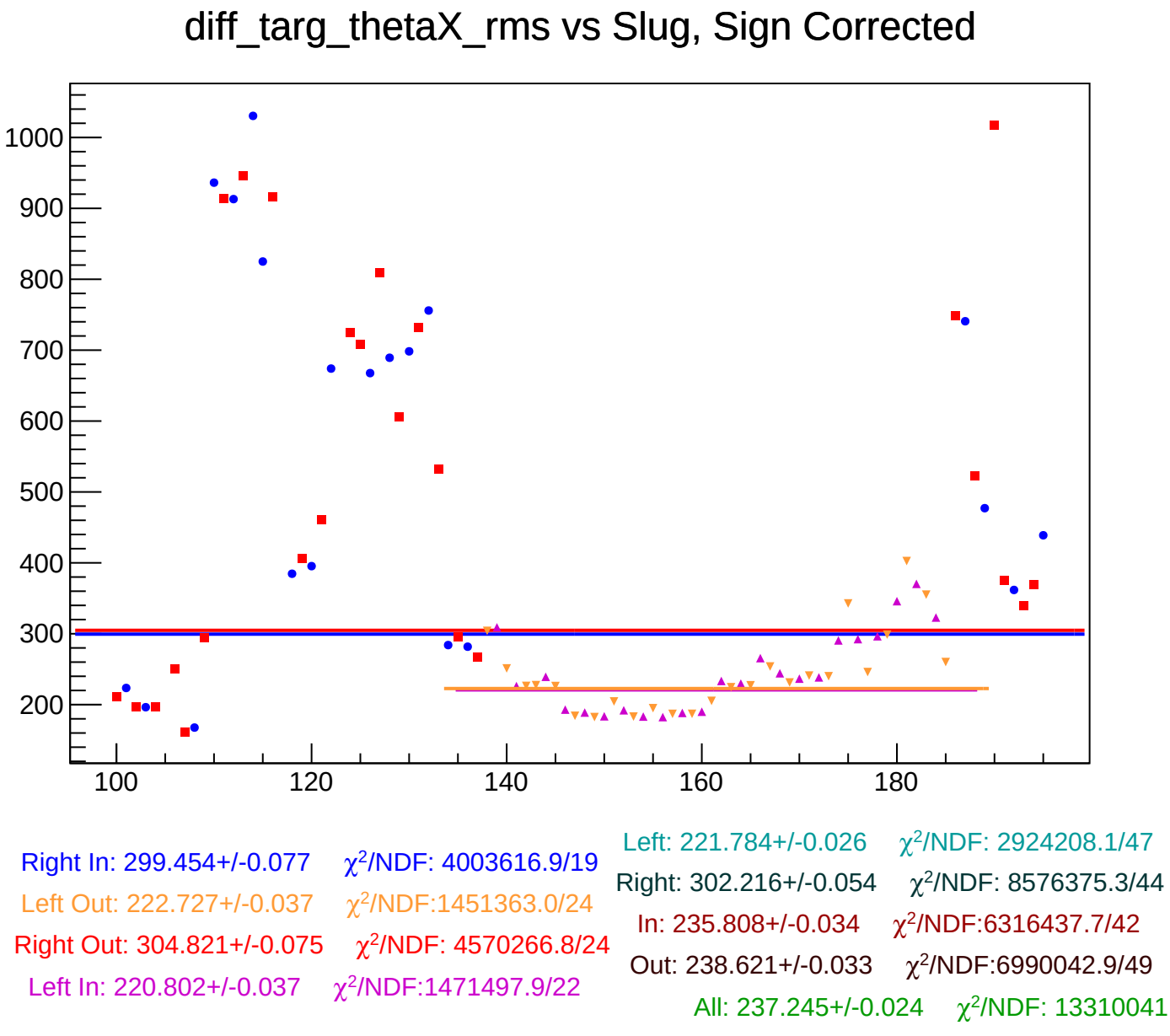
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

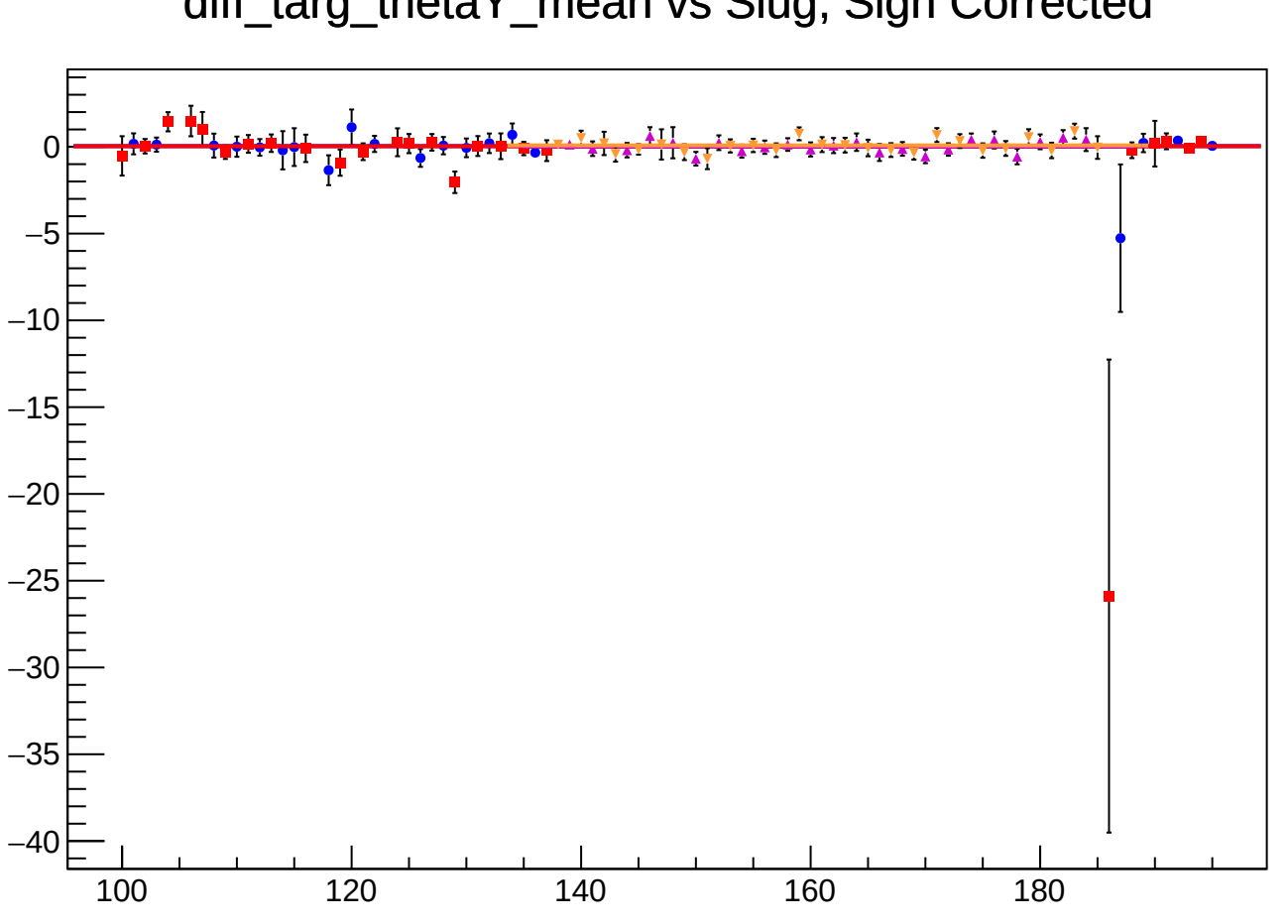
Right: -0.013+/-0.076 χ^2/NDF: 53.4/44

In: 0.006+/-0.048 χ^2/NDF:53.3/42

Out: 0.095+/-0.047 χ^2/NDF:67.3/49

All: 0.051+/-0.033 χ^2/NDF: 122.4/92


diff_targ_thetaX_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
120
140
160
180
Right In: 299.454+/-0.077 χ²/NDF: 4003616.9/19
Left Out: 222.727+/-0.037 χ²/NDF:1451363.0/24
Right Out: 304.821+/-0.075 χ²/NDF: 4570266.8/24
Left In: 220.802+/-0.037 χ²/NDF:1471497.9/22
Left: 221.784+/-0.026 χ²/NDF: 2924208.1/47
Right: 302.216+/-0.054 χ²/NDF: 8576375.3/44
In: 235.808+/-0.034 χ²/NDF:6316437.7/42
Out: 238.621+/-0.033 χ²/NDF:6990042.9/49
All: 237.245+/-0.024 χ²/NDF: 13310041.6/92



Right In: 0.038+/-0.106 χ^2/NDF: 11.8/19

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.037+/-0.101 χ^2/NDF: 30.8/24

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

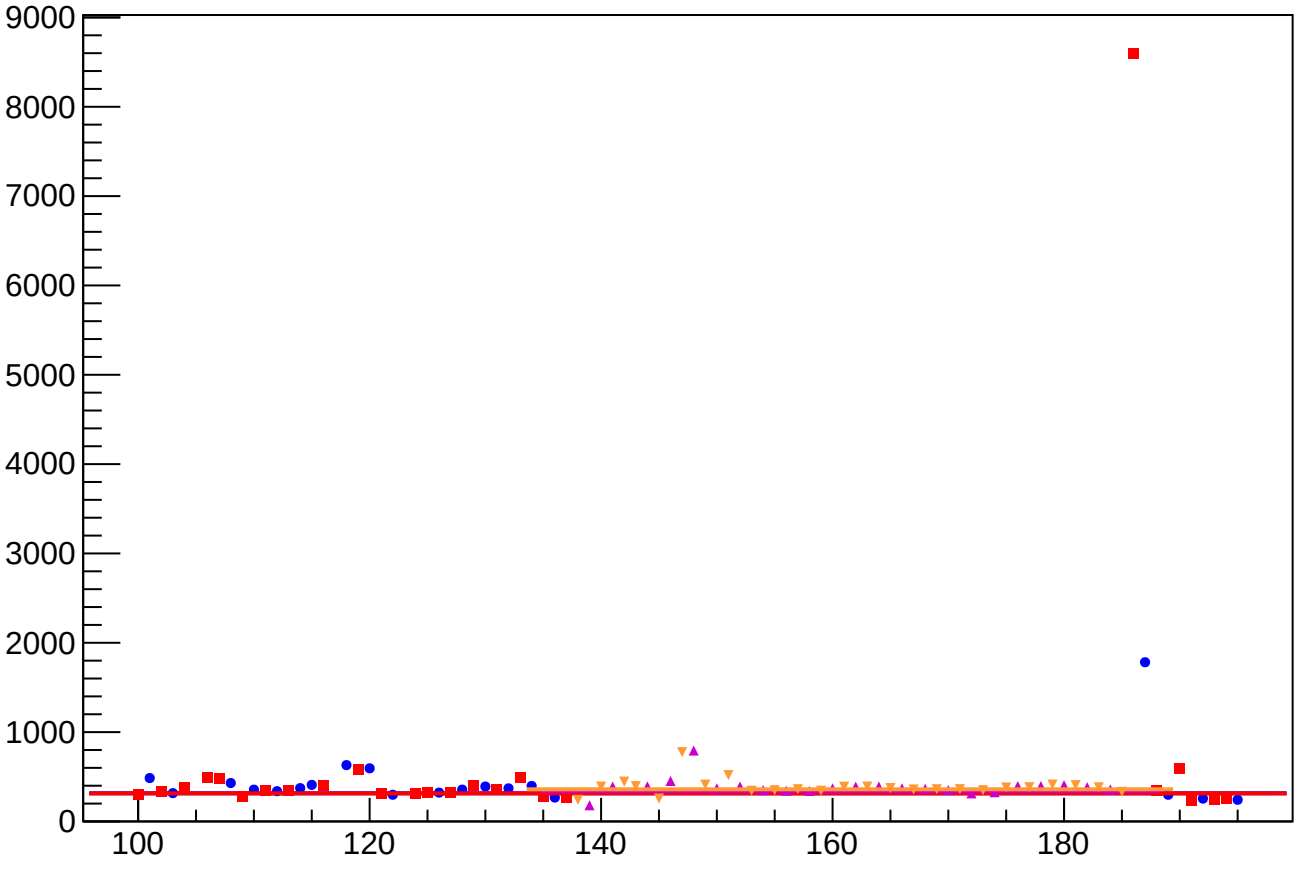
Right: 0.038+/-0.073 χ^2/NDF: 42.6/44

In: 0.020+/-0.065 χ^2/NDF:27.1/42

Out: 0.062+/-0.065 χ^2/NDF:49.8/49

All: 0.041+/-0.046 χ^2/NDF: 77.1/92

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 315.300+/-0.075 χ^2/NDF: 1328855.7/19

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 314.246+/-0.072 χ^2/NDF: 1792334.5/24

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

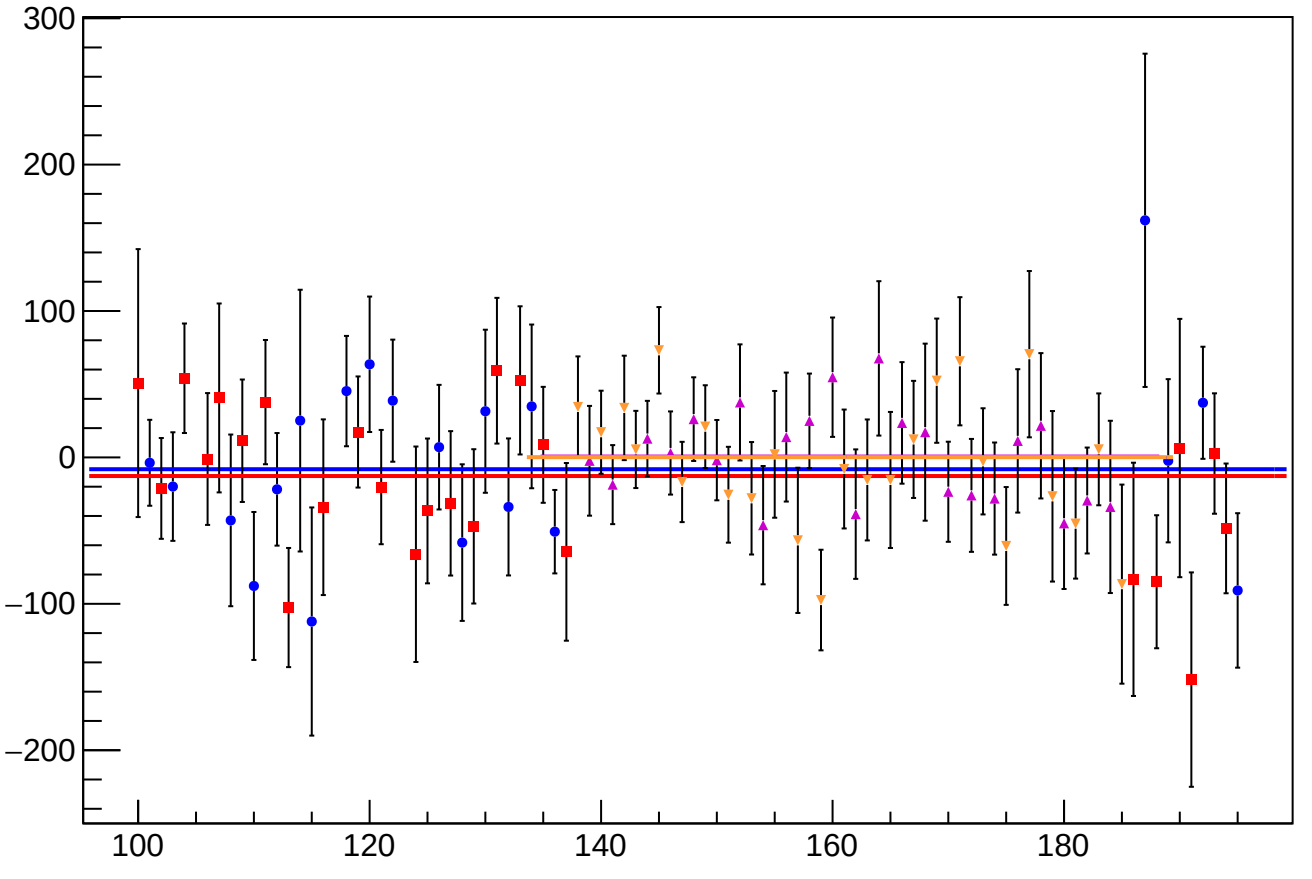
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

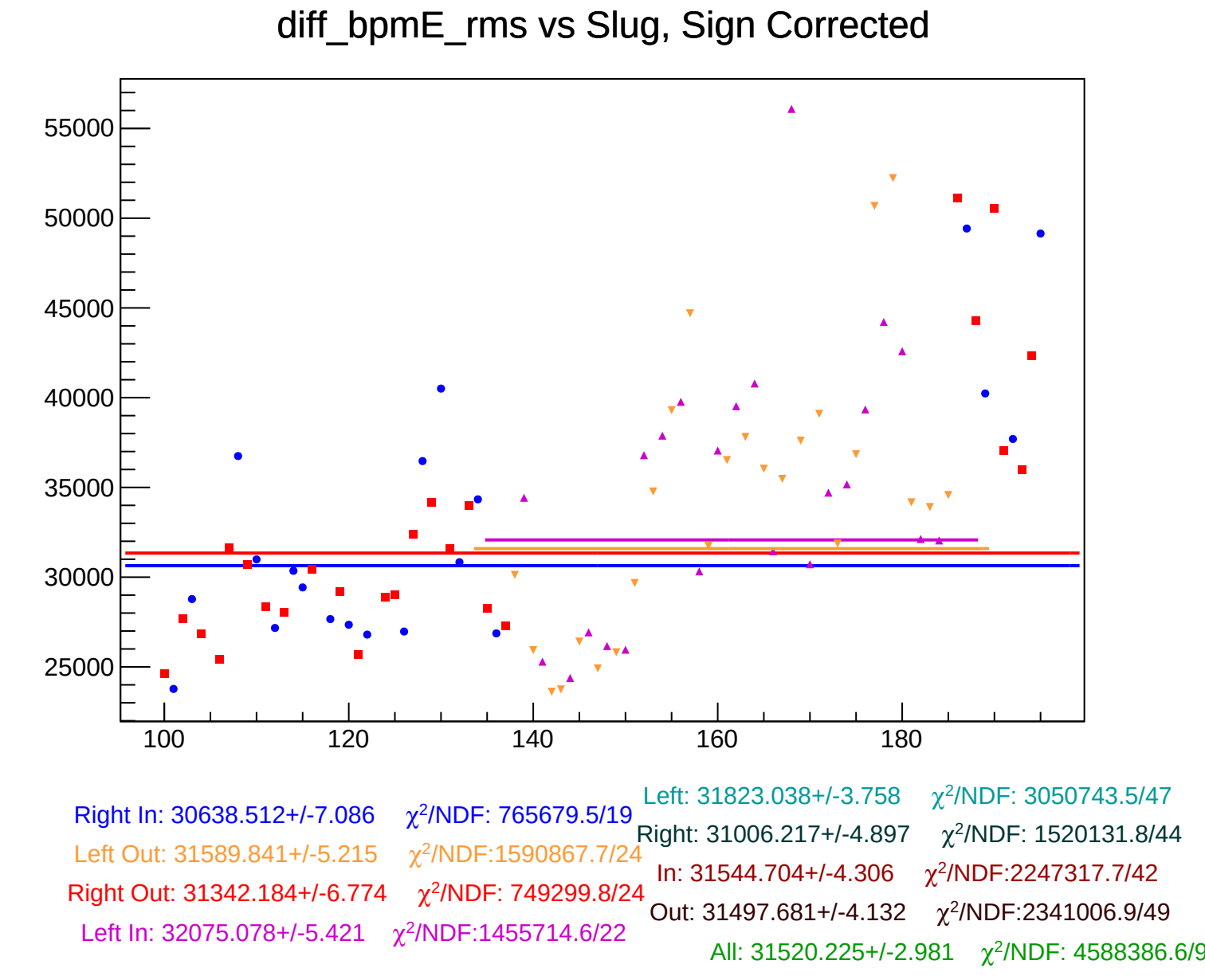
Right: 314.749+/-0.052 χ^2/NDF: 3121293.3/44

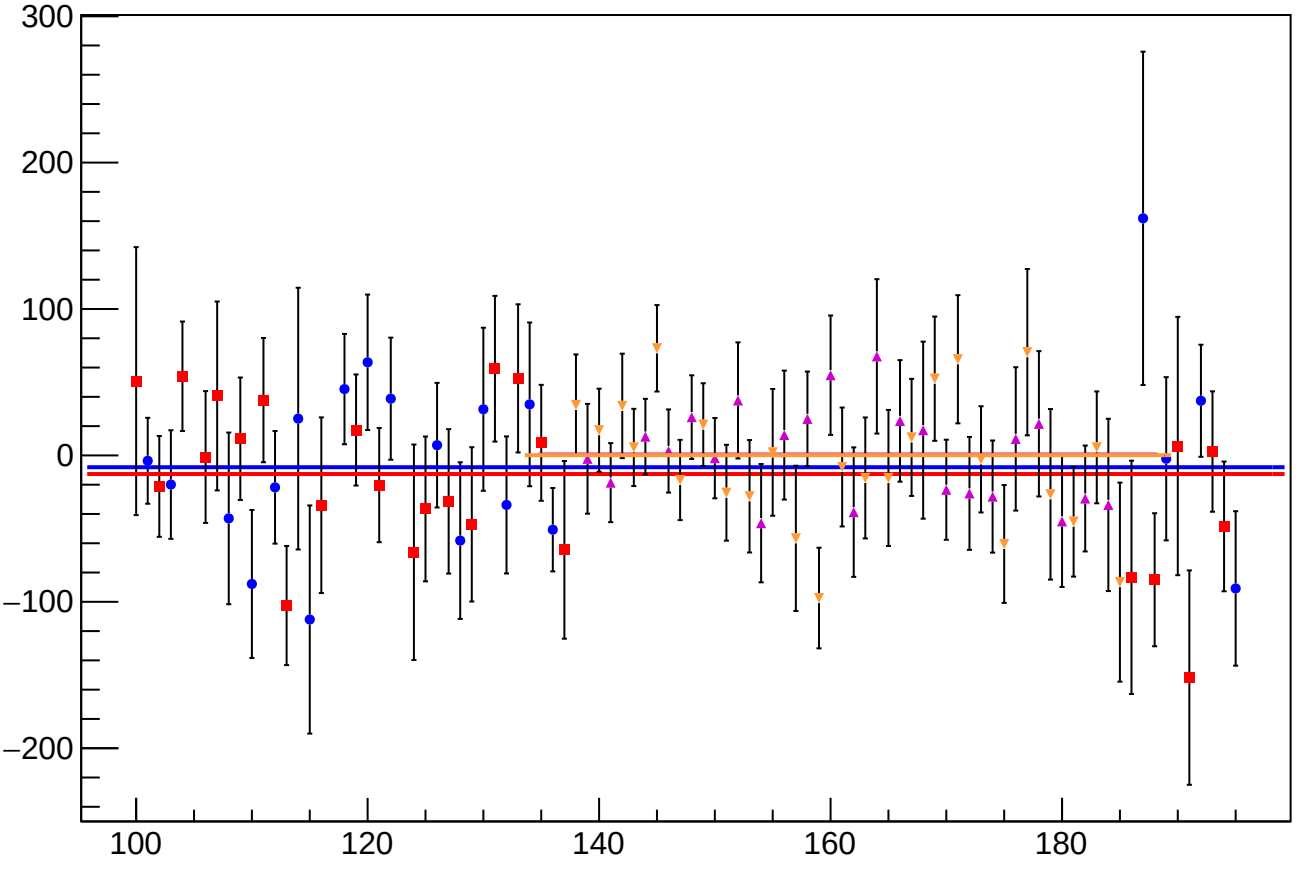
In: 330.663+/-0.046 χ^2/NDF:3621393.9/42

Out: 341.325+/-0.046 χ^2/NDF:3372892.8/49

All: 336.030+/-0.033 χ^2/NDF: 7021134.4/92


diff_bpmE_mean vs Slug, Sign Corrected
300
200
100
0
−100
−200
100
120
140
160
180
Right In: -8.067+/-10.022 χ²/NDF: 21.4/19
Left Out: 0.168+/-7.375 χ²/NDF:31.1/24
Right Out: -12.718+/-9.579 χ²/NDF: 25.7/24
Left In: 0.586+/-7.667 χ²/NDF:12.8/22
Left: 0.369+/-5.315 χ²/NDF: 43.9/47
Right: -10.497+/-6.925 χ²/NDF: 47.3/44
In: -2.609+/-6.089 χ²/NDF:34.7/42
Out: -4.627+/-5.844 χ²/NDF:58.0/49
All: -3.659+/-4.216 χ²/NDF: 92.8/92


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
Right In: 30638.512+/-7.086 χ²/NDF: 765679.5/19
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 31342.184+/-6.774 χ²/NDF: 749299.8/24
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 31006.217+/-4.897 χ²/NDF: 1520131.8/44
In: 31544.704+/-4.306 χ²/NDF:2247317.7/42
Out: 31497.681+/-4.132 χ²/NDF:2341006.9/49
All: 31520.225+/-2.981 χ²/NDF: 4588386.6/9



Right In: -8.067+/-10.022 χ^2/NDF: 21.4/19

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -12.718+/-9.579 χ^2/NDF: 25.7/24

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

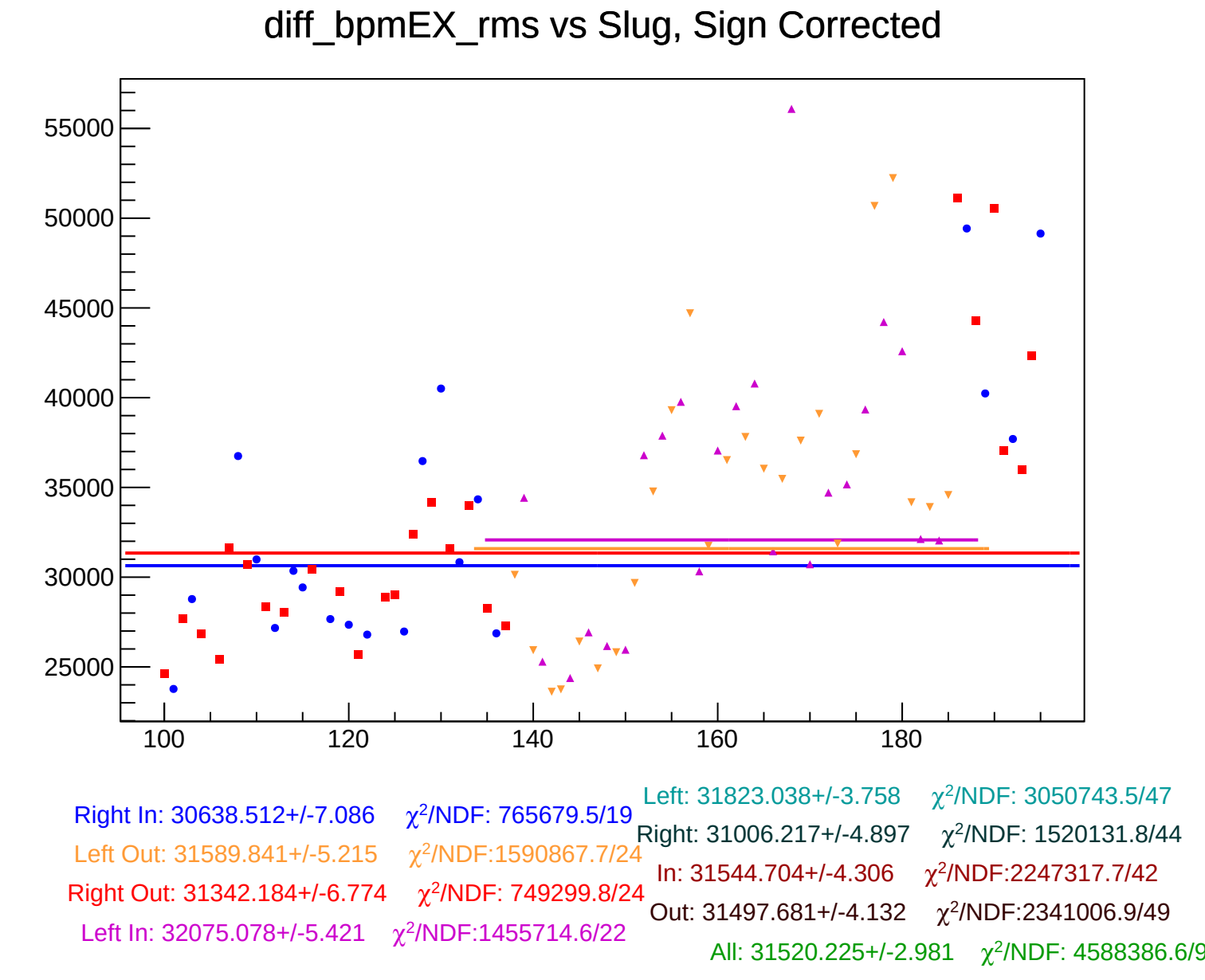
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -10.497+/-6.925 χ^2/NDF: 47.3/44

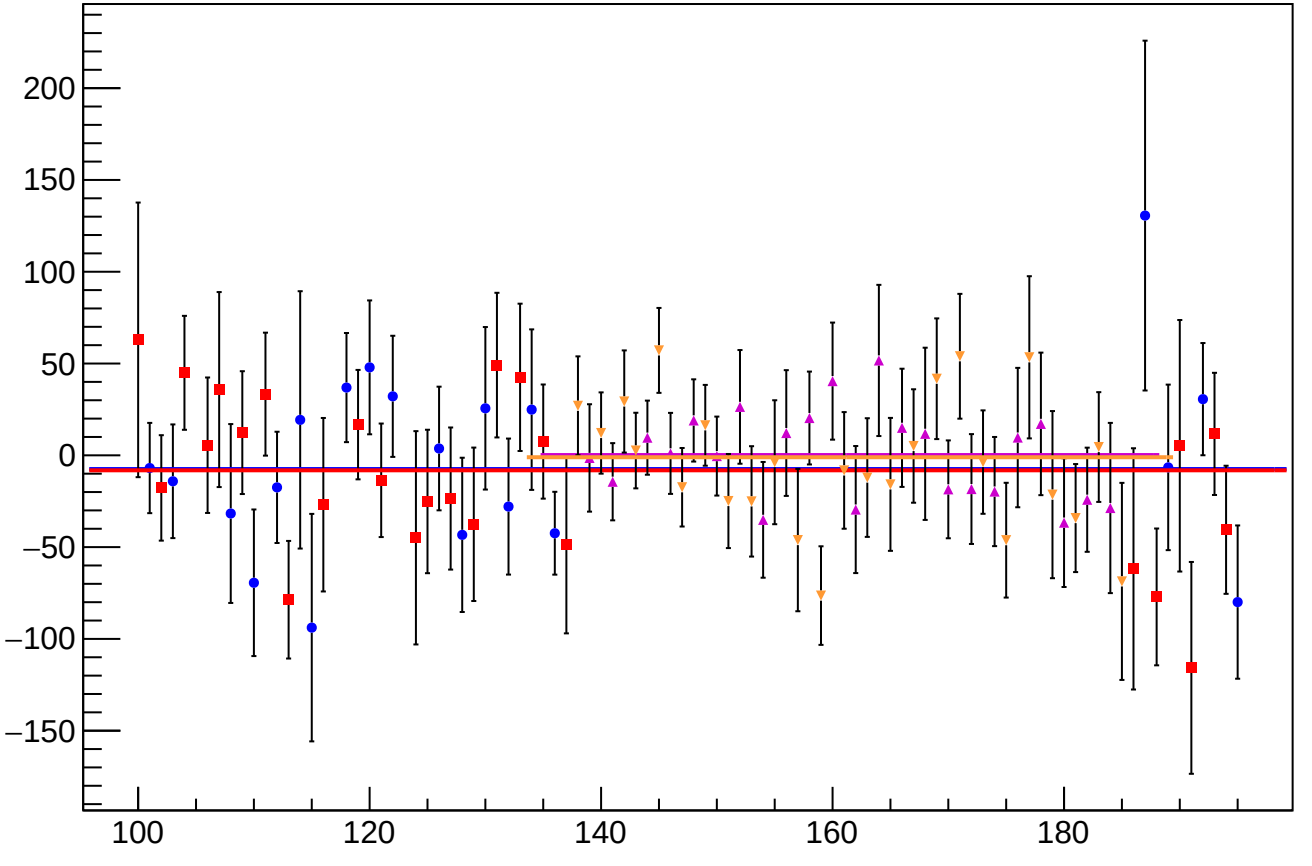
In: -2.609+/-6.089 χ^2/NDF:34.7/42

Out: -4.627+/-5.844 χ^2/NDF:58.0/49

All: -3.659+/-4.216 χ^2/NDF: 92.8/92


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
Right In: 30638.512+/-7.086 χ²/NDF: 765679.5/19
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 31342.184+/-6.774 χ²/NDF: 749299.8/24
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 31006.217+/-4.897 χ²/NDF: 1520131.8/44
In: 31544.704+/-4.306 χ²/NDF:2247317.7/42
Out: 31497.681+/-4.132 χ²/NDF:2341006.9/49
All: 31520.225+/-2.981 χ²/NDF: 4588386.6/9

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -7.481+/-8.026 χ^2/NDF: 22.2/19

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -8.160+/-7.667 χ^2/NDF: 27.2/24

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

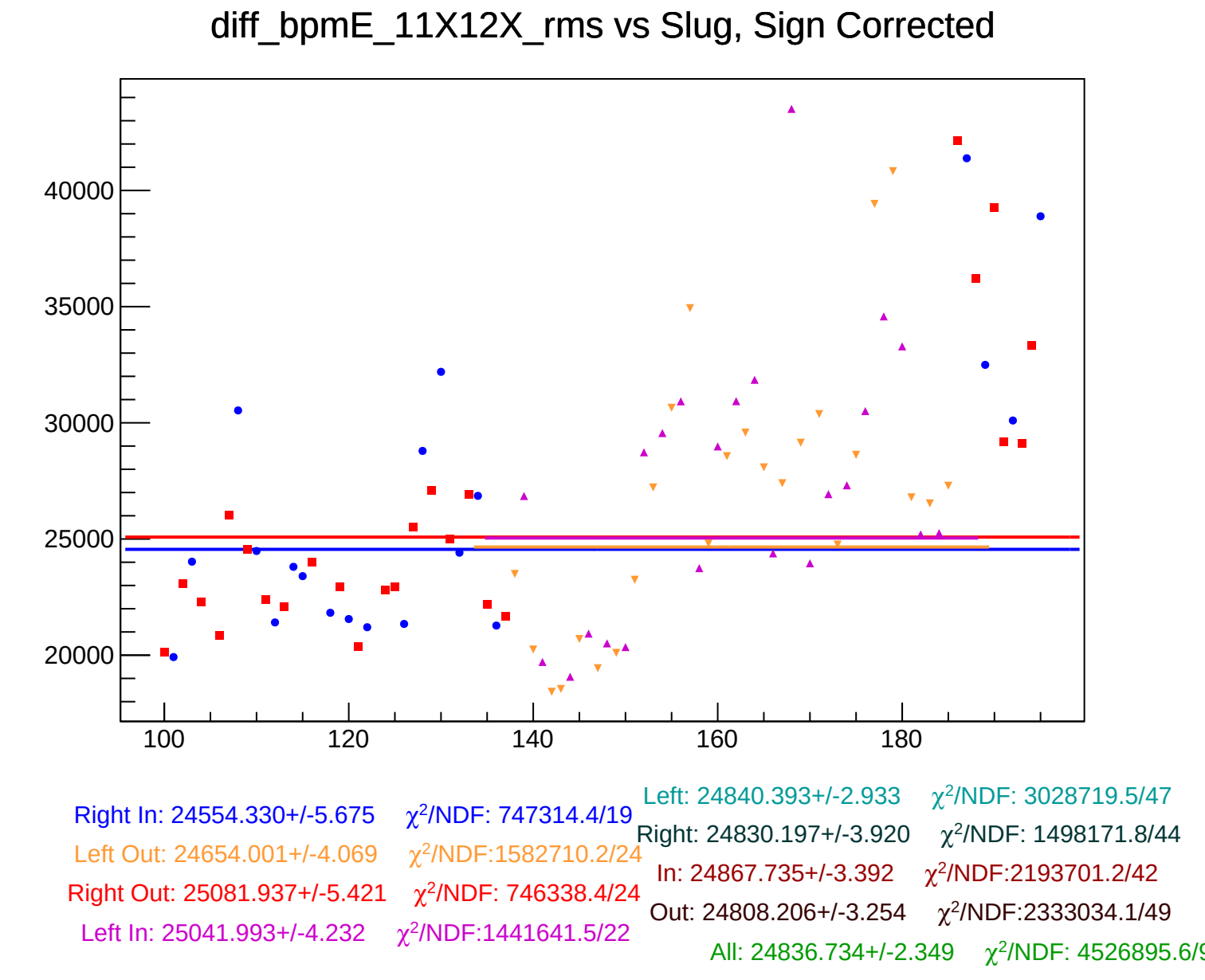
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -7.836+/-5.544 χ^2/NDF: 49.3/44

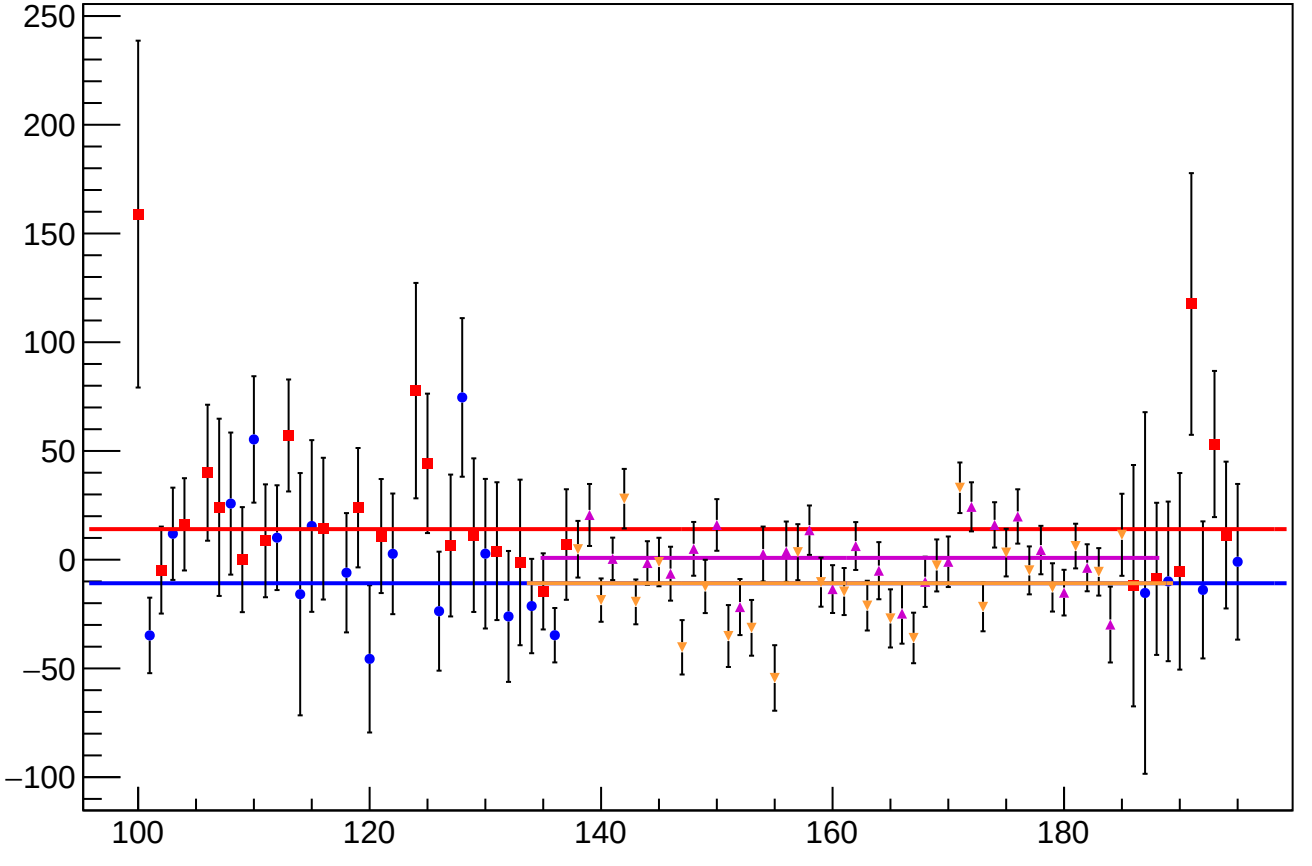
In: -2.579+/-4.798 χ^2/NDF:34.9/42

Out: -3.607+/-4.602 χ^2/NDF:60.0/49

All: -3.114+/-3.321 χ^2/NDF: 95.0/92


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
Right In: 24554.330+/-5.675 χ²/NDF: 747314.4/19
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 25081.937+/-5.421 χ²/NDF: 746338.4/24
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 24830.197+/-3.920 χ²/NDF: 1498171.8/44
In: 24867.735+/-3.392 χ²/NDF:2193701.2/42
Out: 24808.206+/-3.254 χ²/NDF:2333034.1/49
All: 24836.734+/-2.349 χ²/NDF: 4526895.6/9

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -10.828+/-5.865 χ^2/NDF: 22.1/19

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 14.057+/-5.952 χ^2/NDF: 19.0/24

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

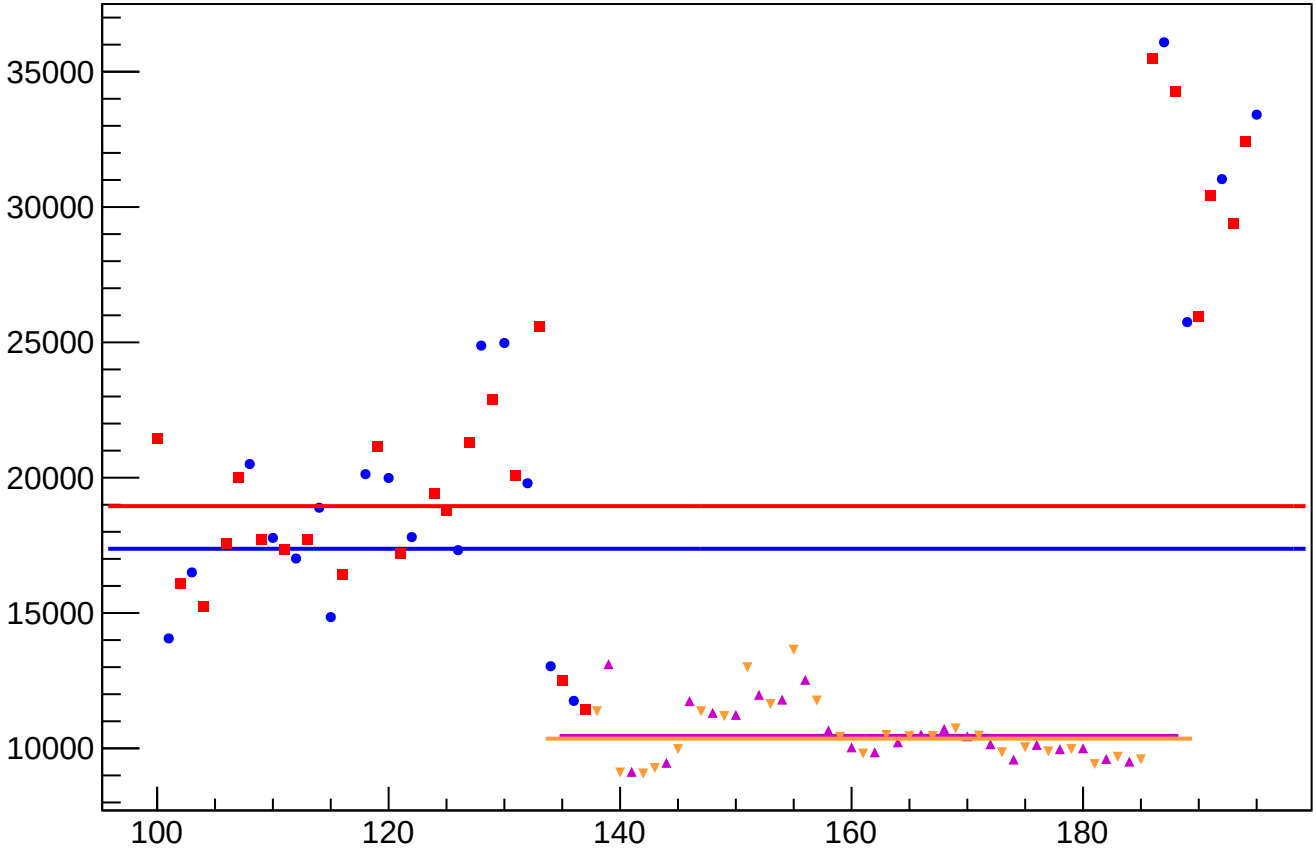
Right: 1.430+/-4.178 χ^2/NDF: 50.0/44

In: -0.914+/-2.266 χ^2/NDF:54.9/42

Out: -7.417+/-2.202 χ^2/NDF:95.4/49

All: -4.259+/-1.579 χ^2/NDF: 154.5/92

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 17373.392+/-4.147 χ^2/NDF: 1799262.4/19

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 18948.623+/-4.209 χ^2/NDF: 1898602.8/24

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

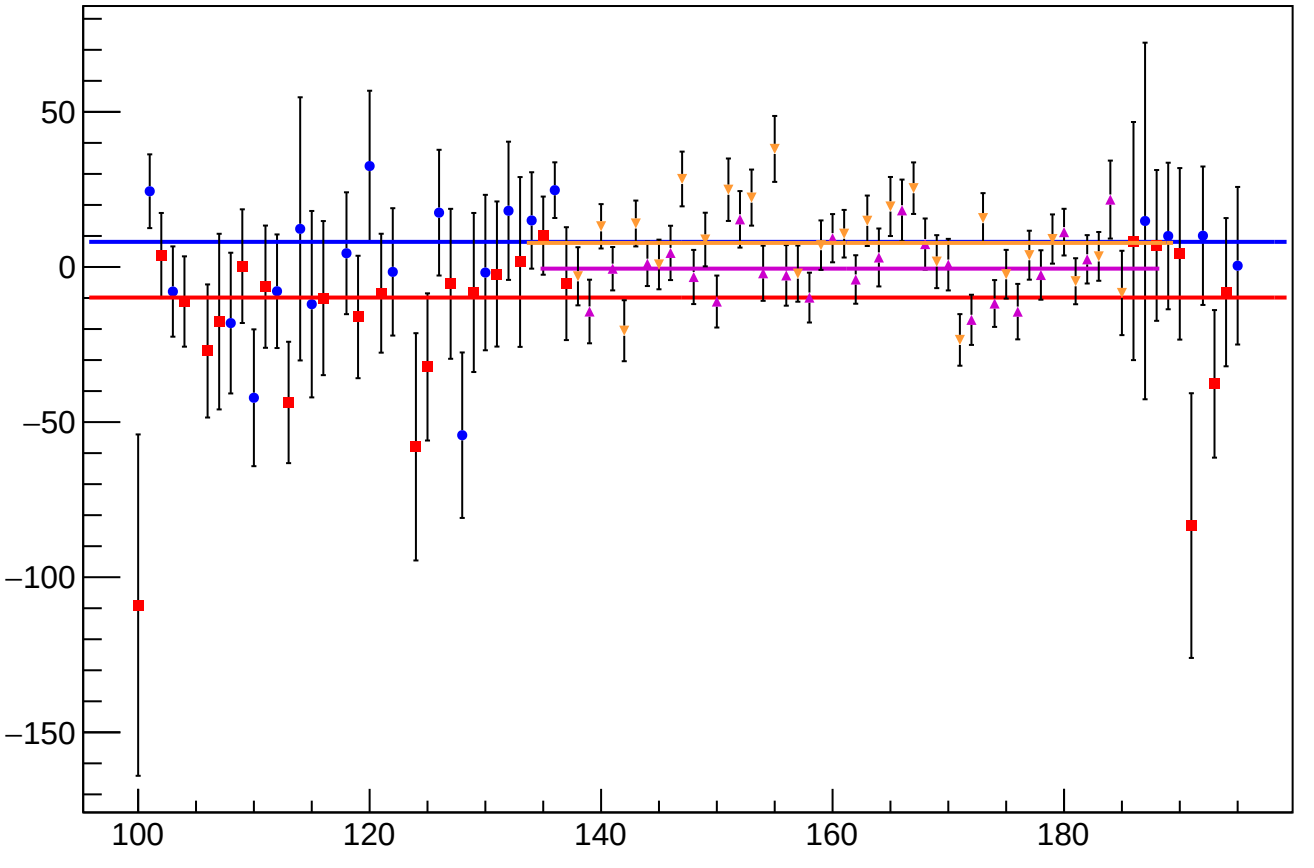
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 18149.346+/-2.954 χ^2/NDF: 3768934.2/44

In: 11491.385+/-1.602 χ^2/NDF:4478595.7/42

Out: 11534.112+/-1.557 χ^2/NDF:5856911.8/49

All: 11513.361+/-1.117 χ^2/NDF: 10335873.2



Right In: 8.100+/-4.197 χ^2/NDF: 21.9/19

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -9.849+/-4.269 χ^2/NDF: 19.2/24

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

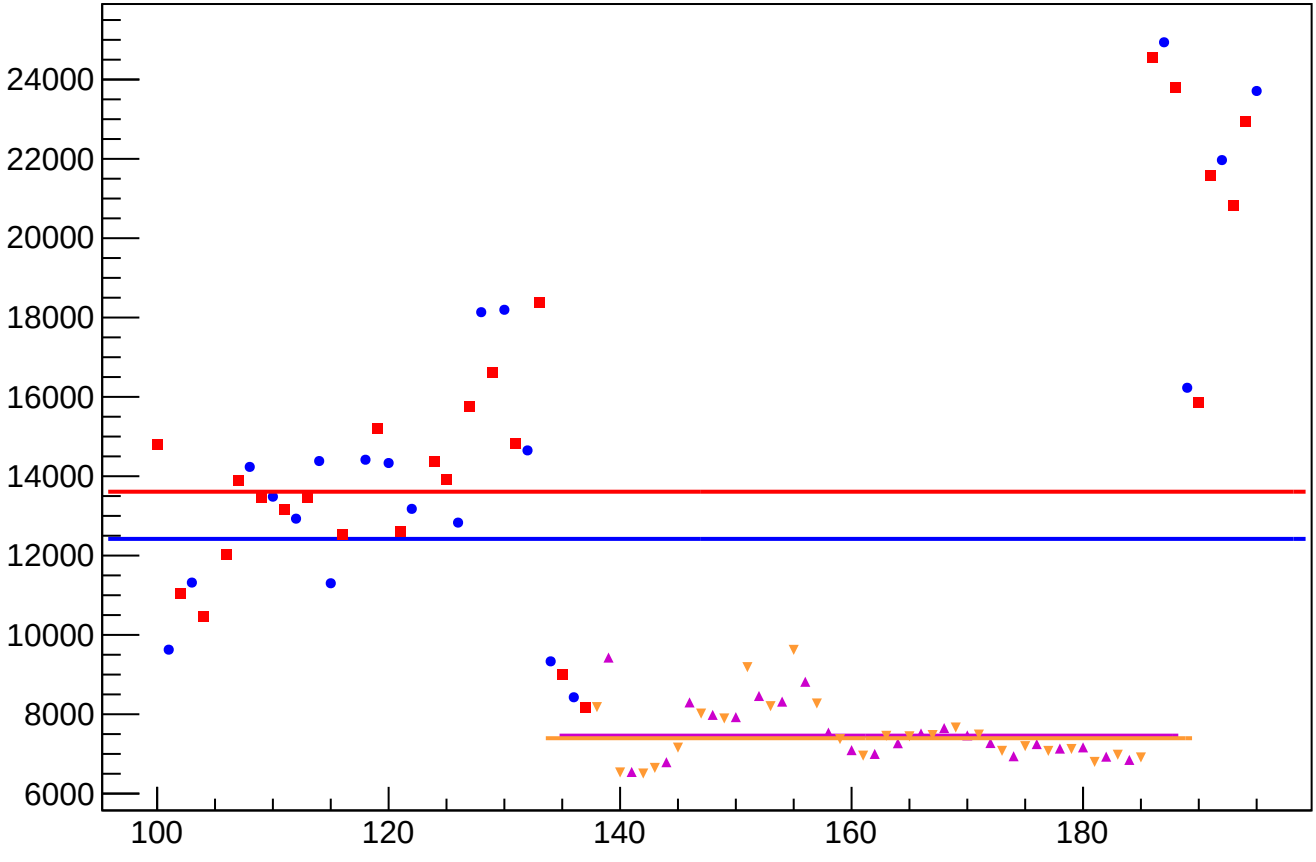
Right: -0.721+/-2.993 χ^2/NDF: 50.1/44

In: 0.749+/-1.617 χ^2/NDF:55.0/42

Out: 5.374+/-1.573 χ^2/NDF:94.8/49

All: 3.126+/-1.127 χ^2/NDF: 154.0/92

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 12420.270+/-2.968 χ^2/NDF: 1786018.7/19

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 13609.644+/-3.019 χ^2/NDF: 1844306.9/24

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

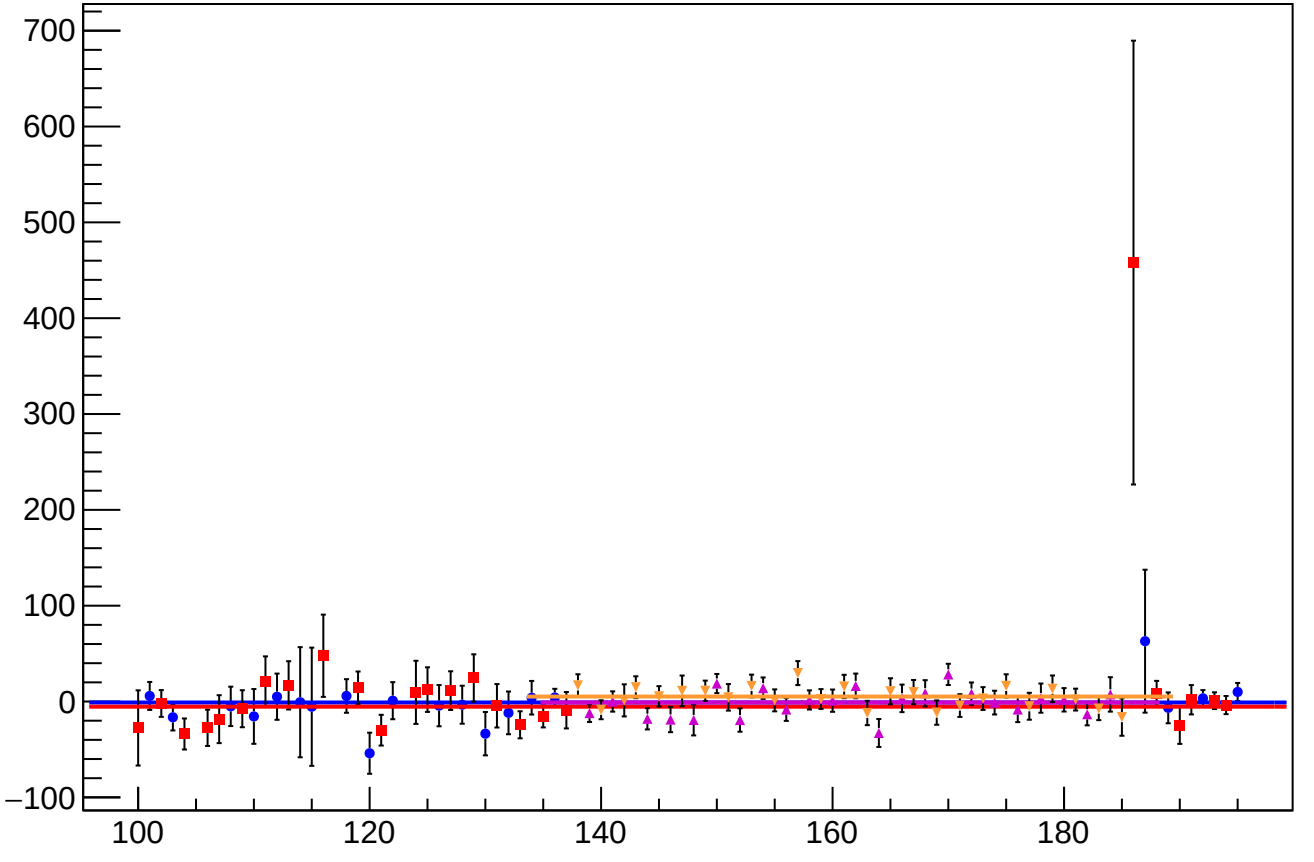
Right: 13004.761+/-2.116 χ^2/NDF: 3709263.1/44

In: 8196.815+/-1.143 χ^2/NDF:4448469.6/42

Out: 8238.694+/-1.112 χ^2/NDF:5830734.3/49

All: 8218.335+/-0.797 χ^2/NDF: 10279893.5/9

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -1.005+/-3.603 χ^2/NDF: 13.3/19

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -5.376+/-3.361 χ^2/NDF: 24.4/24

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

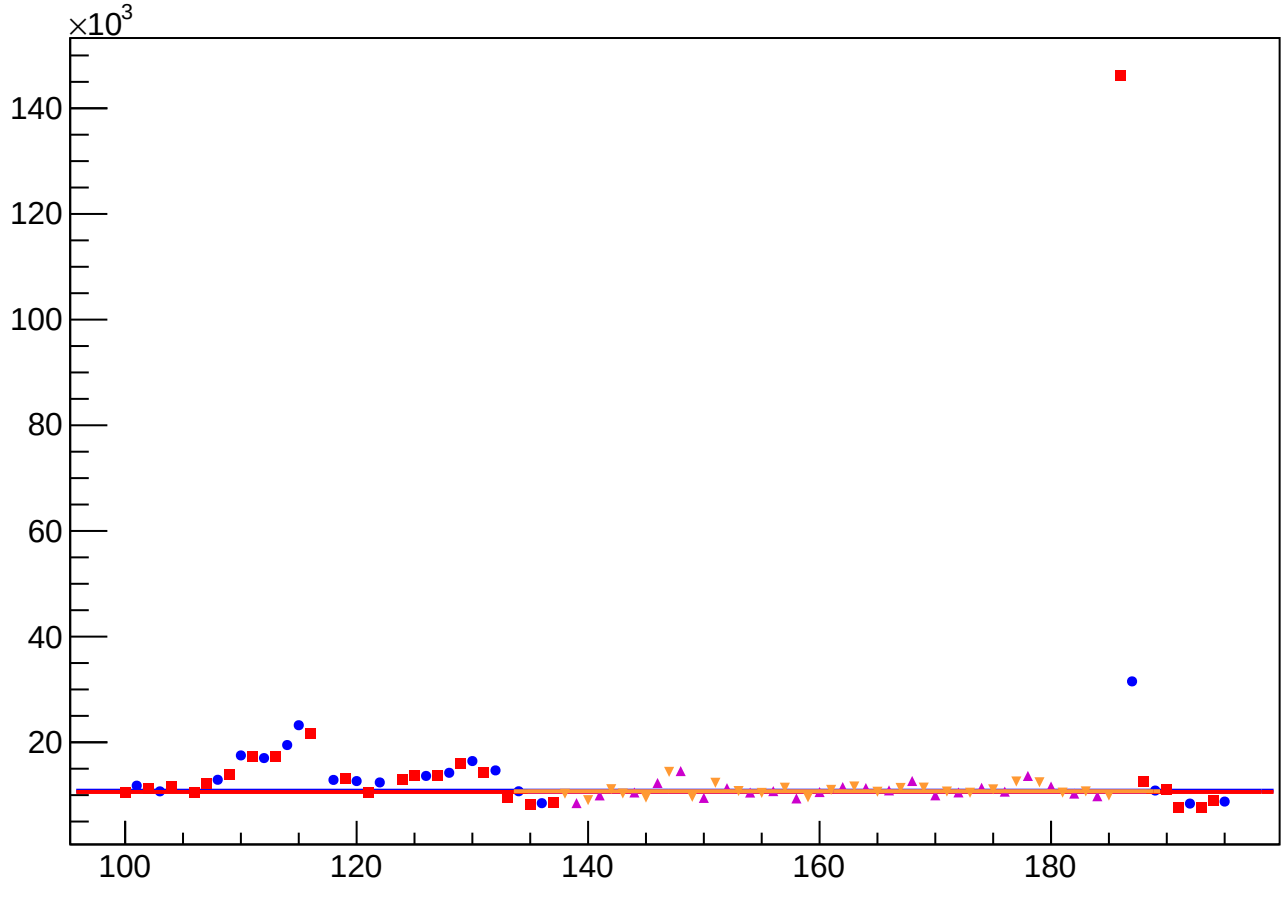
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -3.342+/-2.458 χ^2/NDF: 38.5/44

In: -0.929+/-2.064 χ^2/NDF:45.1/42

Out: 1.498+/-1.984 χ^2/NDF:49.2/49

All: 0.333+/-1.431 χ^2/NDF: 95.1/92



Right In: 10834.335+/-2.548 χ^2/NDF: 1271989.3/19

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10596.613+/-2.376 χ^2/NDF: 1988329.1/24

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

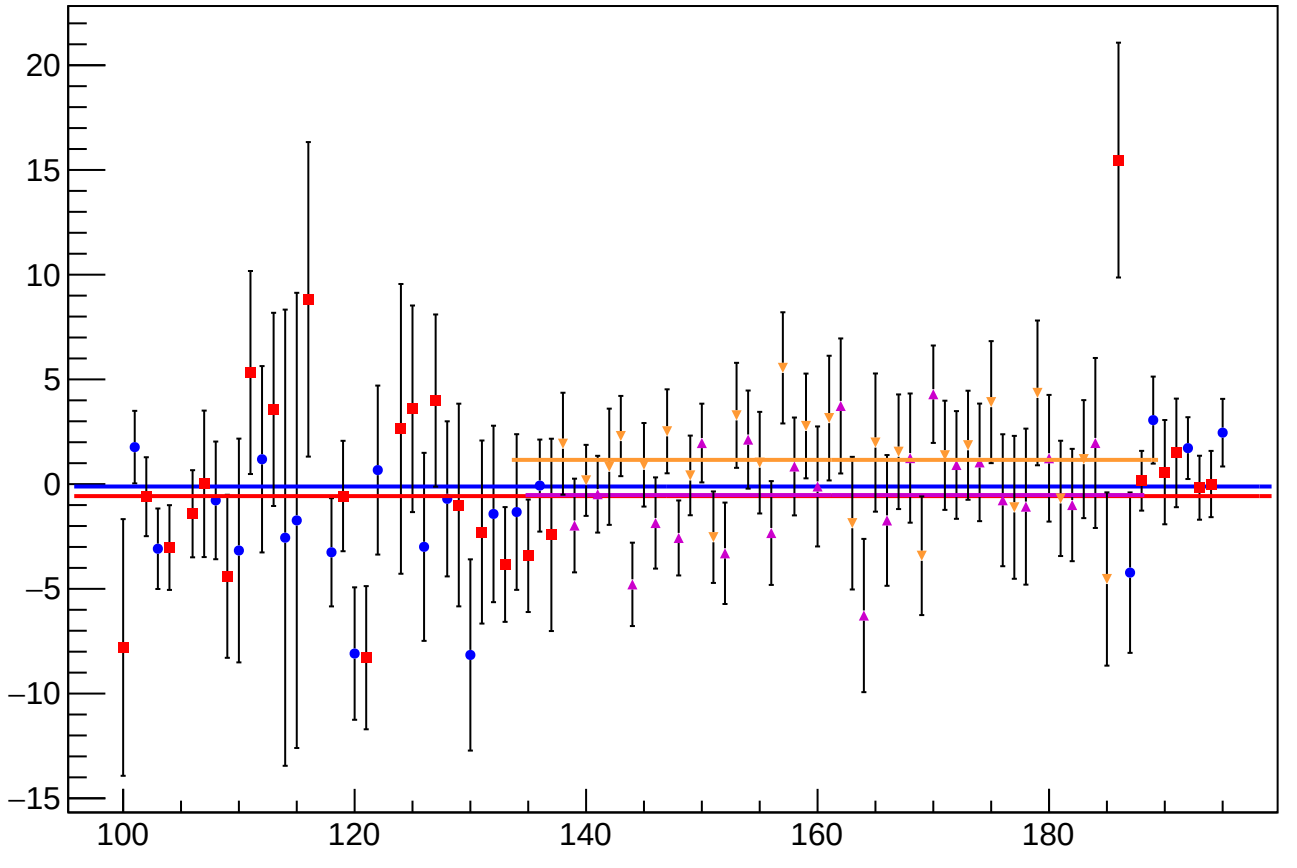
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10707.206+/-1.738 χ^2/NDF: 3264973.8/44

In: 10728.741+/-1.460 χ^2/NDF:1775120.4/42

Out: 10685.925+/-1.403 χ^2/NDF:2358777.4/49

All: 10706.489+/-1.012 χ^2/NDF: 4134344.9/9



Right In: -0.114+/-0.598 χ^2/NDF: 23.3/19

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.572+/-0.537 χ^2/NDF: 27.5/24

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

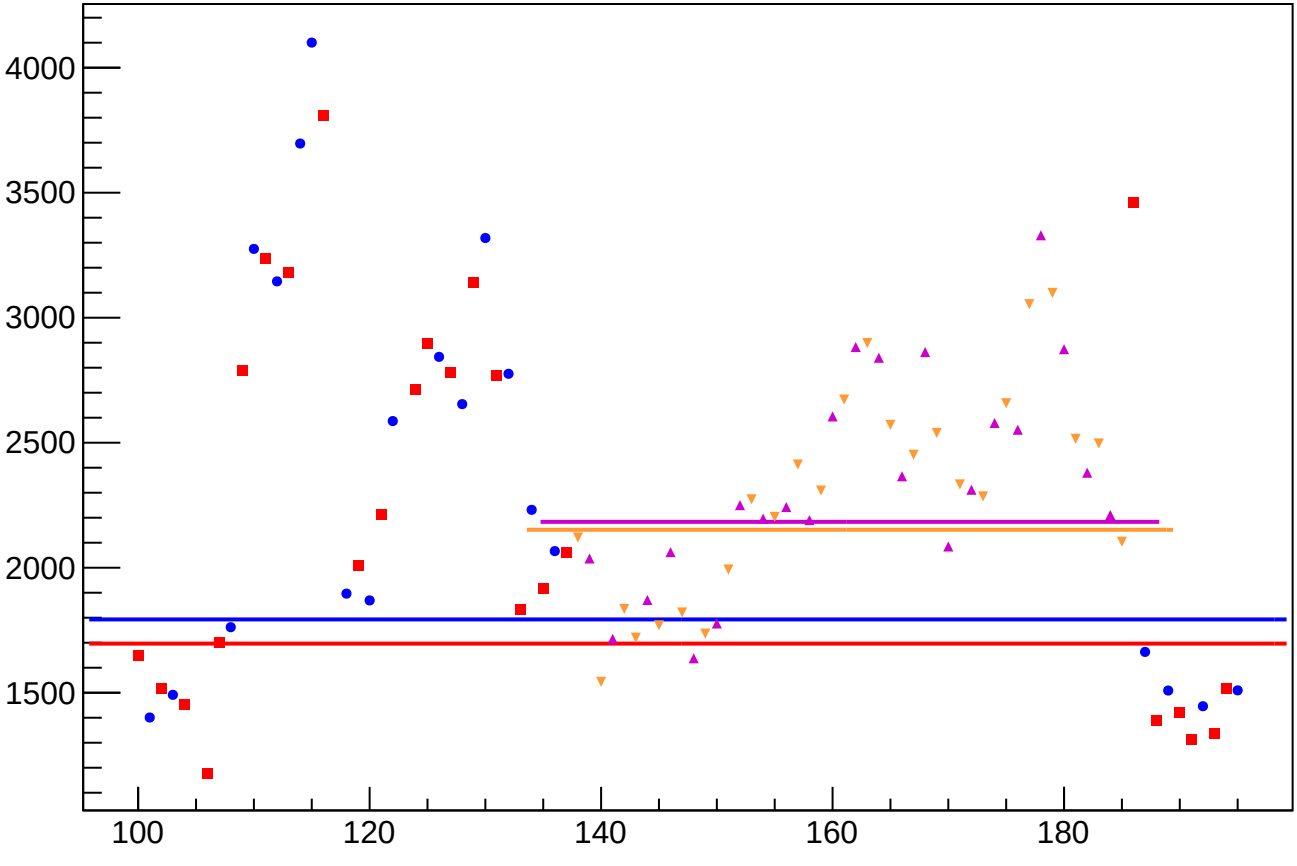
Right: -0.368+/-0.400 χ^2/NDF: 51.1/44

In: -0.346+/-0.392 χ^2/NDF:45.9/42

Out: 0.354+/-0.366 χ^2/NDF:49.9/49

All: 0.028+/-0.268 χ^2/NDF: 97.5/92

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1793.200+/-0.423 χ^2/NDF: 1544661.2/19

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1696.490+/-0.380 χ^2/NDF: 2096965.6/24

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

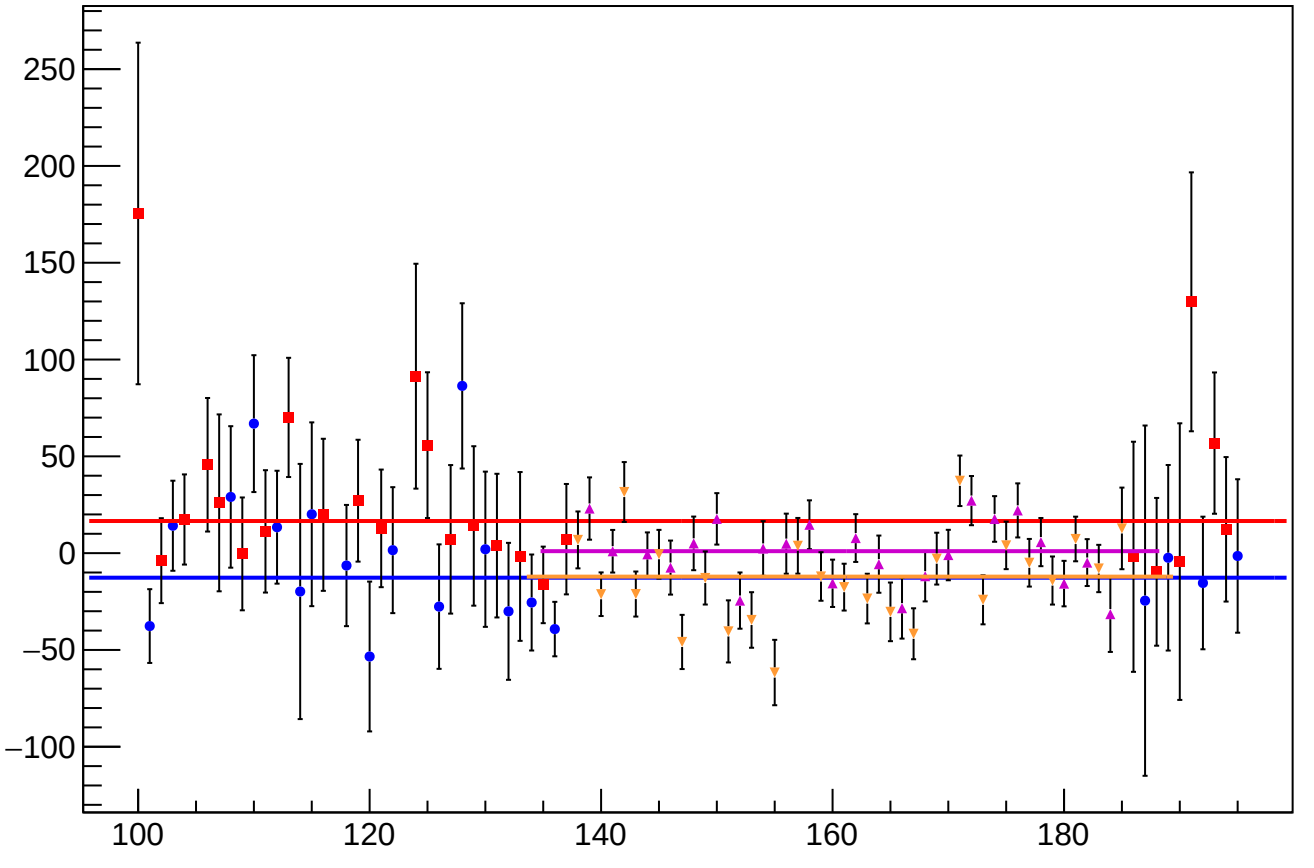
Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

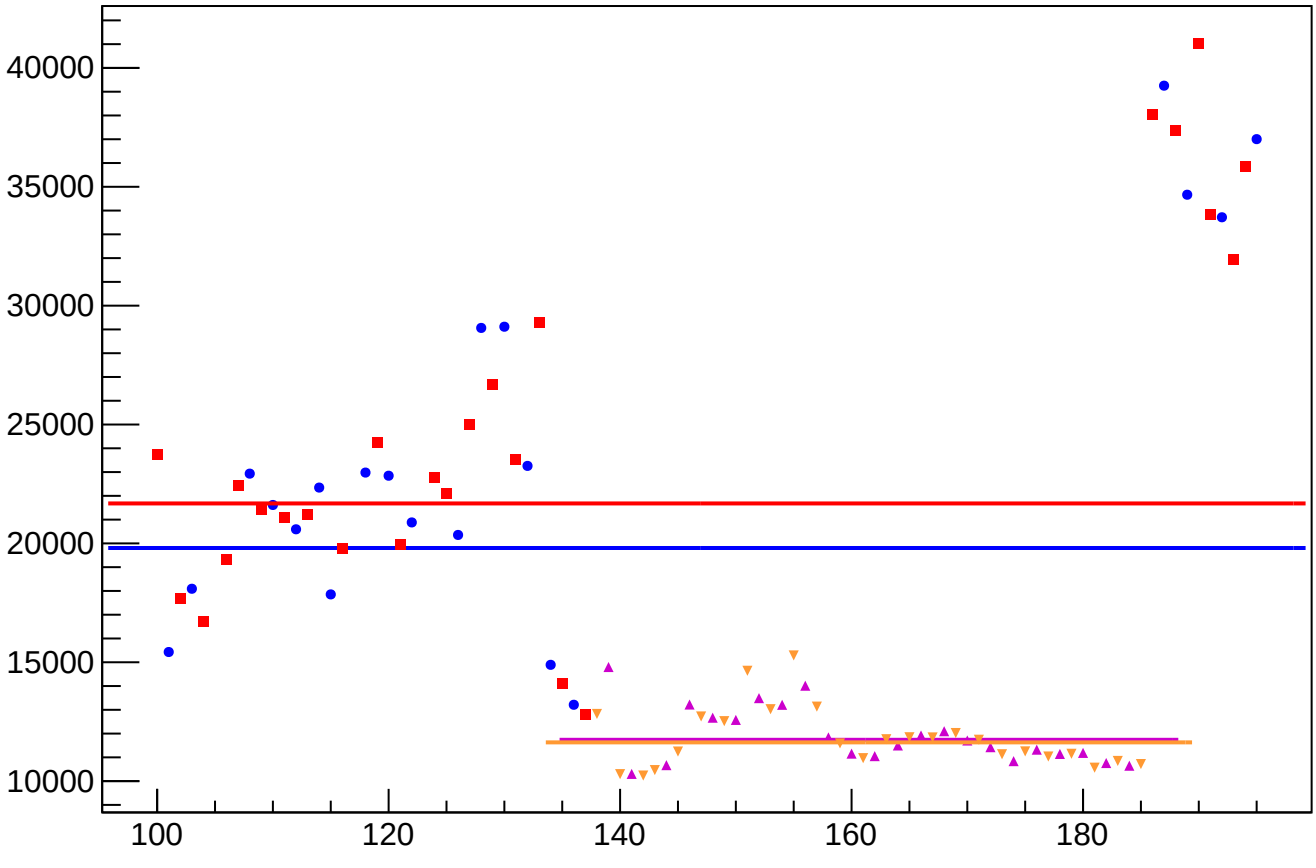
Right: 1739.655+/-0.283 χ^2/NDF: 3670563.1/44

In: 2015.570+/-0.277 χ^2/NDF:3191890.2/42

Out: 1940.348+/-0.259 χ^2/NDF:4216066.5/49

All: 1975.347+/-0.189 χ^2/NDF: 7447255.4/92


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
Right In: -12.679+/-6.696 χ²/NDF: 22.0/19
Left Out: -12.135+/-2.661 χ²/NDF:62.6/24
Right Out: 16.598+/-6.817 χ²/NDF: 19.1/24
Left In: 1.024+/-2.758 χ²/NDF:28.8/22
Left: -5.790+/-1.915 χ²/NDF: 103.2/47
Right: 1.697+/-4.777 χ²/NDF: 50.5/44
In: -0.963+/-2.550 χ²/NDF:54.4/42
Out: -8.335+/-2.479 χ²/NDF:97.2/49
All: -4.753+/-1.777 χ²/NDF: 155.9/92



Right In: 19806.418+/-4.735 χ^2/NDF: 1910260.1/19

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 21680.698+/-4.820 χ^2/NDF: 1939862.9/24

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

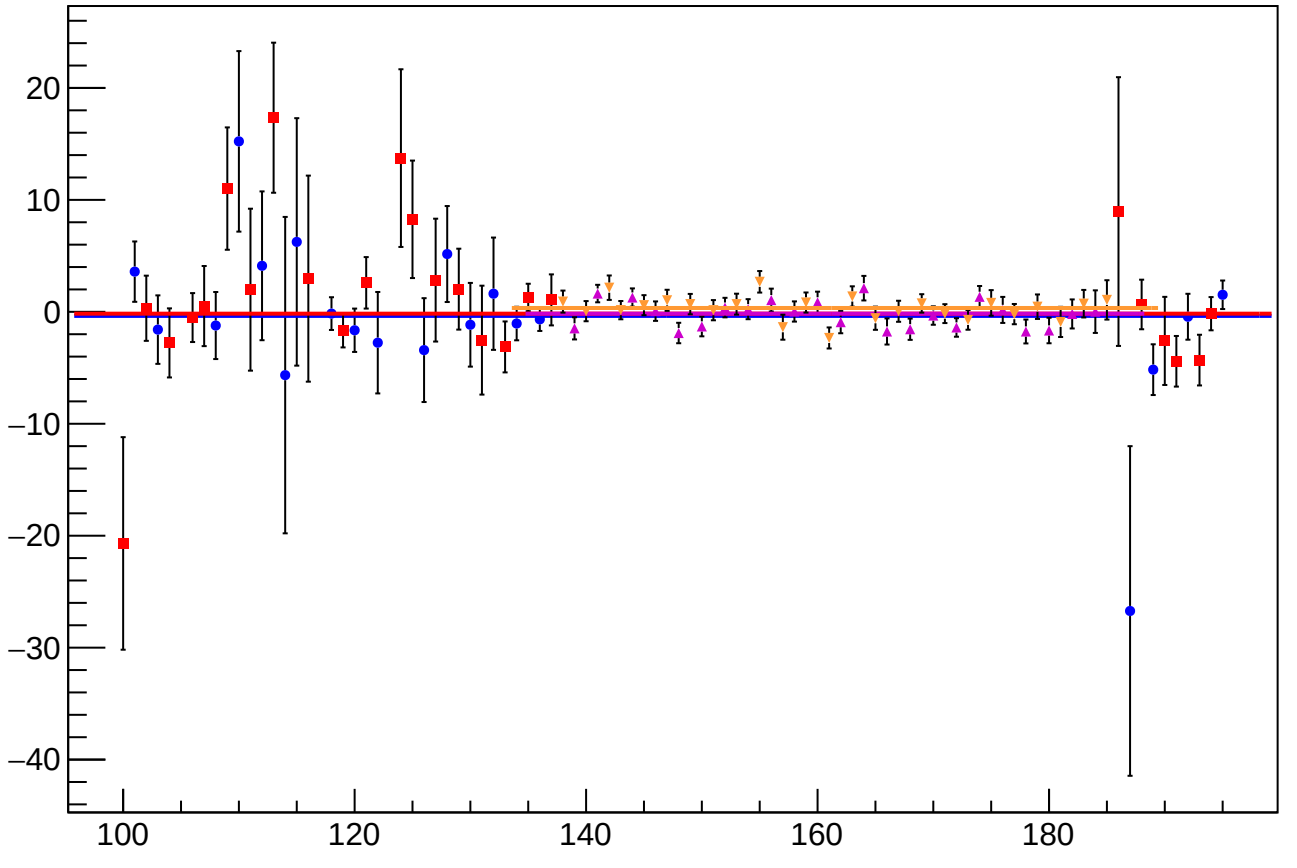
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 20726.787+/-3.378 χ^2/NDF: 3927067.1/44

In: 12908.232+/-1.803 χ^2/NDF:4706264.8/42

Out: 12959.169+/-1.753 χ^2/NDF:6068246.5/49

All: 12934.418+/-1.257 χ^2/NDF: 10774921.6



Right In: -0.363+/-0.511 χ^2/NDF: 20.3/19

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.166+/-0.526 χ^2/NDF: 37.0/24

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

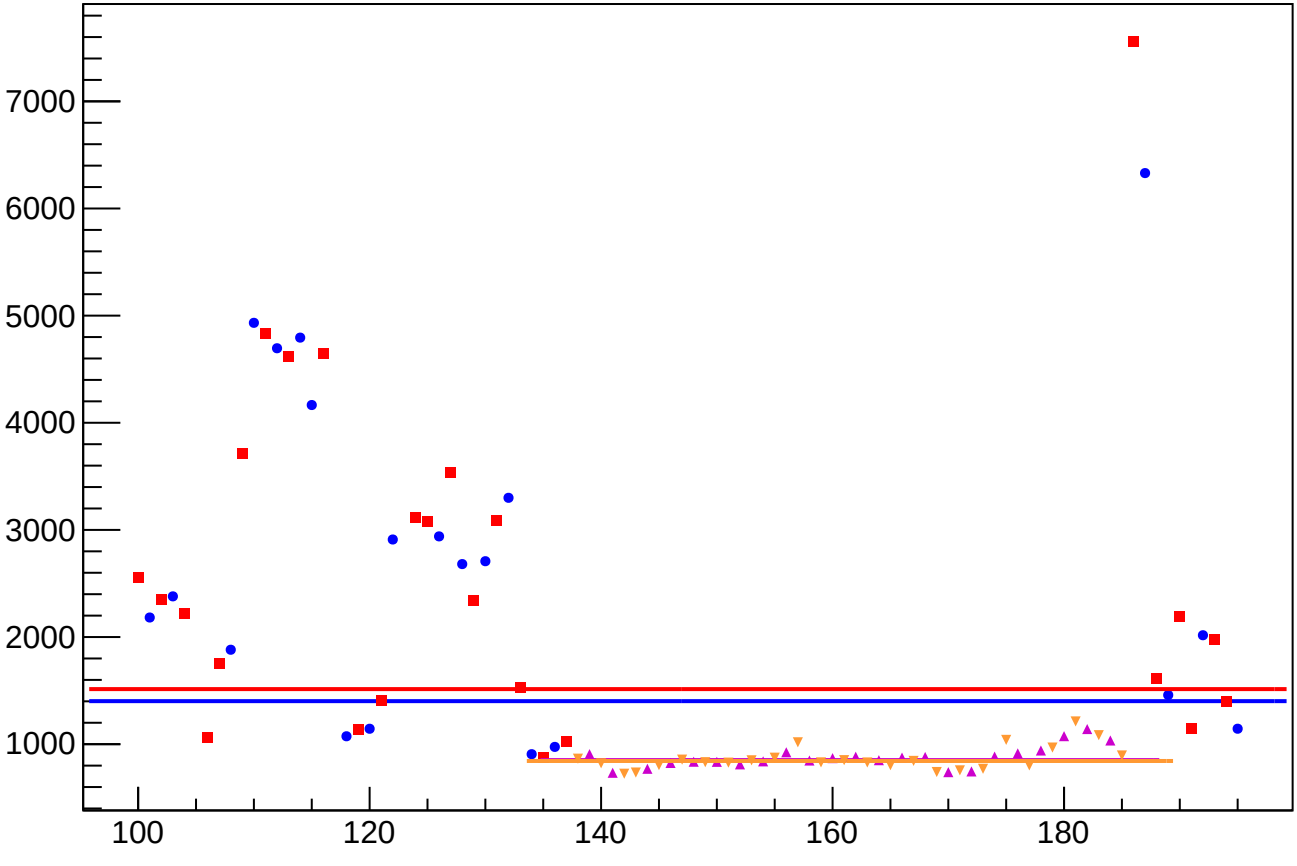
Right: -0.267+/-0.367 χ^2/NDF: 57.4/44

In: -0.192+/-0.187 χ^2/NDF:56.8/42

Out: 0.282+/-0.182 χ^2/NDF:64.6/49

All: 0.052+/-0.130 χ^2/NDF: 124.7/92

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1401.736+/-0.361 χ^2/NDF: 3868453.2/19

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1514.160+/-0.372 χ^2/NDF: 4123818.3/24

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

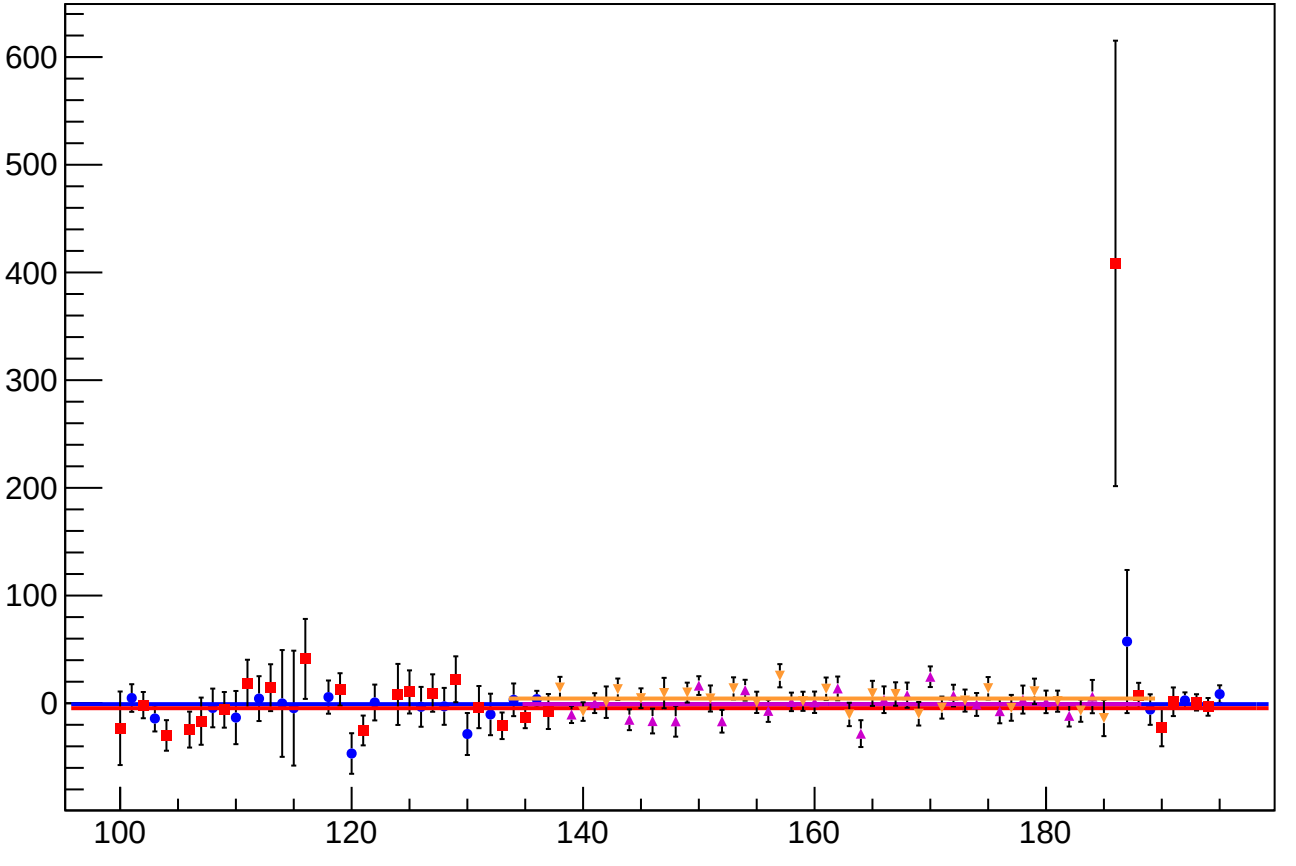
Right: 1456.280+/-0.259 χ^2/NDF: 8039237.9/44

In: 925.245+/-0.132 χ^2/NDF:6258708.4/42

Out: 923.317+/-0.129 χ^2/NDF:7489997.8/49

All: 924.254+/-0.092 χ^2/NDF: 13748815.5/92

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -0.838+/-3.126 χ^2/NDF: 13.0/19

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -4.599+/-2.921 χ^2/NDF: 24.4/24

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

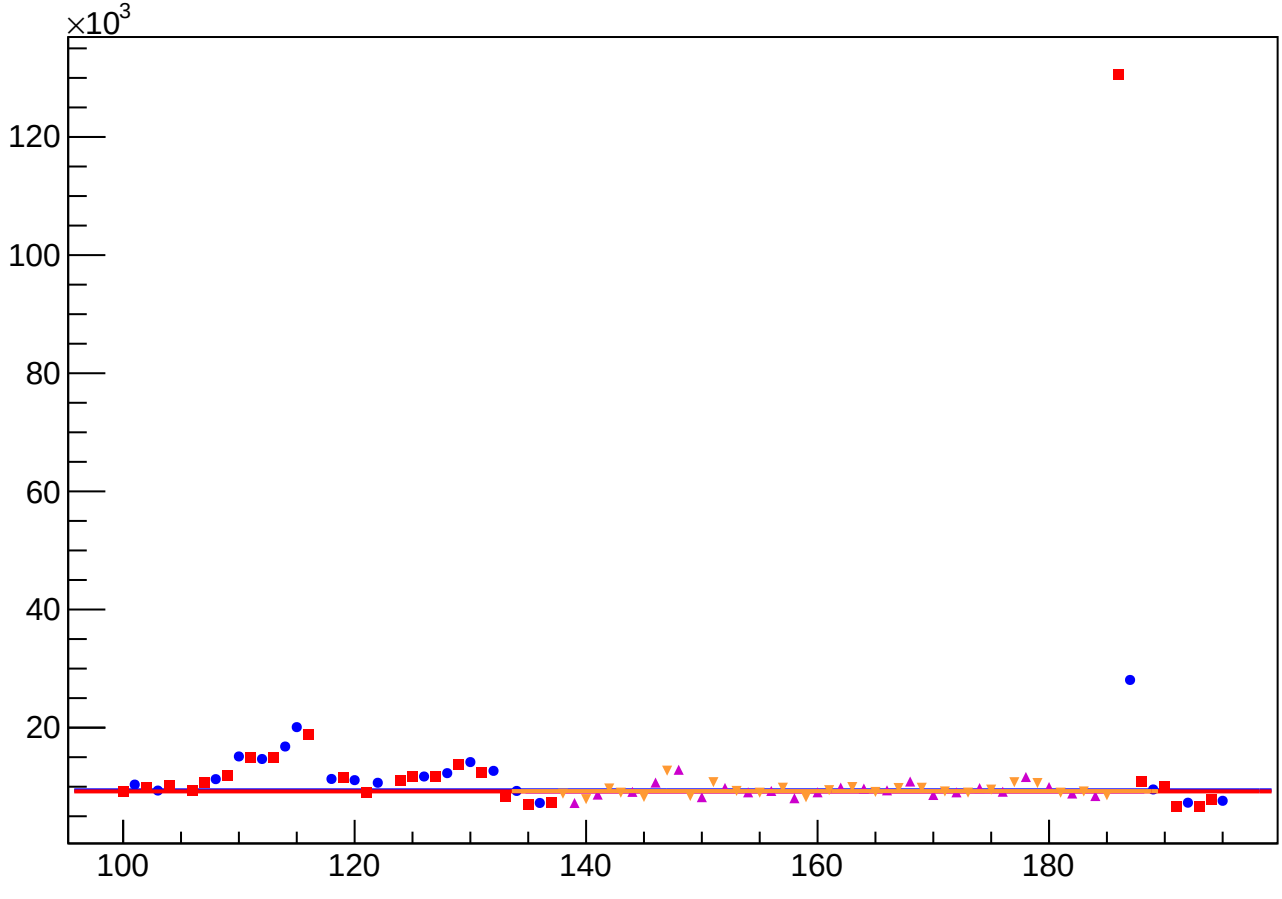
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -2.846+/-2.134 χ^2/NDF: 38.2/44

In: -0.768+/-1.783 χ^2/NDF:45.1/42

Out: 1.281+/-1.717 χ^2/NDF:49.2/49

All: 0.295+/-1.237 χ^2/NDF: 94.9/92



Right In: 9390.937+/-2.210 χ^2/NDF: 1289188.6/19

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 9204.785+/-2.066 χ^2/NDF: 1995192.6/24

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

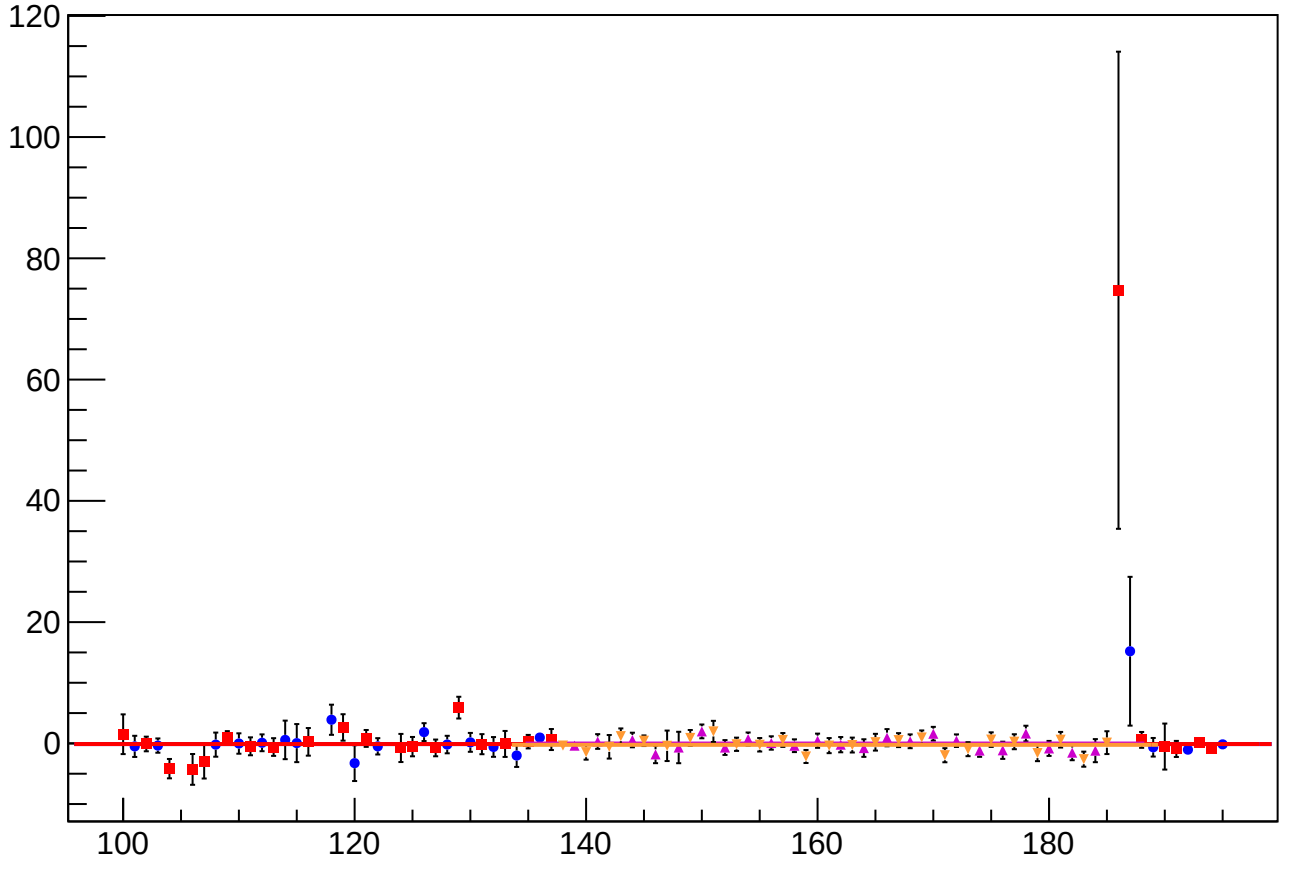
Right: 9291.586+/-1.509 χ^2/NDF: 3288167.5/44

In: 9261.816+/-1.261 χ^2/NDF:1809744.9/42

Out: 9241.944+/-1.214 χ^2/NDF:2361759.2/49

All: 9251.505+/-0.874 χ^2/NDF: 4171633.0/92

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.110+/-0.306 χ^2/NDF: 11.8/19

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.107+/-0.293 χ^2/NDF: 30.8/24

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

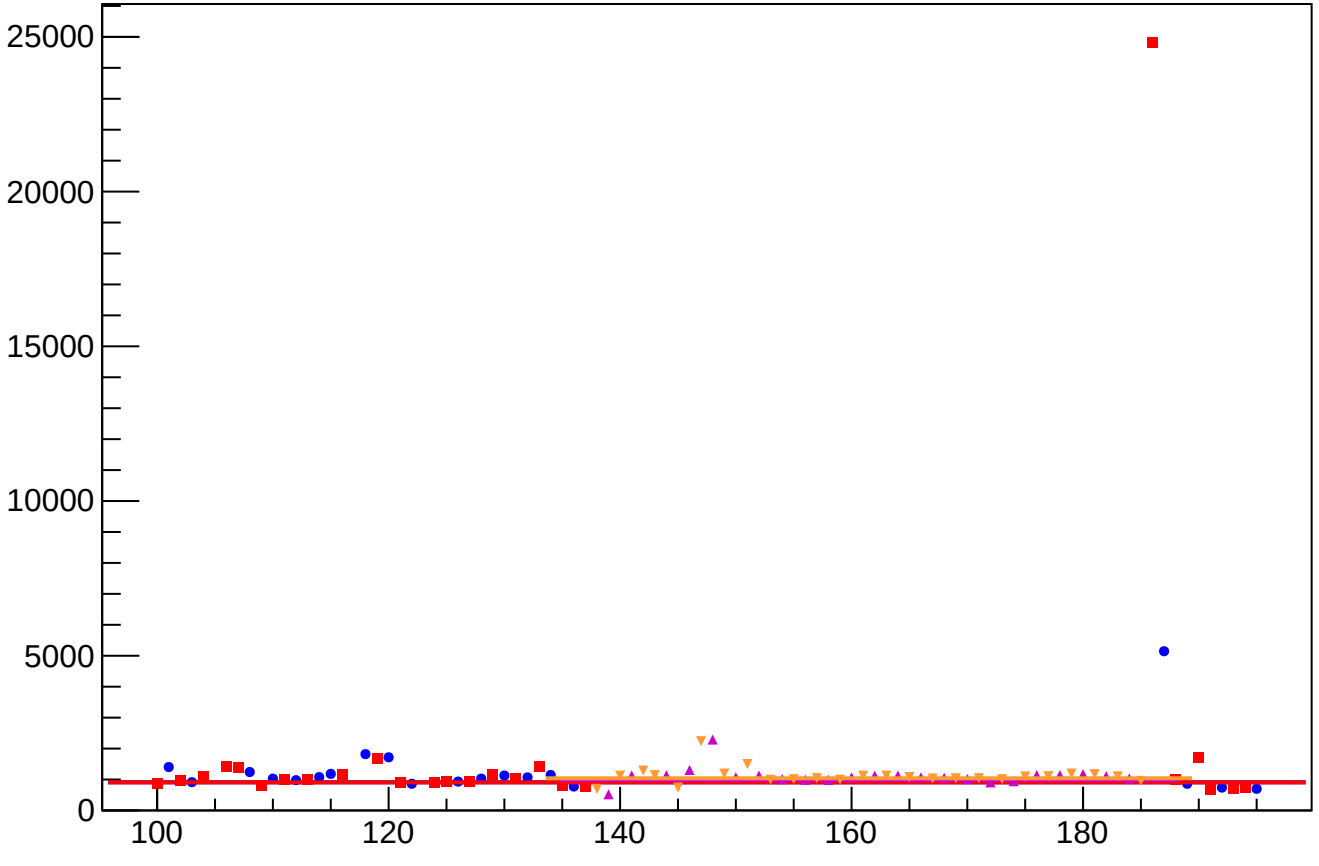
Right: -0.108+/-0.212 χ^2/NDF: 42.6/44

In: -0.057+/-0.188 χ^2/NDF:27.1/42

Out: -0.180+/-0.187 χ^2/NDF:49.8/49

All: -0.119+/-0.133 χ^2/NDF: 77.1/92

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 910.309+/-0.217 χ^2/NDF: 1328855.7/19

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 907.265+/-0.207 χ^2/NDF: 1792334.5/24

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

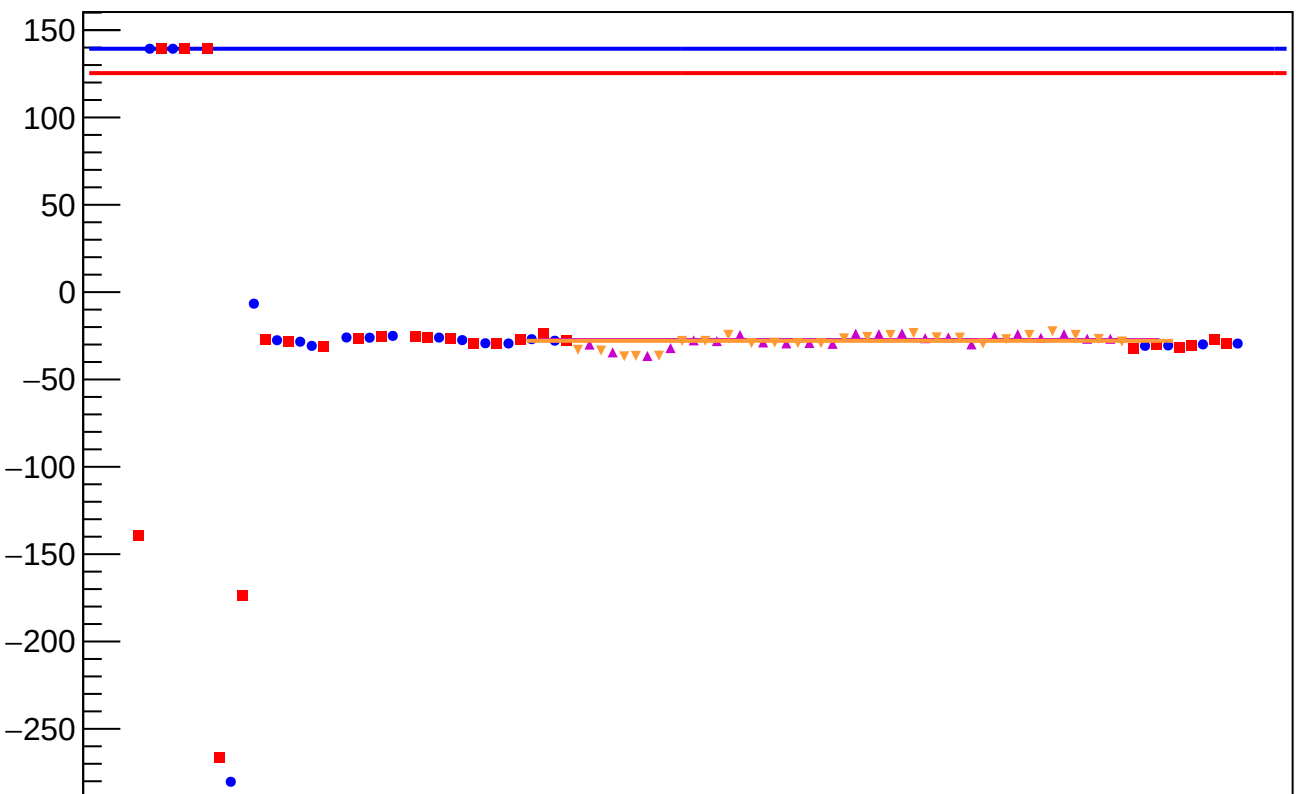
Right: 908.719+/-0.150 χ^2/NDF: 3121293.3/44

In: 954.664+/-0.133 χ^2/NDF:3621393.9/42

Out: 985.445+/-0.132 χ^2/NDF:3372892.8/49

All: 970.160+/-0.094 χ^2/NDF: 7021134.4/92

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 50765272699.9/19

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774178382307243.5/24

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

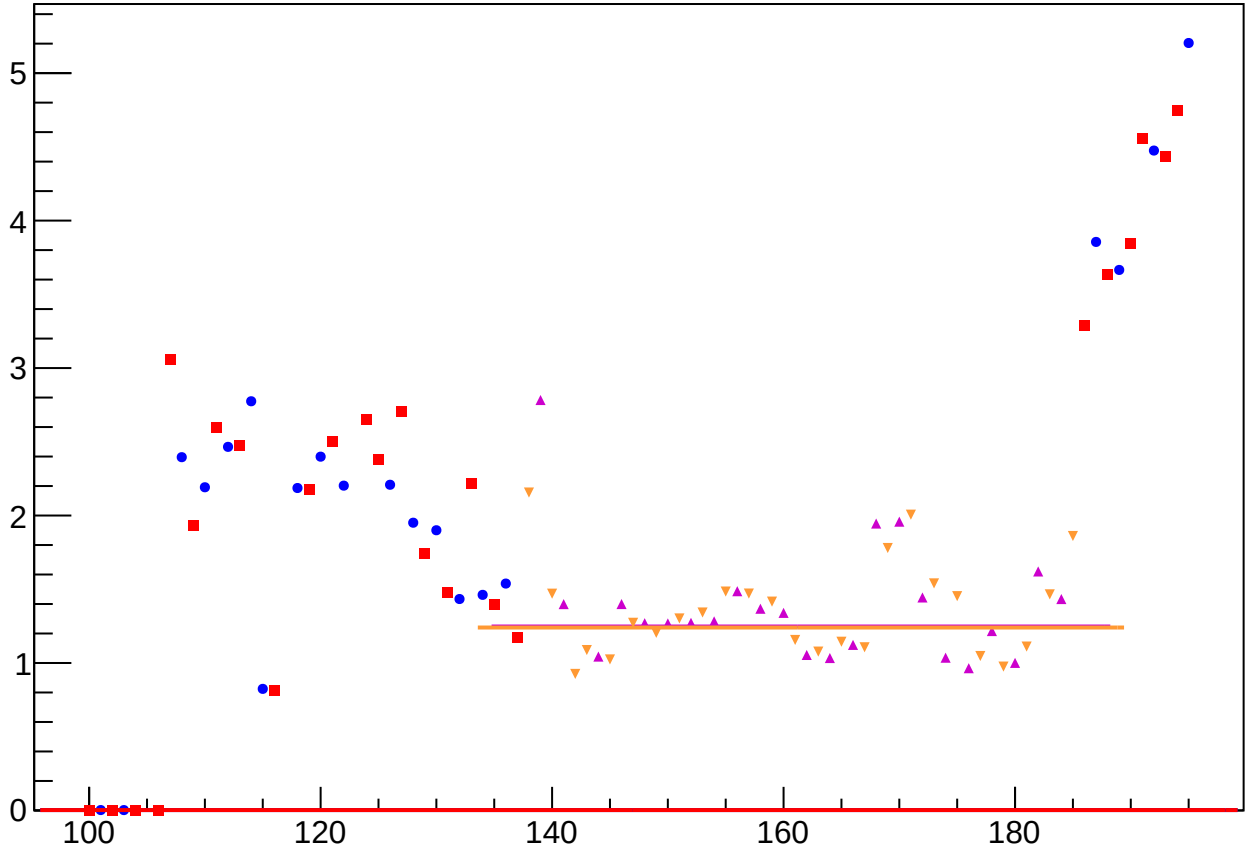
Right: 131.818+/-0.000 χ^2/NDF: 793014063823316

In: 139.328+/-0.000 χ^2/NDF:305164782659.8/42

Out: 125.384+/-0.000 χ^2/NDF:774409071000851.

All: 131.810+/-0.000 χ^2/NDF: 79349647760

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 14521825.7/19

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 16808537.7/24

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

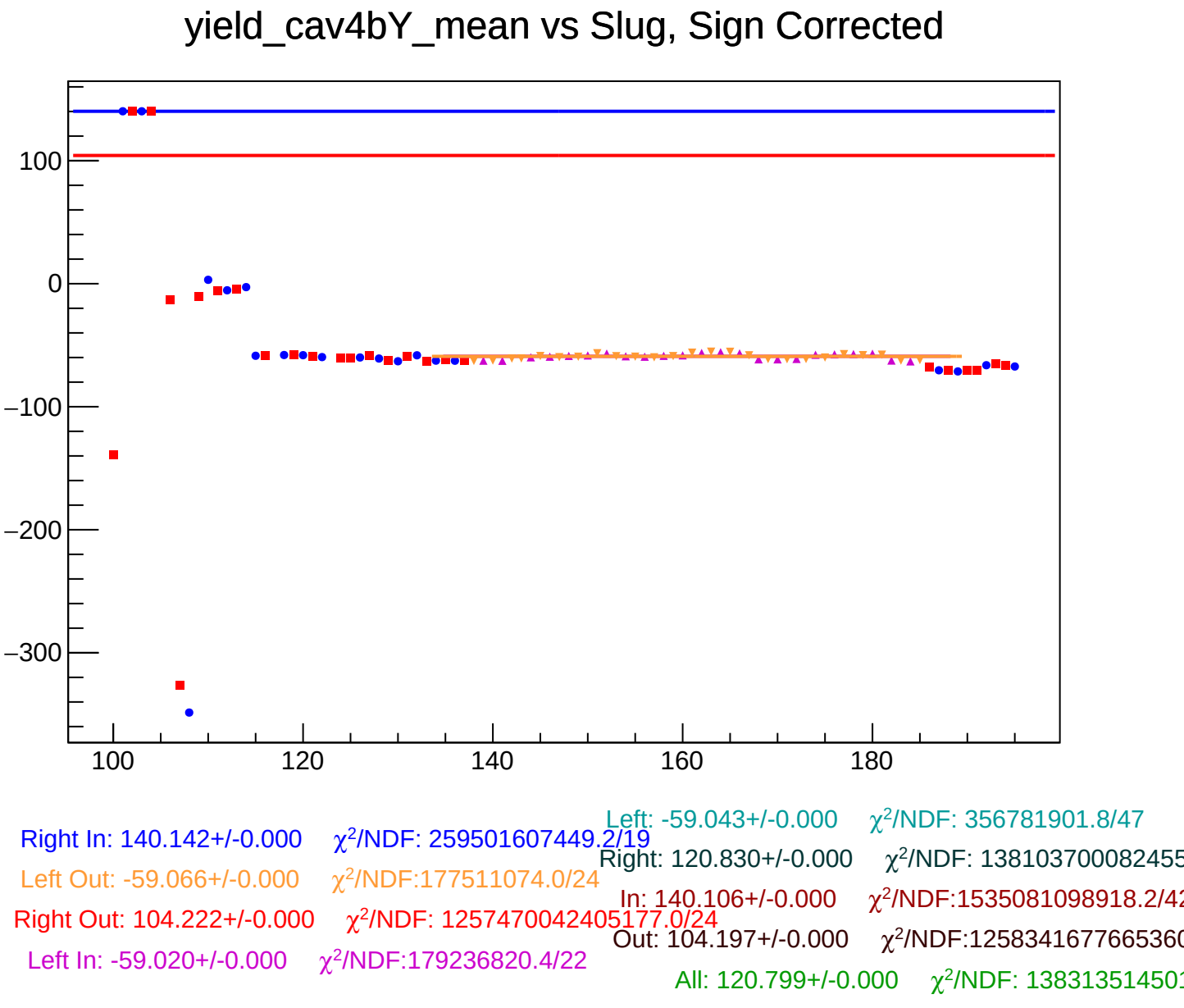
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 31330534.8/44

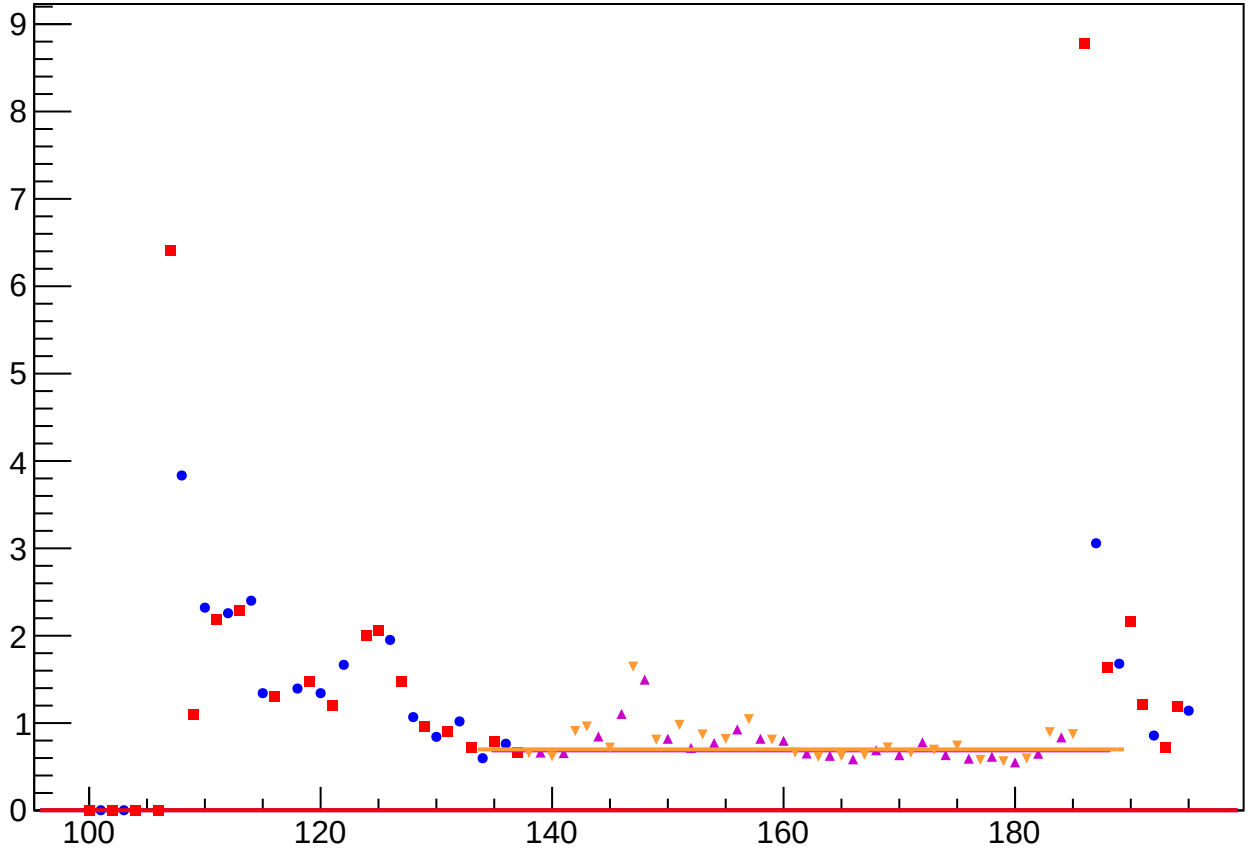
In: 0.003+/-0.000 χ^2/NDF:44287448.4/42

Out: 0.003+/-0.000 χ^2/NDF:48108728.5/49

All: 0.003+/-0.000 χ^2/NDF: 92396418.3/92


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
Right In: 140.142+/-0.000 χ²/NDF: 259501607449.2/19
Left Out: -59.066+/-0.000 χ²/NDF:177511074.0/24
Right Out: 104.222+/-0.000 χ²/NDF: 1257470042405177.0/24
Left In: -59.020+/-0.000 χ²/NDF:179236820.4/22
Left: -59.043+/-0.000 χ²/NDF: 356781901.8/47
Right: 120.830+/-0.000 χ²/NDF: 138103700082455
In: 140.106+/-0.000 χ²/NDF:1535081098918.2/42
Out: 104.197+/-0.000 χ²/NDF:125834167766536
All: 120.799+/-0.000 χ²/NDF: 13831351450

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 14643393.3/19

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 16587603.9/24

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

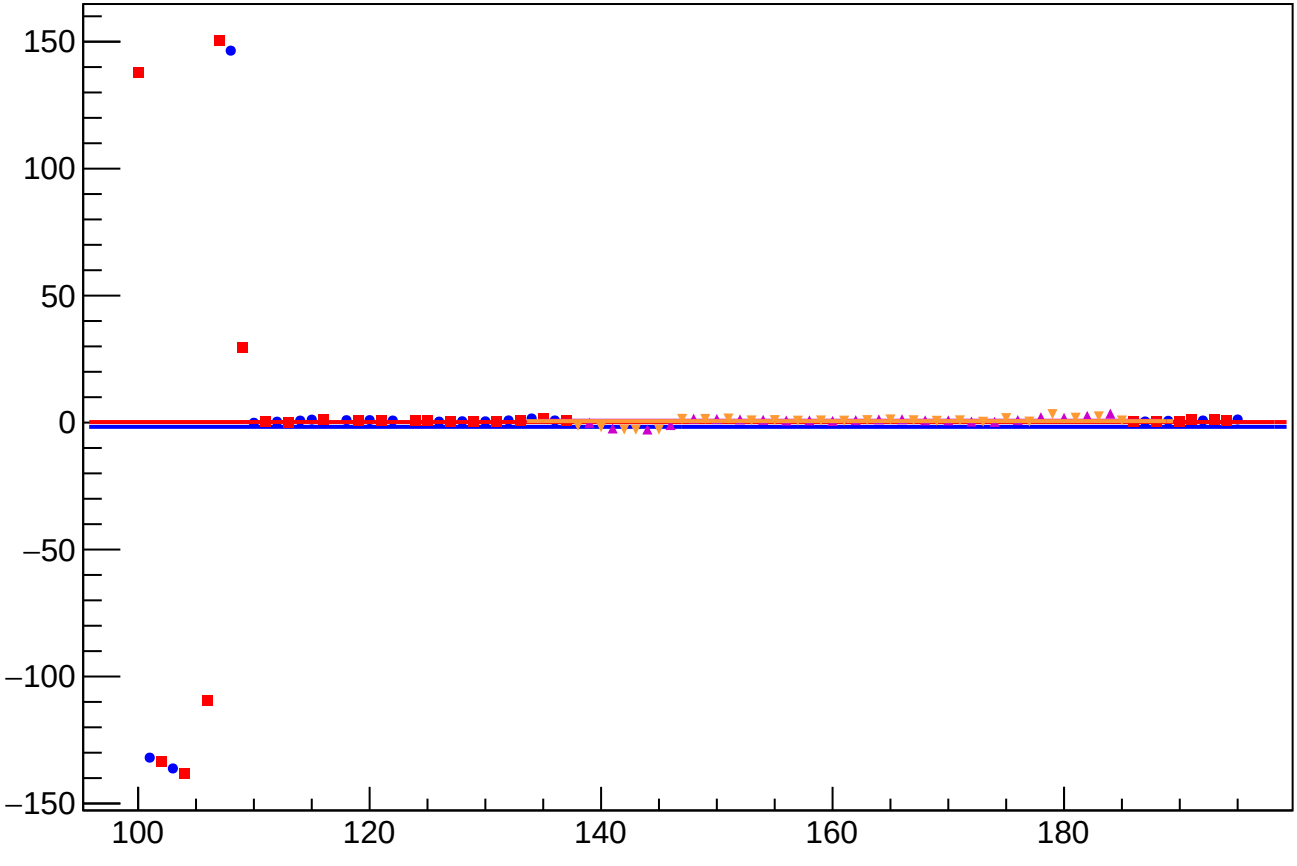
Right: 0.003+/-0.000 χ^2/NDF: 31231181.8/44

In: 0.003+/-0.000 χ^2/NDF:45949421.0/42

Out: 0.003+/-0.000 χ^2/NDF:49644721.9/49

All: 0.003+/-0.000 χ^2/NDF: 95594528.8/92

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.676+/-0.000 χ^2/NDF: 9893294952.6/19

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.213+/-0.000 χ^2/NDF: 3611723800.1/24

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

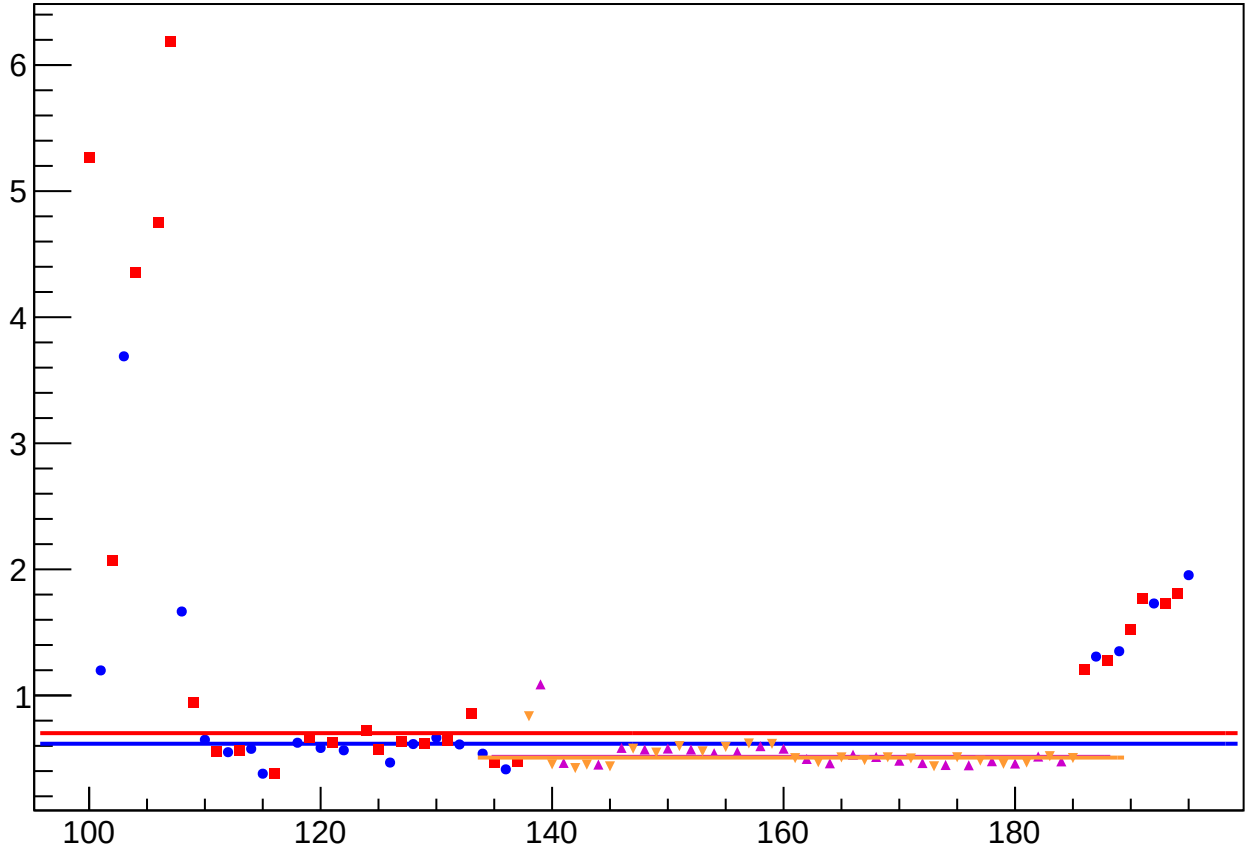
Right: -0.793+/-0.000 χ^2/NDF: 13533437622.1/44

In: 0.171+/-0.000 χ^2/NDF:10074218949.9/42

Out: 0.503+/-0.000 χ^2/NDF:3767661617.9/49

All: 0.340+/-0.000 χ^2/NDF: 13846002759.4/9

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.617+/-0.000 χ^2/NDF: 3669694.0/19

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.701+/-0.000 χ^2/NDF: 4797429.7/24

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

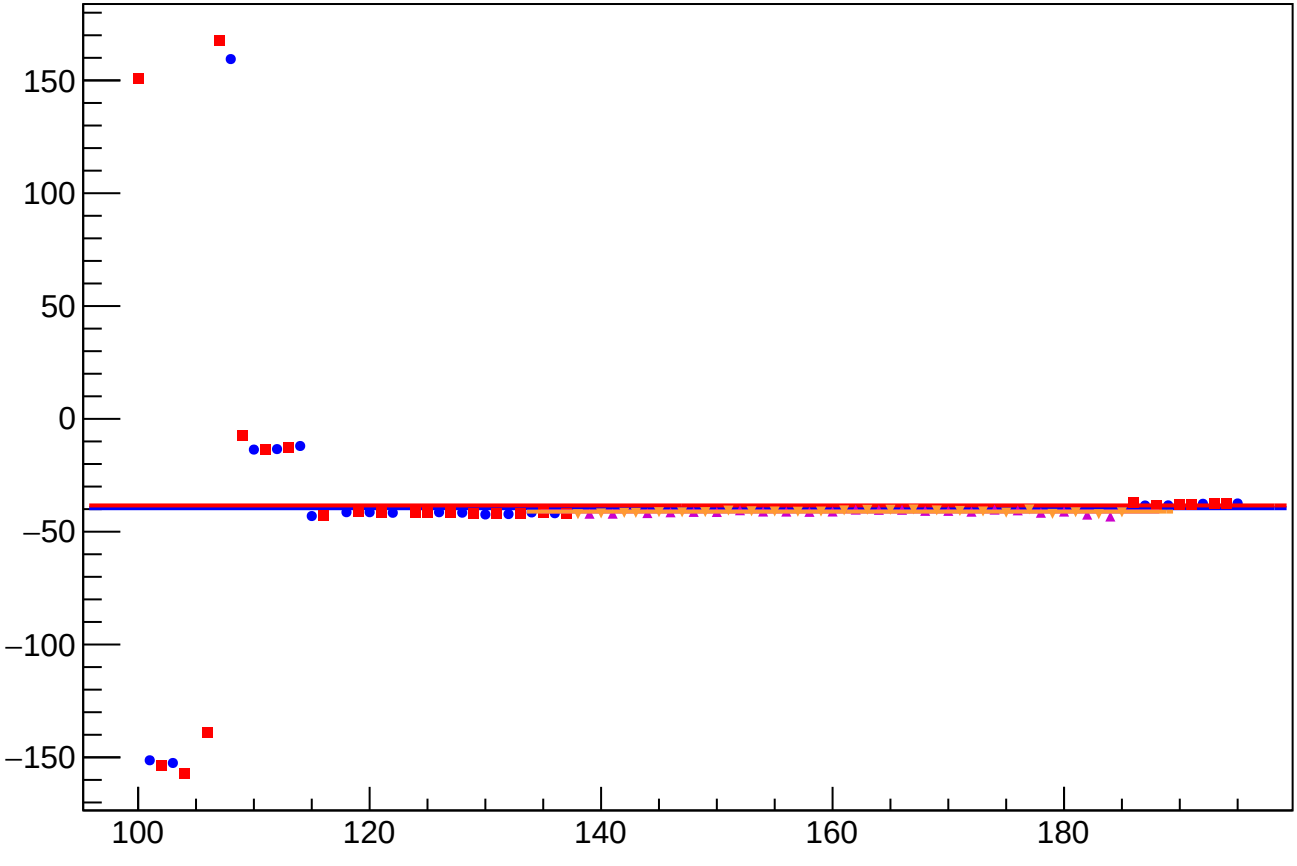
Right: 0.656+/-0.000 χ^2/NDF: 8579648.0/44

In: 0.537+/-0.000 χ^2/NDF:4705950.4/42

Out: 0.545+/-0.000 χ^2/NDF:6254336.1/49

All: 0.541+/-0.000 χ^2/NDF: 10965289.4/92

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -39.594+/-0.000 χ^2/NDF: 3535742962.6/19

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.367+/-0.000 χ^2/NDF: 2500884487.3/24

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

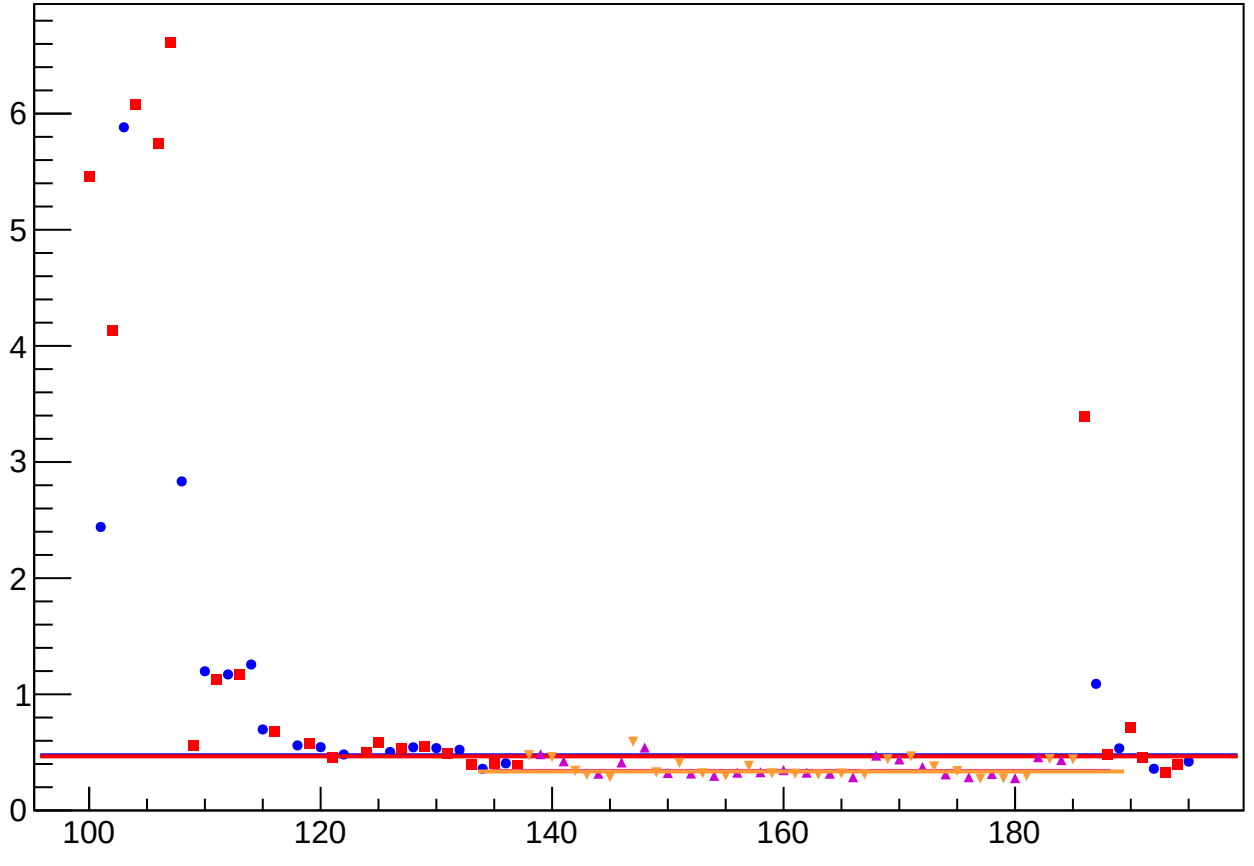
Right: -38.943+/-0.000 χ^2/NDF: 6062074537.0/44

In: -40.771+/-0.000 χ^2/NDF:3640838317.8/42

Out: -40.585+/-0.000 χ^2/NDF:2778652691.4/49

All: -40.674+/-0.000 χ^2/NDF: 6422685556.3/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.475+/-0.000 χ^2/NDF: 3371491.5/19

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.466+/-0.000 χ^2/NDF: 4352835.7/24

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

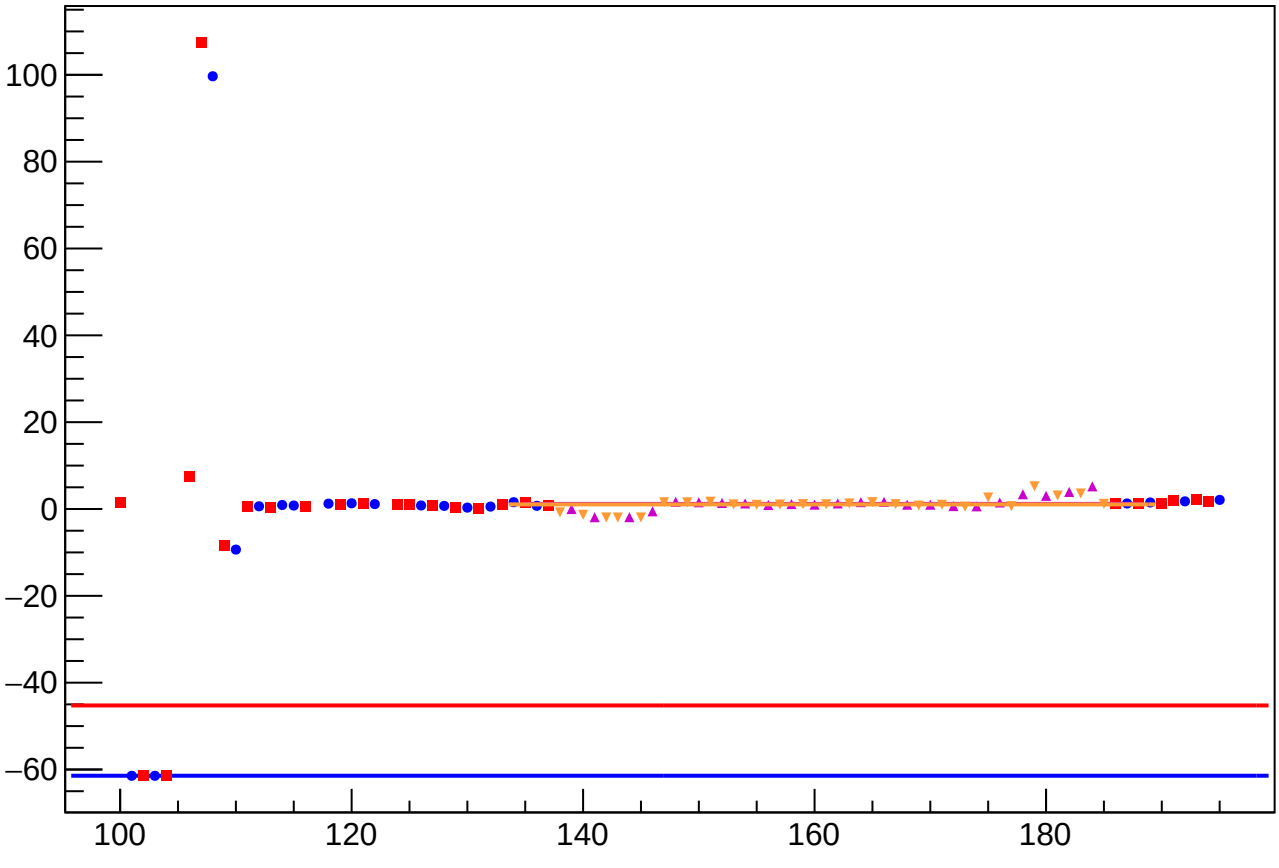
Right: 0.470+/-0.000 χ^2/NDF: 7727302.2/44

In: 0.364+/-0.000 χ^2/NDF:5385402.5/42

Out: 0.360+/-0.000 χ^2/NDF:6581059.4/49

All: 0.362+/-0.000 χ^2/NDF: 11970463.2/92

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 278276769551.7/19

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357874811477445.5/24

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

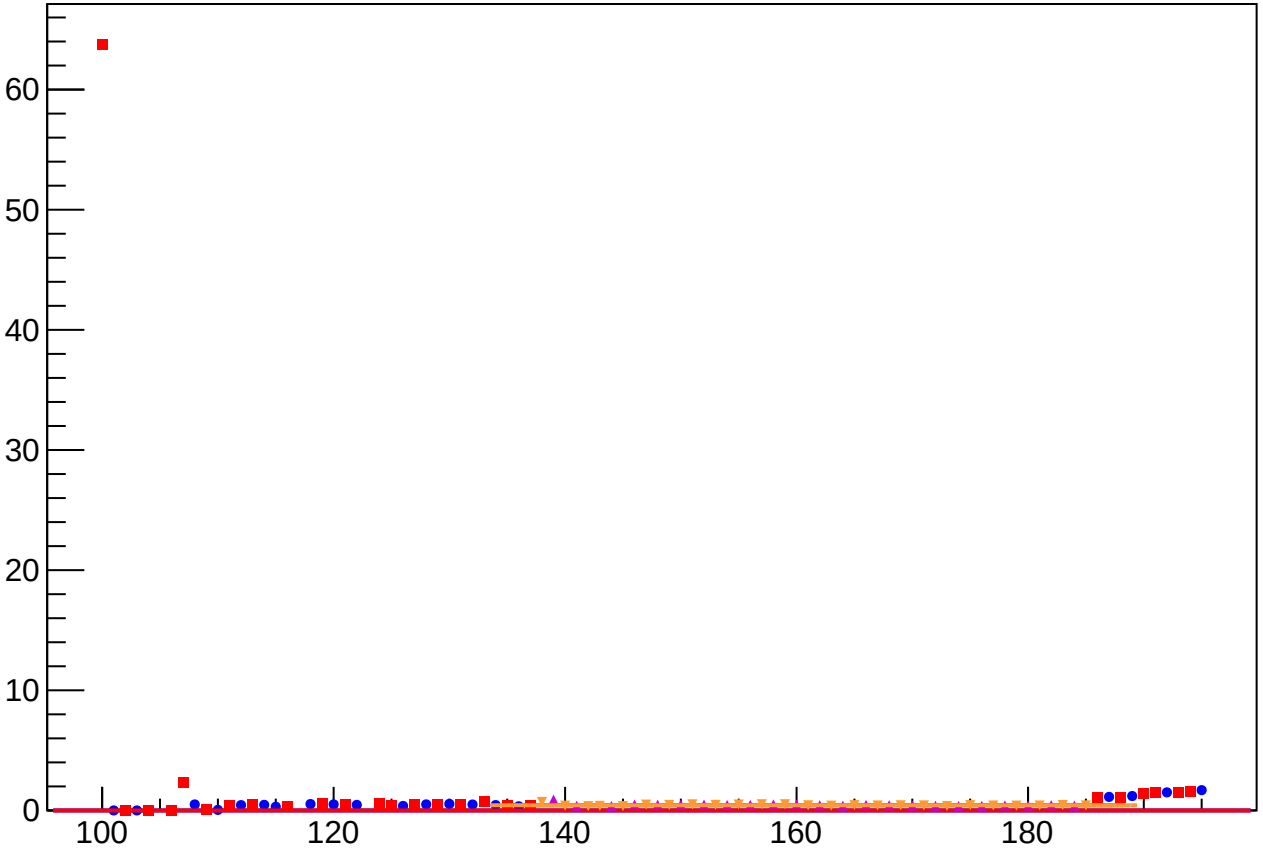
Right: -52.749+/-0.000 χ^2/NDF: 409131511686907

In: -61.422+/-0.000 χ^2/NDF:581141767322.8/42

Out: -45.236+/-0.000 χ^2/NDF:358056094029862.4

All: -52.738+/-0.000 χ^2/NDF: 409600924657

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 14080744.6/19

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 16414755.6/24

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

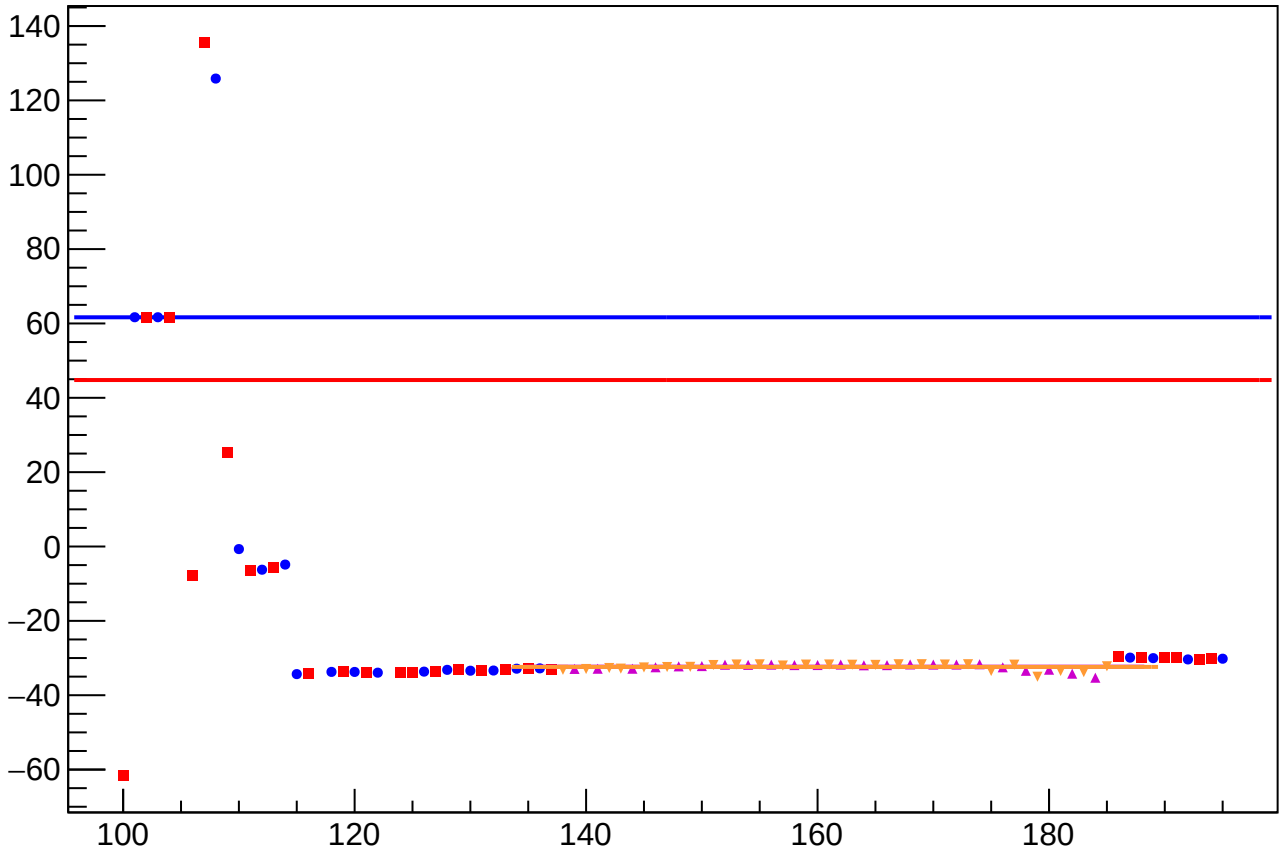
Right: 0.001+/-0.000 χ^2/NDF: 30495500.4/44

In: 0.002+/-0.000 χ^2/NDF:44222273.9/42

Out: 0.002+/-0.000 χ^2/NDF:48180933.7/49

All: 0.002+/-0.000 χ^2/NDF: 92403227.9/92

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.657+/-0.000 χ^2/NDF: 535535328966.9/19

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.781+/-0.000 χ^2/NDF: 3662360433466 27.7/24

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

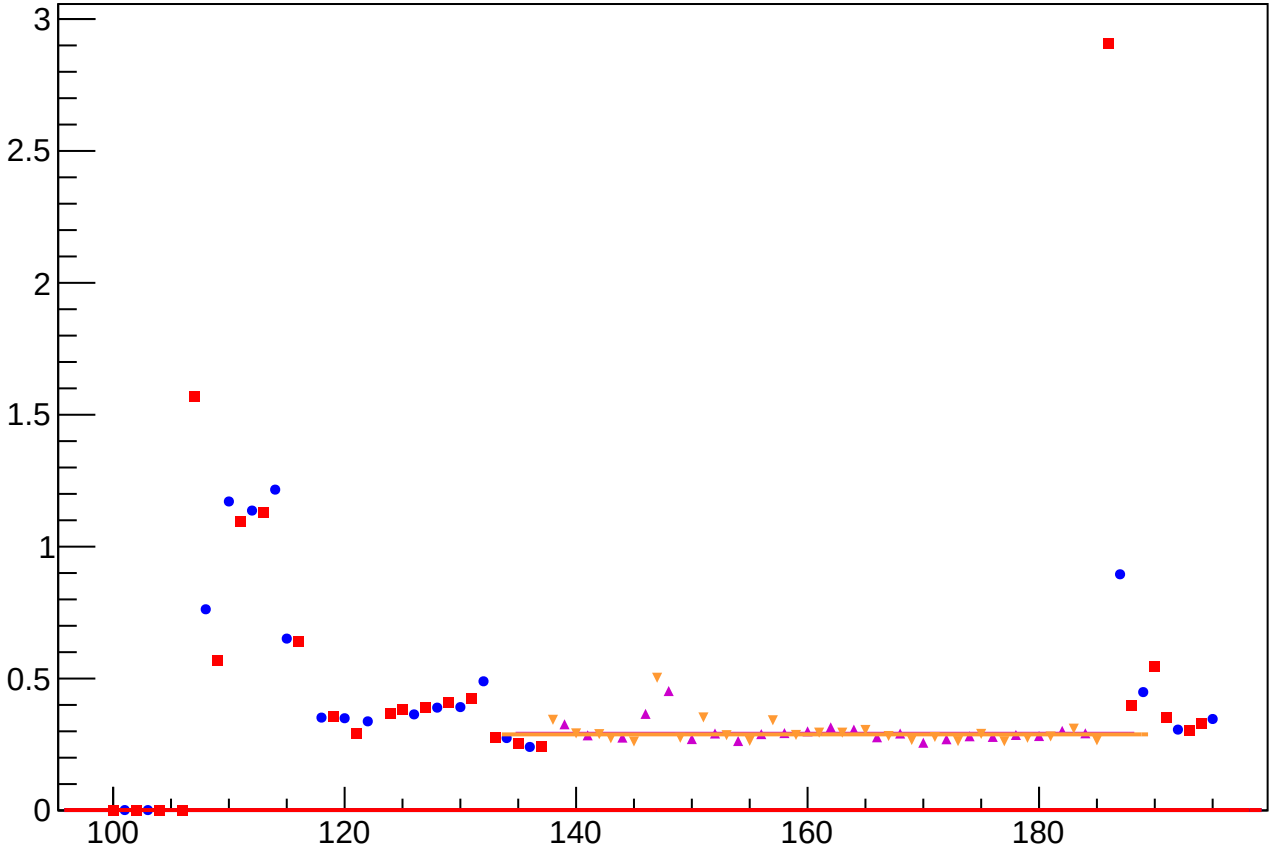
Right: 52.683+/-0.000 χ^2/NDF: 417875953131975.

In: 61.599+/-0.000 χ^2/NDF:2359206288471.8/42

Out: 44.736+/-0.000 χ^2/NDF:367554469859826.9

All: 52.633+/-0.000 χ^2/NDF: 420970290202

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 15878476.2/19

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 17494845.3/24

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

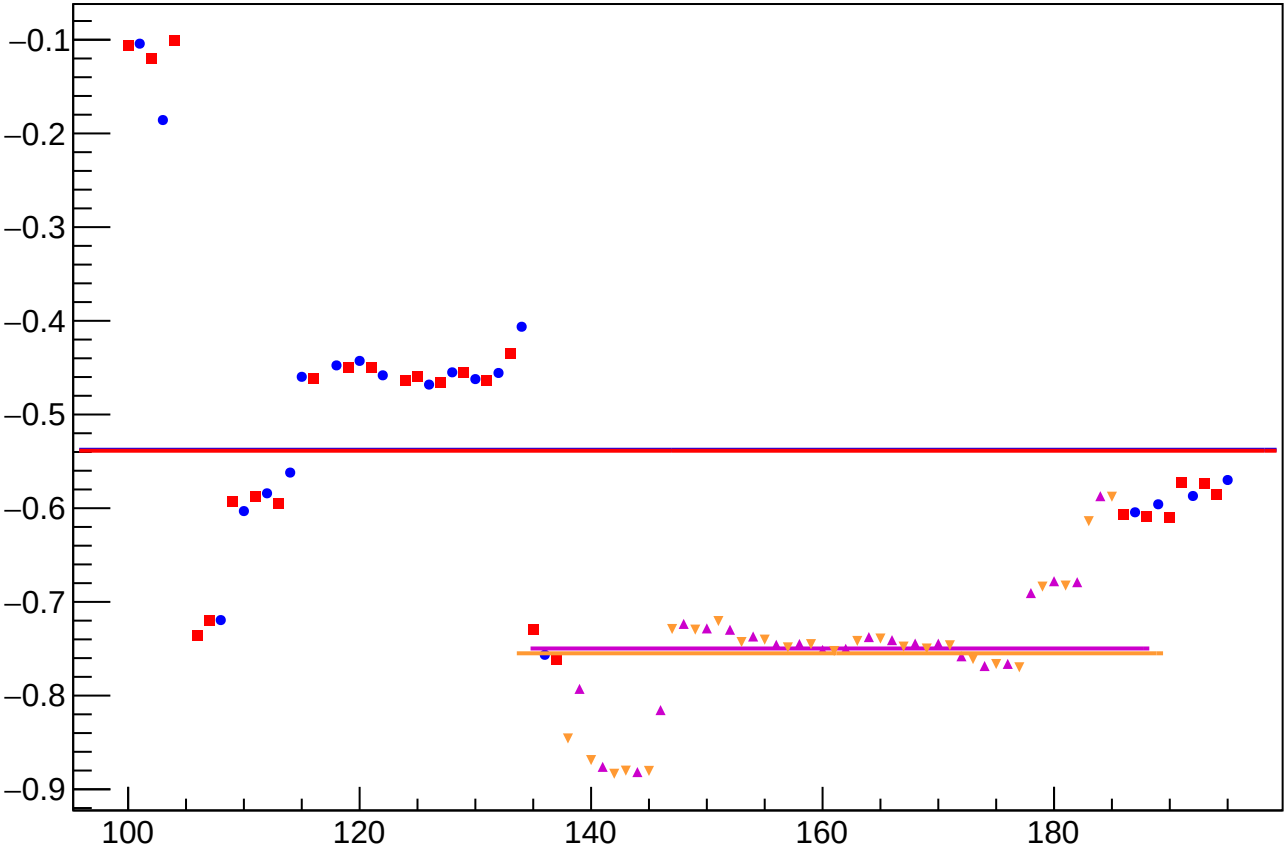
Right: 0.002+/-0.000 χ^2/NDF: 33373494.1/44

In: 0.002+/-0.000 χ^2/NDF:50784075.1/42

Out: 0.002+/-0.000 χ^2/NDF:54450402.1/49

All: 0.002+/-0.000 χ^2/NDF: 105234518.8/92

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.538+/-0.000 χ^2/NDF: 302542527.3/19

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.539+/-0.000 χ^2/NDF: 218468152.3/24

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

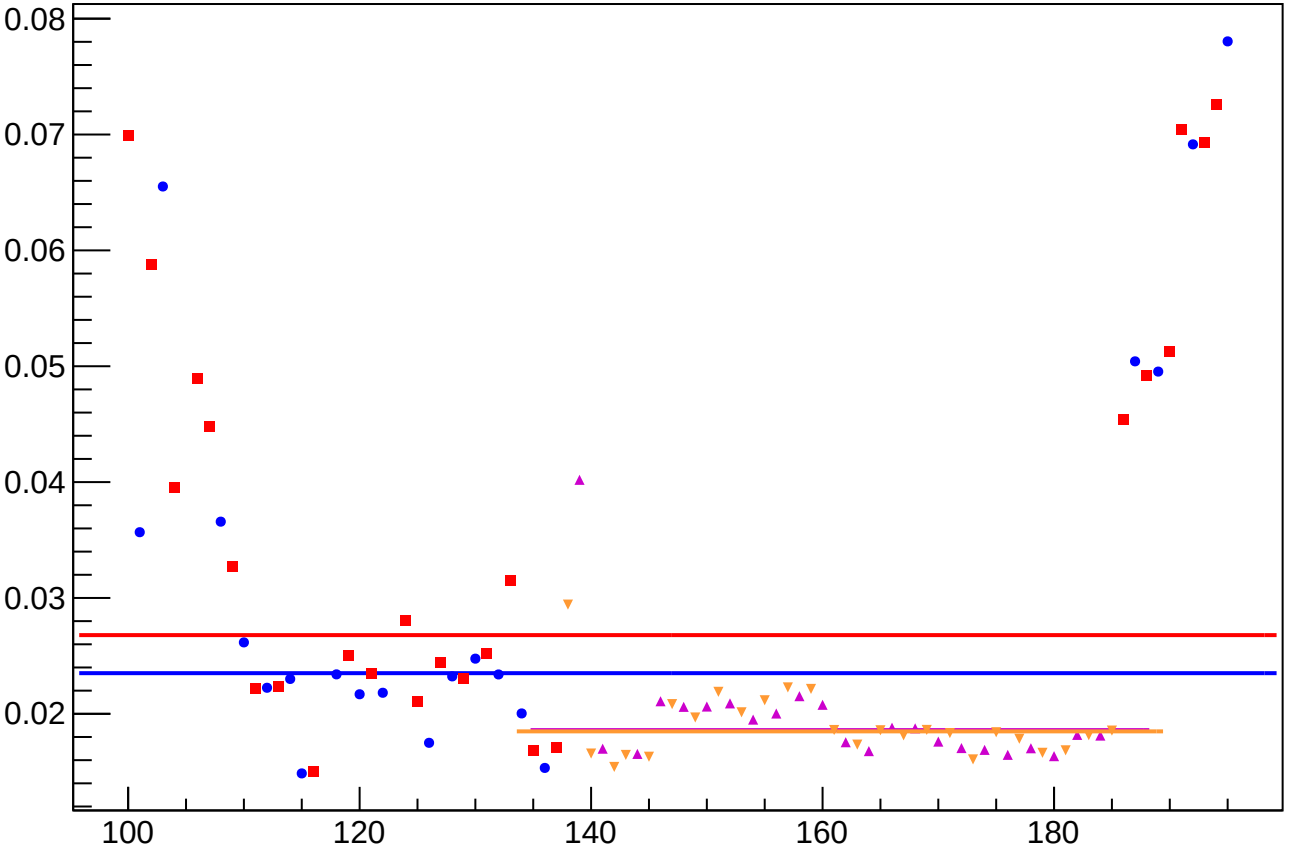
Right: -0.538+/-0.000 χ^2/NDF: 521016579.1/44

In: -0.702+/-0.000 χ^2/NDF:870631243.4/42

Out: -0.713+/-0.000 χ^2/NDF:847415872.8/49

All: -0.708+/-0.000 χ^2/NDF: 1721103535.1/9

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 3271265.3/19

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.027+/-0.000 χ^2/NDF: 3619842.9/24

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

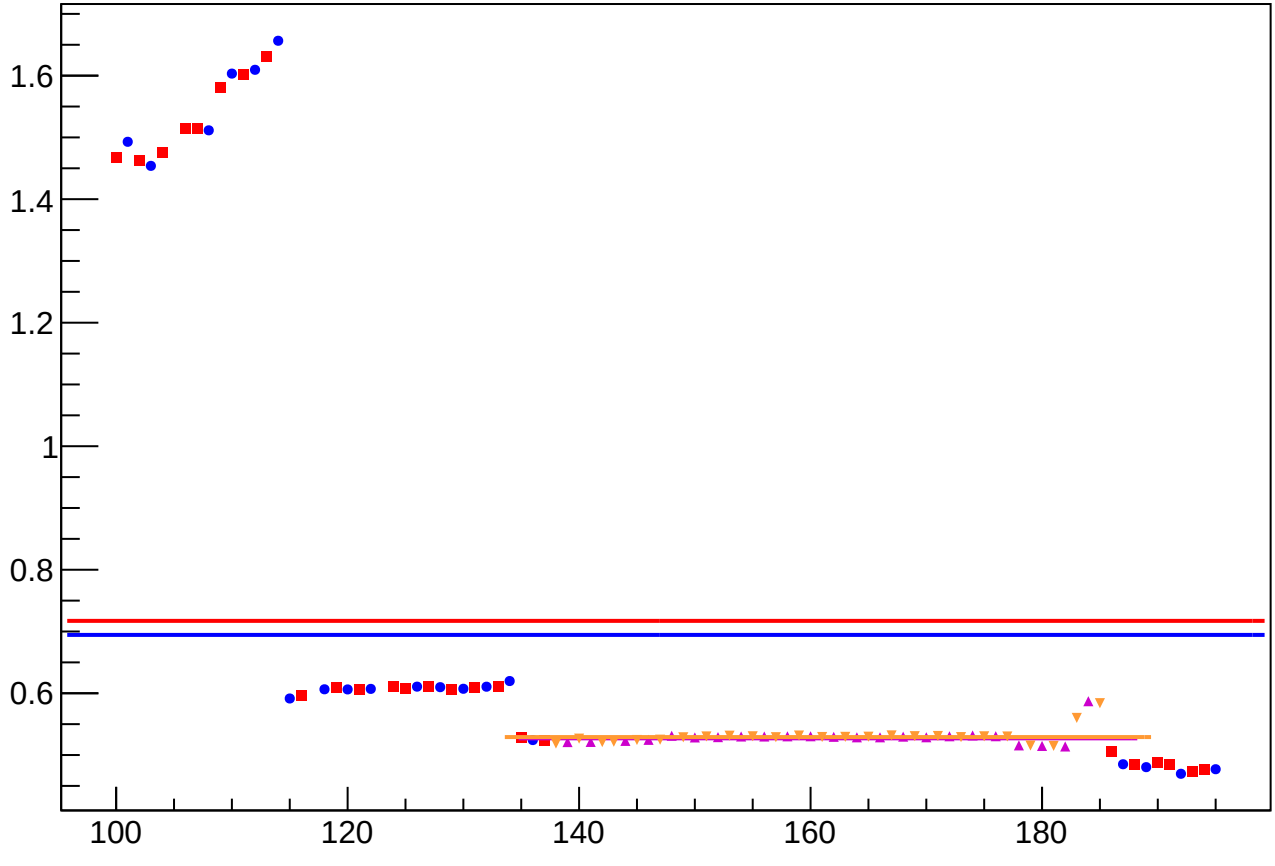
Right: 0.025+/-0.000 χ^2/NDF: 7016407.0/44

In: 0.020+/-0.000 χ^2/NDF:4469241.9/42

Out: 0.020+/-0.000 χ^2/NDF:5340655.0/49

All: 0.020+/-0.000 χ^2/NDF: 9819240.8/92

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.694+/-0.000 χ^2/NDF: 4881780071.2/19

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.717+/-0.000 χ^2/NDF: 5680682461.7/24

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

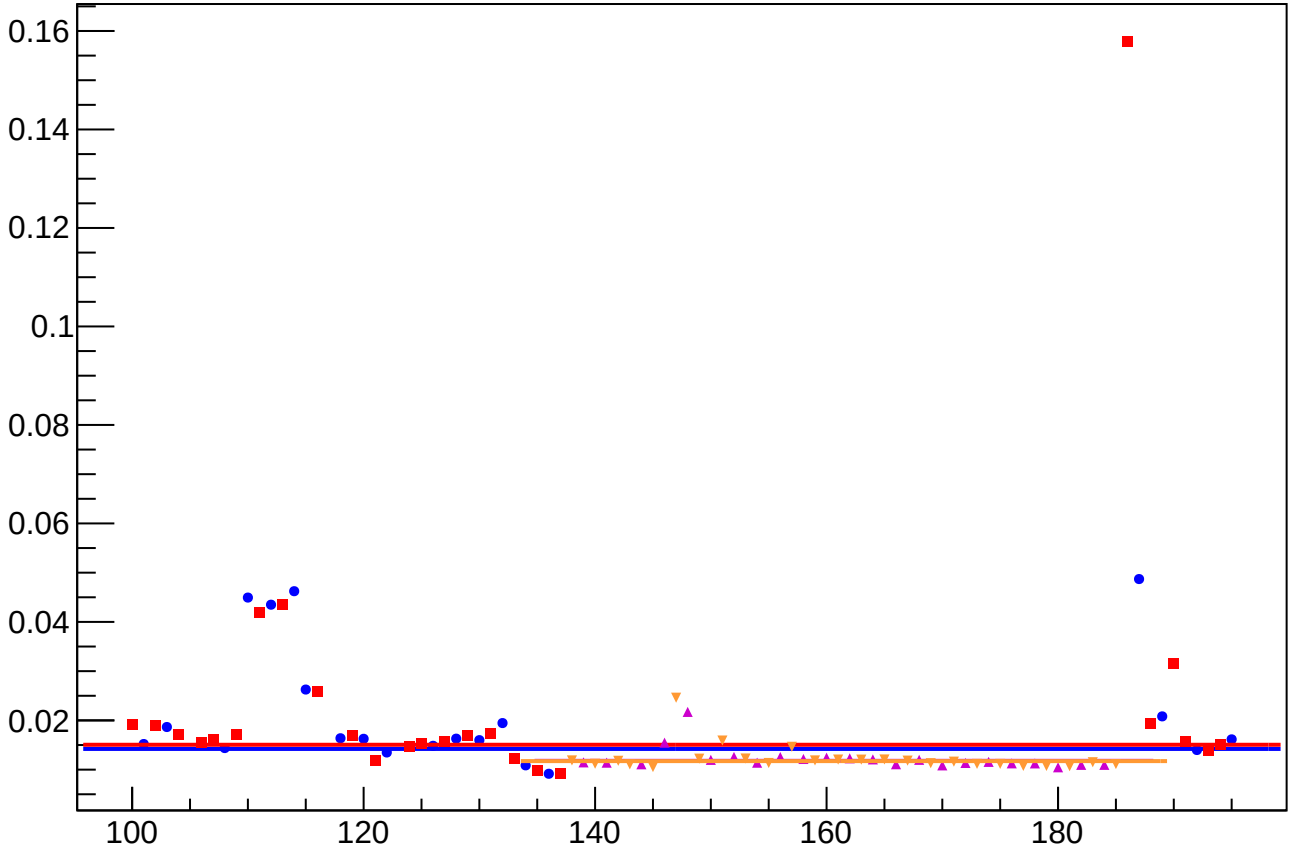
Right: 0.706+/-0.000 χ^2/NDF: 10572992509.8/44

In: 0.568+/-0.000 χ^2/NDF:5758399522.1/42

Out: 0.573+/-0.000 χ^2/NDF:6805634150.4/49

All: 0.570+/-0.000 χ^2/NDF: 12566238793.6/9

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1958430.6/19

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2363202.5/24

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

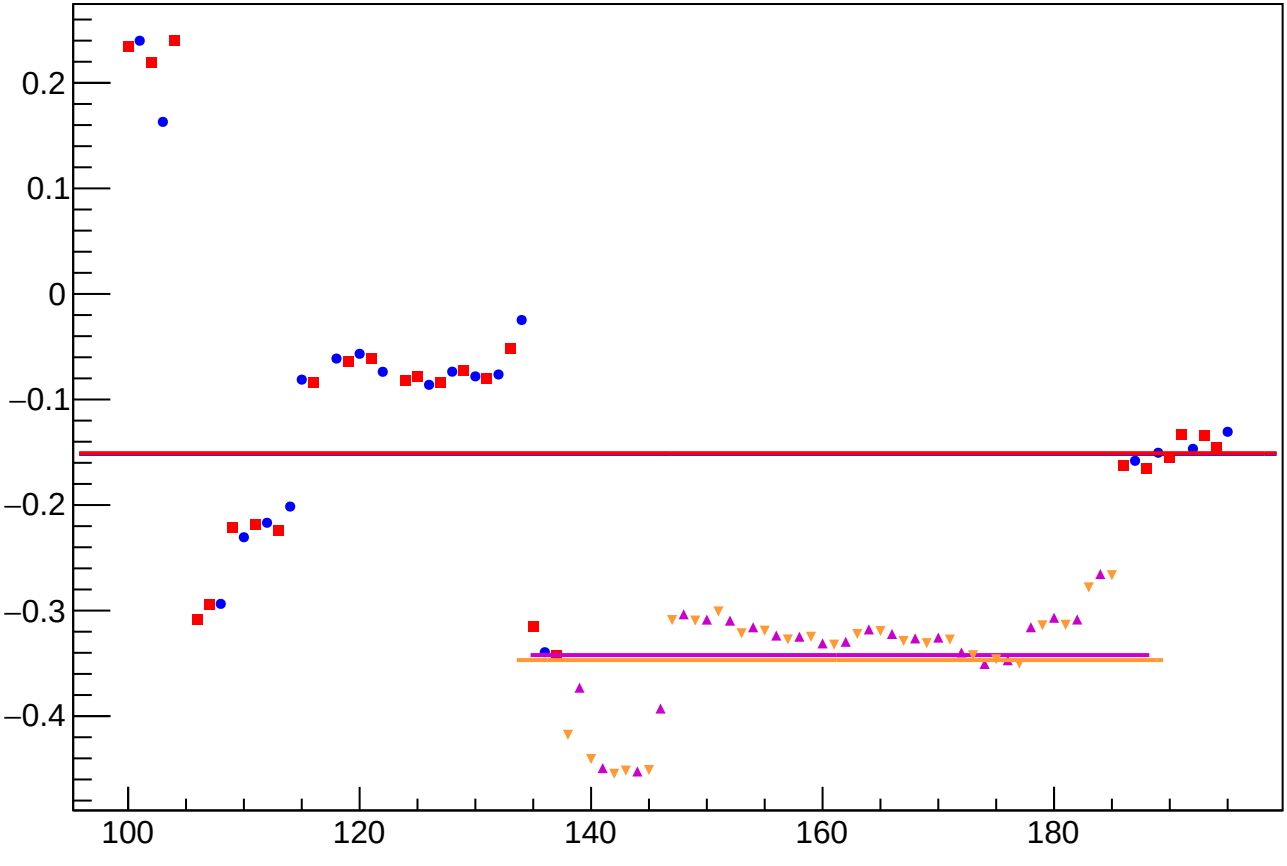
Right: 0.015+/-0.000 χ^2/NDF: 4350882.3/44

In: 0.012+/-0.000 χ^2/NDF:2837481.6/42

Out: 0.013+/-0.000 χ^2/NDF:3753089.3/49

All: 0.012+/-0.000 χ^2/NDF: 6593371.0/92

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276865957.8/19

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199580726.6/24

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

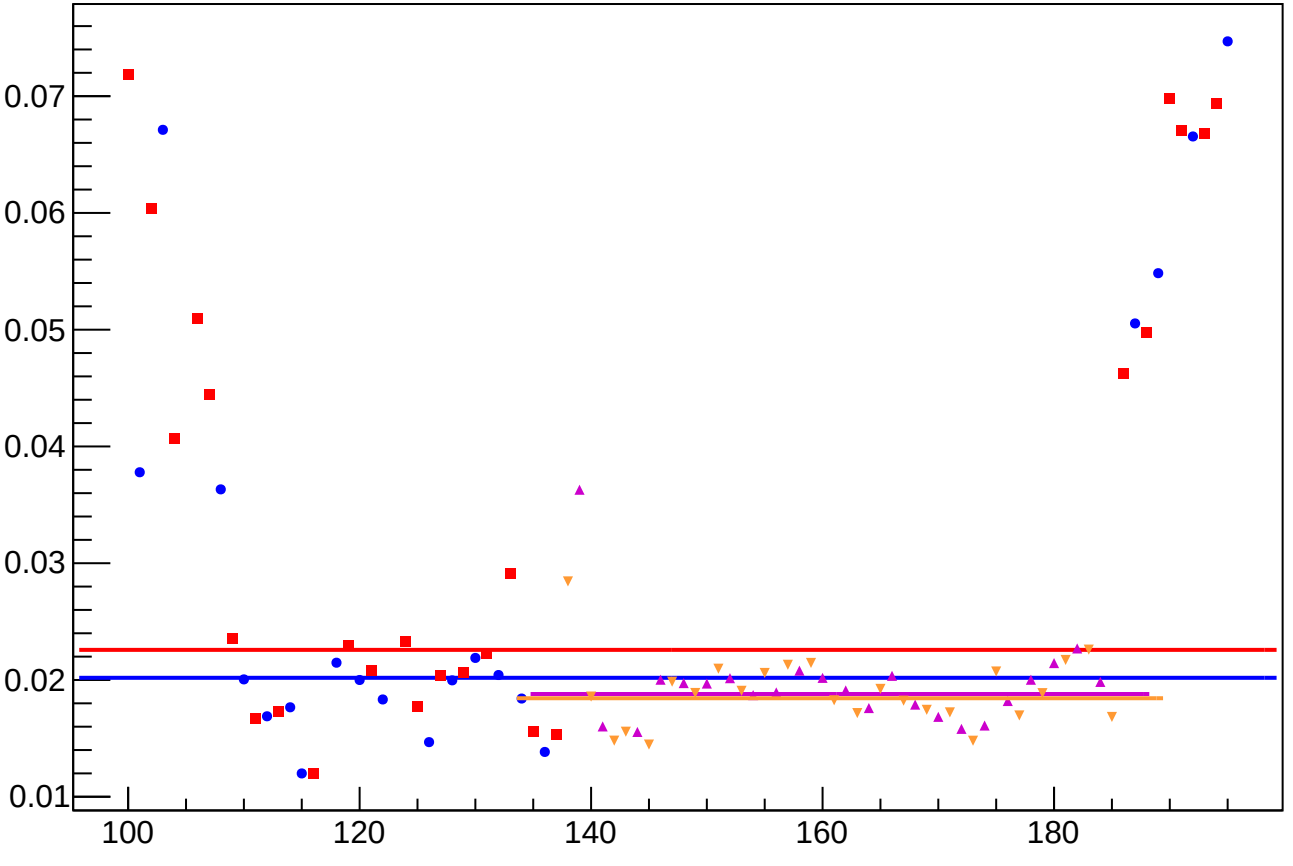
Right: -0.151+/-0.000 χ^2/NDF: 476449670.3/44

In: -0.290+/-0.000 χ^2/NDF:787670795.8/42

Out: -0.300+/-0.000 χ^2/NDF:755791980.0/49

All: -0.295+/-0.000 χ^2/NDF: 1546386698.7/9

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 3803716.1/19

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.023+/-0.000 χ^2/NDF: 4501923.3/24

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

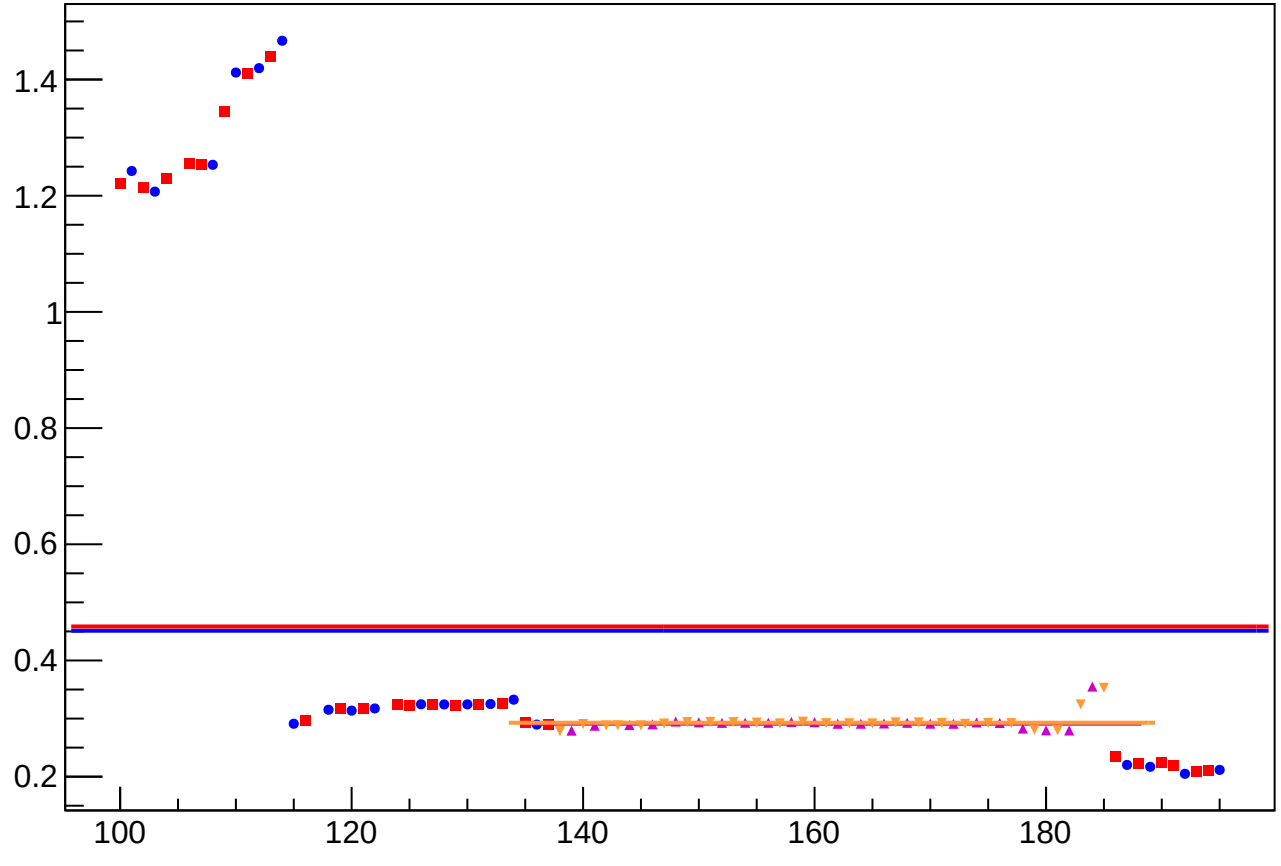
Right: 0.021+/-0.000 χ^2/NDF: 8393471.4/44

In: 0.019+/-0.000 χ^2/NDF:4567234.0/42

Out: 0.019+/-0.000 χ^2/NDF:5526432.8/49

All: 0.019+/-0.000 χ^2/NDF: 10097461.1/92

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.451+/-0.000 χ^2/NDF: 7195453111.7/19

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.459+/-0.000 χ^2/NDF: 8068425190.5/24

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

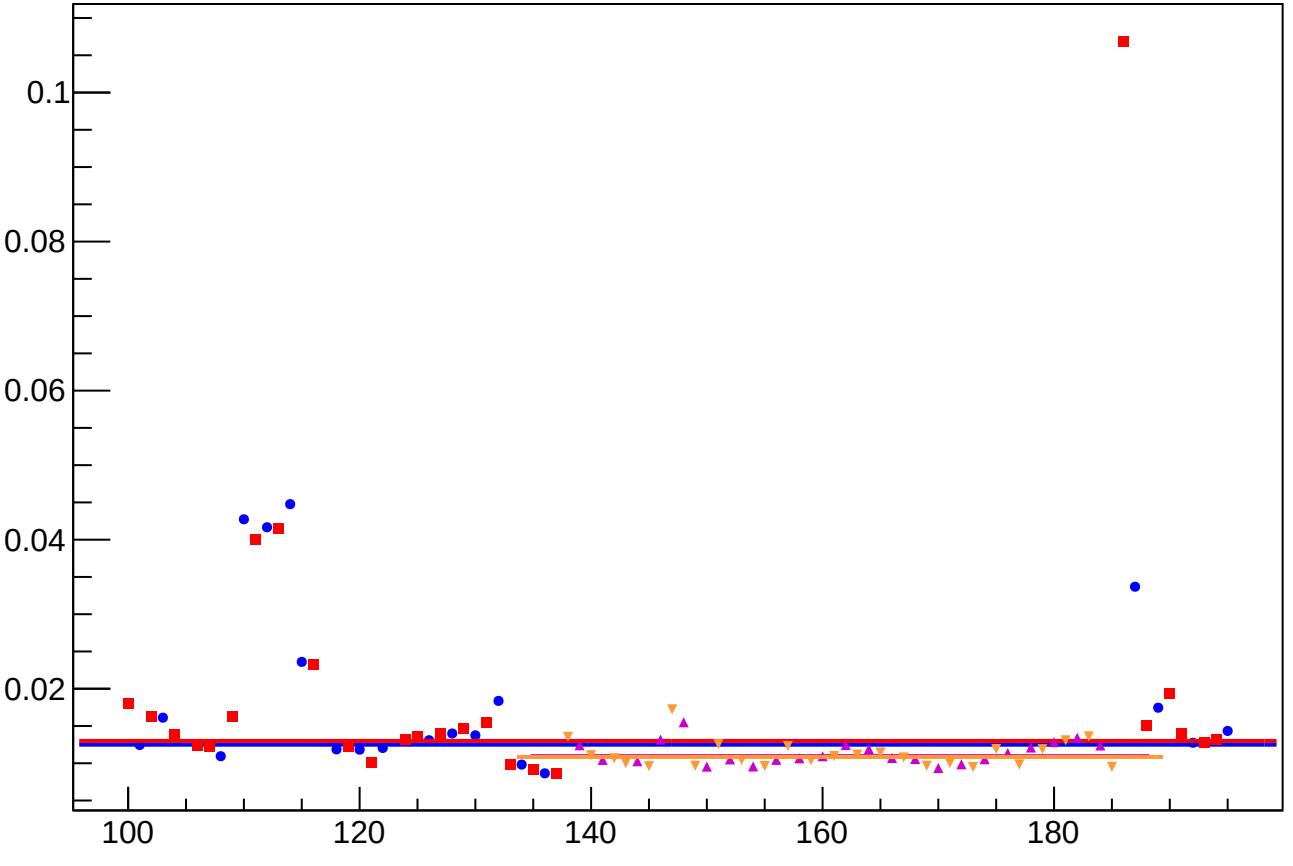
Right: 0.455+/-0.000 χ^2/NDF: 15265308405.4/44

In: 0.334+/-0.000 χ^2/NDF:8200610136.0/42

Out: 0.336+/-0.000 χ^2/NDF:9199118623.5/49

All: 0.335+/-0.000 χ^2/NDF: 17400076448.9/9

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1762627.9/19

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2149091.0/24

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

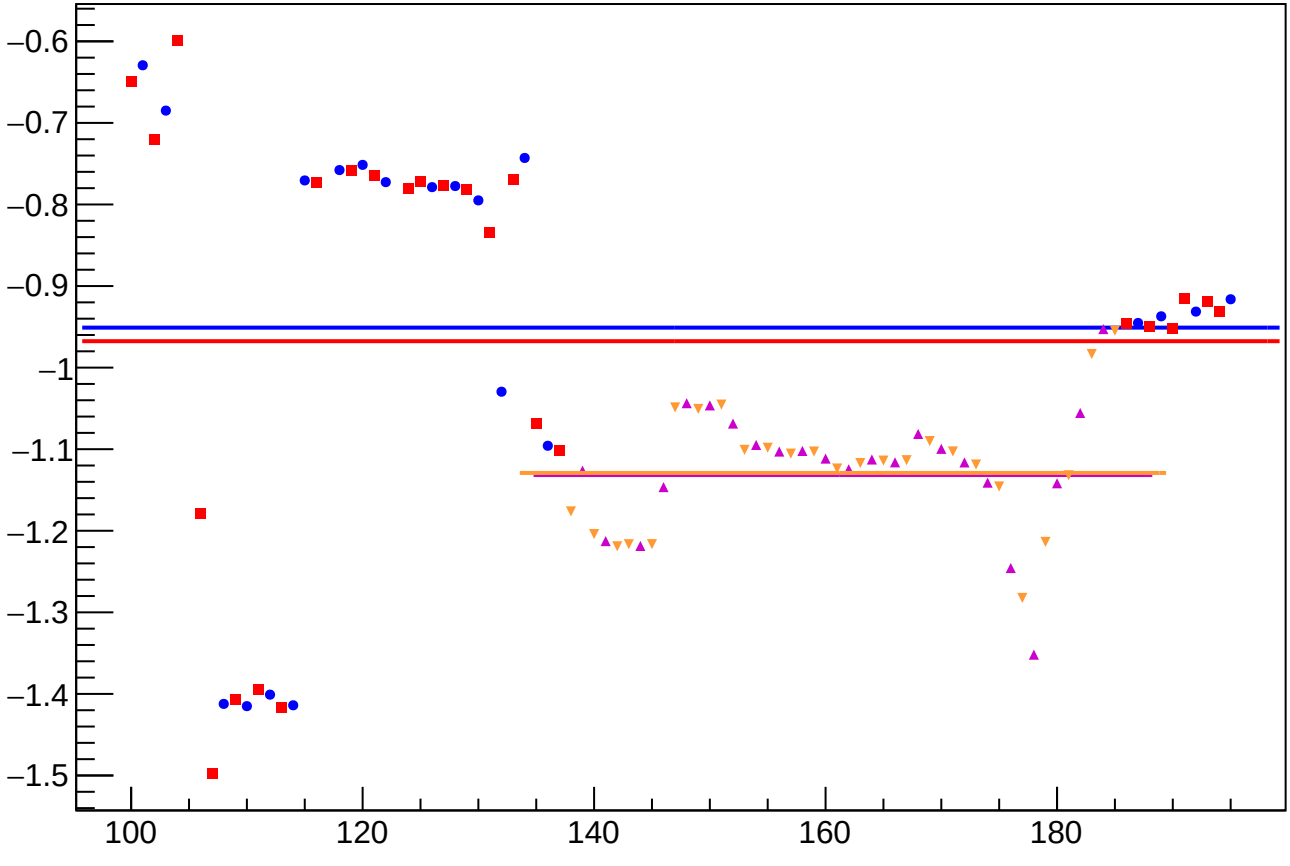
Right: 0.013+/-0.000 χ^2/NDF: 3925392.6/44

In: 0.011+/-0.000 χ^2/NDF:2458024.0/42

Out: 0.011+/-0.000 χ^2/NDF:3178947.2/49

All: 0.011+/-0.000 χ^2/NDF: 5637240.2/92

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.951+/-0.000 χ^2/NDF: 699780215.8/19

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.968+/-0.000 χ^2/NDF: 715645243.6/24

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

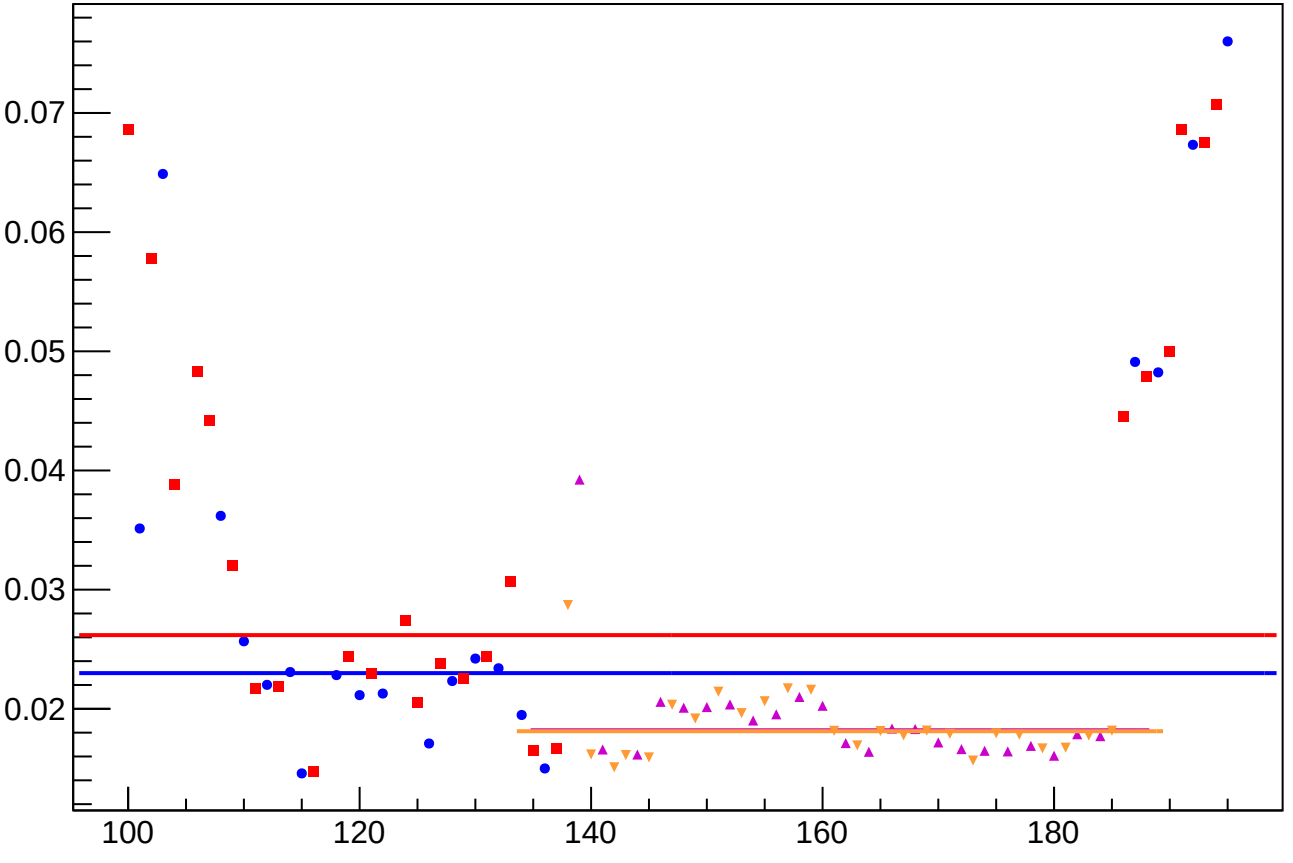
Right: -0.959+/-0.000 χ^2/NDF: 1417103228.5/44

In: -1.091+/-0.000 χ^2/NDF:1283750237.7/42

Out: -1.098+/-0.000 χ^2/NDF:1196256212.4/49

All: -1.094+/-0.000 χ^2/NDF: 2481156659.9/9

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 3274516.5/19

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.026+/-0.000 χ^2/NDF: 3615067.8/24

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

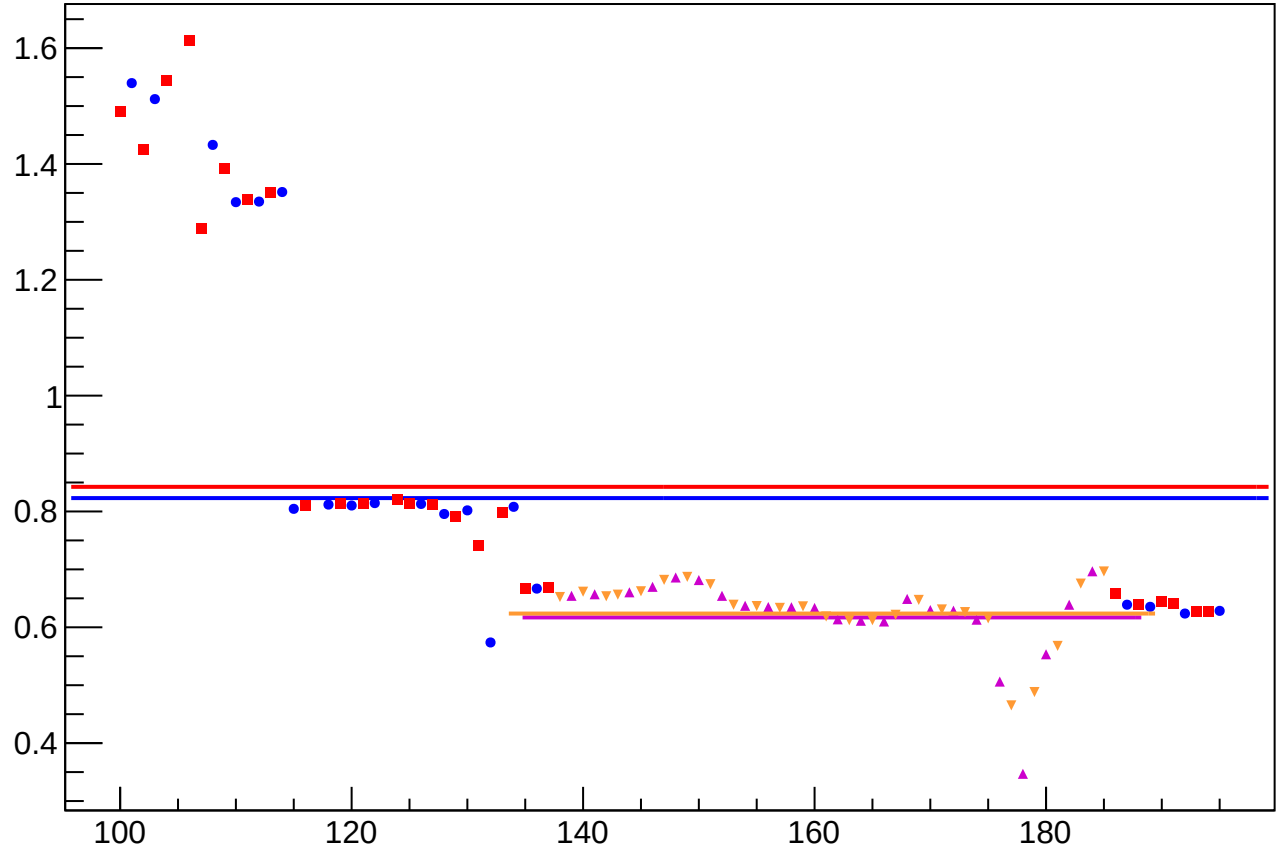
Right: 0.025+/-0.000 χ^2/NDF: 7012986.0/44

In: 0.019+/-0.000 χ^2/NDF:4454756.9/42

Out: 0.020+/-0.000 χ^2/NDF:5298424.9/49

All: 0.019+/-0.000 χ^2/NDF: 9763562.5/92

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.823+/-0.000 χ^2/NDF: 3250535903.3/19

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.843+/-0.000 χ^2/NDF: 3486429711.9/24

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

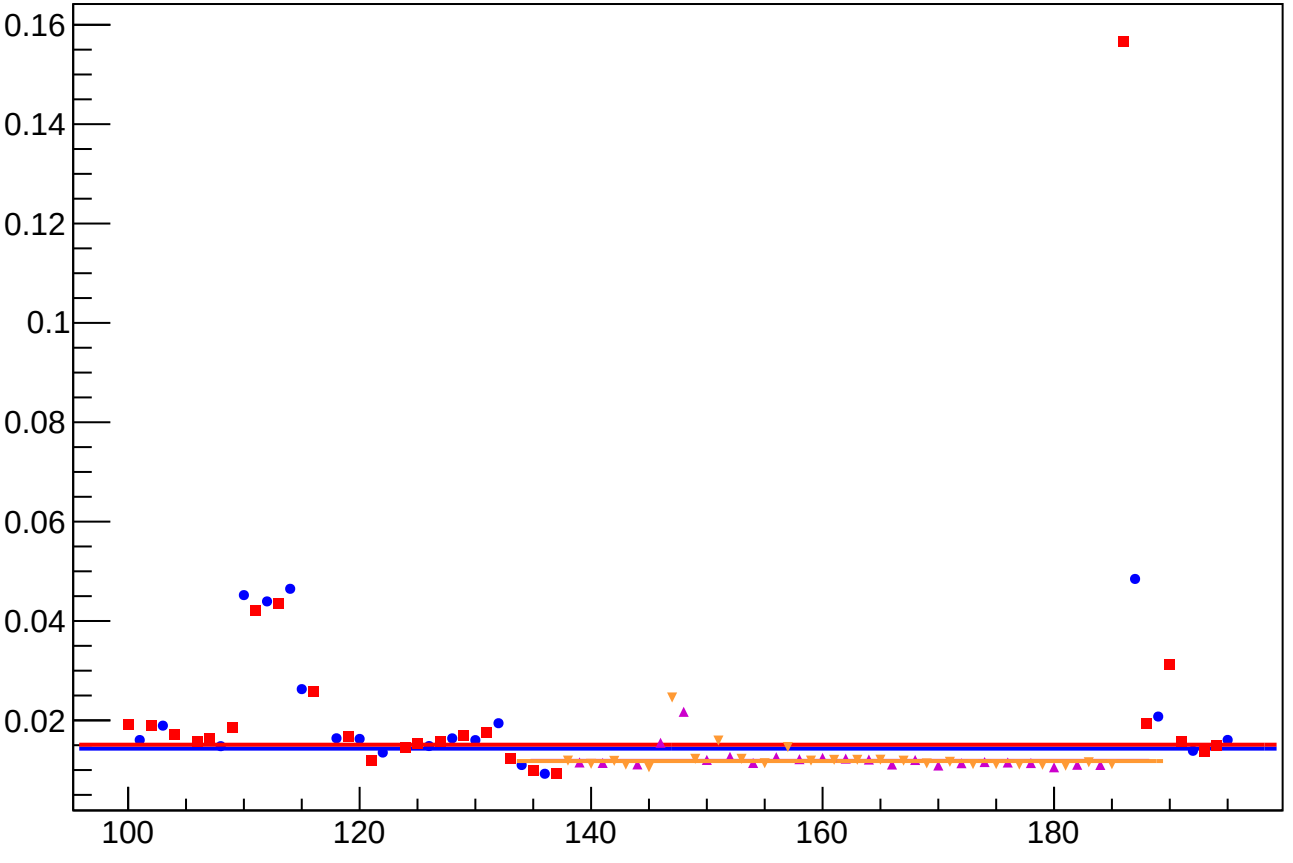
Right: 0.833+/-0.000 χ^2/NDF: 6744552018.0/44

In: 0.667+/-0.000 χ^2/NDF:5183622026.5/42

Out: 0.675+/-0.000 χ^2/NDF:5370294770.3/49

All: 0.671+/-0.000 χ^2/NDF: 10559151488.3/9

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1943959.6/19

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2365476.6/24

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

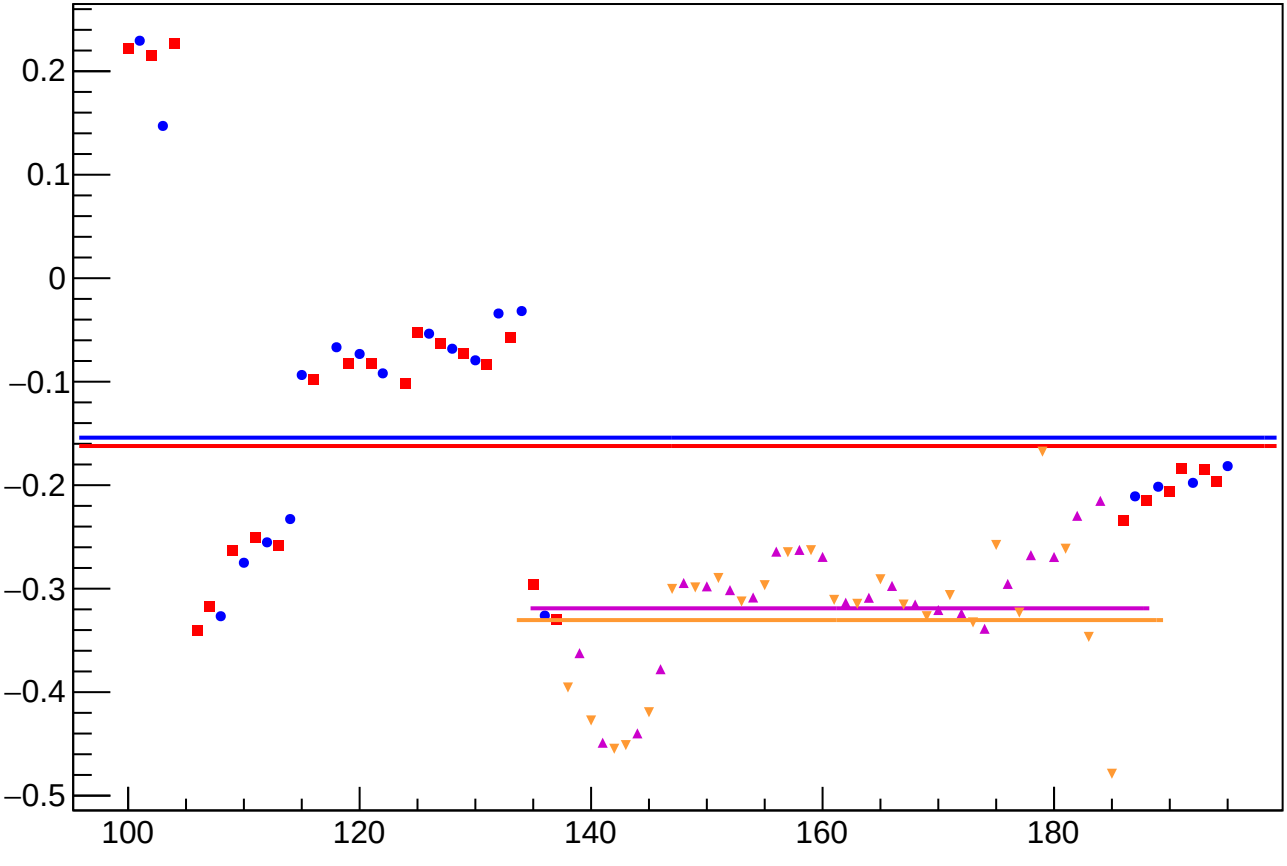
Right: 0.015+/-0.000 χ^2/NDF: 4334609.2/44

In: 0.012+/-0.000 χ^2/NDF:2821294.6/42

Out: 0.013+/-0.000 χ^2/NDF:3711978.9/49

All: 0.013+/-0.000 χ^2/NDF: 6536322.1/92

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.154+/-0.000 χ^2/NDF: 275394165.5/19

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.162+/-0.000 χ^2/NDF: 198127328.4/24

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

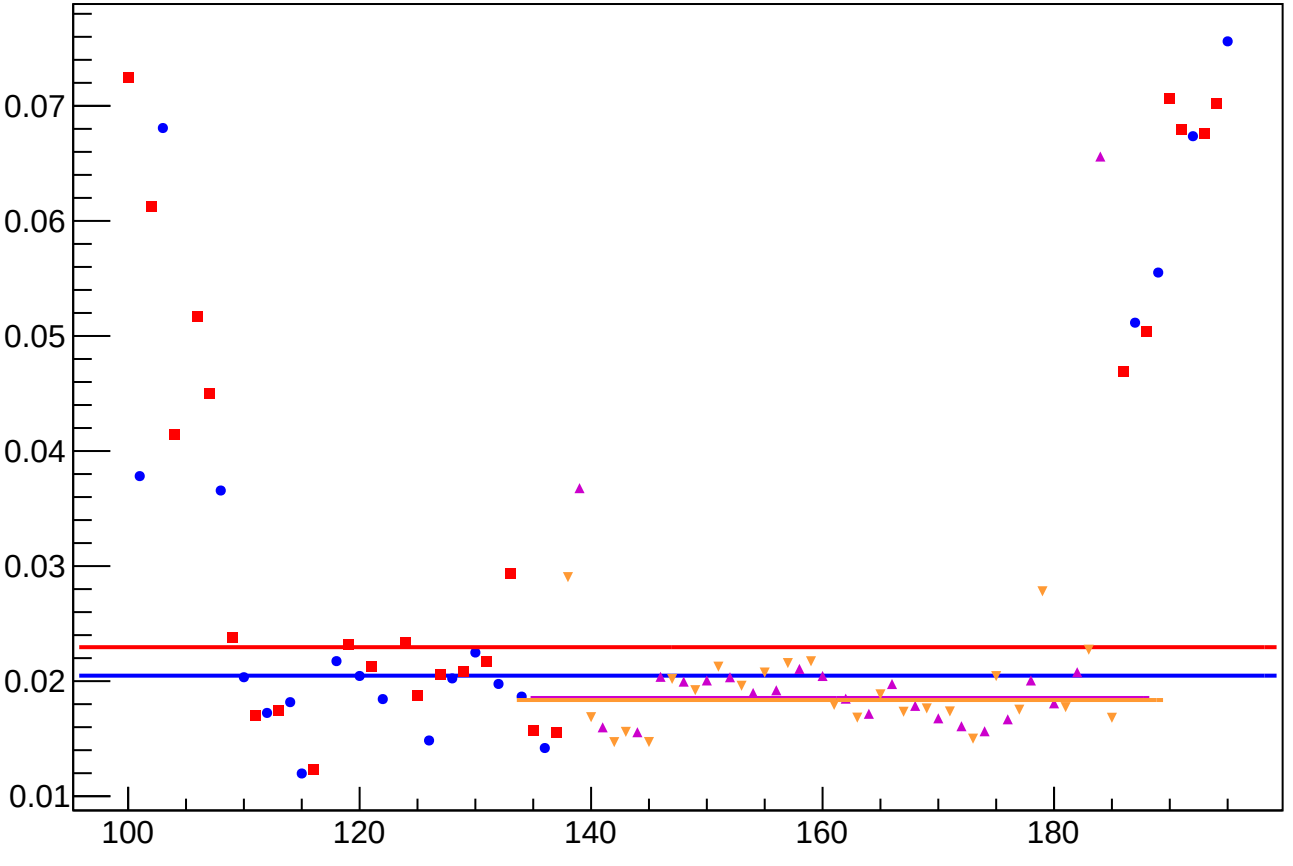
Right: -0.158+/-0.000 χ^2/NDF: 474007937.8/44

In: -0.275+/-0.000 χ^2/NDF:715791076.6/42

Out: -0.290+/-0.000 χ^2/NDF:688460215.1/49

All: -0.283+/-0.000 χ^2/NDF: 1411470244.4/9

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 3776380.0/19

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.023+/-0.000 χ^2/NDF: 4471209.5/24

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

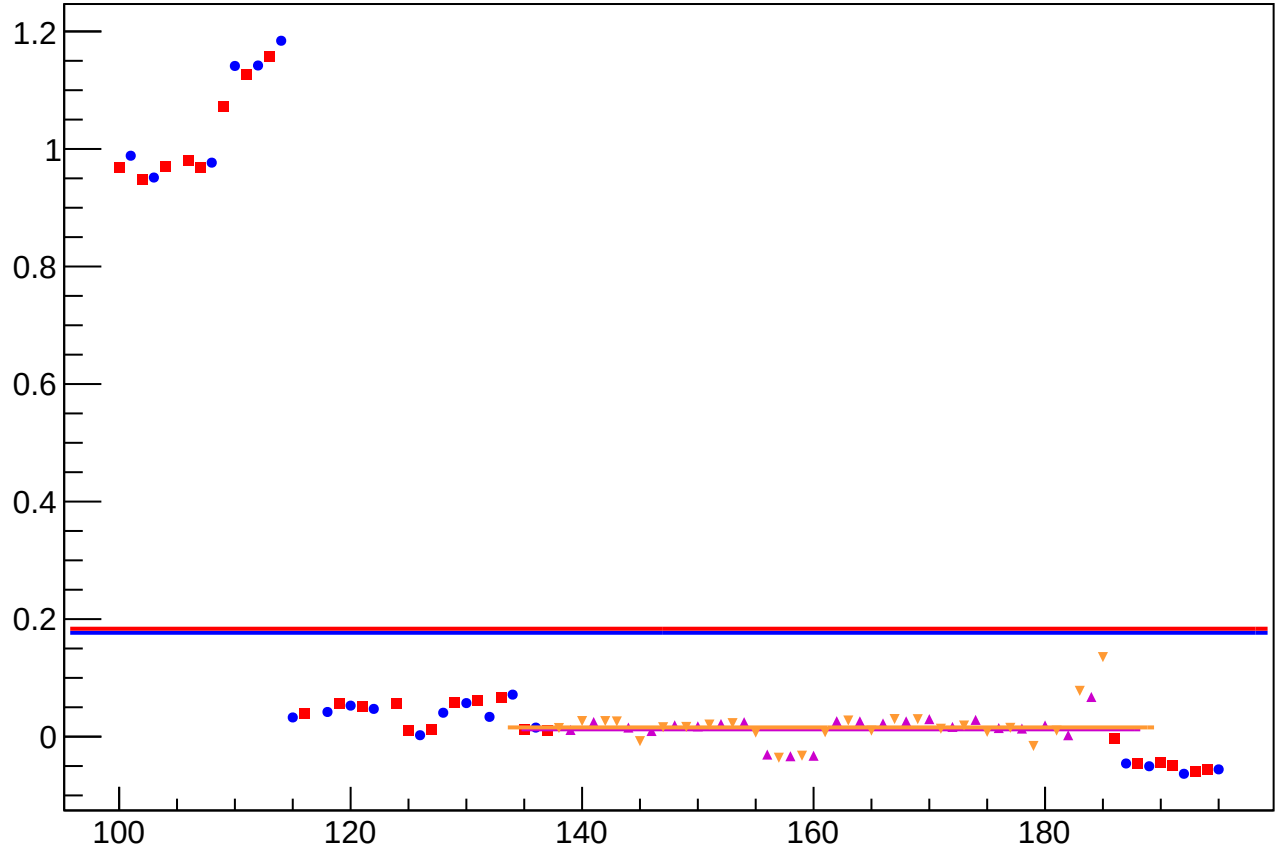
Right: 0.022+/-0.000 χ^2/NDF: 8338879.0/44

In: 0.019+/-0.000 χ^2/NDF:4795931.9/42

Out: 0.019+/-0.000 χ^2/NDF:5667452.5/49

All: 0.019+/-0.000 χ^2/NDF: 10472558.8/92

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.177+/-0.000 χ^2/NDF: 7336905072.7/19

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.184+/-0.000 χ^2/NDF: 8028441078.9/24

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

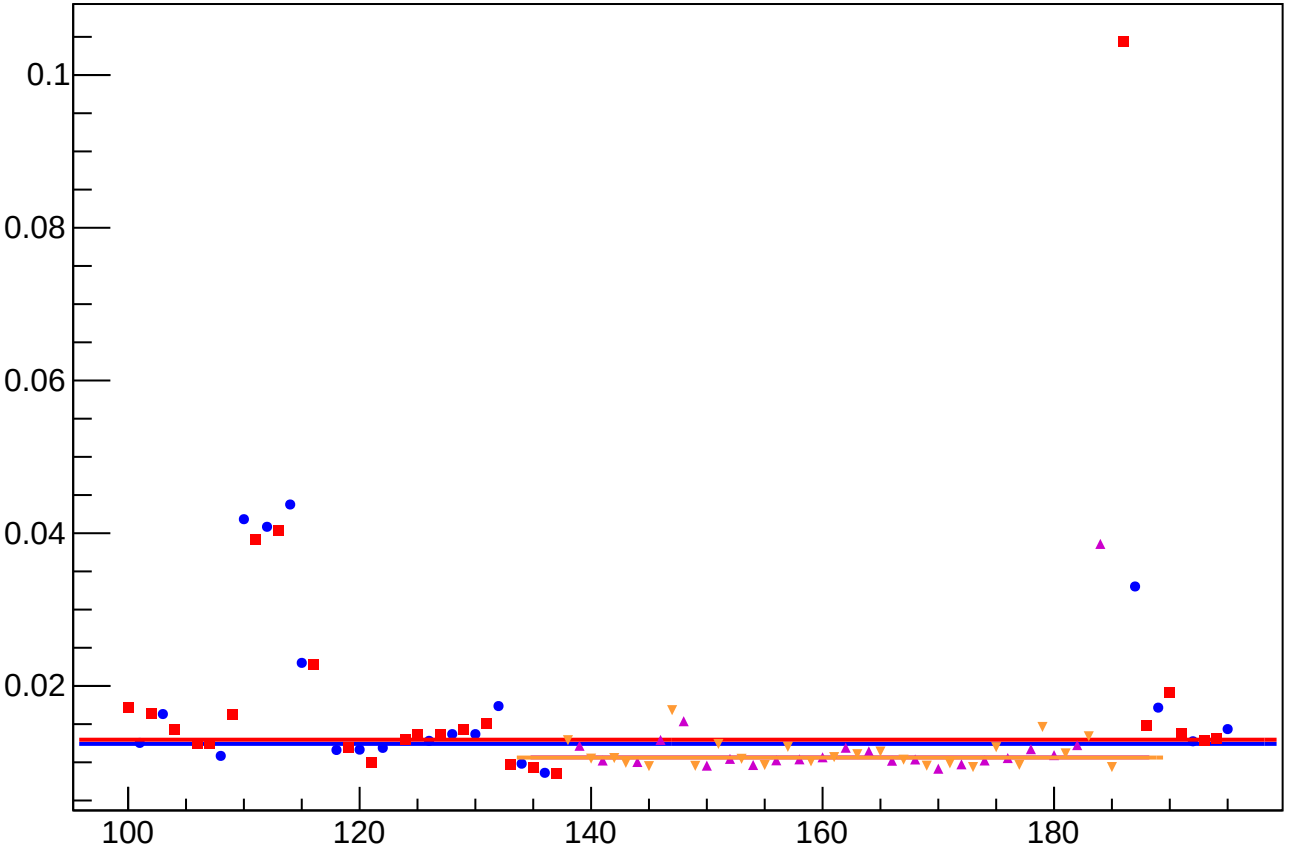
Right: 0.180+/-0.000 χ^2/NDF: 15366640661.4/44

In: 0.056+/-0.000 χ^2/NDF:8465041362.7/42

Out: 0.059+/-0.000 χ^2/NDF:9287589883.4/49

All: 0.058+/-0.000 χ^2/NDF: 17753809891.5/9

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1728312.9/19

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2093193.9/24

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

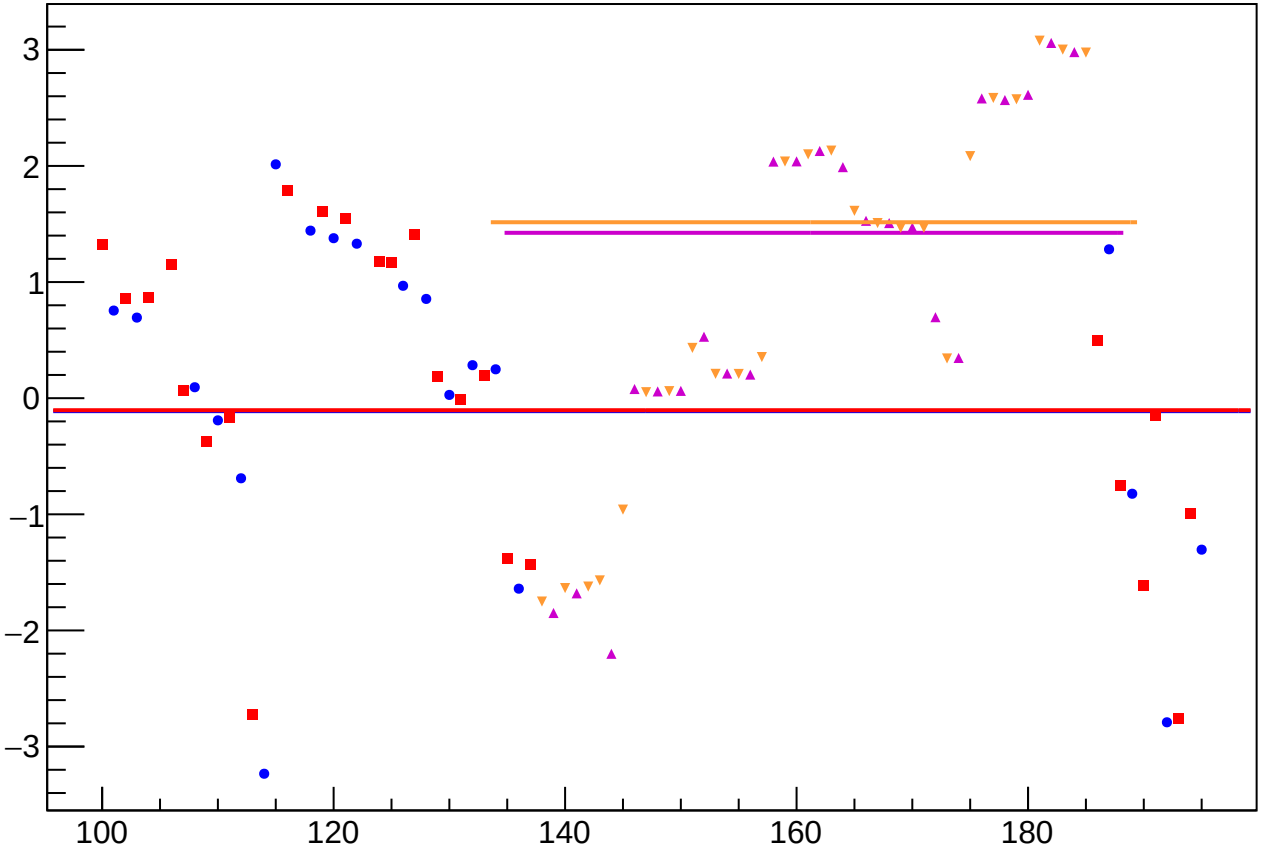
Right: 0.013+/-0.000 χ^2/NDF: 3837750.6/44

In: 0.011+/-0.000 χ^2/NDF:2549287.6/42

Out: 0.011+/-0.000 χ^2/NDF:3163011.3/49

All: 0.011+/-0.000 χ^2/NDF: 5715198.4/92

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.112+/-0.000 χ^2/NDF: 4218749567.1/19

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.104+/-0.000 χ^2/NDF: 4164187930.5/24

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

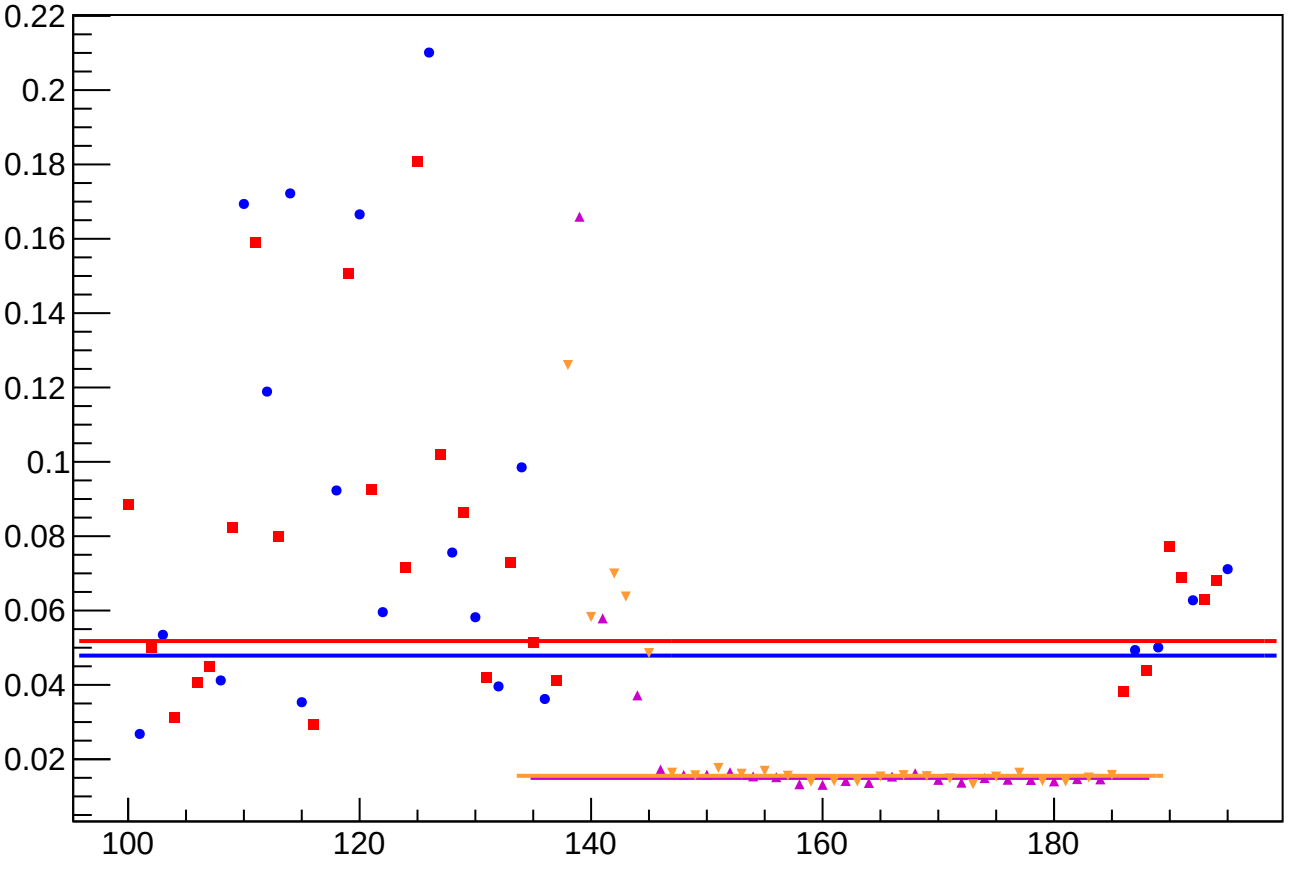
Right: -0.107+/-0.000 χ^2/NDF: 8383025202.6/44

In: 1.362+/-0.000 χ^2/NDF:78213411805.7/42

Out: 1.443+/-0.000 χ^2/NDF:79055463309.9/49

All: 1.402+/-0.000 χ^2/NDF: 157479339729.0

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.048+/-0.000 χ^2/NDF: 3128164.9/19

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.052+/-0.000 χ^2/NDF: 2764674.5/24

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

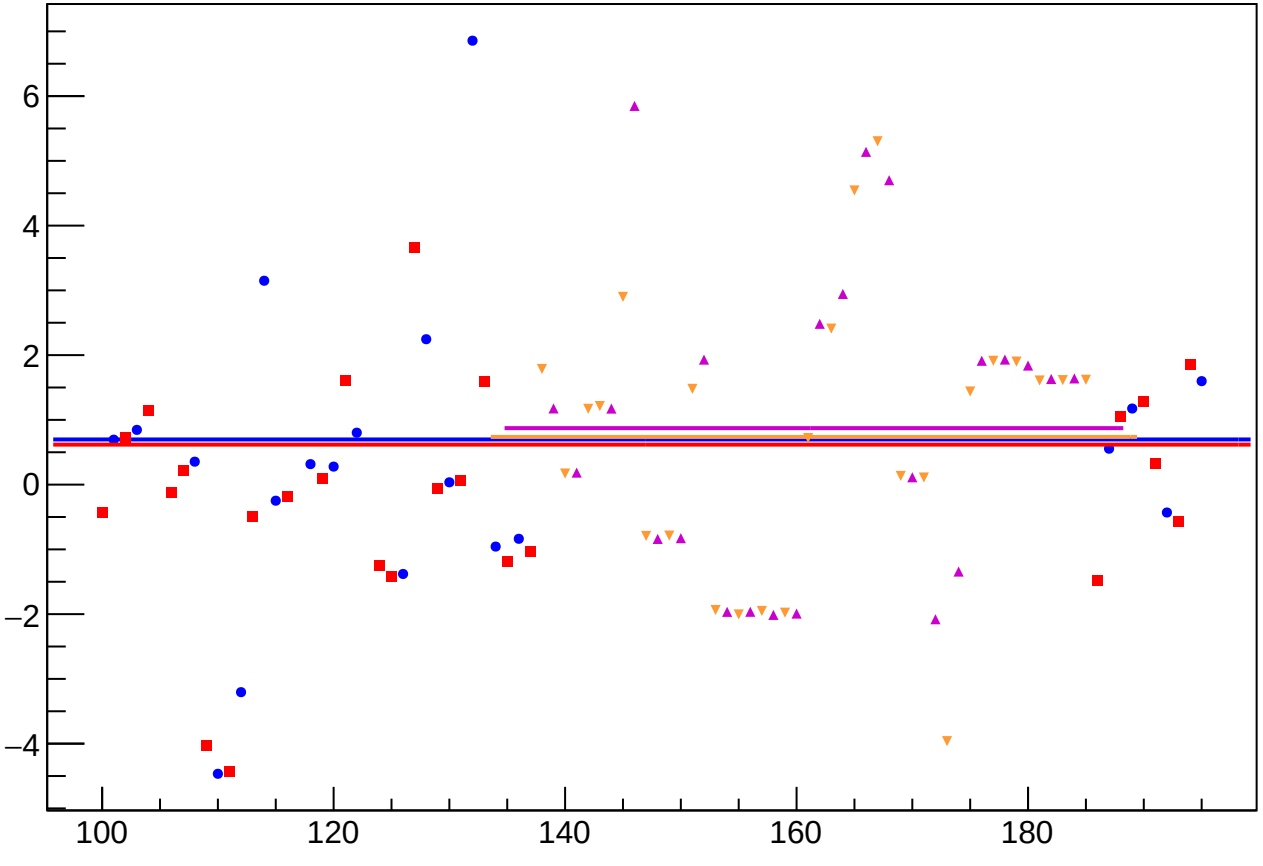
Right: 0.050+/-0.000 χ^2/NDF: 5934670.2/44

In: 0.016+/-0.000 χ^2/NDF:10773158.7/42

Out: 0.017+/-0.000 χ^2/NDF:12872006.3/49

All: 0.017+/-0.000 χ^2/NDF: 23692013.1/92

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.698+/-0.000 χ^2/NDF: 16418113694.9/19

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 0.618+/-0.000 χ^2/NDF: 11491850872.3/24

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

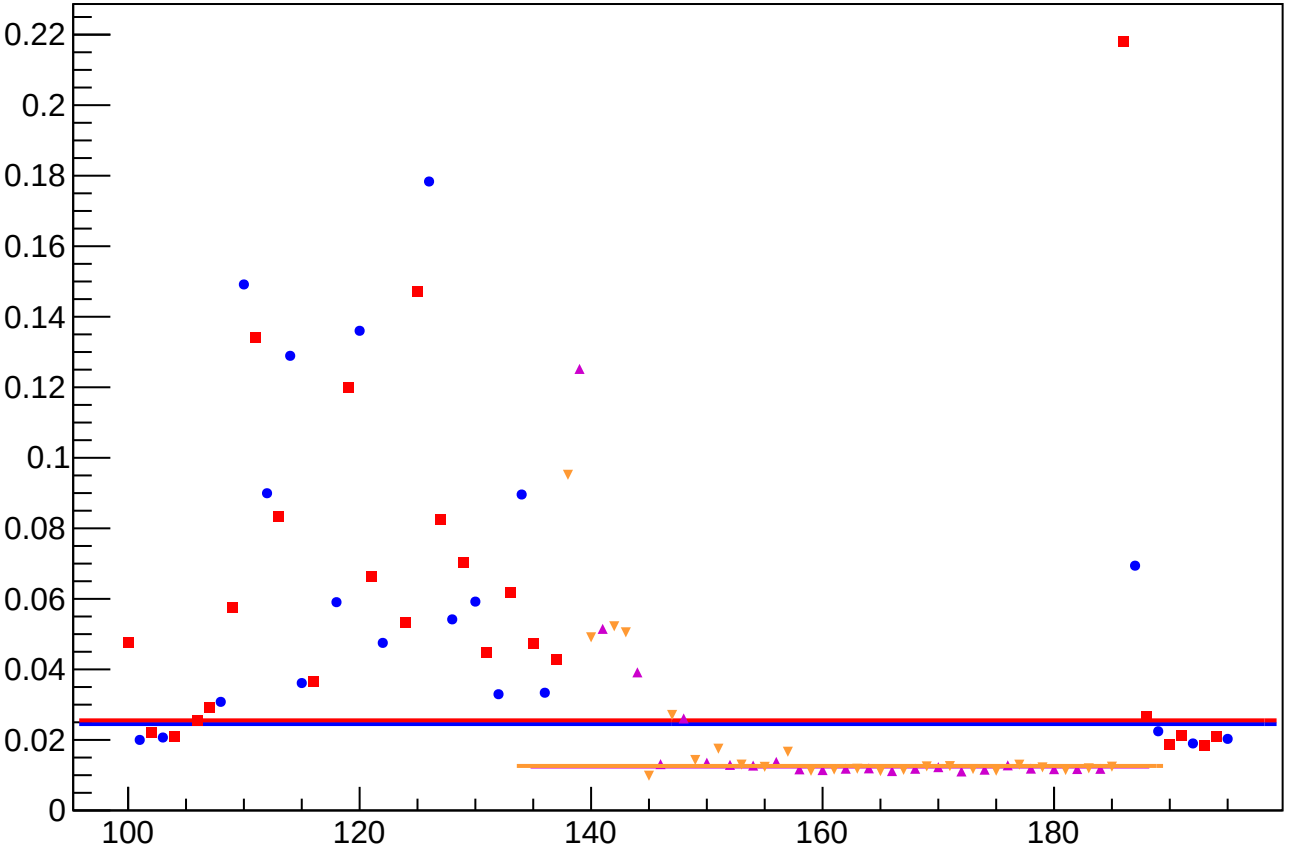
Right: 0.656+/-0.000 χ^2/NDF: 27940771227.0/44

In: 0.857+/-0.000 χ^2/NDF:636841003982.8/42

Out: 0.726+/-0.000 χ^2/NDF:547584035815.3/49

All: 0.791+/-0.000 χ^2/NDF: 1185371292407.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 3762964.9/19

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.026+/-0.000 χ^2/NDF: 4649835.5/24

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

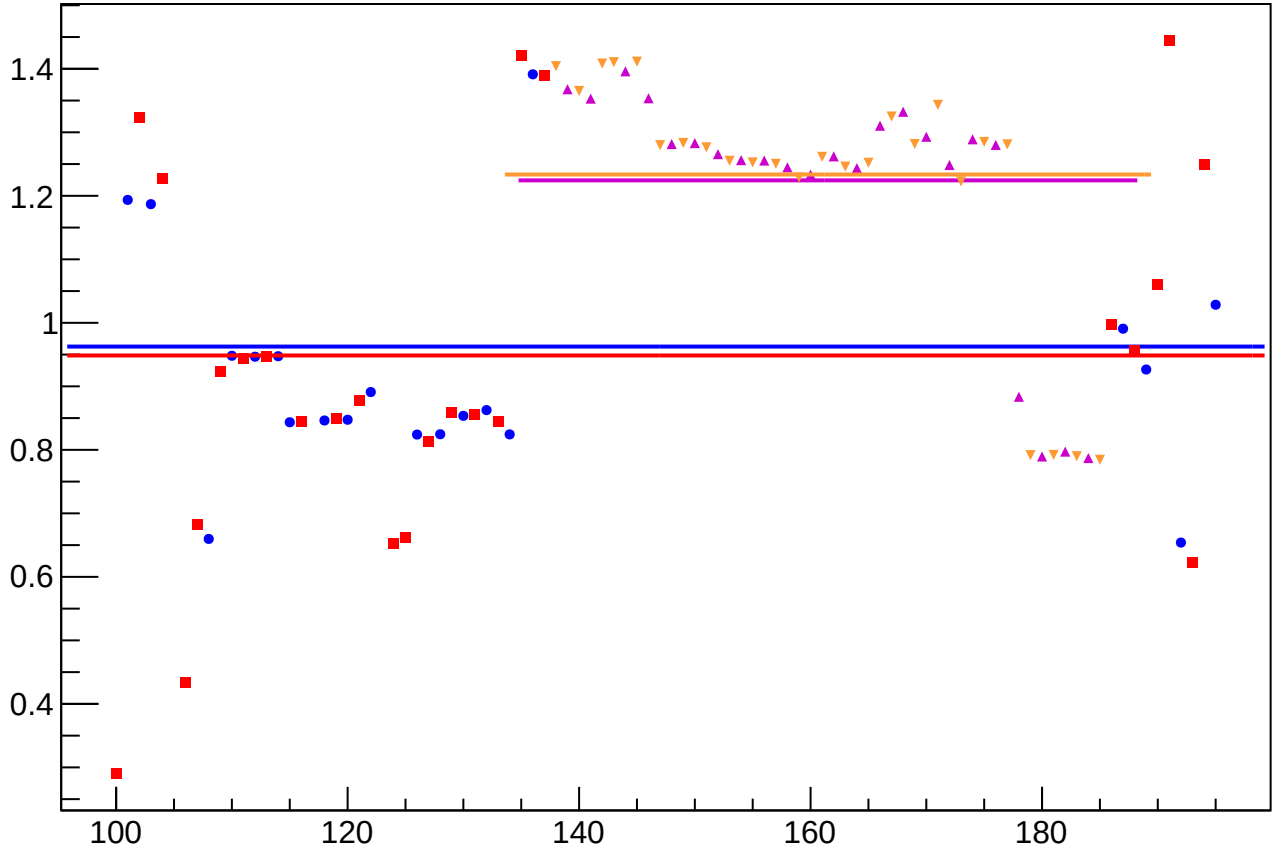
Right: 0.025+/-0.000 χ^2/NDF: 8423524.4/44

In: 0.013+/-0.000 χ^2/NDF:8997675.3/42

Out: 0.014+/-0.000 χ^2/NDF:10920706.9/49

All: 0.014+/-0.000 χ^2/NDF: 19930083.8/92

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.963+/-0.000 χ^2/NDF: 1589560930.4/19

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.949+/-0.000 χ^2/NDF: 1930020969.9/24

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

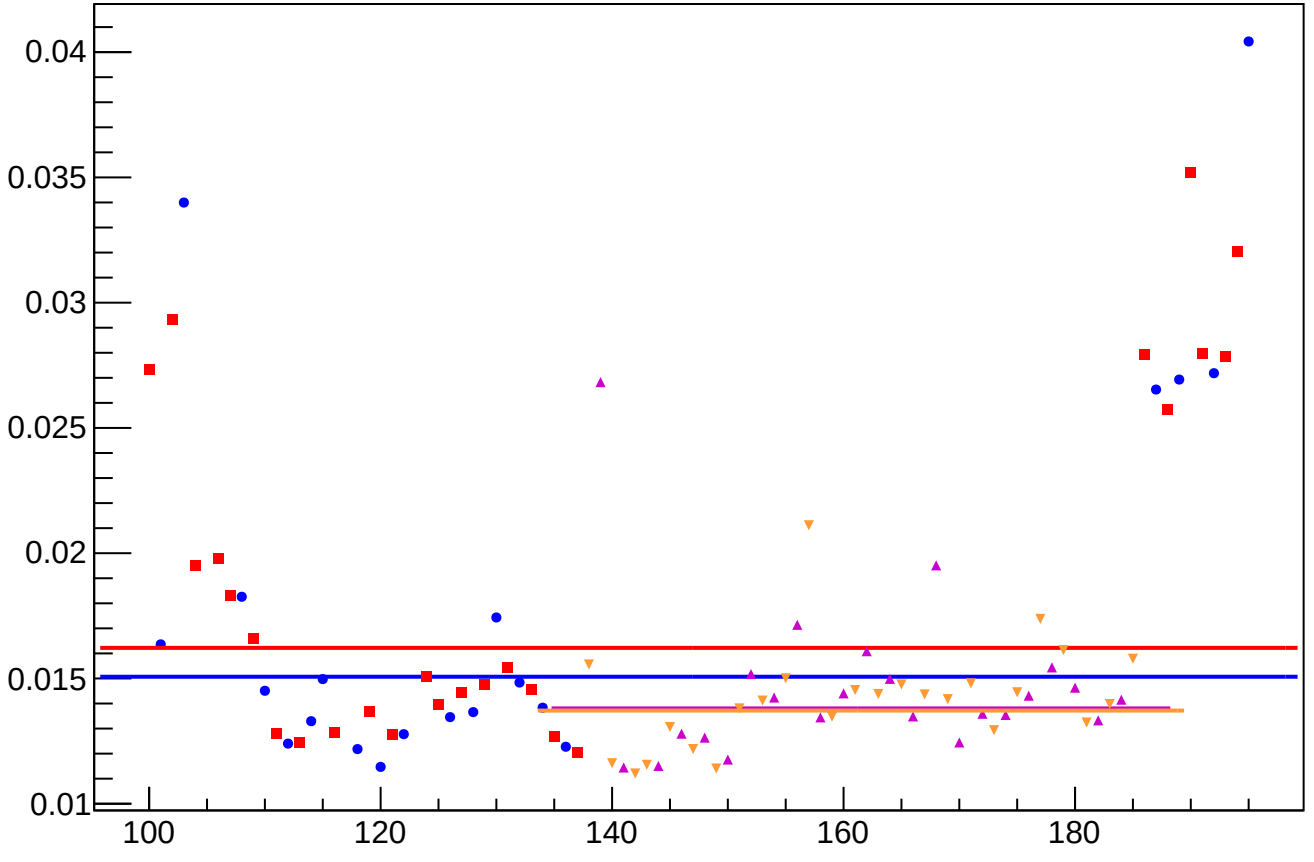
Right: 0.956+/-0.000 χ^2/NDF: 3523020053.5/44

In: 1.148+/-0.000 χ^2/NDF:5945151855.2/42

Out: 1.154+/-0.000 χ^2/NDF:7013749951.9/49

All: 1.151+/-0.000 χ^2/NDF: 12961203977.8/9

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1968611.8/19

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.016+/-0.000 χ^2/NDF: 2087759.9/24

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

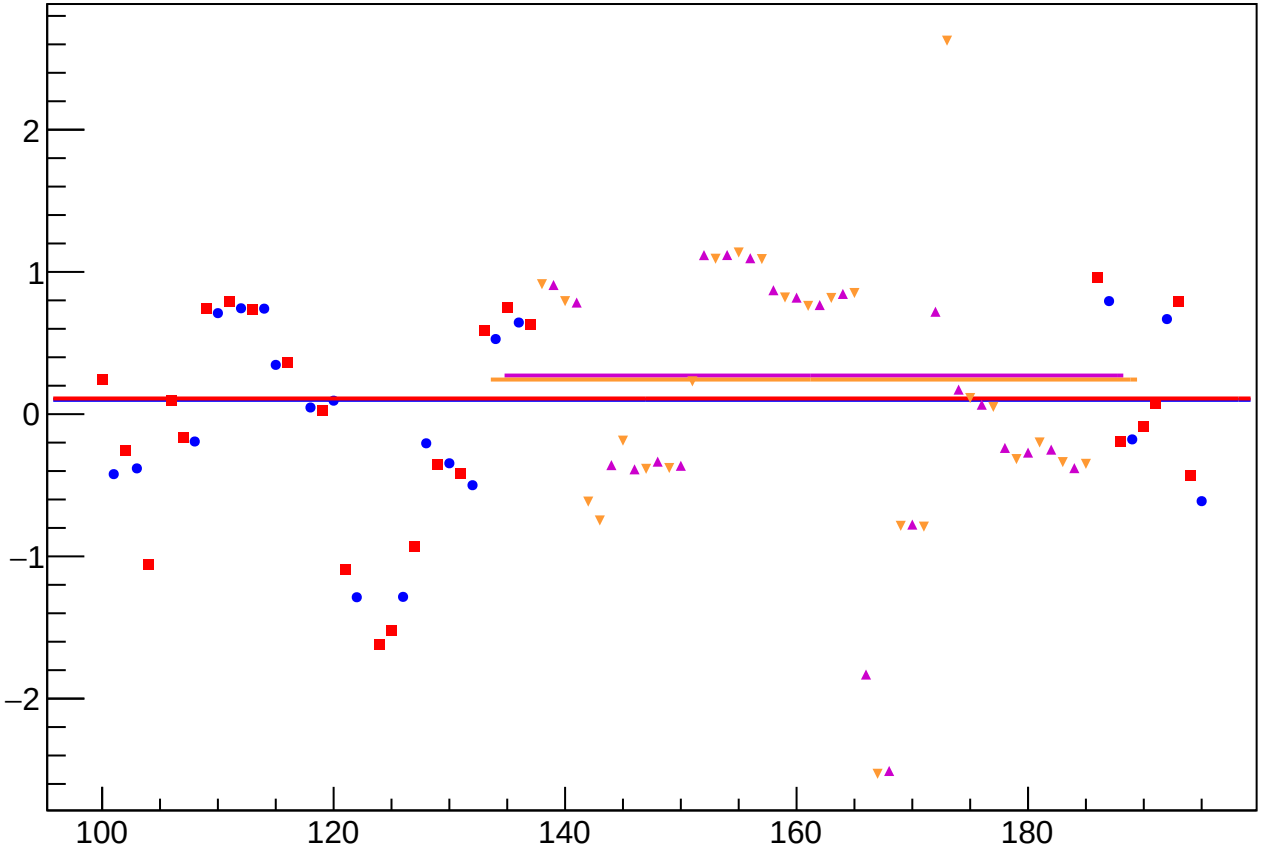
Right: 0.016+/-0.000 χ^2/NDF: 4102807.2/44

In: 0.014+/-0.000 χ^2/NDF:2918156.9/42

Out: 0.014+/-0.000 χ^2/NDF:2953503.9/49

All: 0.014+/-0.000 χ^2/NDF: 5878855.9/92

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.101+/-0.000 χ^2/NDF: 16862102287.1/19

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.110+/-0.000 χ^2/NDF: 23076803341.7/24

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

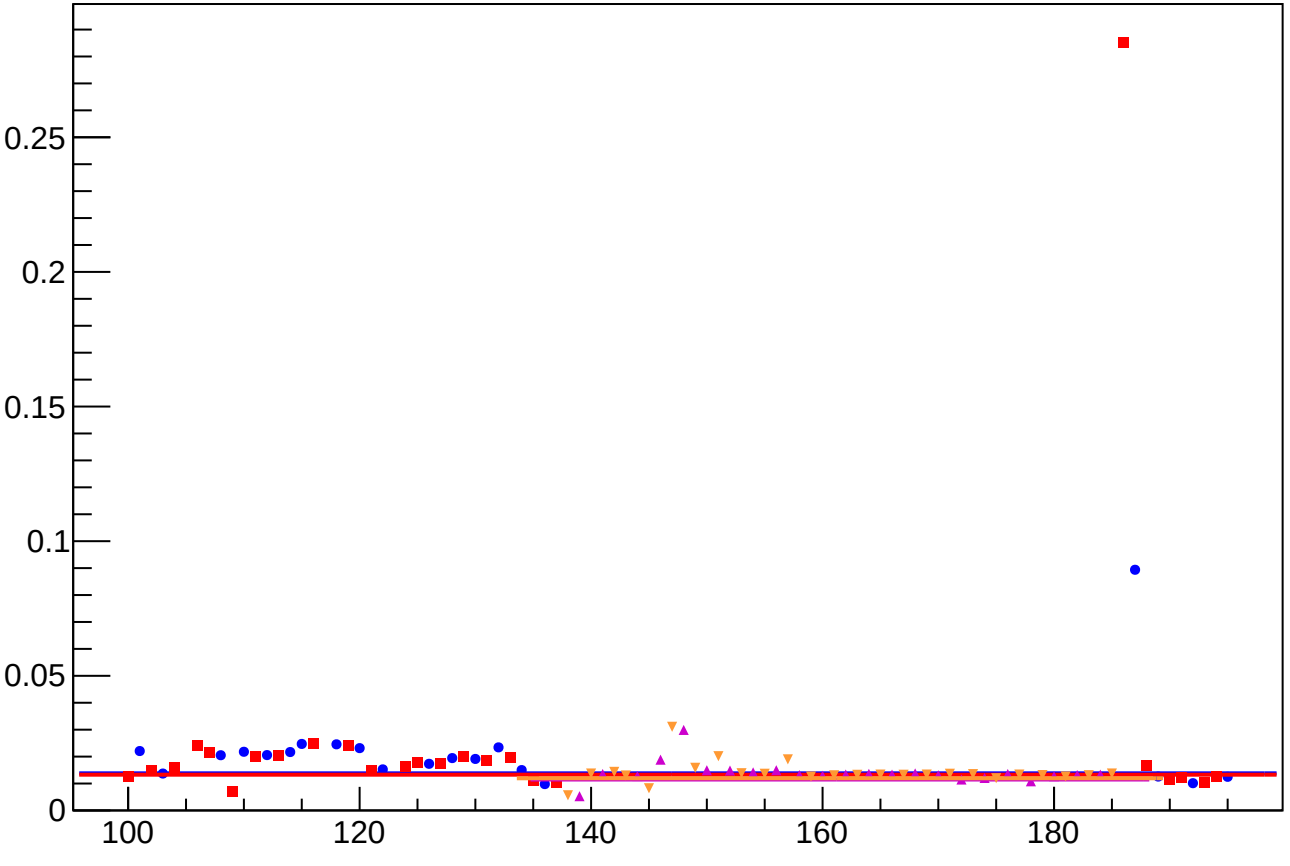
Right: 0.106+/-0.000 χ^2/NDF: 39940984494.0/44

In: 0.226+/-0.000 χ^2/NDF:108268585720.7/42

Out: 0.204+/-0.000 χ^2/NDF:129279675060.7/49

All: 0.215+/-0.000 χ^2/NDF: 237588439681.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1959765.3/19

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2614231.8/24

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

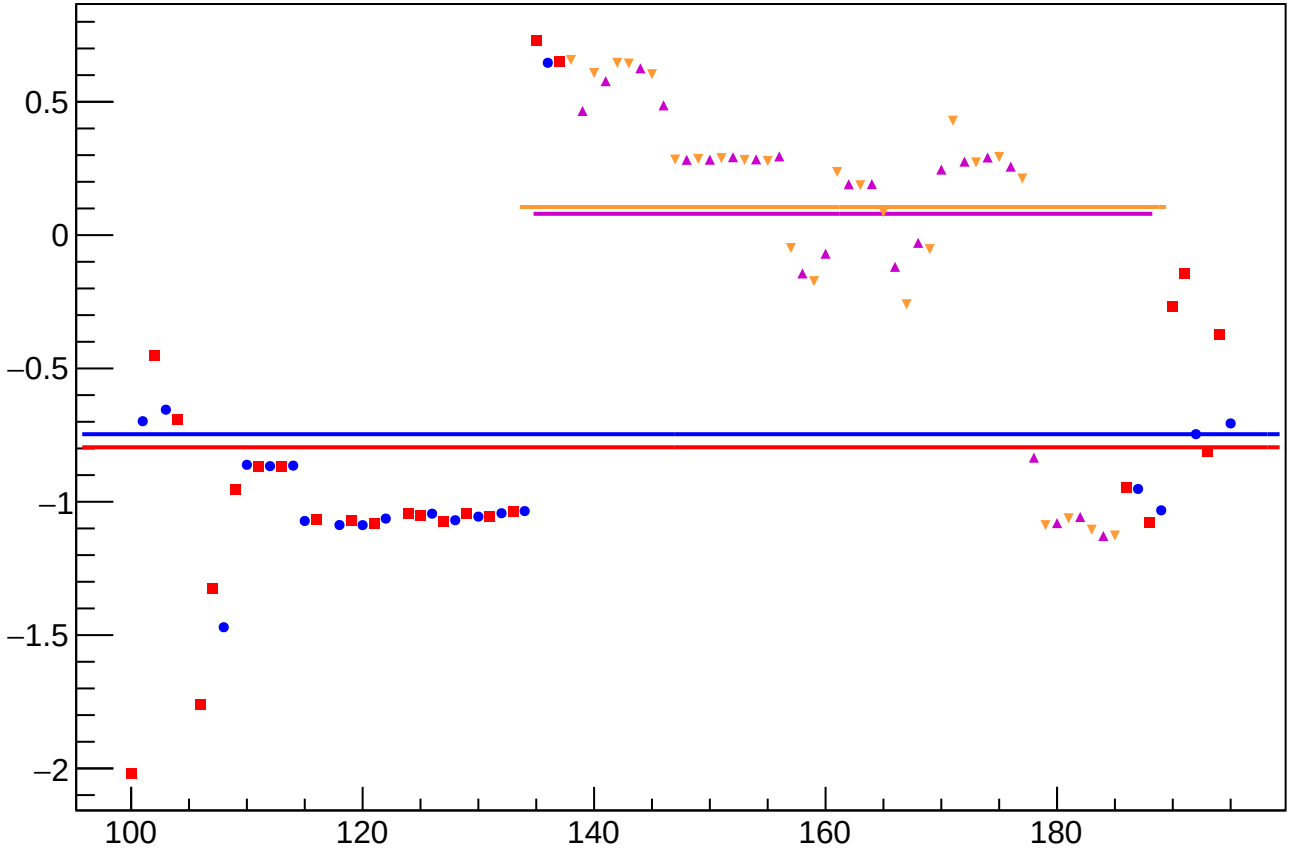
Right: 0.014+/-0.000 χ^2/NDF: 4585389.0/44

In: 0.012+/-0.000 χ^2/NDF:5958416.8/42

Out: 0.012+/-0.000 χ^2/NDF:6003076.9/49

All: 0.012+/-0.000 χ^2/NDF: 11971499.9/92

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.747+/-0.000 χ^2/NDF: 2087502507.8/19

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.796+/-0.000 χ^2/NDF: 1974259682.3/24

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

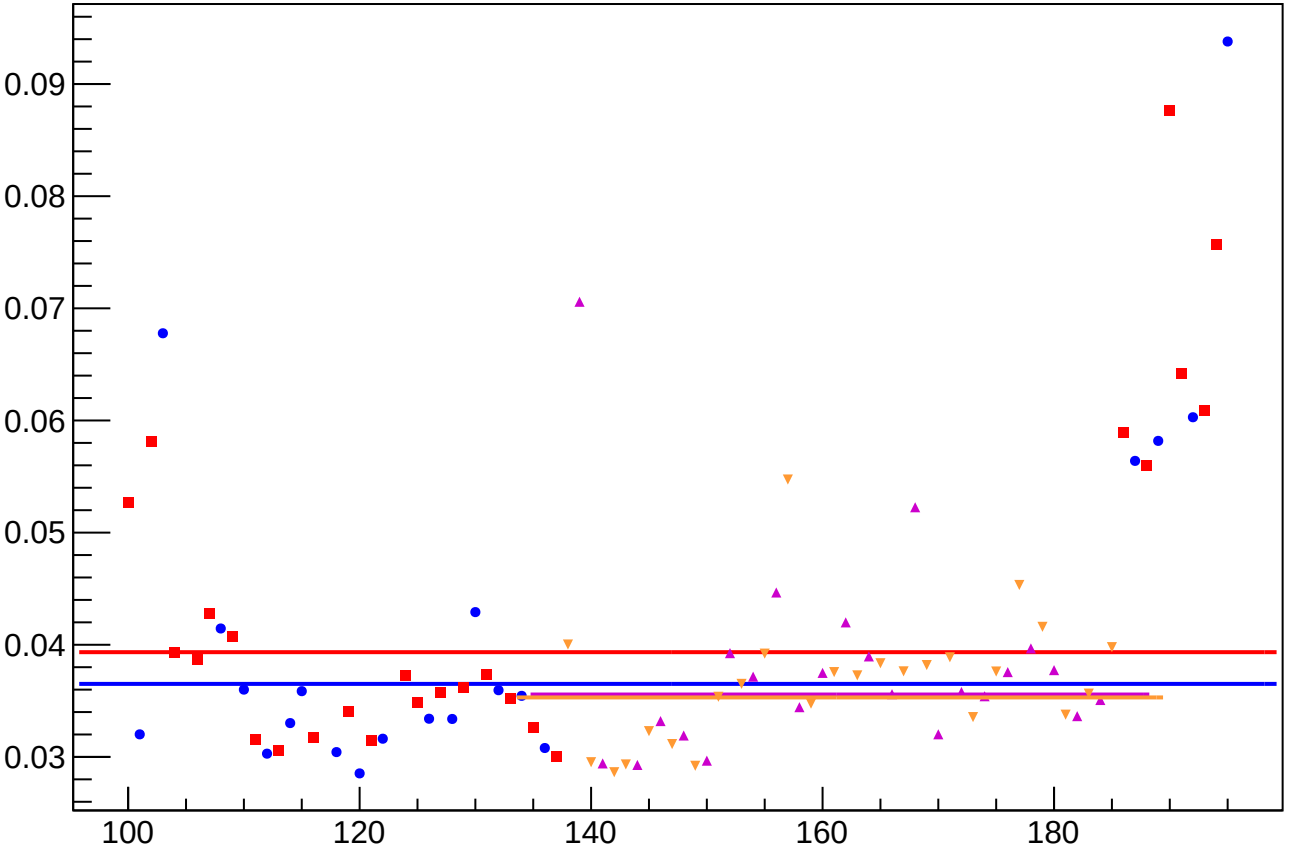
Right: -0.771+/-0.000 χ^2/NDF: 4069051616.0/44

In: -0.188+/-0.000 χ^2/NDF:8176625861.9/42

Out: -0.173+/-0.000 χ^2/NDF:9146260183.3/49

All: -0.180+/-0.000 χ^2/NDF: 17325058309.8/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.037+/-0.000 χ^2/NDF: 1583275.0/19

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.039+/-0.000 χ^2/NDF: 1576888.5/24

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

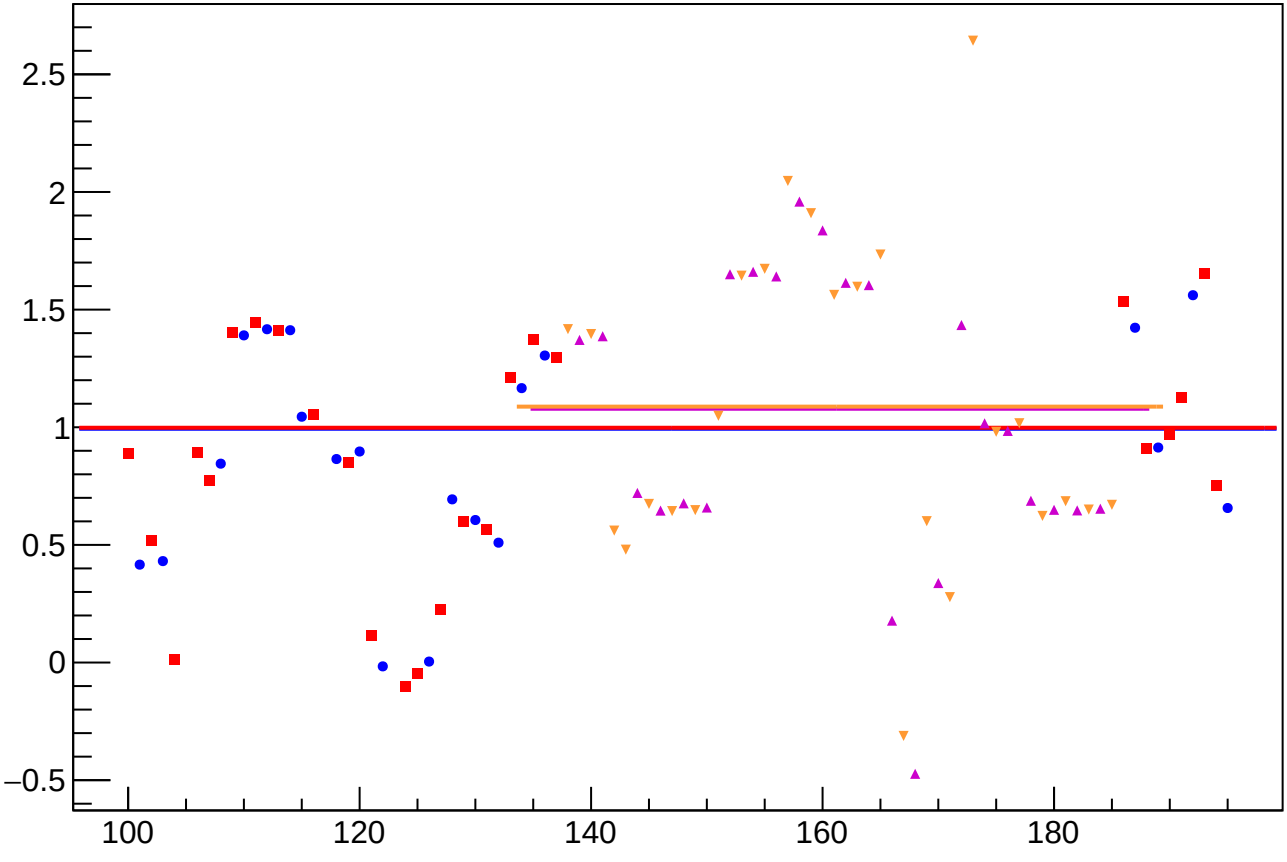
Right: 0.038+/-0.000 χ^2/NDF: 3208747.8/44

In: 0.036+/-0.000 χ^2/NDF:2551081.4/42

Out: 0.037+/-0.000 χ^2/NDF:2325406.5/49

All: 0.036+/-0.000 χ^2/NDF: 4885365.5/92

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.994+/-0.000 χ^2/NDF: 20169372964.0/19

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.998+/-0.000 χ^2/NDF: 25154559239.9/24

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

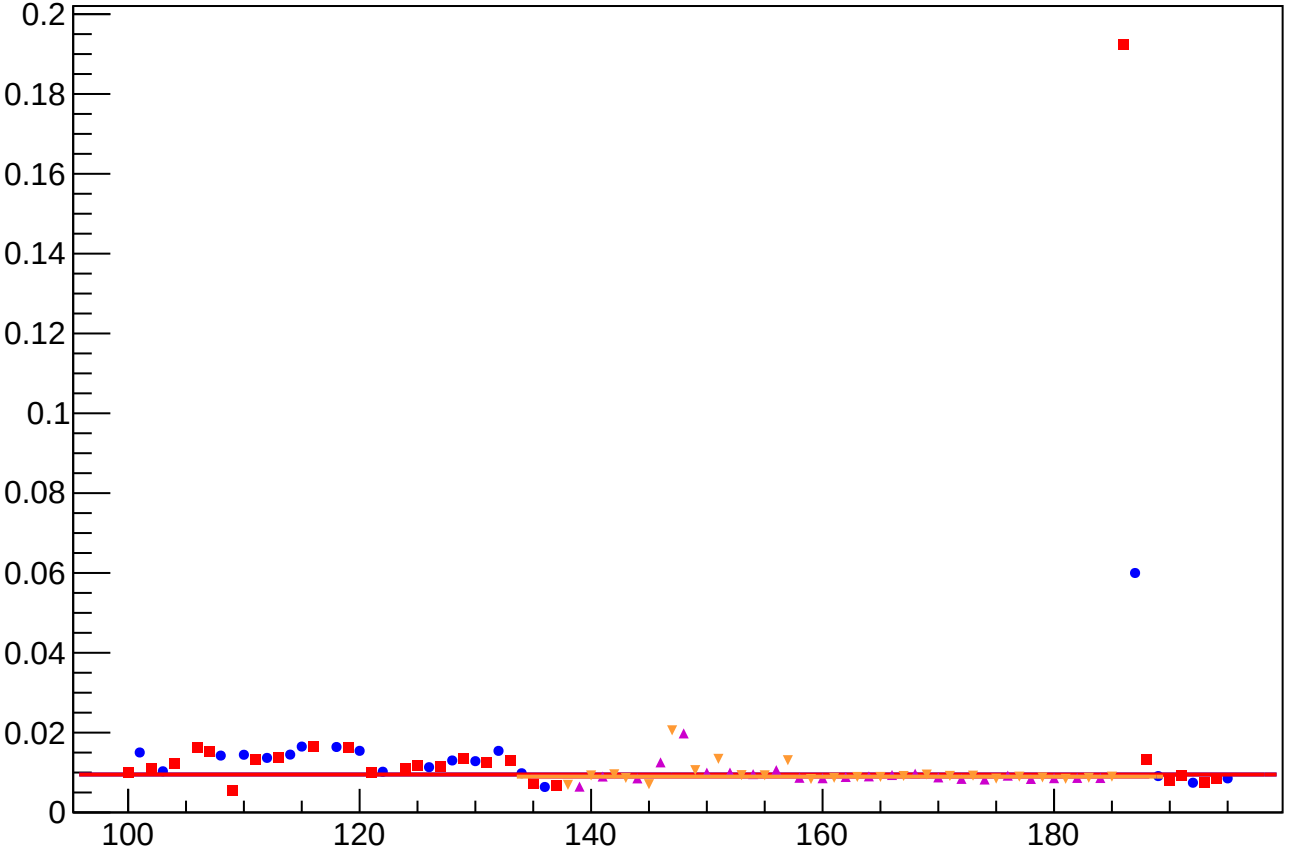
Right: 0.996+/-0.000 χ^2/NDF: 45324764552.1/44

In: 1.053+/-0.000 χ^2/NDF:94704739515.2/42

Out: 1.060+/-0.000 χ^2/NDF:119555188255.6/49

All: 1.057+/-0.000 χ^2/NDF: 214267377383.6

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1847650.9/19

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 2327804.0/24

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

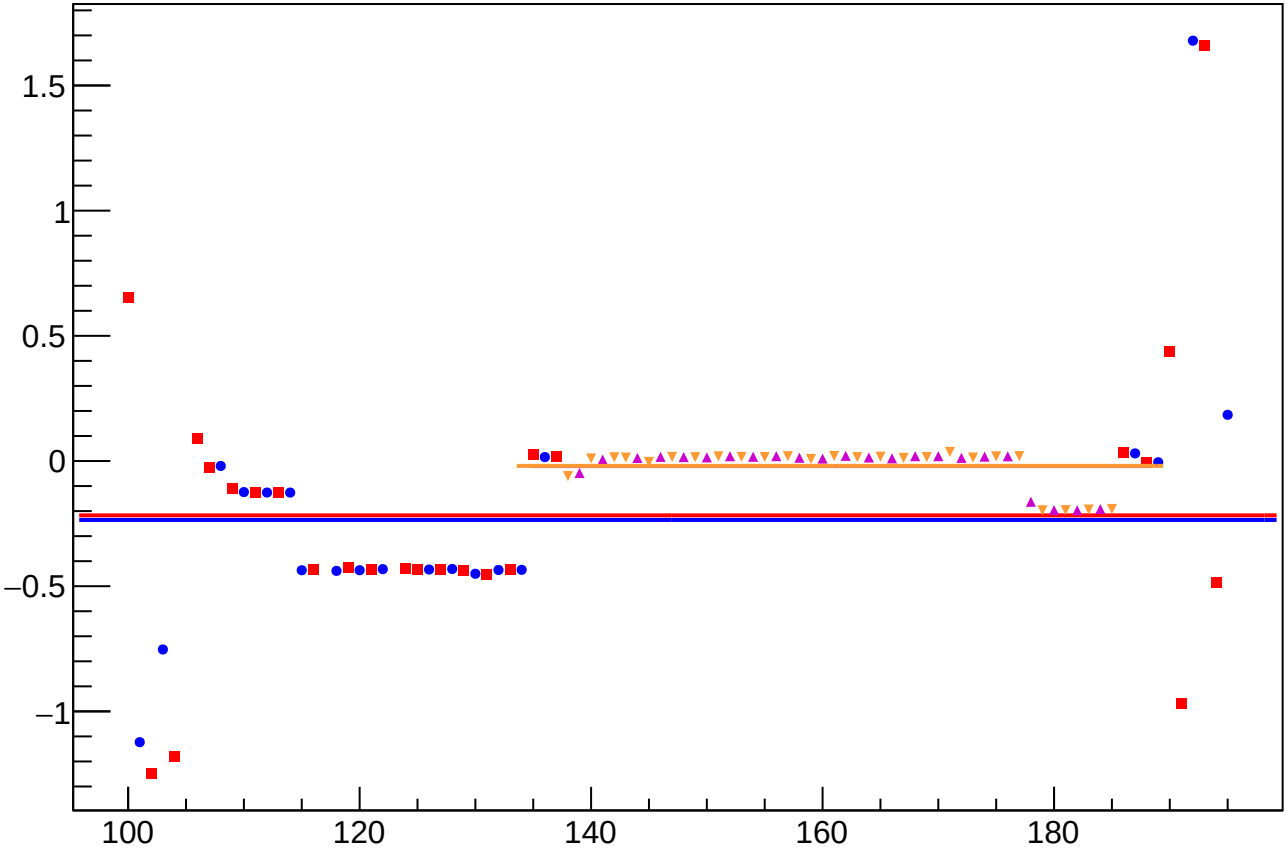
Right: 0.010+/-0.000 χ^2/NDF: 4175462.6/44

In: 0.009+/-0.000 χ^2/NDF:2854672.9/42

Out: 0.009+/-0.000 χ^2/NDF:3512814.3/49

All: 0.009+/-0.000 χ^2/NDF: 6367599.8/92

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.235+/-0.000 χ^2/NDF: 3018202835.7/19

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 2611880830.6/24

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

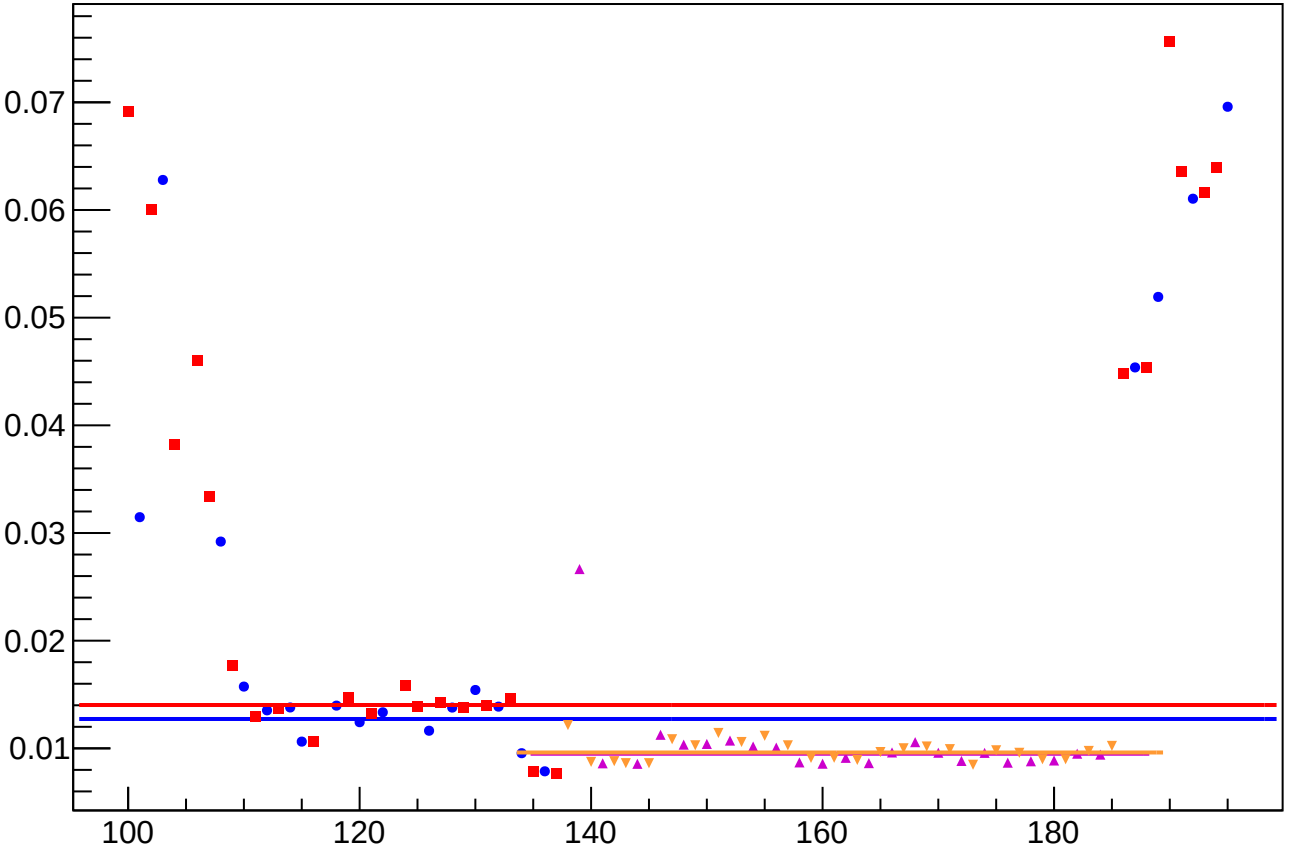
Right: -0.227+/-0.000 χ^2/NDF: 5635882047.5/44

In: -0.058+/-0.000 χ^2/NDF:5383827592.3/42

Out: -0.050+/-0.000 χ^2/NDF:4755417975.7/49

All: -0.054+/-0.000 χ^2/NDF: 10145609553.9/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 5016497.1/19

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 6298457.3/24

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

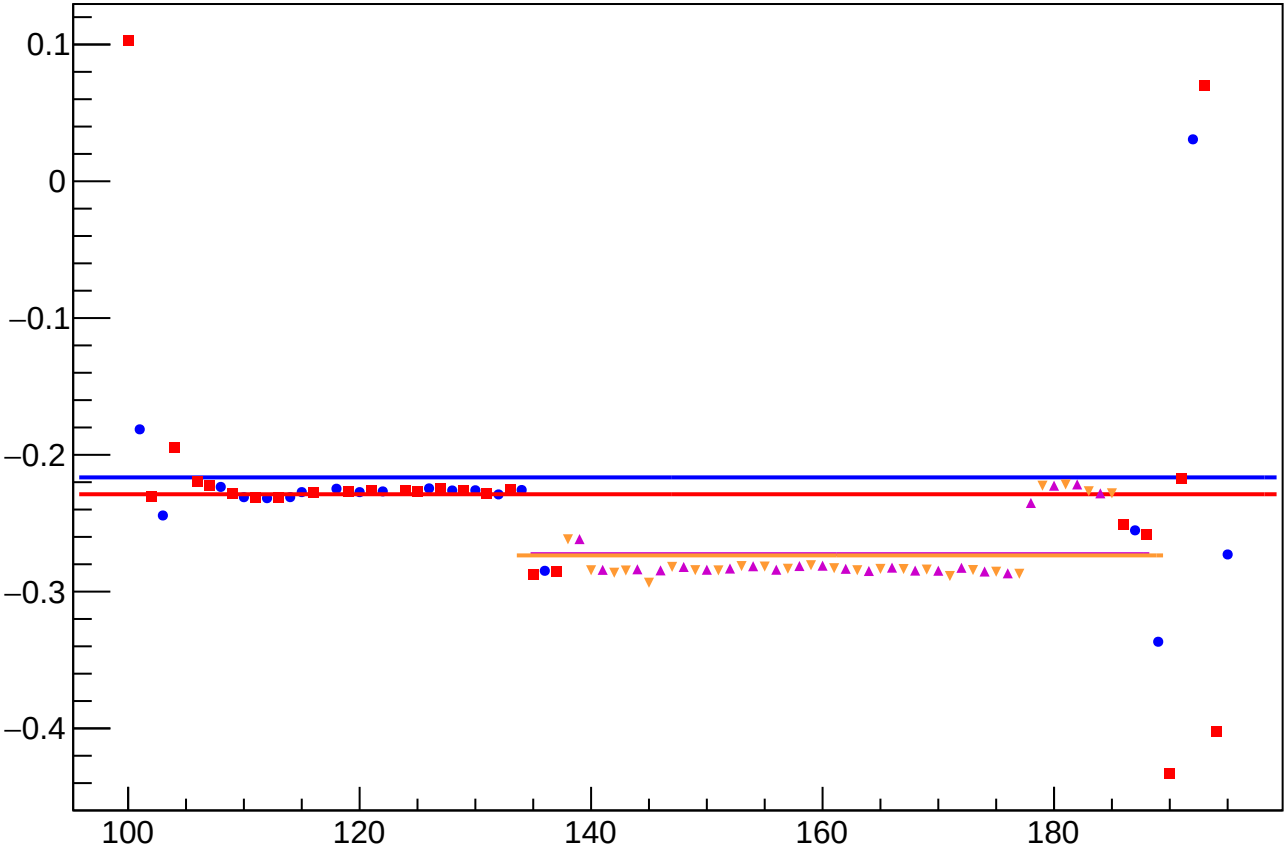
Right: 0.013+/-0.000 χ^2/NDF: 11373115.3/44

In: 0.010+/-0.000 χ^2/NDF:6538593.1/42

Out: 0.010+/-0.000 χ^2/NDF:7650279.3/49

All: 0.010+/-0.000 χ^2/NDF: 14200635.8/92

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.216+/-0.000 χ^2/NDF: 2235758948.1/19

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.229+/-0.000 χ^2/NDF: 3471646345.0/24

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

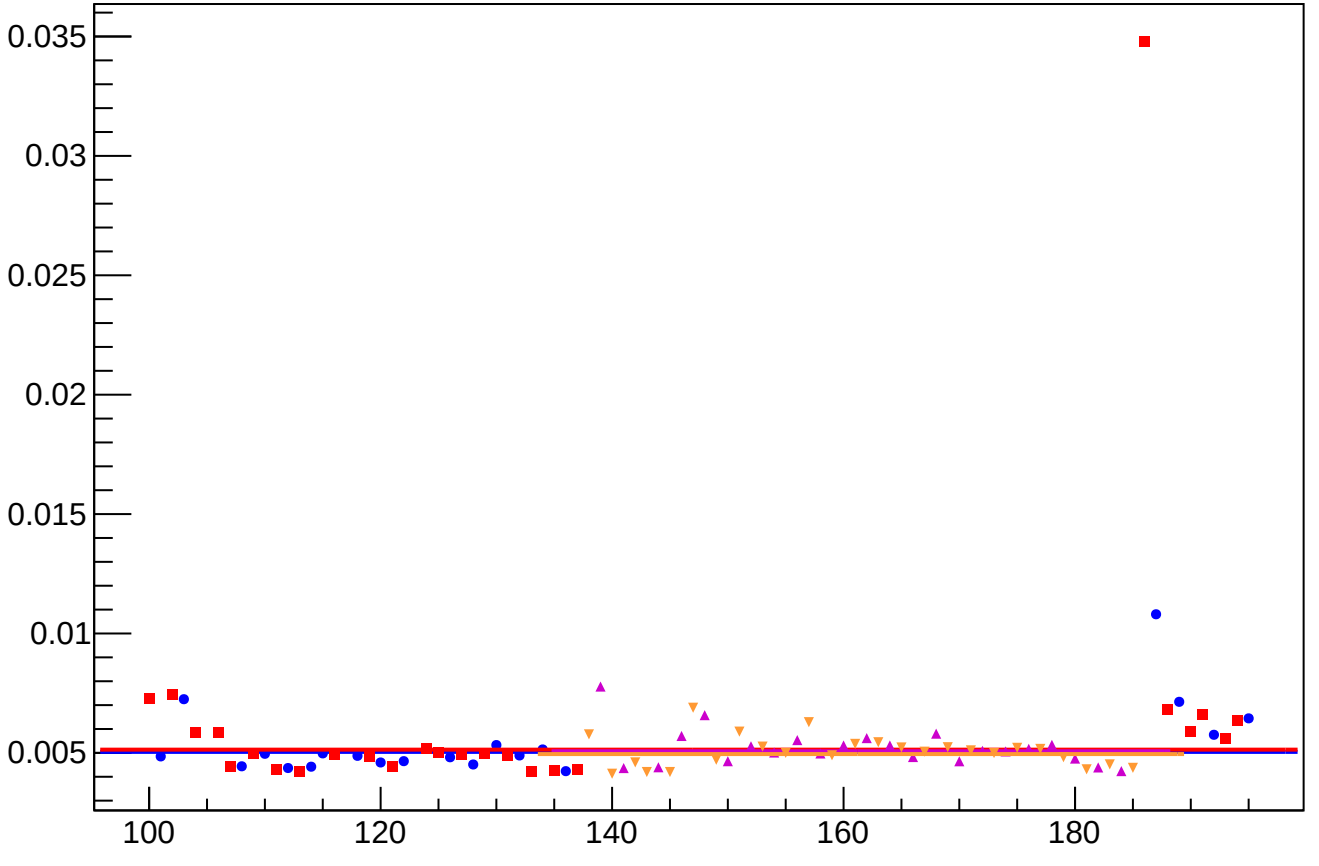
Right: -0.223+/-0.000 χ^2/NDF: 5734476232.0/44

In: -0.254+/-0.000 χ^2/NDF:3285857574.6/42

Out: -0.259+/-0.000 χ^2/NDF:4360348329.3/49

All: -0.256+/-0.000 χ^2/NDF: 7659494731.0/9

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 529092.5/19

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1132849.1/24

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

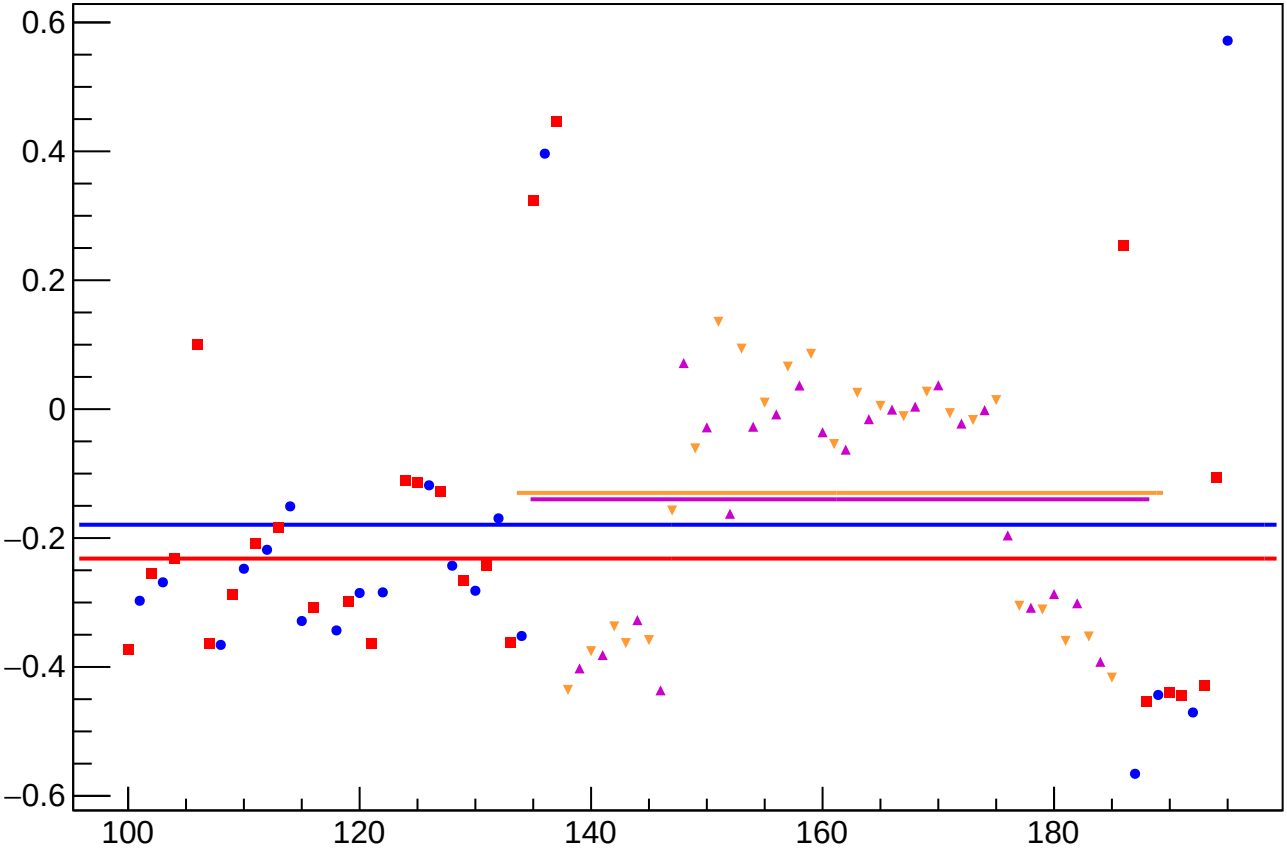
Right: 0.005+/-0.000 χ^2/NDF: 1665068.2/44

In: 0.005+/-0.000 χ^2/NDF:1068764.2/42

Out: 0.005+/-0.000 χ^2/NDF:1678565.7/49

All: 0.005+/-0.000 χ^2/NDF: 2749580.7/92

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.179+/-0.000 χ^2/NDF: 20277363686.2/19

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.232+/-0.000 χ^2/NDF: 9814424936.3/24

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

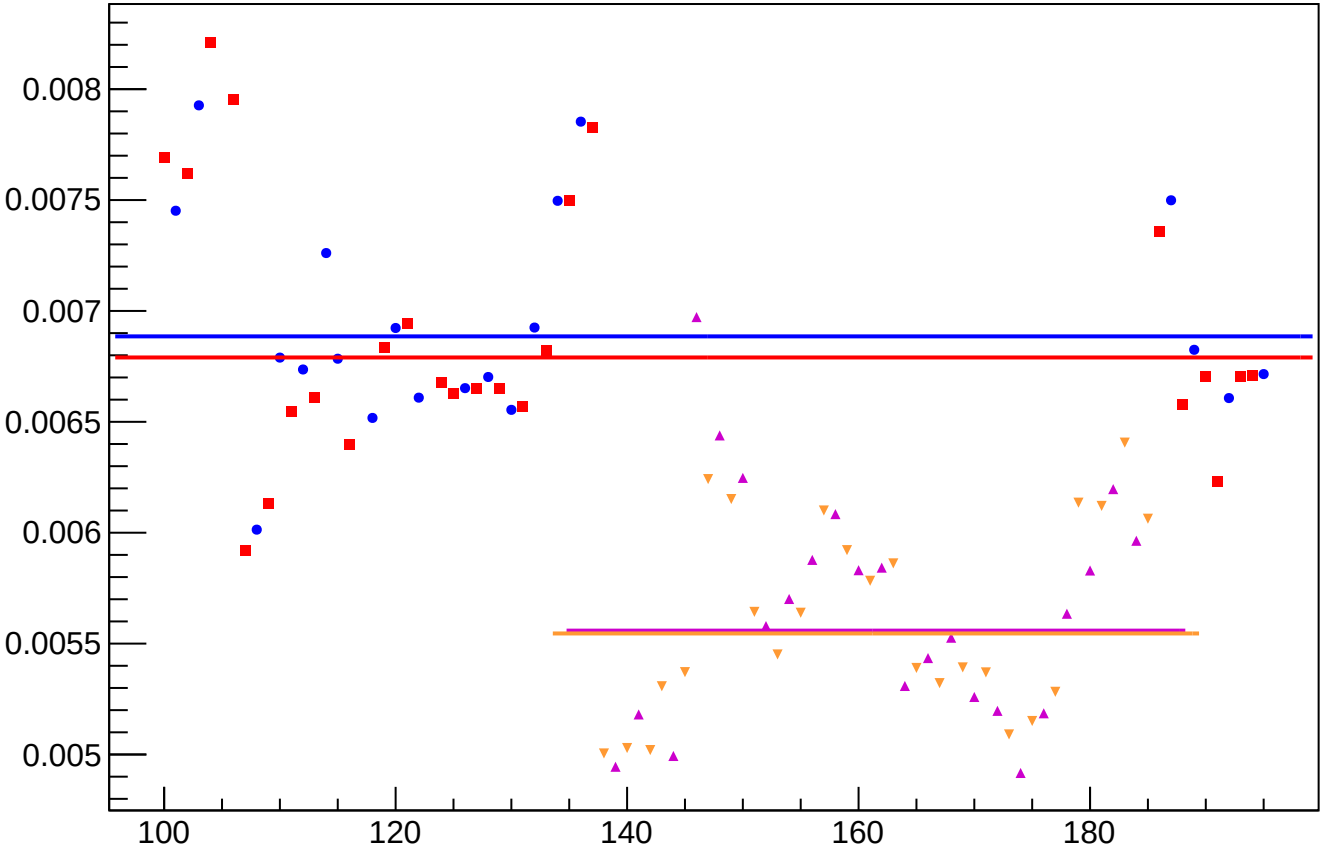
Right: -0.208+/-0.000 χ^2/NDF: 30391062929.3/44

In: -0.150+/-0.000 χ^2/NDF:35656897101.6/42

Out: -0.159+/-0.000 χ^2/NDF:33059271799.6/49

All: -0.155+/-0.000 χ^2/NDF: 68743852484.4/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 93130.6/19

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 112059.9/24

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

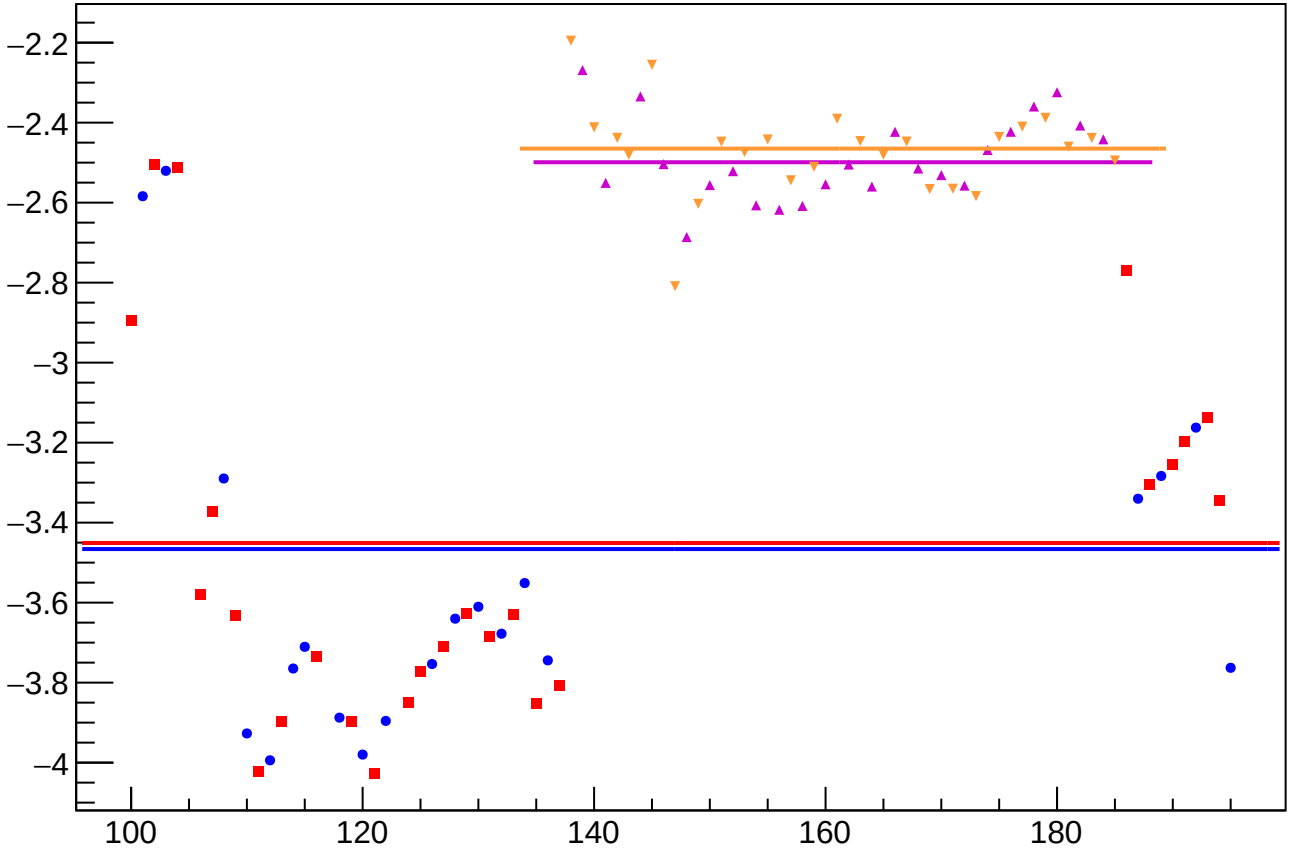
Right: 0.007+/-0.000 χ^2/NDF: 207153.0/44

In: 0.006+/-0.000 χ^2/NDF:876358.9/42

Out: 0.006+/-0.000 χ^2/NDF:835380.4/49

All: 0.006+/-0.000 χ^2/NDF: 1711886.0/92

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.466+/-0.000 χ^2/NDF: 30981503462.4/19

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.451+/-0.000 χ^2/NDF: 32536420079.1/24

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

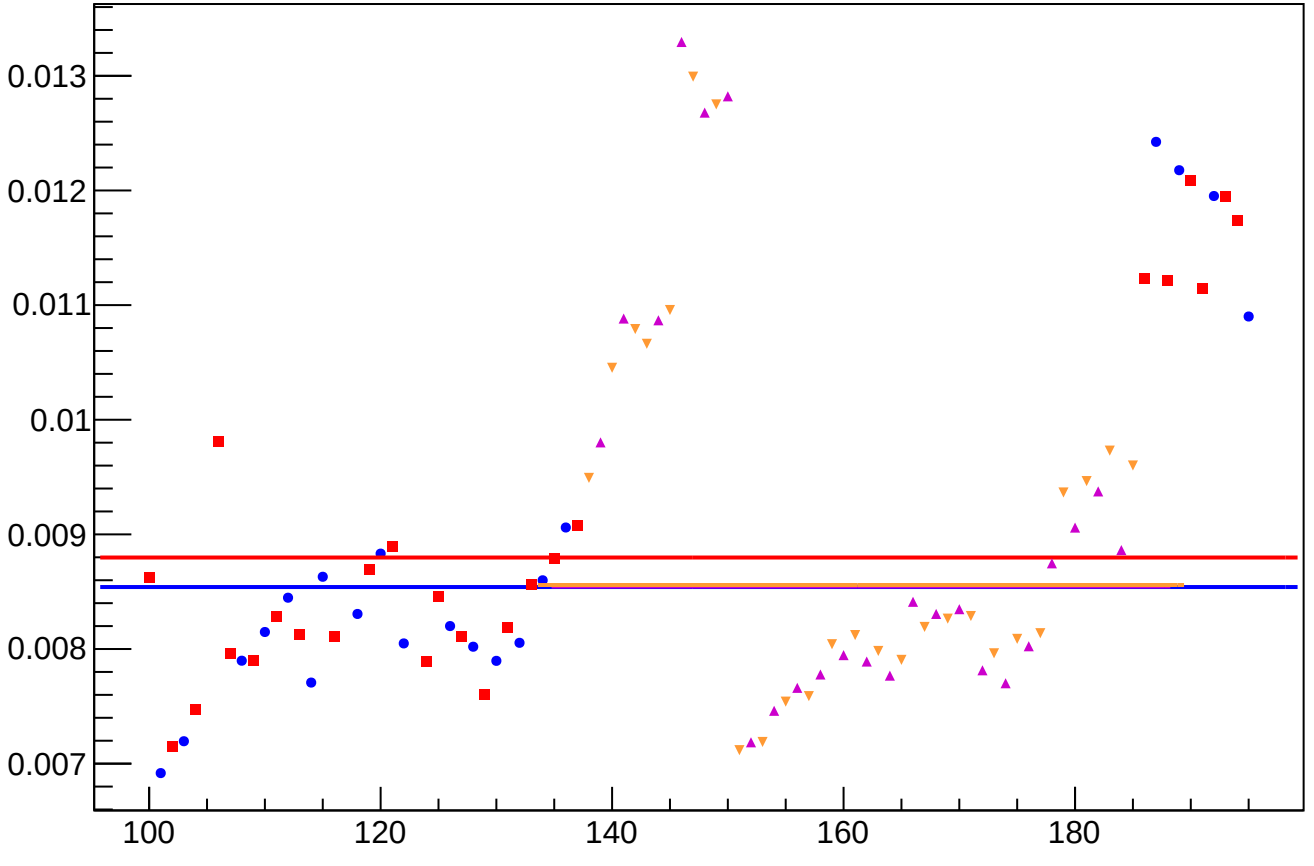
Right: -3.458+/-0.000 χ^2/NDF: 63532948475.0/44

In: -2.840+/-0.000 χ^2/NDF:110350575685.2/42

Out: -2.813+/-0.000 χ^2/NDF:119467823833.7/49

All: -2.826+/-0.000 χ^2/NDF: 229948676561.2

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 509532.2/19

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 585816.5/24

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

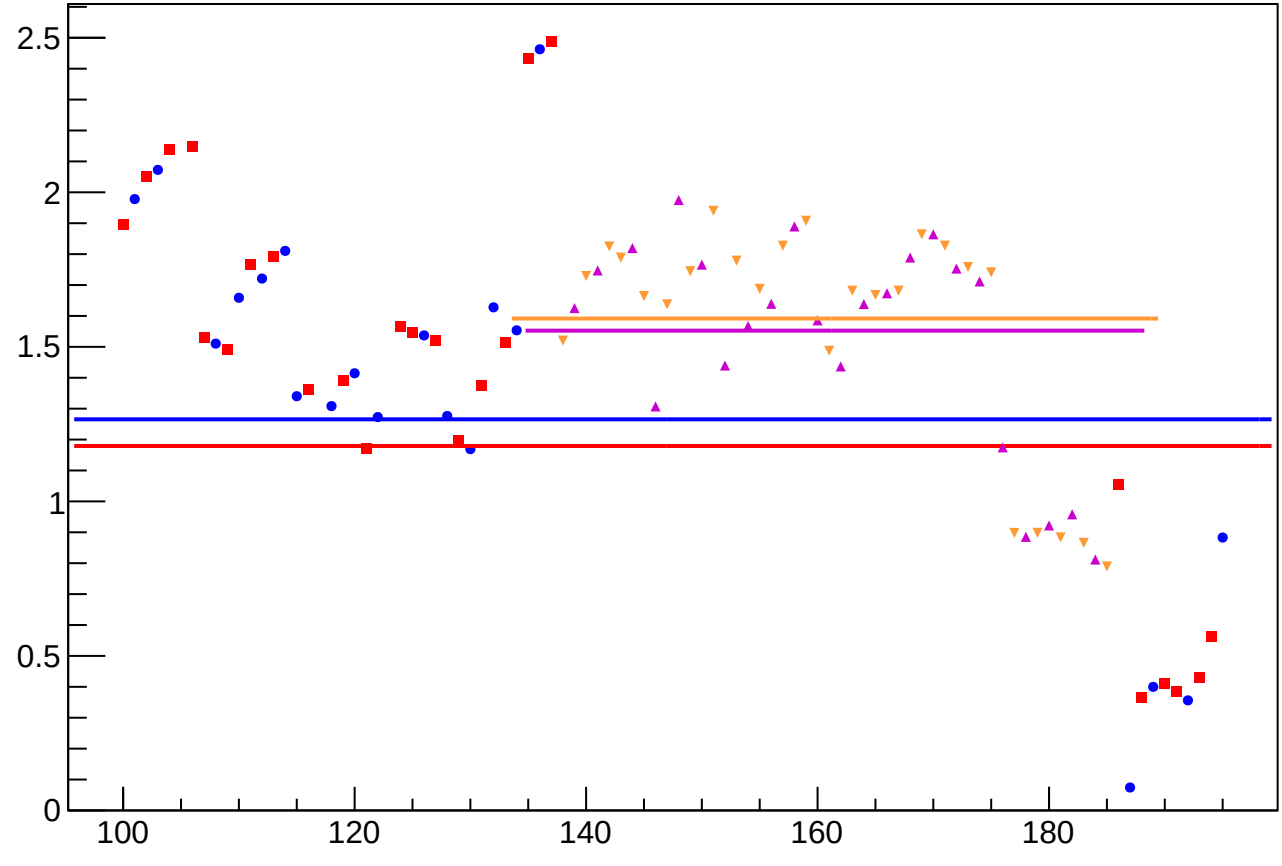
Right: 0.009+/-0.000 χ^2/NDF: 1104032.0/44

In: 0.009+/-0.000 χ^2/NDF:1420297.0/42

Out: 0.009+/-0.000 χ^2/NDF:1419877.9/49

All: 0.009+/-0.000 χ^2/NDF: 2843812.7/92

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.266+/-0.000 χ^2/NDF: 27319573893.6/19

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.179+/-0.000 χ^2/NDF: 33376138530.3/24

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

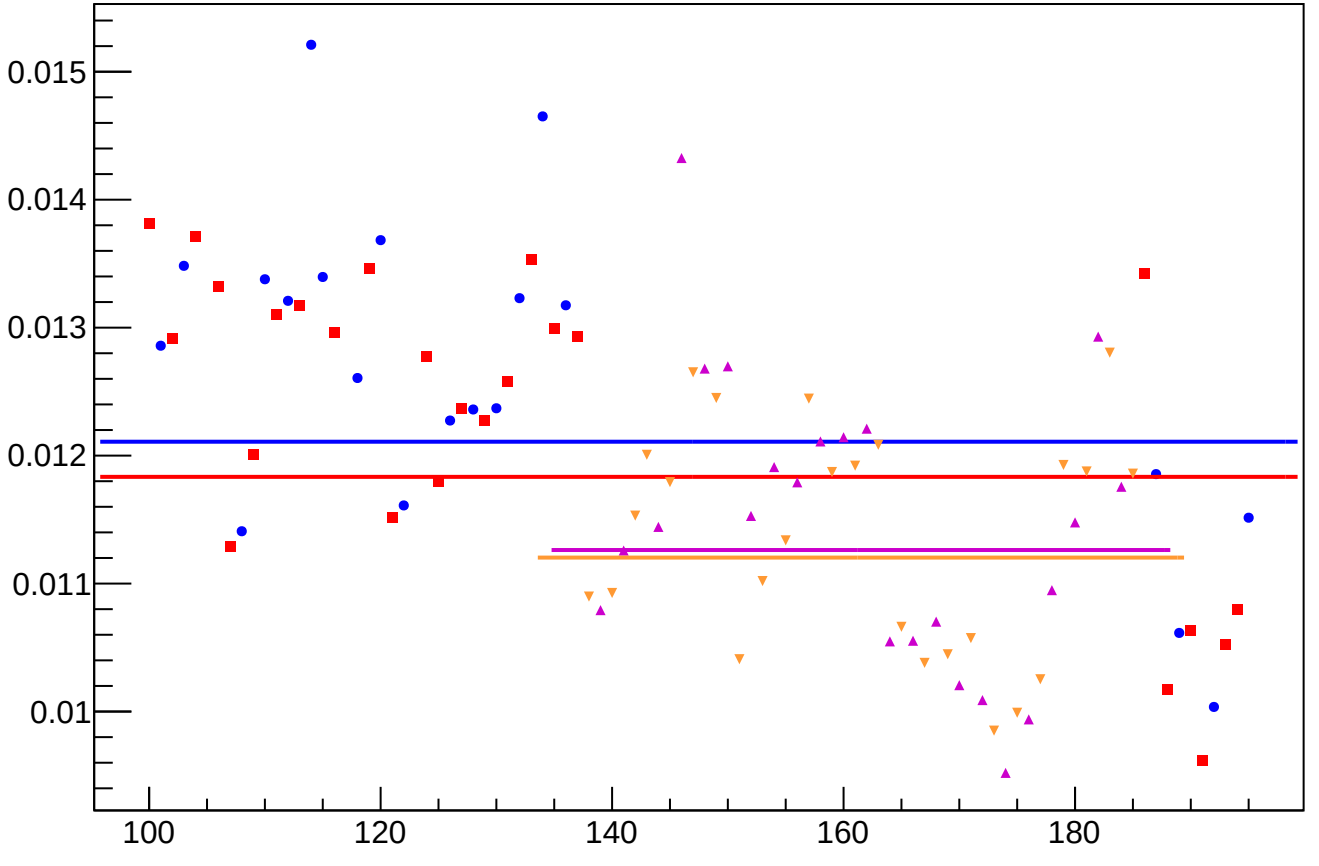
Right: 1.219+/-0.000 χ^2/NDF: 60956571437.7/44

In: 1.460+/-0.000 χ^2/NDF:44984355331.9/42

Out: 1.451+/-0.000 χ^2/NDF:58999996110.6/49

All: 1.455+/-0.000 χ^2/NDF: 103994248592.2

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 204691.5/19

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 244996.6/24

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

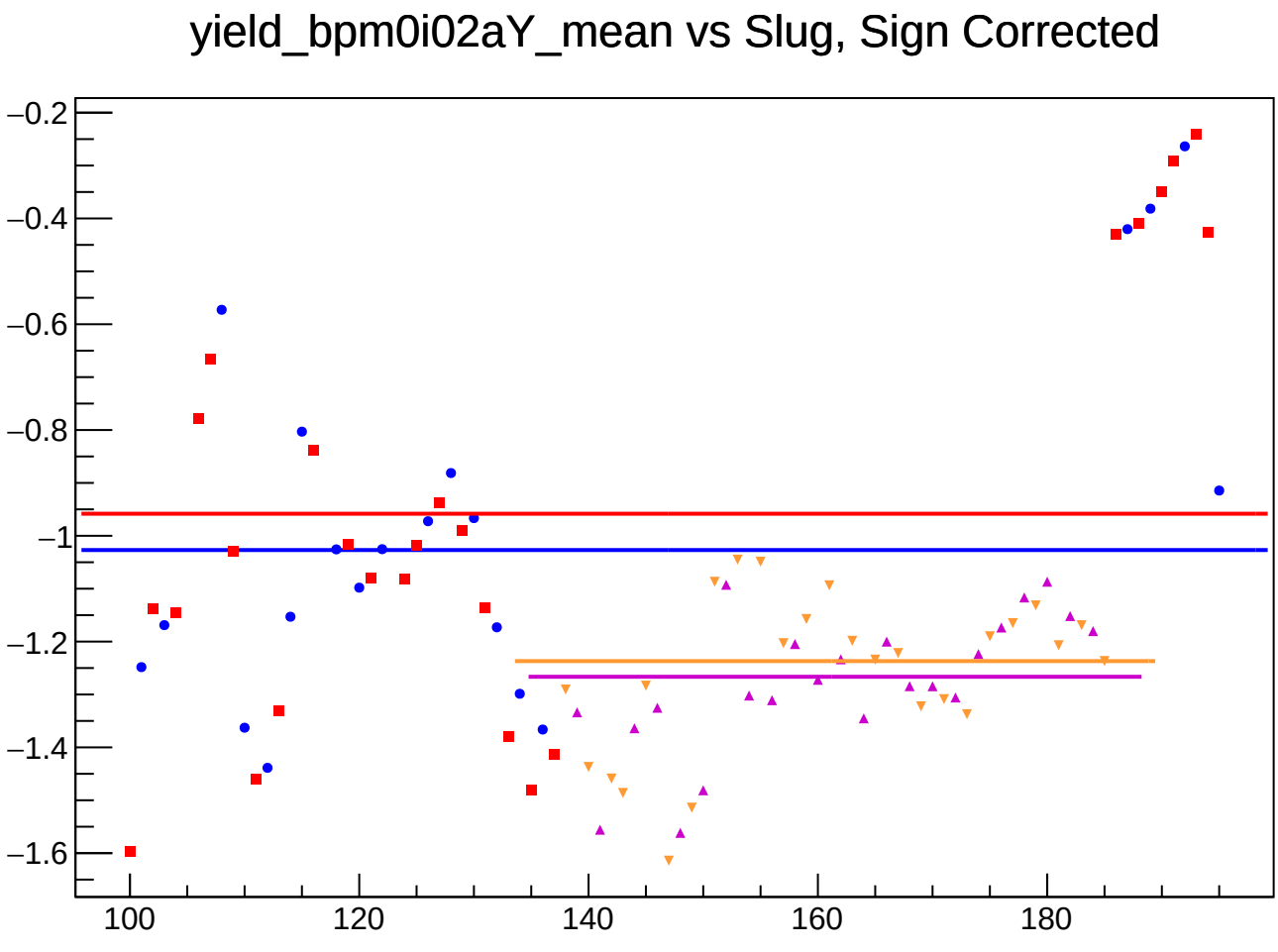
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 454963.2/44

In: 0.012+/-0.000 χ^2/NDF:579160.0/42

Out: 0.011+/-0.000 χ^2/NDF:508581.2/49

All: 0.011+/-0.000 χ^2/NDF: 1090552.7/92



Right In: -1.027+/-0.000 χ^2/NDF: 10952190438.7/19

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.958+/-0.000 χ^2/NDF: 16339160641.8/24

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

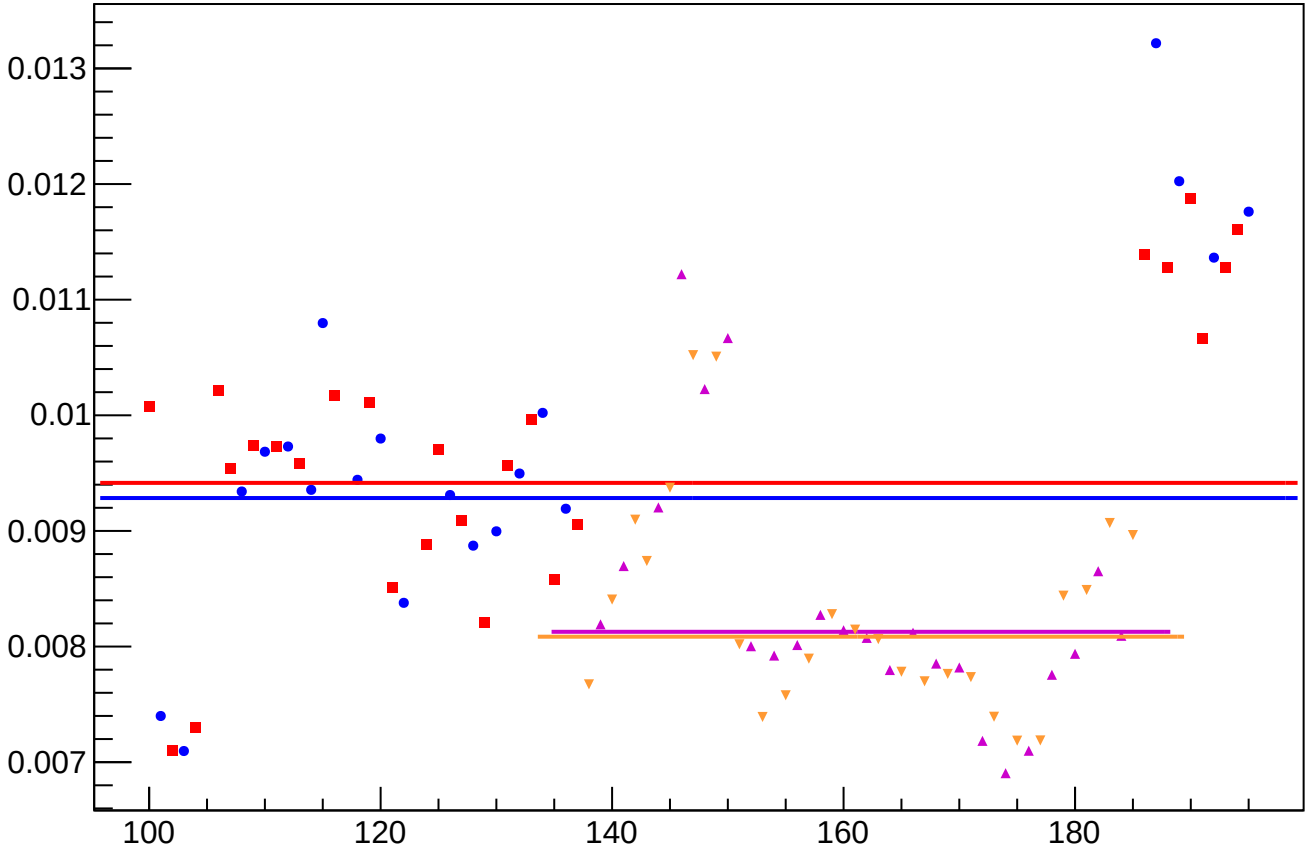
Right: -0.991+/-0.000 χ^2/NDF: 27554632321.1/44

In: -1.197+/-0.000 χ^2/NDF:18966748500.1/42

Out: -1.154+/-0.000 χ^2/NDF:27687410948.4/49

All: -1.175+/-0.000 χ^2/NDF: 46997070185.9/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 441509.6/19

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 484278.9/24

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

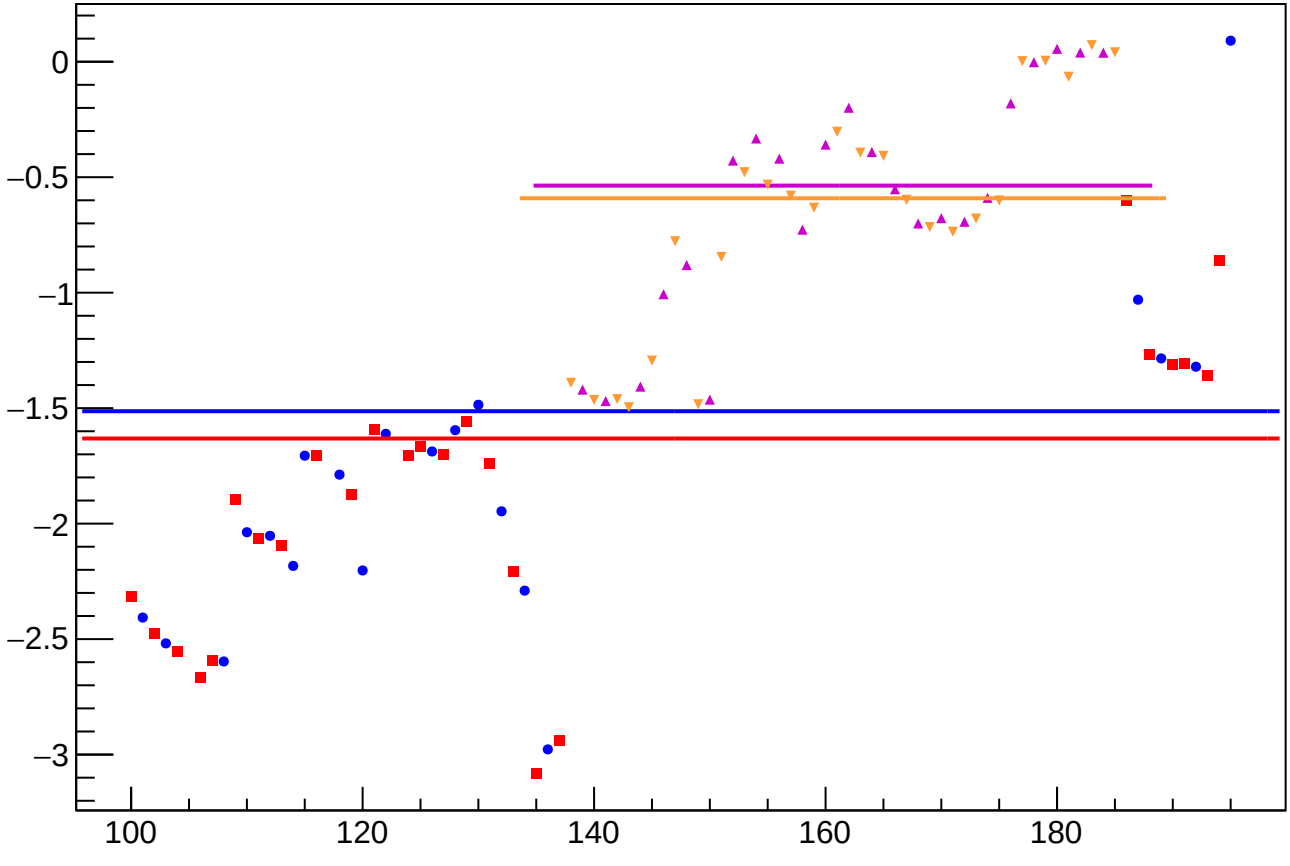
Right: 0.009+/-0.000 χ^2/NDF: 927703.9/44

In: 0.008+/-0.000 χ^2/NDF:1052961.6/42

Out: 0.008+/-0.000 χ^2/NDF:1101797.0/49

All: 0.008+/-0.000 χ^2/NDF: 2154848.2/92

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -1.513+/-0.000 χ^2/NDF: 160650184450.9/19

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.631+/-0.000 χ^2/NDF: 96425341183.4/24

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

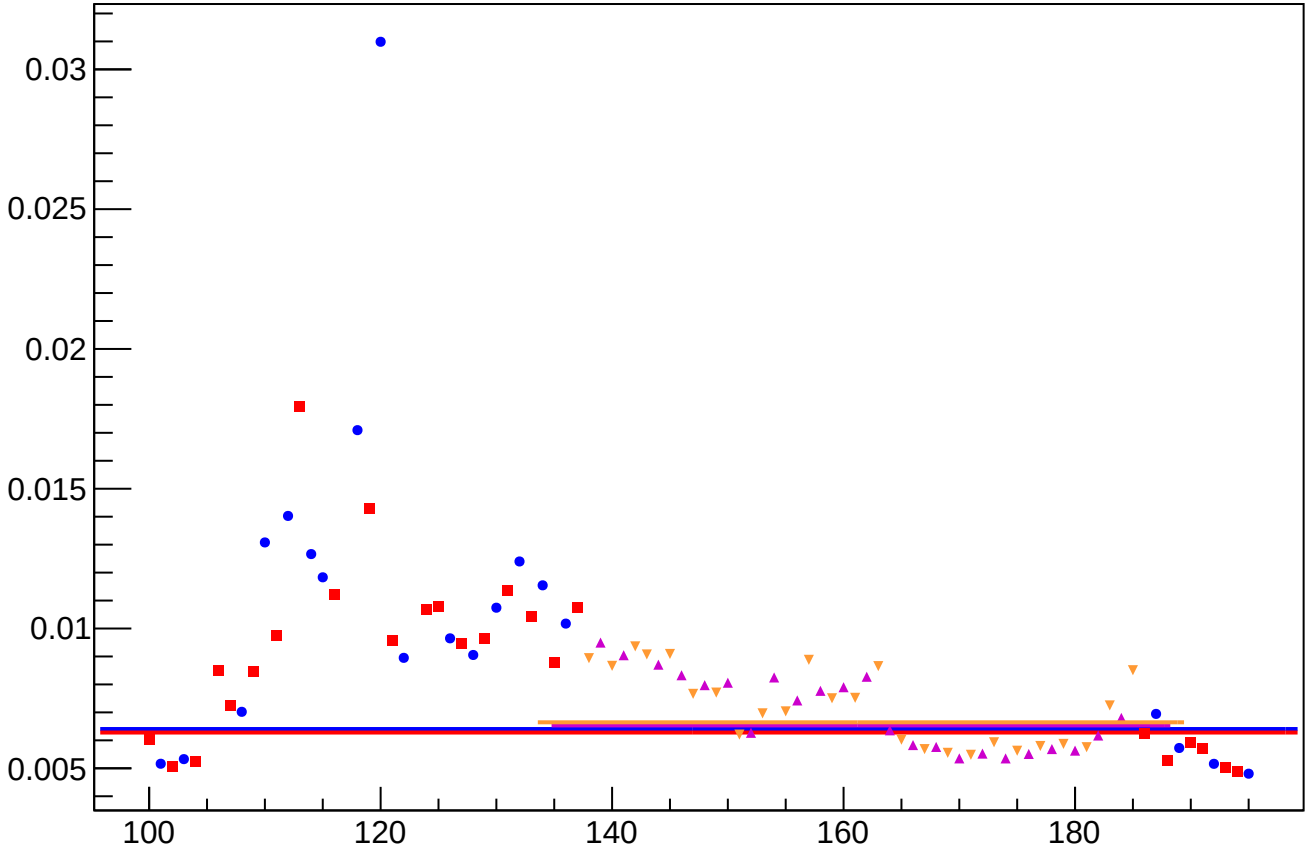
Right: -1.579+/-0.000 χ^2/NDF: 258430209494.1/44

In: -0.849+/-0.000 χ^2/NDF:344269925870.6/42

Out: -0.972+/-0.000 χ^2/NDF:319134842130.2/49

All: -0.913+/-0.000 χ^2/NDF: 667671140958.8

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2275315.5/19

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1971093.6/24

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

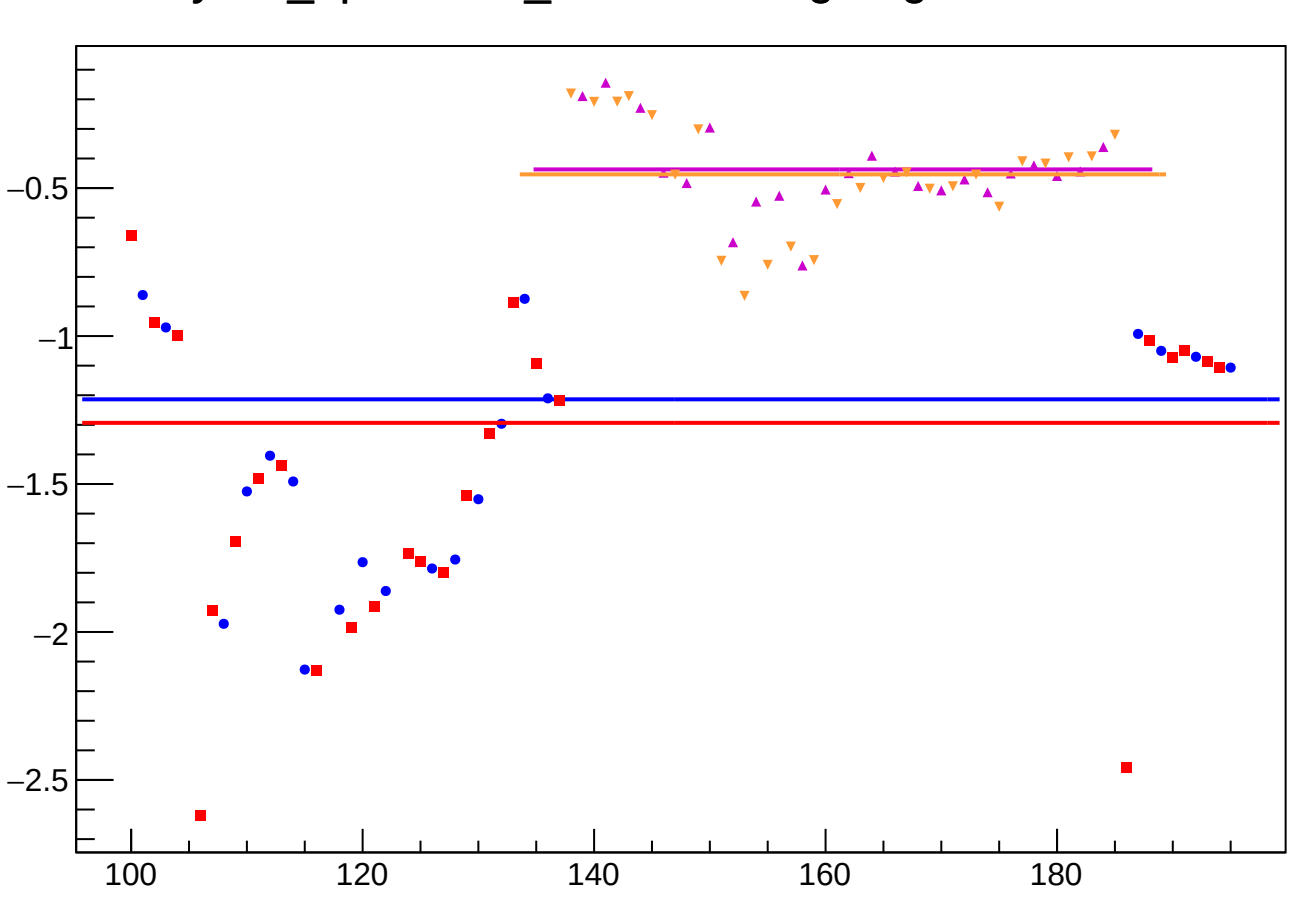
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4249469.1/44

In: 0.006+/-0.000 χ^2/NDF:3430456.8/42

Out: 0.007+/-0.000 χ^2/NDF:3100118.6/49

All: 0.007+/-0.000 χ^2/NDF: 6530764.7/92



Right In: -1.214+/-0.000 χ^2/NDF: 27020448232.7/19

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.293+/-0.000 χ^2/NDF: 70219239054.4/24

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

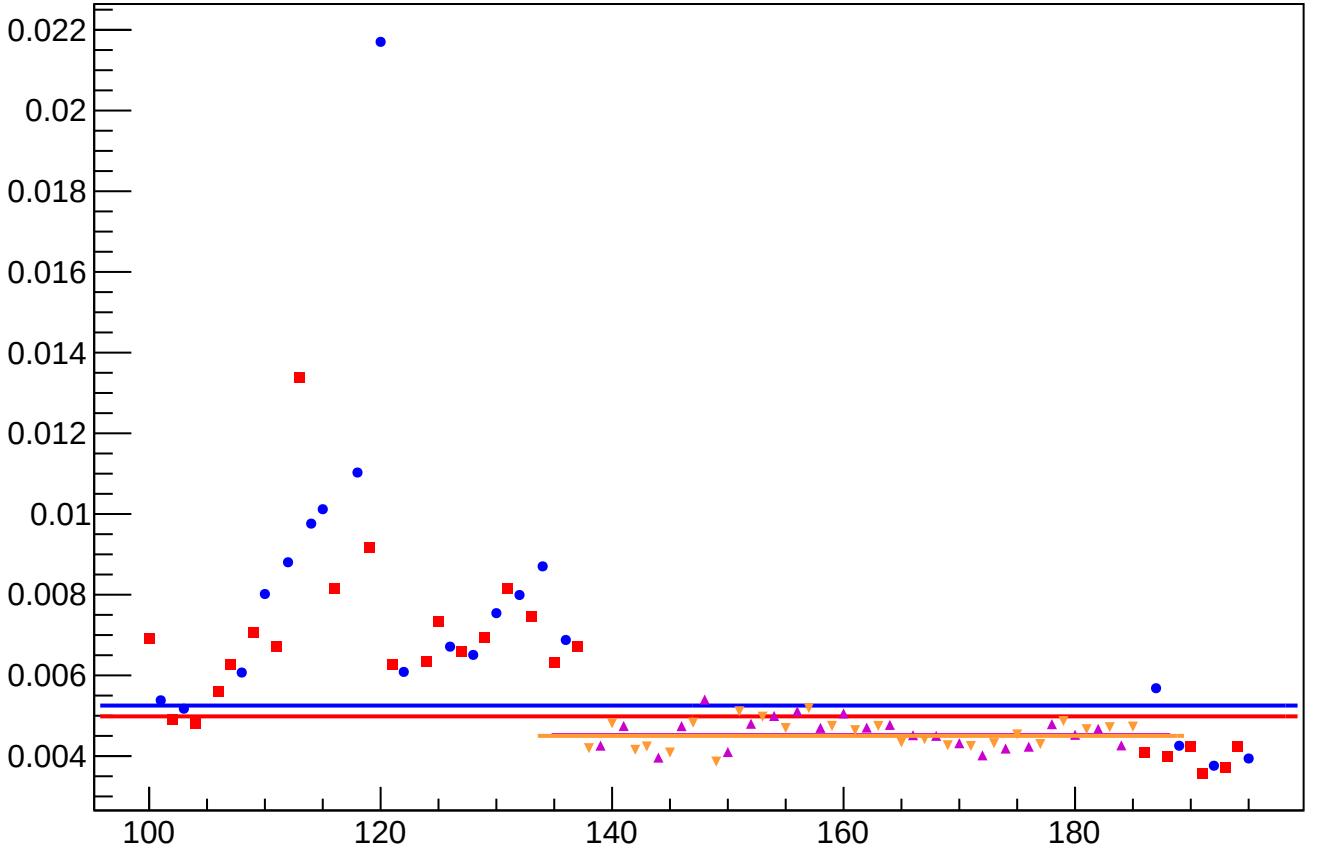
Right: -1.259+/-0.000 χ^2/NDF: 98217049891.2/44

In: -0.632+/-0.000 χ^2/NDF:167114747942.2/42

Out: -0.698+/-0.000 χ^2/NDF:277584114879.0/49

All: -0.667+/-0.000 χ^2/NDF: 447191290346.3

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1687945.0/19

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1531202.6/24

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

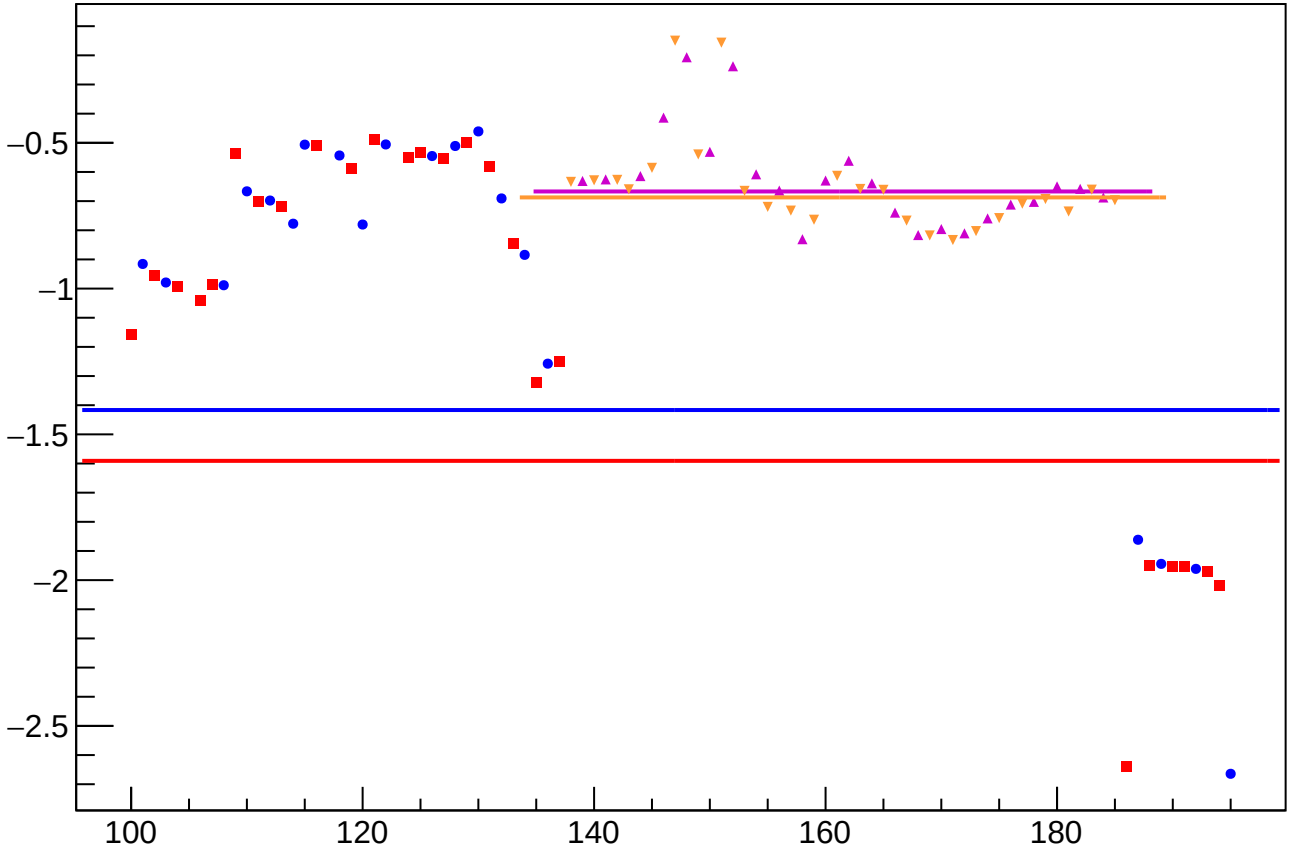
Right: 0.005+/-0.000 χ^2/NDF: 3241409.0/44

In: 0.005+/-0.000 χ^2/NDF:2119220.0/42

Out: 0.005+/-0.000 χ^2/NDF:1838458.7/49

All: 0.005+/-0.000 χ^2/NDF: 3962238.3/92

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.417+/-0.000 χ^2/NDF: 149009229502.4/19

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.591+/-0.000 χ^2/NDF: 222045620316.0/24

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

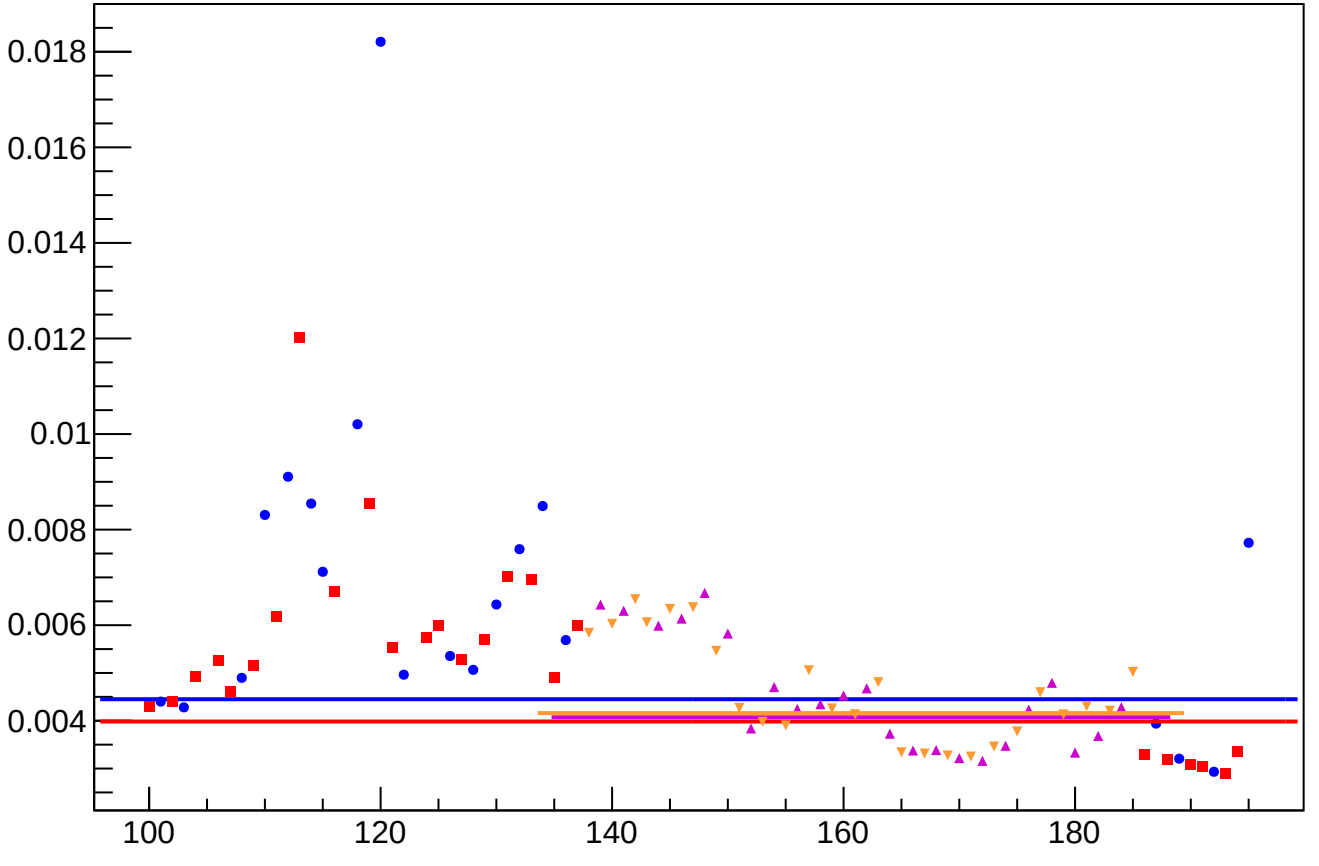
Right: -1.521+/-0.000 χ^2/NDF: 377794346134.6/44

In: -0.877+/-0.000 χ^2/NDF:321460761586.9/42

Out: -1.016+/-0.000 χ^2/NDF:531198727449.1/49

All: -0.951+/-0.000 χ^2/NDF: 866335977892.8

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 2322800.4/19

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1909182.3/24

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

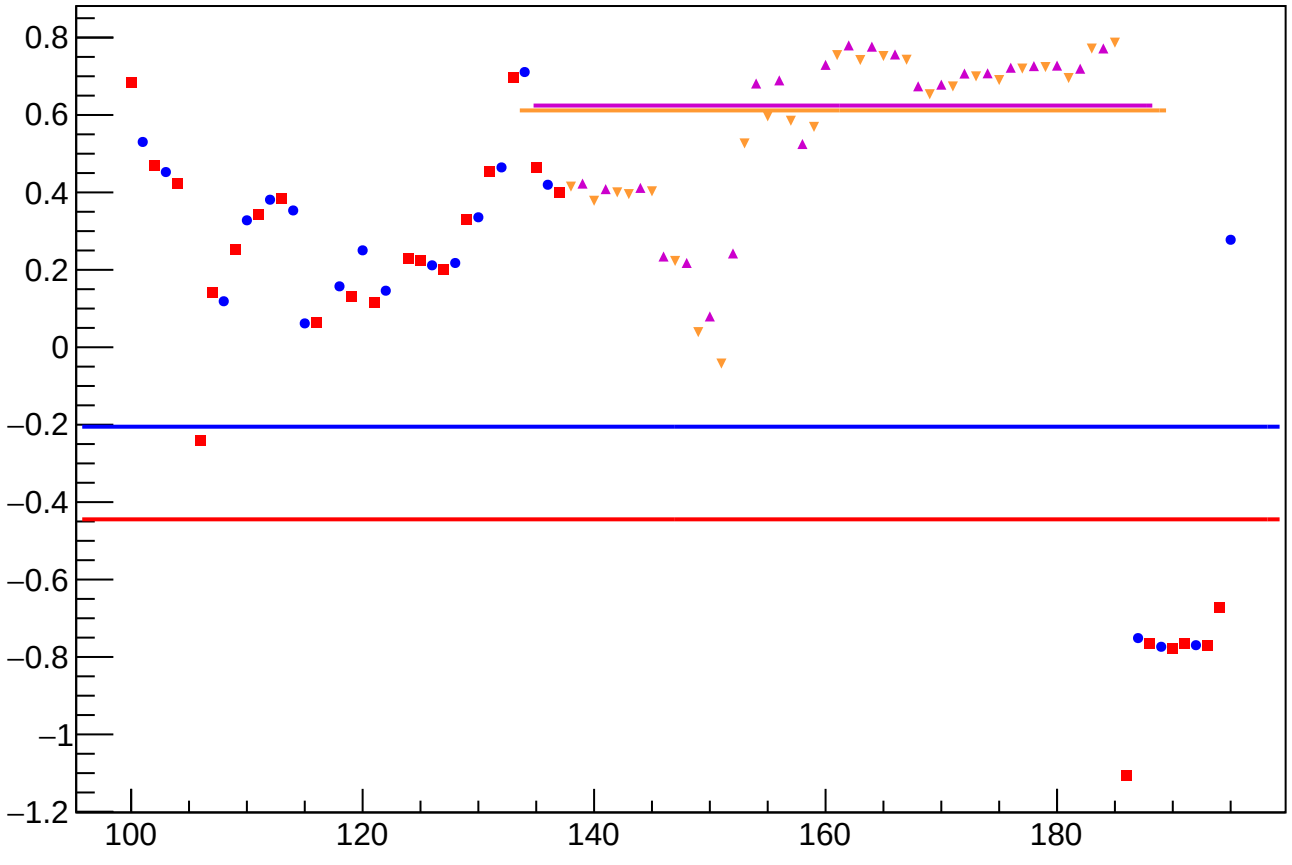
Right: 0.004+/-0.000 χ^2/NDF: 4328410.3/44

In: 0.004+/-0.000 χ^2/NDF:4149277.4/42

Out: 0.004+/-0.000 χ^2/NDF:3451037.0/49

All: 0.004+/-0.000 χ^2/NDF: 7609874.8/92

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 267107690248.1/19

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.444+/-0.000 χ^2/NDF: 380300426501.2/24

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

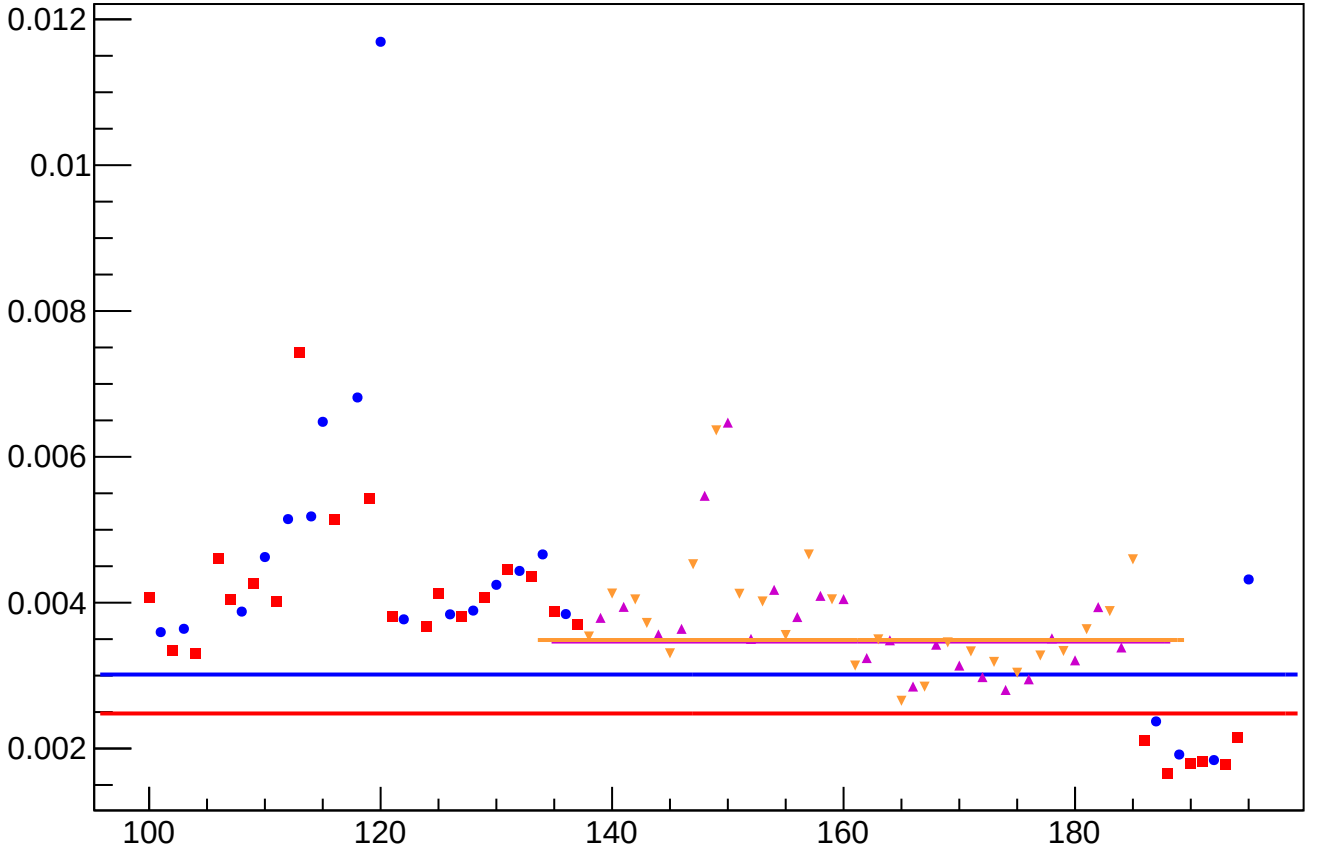
Right: -0.354+/-0.000 χ^2/NDF: 676662481897.8/44

In: 0.298+/-0.000 χ^2/NDF:650062204546.7/42

Out: 0.077+/-0.000 χ^2/NDF:1171449255415.2/49

All: 0.174+/-0.000 χ^2/NDF: 1879102097542.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2532585.8/19

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2963635.2/24

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

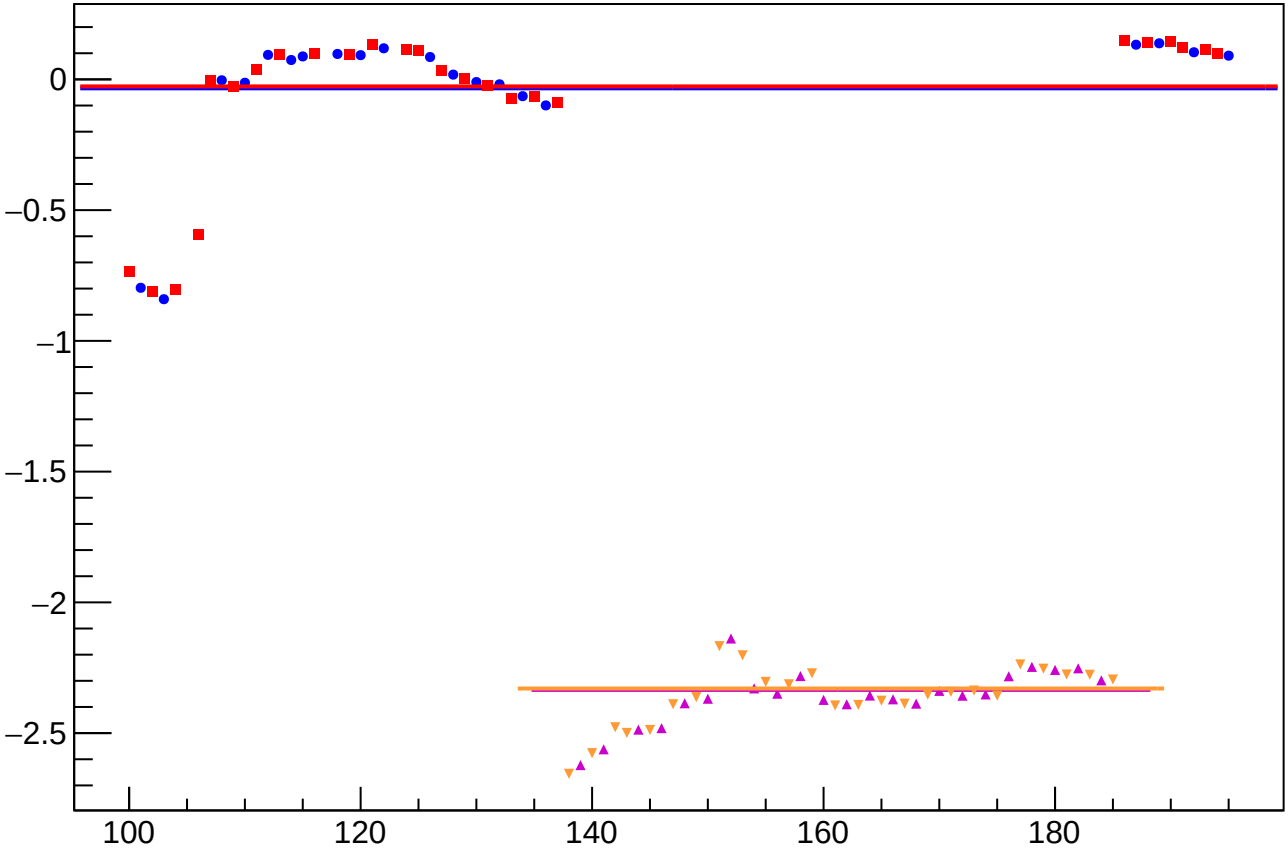
Right: 0.003+/-0.000 χ^2/NDF: 5787726.7/44

In: 0.003+/-0.000 χ^2/NDF:3630248.7/42

Out: 0.003+/-0.000 χ^2/NDF:5170560.7/49

All: 0.003+/-0.000 χ^2/NDF: 9028289.7/92

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.000 χ^2/NDF: 6232473927.9/19

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.027+/-0.000 χ^2/NDF: 7530481698.0/24

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

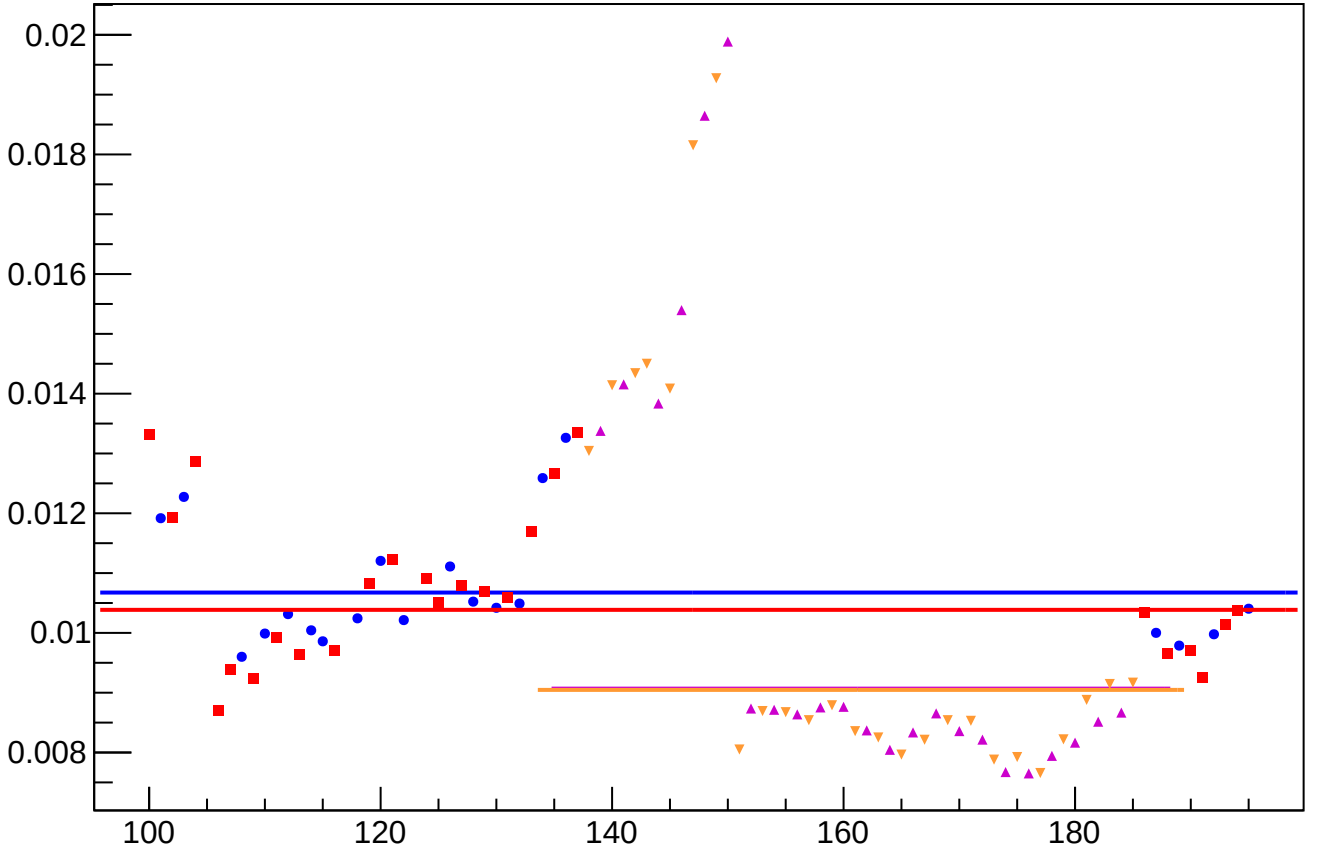
Right: -0.030+/-0.000 χ^2/NDF: 13765474615.6/44

In: -1.670+/-0.000 χ^2/NDF:326764936833.4/42

Out: -1.605+/-0.000 χ^2/NDF:379871605811.4/49

All: -1.636+/-0.000 χ^2/NDF: 707285910298.9

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 165134.4/19

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 220506.9/24

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

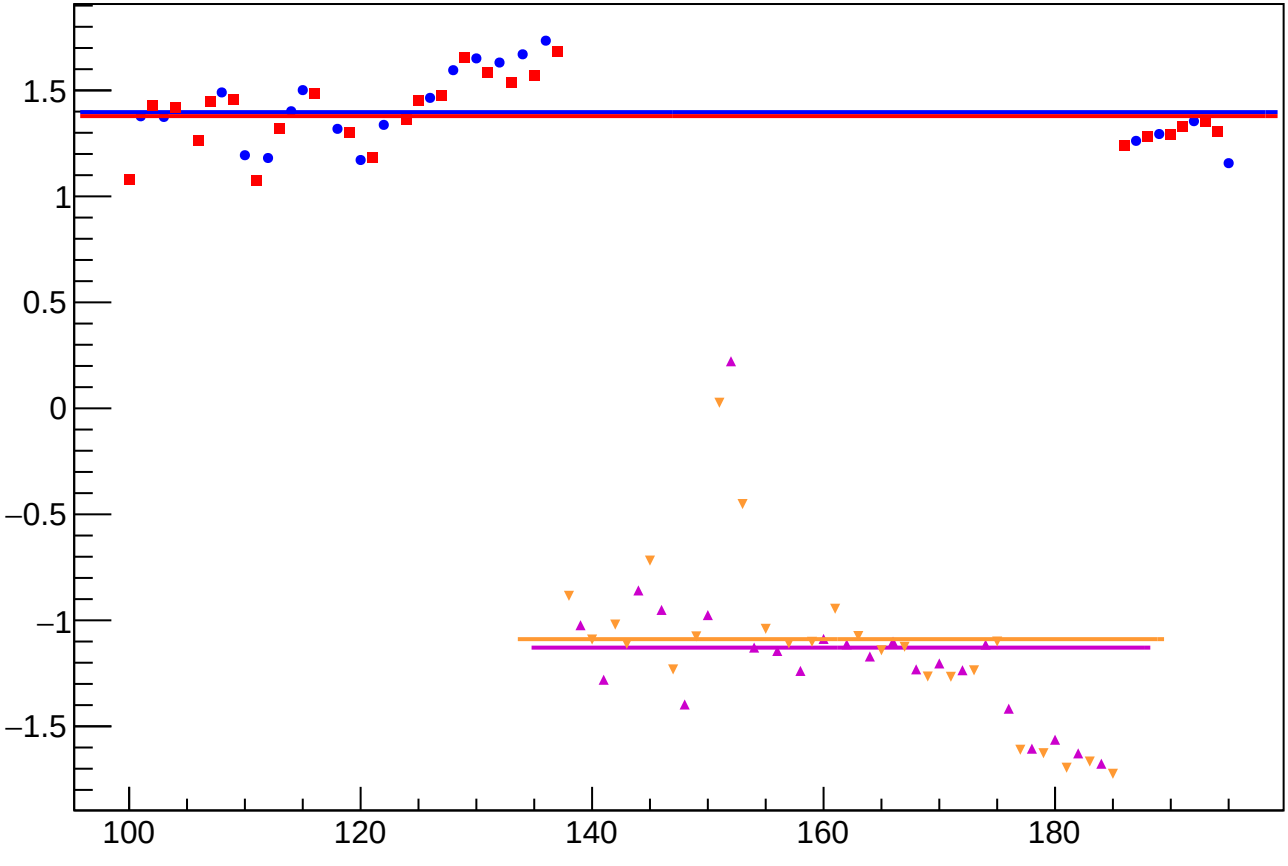
Right: 0.011+/-0.000 χ^2/NDF: 393373.9/44

In: 0.010+/-0.000 χ^2/NDF:2610316.0/42

Out: 0.009+/-0.000 χ^2/NDF:2519529.3/49

All: 0.009+/-0.000 χ^2/NDF: 5131114.4/92

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.397+/-0.000 χ^2/NDF: 5113344142.6/19

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.379+/-0.000 χ^2/NDF: 3449781854.1/24

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

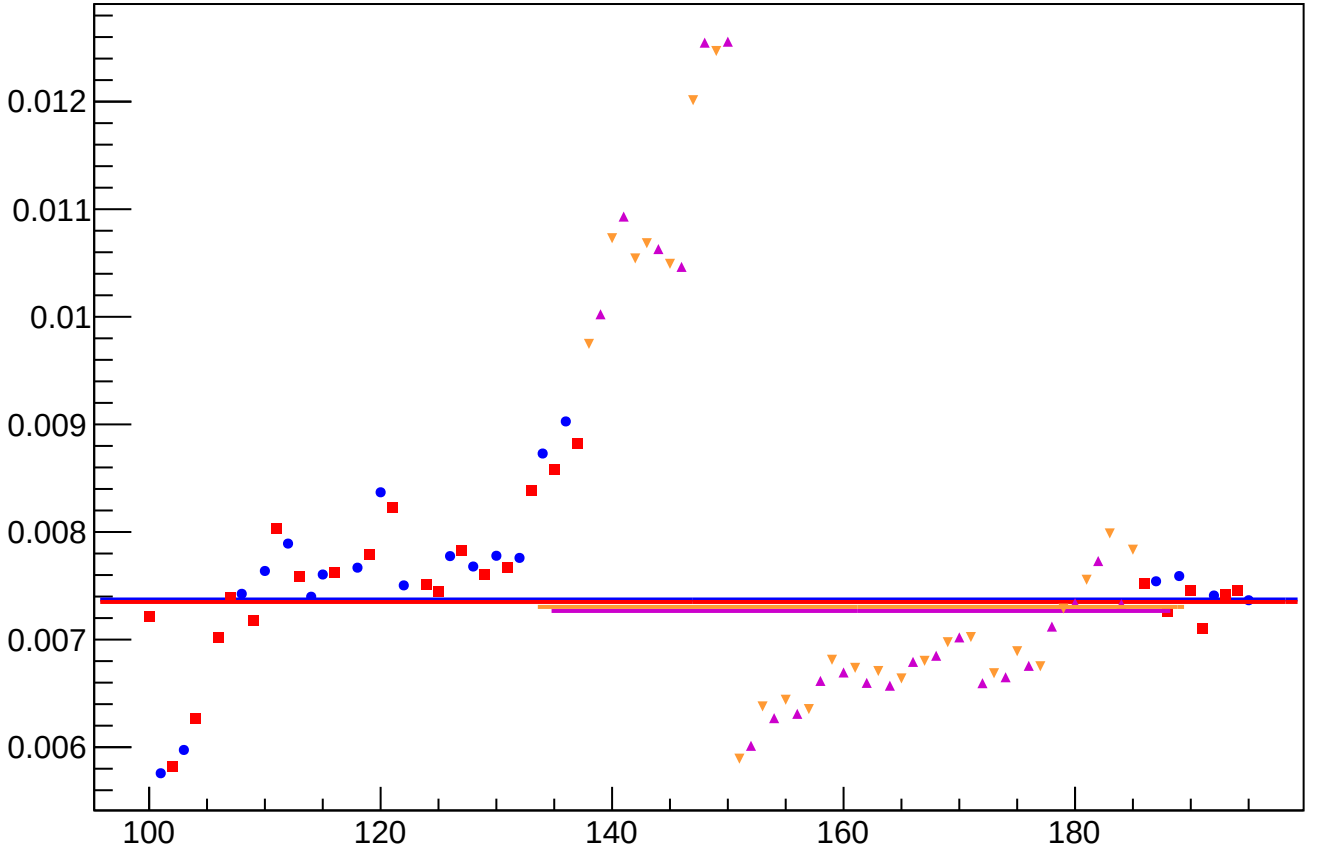
Right: 1.387+/-0.000 χ^2/NDF: 8596547292.6/44

In: -0.250+/-0.000 χ^2/NDF:798360311845.3/42

Out: -0.176+/-0.000 χ^2/NDF:845058055723.4/49

All: -0.211+/-0.000 χ^2/NDF: 1644880853667

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 272097.5/19

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 197406.8/24

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

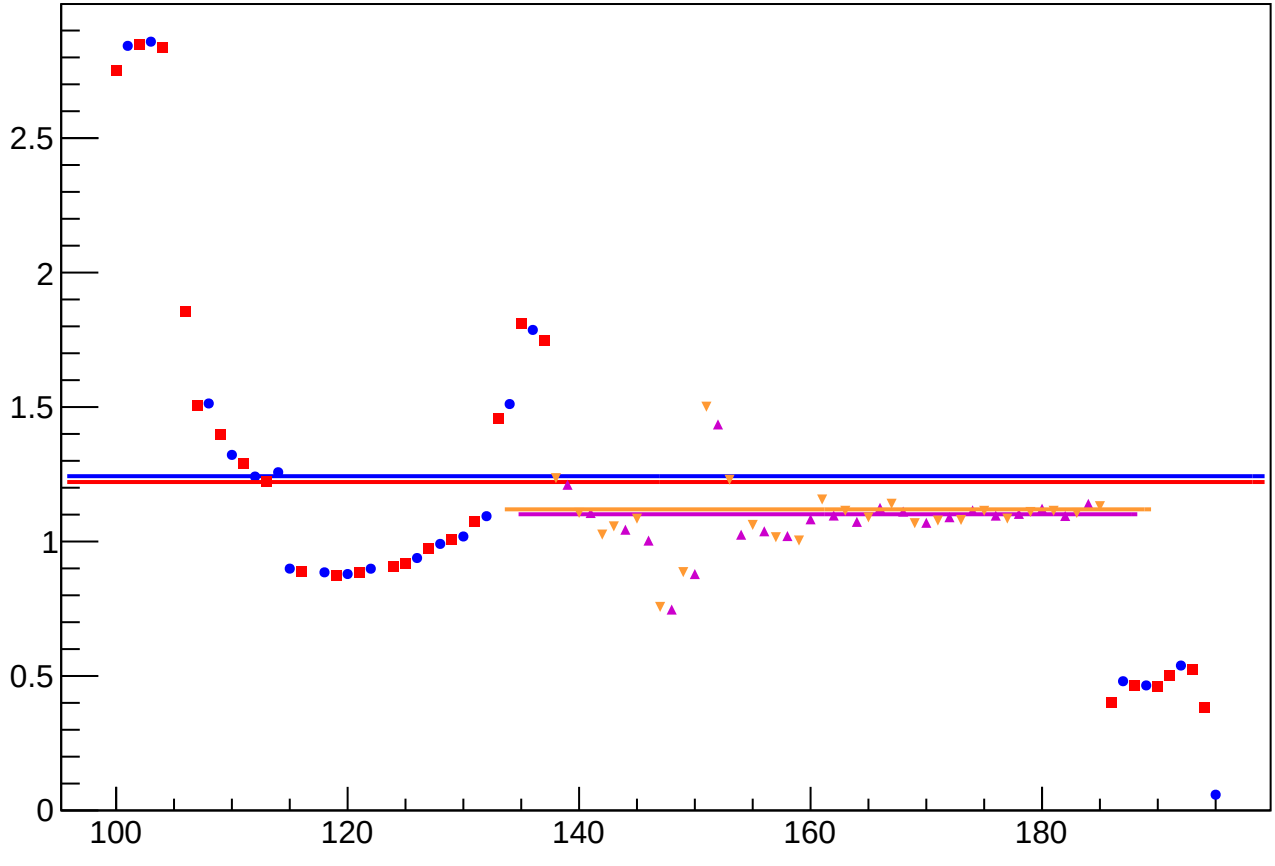
Right: 0.007+/-0.000 χ^2/NDF: 469602.8/44

In: 0.007+/-0.000 χ^2/NDF:1834792.4/42

Out: 0.007+/-0.000 χ^2/NDF:1702059.5/49

All: 0.007+/-0.000 χ^2/NDF: 3537011.6/92

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.243+/-0.000 χ^2/NDF: 82698629165.8/19

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.221+/-0.000 χ^2/NDF: 81637497347.3/24

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

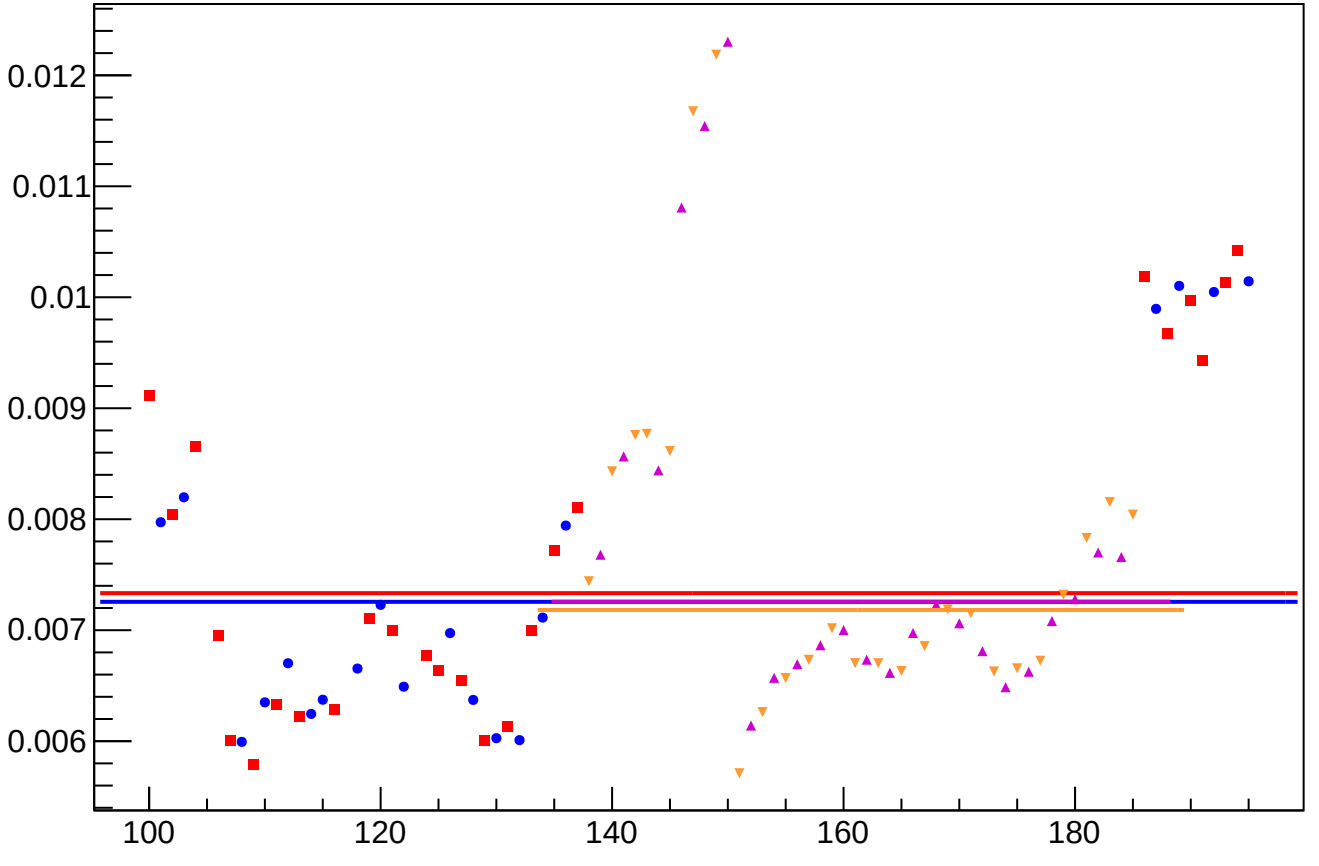
Right: 1.231+/-0.000 χ^2/NDF: 164380644589.4/44

In: 1.151+/-0.000 χ^2/NDF:89233012890.8/42

Out: 1.156+/-0.000 χ^2/NDF:88467969731.0/49

All: 1.153+/-0.000 χ^2/NDF: 177707628956.2

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 631084.7/19

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 840728.2/24

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

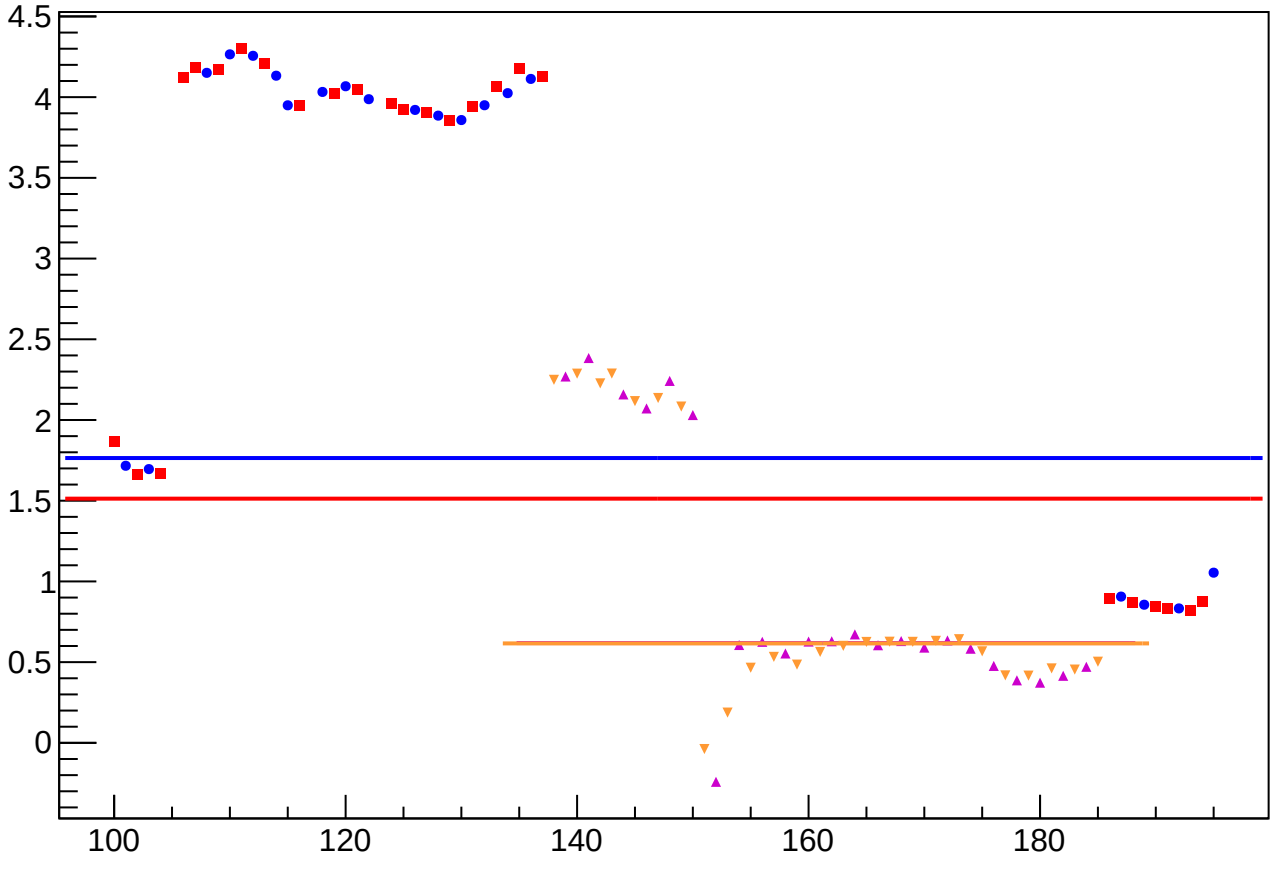
Right: 0.007+/-0.000 χ^2/NDF: 1472964.5/44

In: 0.007+/-0.000 χ^2/NDF:1547781.5/42

Out: 0.007+/-0.000 χ^2/NDF:1740393.7/49

All: 0.007+/-0.000 χ^2/NDF: 3288384.3/92

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.764+/-0.000 χ^2/NDF: 1334248640105.0/19

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.513+/-0.000 χ^2/NDF: 1627678553792.7/24

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

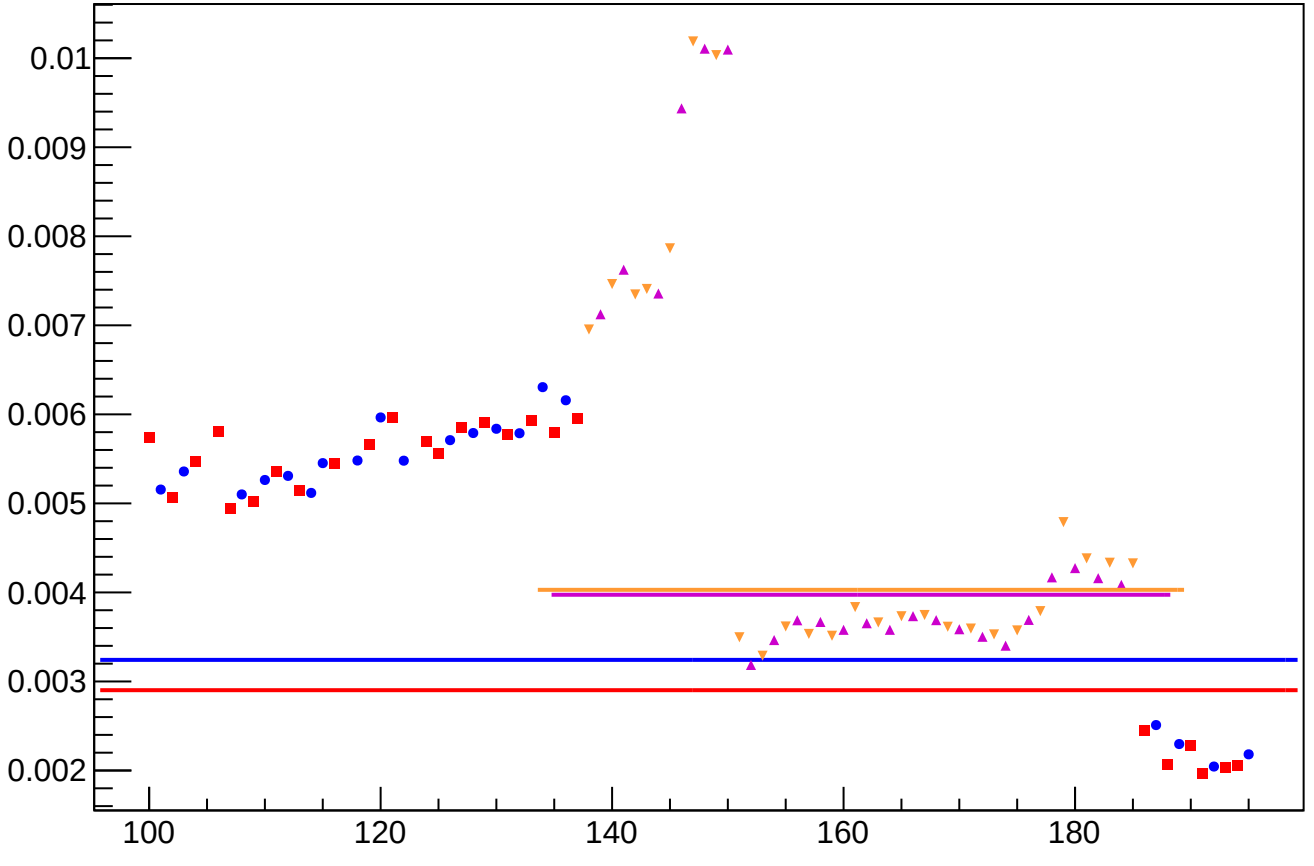
Right: 1.618+/-0.000 χ^2/NDF: 2988769631013.1/44

In: 1.093+/-0.000 χ^2/NDF:2147847104393.5/42

Out: 1.056+/-0.000 χ^2/NDF:2296236889305.3/49

All: 1.073+/-0.000 χ^2/NDF: 4445427110231.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3746905.6/19

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4362871.5/24

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

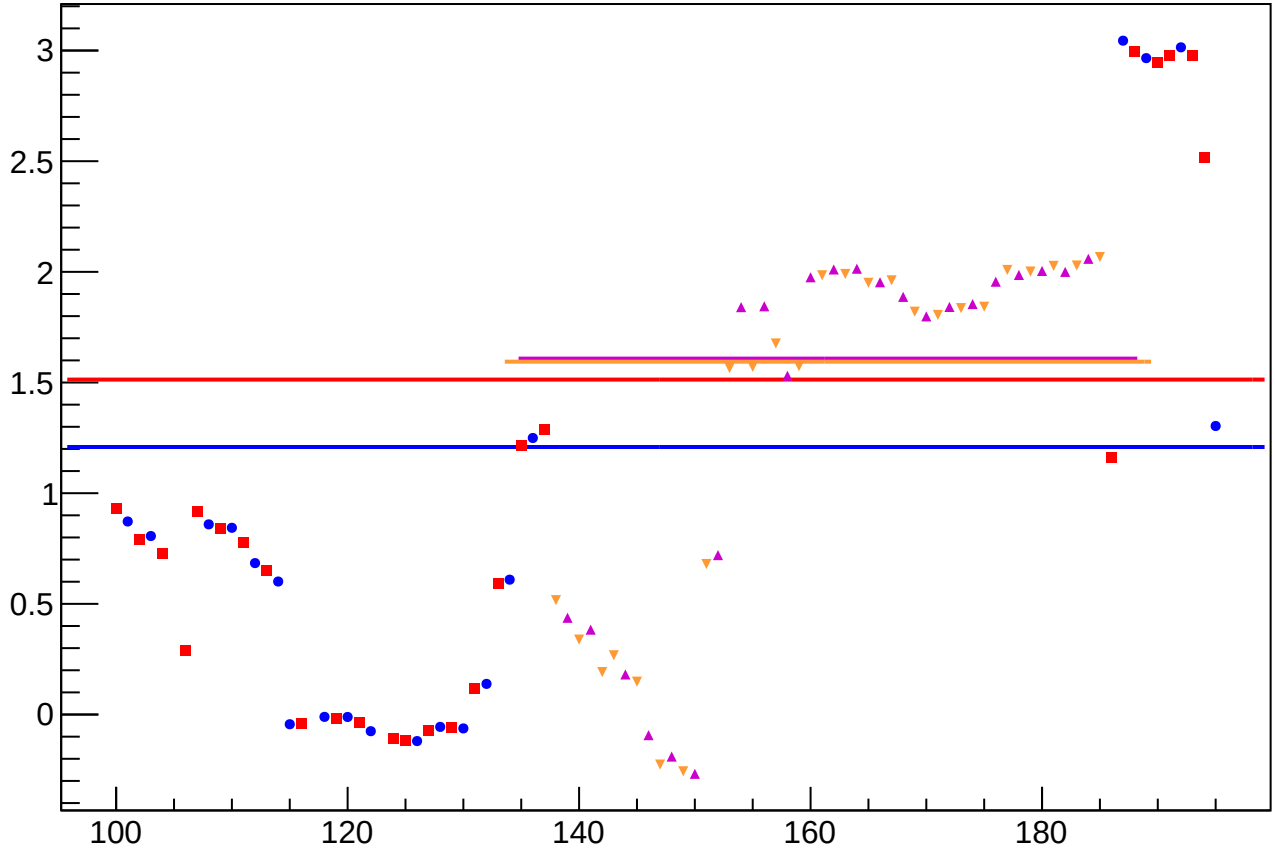
Right: 0.003+/-0.000 χ^2/NDF: 8208038.4/44

In: 0.004+/-0.000 χ^2/NDF:7324502.4/42

Out: 0.003+/-0.000 χ^2/NDF:8644496.9/49

All: 0.004+/-0.000 χ^2/NDF: 16040693.5/92

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.209+/-0.000 χ^2/NDF: 77455155002.7/19

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.513+/-0.000 χ^2/NDF: 102477362193.3/24

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

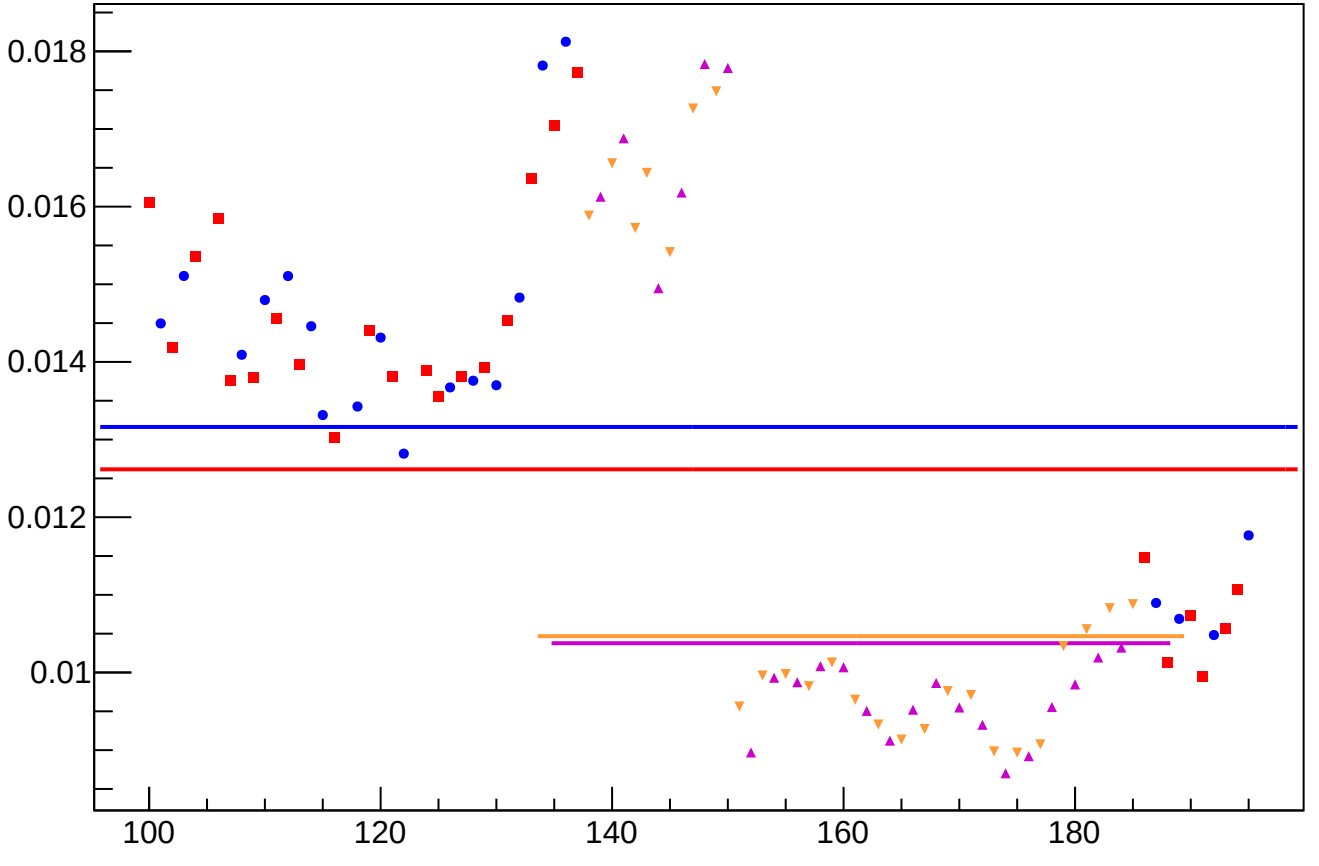
Right: 1.376+/-0.000 χ^2/NDF: 182719030010.7/44

In: 1.507+/-0.000 χ^2/NDF:150349872496.2/42

Out: 1.571+/-0.000 χ^2/NDF:165421442600.1/49

All: 1.540+/-0.000 χ^2/NDF: 316233885963.5

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 485848.1/19

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 587672.1/24

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

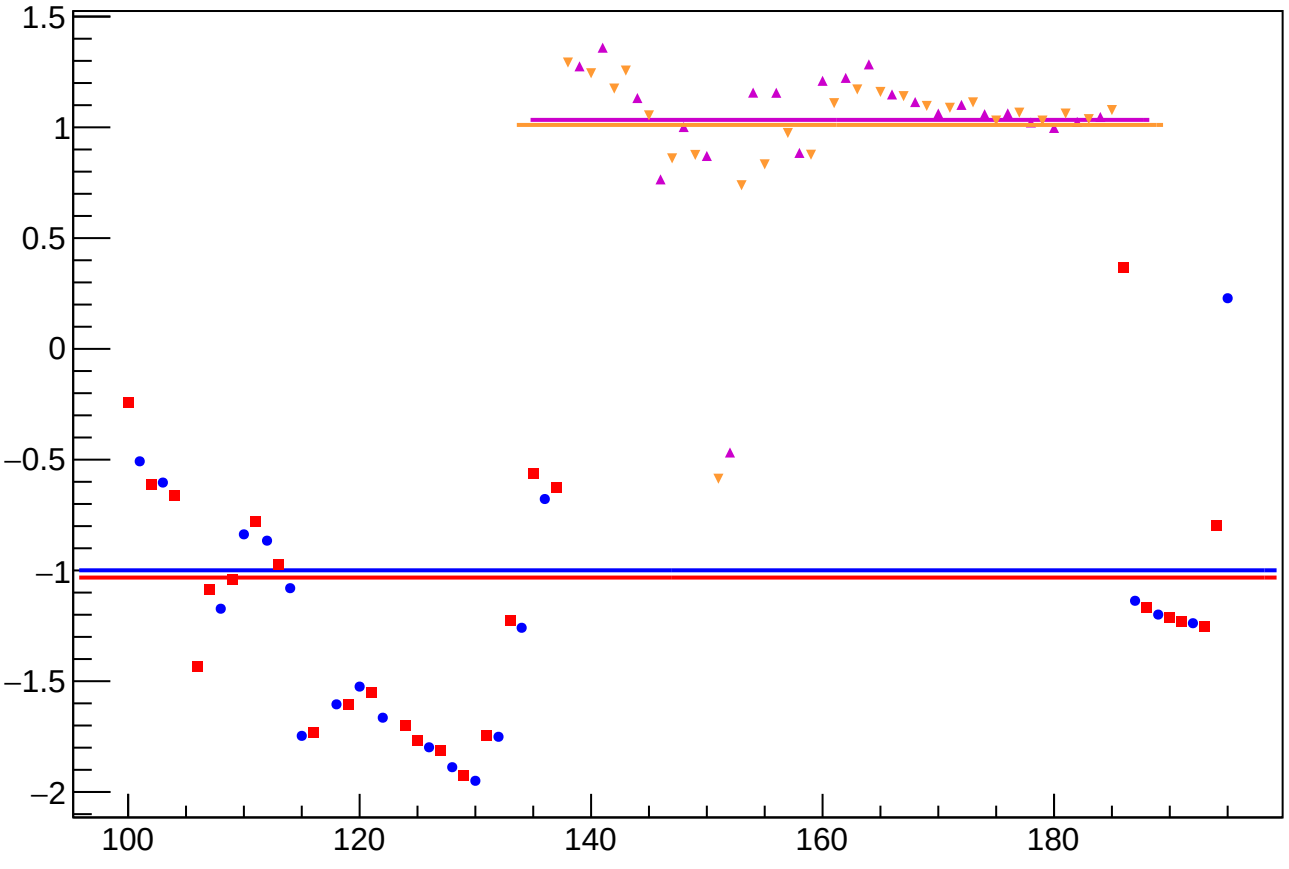
Right: 0.013+/-0.000 χ^2/NDF: 1091391.7/44

In: 0.011+/-0.000 χ^2/NDF:2827960.3/42

Out: 0.011+/-0.000 χ^2/NDF:2689650.5/49

All: 0.011+/-0.000 χ^2/NDF: 5517610.9/92

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.999+/-0.000 χ^2/NDF: 93298392113.4/19

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.032+/-0.000 χ^2/NDF: 69374674305.9/24

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

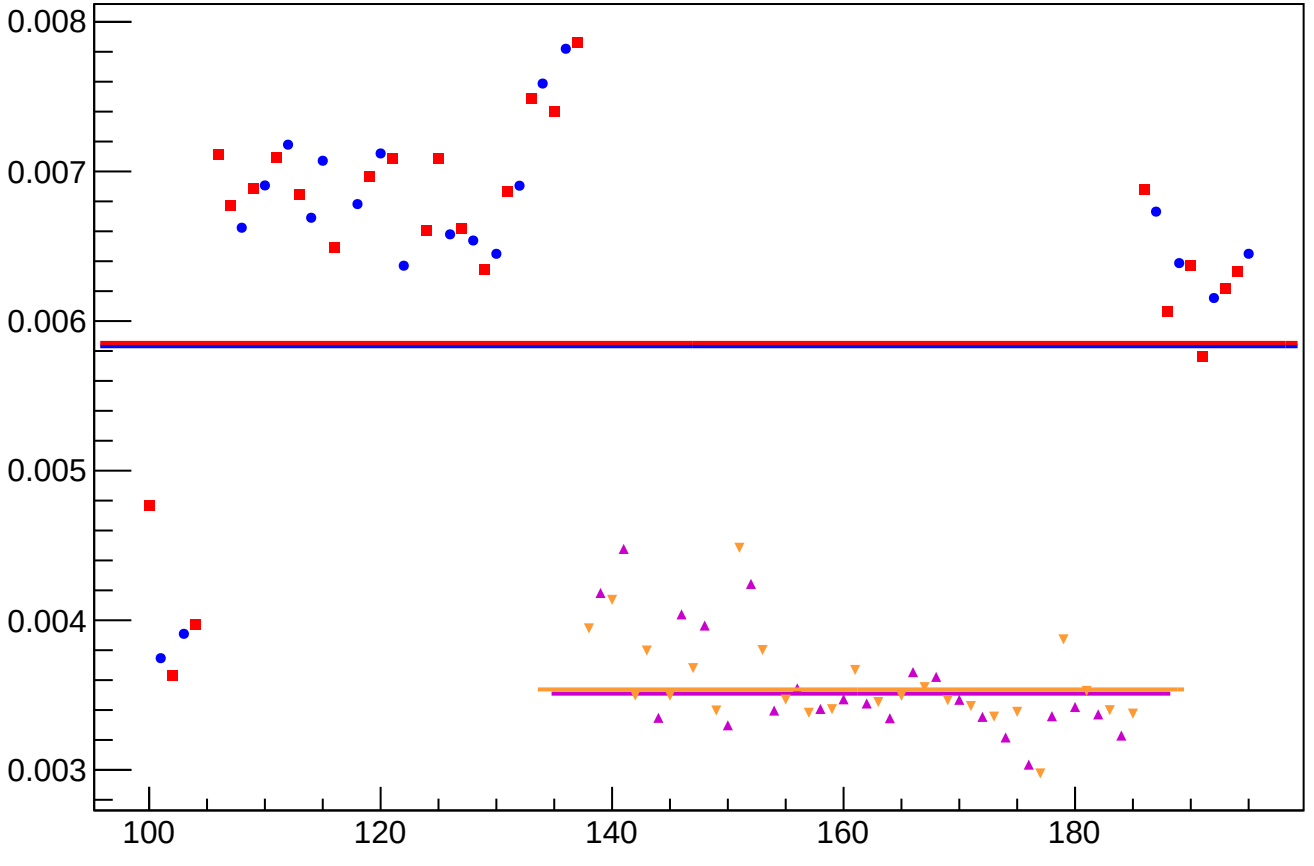
Right: -1.017+/-0.000 χ^2/NDF: 162819684341.9/44

In: 0.706+/-0.000 χ^2/NDF:1115322666059.3/42

Out: 0.661+/-0.000 χ^2/NDF:1185287053174.9/49

All: 0.683+/-0.000 χ^2/NDF: 2302274909590.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 988898.8/19

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1031623.2/24

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

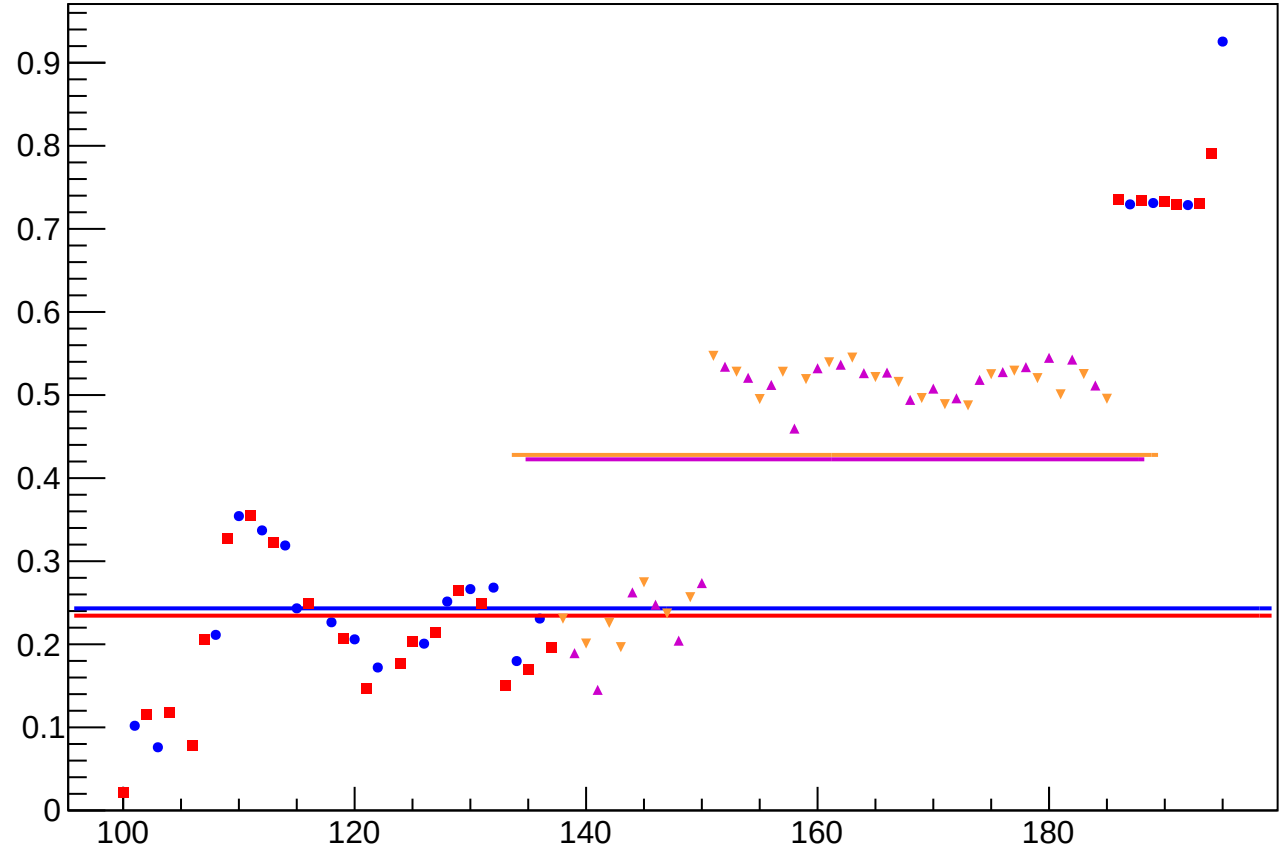
Right: 0.006+/-0.000 χ^2/NDF: 2020661.3/44

In: 0.004+/-0.000 χ^2/NDF:3613428.6/42

Out: 0.004+/-0.000 χ^2/NDF:3830514.5/49

All: 0.004+/-0.000 χ^2/NDF: 7448186.4/92

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.243+/-0.000 χ^2/NDF: 65758091533.1/19

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.234+/-0.000 χ^2/NDF: 84034275051.6/24

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

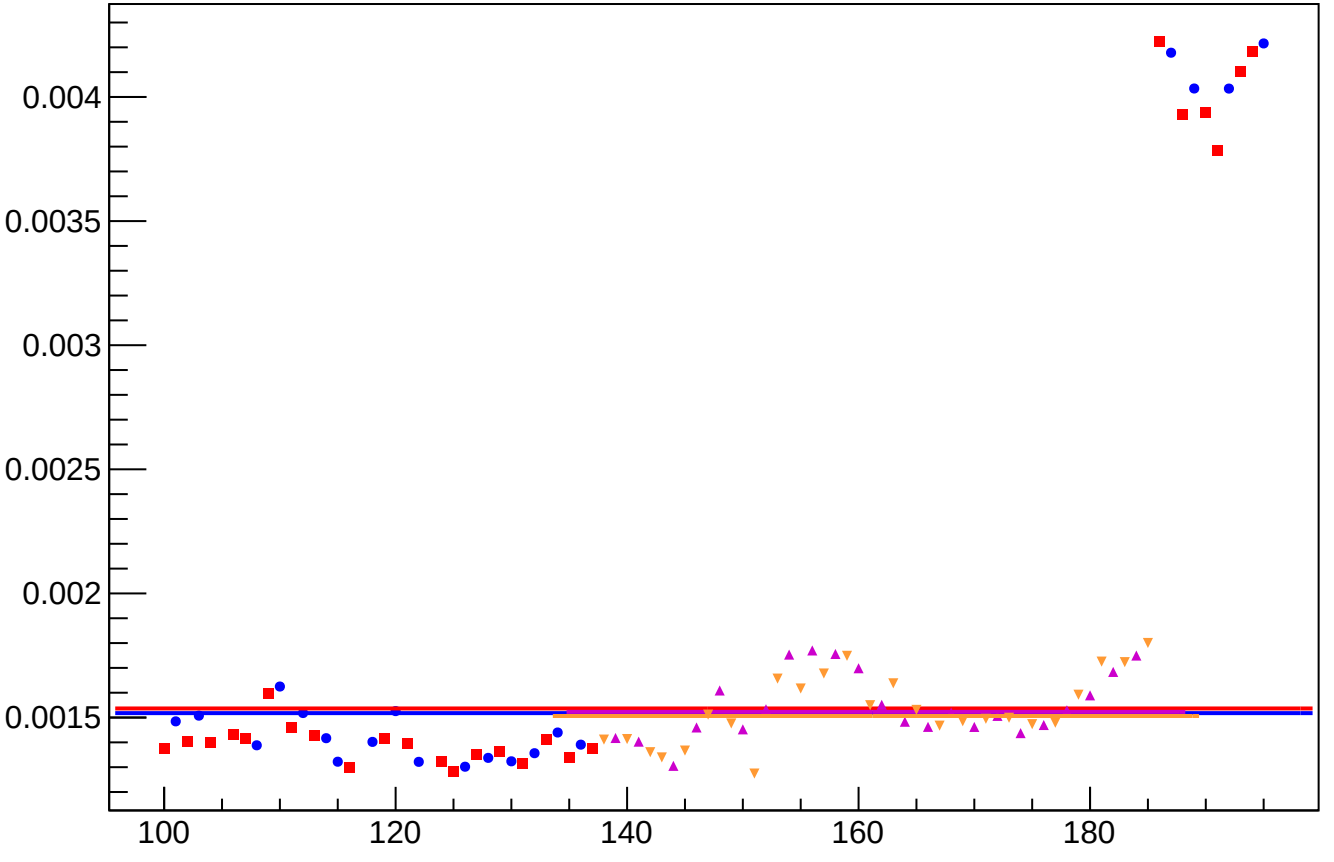
Right: 0.239+/-0.000 χ^2/NDF: 149940118443.8/44

In: 0.365+/-0.000 χ^2/NDF:303876760646.5/42

Out: 0.365+/-0.000 χ^2/NDF:339536246994.5/49

All: 0.365+/-0.000 χ^2/NDF: 643413380559.4

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2162411.2/19

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2993882.2/24

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

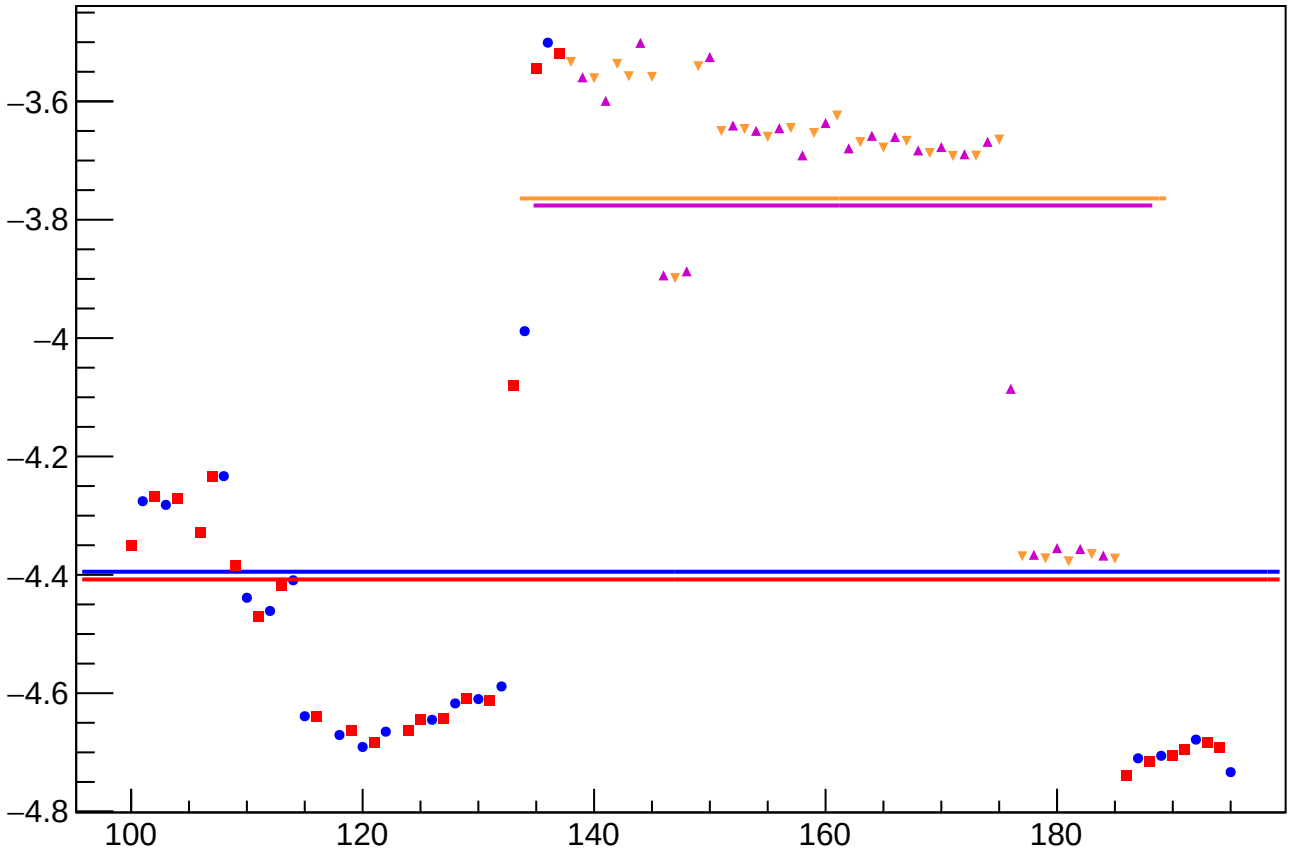
Right: 0.002+/-0.000 χ^2/NDF: 5157640.9/44

In: 0.002+/-0.000 χ^2/NDF:2397220.3/42

Out: 0.002+/-0.000 χ^2/NDF:3277775.3/49

All: 0.002+/-0.000 χ^2/NDF: 5675319.1/92

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.395+/-0.000 χ^2/NDF: 378332932603.2/19

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.408+/-0.000 χ^2/NDF: 330845757255.8/24

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

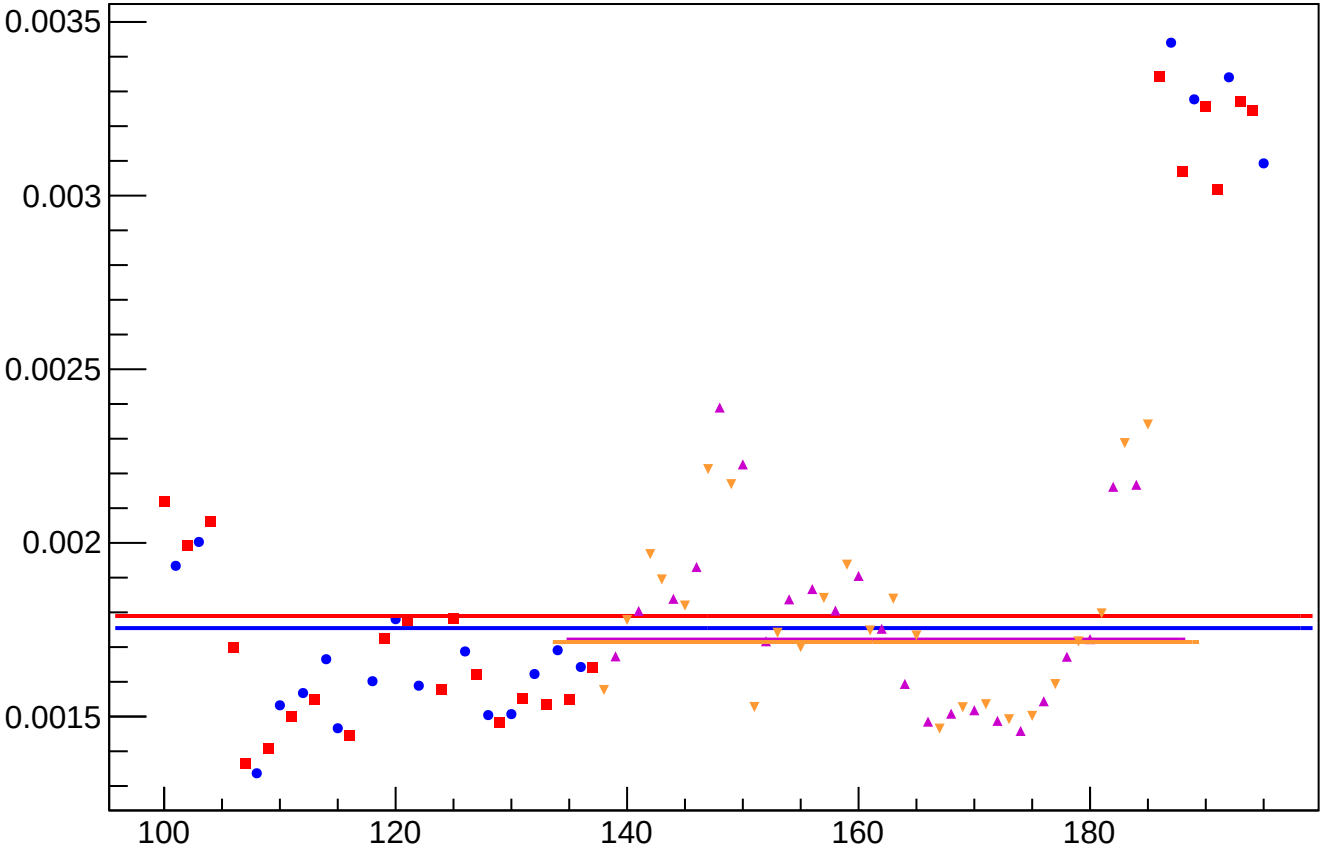
Right: -4.402+/-0.000 χ^2/NDF: 709430102936.5/44

In: -3.977+/-0.000 χ^2/NDF:1518985912787.7/42

Out: -3.976+/-0.000 χ^2/NDF:1675666134224.6/49

All: -3.977+/-0.000 χ^2/NDF: 3194656617546

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1287188.8/19

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 1758611.1/24

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

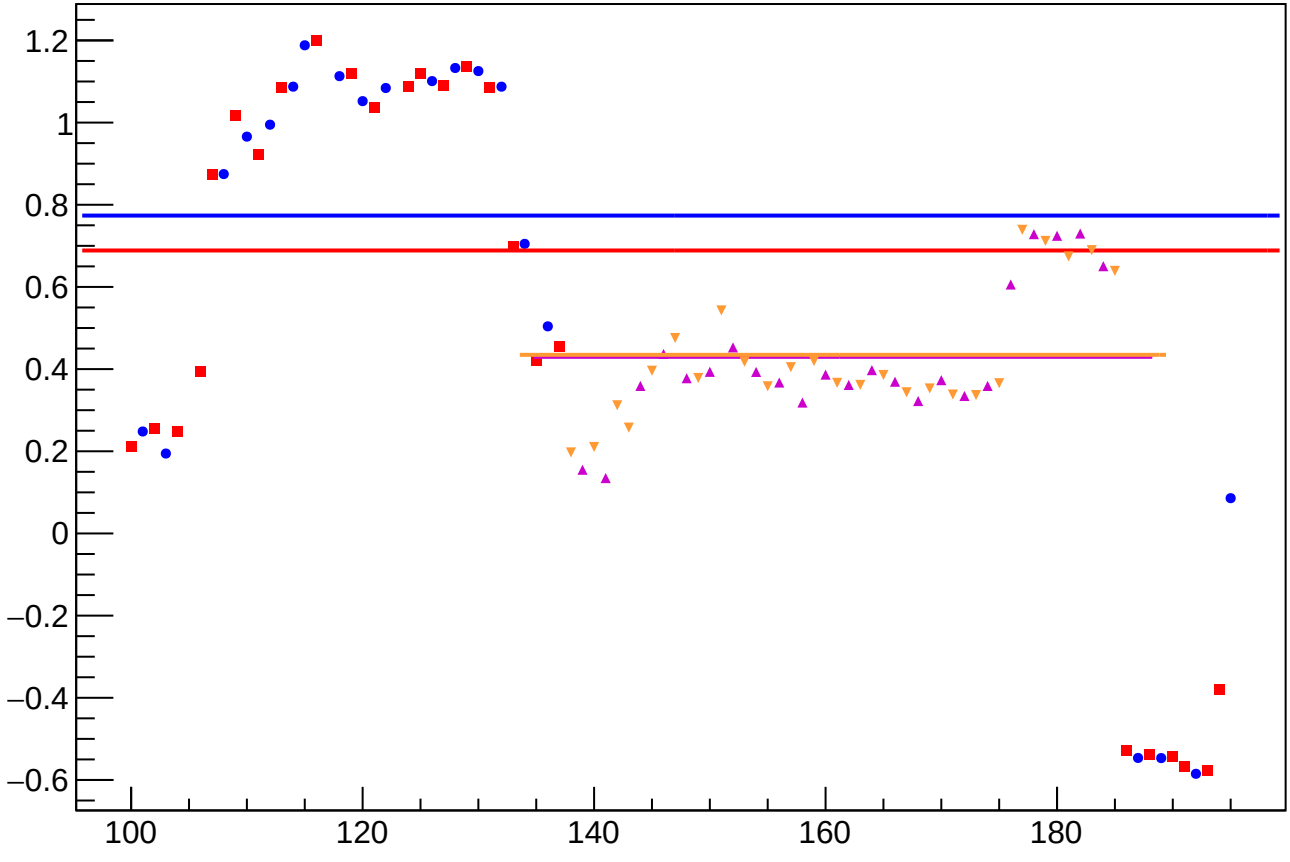
Right: 0.002+/-0.000 χ^2/NDF: 3049405.7/44

In: 0.002+/-0.000 χ^2/NDF:1873283.0/42

Out: 0.002+/-0.000 χ^2/NDF:2344296.4/49

All: 0.002+/-0.000 χ^2/NDF: 4218011.7/92

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.774+/-0.000 χ^2/NDF: 49692863310.6/19

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.689+/-0.000 χ^2/NDF: 73869003148.9/24

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

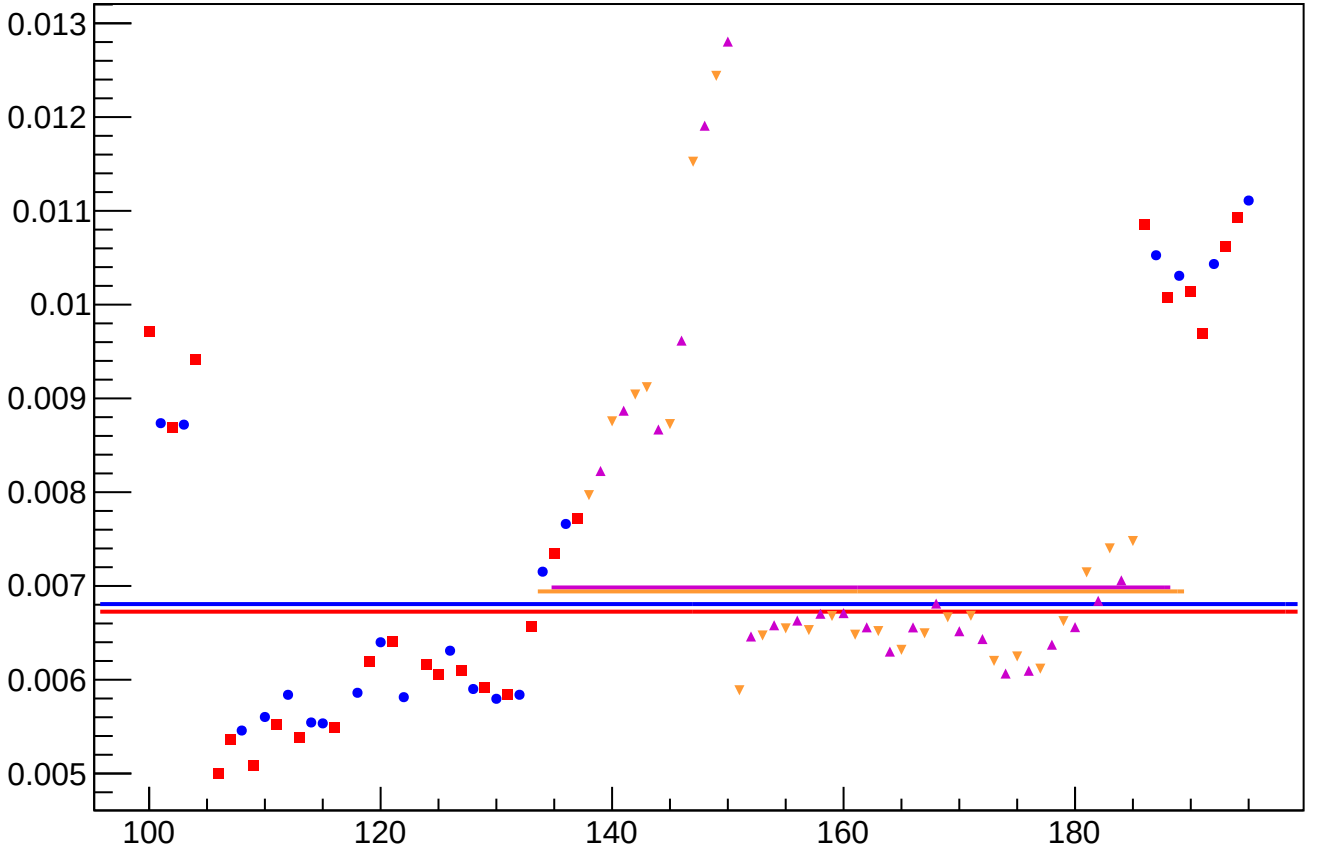
Right: 0.728+/-0.000 χ^2/NDF: 124328588682.4/44

In: 0.552+/-0.000 χ^2/NDF:73882035142.6/42

Out: 0.529+/-0.000 χ^2/NDF:91663821564.8/49

All: 0.540+/-0.000 χ^2/NDF: 165695941077.6

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1083692.2/19

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1522036.5/24

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

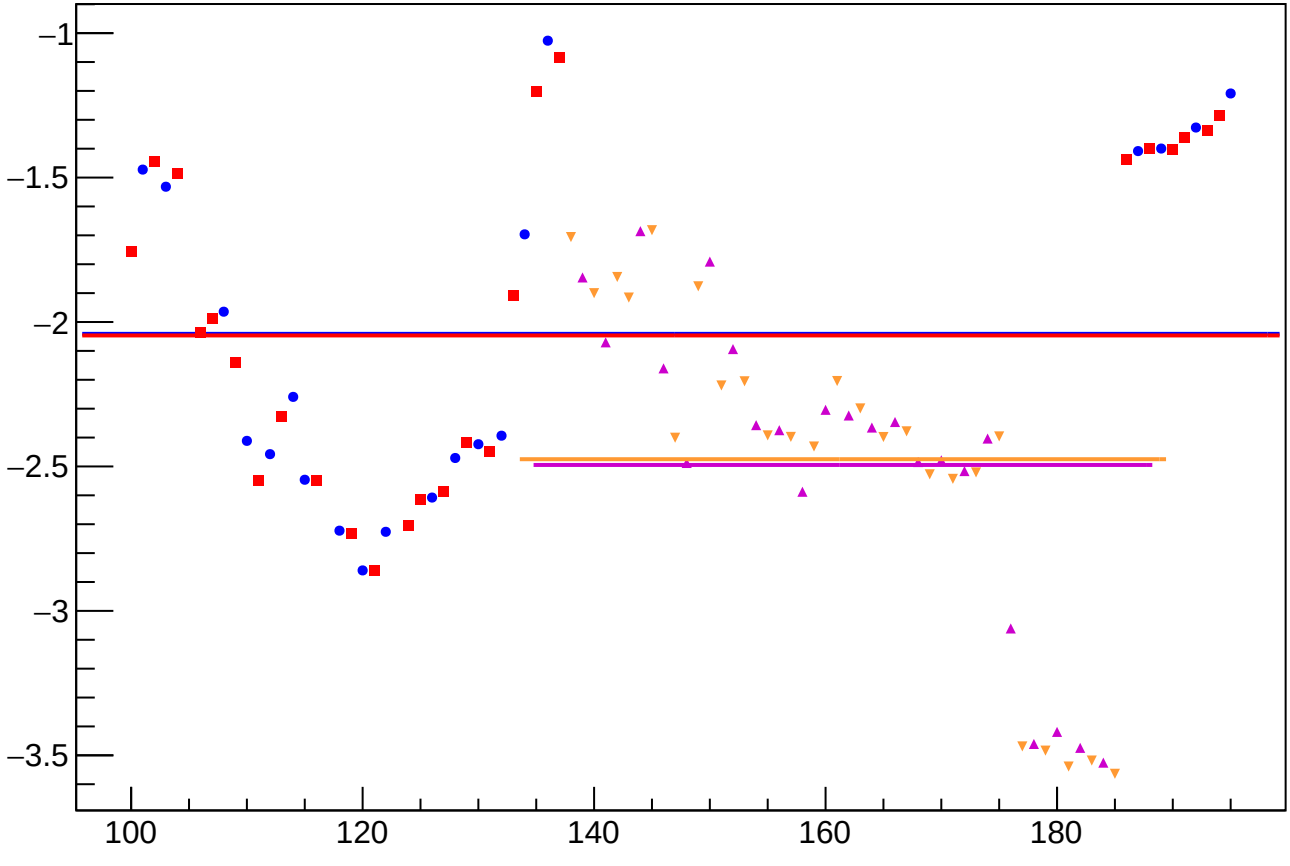
Right: 0.007+/-0.000 χ^2/NDF: 2607121.6/44

In: 0.007+/-0.000 χ^2/NDF:2228260.1/42

Out: 0.007+/-0.000 χ^2/NDF:2626376.6/49

All: 0.007+/-0.000 χ^2/NDF: 4856716.0/92

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.041+/-0.000 χ^2/NDF: 82741040036.8/19

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.046+/-0.000 χ^2/NDF: 79585887355.6/24

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

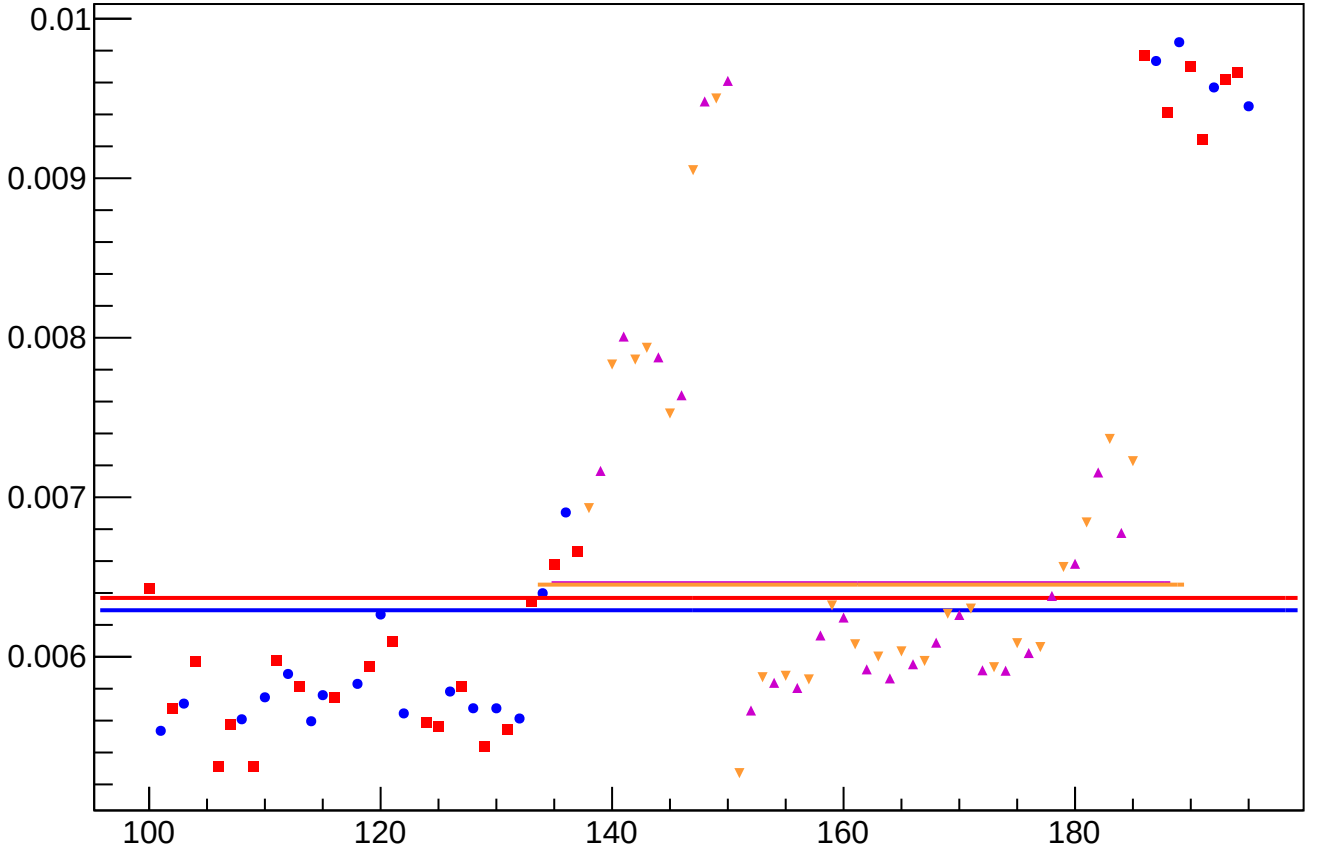
Right: -2.044+/-0.000 χ^2/NDF: 162330630476.3/44

In: -2.333+/-0.000 χ^2/NDF:210976512771.5/42

Out: -2.318+/-0.000 χ^2/NDF:233018821440.3/49

All: -2.326+/-0.000 χ^2/NDF: 444070981897.3

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 743930.7/19

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1014537.9/24

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

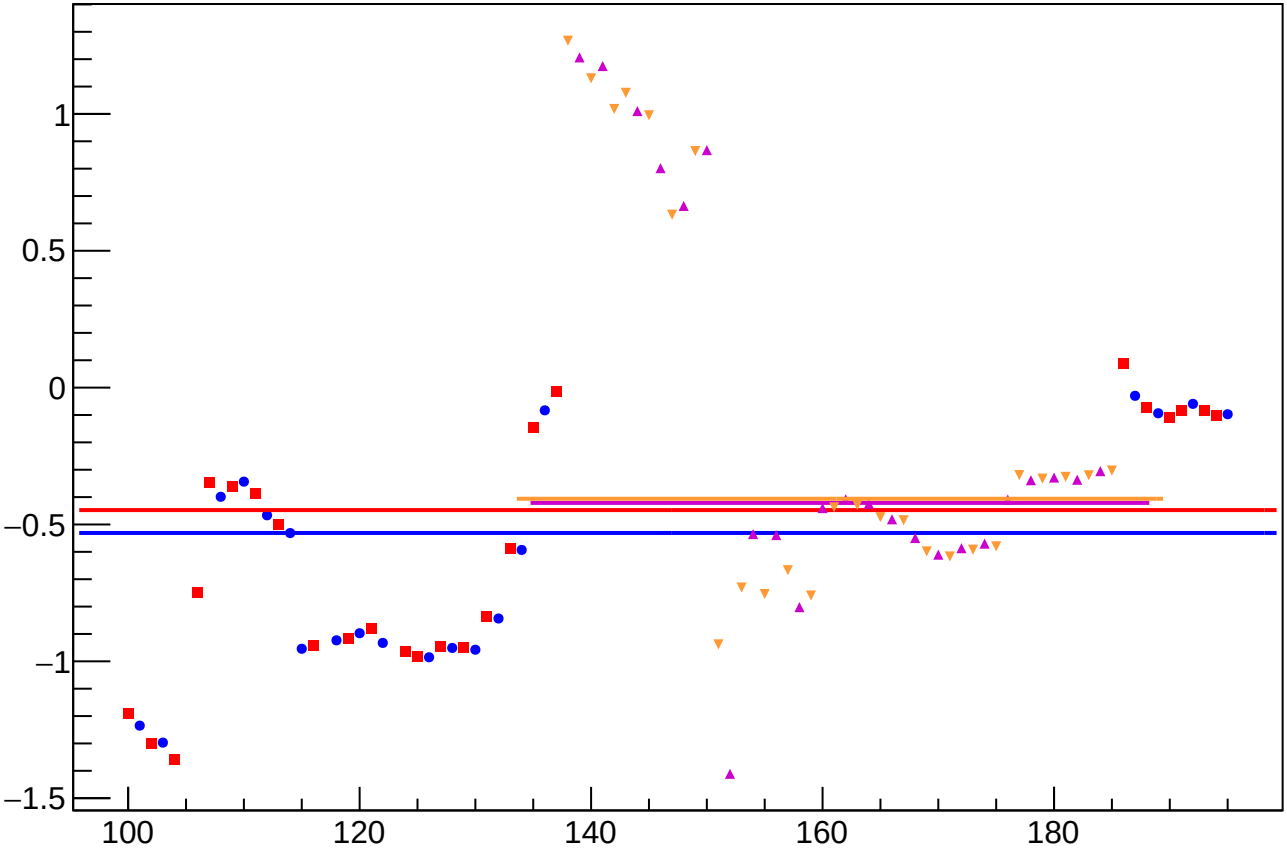
Right: 0.006+/-0.000 χ^2/NDF: 1759949.8/44

In: 0.006+/-0.000 χ^2/NDF:1473360.8/42

Out: 0.006+/-0.000 χ^2/NDF:1730086.5/49

All: 0.006+/-0.000 χ^2/NDF: 3203748.6/92

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.531+/-0.000 χ^2/NDF: 20598556558.0/19

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.447+/-0.000 χ^2/NDF: 24941485832.4/24

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

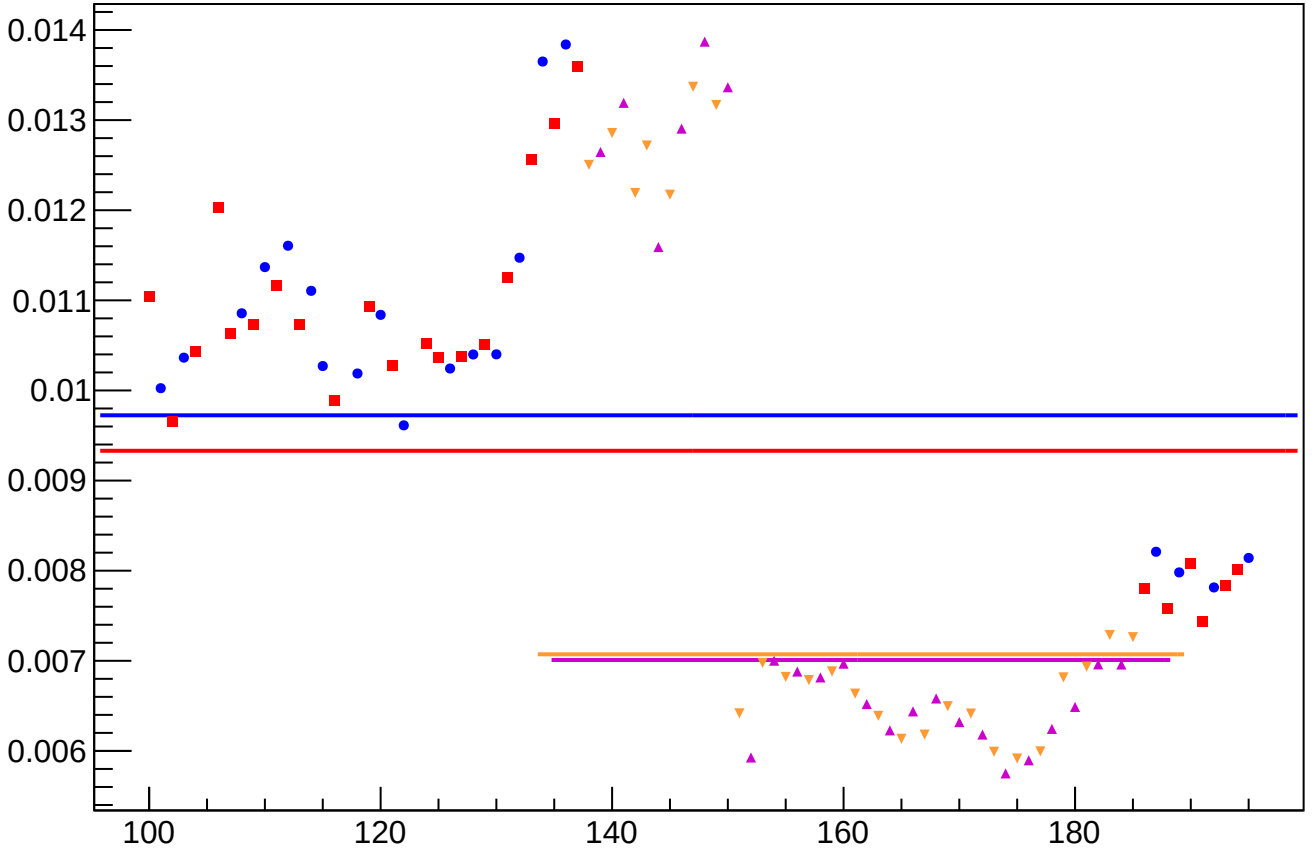
Right: -0.485+/-0.000 χ^2/NDF: 45919980621.6/44

In: -0.446+/-0.000 χ^2/NDF:111764504789.4/42

Out: -0.417+/-0.000 χ^2/NDF:106730648346.9/49

All: -0.431+/-0.000 χ^2/NDF: 218691752677.2

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 555128.9/19

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 649699.2/24

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

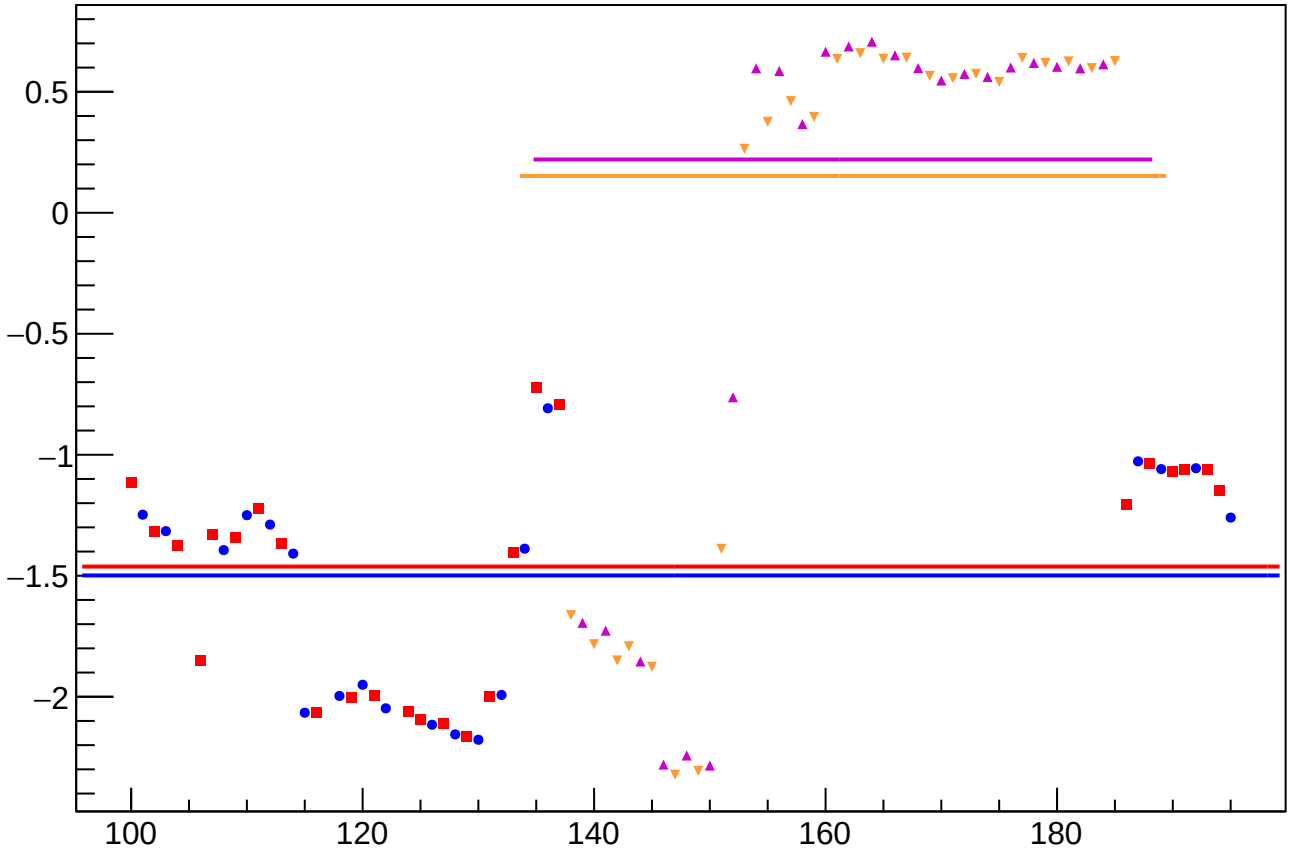
Right: 0.010+/-0.000 χ^2/NDF: 1221709.1/44

In: 0.008+/-0.000 χ^2/NDF:4141520.2/42

Out: 0.008+/-0.000 χ^2/NDF:3955789.8/49

All: 0.008+/-0.000 χ^2/NDF: 8097667.0/92

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 179764885794.3/19

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.462+/-0.000 χ^2/NDF: 170153669288.4/24

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

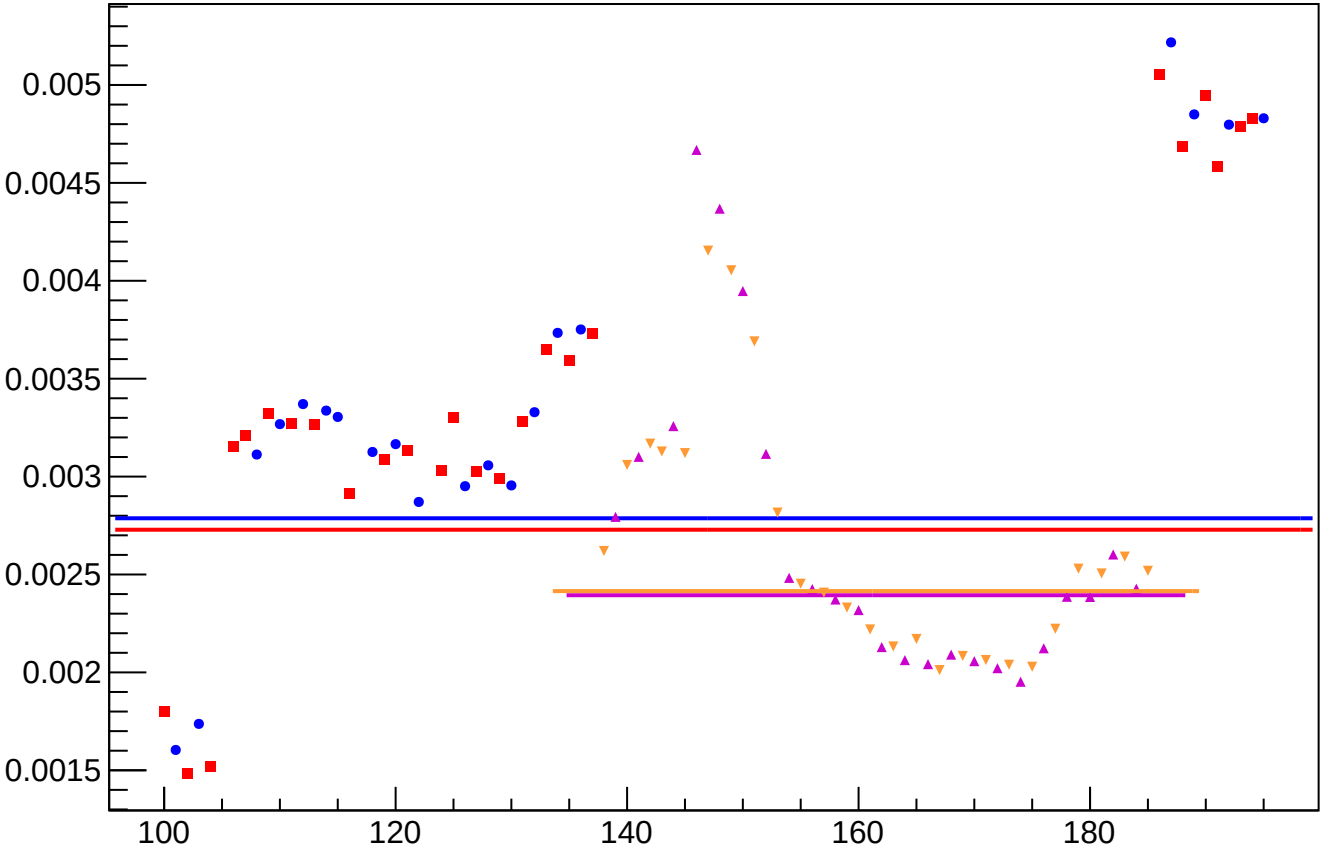
Right: -1.479+/-0.000 χ^2/NDF: 350659927896.3/44

In: -0.245+/-0.000 χ^2/NDF:4529979082889.2/42

Out: -0.309+/-0.000 χ^2/NDF:4749794800449.3/49

All: -0.278+/-0.000 χ^2/NDF: 9288054960458

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2165602.7/19

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3076817.8/24

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

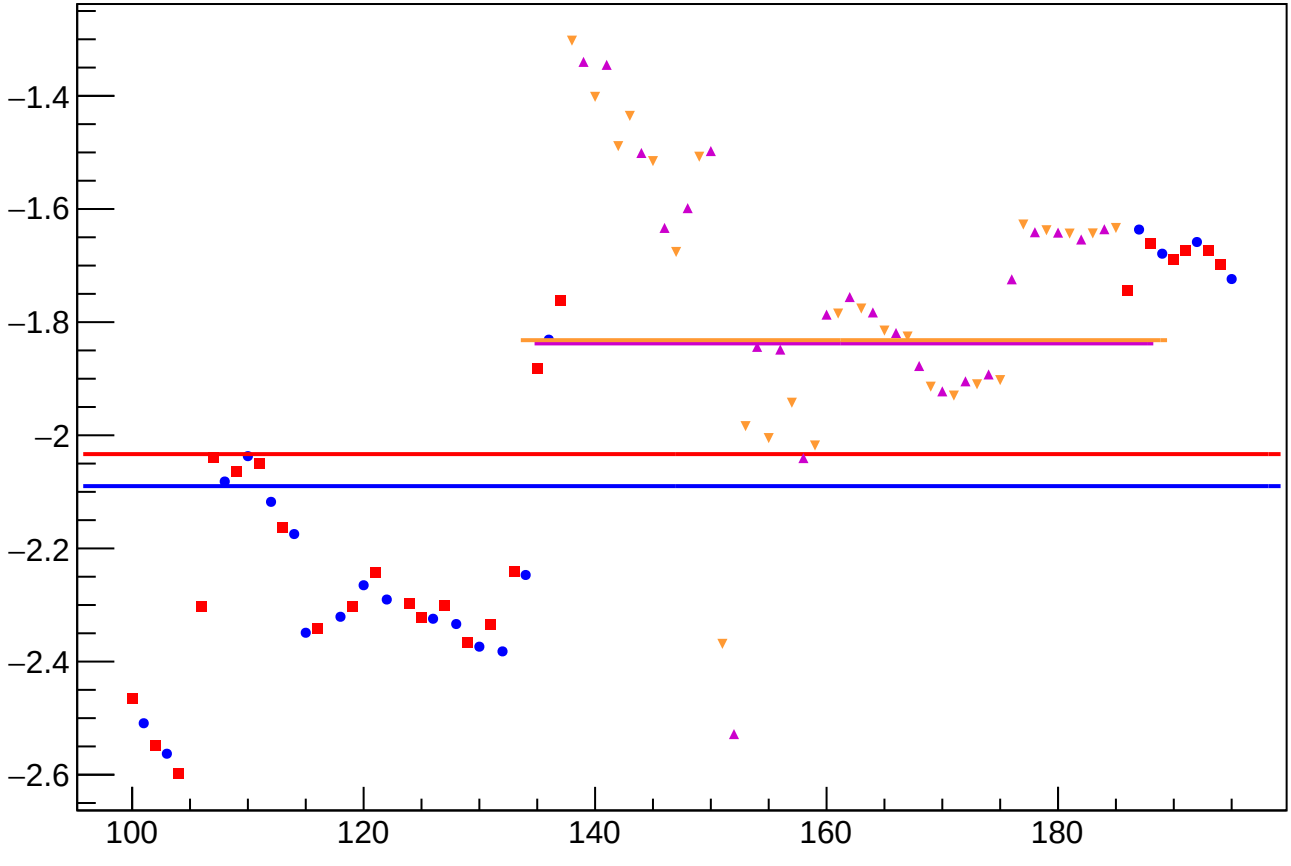
Right: 0.003+/-0.000 χ^2/NDF: 5246168.2/44

In: 0.003+/-0.000 χ^2/NDF:3808121.9/42

Out: 0.003+/-0.000 χ^2/NDF:4461720.7/49

All: 0.003+/-0.000 χ^2/NDF: 8269921.2/92

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.090+/-0.000 χ^2/NDF: 26880268567.6/19

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.033+/-0.000 χ^2/NDF: 33097640146.6/24

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

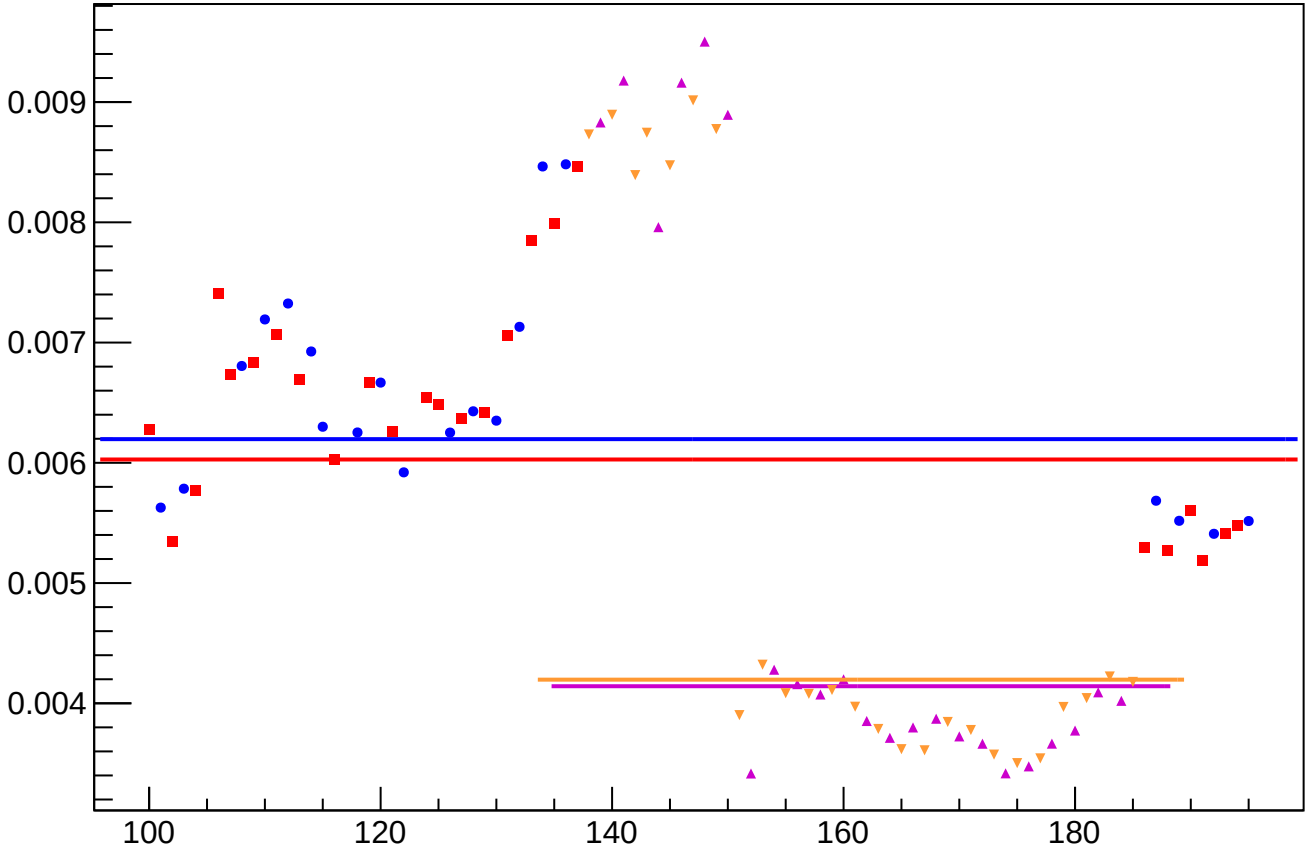
Right: -2.059+/-0.000 χ^2/NDF: 60402749254.9/44

In: -1.889+/-0.000 χ^2/NDF:92619359890.3/42

Out: -1.878+/-0.000 χ^2/NDF:80567436655.9/49

All: -1.884+/-0.000 χ^2/NDF: 173264014737.

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 348971.0/19

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 372919.7/24

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

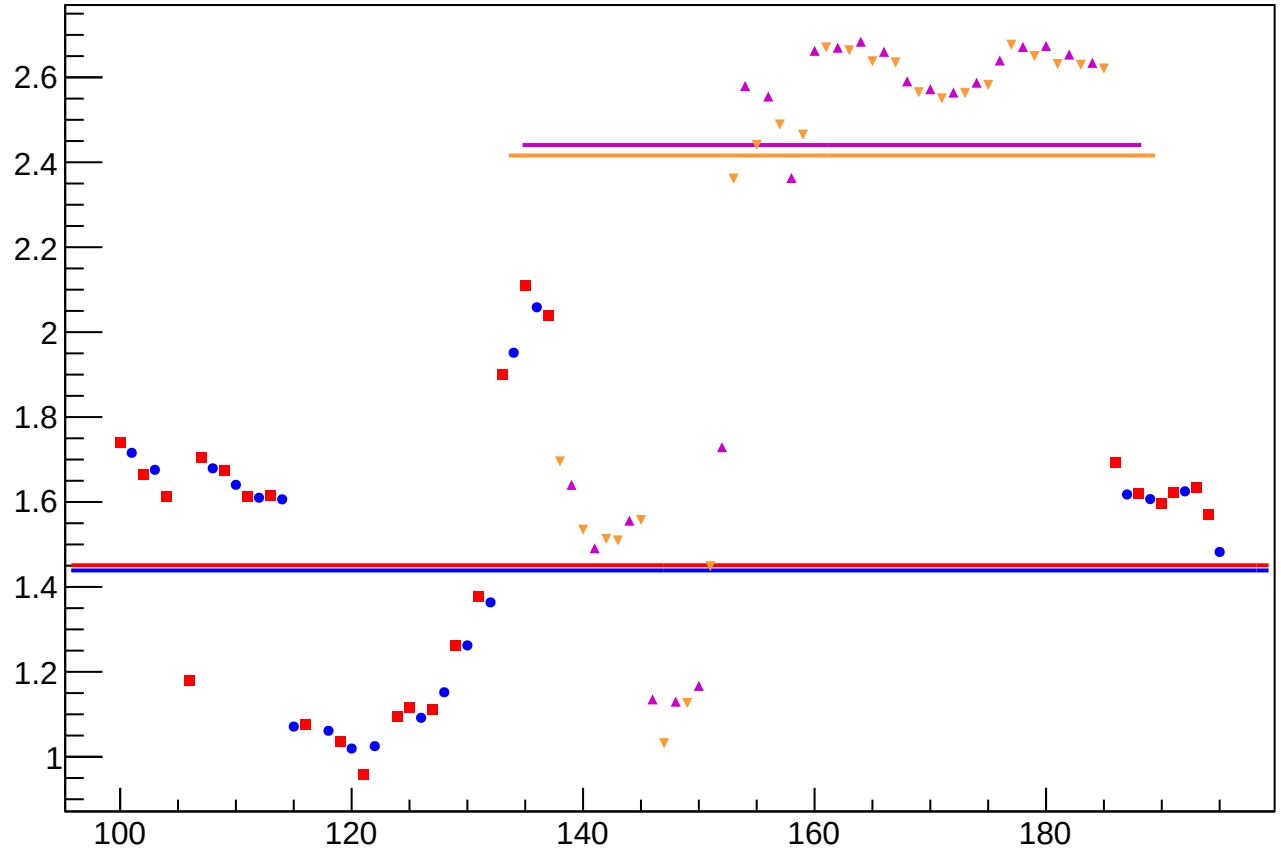
Right: 0.006+/-0.000 χ^2/NDF: 729485.3/44

In: 0.005+/-0.000 χ^2/NDF:5175389.2/42

Out: 0.005+/-0.000 χ^2/NDF:4969449.8/49

All: 0.005+/-0.000 χ^2/NDF: 10148363.3/92

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.439+/-0.000 χ^2/NDF: 191269139777.5/19

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.451+/-0.000 χ^2/NDF: 186300742085.9/24

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

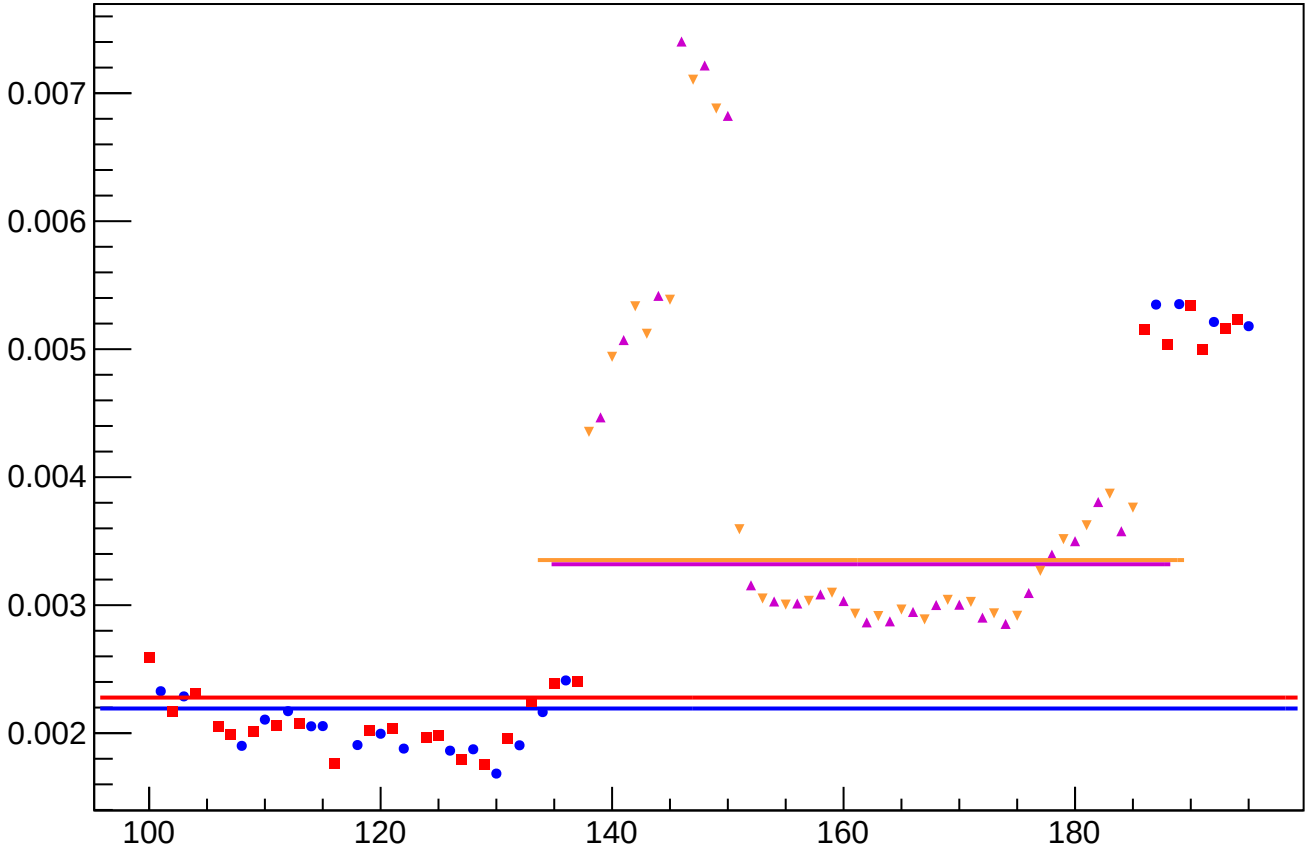
Right: 1.445+/-0.000 χ^2/NDF: 377698919376.6/44

In: 1.903+/-0.000 χ^2/NDF:1221467774174.9/42

Out: 1.902+/-0.000 χ^2/NDF:1199084502551.2/49

All: 1.902+/-0.000 χ^2/NDF: 2420553075129.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1956095.1/19

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2557677.8/24

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

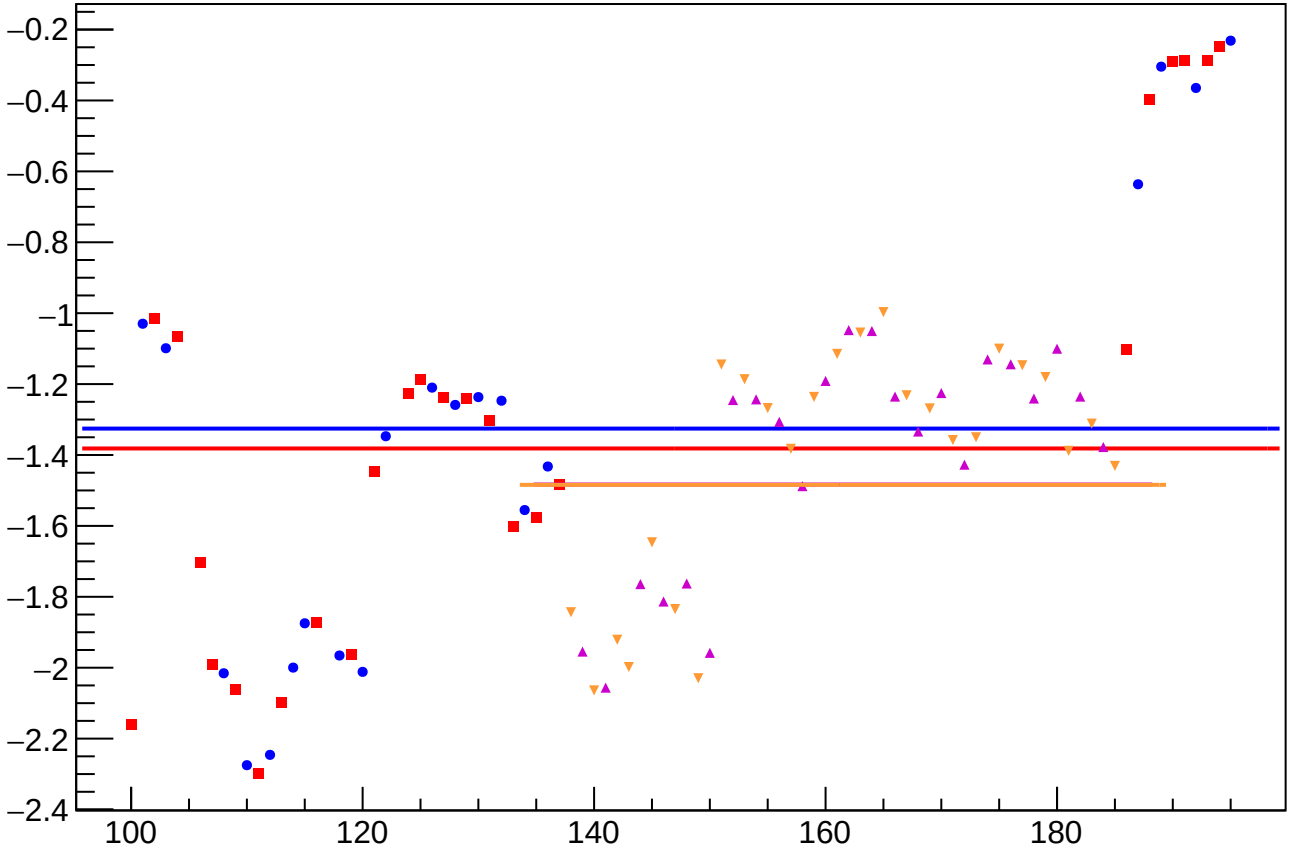
Right: 0.002+/-0.000 χ^2/NDF: 4526501.0/44

In: 0.003+/-0.000 χ^2/NDF:6032412.9/42

Out: 0.003+/-0.000 χ^2/NDF:6285459.3/49

All: 0.003+/-0.000 χ^2/NDF: 12331941.4/92

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.326+/-0.000 χ^2/NDF: 52222434110.0/19

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.382+/-0.000 χ^2/NDF: 73978626516.6/24

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

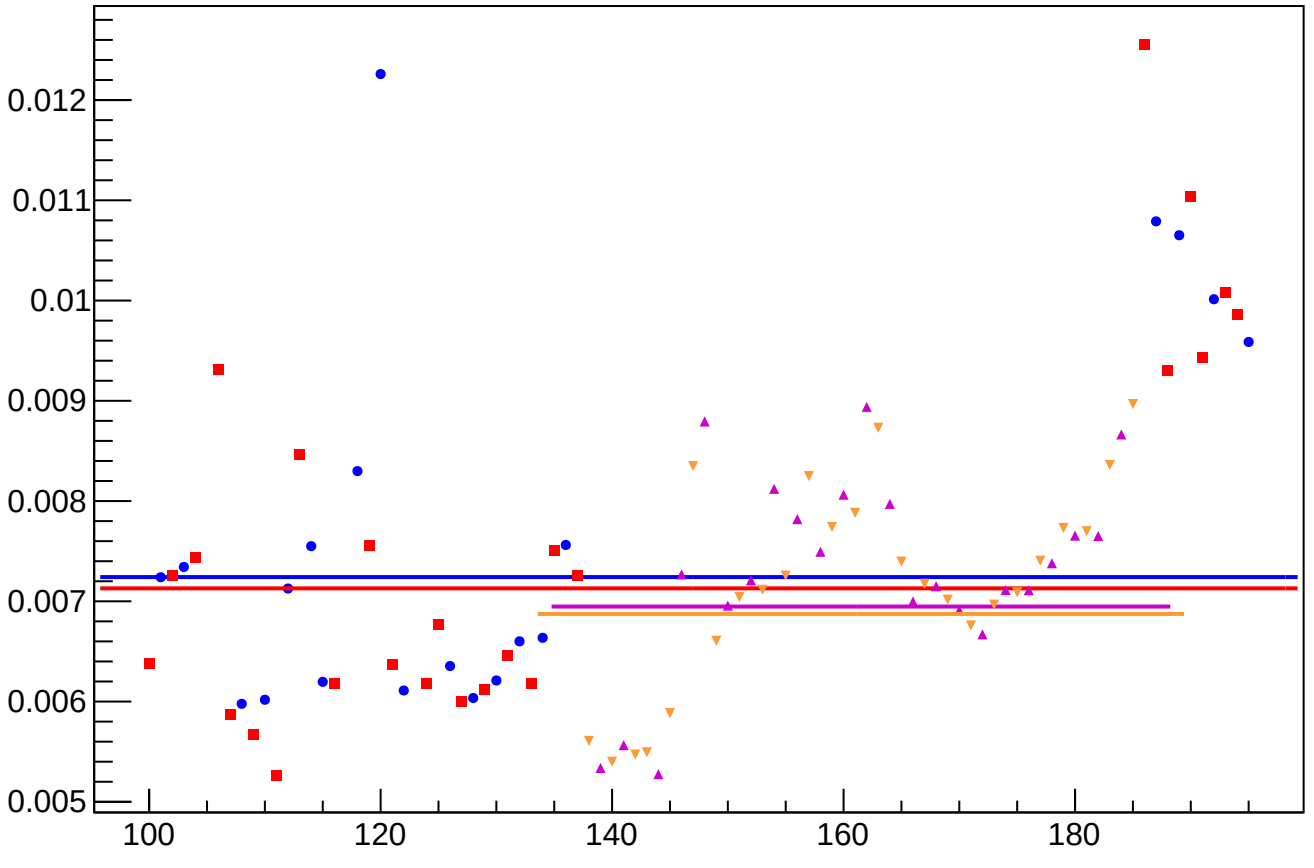
Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

Right: -1.356+/-0.000 χ^2/NDF: 126484943611.4/44

In: -1.433+/-0.000 χ^2/NDF:95389508396.6/42

Out: -1.449+/-0.000 χ^2/NDF:123787825456.3/49

All: -1.442+/-0.000 χ^2/NDF: 219252479416.1



Right In: 0.007+/-0.000 χ^2/NDF: 685943.2/19

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 972741.6/24

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

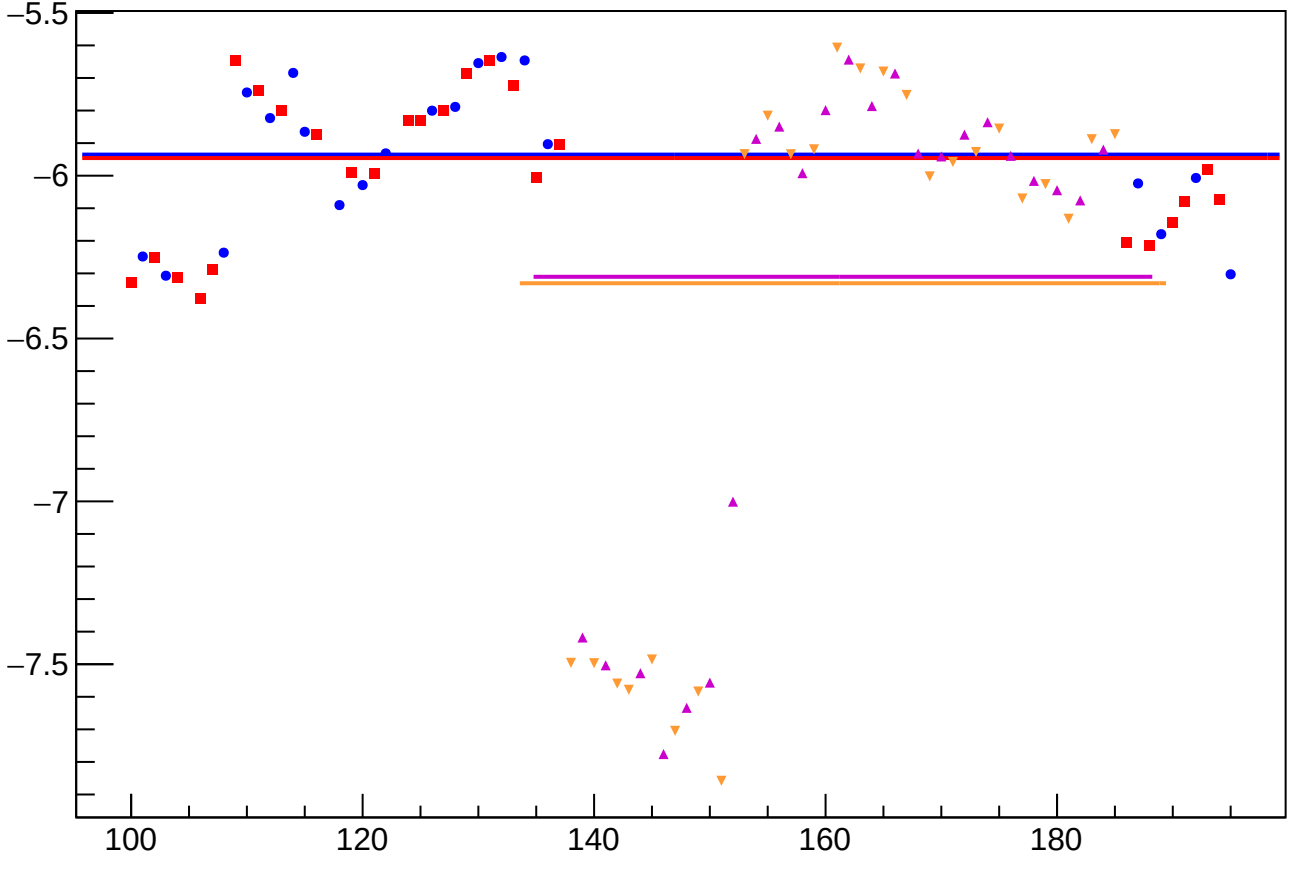
Right: 0.007+/-0.000 χ^2/NDF: 1660970.4/44

In: 0.007+/-0.000 χ^2/NDF:1452217.2/42

Out: 0.007+/-0.000 χ^2/NDF:1735238.5/49

All: 0.007+/-0.000 χ^2/NDF: 3191064.4/92

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.935+/-0.000 χ^2/NDF: 12704152869.8/19

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.946+/-0.000 χ^2/NDF: 13505687884.4/24

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

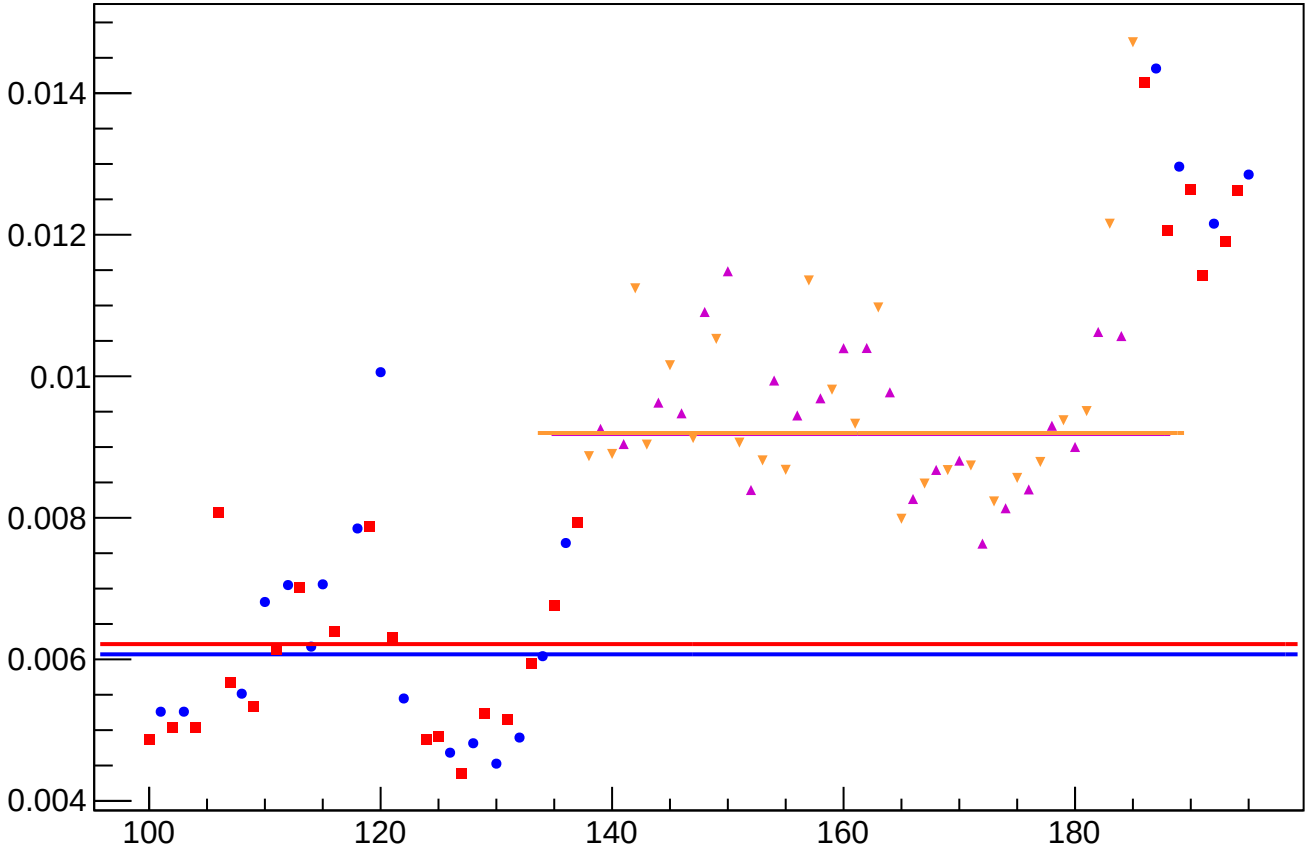
Right: -5.941+/-0.000 χ^2/NDF: 26222389522.7/44

In: -6.108+/-0.000 χ^2/NDF:118243859705.0/42

Out: -6.119+/-0.000 χ^2/NDF:139343106491.7/49

All: -6.114+/-0.000 χ^2/NDF: 257609164955.5

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1930409.8/19

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2277471.7/24

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

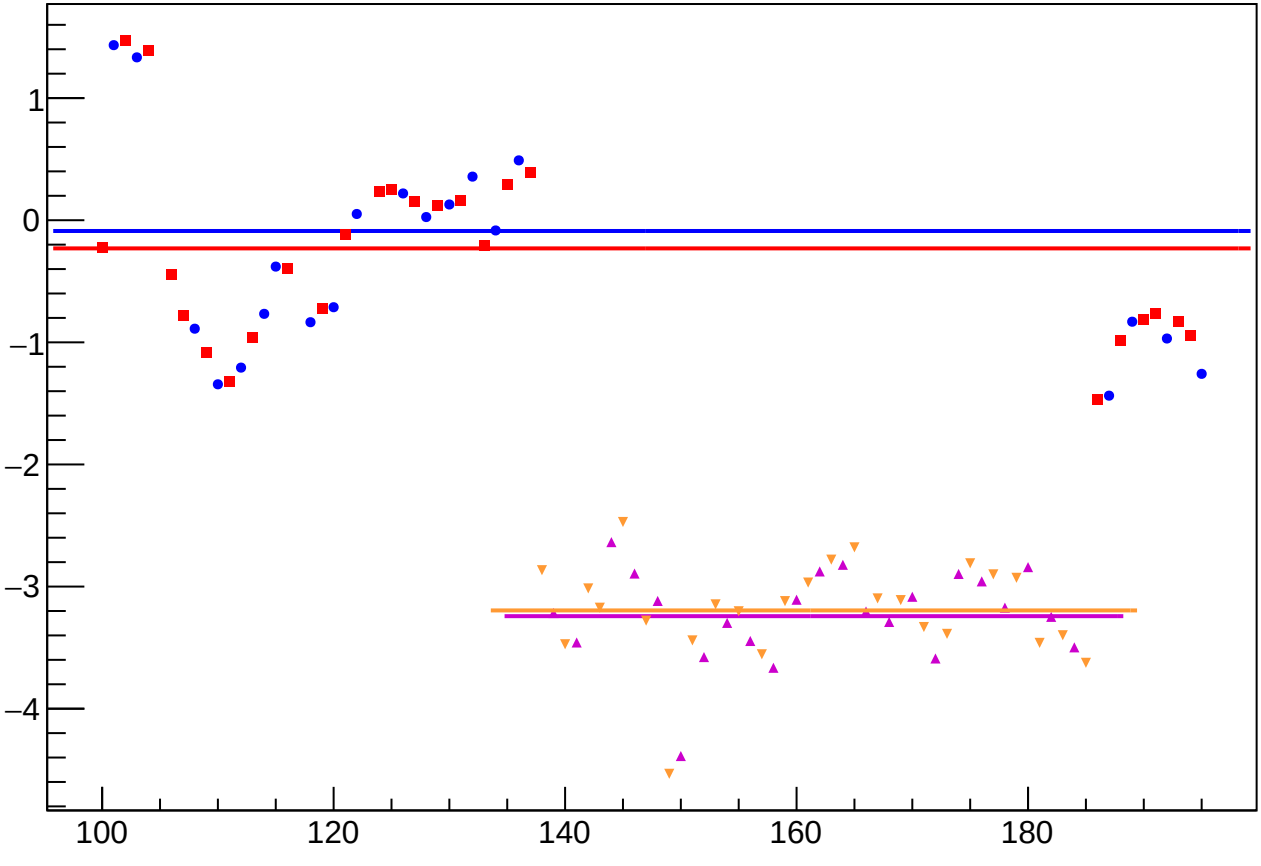
Right: 0.006+/-0.000 χ^2/NDF: 4212538.5/44

In: 0.008+/-0.000 χ^2/NDF:4156953.3/42

Out: 0.008+/-0.000 χ^2/NDF:4512673.6/49

All: 0.008+/-0.000 χ^2/NDF: 8670650.7/92

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.000 χ^2/NDF: 28200999820.1/19

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.231+/-0.000 χ^2/NDF: 30349794531.4/24

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

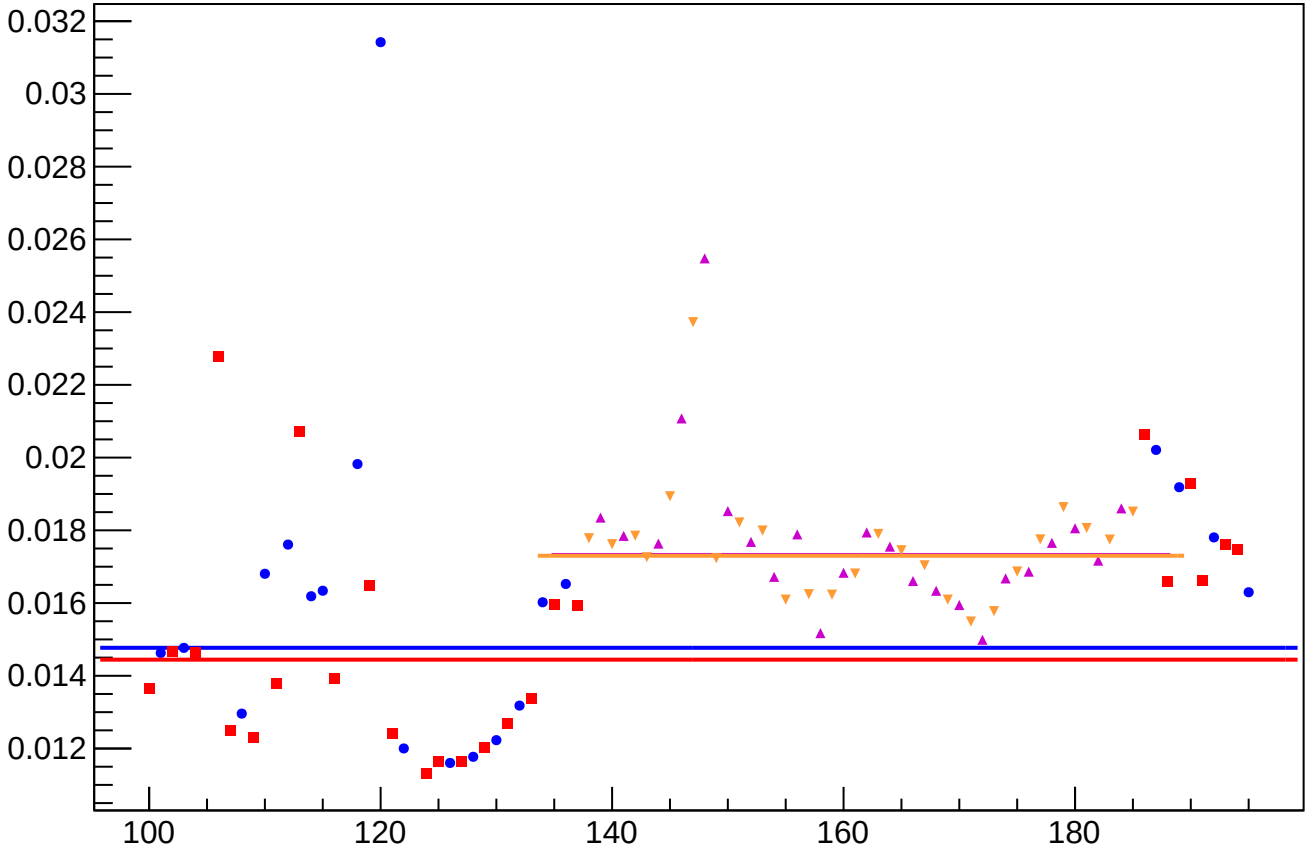
Right: -0.166+/-0.000 χ^2/NDF: 58995213426.8/44

In: -1.964+/-0.000 χ^2/NDF:271731333385.9/42

Out: -1.895+/-0.000 χ^2/NDF:279196498131.3/49

All: -1.927+/-0.000 χ^2/NDF: 551173508624.

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 642701.6/19

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 628351.7/24

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

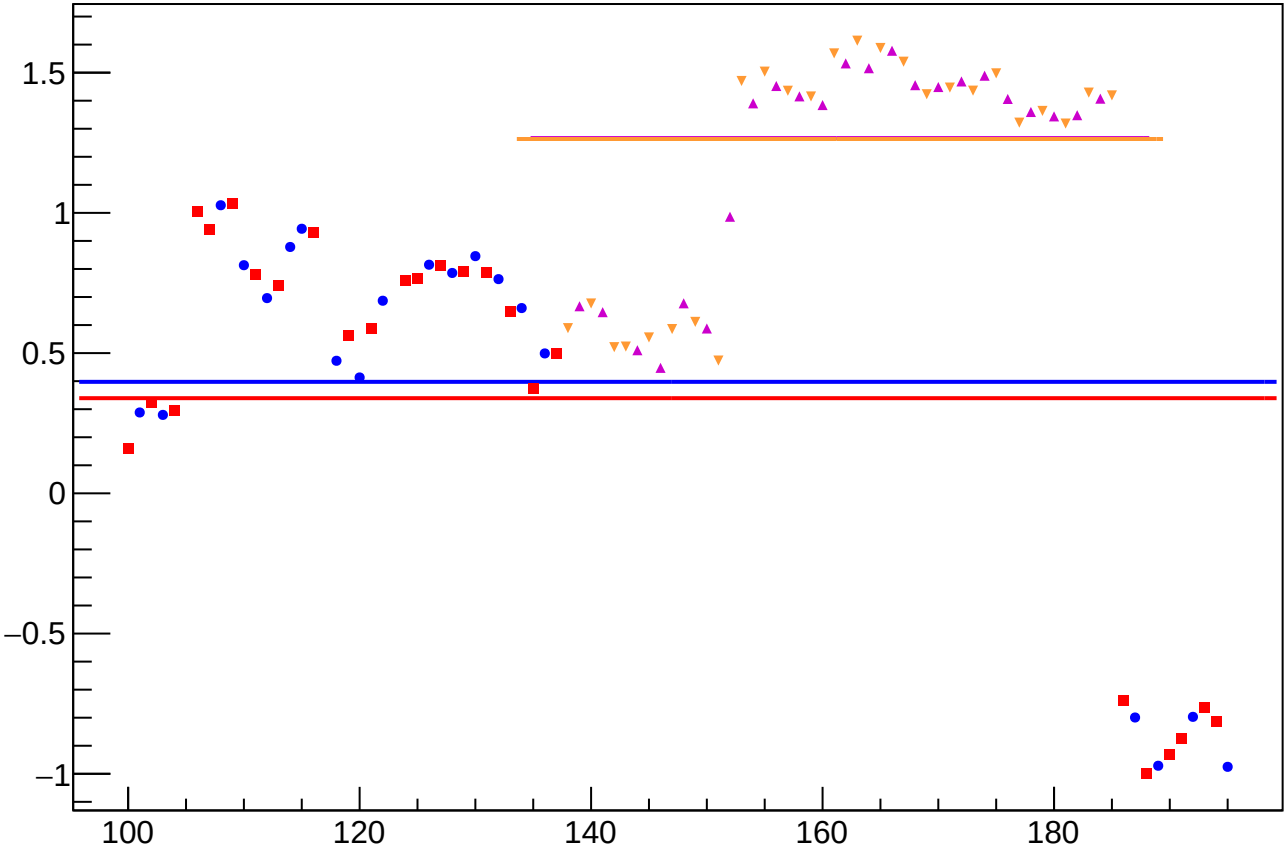
Right: 0.015+/-0.000 χ^2/NDF: 1275720.5/44

In: 0.016+/-0.000 χ^2/NDF:1281174.3/42

Out: 0.016+/-0.000 χ^2/NDF:1291122.9/49

All: 0.016+/-0.000 χ^2/NDF: 2578304.1/92

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.398+/-0.000 χ^2/NDF: 36150824650.7/19

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.339+/-0.000 χ^2/NDF: 49660471618.8/24

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

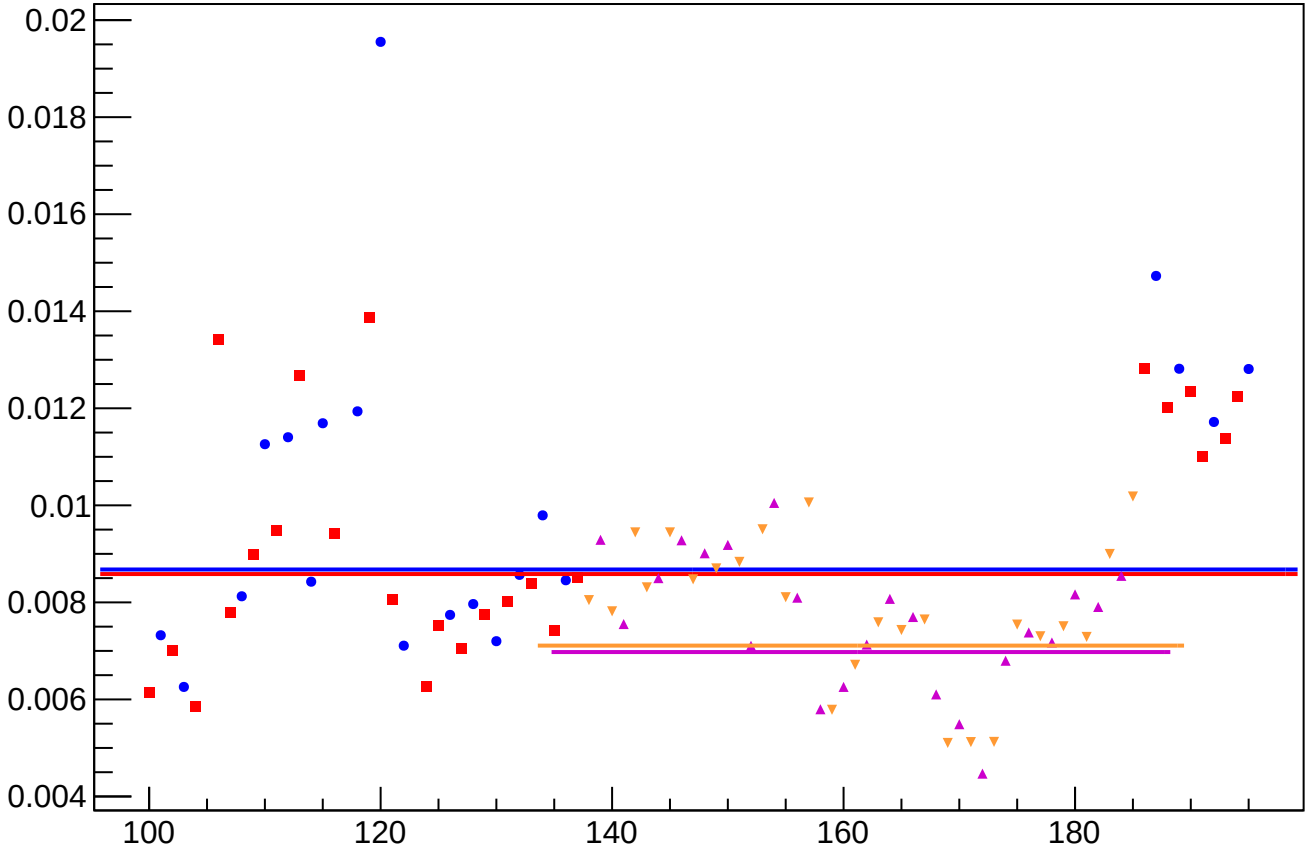
Right: 0.366+/-0.000 χ^2/NDF: 86013386264.7/44

In: 1.051+/-0.000 χ^2/NDF:136372787599.7/42

Out: 1.007+/-0.000 χ^2/NDF:175137218788.4/49

All: 1.028+/-0.000 χ^2/NDF: 311960430270.9

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1133551.6/19

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1275933.1/24

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

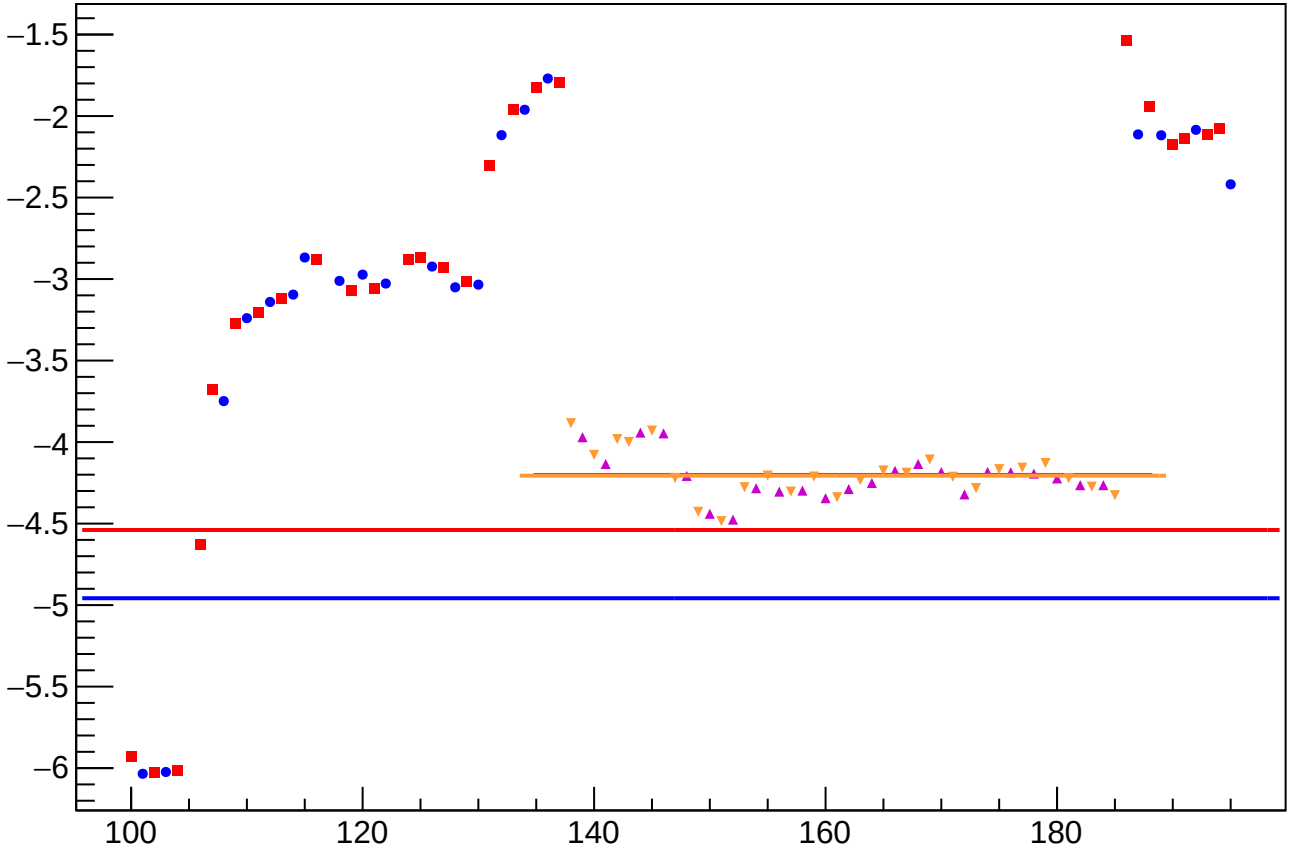
Right: 0.009+/-0.000 χ^2/NDF: 2410539.6/44

In: 0.007+/-0.000 χ^2/NDF:3070466.0/42

Out: 0.008+/-0.000 χ^2/NDF:3202033.4/49

All: 0.007+/-0.000 χ^2/NDF: 6279102.8/92

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.958+/-0.000 χ^2/NDF: 204673321612.8/19

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.539+/-0.000 χ^2/NDF: 245531476593.2/24

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

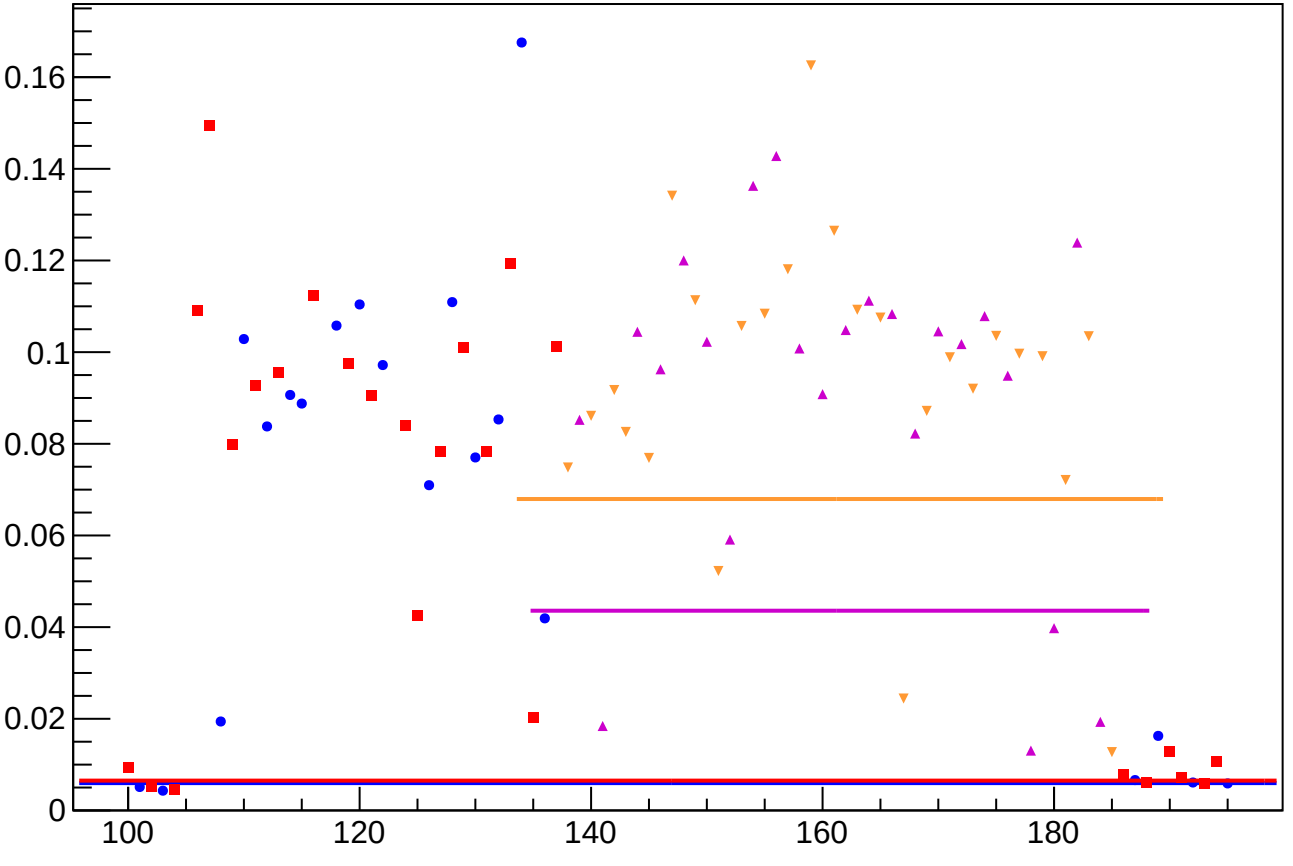
Right: -4.756+/-0.000 χ^2/NDF: 456145940098.4/44

In: -4.916+/-0.000 χ^2/NDF:206926875674.3/42

Out: -4.526+/-0.000 χ^2/NDF:245877102566.4/49

All: -4.730+/-0.000 χ^2/NDF: 458217397970.9

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8796945.4/19

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8870000.2/24

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

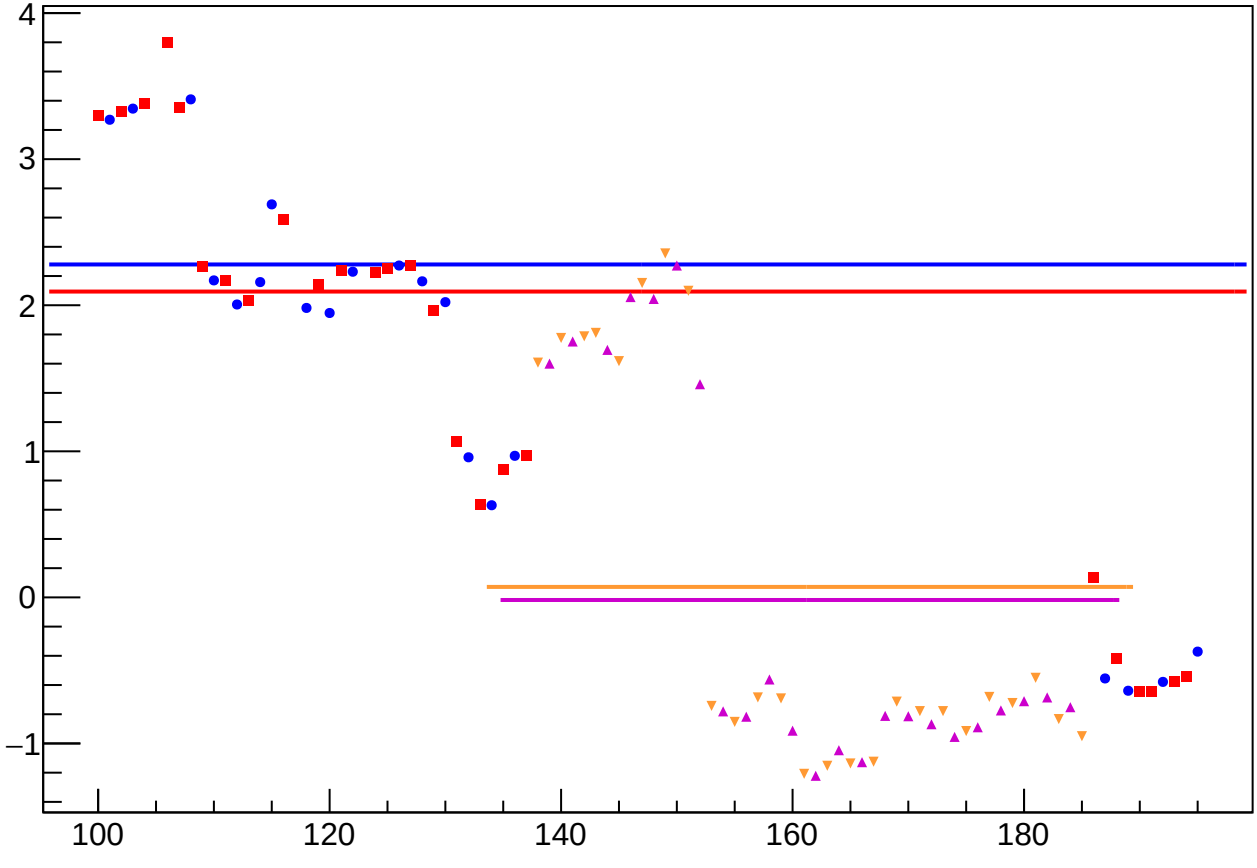
Right: 0.006+/-0.000 χ^2/NDF: 17687110.1/44

In: 0.008+/-0.000 χ^2/NDF:32502690.3/42

Out: 0.009+/-0.000 χ^2/NDF:35807018.4/49

All: 0.008+/-0.000 χ^2/NDF: 68365214.1/92

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 2.279+/-0.000 χ^2/NDF: 117431227471.6/19

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 2.094+/-0.000 χ^2/NDF: 136245951494.2/24

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

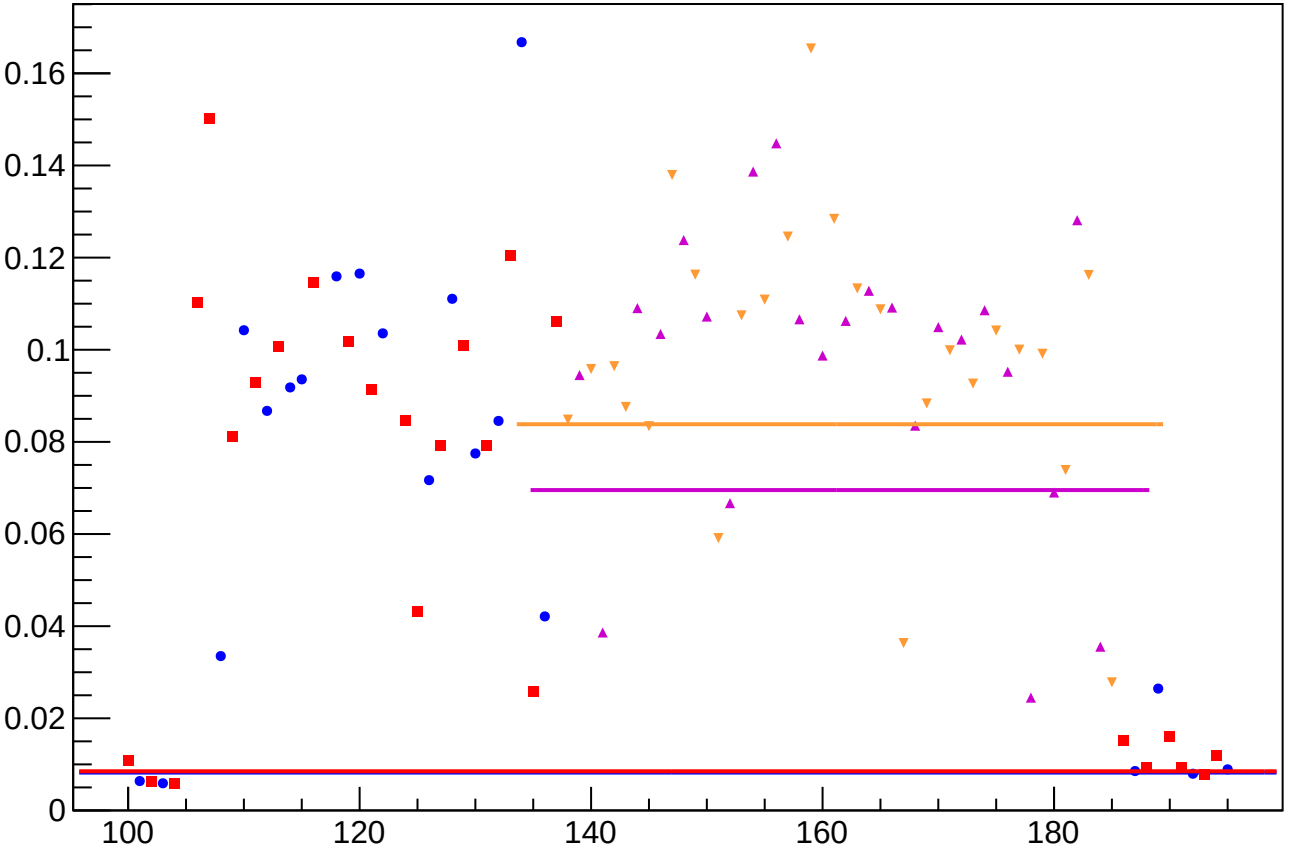
Right: 2.185+/-0.000 χ^2/NDF: 254406706595.2/44

In: 2.156+/-0.000 χ^2/NDF:132760943307.6/42

Out: 2.001+/-0.000 χ^2/NDF:147907447227.0/49

All: 2.078+/-0.000 χ^2/NDF: 281204417746.6

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8580937.7/19

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8716565.6/24

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

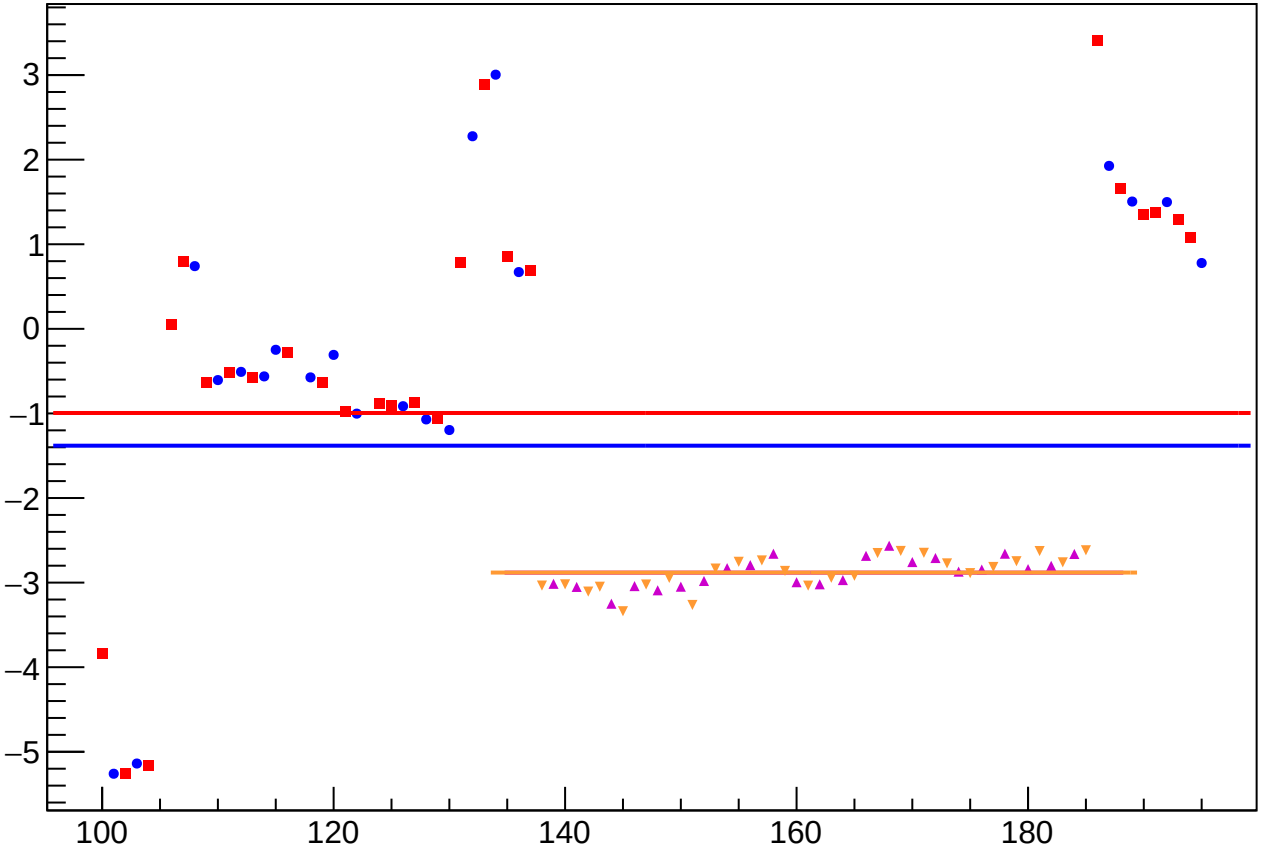
Right: 0.008+/-0.000 χ^2/NDF: 17300687.3/44

In: 0.012+/-0.000 χ^2/NDF:32199236.2/42

Out: 0.012+/-0.000 χ^2/NDF:34826495.4/49

All: 0.012+/-0.000 χ^2/NDF: 67034309.2/92

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.381+/-0.000 χ^2/NDF: 205849128938.0/19

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -0.995+/-0.000 χ^2/NDF: 228818227878.0/24

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

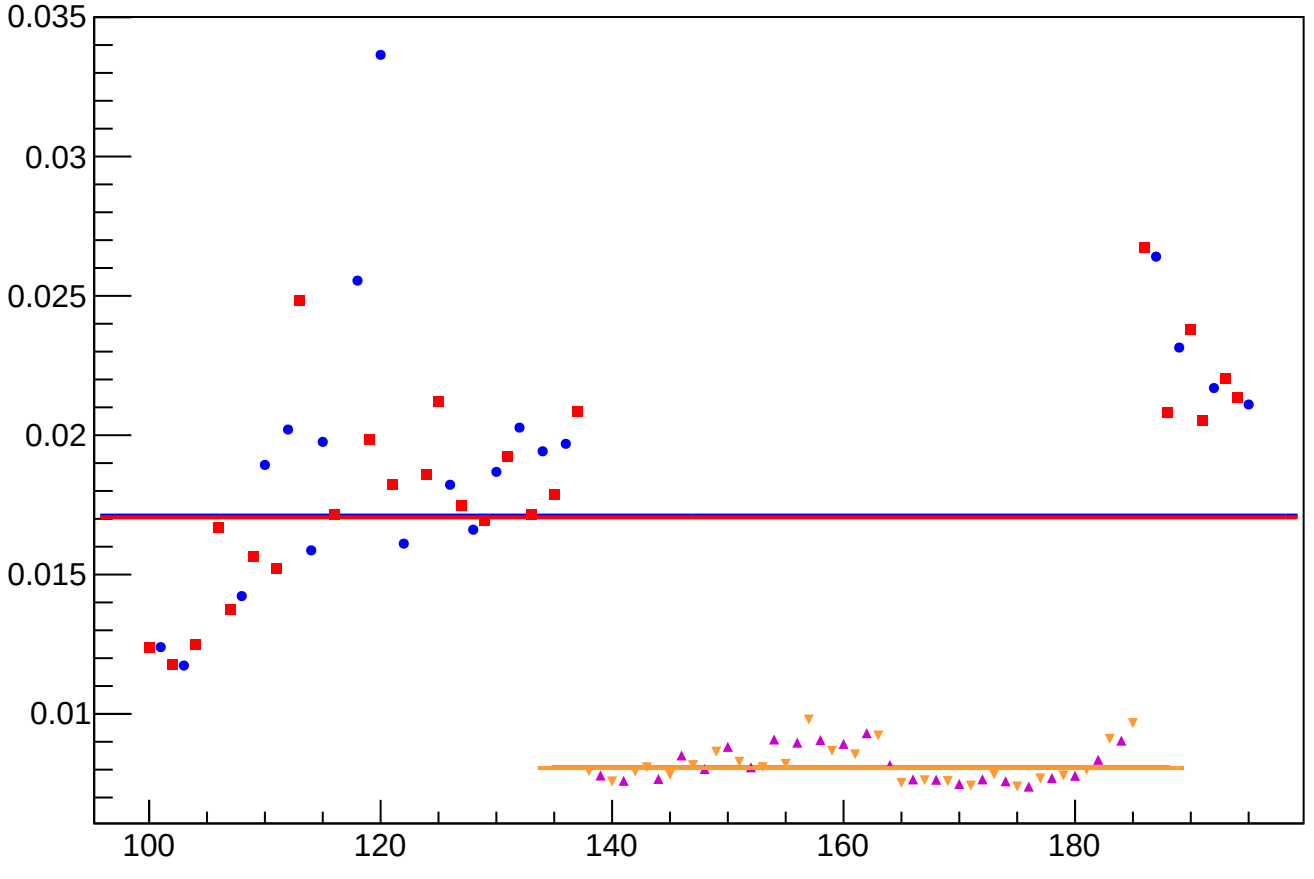
Right: -1.171+/-0.000 χ^2/NDF: 436925134837.0/44

In: -2.741+/-0.000 χ^2/NDF:270788626340.2/42

Out: -2.684+/-0.000 χ^2/NDF:345040890643.5/49

All: -2.712+/-0.000 χ^2/NDF: 616334207572.5

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 1042128.8/19

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.017+/-0.000 χ^2/NDF: 968125.4/24

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

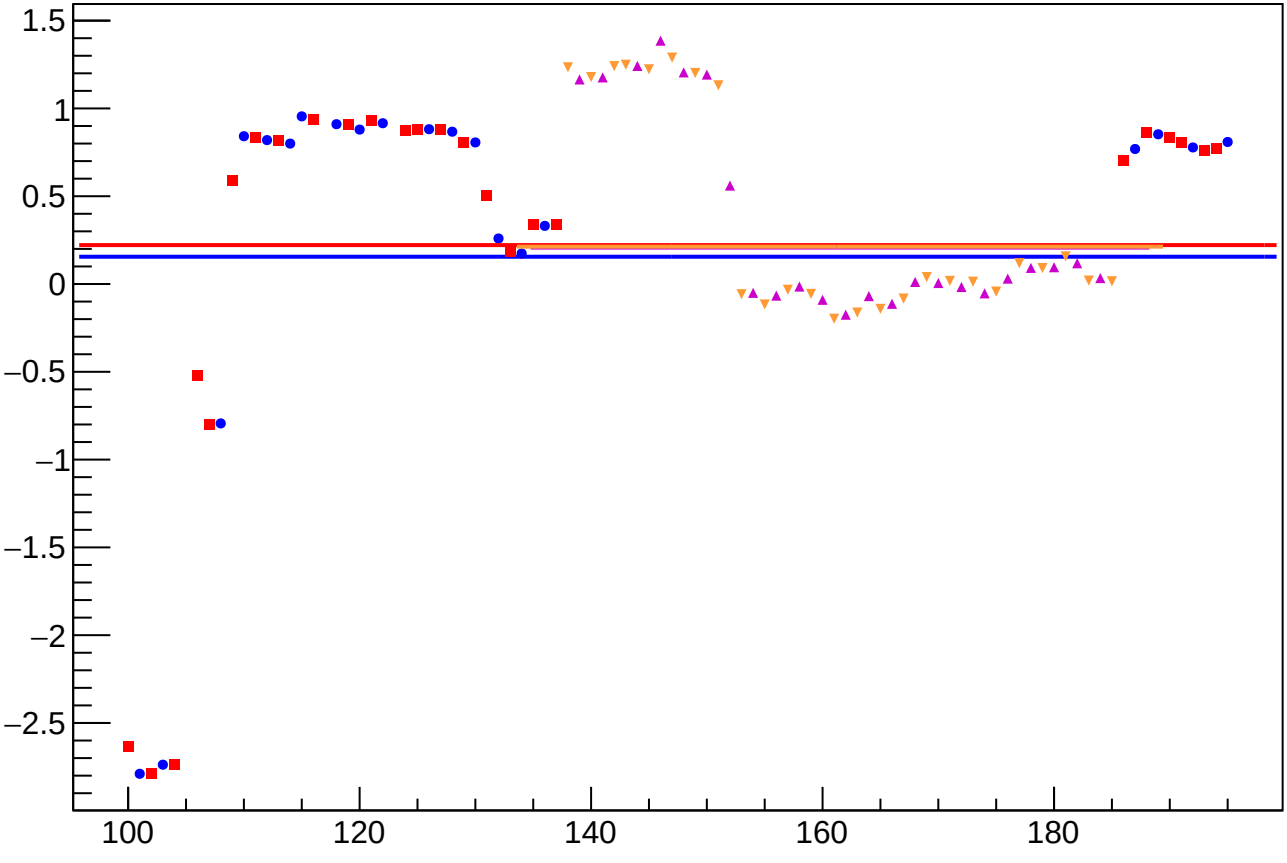
Right: 0.017+/-0.000 χ^2/NDF: 2010372.7/44

In: 0.009+/-0.000 χ^2/NDF:5331338.6/42

Out: 0.009+/-0.000 χ^2/NDF:5959118.8/49

All: 0.009+/-0.000 χ^2/NDF: 11292040.9/92

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.155+/-0.000 χ^2/NDF: 902090353226.2/19

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.222+/-0.000 χ^2/NDF: 999538322199.0/24

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

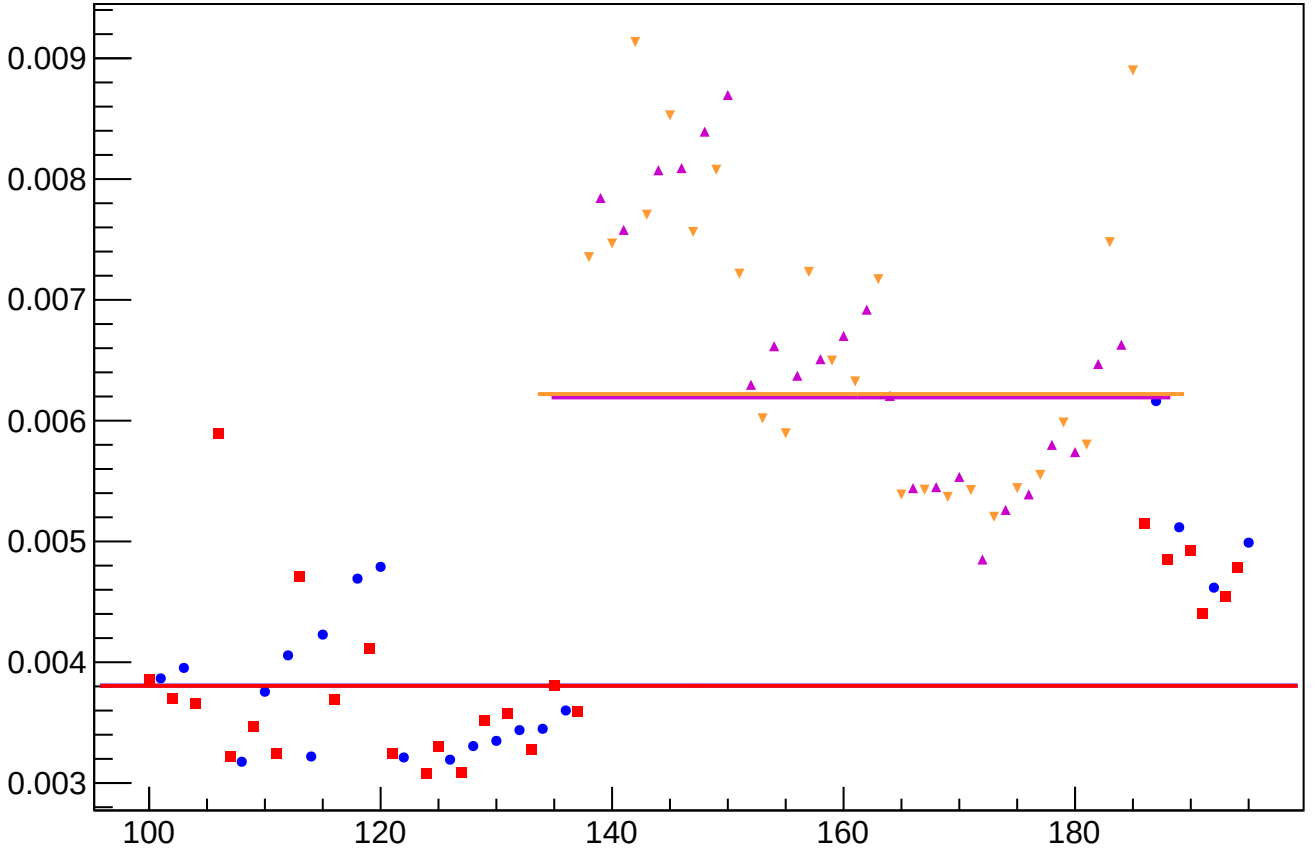
Right: 0.191+/-0.000 χ^2/NDF: 1903084847989.0/44

In: 0.176+/-0.000 χ^2/NDF:989871111661.1/42

Out: 0.218+/-0.000 χ^2/NDF:1102378877737.2/49

All: 0.198+/-0.000 χ^2/NDF: 2093212690470.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 494077.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 593063.2/24

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

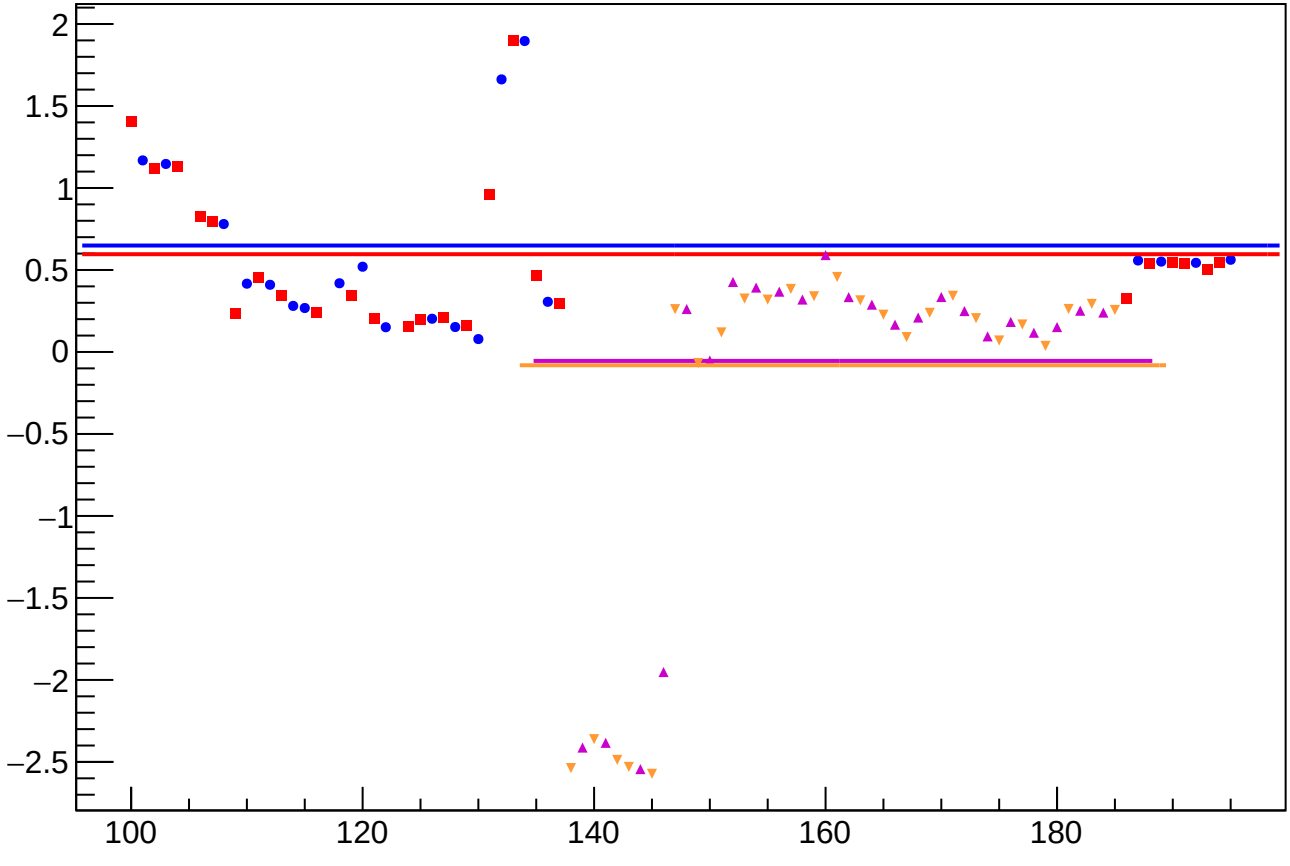
Right: 0.004+/-0.000 χ^2/NDF: 1087142.9/44

In: 0.005+/-0.000 χ^2/NDF:4137248.2/42

Out: 0.005+/-0.000 χ^2/NDF:4537982.9/49

All: 0.005+/-0.000 χ^2/NDF: 8677399.7/92

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.649+/-0.000 χ^2/NDF: 41667895765.0/19

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.596+/-0.000 χ^2/NDF: 43262207746.3/24

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

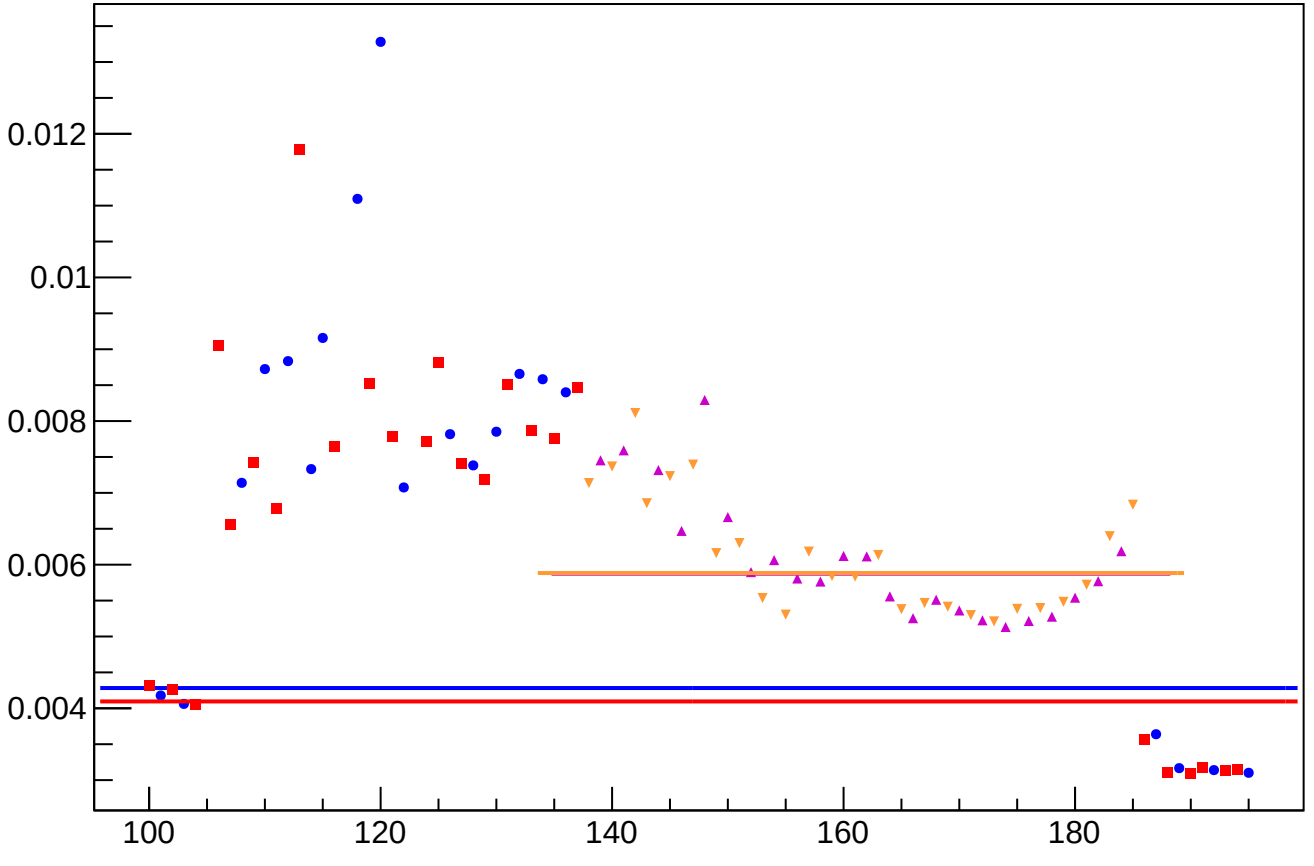
Right: 0.619+/-0.000 χ^2/NDF: 85551800528.8/44

In: 0.260+/-0.000 χ^2/NDF:495941336371.7/42

Out: 0.259+/-0.000 χ^2/NDF:548152702244.6/49

All: 0.259+/-0.000 χ^2/NDF: 1044094714329.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3123041.9/19

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3183851.0/24

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

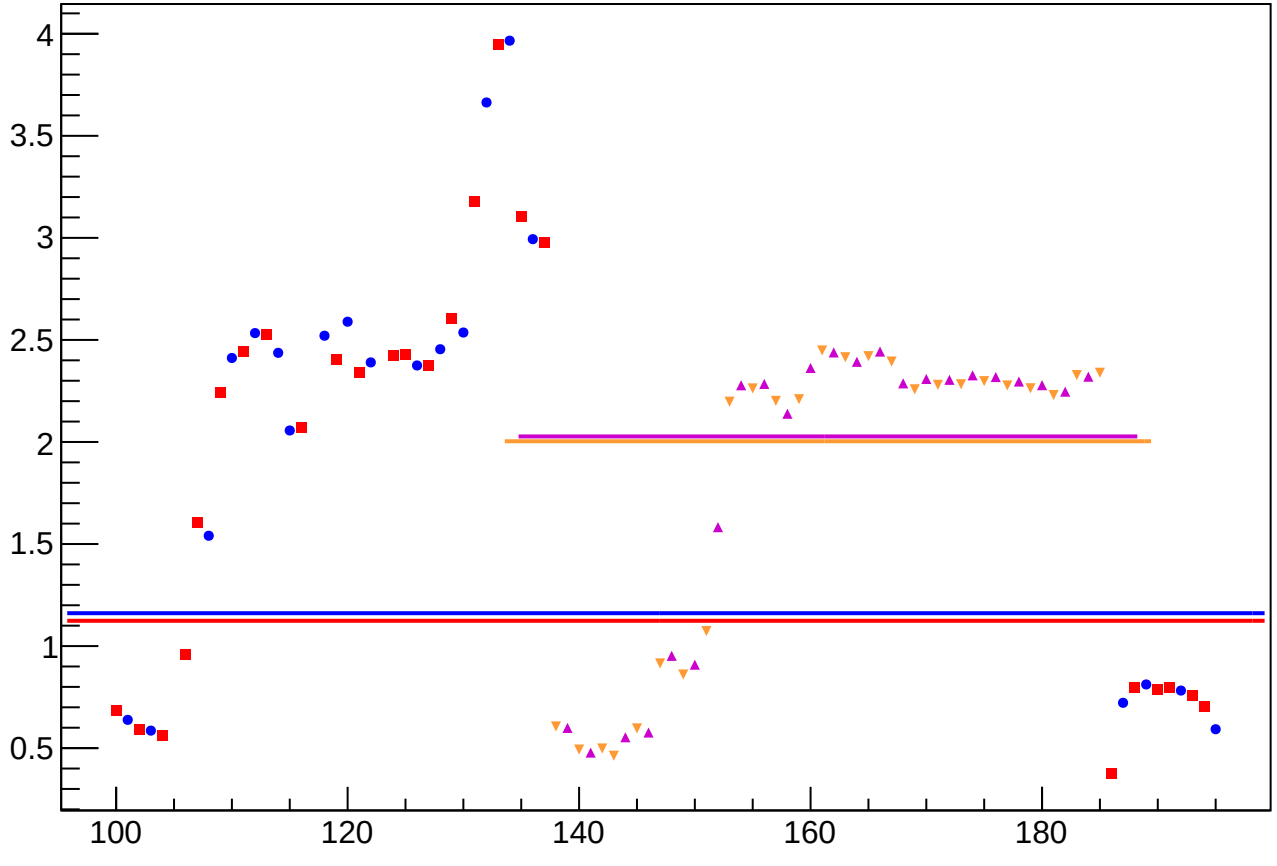
Right: 0.004+/-0.000 χ^2/NDF: 6322306.7/44

In: 0.005+/-0.000 χ^2/NDF:4743032.5/42

Out: 0.005+/-0.000 χ^2/NDF:5266155.8/49

All: 0.005+/-0.000 χ^2/NDF: 10038550.0/92

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.161+/-0.000 χ^2/NDF: 201988092847.3/19

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.124+/-0.000 χ^2/NDF: 234251085179.9/24

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

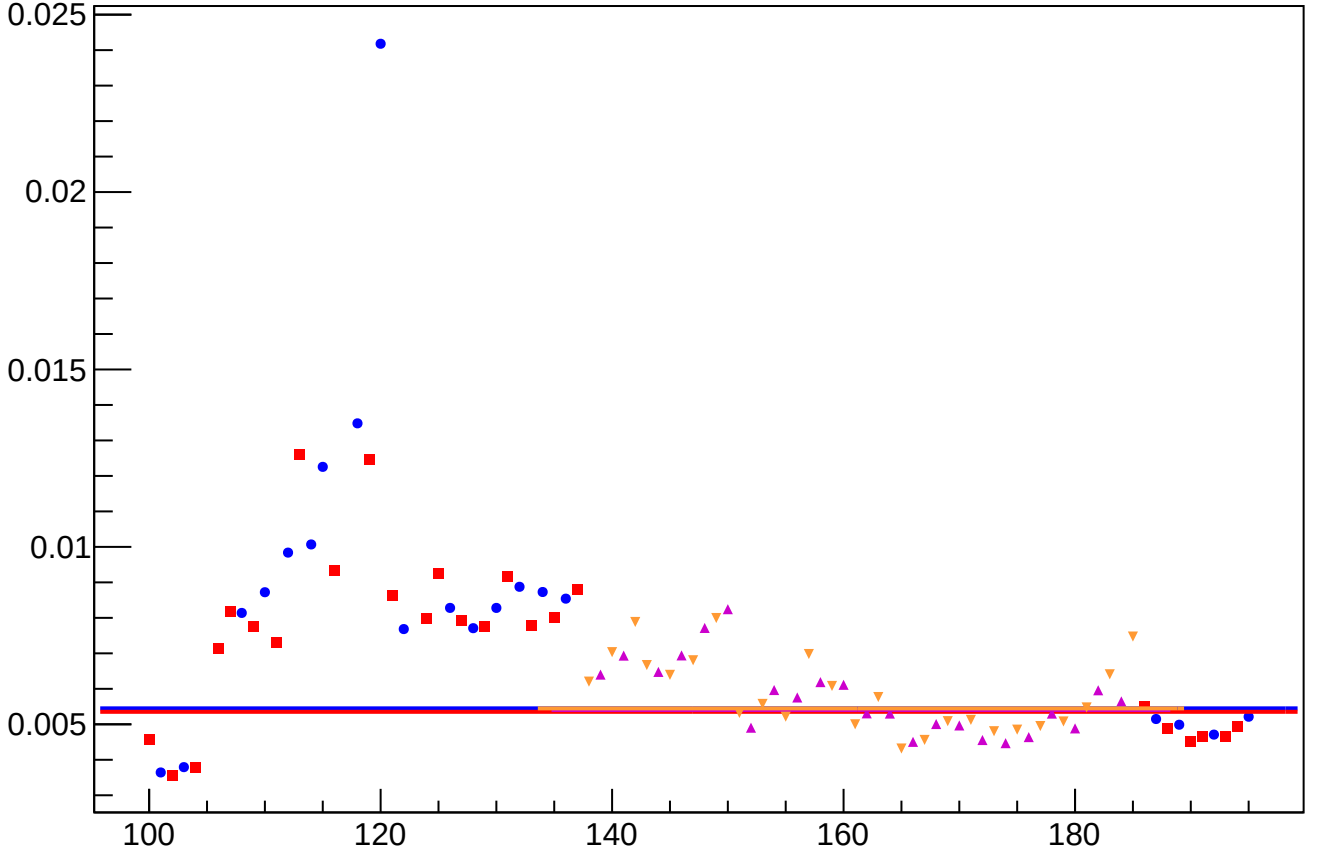
Right: 1.140+/-0.000 χ^2/NDF: 436430430884.4/44

In: 1.751+/-0.000 χ^2/NDF:523732970973.9/42

Out: 1.687+/-0.000 χ^2/NDF:607048212941.6/49

All: 1.717+/-0.000 χ^2/NDF: 1132443410517.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2305674.1/19

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124004.6/24

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

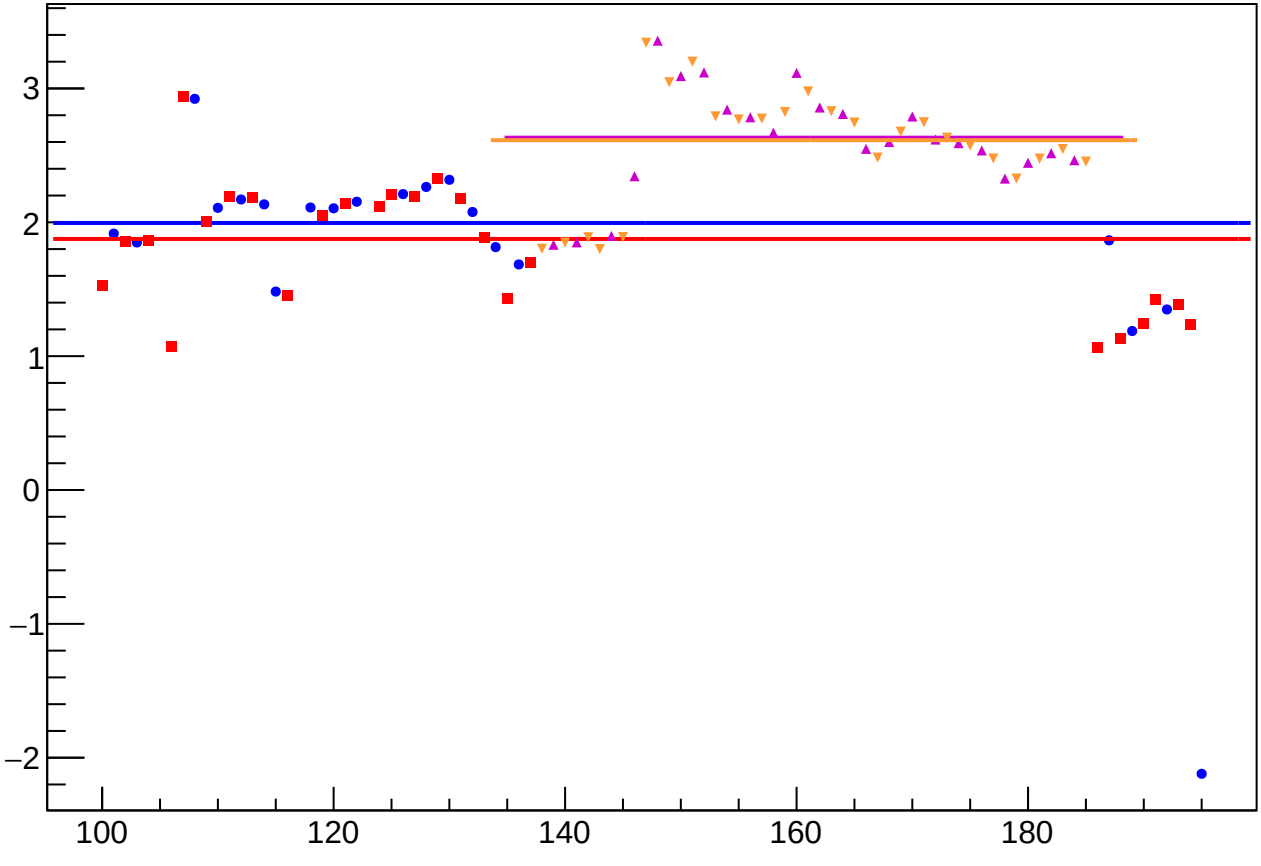
Right: 0.005+/-0.000 χ^2/NDF: 4432315.4/44

In: 0.005+/-0.000 χ^2/NDF:3121491.6/42

Out: 0.005+/-0.000 χ^2/NDF:2899153.5/49

All: 0.005+/-0.000 χ^2/NDF: 6020666.7/92

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.995+/-0.000 χ^2/NDF: 42498662674.3/19

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.876+/-0.000 χ^2/NDF: 37129599451.0/24

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

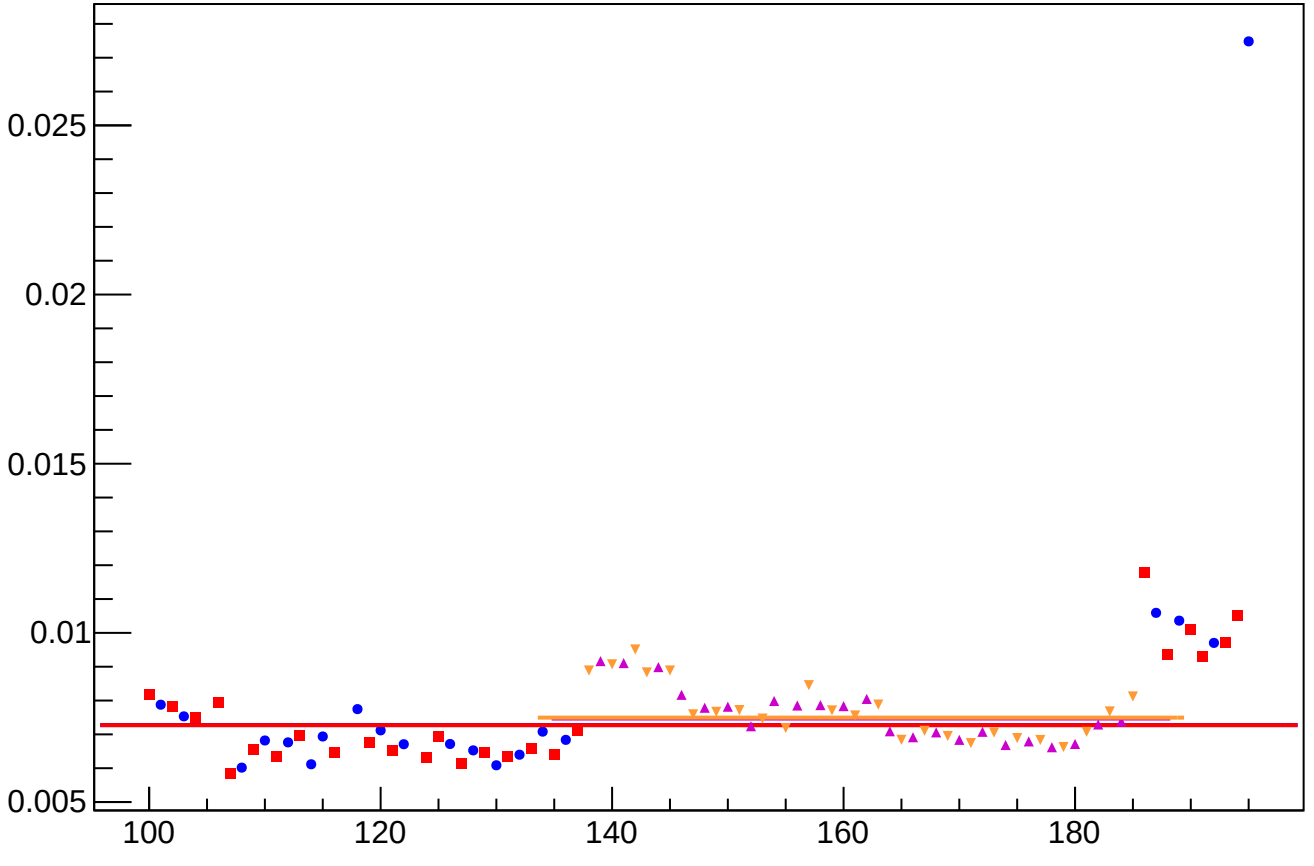
Right: 1.930+/-0.000 χ^2/NDF: 80900068879.0/44

In: 2.412+/-0.000 χ^2/NDF:126664813902.4/42

Out: 2.336+/-0.000 χ^2/NDF:149552532262.2/49

All: 2.372+/-0.000 χ^2/NDF: 277612337279.8

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1338509.8/19

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 719036.9/24

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

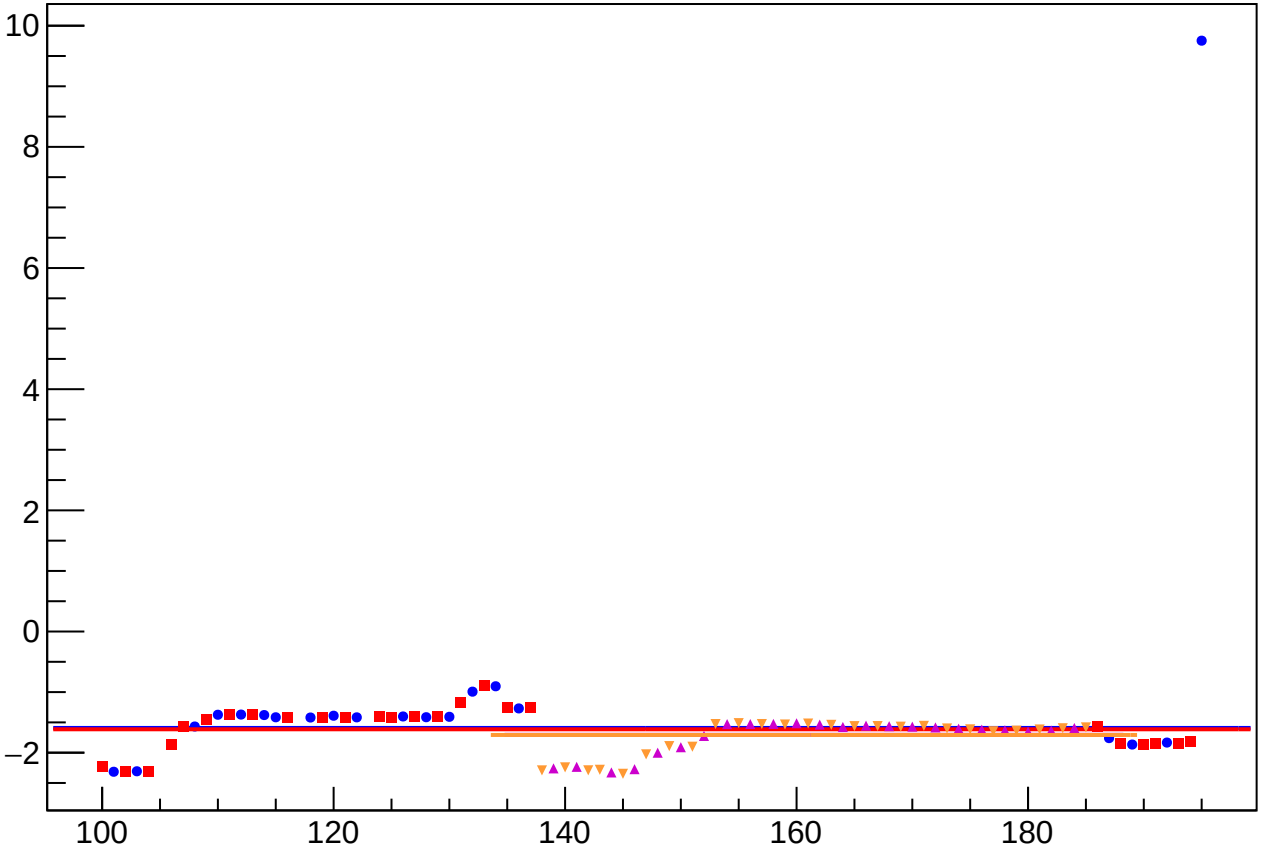
Right: 0.007+/-0.000 χ^2/NDF: 2057547.5/44

In: 0.007+/-0.000 χ^2/NDF:1668423.8/42

Out: 0.007+/-0.000 χ^2/NDF:1063703.2/49

All: 0.007+/-0.000 χ^2/NDF: 2732183.9/92

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.592+/-0.000 χ^2/NDF: 215776927862.2/19

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.614+/-0.000 χ^2/NDF: 194679373275.0/24

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

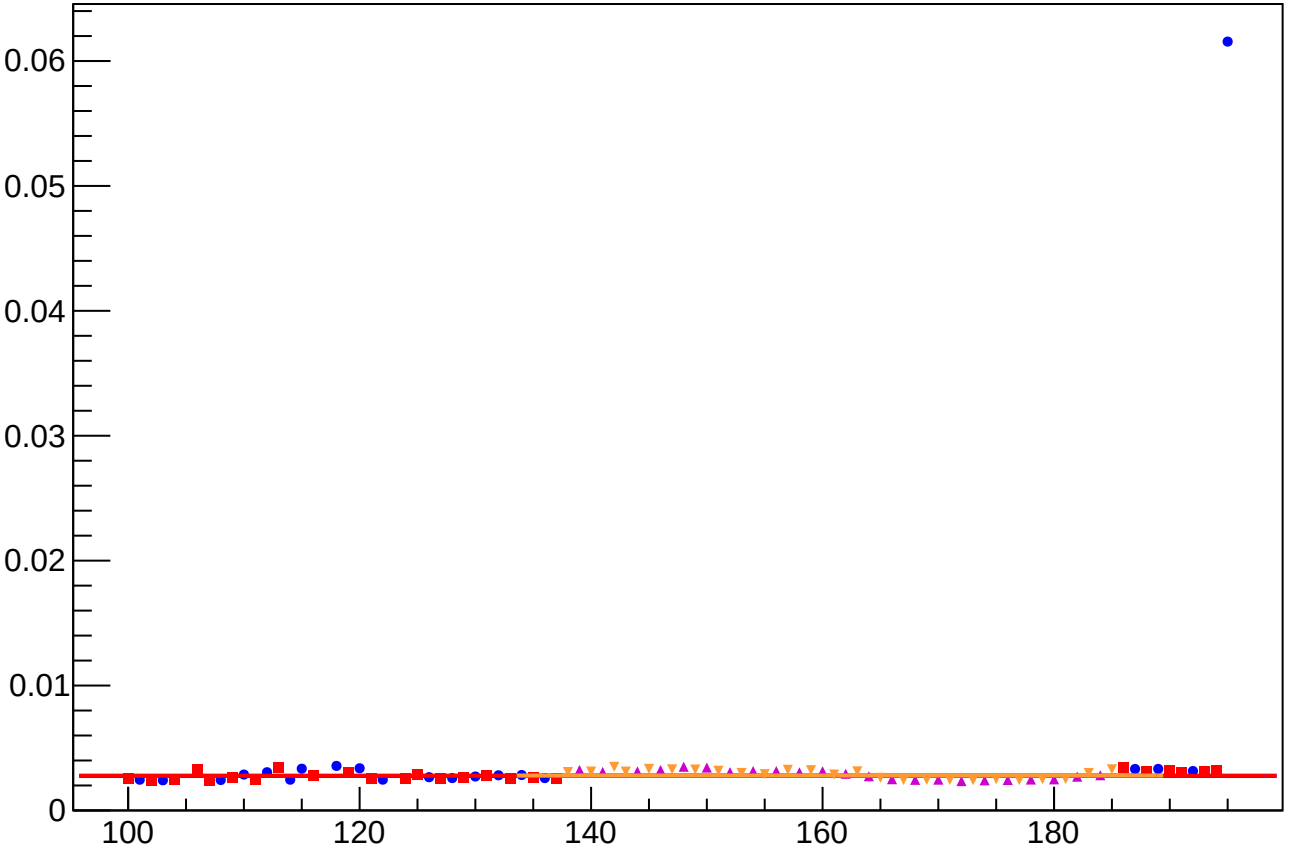
Right: -1.604+/-0.000 χ^2/NDF: 410748400333.5/44

In: -1.668+/-0.000 χ^2/NDF:361755010159.8/42

Out: -1.673+/-0.000 χ^2/NDF:353917269439.0/49

All: -1.671+/-0.000 χ^2/NDF: 715724538544.9

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1839183.5/19

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 263736.3/24

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

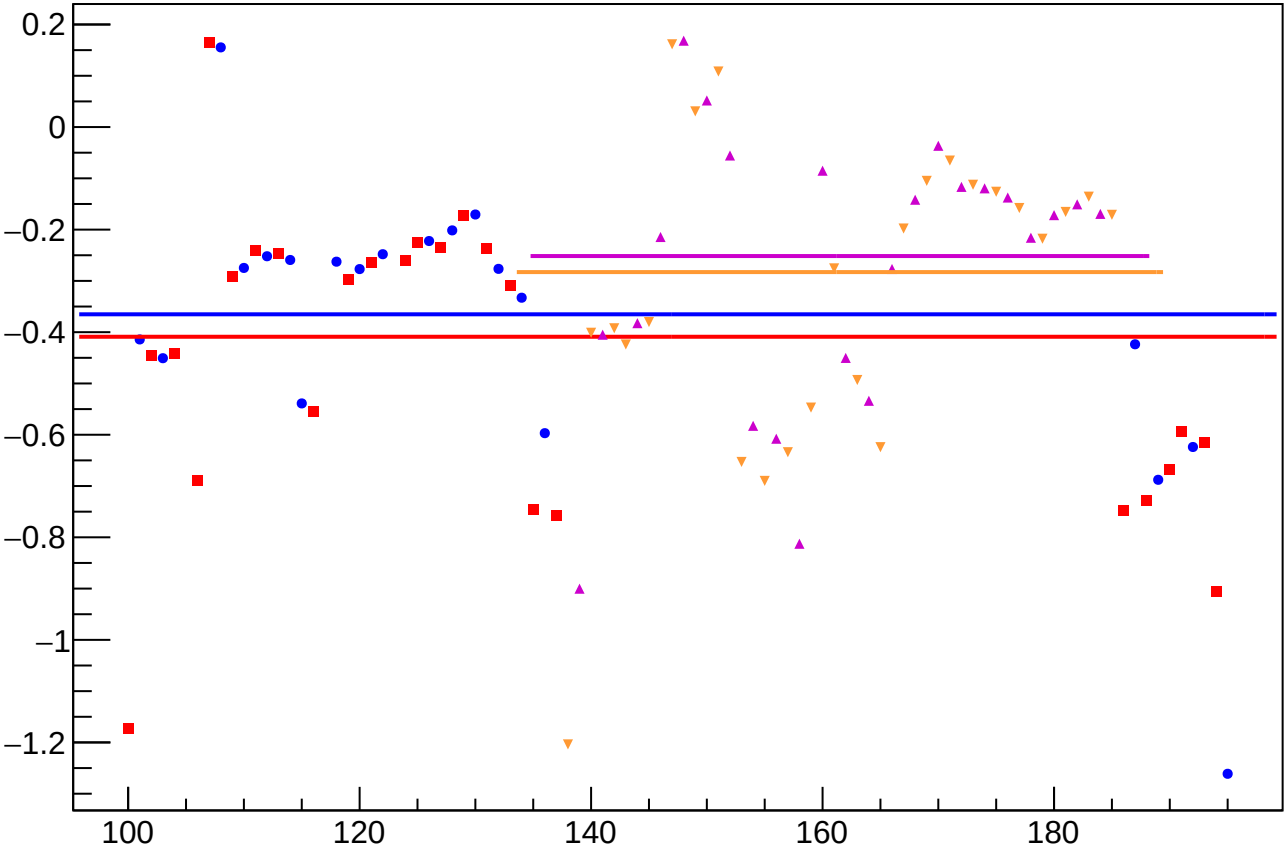
Right: 0.003+/-0.000 χ^2/NDF: 2103050.1/44

In: 0.003+/-0.000 χ^2/NDF:2396644.2/42

Out: 0.003+/-0.000 χ^2/NDF:811999.0/49

All: 0.003+/-0.000 χ^2/NDF: 3209067.0/92

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.365+/-0.000 χ^2/NDF: 4594222867.6/19

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.409+/-0.000 χ^2/NDF: 4313969497.4/24

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

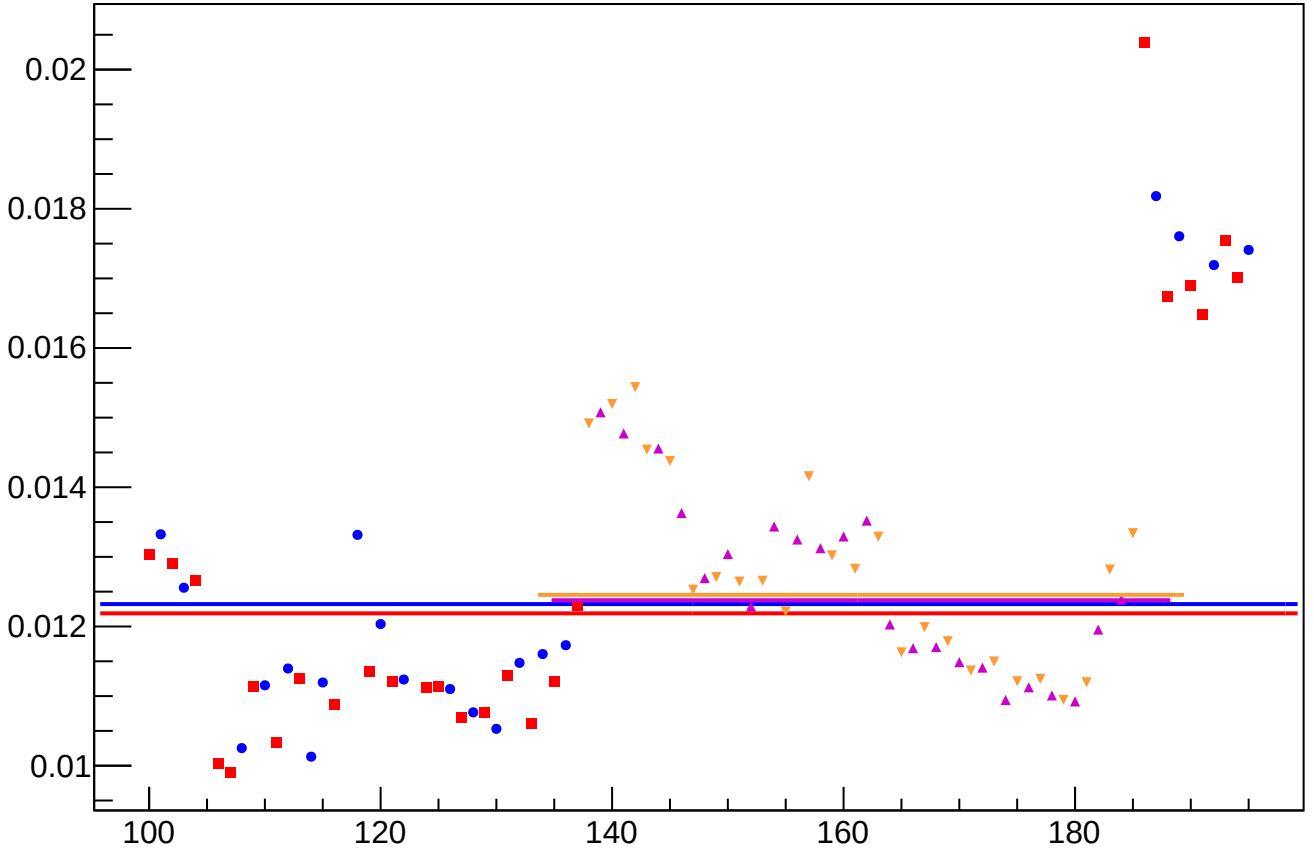
Right: -0.389+/-0.000 χ^2/NDF: 8970432115.7/44

In: -0.291+/-0.000 χ^2/NDF:12269248339.2/42

Out: -0.330+/-0.000 χ^2/NDF:14357394469.0/49

All: -0.311+/-0.000 χ^2/NDF: 26762961425.8/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 580300.3/19

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 830059.1/24

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

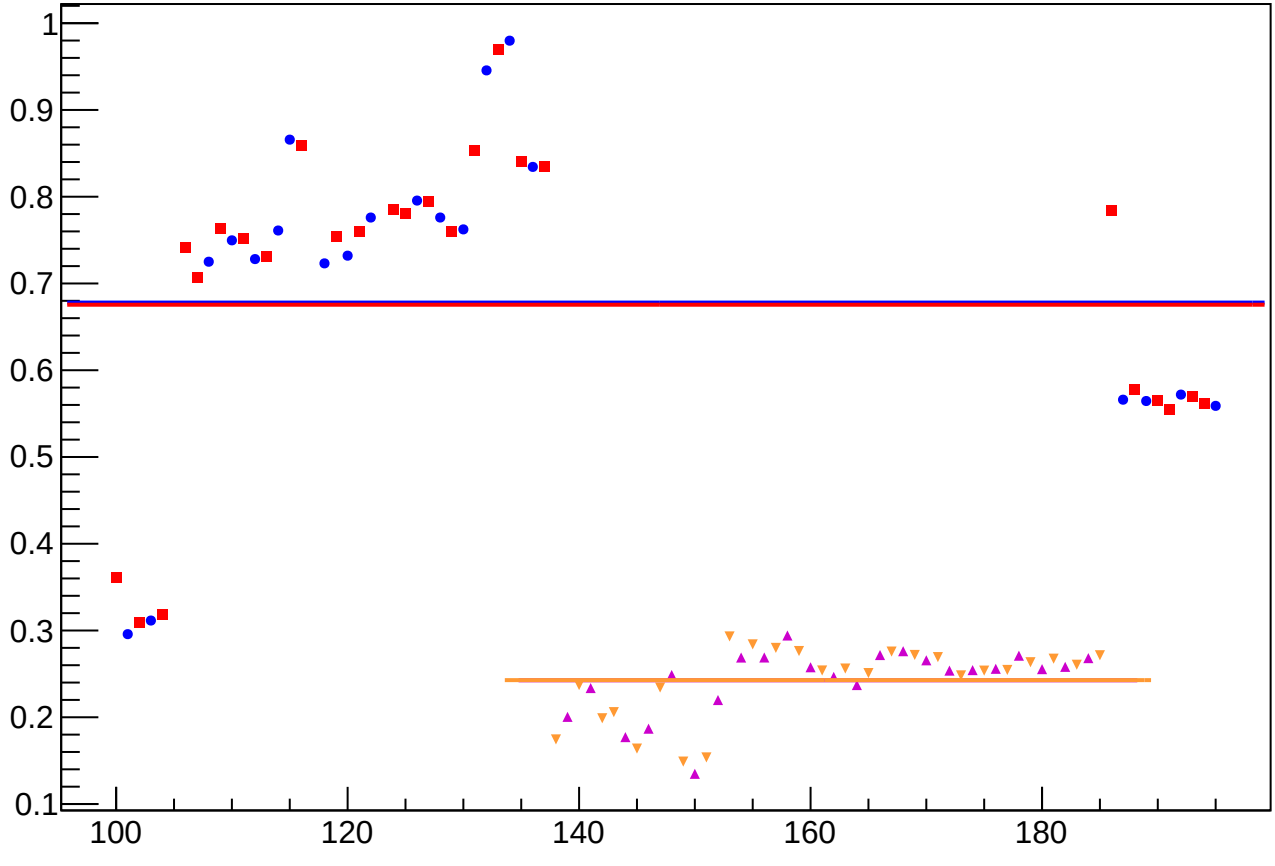
Right: 0.012+/-0.000 χ^2/NDF: 1411510.1/44

In: 0.012+/-0.000 χ^2/NDF:907471.1/42

Out: 0.012+/-0.000 χ^2/NDF:1177702.8/49

All: 0.012+/-0.000 χ^2/NDF: 2085175.7/92

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678+/-0.000 χ^2/NDF: 54036125747.4/19

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.676+/-0.000 χ^2/NDF: 51084067879.1/24

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

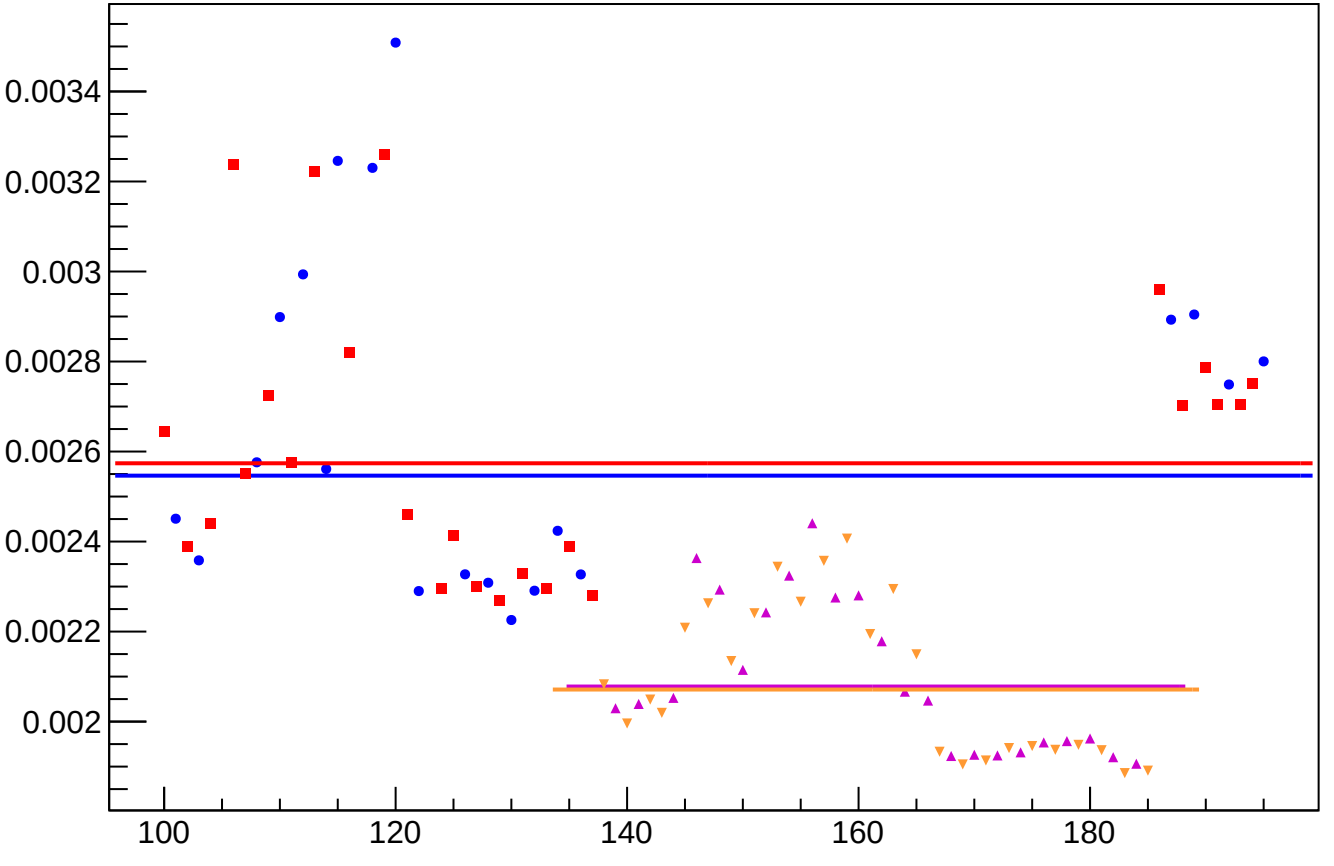
Right: 0.677+/-0.000 χ^2/NDF: 105124751480.1/44

In: 0.353+/-0.000 χ^2/NDF:261887415527.3/42

Out: 0.357+/-0.000 χ^2/NDF:278170412018.0/49

All: 0.355+/-0.000 χ^2/NDF: 540095681832.8

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 264675.5/19

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 222828.4/24

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

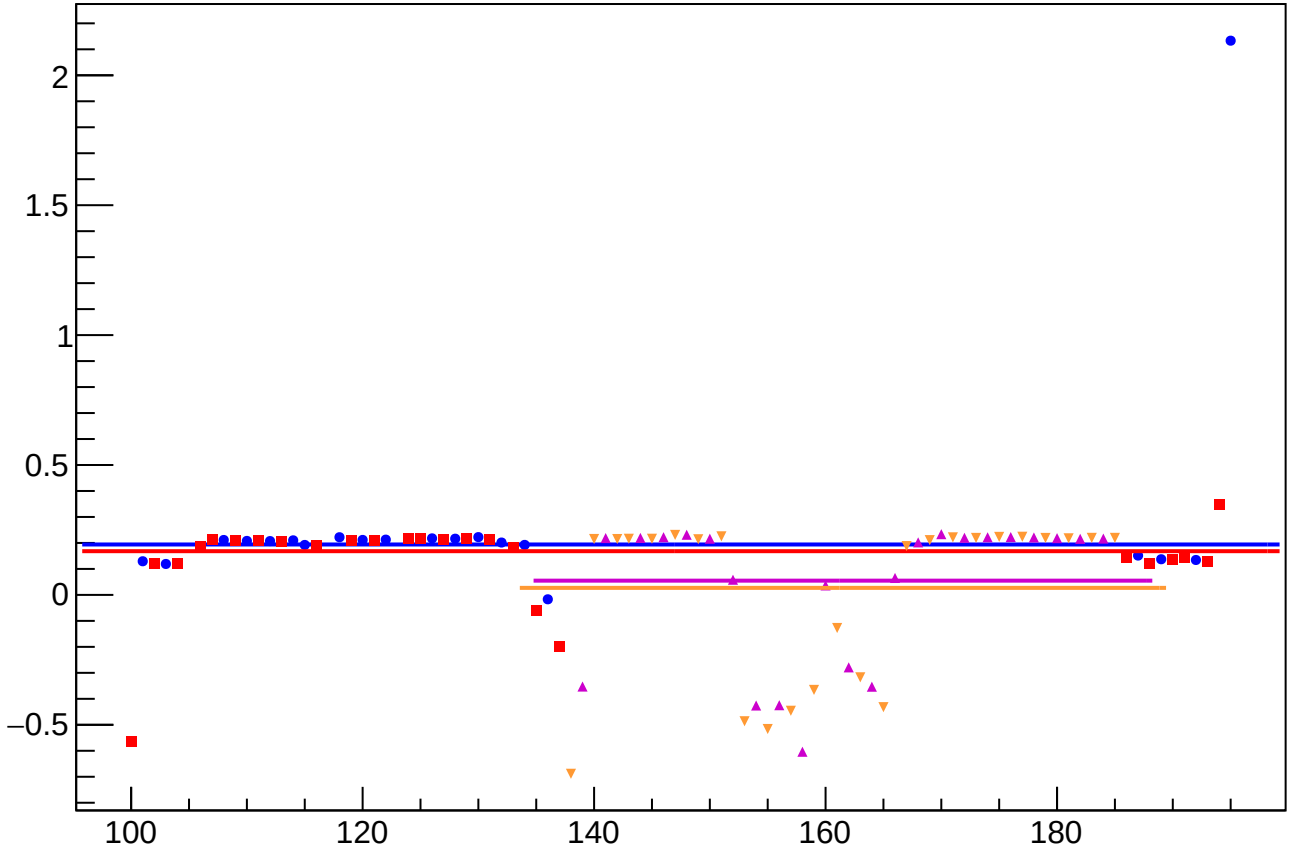
Right: 0.003+/-0.000 χ^2/NDF: 488643.7/44

In: 0.002+/-0.000 χ^2/NDF:944261.1/42

Out: 0.002+/-0.000 χ^2/NDF:1049924.5/49

All: 0.002+/-0.000 χ^2/NDF: 1994451.6/92

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.194+/-0.000 χ^2/NDF: 3913340146.4/19

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.168+/-0.000 χ^2/NDF: 1008667764.1/24

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

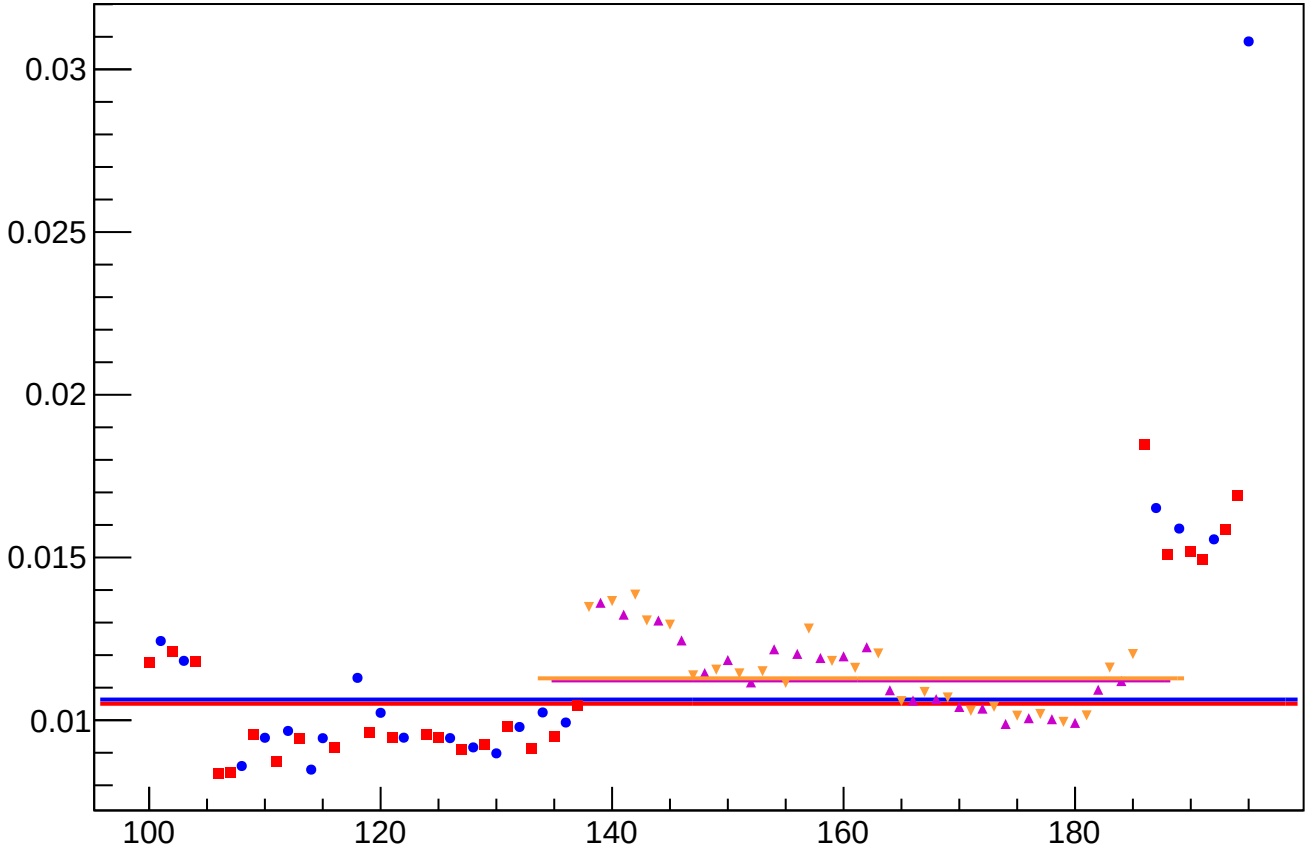
Right: 0.180+/-0.000 χ^2/NDF: 4950196694.6/44

In: 0.105+/-0.000 χ^2/NDF:14580555818.0/42

Out: 0.082+/-0.000 χ^2/NDF:15106185106.5/49

All: 0.093+/-0.000 χ^2/NDF: 29744860997.1/9

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 1328876.4/19

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 1114187.5/24

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

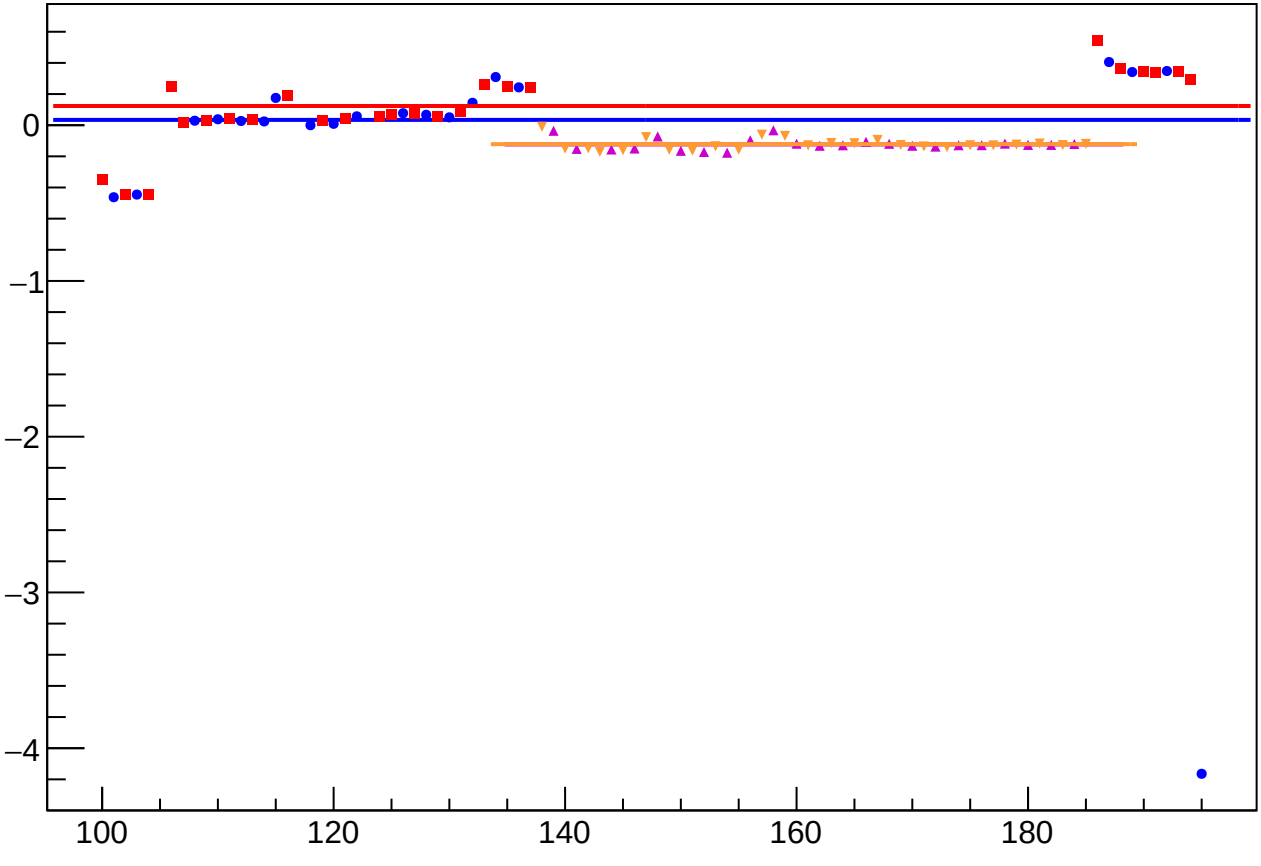
Right: 0.011+/-0.000 χ^2/NDF: 2444478.5/44

In: 0.011+/-0.000 χ^2/NDF:1678463.5/42

Out: 0.011+/-0.000 χ^2/NDF:1511148.4/49

All: 0.011+/-0.000 χ^2/NDF: 3189815.1/92

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 60485904202.6/19

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.123+/-0.000 χ^2/NDF: 44360981988.0/24

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

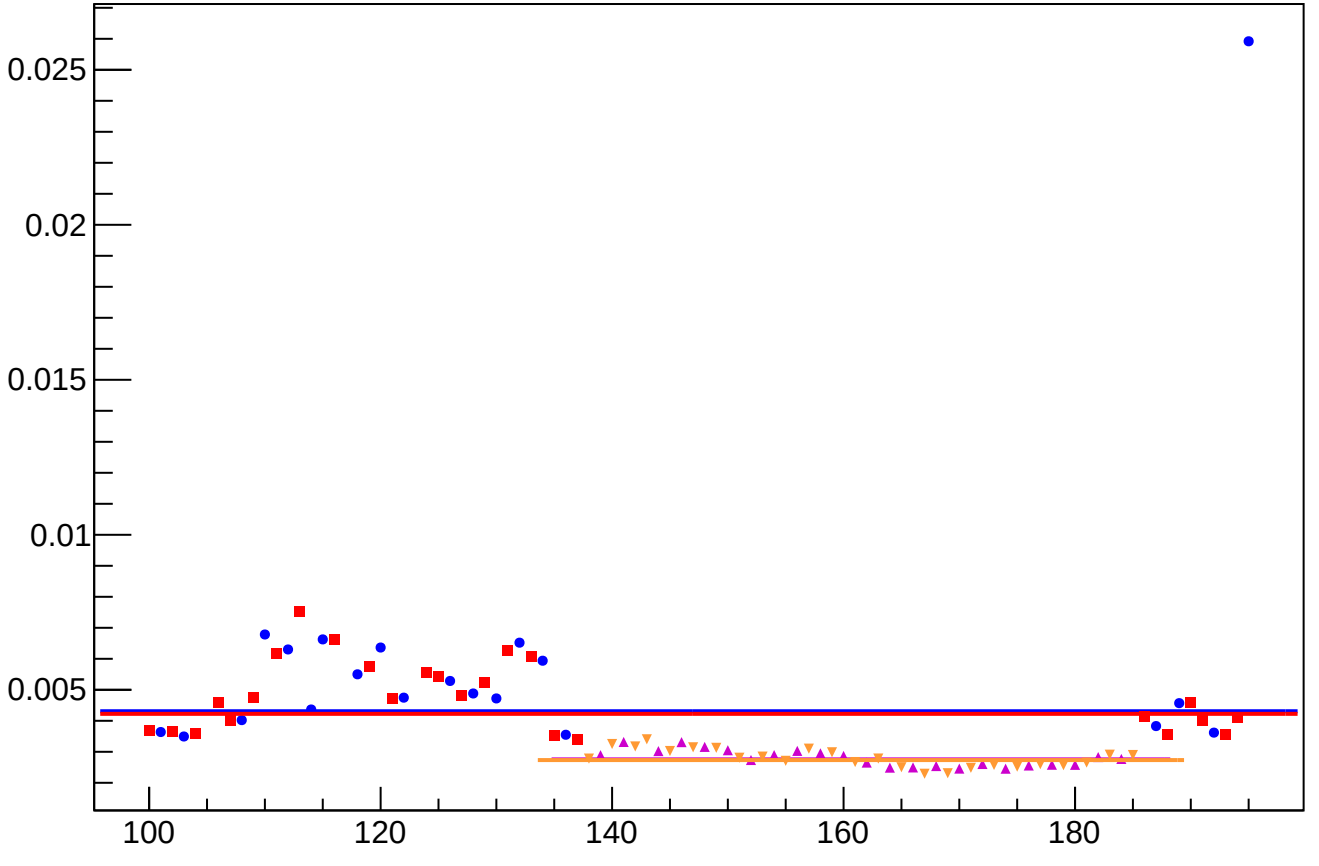
Right: 0.084+/-0.000 χ^2/NDF: 106746140675.8/44

In: -0.099+/-0.000 χ^2/NDF:72255665916.4/42

Out: -0.078+/-0.000 χ^2/NDF:73811178245.2/49

All: -0.088+/-0.000 χ^2/NDF: 146699092276.0

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1958329.0/19

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 872490.9/24

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

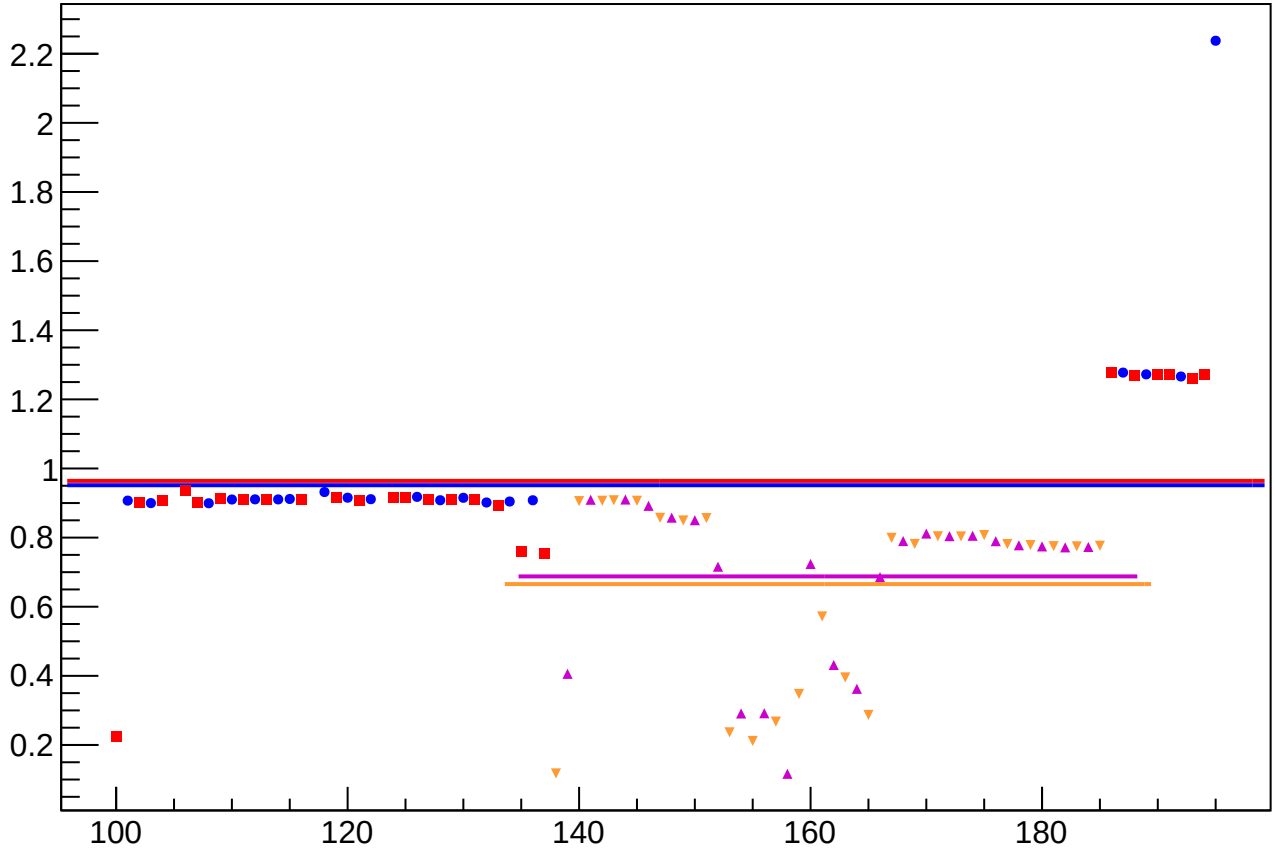
Right: 0.004+/-0.000 χ^2/NDF: 2834200.6/44

In: 0.003+/-0.000 χ^2/NDF:3987714.4/42

Out: 0.003+/-0.000 χ^2/NDF:3228846.8/49

All: 0.003+/-0.000 χ^2/NDF: 7216561.2/92

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.952+/-0.000 χ^2/NDF: 883323620.2/19

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.964+/-0.000 χ^2/NDF: 2038090583.5/24

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

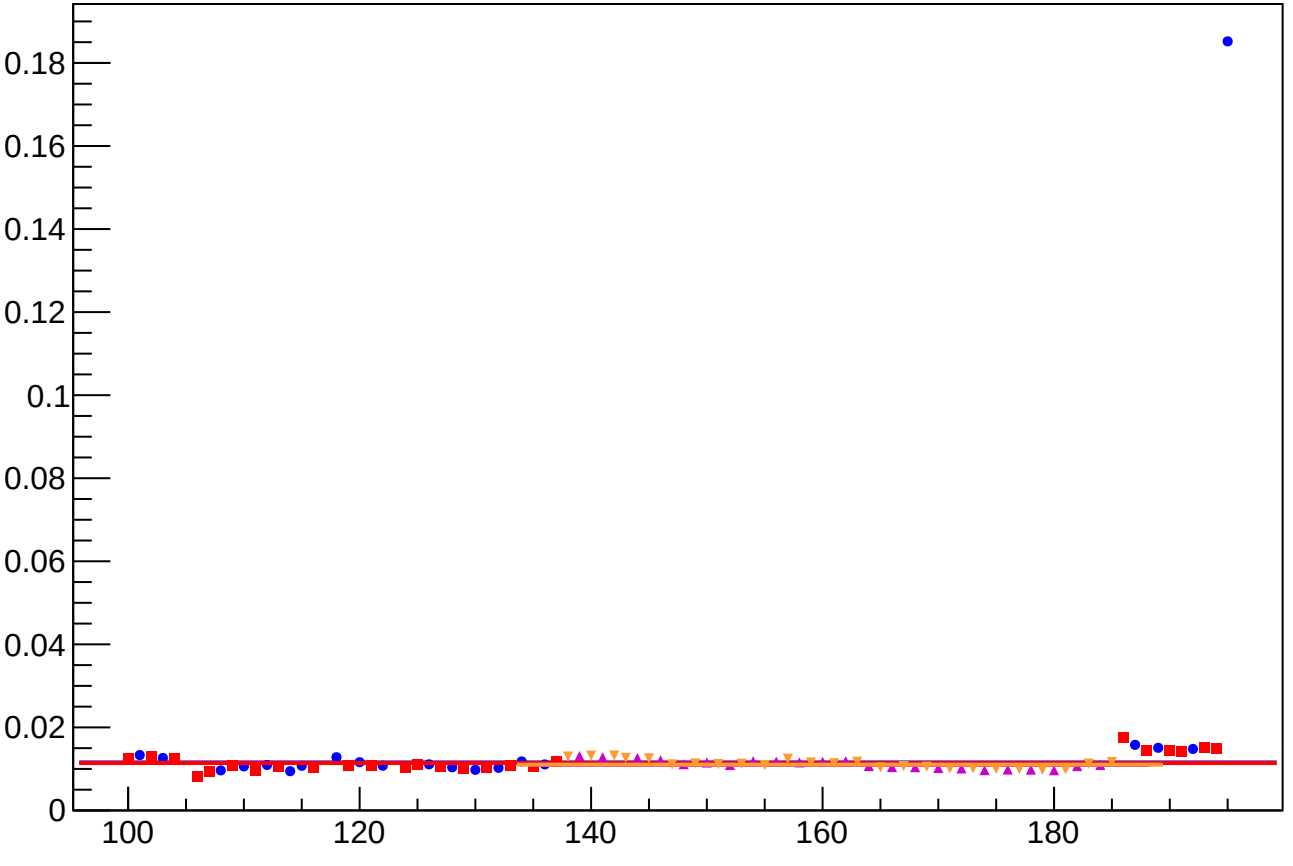
Right: 0.959+/-0.000 χ^2/NDF: 2927040222.2/44

In: 0.768+/-0.000 χ^2/NDF:10965081259.9/42

Out: 0.768+/-0.000 χ^2/NDF:15880395809.5/49

All: 0.768+/-0.000 χ^2/NDF: 26845488481.6/9

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1876961.2/19

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 610656.3/24

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

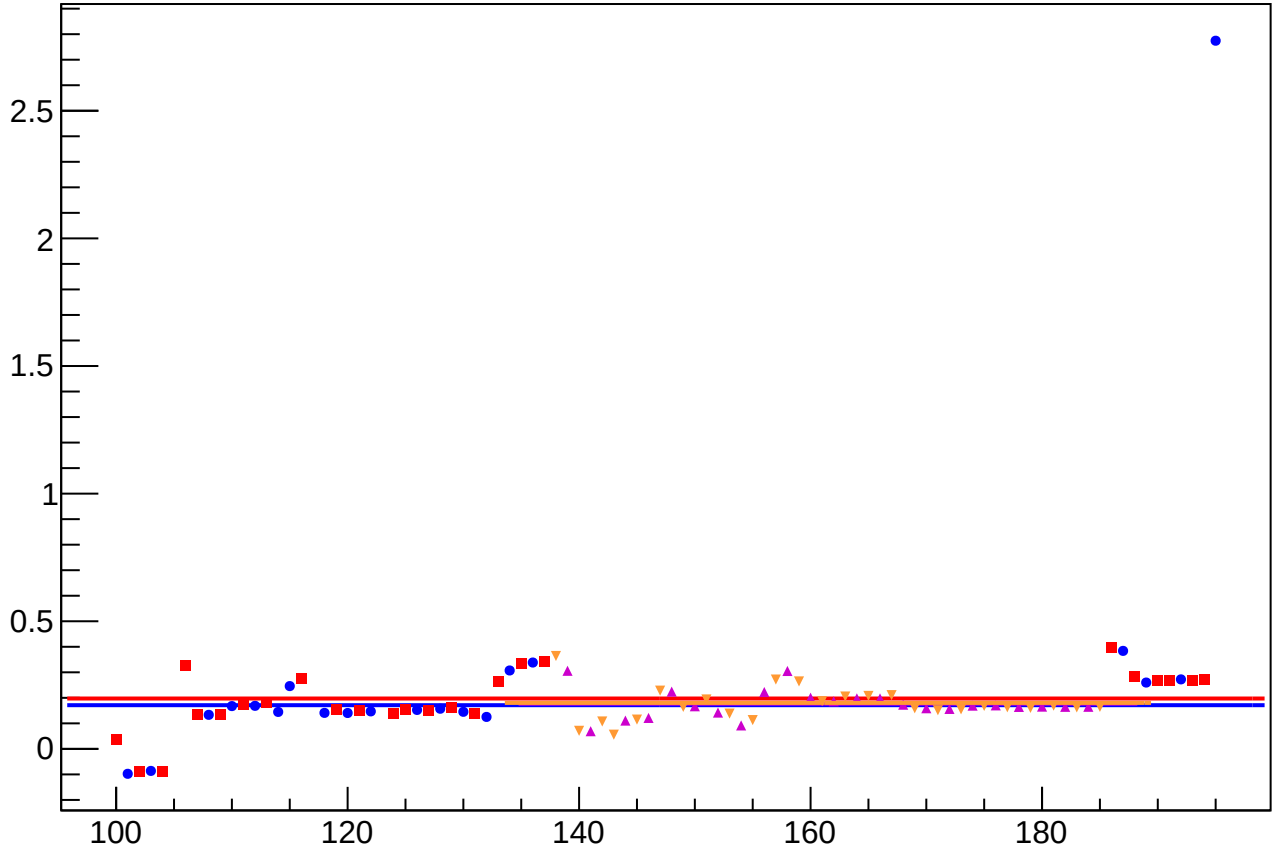
Right: 0.011+/-0.000 χ^2/NDF: 2489009.6/44

In: 0.011+/-0.000 χ^2/NDF:2195771.1/42

Out: 0.011+/-0.000 χ^2/NDF:925792.9/49

All: 0.011+/-0.000 χ^2/NDF: 3121620.6/92

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.171+/-0.000 χ^2/NDF: 9293383151.0/19

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.197+/-0.000 χ^2/NDF: 9398218742.6/24

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

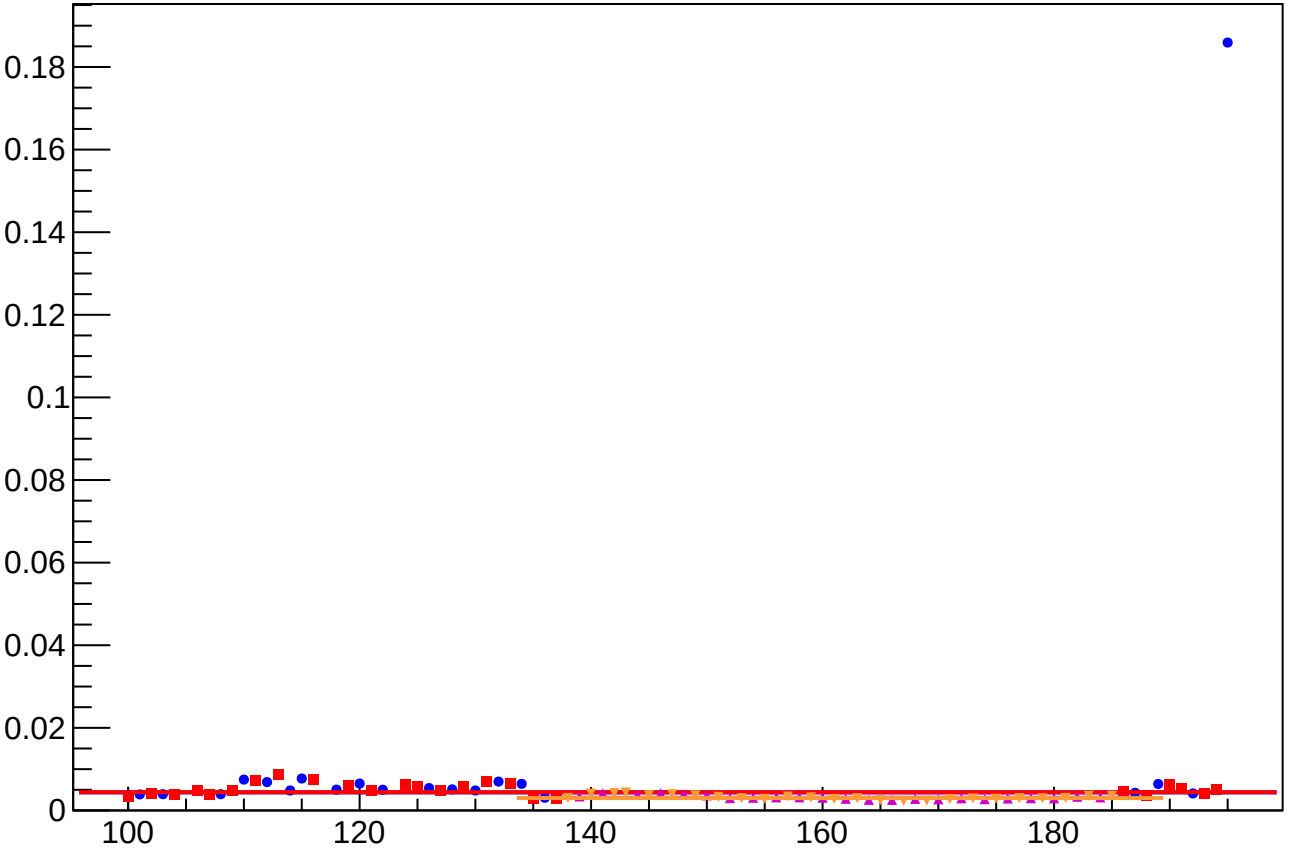
Right: 0.185+/-0.000 χ^2/NDF: 18833960660.9/44

In: 0.176+/-0.000 χ^2/NDF:13925593185.8/42

Out: 0.183+/-0.000 χ^2/NDF:15957387579.9/49

All: 0.180+/-0.000 χ^2/NDF: 29942551705.3/9

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 2662230.5/19

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1253845.6/24

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

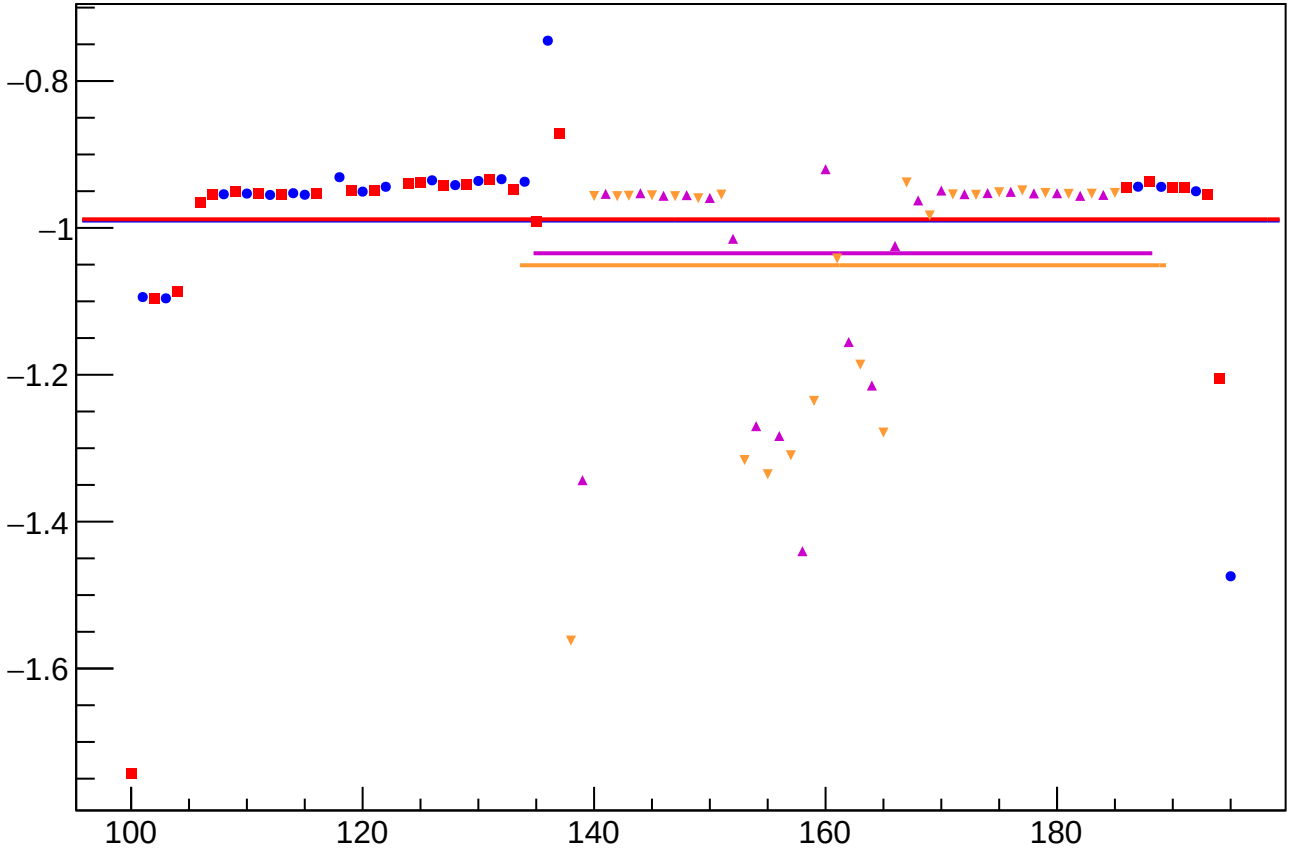
Right: 0.004+/-0.000 χ^2/NDF: 3917281.9/44

In: 0.003+/-0.000 χ^2/NDF:4306010.9/42

Out: 0.003+/-0.000 χ^2/NDF:3643862.2/49

All: 0.003+/-0.000 χ^2/NDF: 7952162.6/92

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.990+/-0.000 χ^2/NDF: 1706277253.1/19

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.988+/-0.000 χ^2/NDF: 760459713.9/24

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

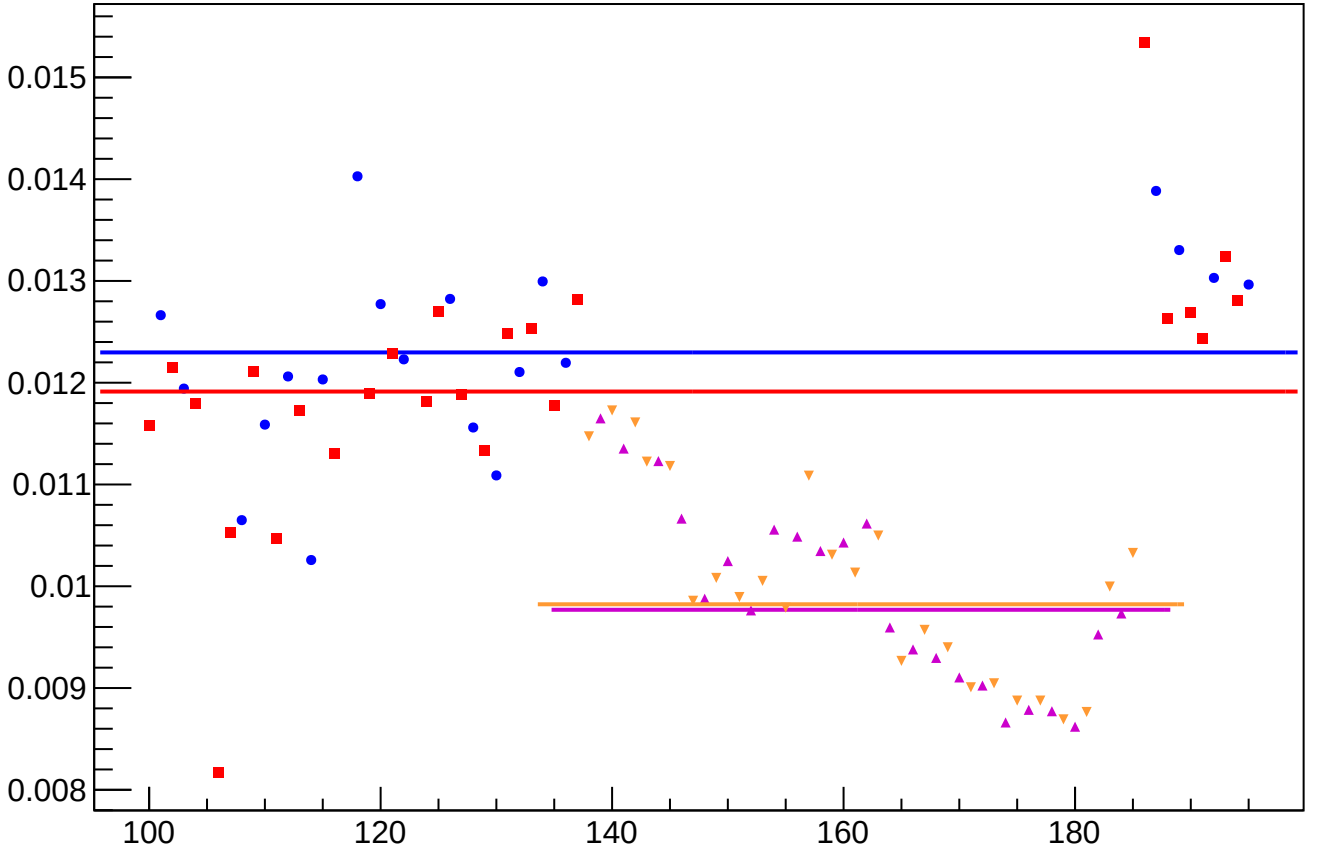
Right: -0.989+/-0.000 χ^2/NDF: 2466832099.6/44

In: -1.023+/-0.000 χ^2/NDF:5724000241.4/42

Out: -1.033+/-0.000 χ^2/NDF:6054233454.4/49

All: -1.028+/-0.000 χ^2/NDF: 11790775708.5/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 89342.3/19

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 241092.2/24

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

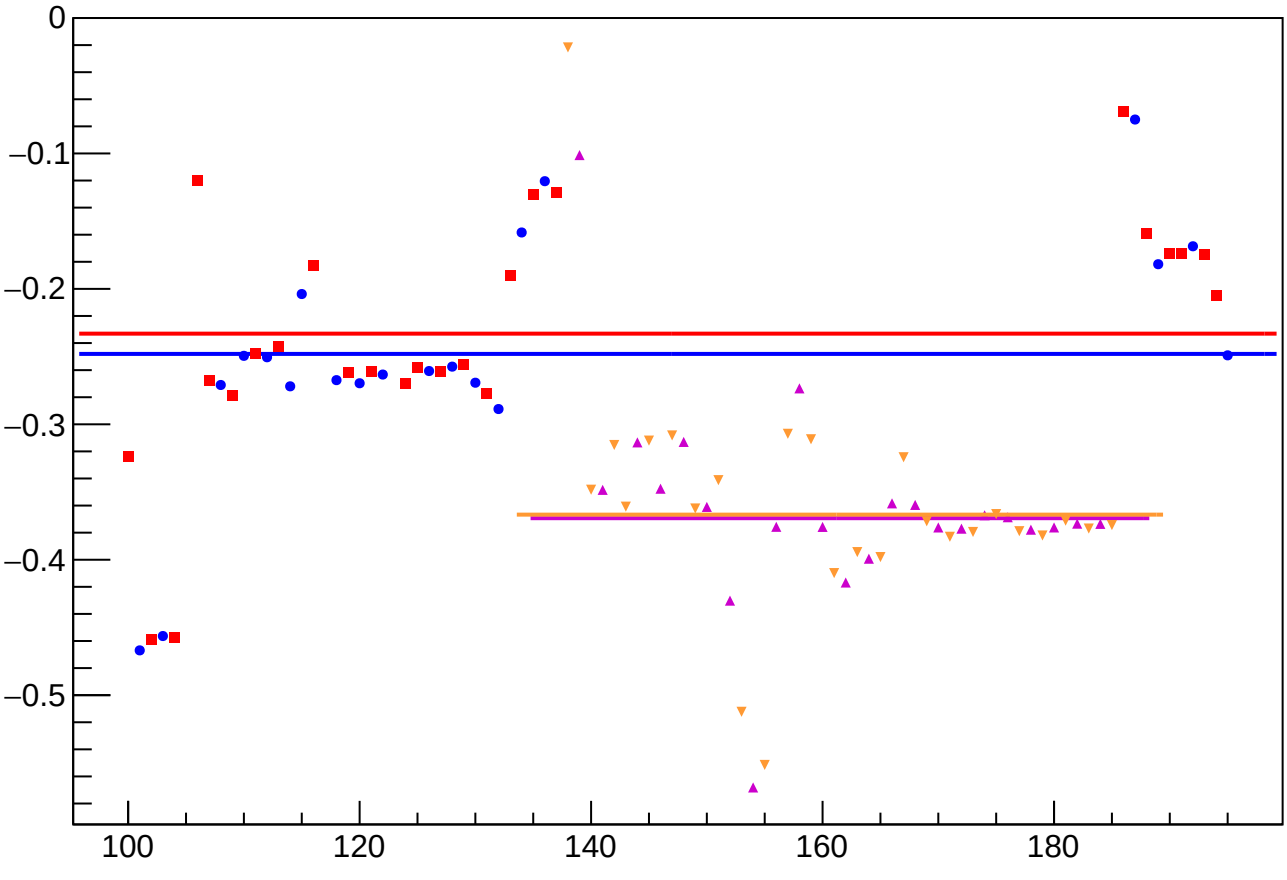
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 340471.0/44

In: 0.010+/-0.000 χ^2/NDF:963139.4/42

Out: 0.010+/-0.000 χ^2/NDF:1007450.2/49

All: 0.010+/-0.000 χ^2/NDF: 1970601.5/92



Right In: -0.248+/-0.000 χ^2/NDF: 6890714162.4/19

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.233+/-0.000 χ^2/NDF: 6659405652.4/24

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

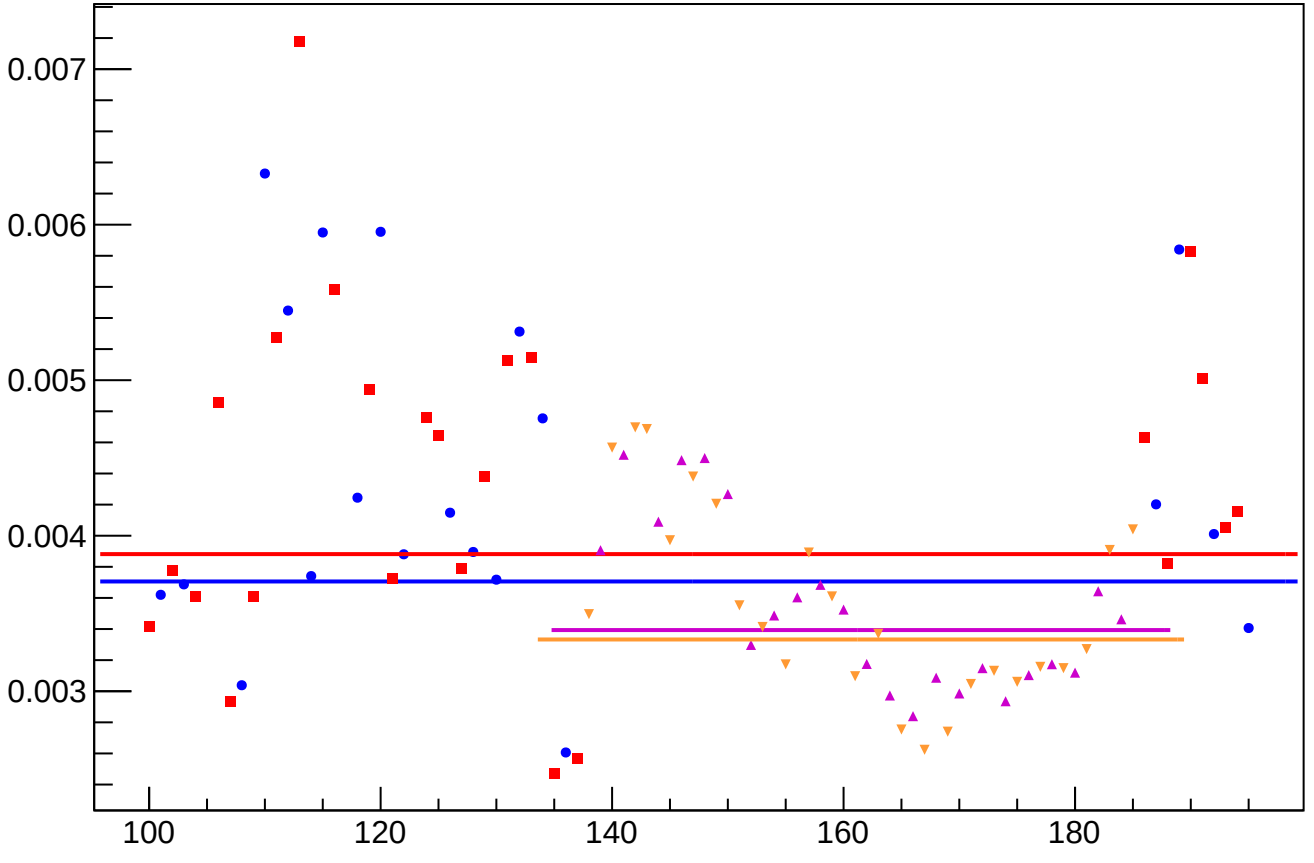
Right: -0.240+/-0.000 χ^2/NDF: 13617898917.6/44

In: -0.334+/-0.000 χ^2/NDF:20637849174.7/42

Out: -0.329+/-0.000 χ^2/NDF:26560874569.2/49

All: -0.331+/-0.000 χ^2/NDF: 47225498346.2/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 894766.9/19

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1035651.2/24

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

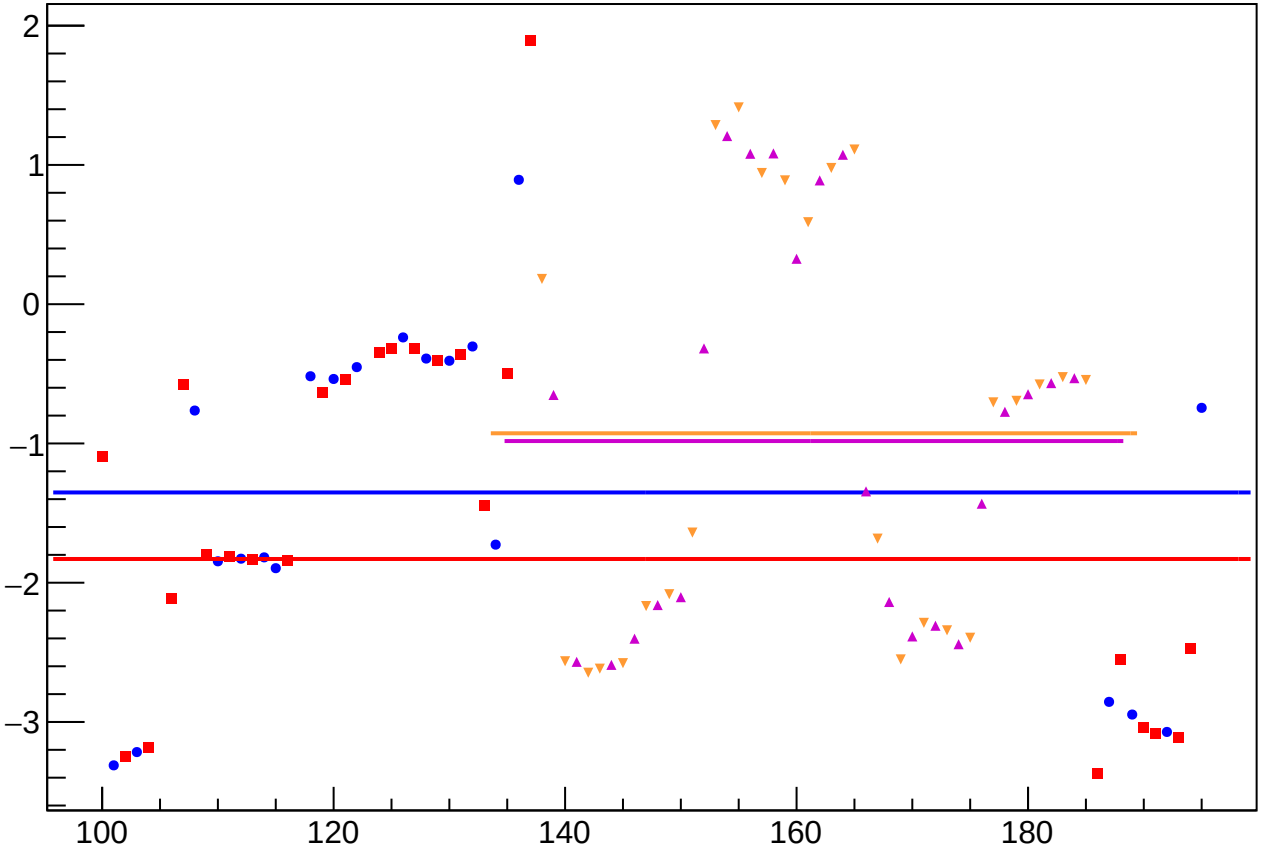
Right: 0.004+/-0.000 χ^2/NDF: 1949156.4/44

In: 0.003+/-0.000 χ^2/NDF:1610211.1/42

Out: 0.003+/-0.000 χ^2/NDF:2161891.4/49

All: 0.003+/-0.000 χ^2/NDF: 3772126.6/92

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.352+/-0.000 χ^2/NDF: 3367252168.4/19

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.830+/-0.000 χ^2/NDF: 3018147609.1/24

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

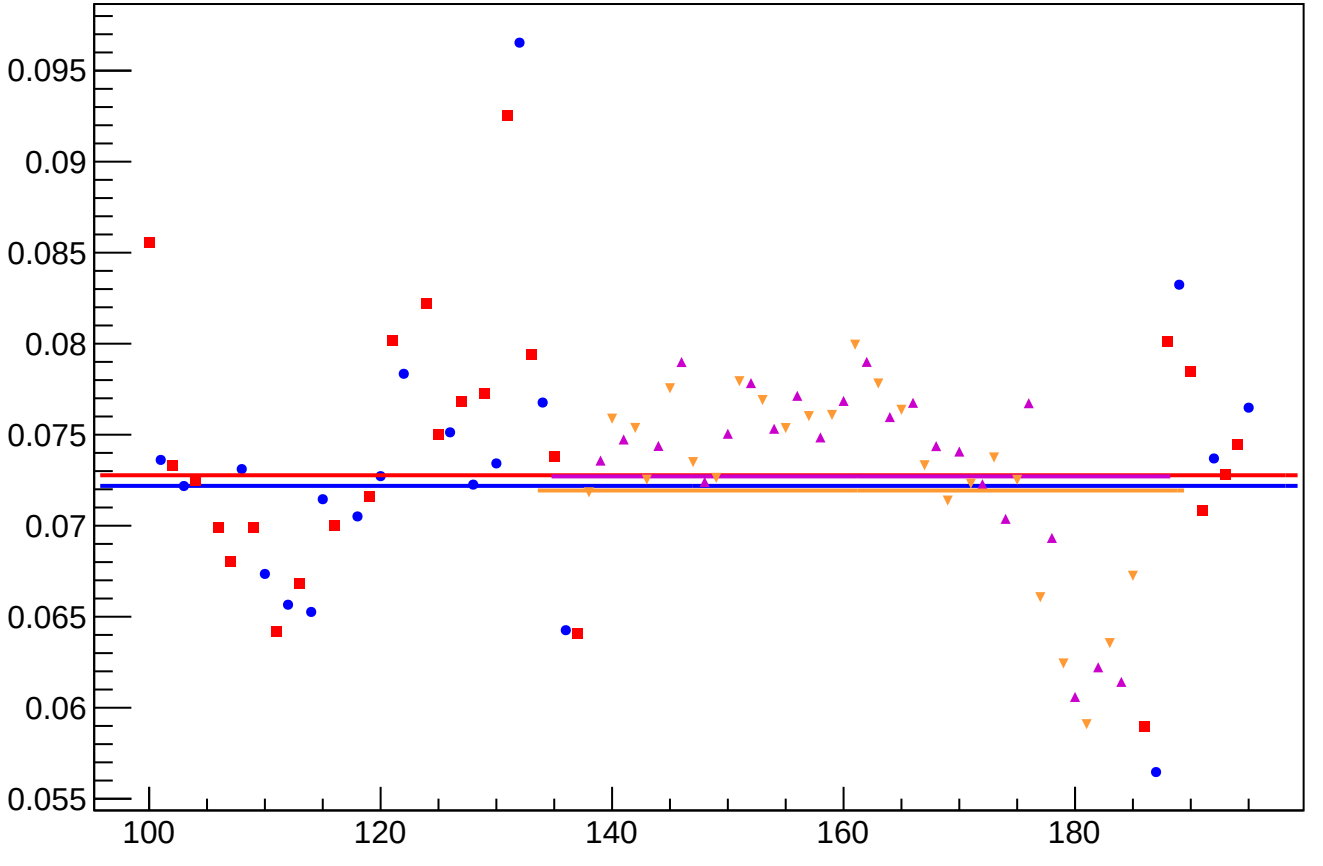
Right: -1.604+/-0.000 χ^2/NDF: 6605639394.5/44

In: -1.112+/-0.000 χ^2/NDF:9447848321.0/42

Out: -1.250+/-0.000 χ^2/NDF:11336938947.7/49

All: -1.184+/-0.000 χ^2/NDF: 20837010156.6/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 154012.9/19

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.073+/-0.000 χ^2/NDF: 161335.9/24

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

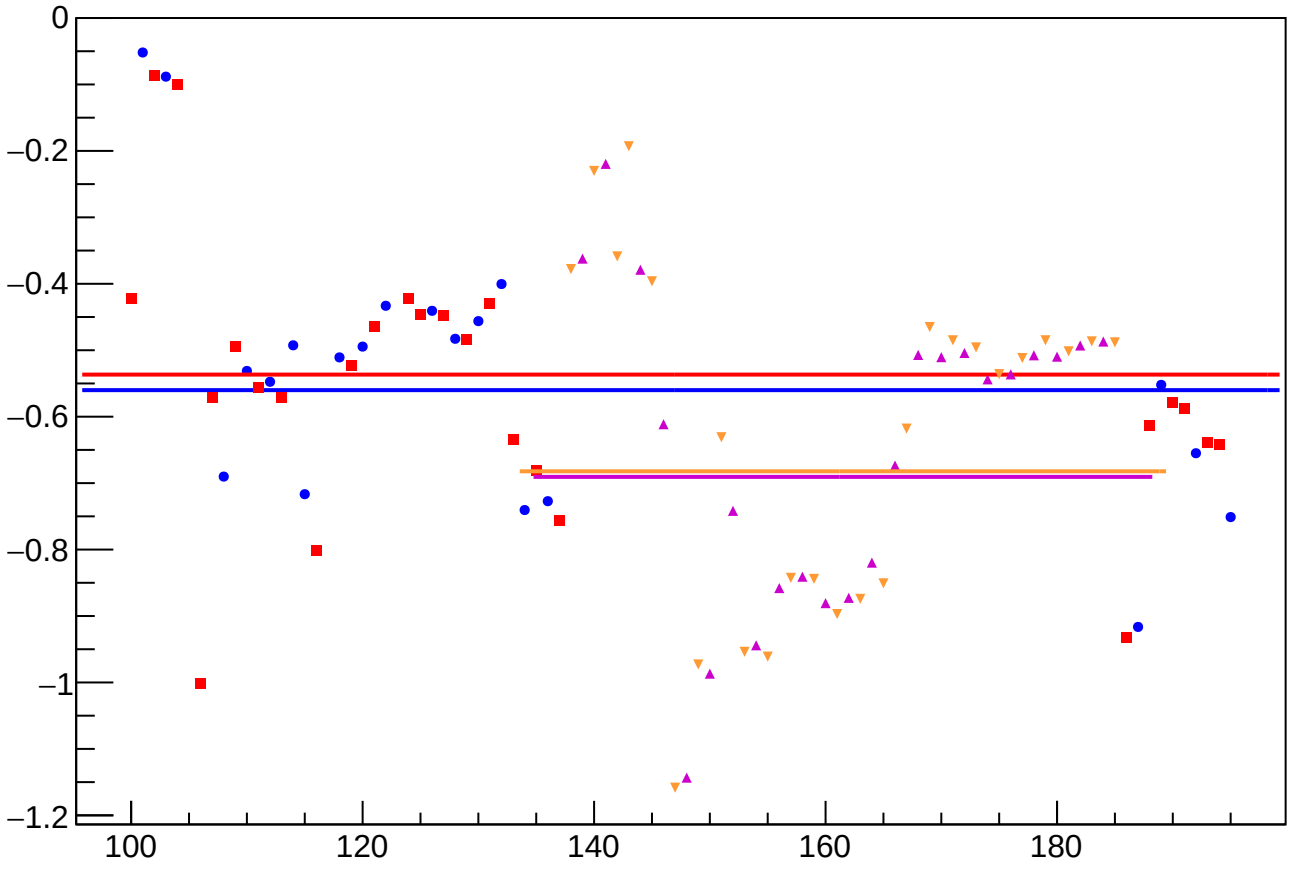
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.072+/-0.000 χ^2/NDF: 316005.8/44

In: 0.073+/-0.000 χ^2/NDF:351666.4/42

Out: 0.072+/-0.000 χ^2/NDF:398711.6/49

All: 0.072+/-0.000 χ^2/NDF: 750843.8/92



Right In: -0.560+/-0.000 χ^2/NDF: 5162603655.5/19

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.537+/-0.000 χ^2/NDF: 4528732796.0/24

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

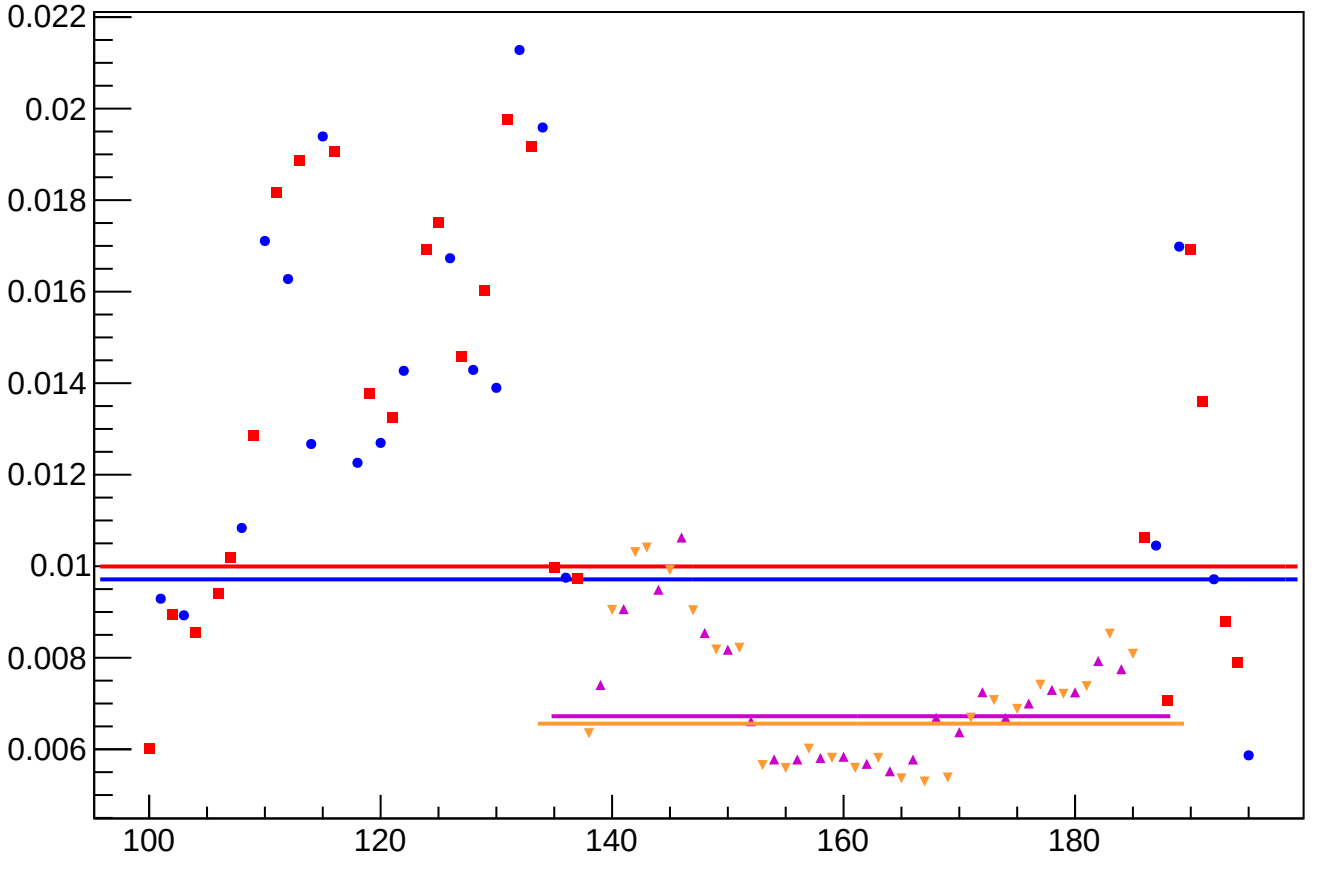
Right: -0.548+/-0.000 χ^2/NDF: 9714683493.7/44

In: -0.667+/-0.000 χ^2/NDF:23182023610.0/42

Out: -0.656+/-0.000 χ^2/NDF:27886416178.4/49

All: -0.661+/-0.000 χ^2/NDF: 51093644892.9/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 2029161.0/19

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1909565.4/24

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

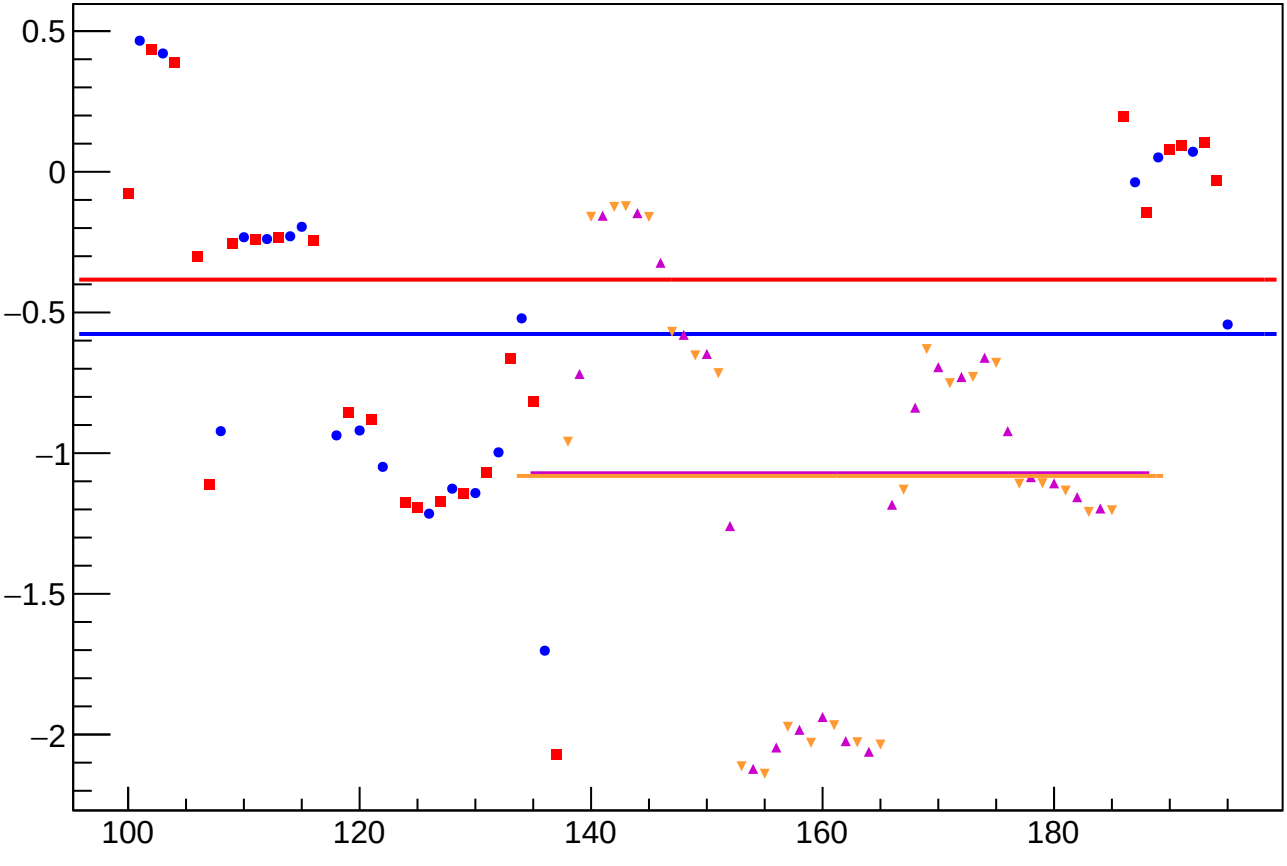
Right: 0.010+/-0.000 χ^2/NDF: 3945526.6/44

In: 0.007+/-0.000 χ^2/NDF:4199005.0/42

Out: 0.007+/-0.000 χ^2/NDF:5022678.6/49

All: 0.007+/-0.000 χ^2/NDF: 9226346.8/92

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.576+/-0.000 χ^2/NDF: 537715311.1/19

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.383+/-0.000 χ^2/NDF: 468365345.0/24

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

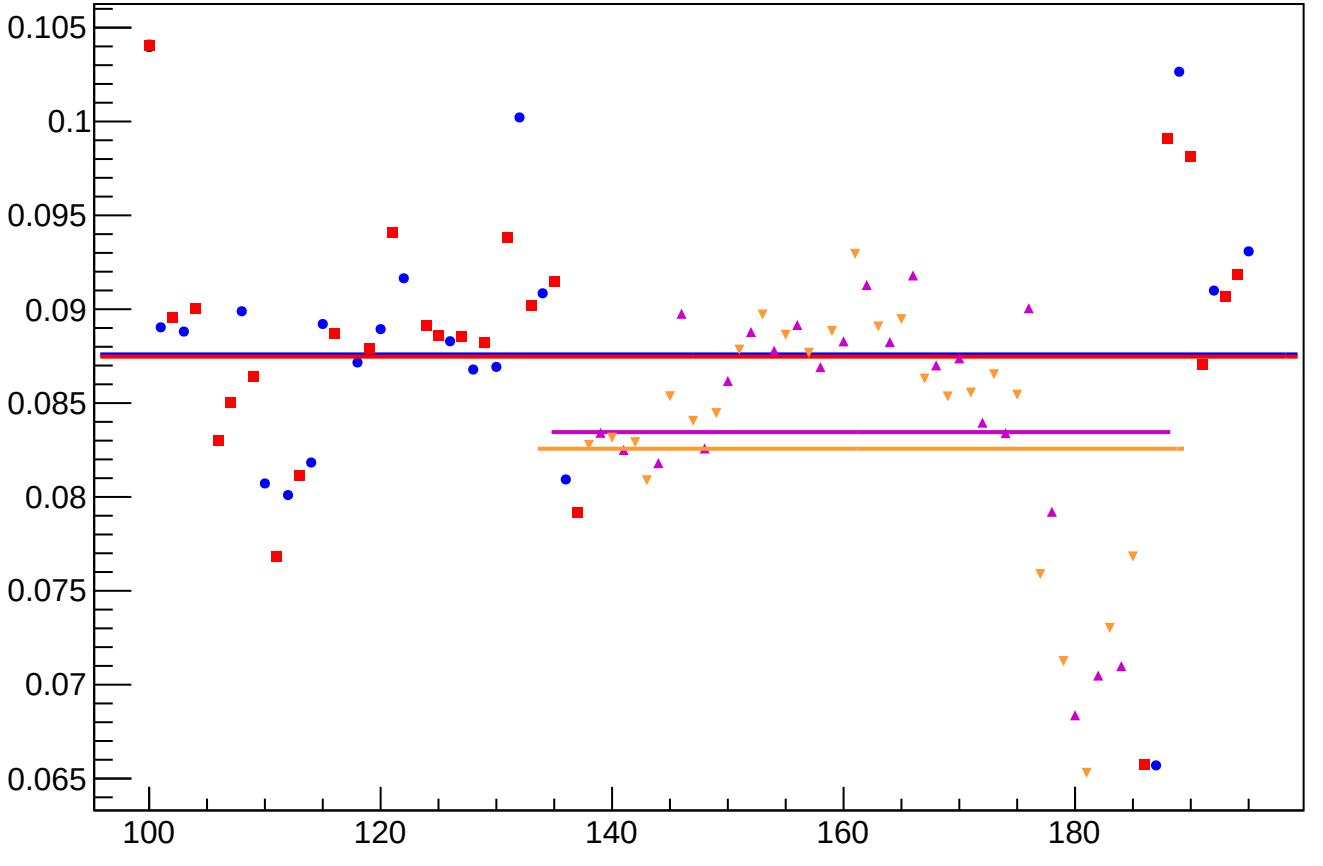
Right: -0.474+/-0.000 χ^2/NDF: 1031177018.8/44

In: -0.910+/-0.000 χ^2/NDF:1721683804.2/42

Out: -0.844+/-0.000 χ^2/NDF:2083445386.5/49

All: -0.875+/-0.000 χ^2/NDF: 3813756354.2/9

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088+/-0.000 χ^2/NDF: 117651.1/19

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 175795.5/24

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

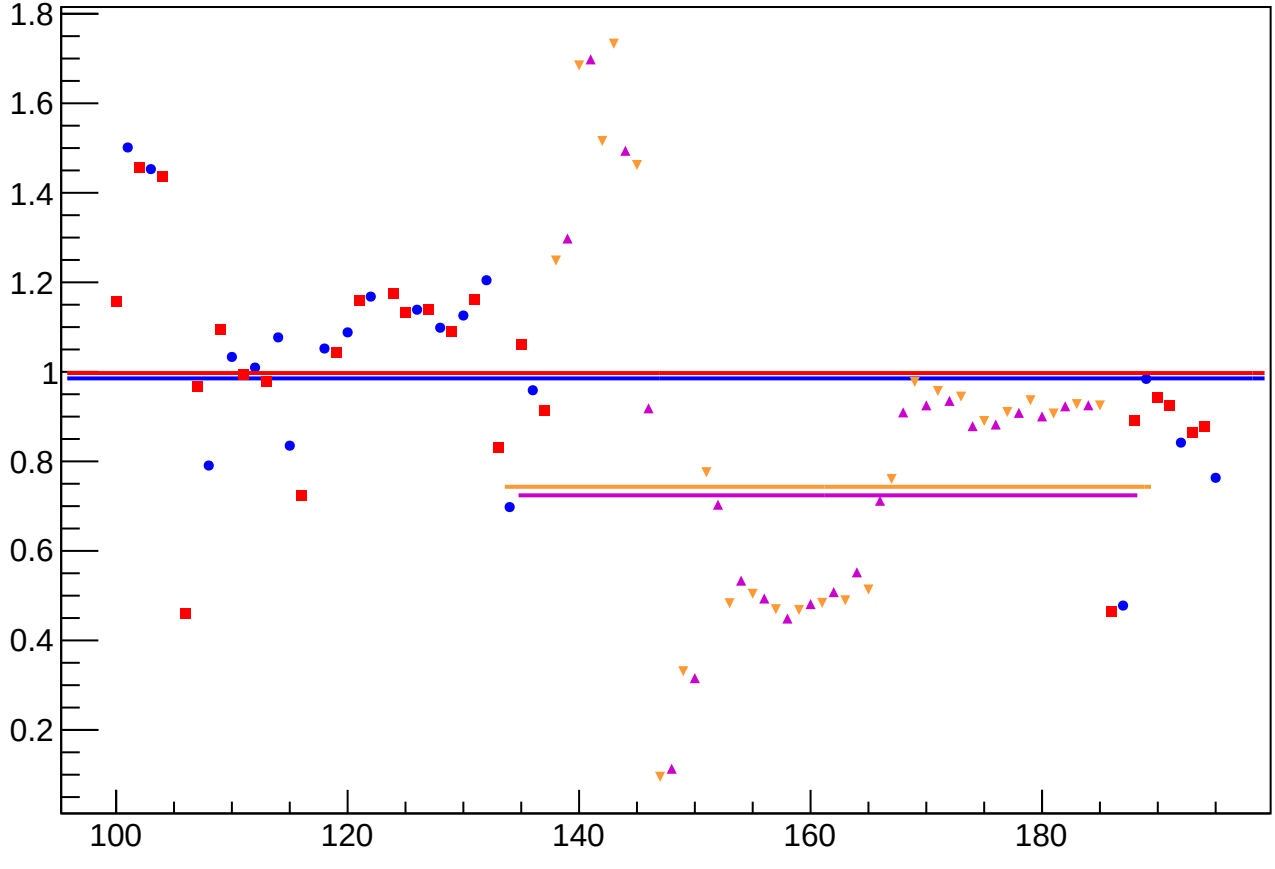
Right: 0.088+/-0.000 χ^2/NDF: 293466.0/44

In: 0.085+/-0.000 χ^2/NDF:385153.2/42

Out: 0.084+/-0.000 χ^2/NDF:512679.7/49

All: 0.085+/-0.000 χ^2/NDF: 899180.0/92

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 0.985+/-0.000 χ^2/NDF: 2917848106.9/19

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.997+/-0.000 χ^2/NDF: 2758836720.9/24

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

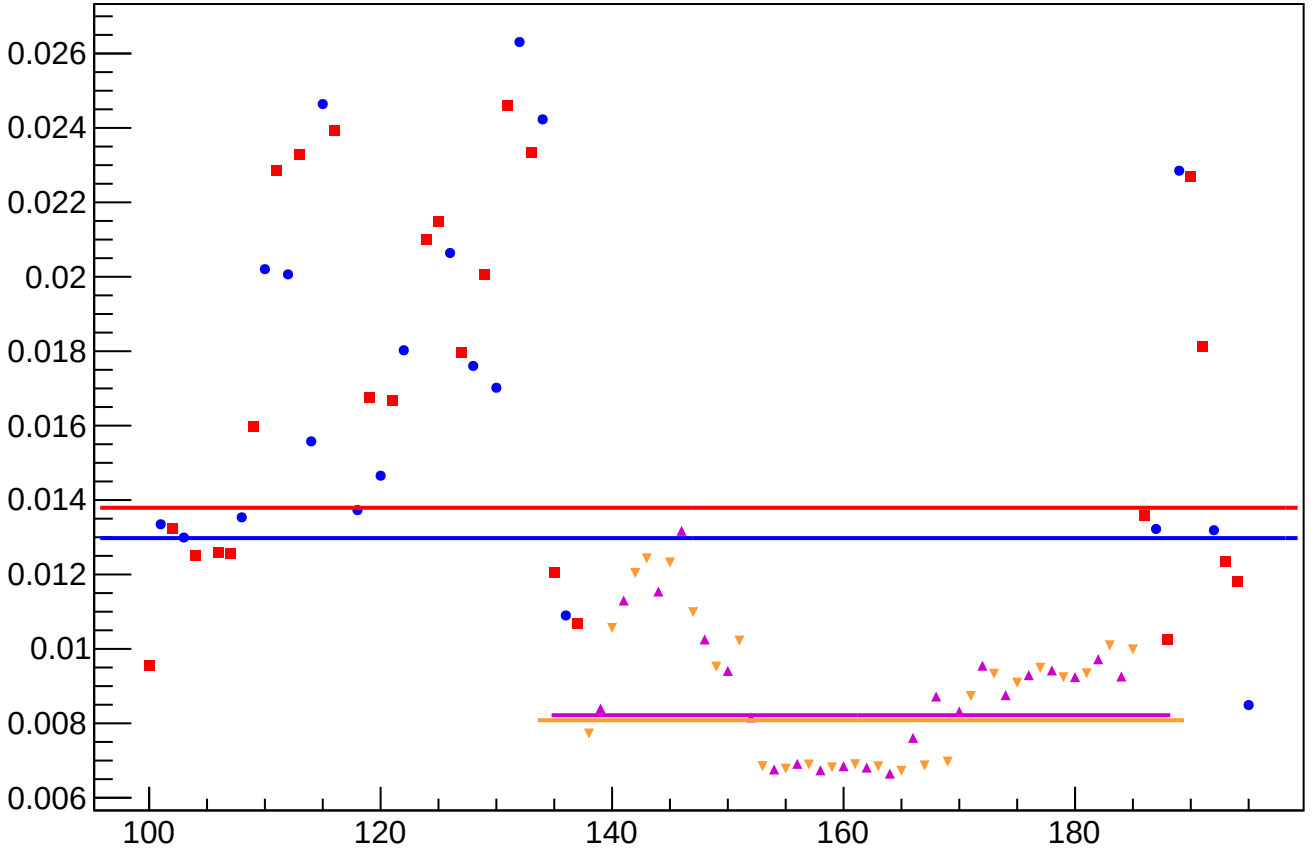
Right: 0.991+/-0.000 χ^2/NDF: 5680091888.2/44

In: 0.766+/-0.000 χ^2/NDF:31299633419.0/42

Out: 0.781+/-0.000 χ^2/NDF:37968959868.9/49

All: 0.774+/-0.000 χ^2/NDF: 69303408116.8/9

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1514924.9/19

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.014+/-0.000 χ^2/NDF: 1340532.2/24

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

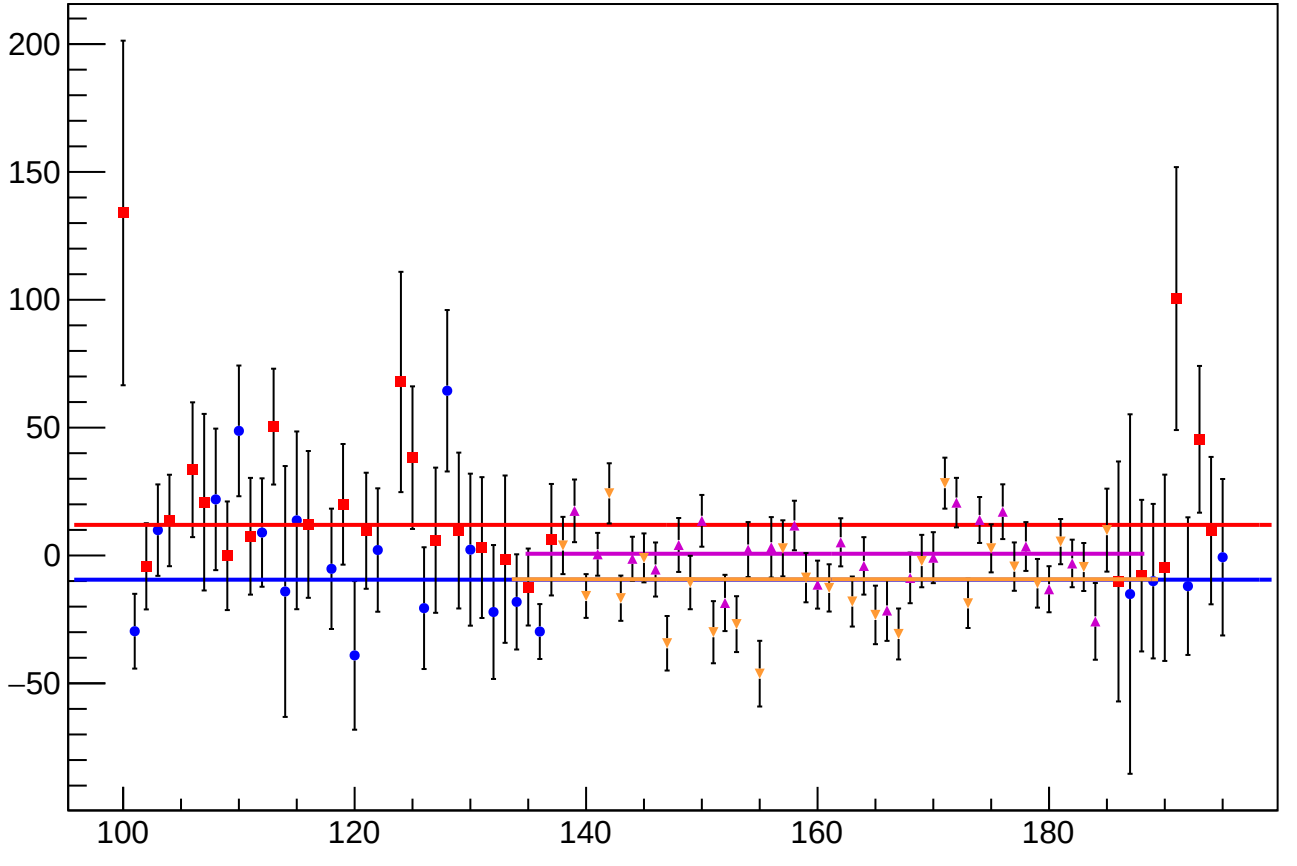
Right: 0.013+/-0.000 χ^2/NDF: 2887222.7/44

In: 0.009+/-0.000 χ^2/NDF:4452997.0/42

Out: 0.009+/-0.000 χ^2/NDF:5400418.5/49

All: 0.009+/-0.000 χ^2/NDF: 9854049.1/92

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.466+/-5.033 χ^2/NDF: 22.0/19

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 11.967+/-5.114 χ^2/NDF: 19.1/24

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

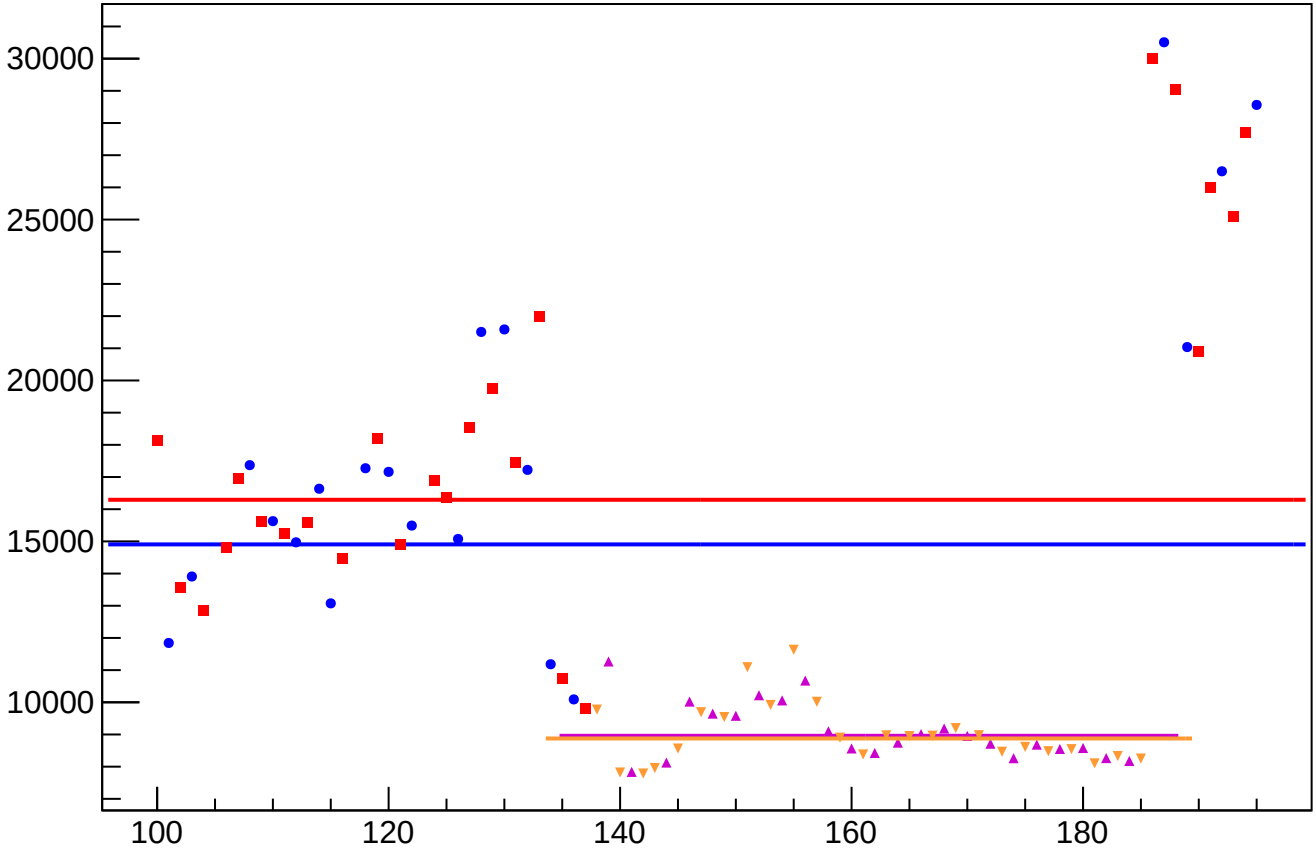
Right: 1.080+/-3.587 χ^2/NDF: 50.0/44

In: -0.833+/-1.941 χ^2/NDF:54.9/42

Out: -6.396+/-1.887 χ^2/NDF:95.2/49

All: -3.693+/-1.353 χ^2/NDF: 154.3/92

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14906.607+/-3.559 χ^2/NDF: 1789670.4/19

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 16292.851+/-3.616 χ^2/NDF: 1868020.1/24

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

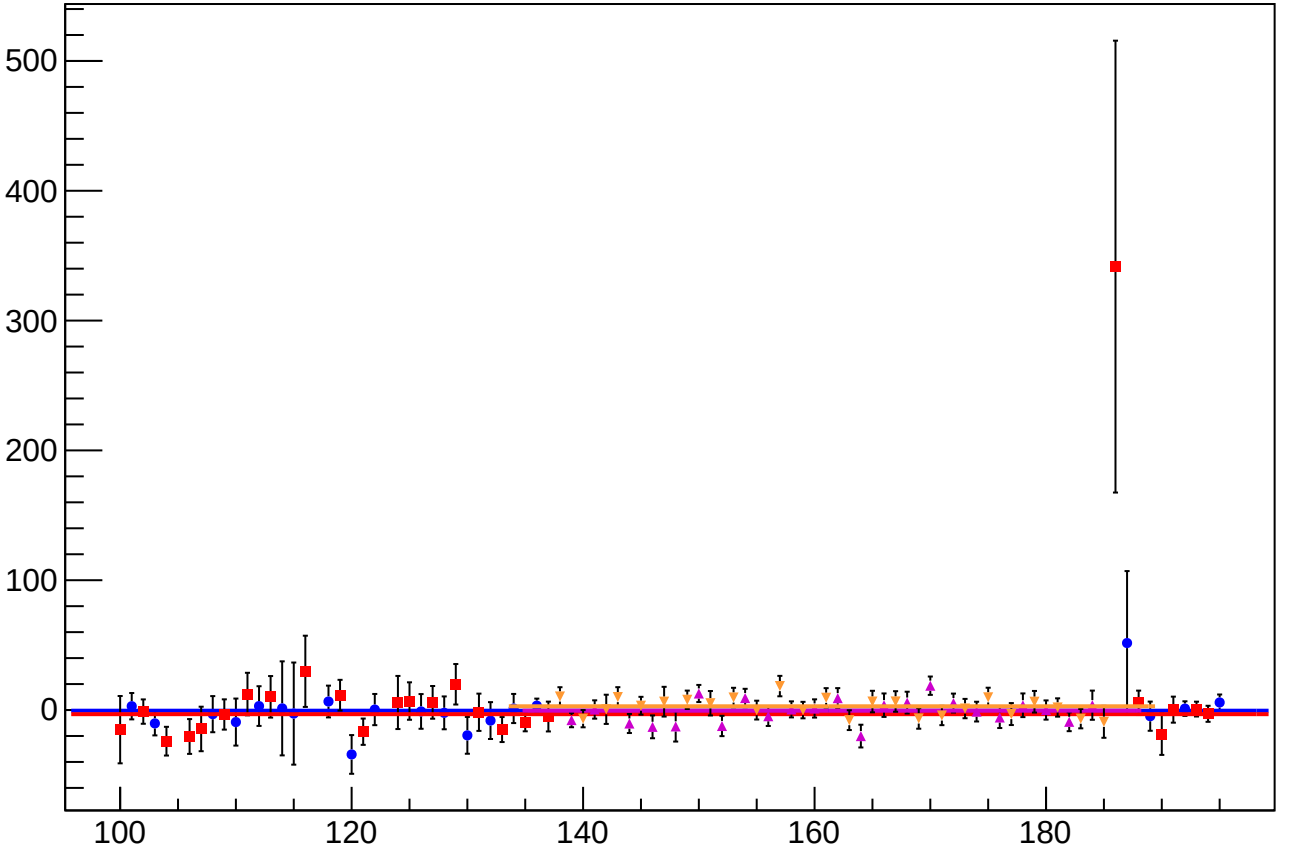
Right: 15588.687+/-2.537 χ^2/NDF: 3732334.2/44

In: 9843.518+/-1.373 χ^2/NDF:4468784.1/42

Out: 9885.707+/-1.334 χ^2/NDF:5848987.7/49

All: 9865.209+/-0.957 χ^2/NDF: 10318257.3/9

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.527+/-2.335 χ^2/NDF: 11.8/19

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.198+/-2.201 χ^2/NDF: 24.3/24

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

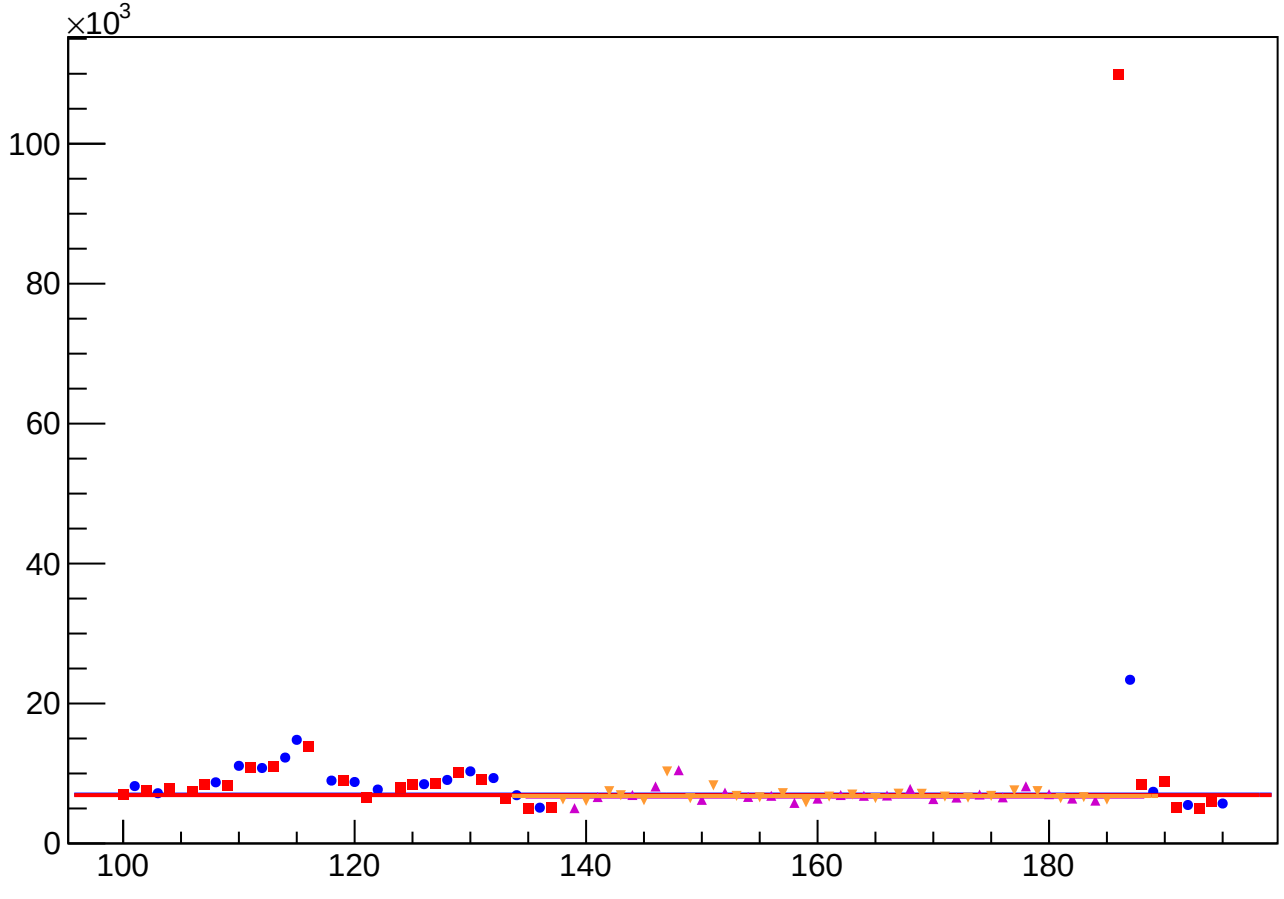
Right: -1.941+/-1.601 χ^2/NDF: 36.8/44

In: -0.478+/-1.309 χ^2/NDF:44.6/42

Out: 0.858+/-1.269 χ^2/NDF:48.8/49

All: 0.210+/-0.911 χ^2/NDF: 94.0/92

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6986.148+/-1.651 χ^2/NDF: 1386194.2/19

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6907.581+/-1.556 χ^2/NDF: 2042676.8/24

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

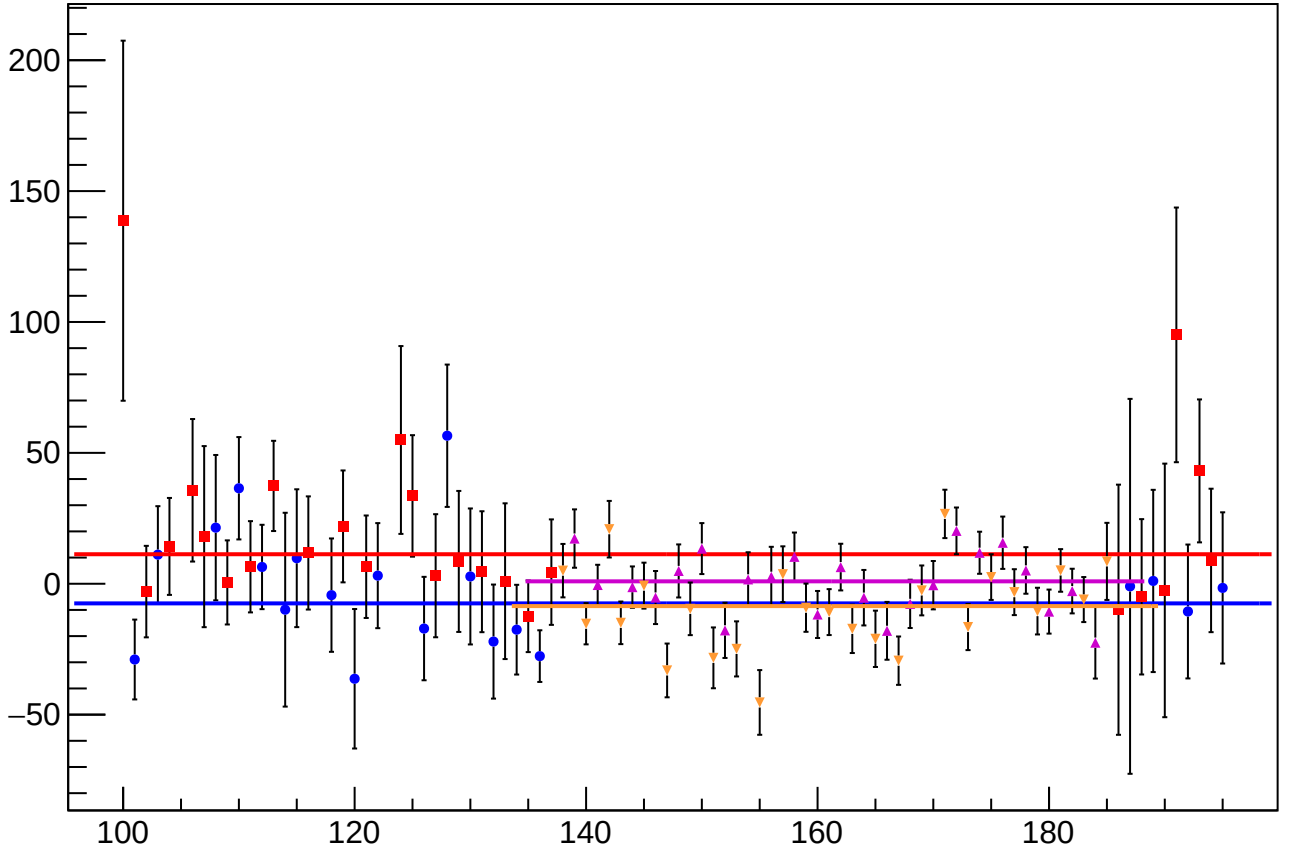
Right: 6944.551+/-1.132 χ^2/NDF: 3430070.3/44

In: 6782.843+/-0.926 χ^2/NDF:2028599.0/42

Out: 6820.259+/-0.898 χ^2/NDF:2447560.9/49

All: 6802.131+/-0.644 χ^2/NDF: 4477001.8/92

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.500+/-4.559 χ^2/NDF: 22.8/19

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 11.275+/-4.574 χ^2/NDF: 18.9/24

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

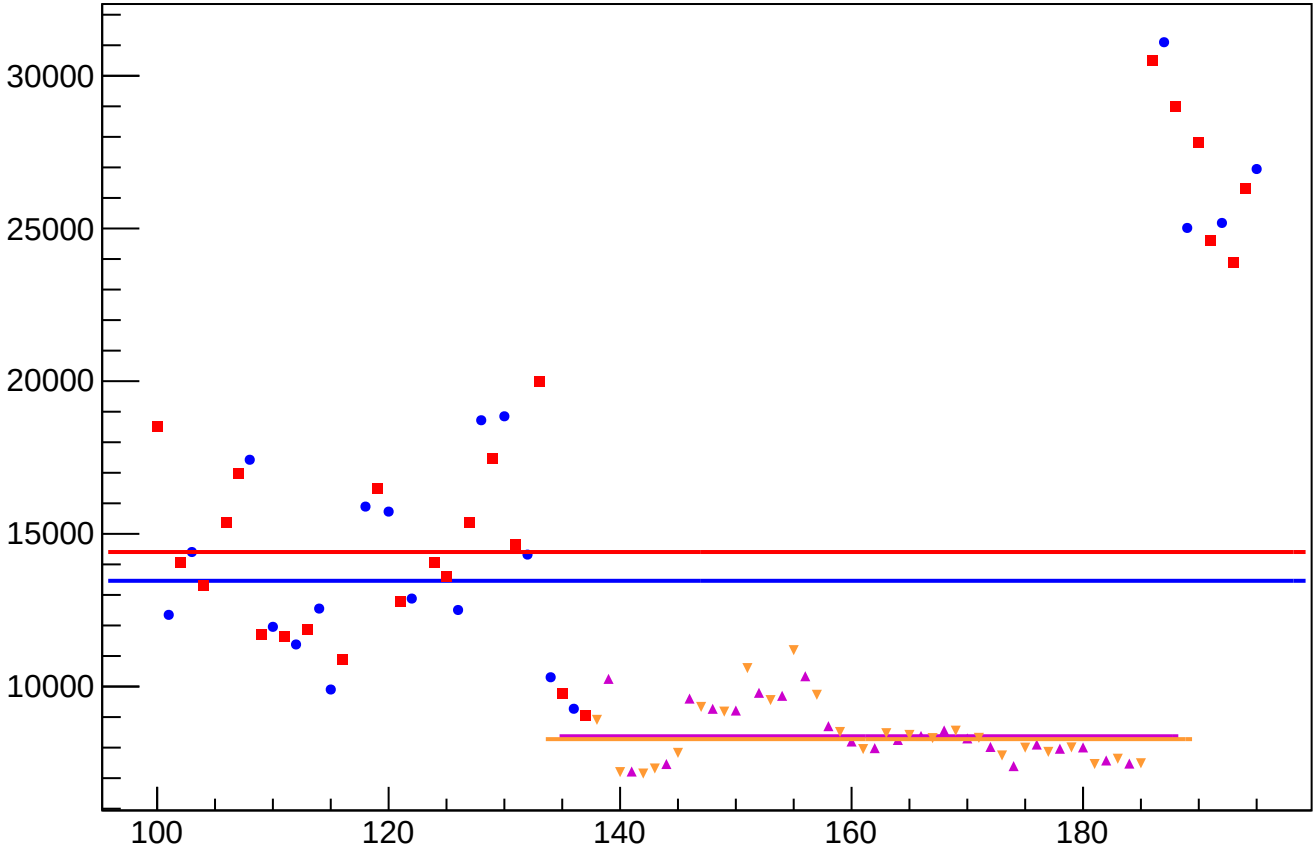
Right: 1.857+/-3.229 χ^2/NDF: 50.1/44

In: -0.404+/-1.808 χ^2/NDF:54.8/42

Out: -5.630+/-1.752 χ^2/NDF:96.8/49

All: -3.099+/-1.258 χ^2/NDF: 155.9/92

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 13462.724+/-3.224 χ^2/NDF: 1975807.3/19

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 14405.430+/-3.235 χ^2/NDF: 2308722.2/24

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

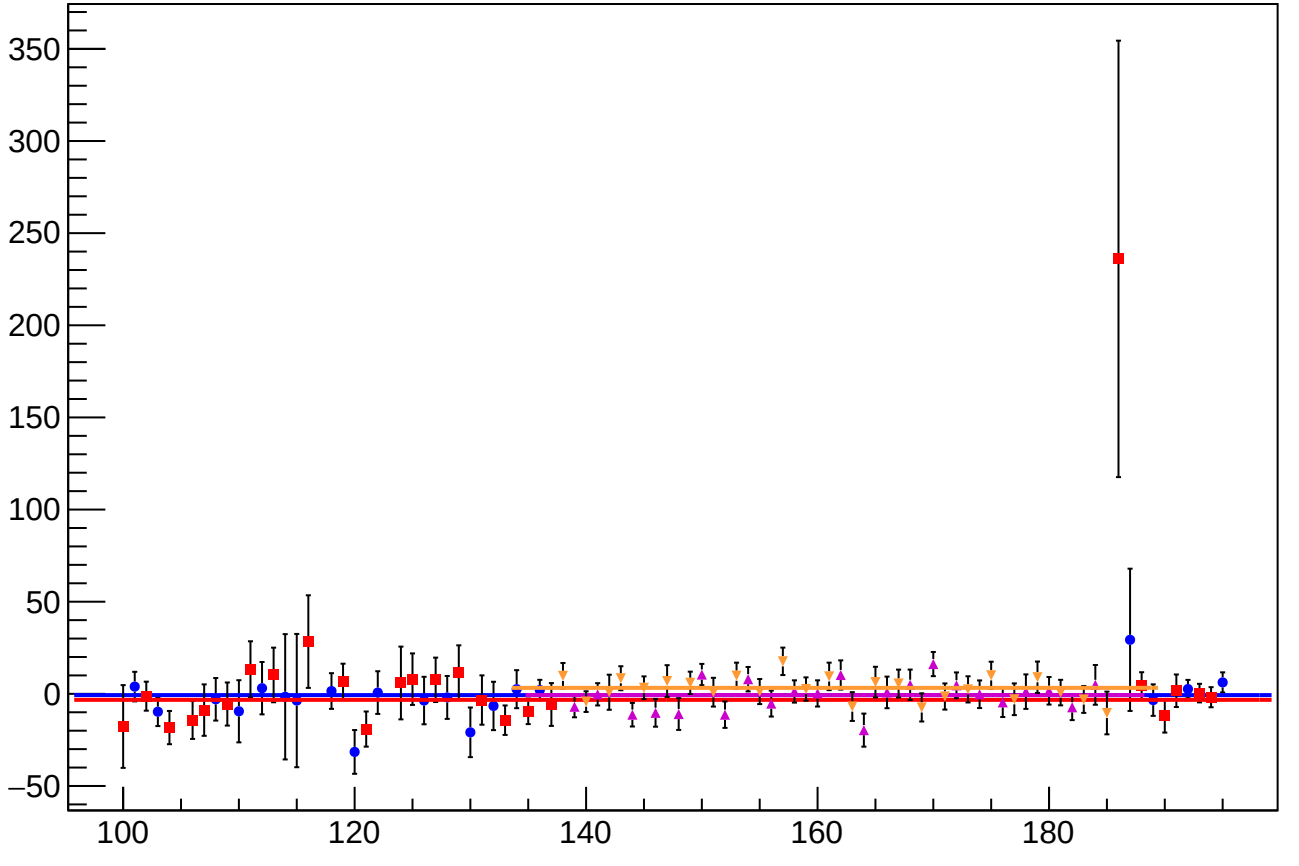
Right: 13932.532+/-2.283 χ^2/NDF: 4327138.9/44

In: 9172.414+/-1.278 χ^2/NDF:4469776.9/42

Out: 9176.662+/-1.239 χ^2/NDF:5826187.6/49

All: 9174.604+/-0.890 χ^2/NDF: 10295970.2/9

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -0.679+/-2.085 χ^2/NDF: 14.5/19

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -3.258+/-1.925 χ^2/NDF: 24.5/24

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

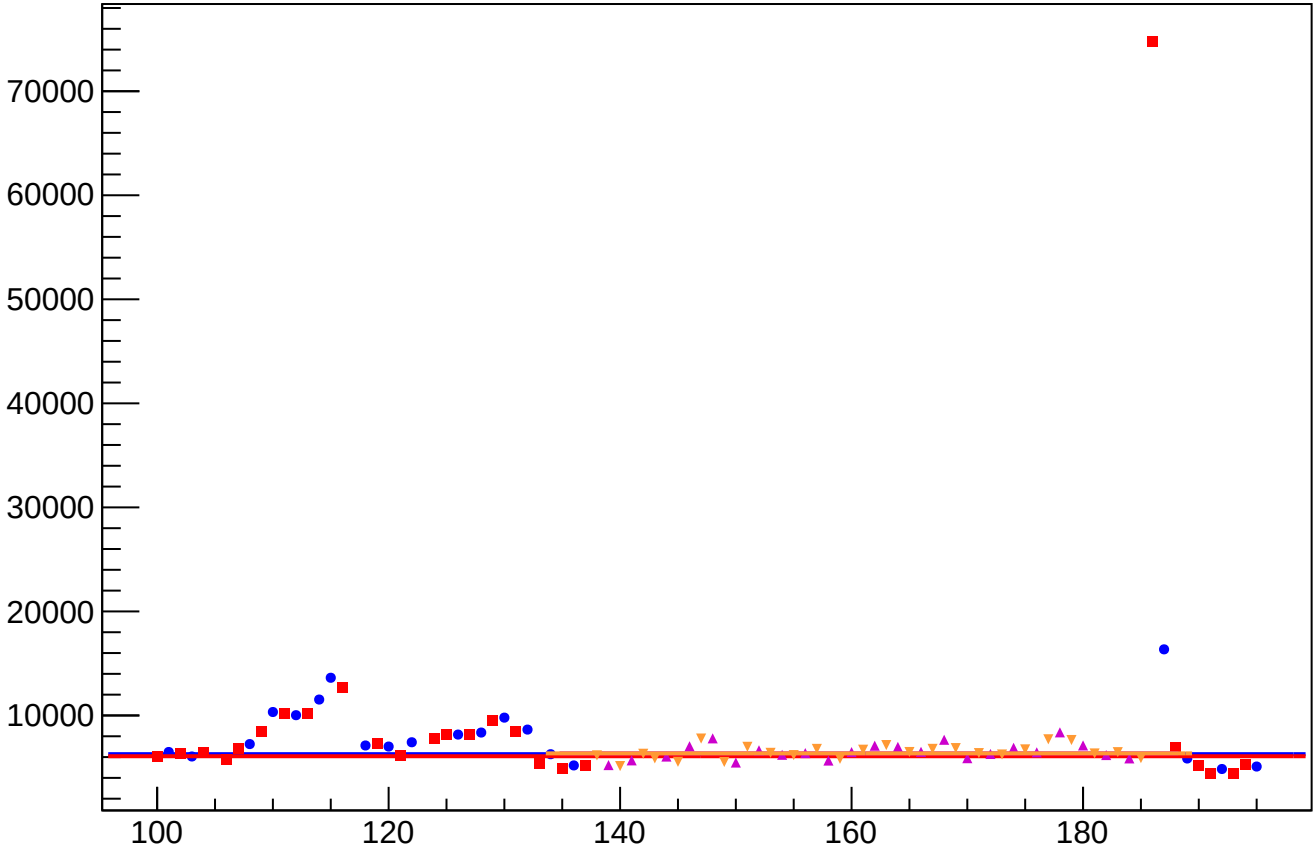
Right: -2.071+/-1.414 χ^2/NDF: 39.8/44

In: -0.657+/-1.217 χ^2/NDF:45.2/42

Out: 0.883+/-1.162 χ^2/NDF:49.4/49

All: 0.149+/-0.840 χ^2/NDF: 95.5/92

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6280.747+/-1.474 χ^2/NDF: 1228435.7/19

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6080.841+/-1.361 χ^2/NDF: 1999775.0/24

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

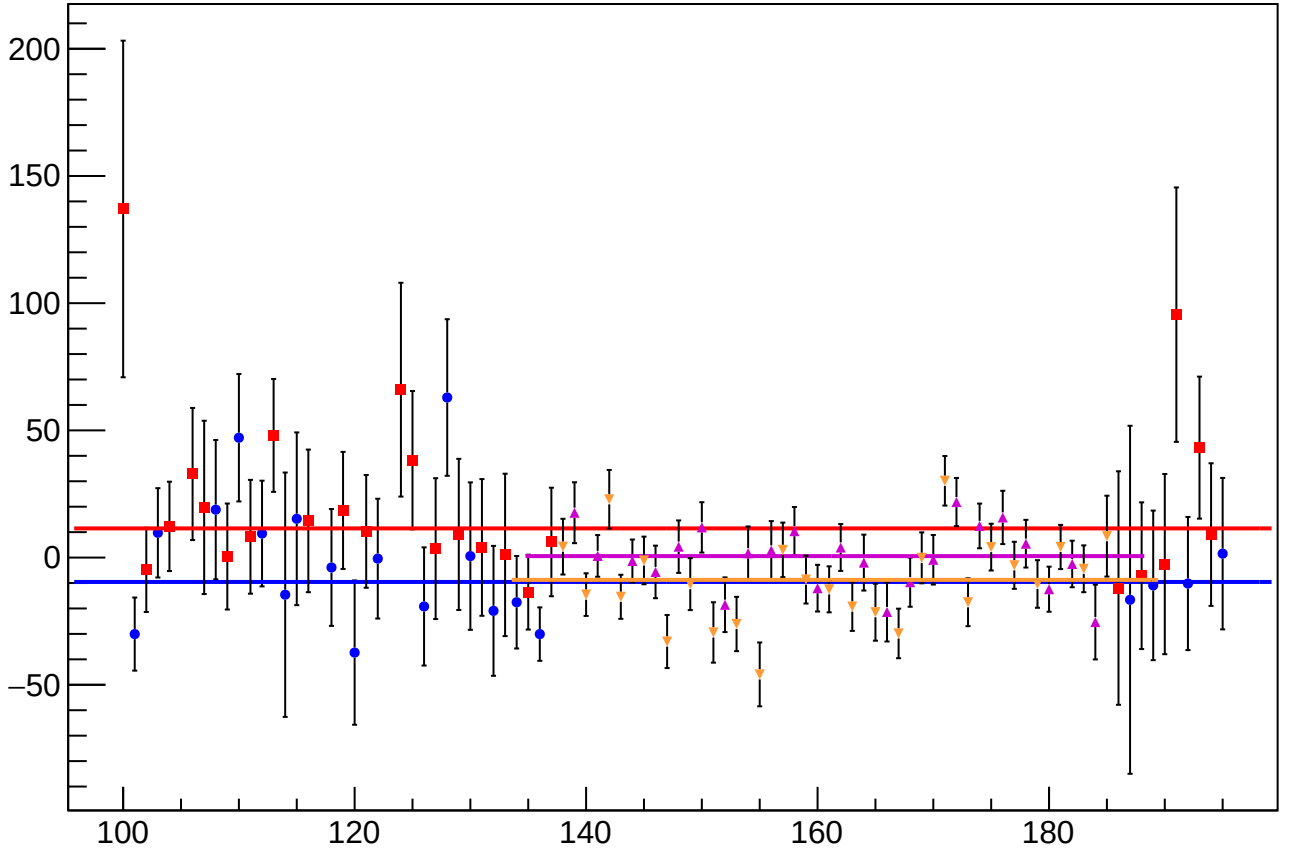
Right: 6172.866+/-1.000 χ^2/NDF: 3238136.9/44

In: 6332.920+/-0.861 χ^2/NDF:1704212.0/42

Out: 6256.807+/-0.822 χ^2/NDF:2440172.3/49

All: 6293.097+/-0.594 χ^2/NDF: 4148476.4/92

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.580+/-4.923 χ^2/NDF: 22.2/19

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 11.472+/-5.002 χ^2/NDF: 19.3/24

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

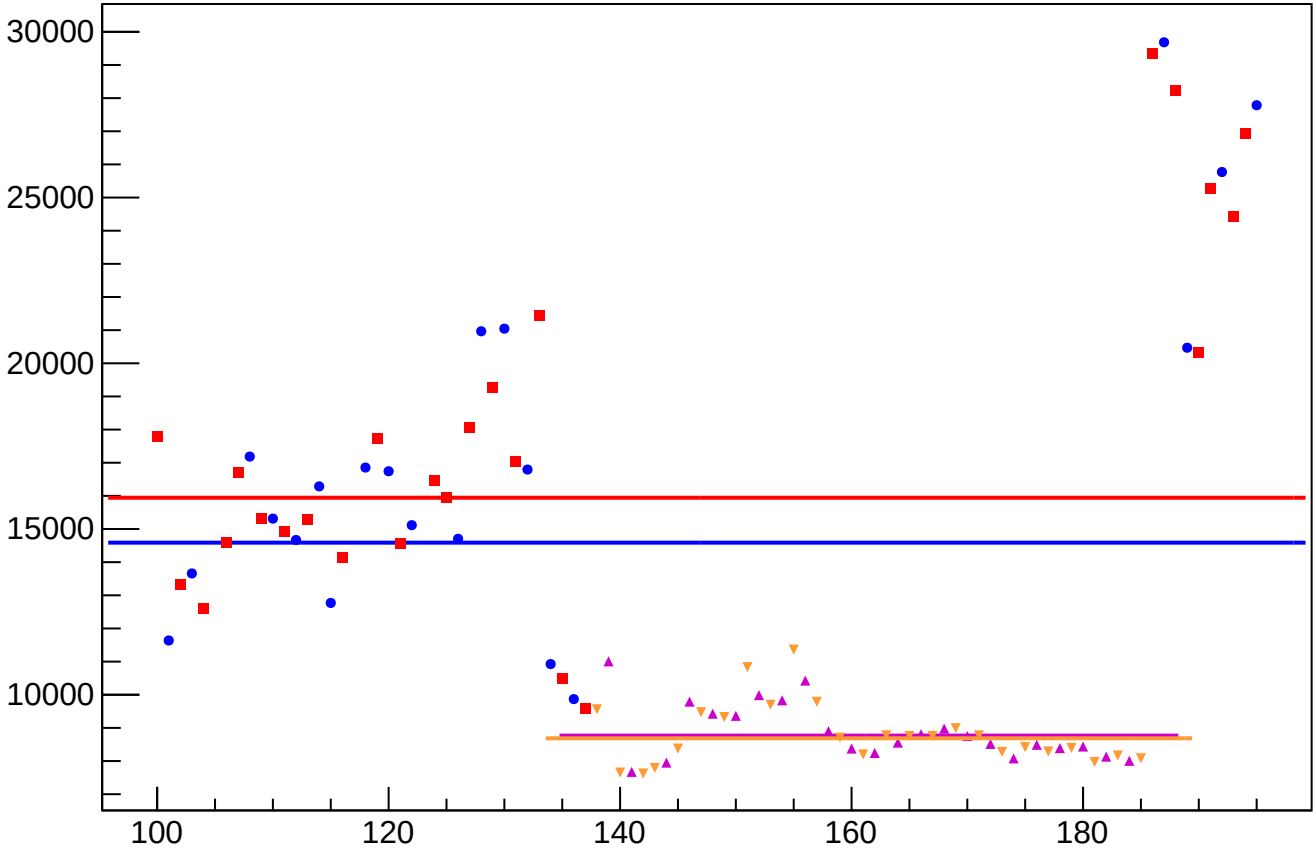
Right: 0.780+/-3.509 χ^2/NDF: 50.5/44

In: -0.933+/-1.900 χ^2/NDF:55.4/42

Out: -6.008+/-1.847 χ^2/NDF:96.1/49

All: -3.542+/-1.324 χ^2/NDF: 155.2/92

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 14588.959+/-3.481 χ^2/NDF: 1770660.6/19

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 15944.267+/-3.537 χ^2/NDF: 1843027.6/24

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

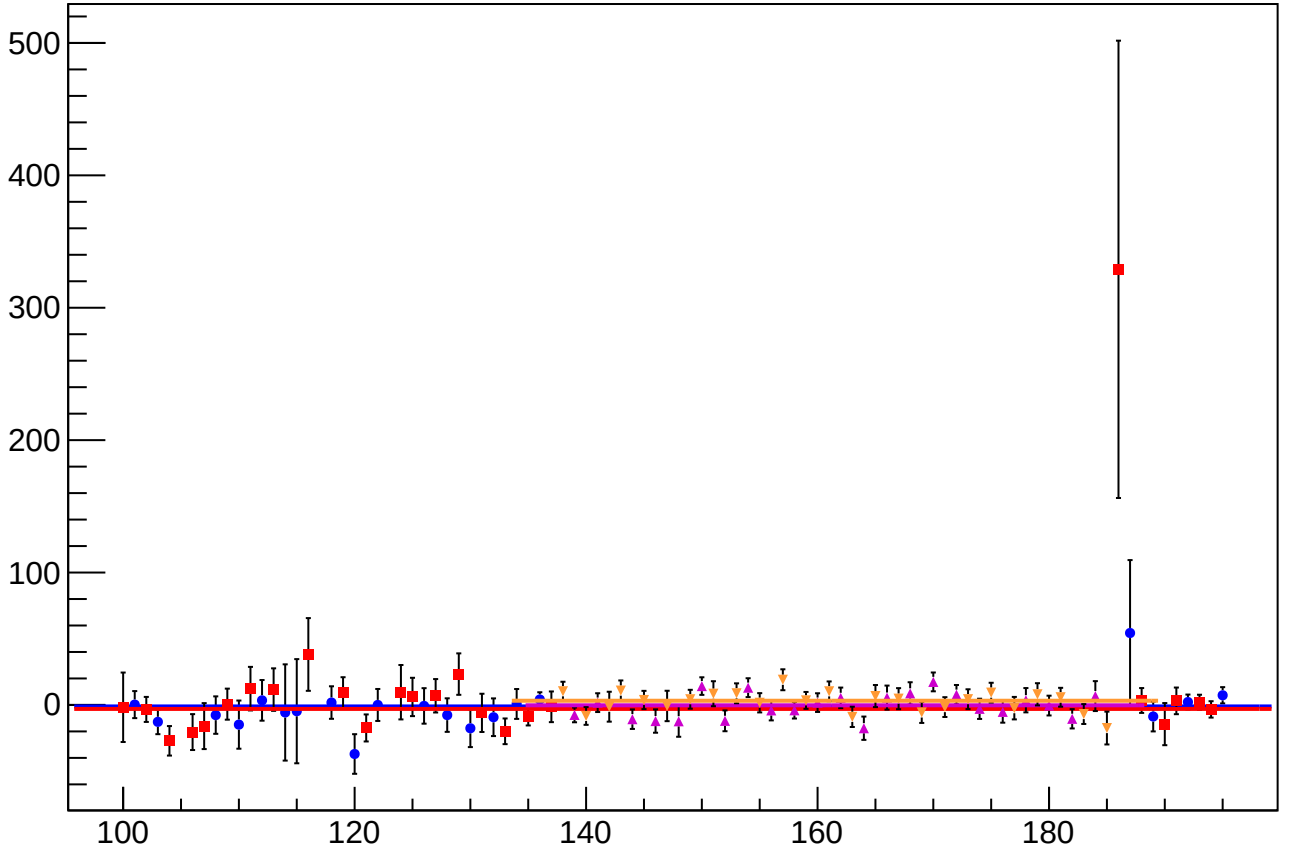
Right: 15255.910+/-2.481 χ^2/NDF: 3688272.8/44

In: 9634.378+/-1.343 χ^2/NDF:4446017.0/42

Out: 9675.384+/-1.306 χ^2/NDF:5821308.7/49

All: 9655.462+/-0.936 χ^2/NDF: 10267804.8/9

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.134+/-2.345 χ^2/NDF: 14.9/19

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -3.007+/-2.212 χ^2/NDF: 27.6/24

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

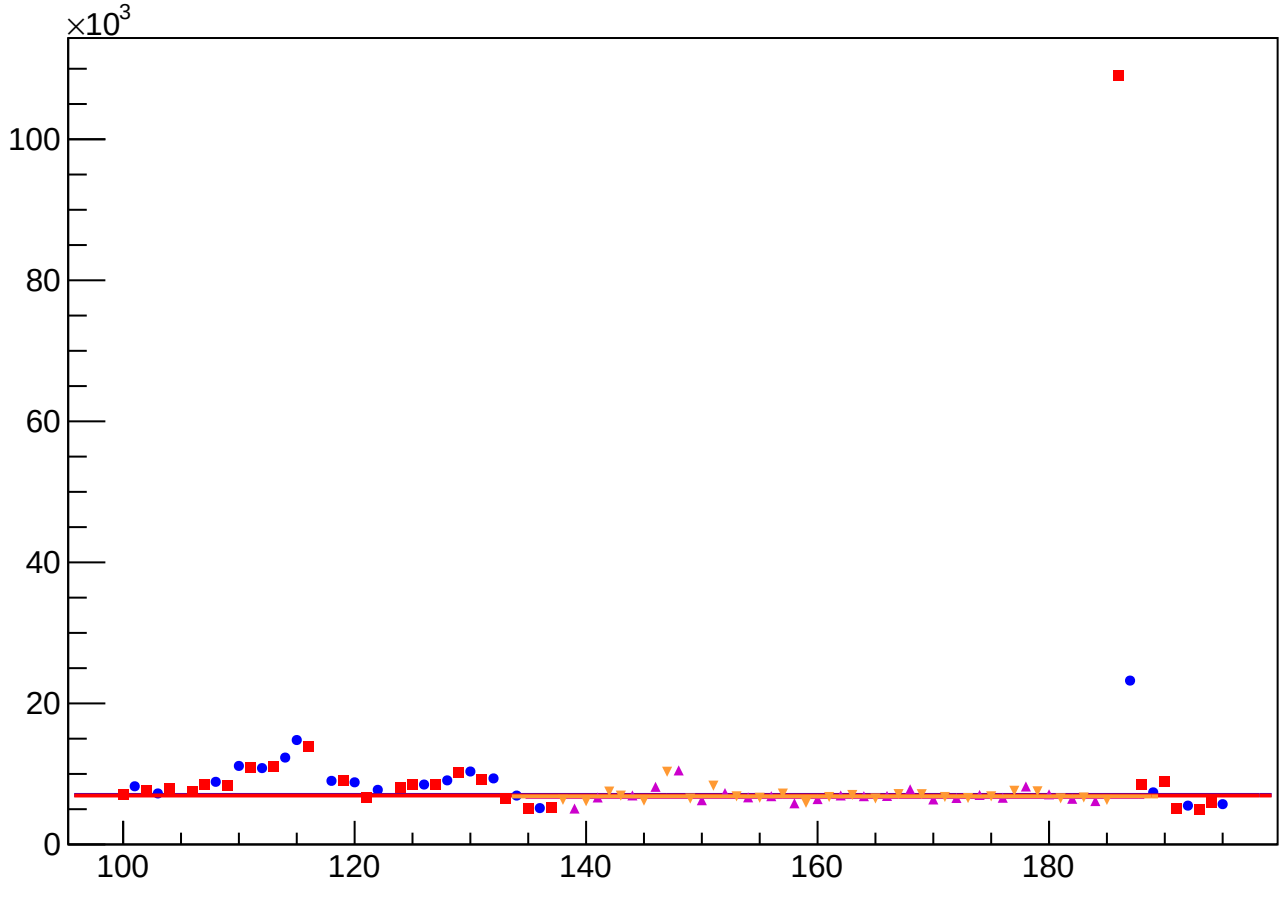
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -2.125+/-1.609 χ^2/NDF: 42.9/44

In: -0.541+/-1.316 χ^2/NDF:49.2/42

Out: 1.115+/-1.276 χ^2/NDF:54.5/49

All: 0.313+/-0.916 χ^2/NDF: 104.5/92



Right In: 7018.211+/-1.658 χ^2/NDF: 1383012.3/19

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6944.555+/-1.564 χ^2/NDF: 2034373.3/24

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

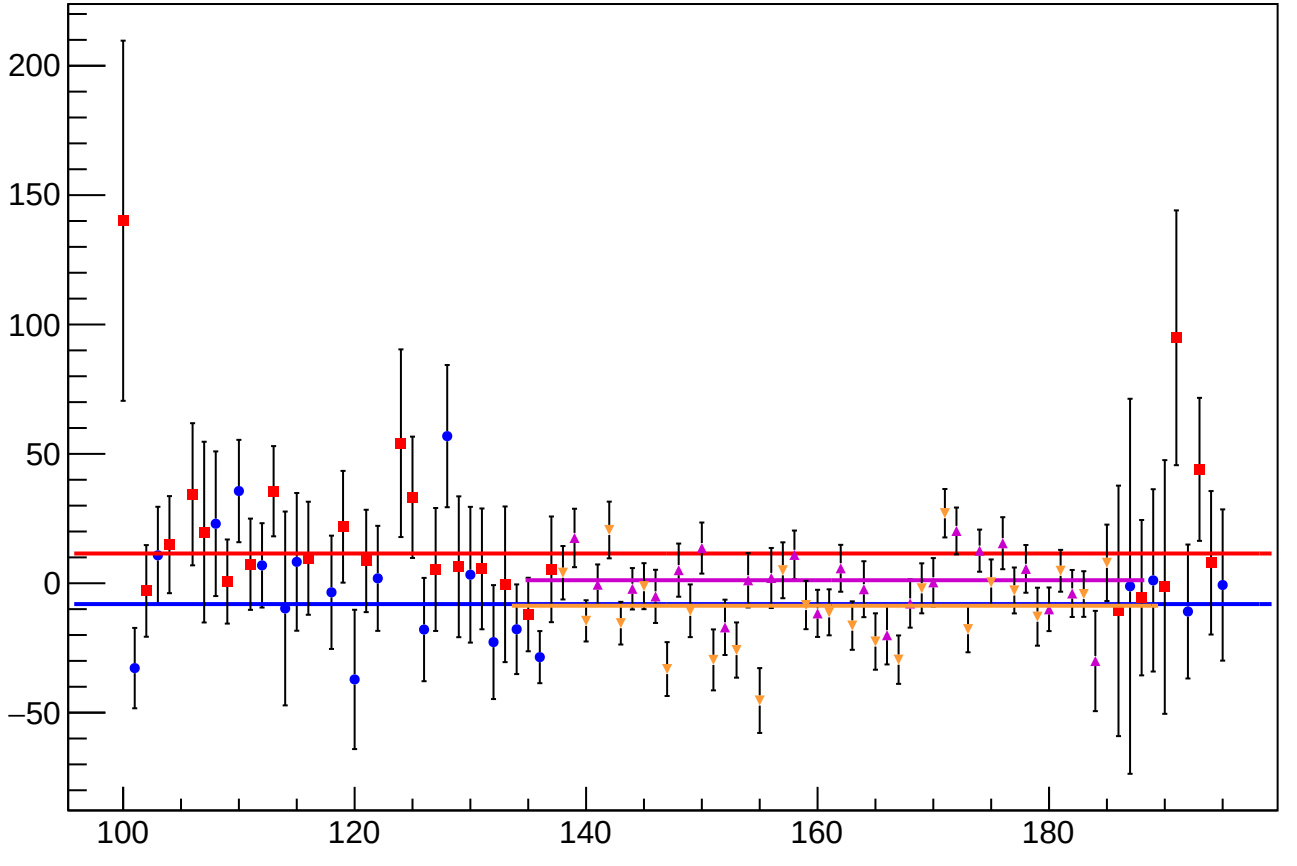
Right: 6979.235+/-1.138 χ^2/NDF: 3418430.0/44

In: 6819.333+/-0.931 χ^2/NDF:2014054.8/42

Out: 6856.748+/-0.902 χ^2/NDF:2433718.0/49

All: 6838.621+/-0.648 χ^2/NDF: 4448606.1/92

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.049+/-4.622 χ^2/NDF: 23.4/19

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 11.502+/-4.640 χ^2/NDF: 17.8/24

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

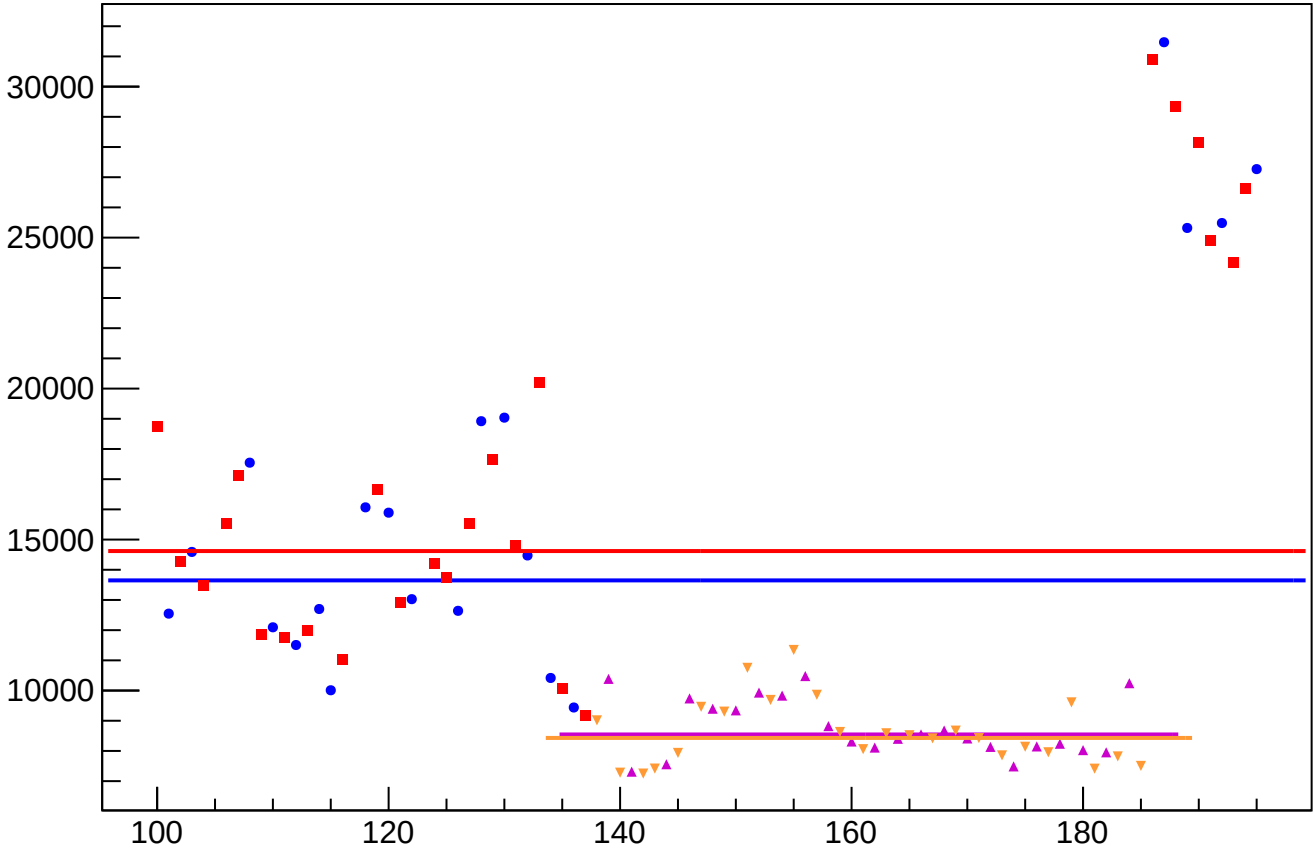
Right: 1.687+/-3.275 χ^2/NDF: 50.1/44

In: -0.296+/-1.845 χ^2/NDF:55.3/42

Out: -5.698+/-1.787 χ^2/NDF:95.4/49

All: -3.084+/-1.284 χ^2/NDF: 155.1/92

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 13648.115+/-3.268 χ^2/NDF: 1958028.5/19

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 14619.807+/-3.281 χ^2/NDF: 2278130.8/24

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

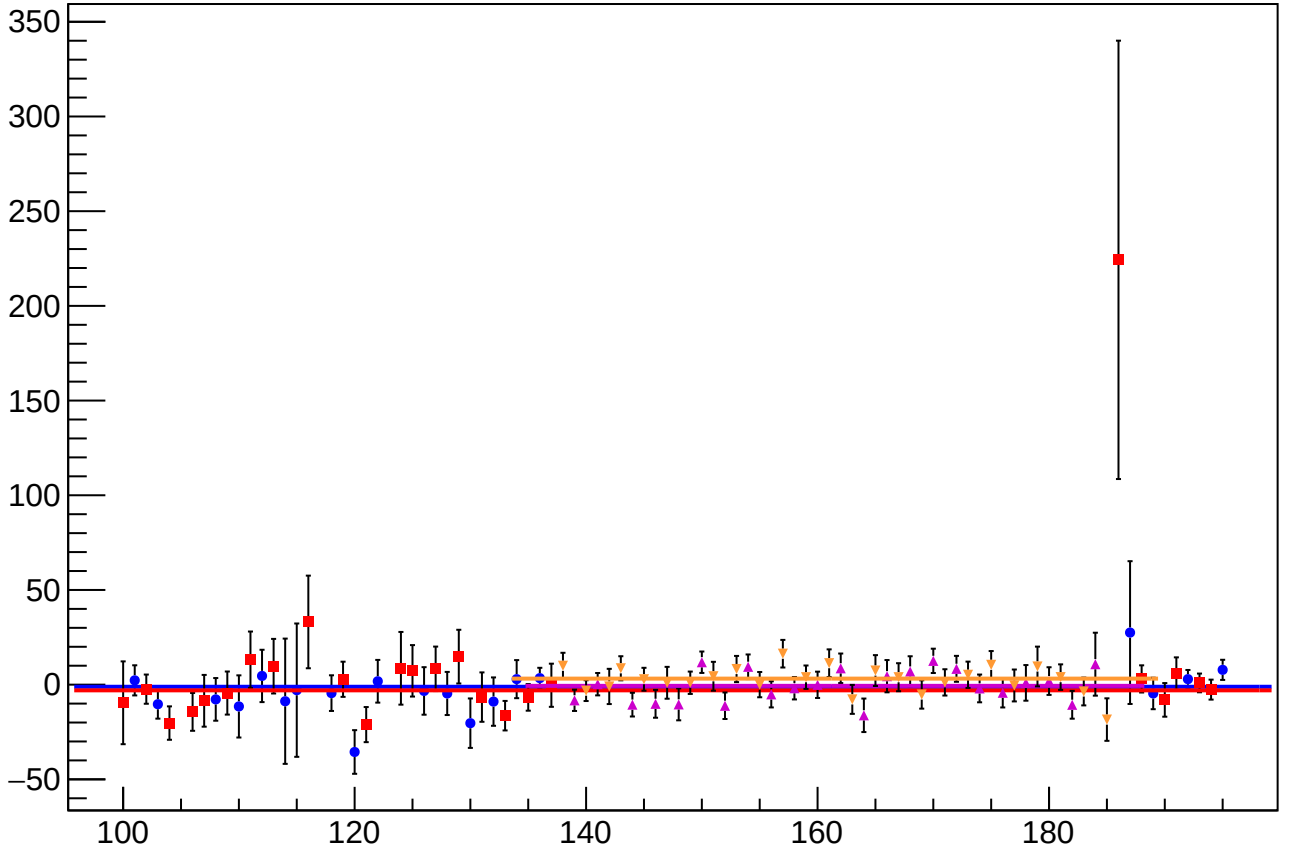
Right: 14132.006+/-2.316 χ^2/NDF: 4280183.7/44

In: 9358.736+/-1.305 χ^2/NDF:4397055.2/42

Out: 9348.382+/-1.263 χ^2/NDF:5793041.7/49

All: 9353.393+/-0.908 χ^2/NDF: 10190129.4/9

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -1.114+/-2.036 χ^2/NDF: 19.5/19

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.003+/-1.881 χ^2/NDF: 27.2/24

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

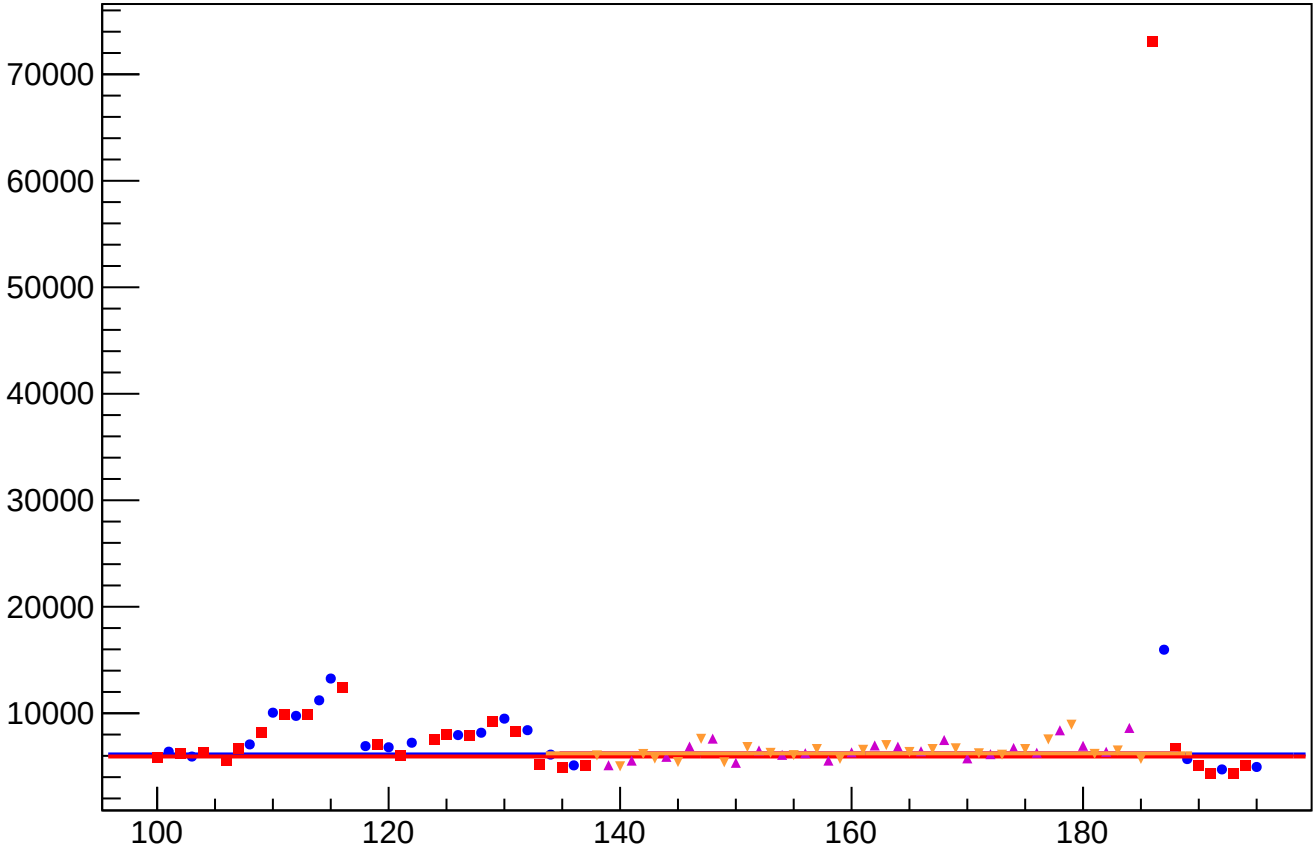
Right: -2.133+/-1.382 χ^2/NDF: 47.2/44

In: -0.799+/-1.198 χ^2/NDF:51.4/42

Out: 0.910+/-1.141 χ^2/NDF:52.7/49

All: 0.097+/-0.826 χ^2/NDF: 105.1/92

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6131.722+/-1.440 χ^2/NDF: 1219870.8/19

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5940.375+/-1.330 χ^2/NDF: 1976064.9/24

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

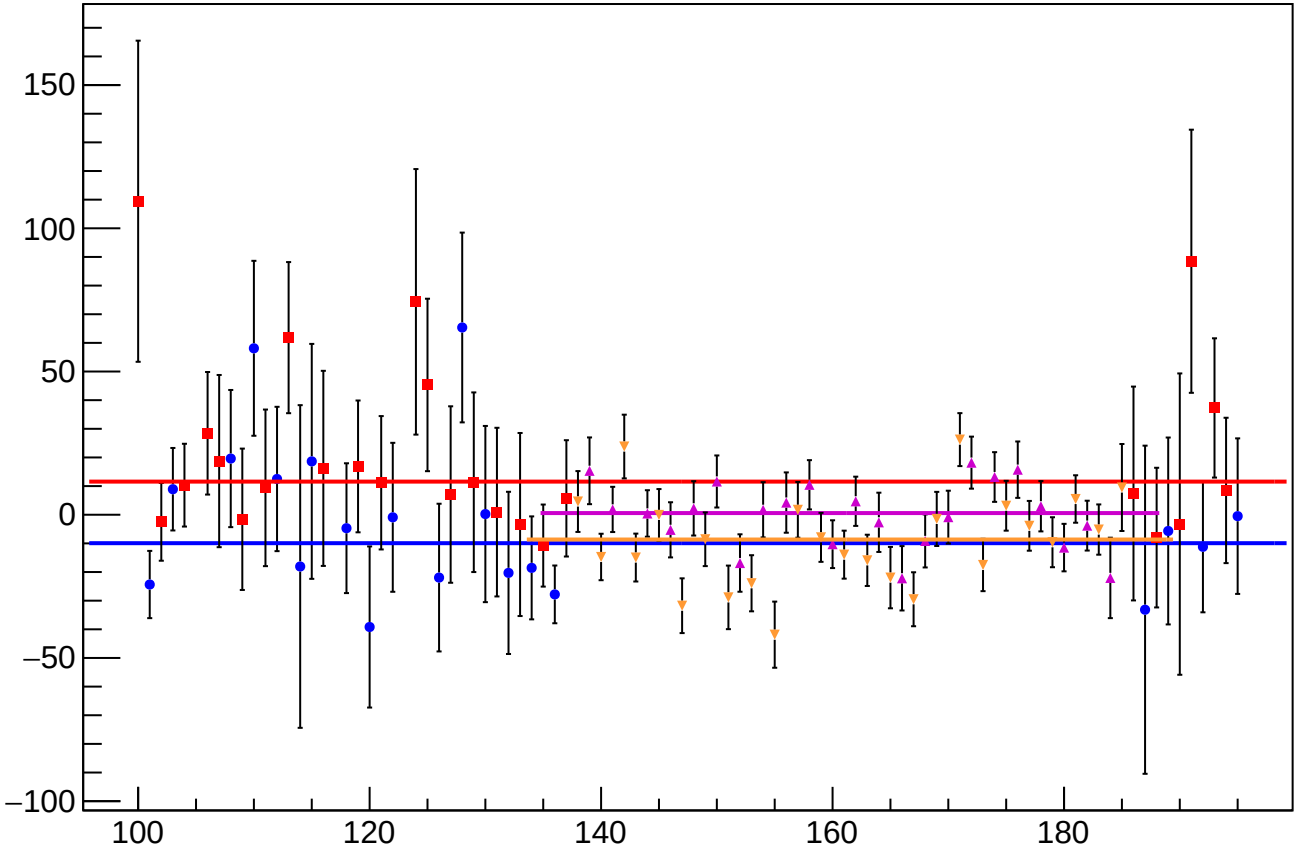
Right: 6028.495+/-0.977 χ^2/NDF: 3205462.4/44

In: 6220.995+/-0.847 χ^2/NDF:1750076.6/42

Out: 6128.516+/-0.807 χ^2/NDF:2515421.5/49

All: 6172.494+/-0.584 χ^2/NDF: 4271747.2/92

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -9.929+/-4.754 χ^2/NDF: 21.6/19

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 11.569+/-4.857 χ^2/NDF: 19.4/24

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

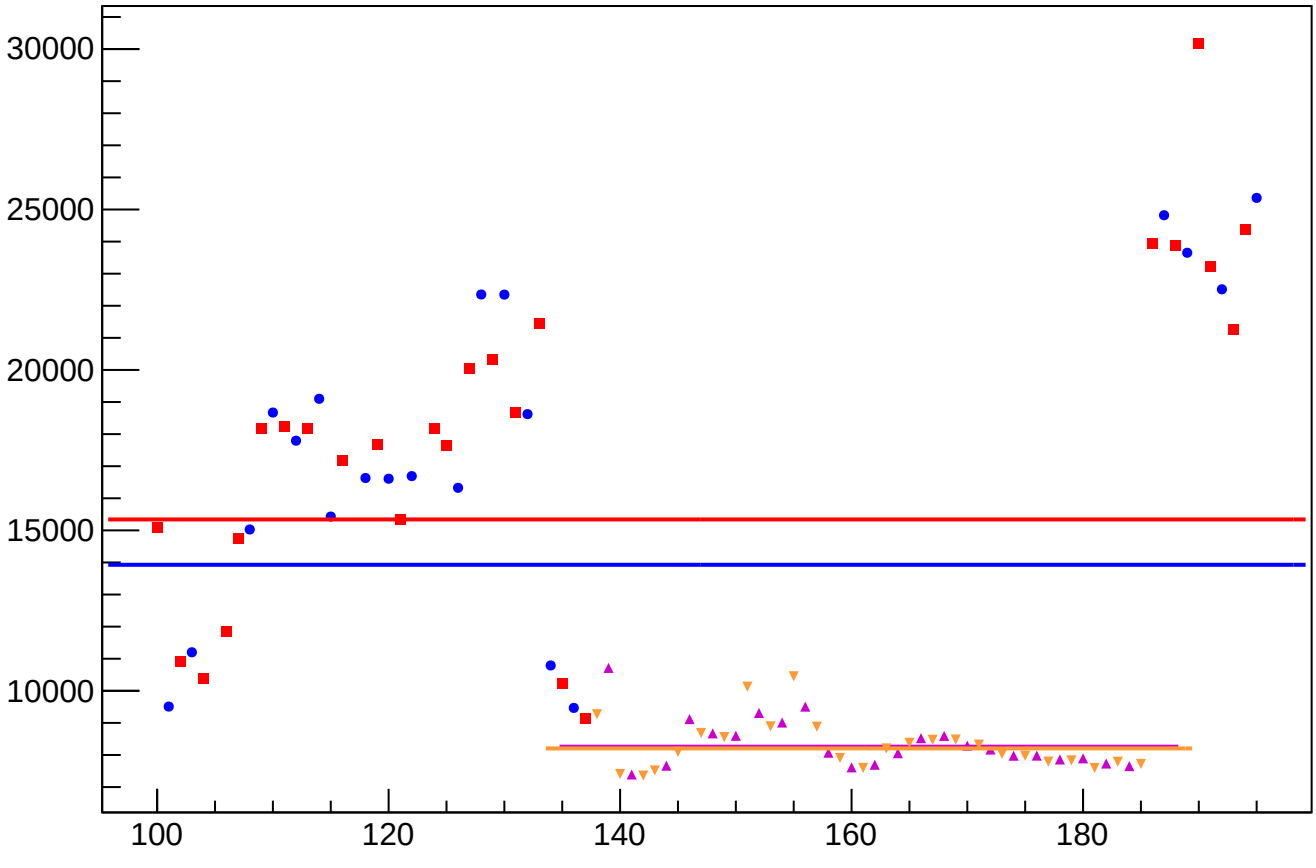
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: 0.591+/-3.397 χ^2/NDF: 51.0/44

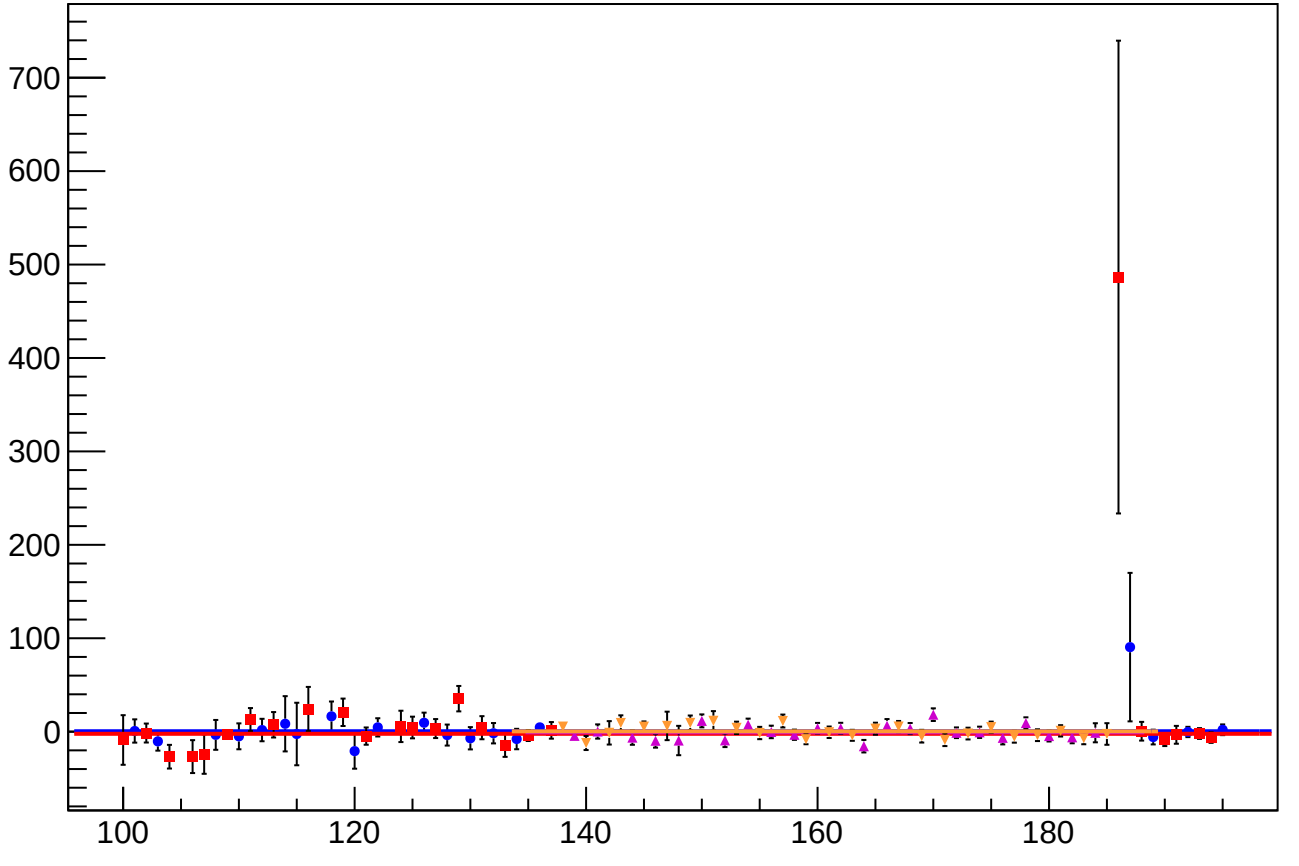
In: -0.916+/-1.795 χ^2/NDF:54.3/42

Out: -6.027+/-1.749 χ^2/NDF:97.6/49

All: -3.538+/-1.253 χ^2/NDF: 156.0/92


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13927.292+/-3.362 χ²/NDF: 2234166.4/19
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 15340.527+/-3.434 χ²/NDF: 2198614.4/24
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 14618.878+/-2.402 χ²/NDF: 4519256.5/44
In: 9067.345+/-1.269 χ²/NDF:4928774.9/42
Out: 9130.214+/-1.237 χ²/NDF:6229288.3/49
All: 9099.596+/-0.886 χ²/NDF: 11159321.4/9

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.459+/-2.080 χ^2/NDF: 8.8/19

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -2.280+/-1.853 χ^2/NDF: 27.9/24

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

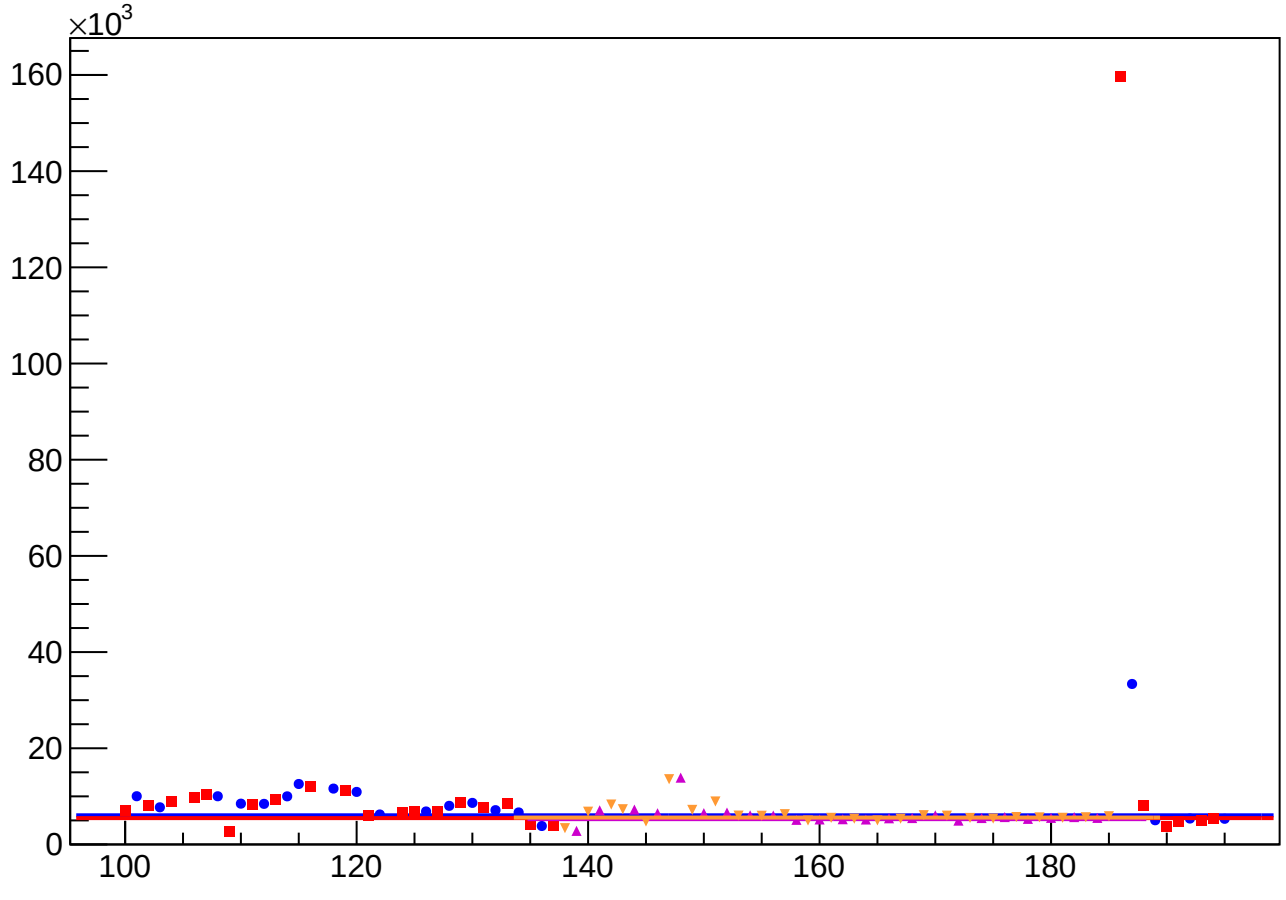
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -1.068+/-1.383 χ^2/NDF: 37.7/44

In: -0.384+/-1.097 χ^2/NDF:39.0/42

Out: -0.535+/-1.076 χ^2/NDF:50.7/49

All: -0.461+/-0.768 χ^2/NDF: 89.7/92



Right In: 6063.275+/-1.471 χ^2/NDF: 2124582.9/19

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5477.141+/-1.310 χ^2/NDF: 3624702.4/24

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

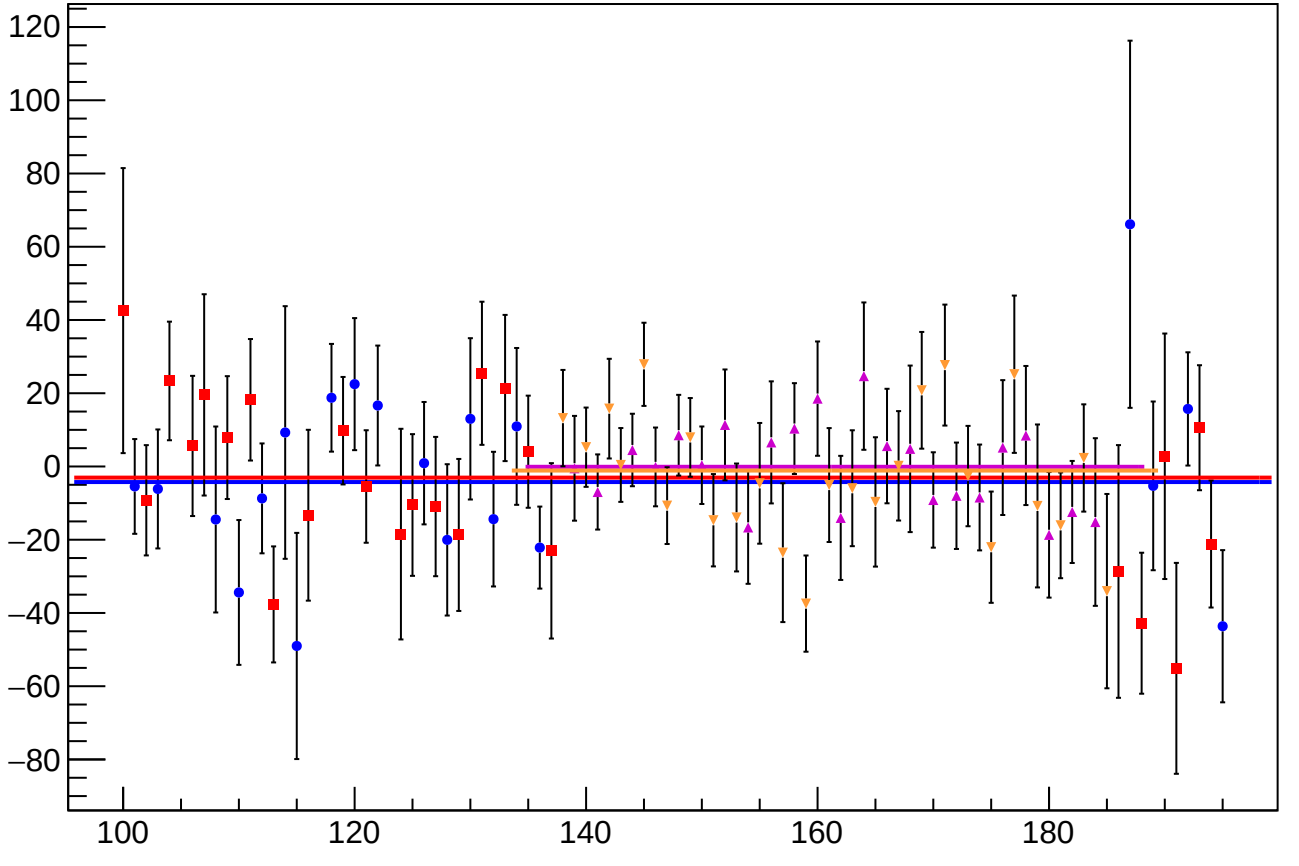
Right: 5736.461+/-0.978 χ^2/NDF: 5837862.3/44

In: 5485.470+/-0.776 χ^2/NDF:4764070.9/42

Out: 5554.919+/-0.761 χ^2/NDF:5414281.0/49

All: 5520.868+/-0.543 χ^2/NDF: 10182437.8/9

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.253+/-4.032 χ^2/NDF: 23.0/19

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -3.039+/-3.854 χ^2/NDF: 28.5/24

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

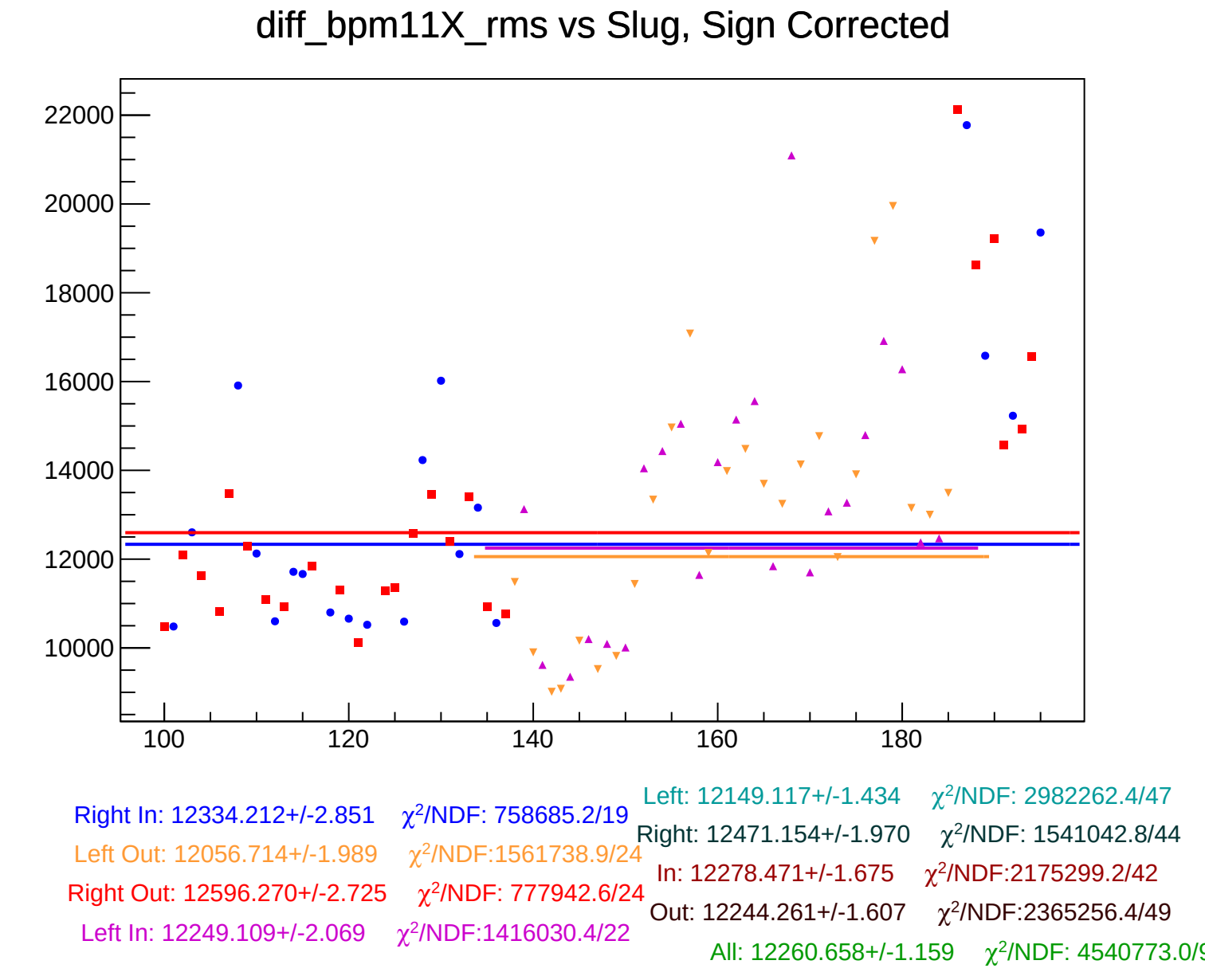
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -3.619+/-2.786 χ^2/NDF: 51.5/44

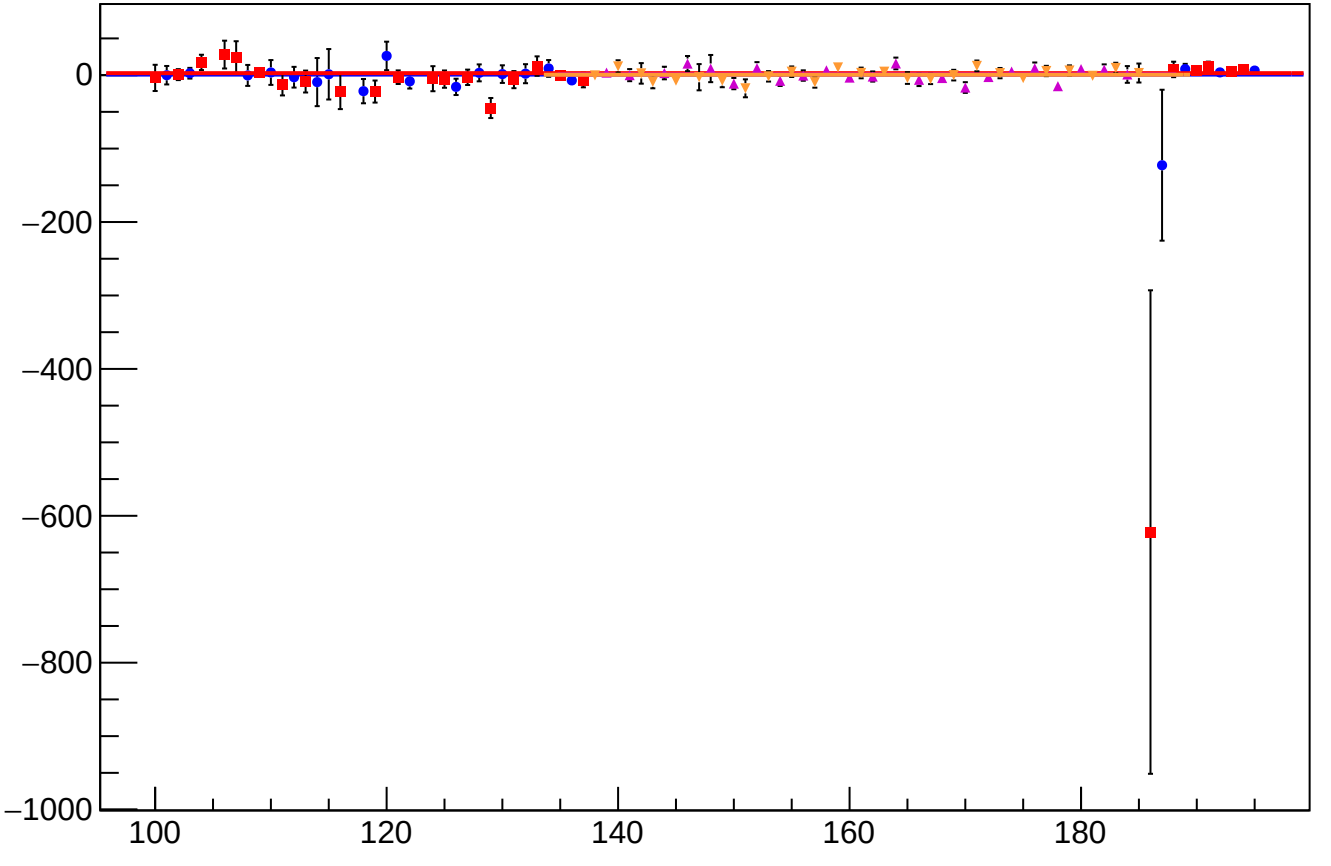
In: -1.523+/-2.368 χ^2/NDF:35.2/42

Out: -1.781+/-2.272 χ^2/NDF:62.4/49

All: -1.657+/-1.640 χ^2/NDF: 97.6/92


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
Right In: 12334.212+/-2.851 χ²/NDF: 758685.2/19
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12596.270+/-2.725 χ²/NDF: 777942.6/24
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 12471.154+/-1.970 χ²/NDF: 1541042.8/44
In: 12278.471+/-1.675 χ²/NDF:2175299.2/42
Out: 12244.261+/-1.607 χ²/NDF:2365256.4/49
All: 12260.658+/-1.159 χ²/NDF: 4540773.0/9

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.760+/-1.954 χ^2/NDF: 15.0/19

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 2.693+/-1.749 χ^2/NDF: 33.0/24

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

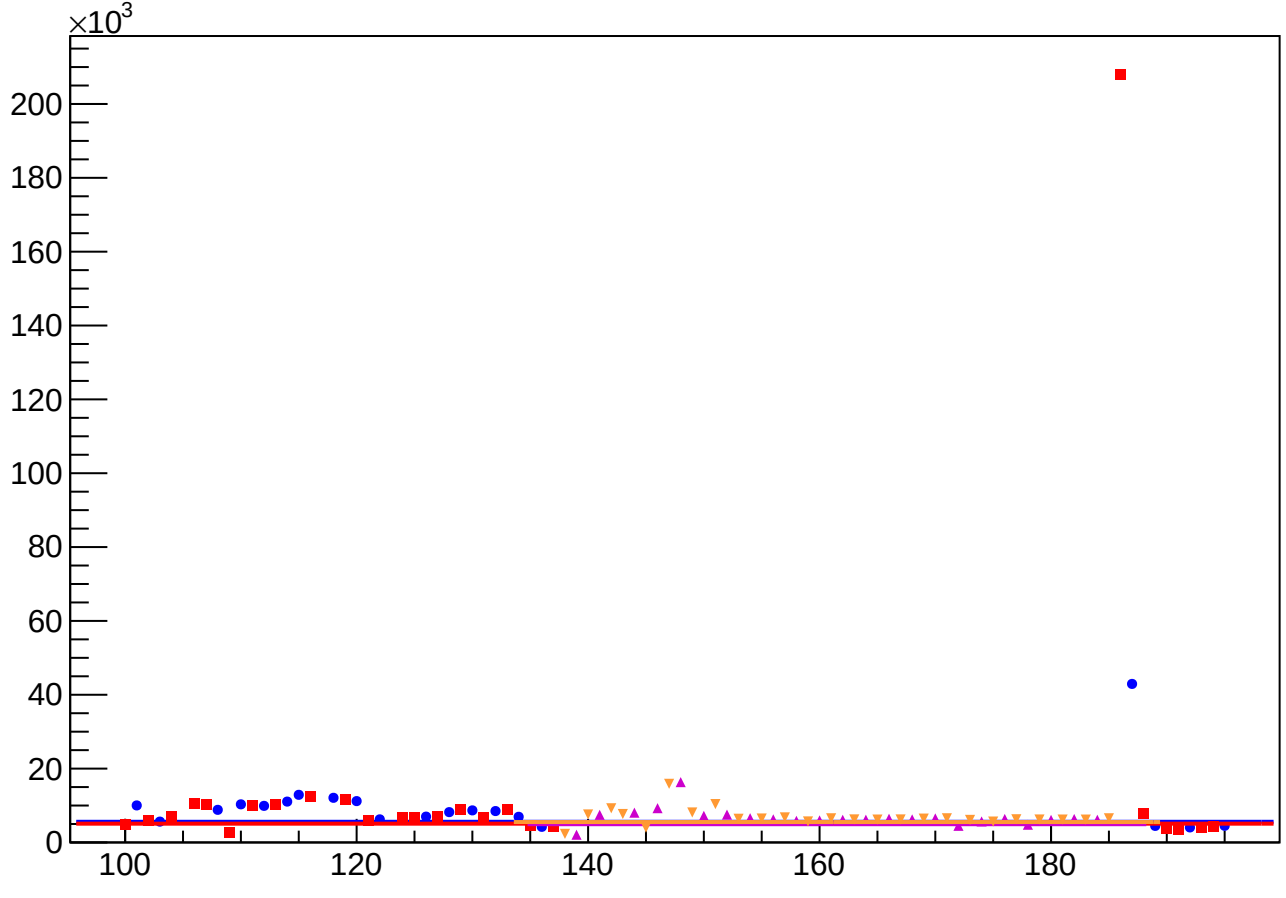
Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

Right: 1.833+/-1.303 χ^2/NDF: 48.5/44

In: 0.889+/-1.079 χ^2/NDF:47.2/42

Out: 1.349+/-1.078 χ^2/NDF:55.4/49

All: 1.119+/-0.763 χ^2/NDF: 102.6/92



Right In: 5598.468+/-1.382 χ^2/NDF: 2587836.2/19

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 5086.911+/-1.237 χ^2/NDF: 3640410.1/24

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

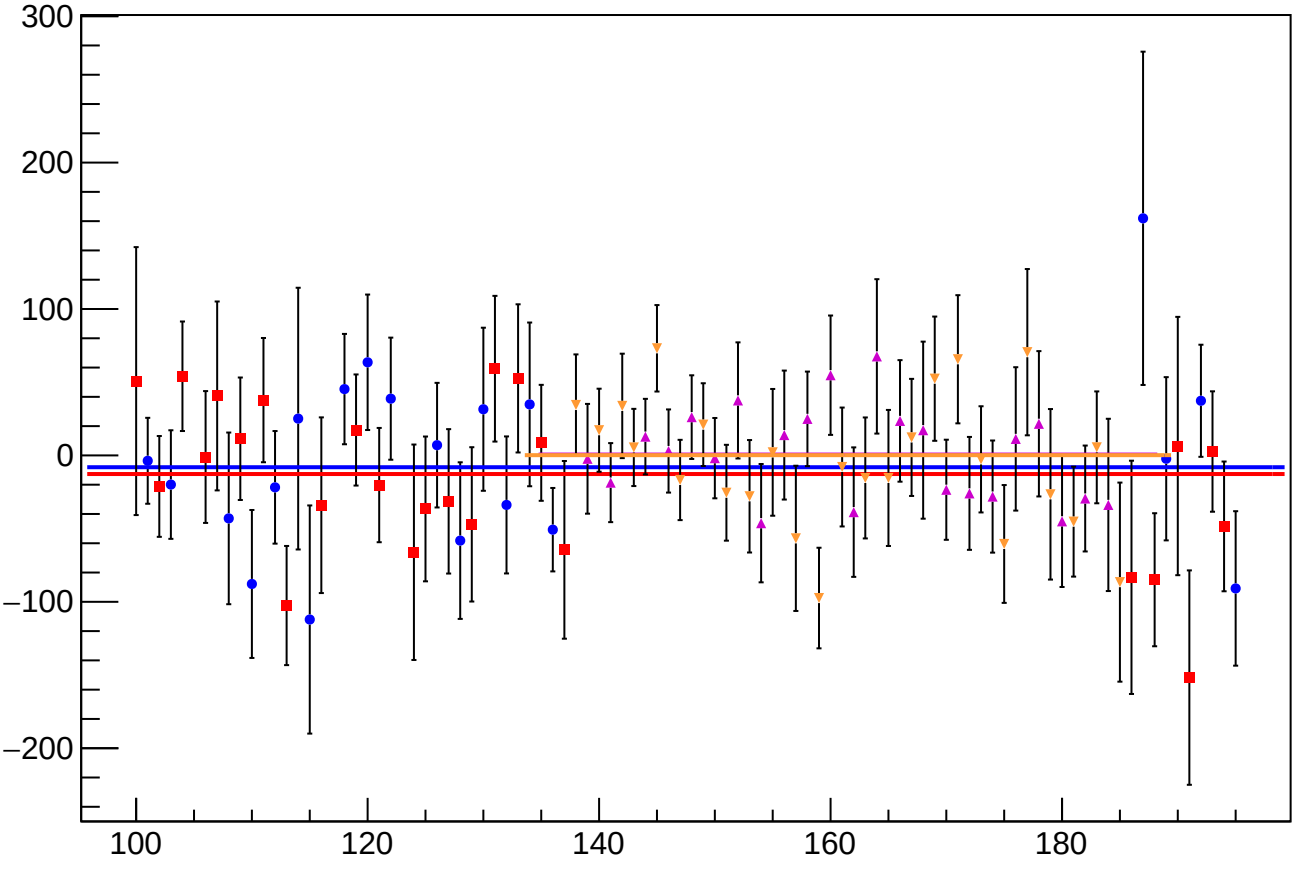
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 5314.535+/-0.922 χ^2/NDF: 6304336.2/44

In: 5142.200+/-0.763 χ^2/NDF:8680856.2/42

Out: 5360.505+/-0.762 χ^2/NDF:8094985.5/49

All: 5251.457+/-0.539 χ^2/NDF: 16816812.1/9



Right In: -8.067+/-10.022 χ^2/NDF: 21.4/19

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -12.718+/-9.579 χ^2/NDF: 25.7/24

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

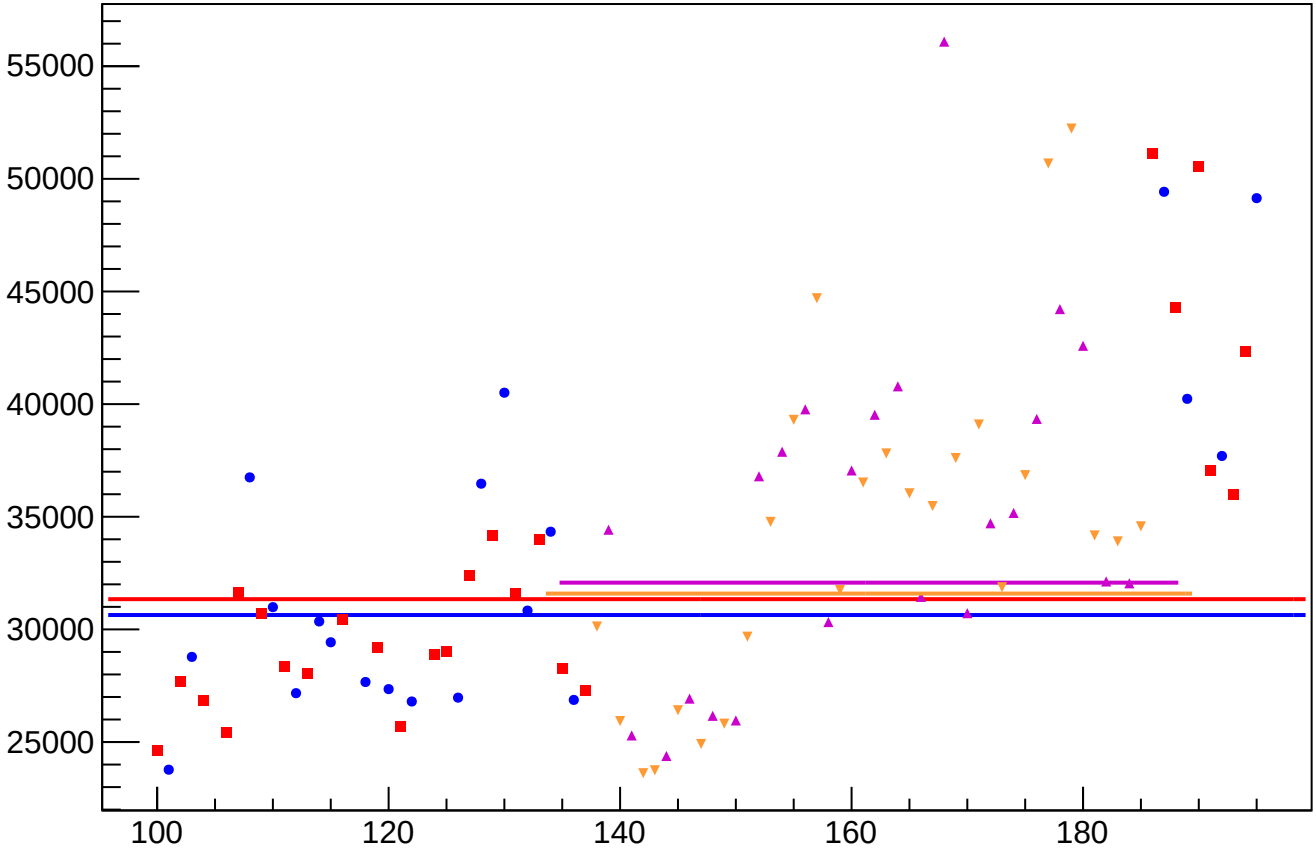
Right: -10.497+/-6.925 χ^2/NDF: 47.3/44

In: -2.609+/-6.089 χ^2/NDF:34.7/42

Out: -4.627+/-5.844 χ^2/NDF:58.0/49

All: -3.659+/-4.216 χ^2/NDF: 92.8/92

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 30638.512+/-7.086 χ^2/NDF: 765679.5/19

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 31342.184+/-6.774 χ^2/NDF: 749299.8/24

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

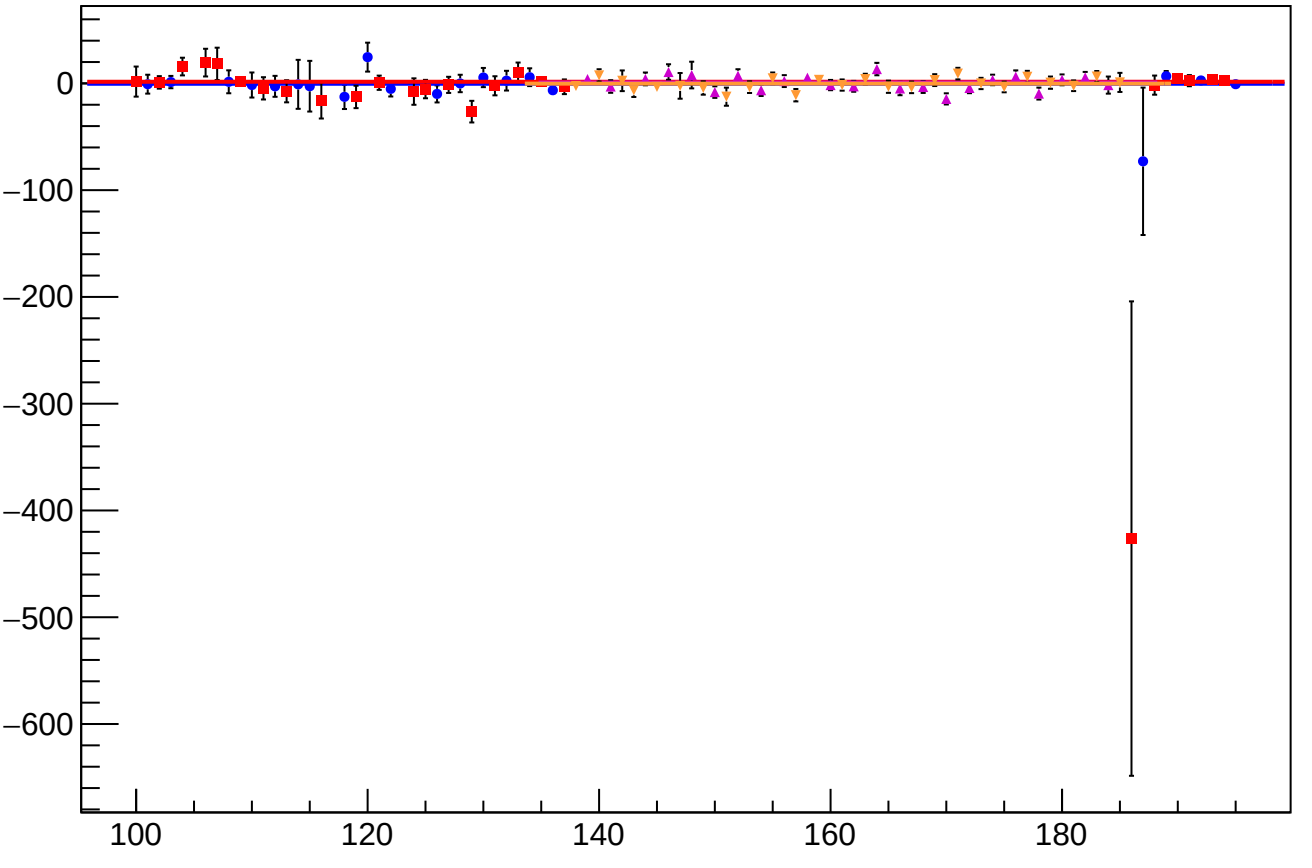
Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

Right: 31006.217+/-4.897 χ^2/NDF: 1520131.8/44

In: 31544.704+/-4.306 χ^2/NDF:2247317.7/42

Out: 31497.681+/-4.132 χ^2/NDF:2341006.9/49

All: 31520.225+/-2.981 χ^2/NDF: 4588386.6/9



Right In: -0.348+/-1.374 χ^2/NDF: 15.6/19

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 1.532+/-1.291 χ^2/NDF: 25.5/24

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

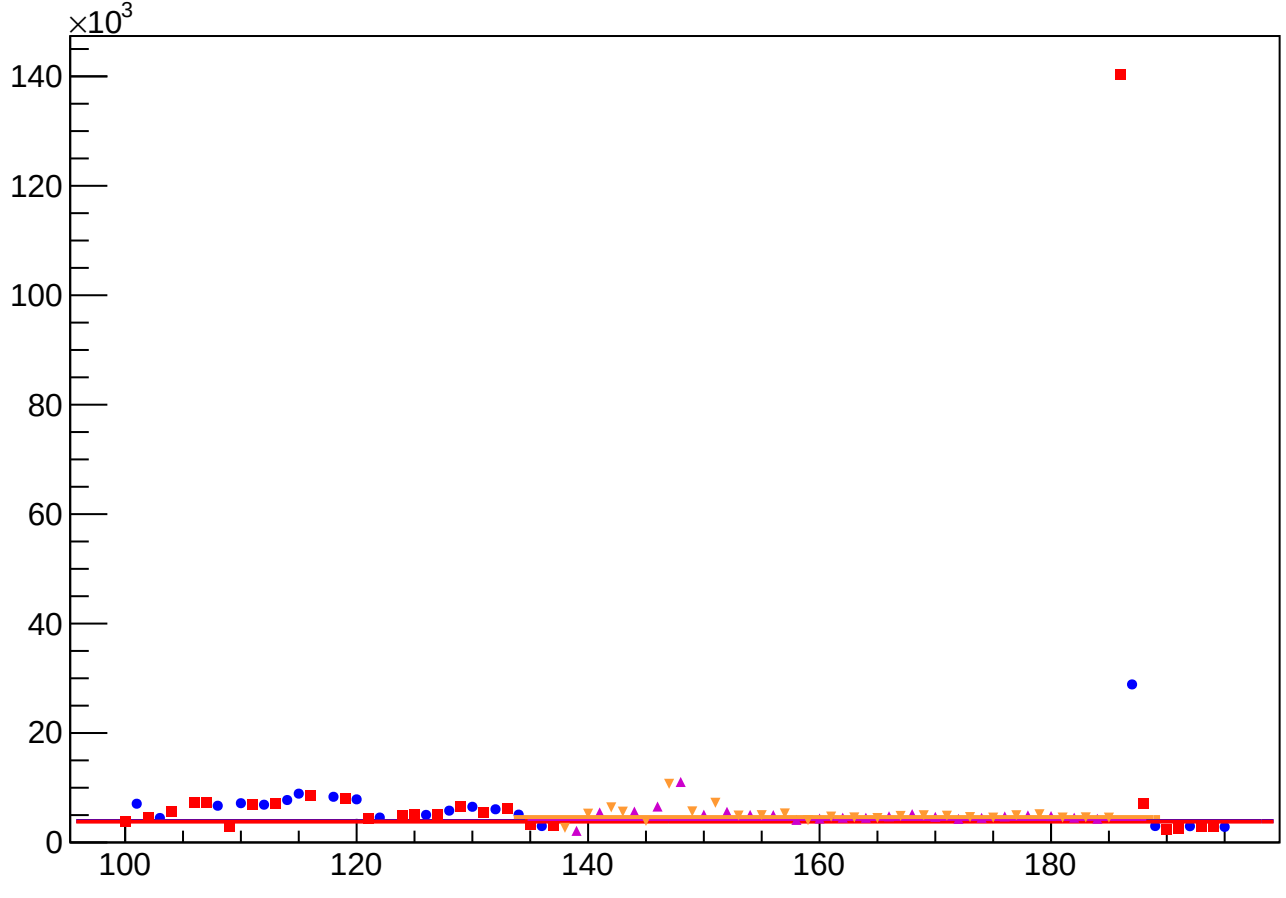
Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

Right: 0.651+/-0.941 χ^2/NDF: 42.1/44

In: 0.364+/-0.840 χ^2/NDF:49.8/42

Out: 0.509+/-0.835 χ^2/NDF:46.5/49

All: 0.437+/-0.592 χ^2/NDF: 96.3/92



Right In: 3918.318+/-0.972 χ^2/NDF: 2780922.3/19

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3813.777+/-0.913 χ^2/NDF: 3508948.7/24

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

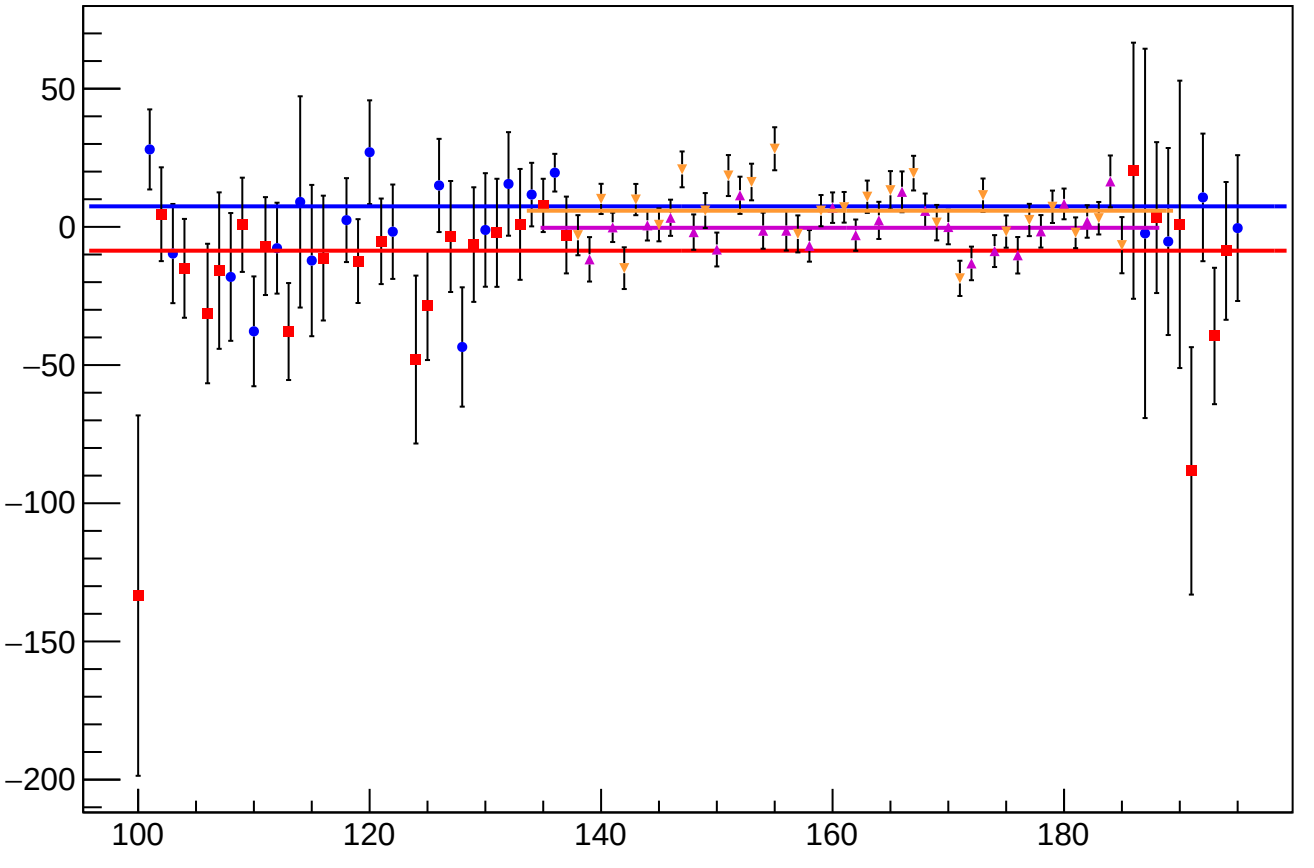
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 3862.772+/-0.665 χ^2/NDF: 6296019.6/44

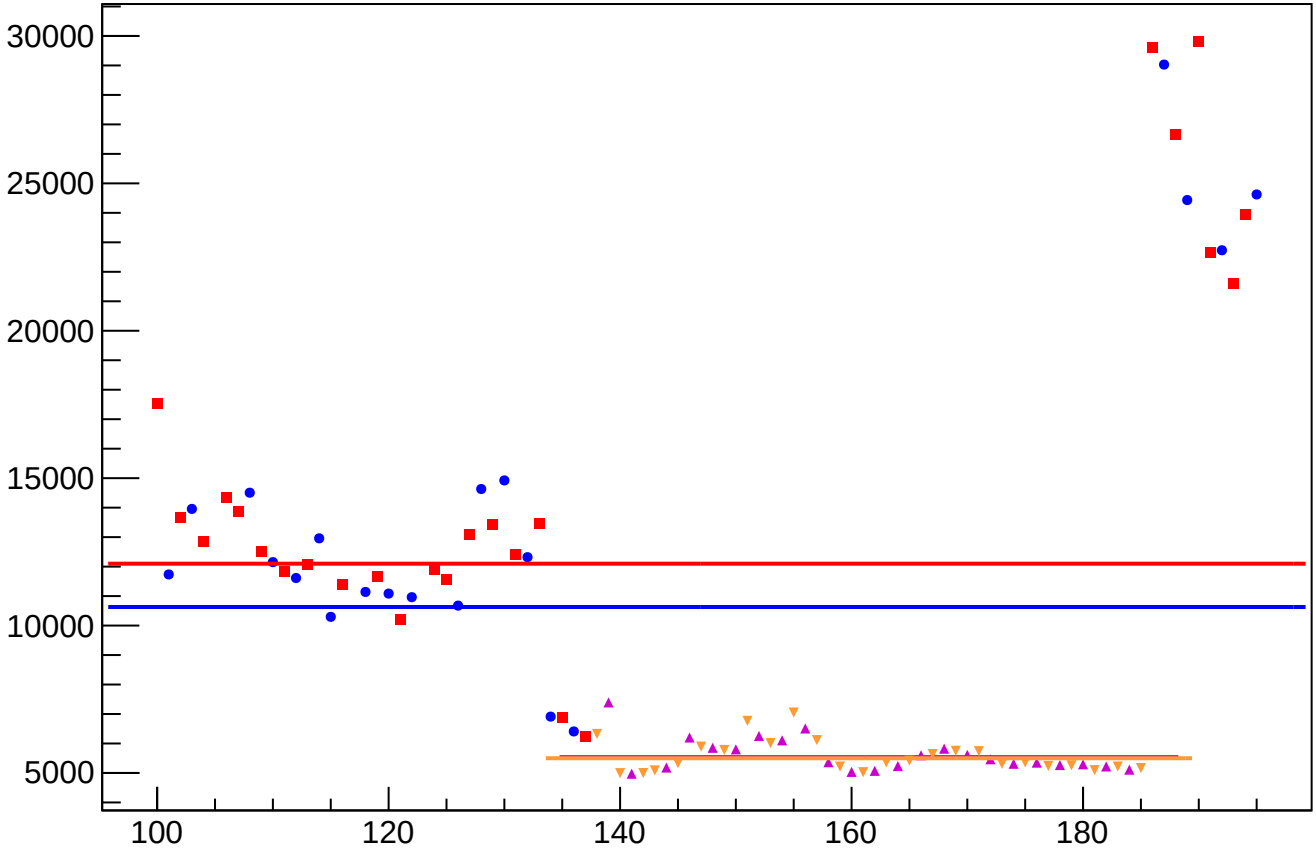
In: 4154.443+/-0.594 χ^2/NDF:5970731.3/42

Out: 4293.110+/-0.590 χ^2/NDF:5745971.3/49

All: 4224.201+/-0.419 χ^2/NDF: 11744143.0/9


diff_bpm16X_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
Right In: 7.428+/-3.702 χ²/NDF: 21.9/19
Left Out: 5.849+/-1.257 χ²/NDF:60.0/24
Right Out: -8.616+/-3.909 χ²/NDF: 20.0/24
Left In: -0.337+/-1.301 χ²/NDF:29.4/22
Left: 2.861+/-0.904 χ²/NDF: 101.1/47
Right: -0.159+/-2.688 χ²/NDF: 50.8/44
In: 0.516+/-1.227 χ²/NDF:55.2/42
Out: 4.493+/-1.197 χ²/NDF:92.4/49
All: 2.554+/-0.857 χ²/NDF: 153.0/92

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10629.503+/-2.618 χ^2/NDF: 2912084.9/19

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 12098.842+/-2.764 χ^2/NDF: 3003476.5/24

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

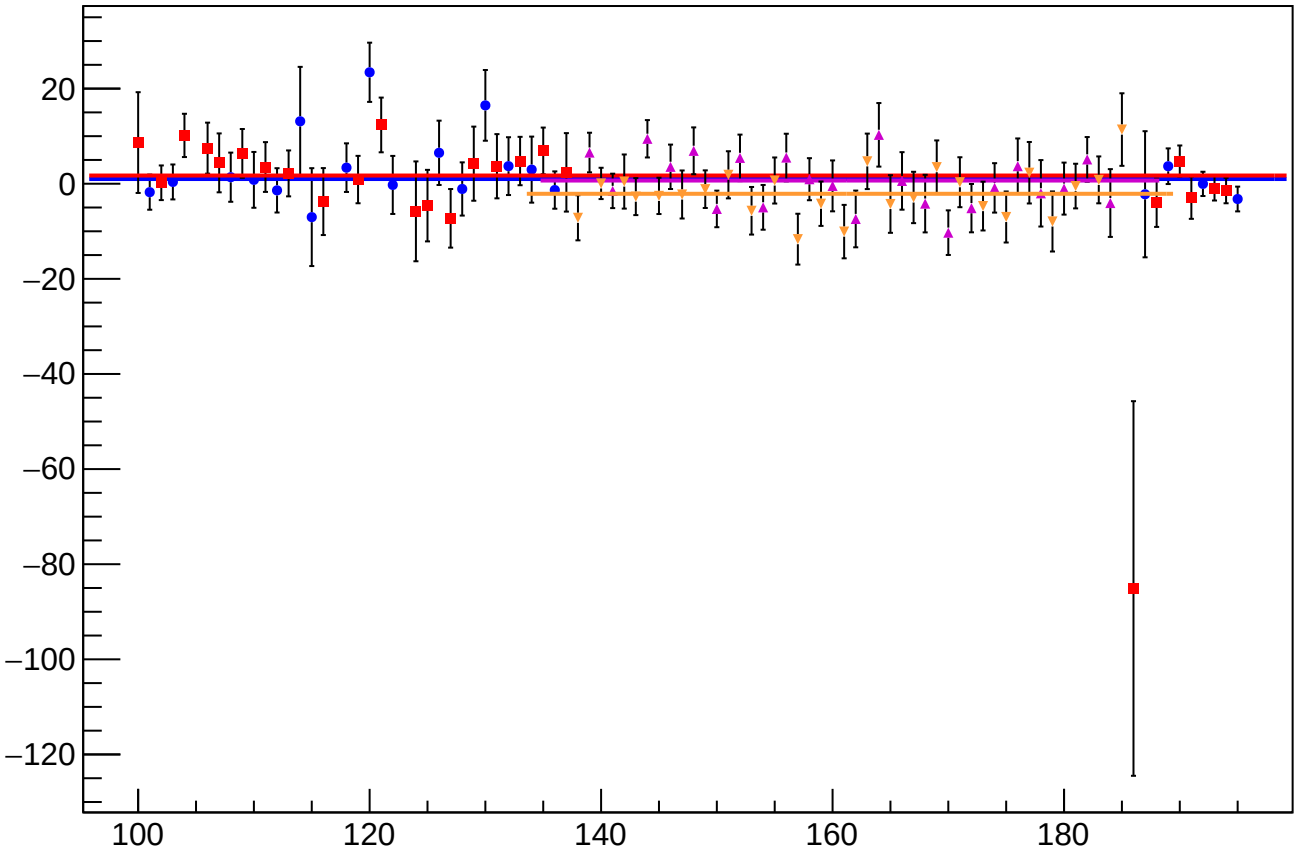
Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

Right: 11324.310+/-1.901 χ^2/NDF: 6064507.0/44

In: 6097.200+/-0.868 χ^2/NDF:6583014.8/42

Out: 6118.011+/-0.846 χ^2/NDF:8467107.1/49

All: 6107.865+/-0.606 χ^2/NDF: 15050416.6/9



Right In: 0.989+/-1.036 χ^2/NDF: 25.0/19

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.725+/-0.970 χ^2/NDF: 26.0/24

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

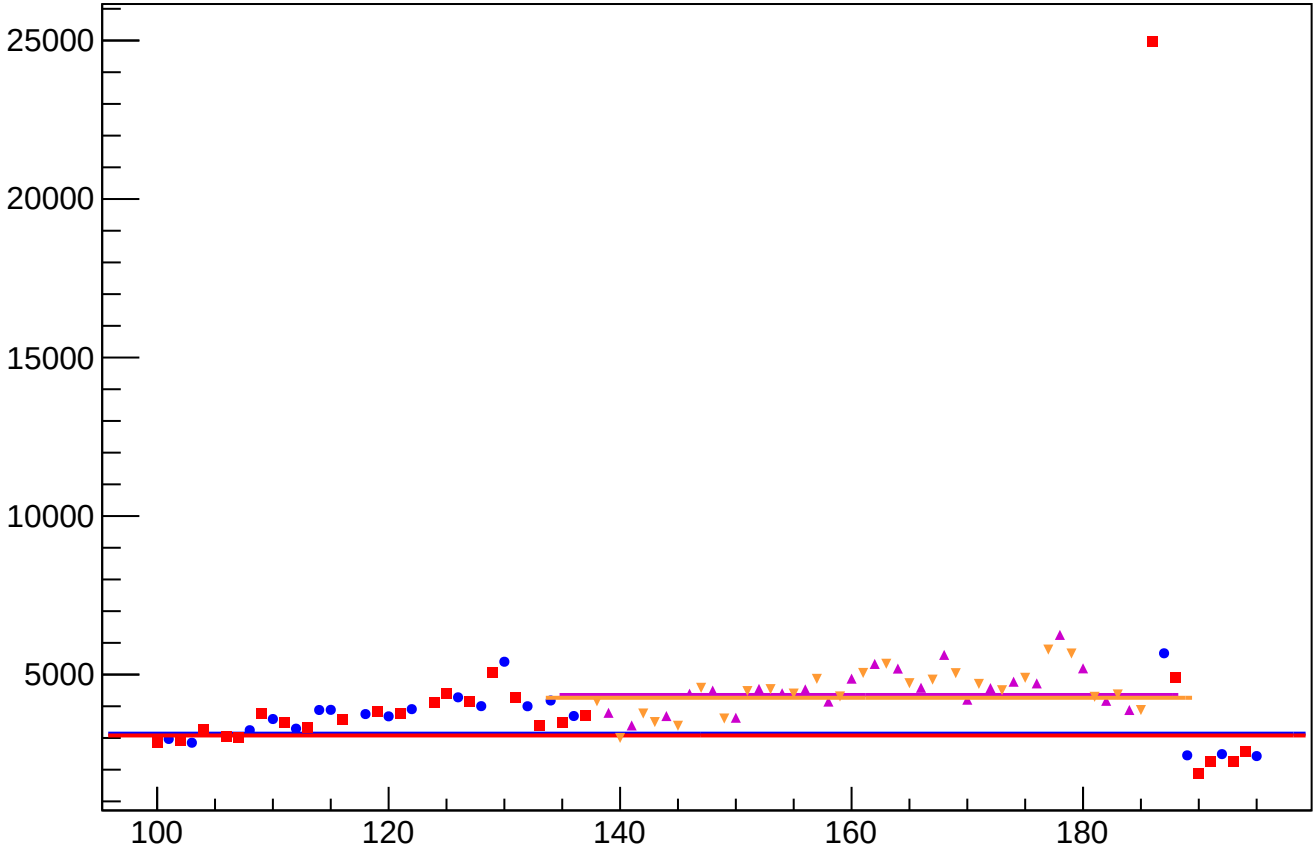
Right: 1.381+/-0.708 χ^2/NDF: 51.2/44

In: 0.829+/-0.731 χ^2/NDF:53.4/42

Out: -0.162+/-0.692 χ^2/NDF:51.2/49

All: 0.306+/-0.503 χ^2/NDF: 105.5/92

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3135.818+/-0.733 χ^2/NDF: 960819.0/19

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3078.917+/-0.686 χ^2/NDF: 2022870.3/24

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

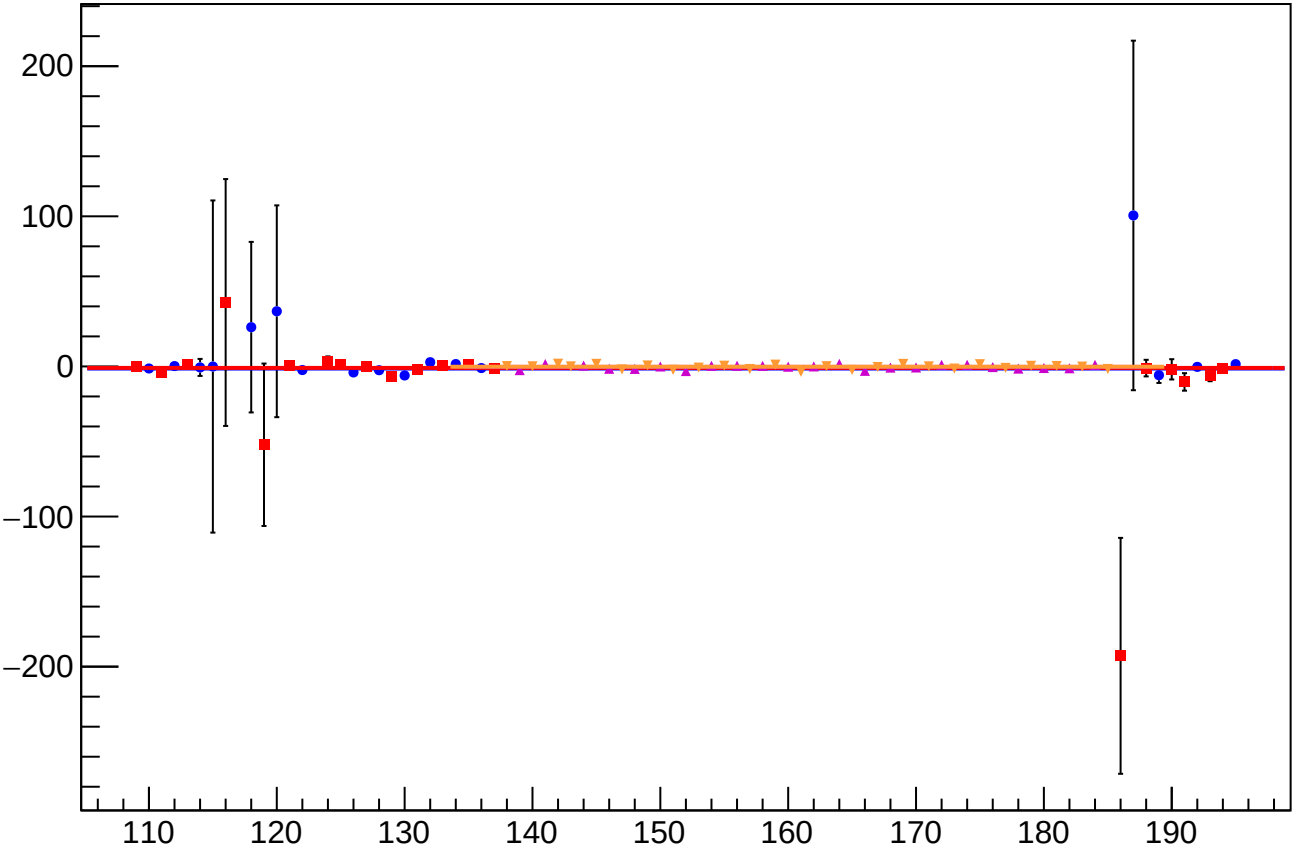
Right: 3105.494+/-0.501 χ^2/NDF: 2986901.6/44

In: 3749.155+/-0.517 χ^2/NDF:3096926.0/42

Out: 3662.970+/-0.489 χ^2/NDF:4532396.0/49

All: 3703.710+/-0.355 χ^2/NDF: 7643984.7/92

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.401+/-0.690 χ^2/NDF: 13.6/16

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.987+/-0.673 χ^2/NDF: 23.9/19

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

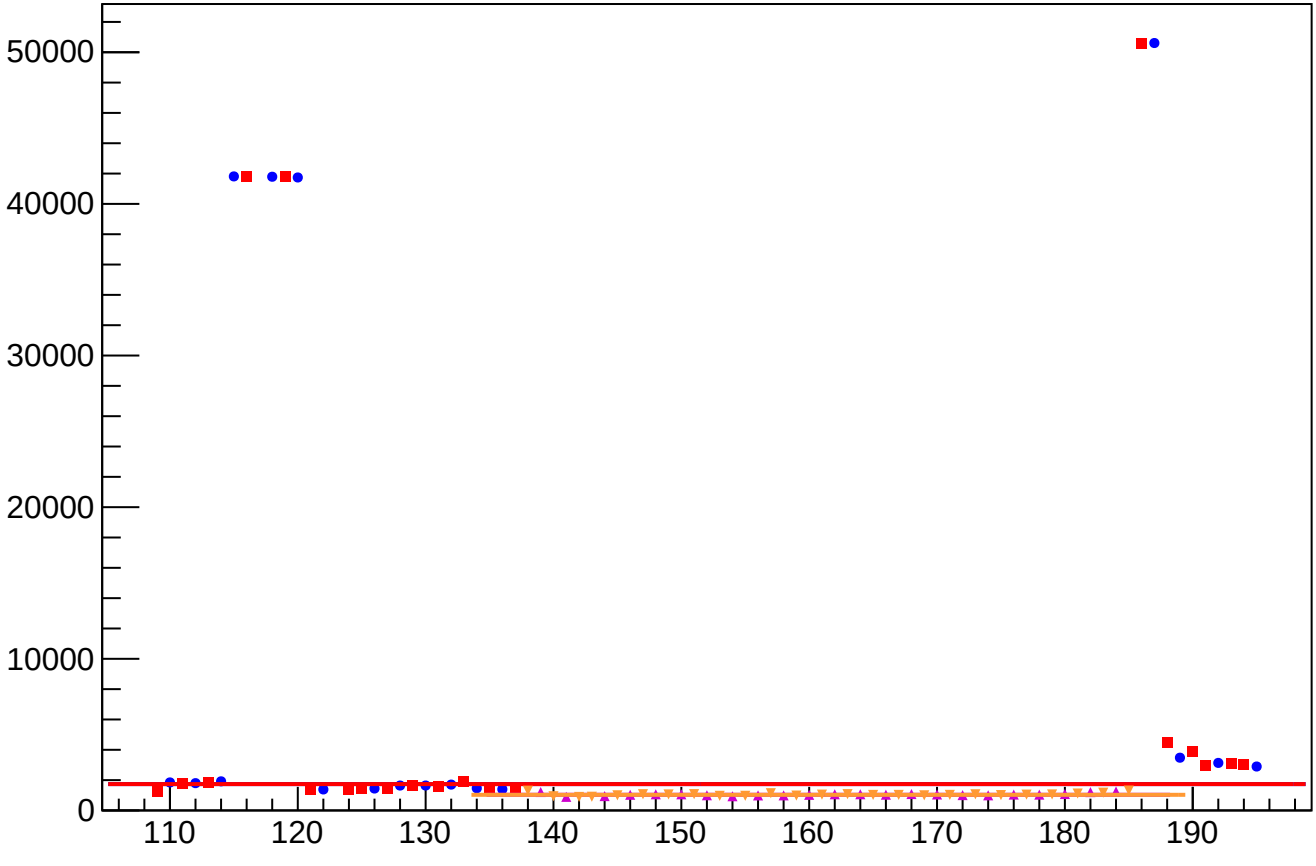
Right: -1.189+/-0.482 χ^2/NDF: 37.7/36

In: -0.450+/-0.228 χ^2/NDF:45.2/39

Out: -0.287+/-0.222 χ^2/NDF:59.0/44

All: -0.366+/-0.159 χ^2/NDF: 104.5/84

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1738.433+/-0.488 χ^2/NDF: 3366758.5/16

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1738.449+/-0.476 χ^2/NDF: 4093808.8/19

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

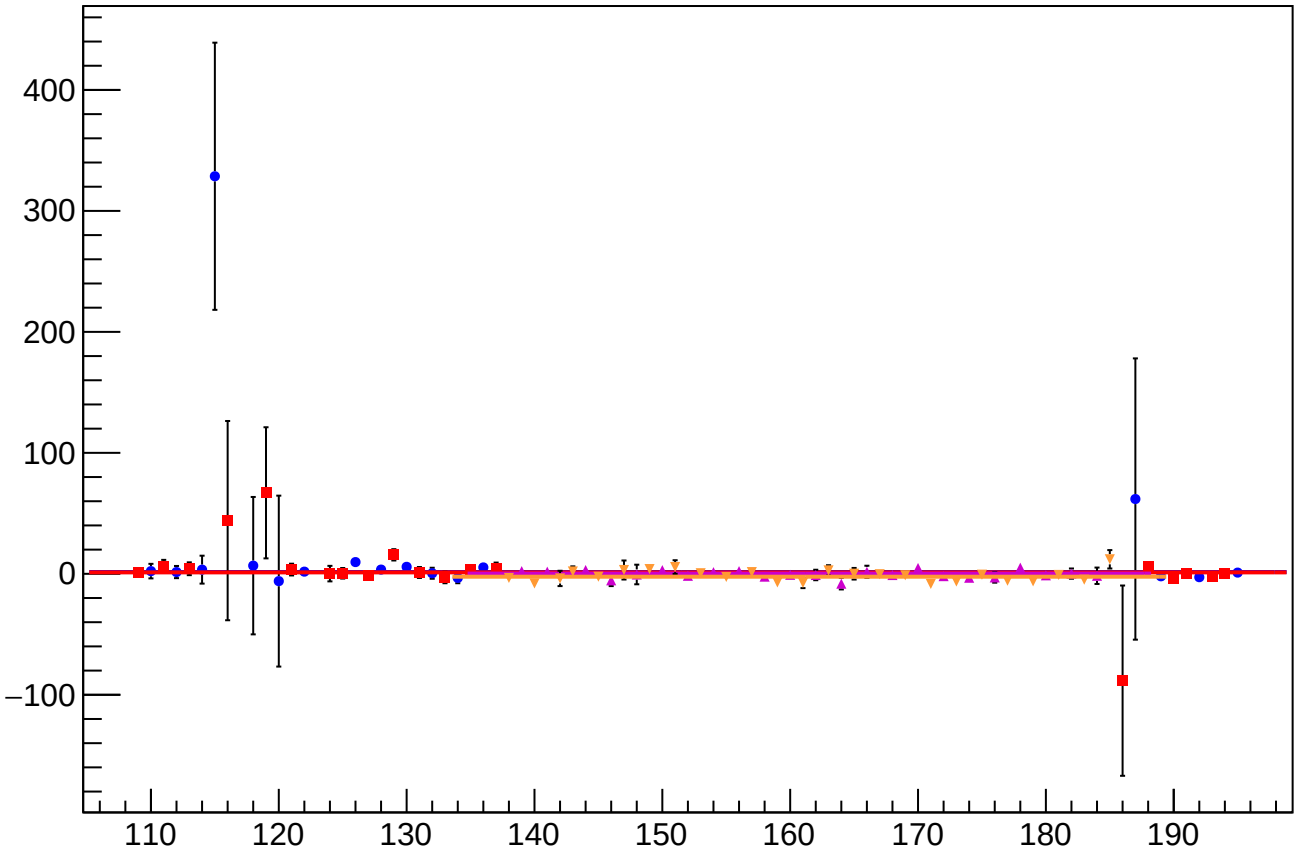
Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

Right: 1738.441+/-0.341 χ^2/NDF: 7460567.3/36

In: 1110.110+/-0.162 χ^2/NDF:5416707.6/39

Out: 1108.614+/-0.157 χ^2/NDF:6304592.7/44

All: 1109.341+/-0.113 χ^2/NDF: 11721344.3/8



Right In: 1.489+/-0.914 χ^2/NDF: 24.4/16

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 1.198+/-0.871 χ^2/NDF: 23.4/19

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

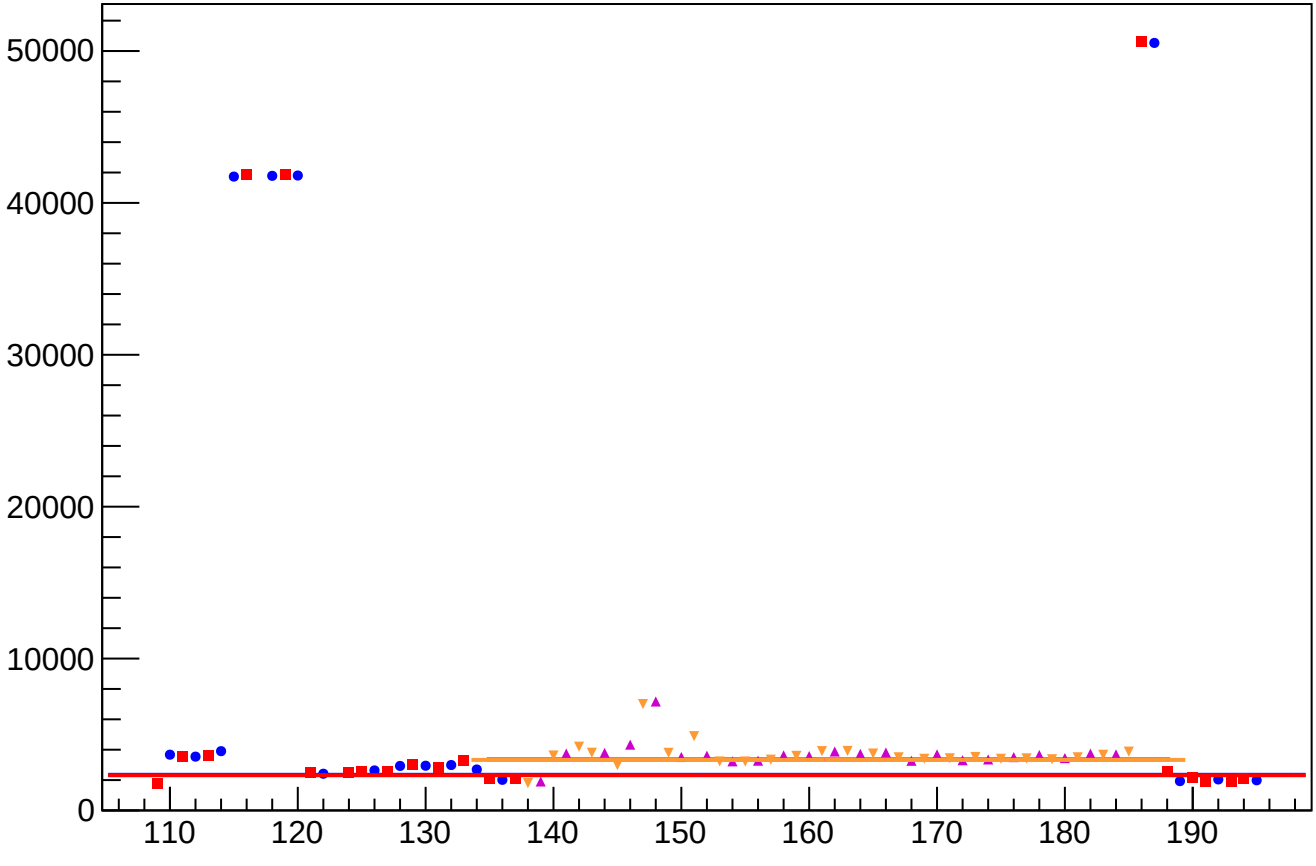
Right: 1.337+/-0.631 χ^2/NDF: 47.9/36

In: 0.750+/-0.606 χ^2/NDF:38.2/39

Out: -0.783+/-0.582 χ^2/NDF:57.0/44

All: -0.047+/-0.420 χ^2/NDF: 98.6/84

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2345.812+/-0.646 χ^2/NDF: 2763166.9/16

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2320.168+/-0.616 χ^2/NDF: 2890680.5/19

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

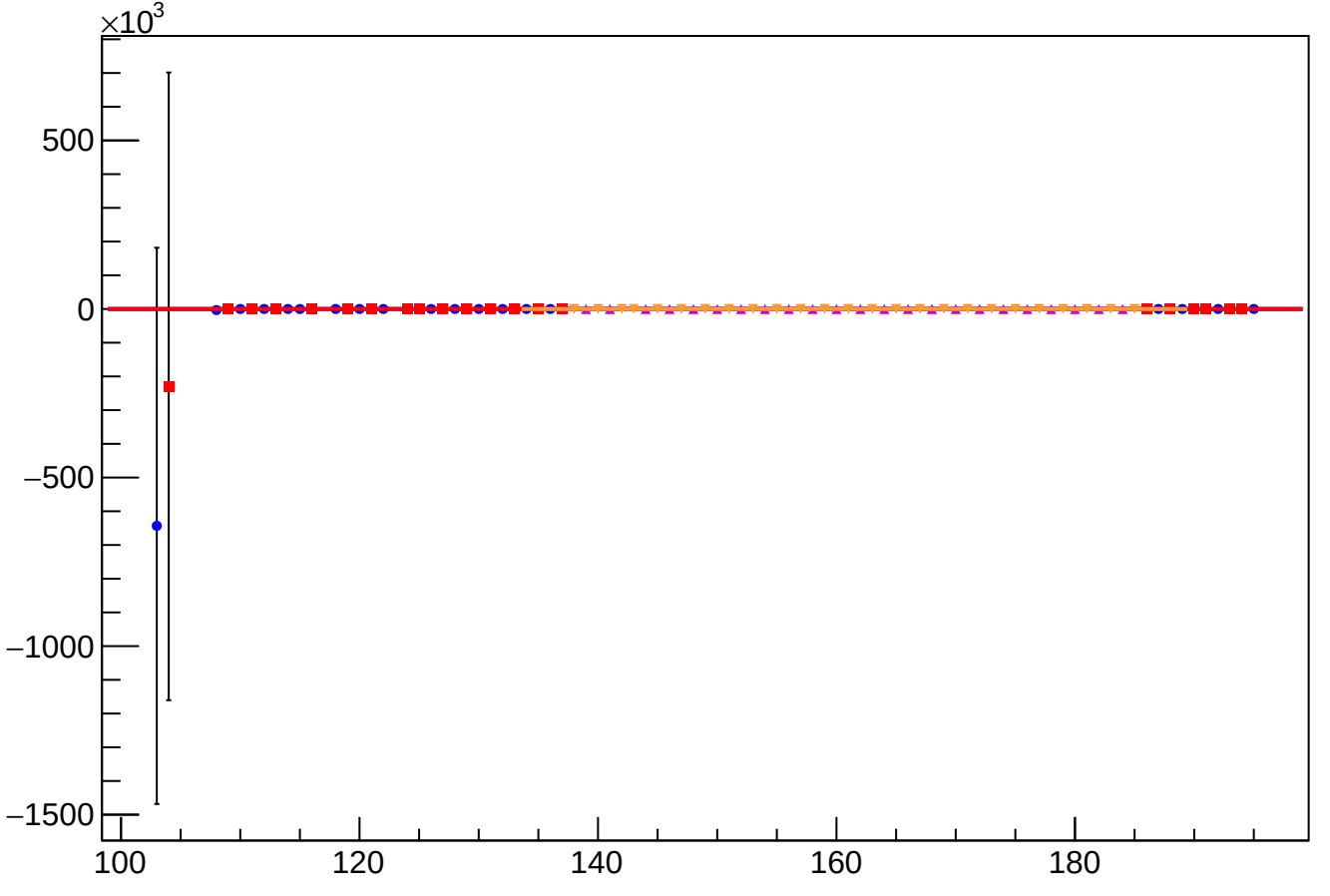
Right: 2332.373+/-0.446 χ^2/NDF: 5654672.5/36

In: 2914.564+/-0.429 χ^2/NDF:5794537.9/39

Out: 2878.293+/-0.411 χ^2/NDF:6289394.5/44

All: 2895.693+/-0.297 χ^2/NDF: 12087659.4/8

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -0.925+/-0.869 χ^2/NDF: 20.0/18

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.508+/-0.851 χ^2/NDF: 21.6/20

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

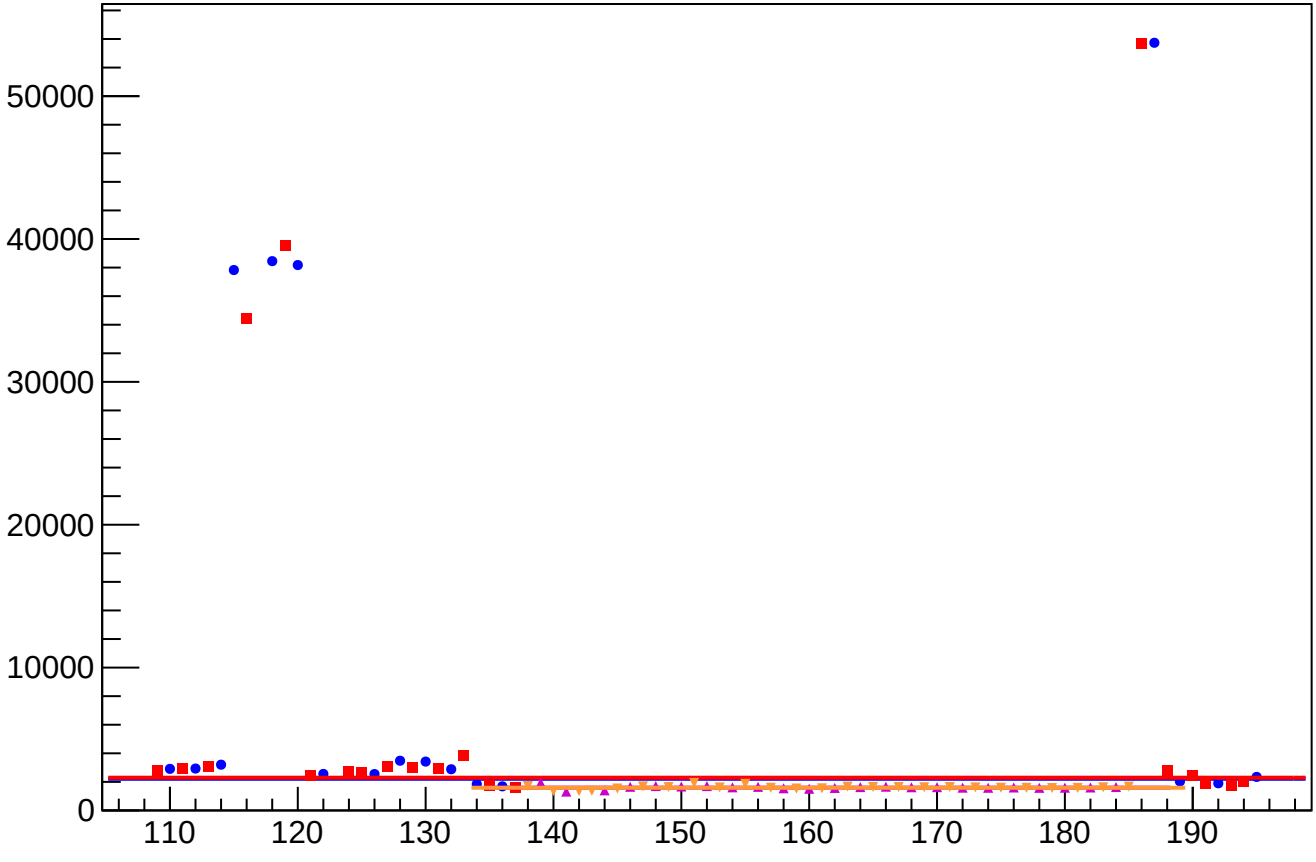
Right: 0.827+/-0.608 χ^2/NDF: 49.5/39

In: -0.160+/-0.344 χ^2/NDF:48.2/41

Out: -0.945+/-0.334 χ^2/NDF:91.3/45

All: -0.564+/-0.240 χ^2/NDF: 142.2/87

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2217.729+/-0.615 χ^2/NDF: 2891655.1/16

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2292.478+/-0.602 χ^2/NDF: 3136539.7/19

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

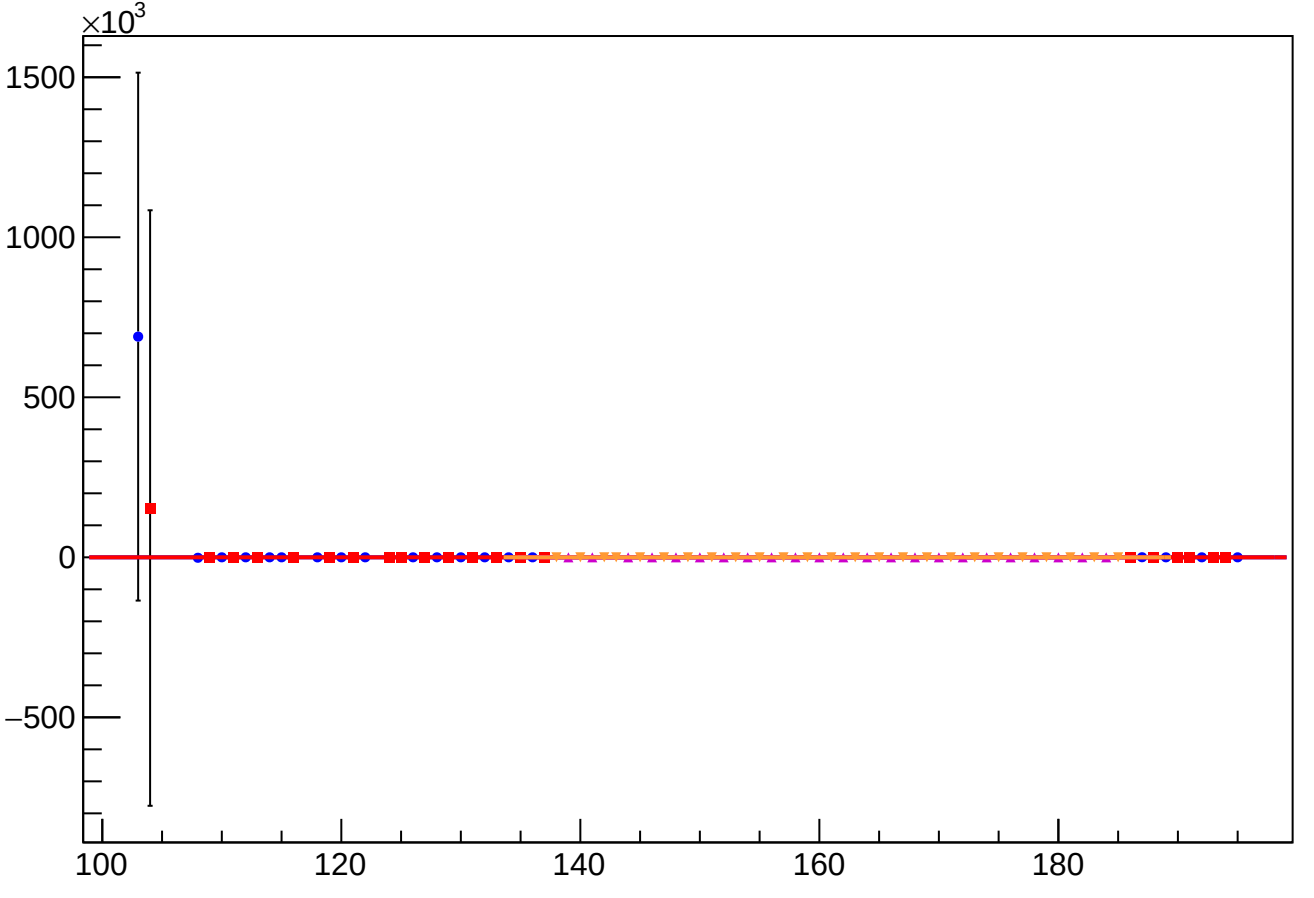
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2255.872+/-0.430 χ^2/NDF: 6035743.2/36

In: 1693.480+/-0.243 χ^2/NDF:3951147.2/39

Out: 1697.560+/-0.236 χ^2/NDF:4522795.0/44

All: 1695.580+/-0.169 χ^2/NDF: 8474087.1/84



Right In: 0.580+/-0.762 χ^2/NDF: 12.6/18

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.475+/-0.726 χ^2/NDF: 24.4/20

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

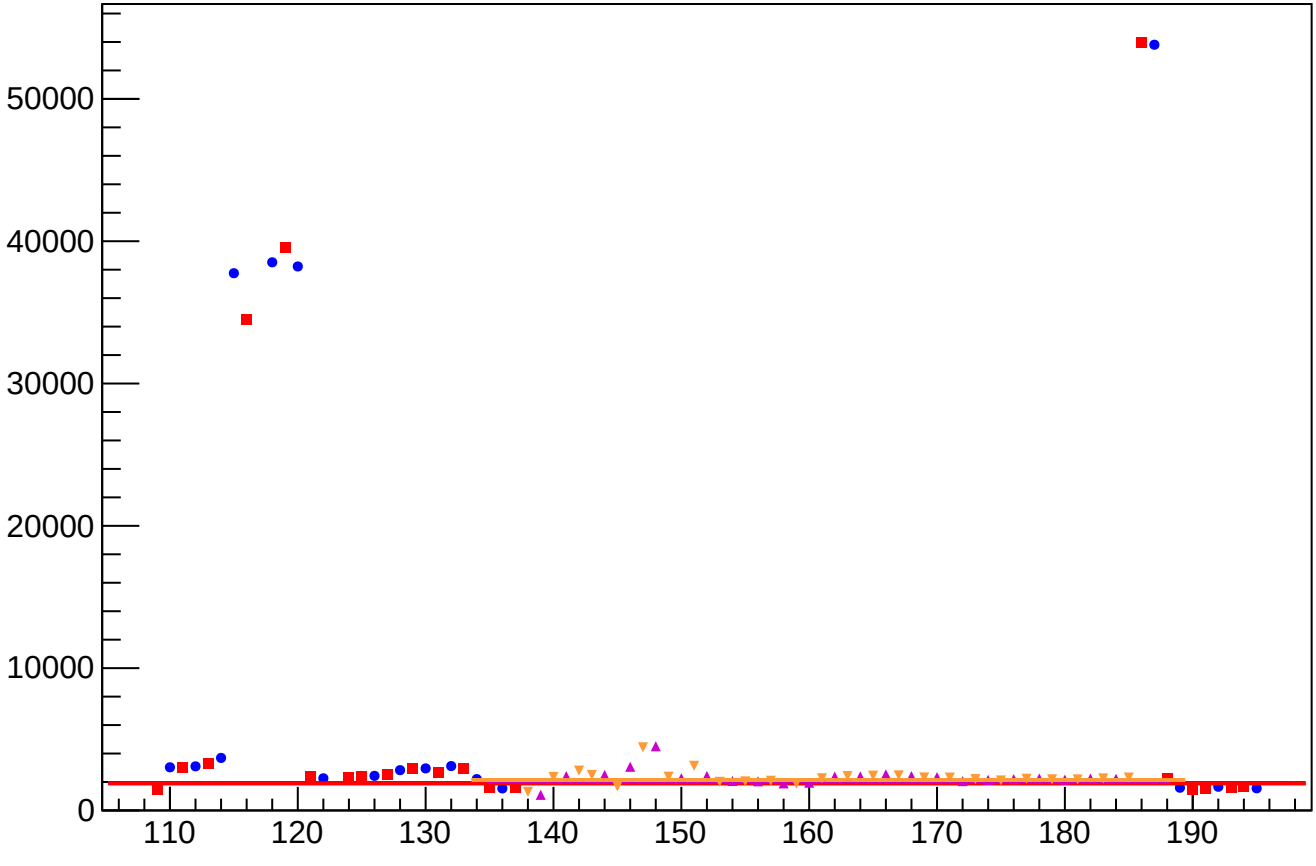
Right: 0.525+/-0.526 χ^2/NDF: 37.0/39

In: 0.089+/-0.419 χ^2/NDF:30.1/41

Out: -0.643+/-0.413 χ^2/NDF:52.3/45

All: -0.282+/-0.294 χ^2/NDF: 83.9/87

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1919.668+/-0.539 χ^2/NDF: 3208703.8/16

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1905.271+/-0.513 χ^2/NDF: 3313999.6/19

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

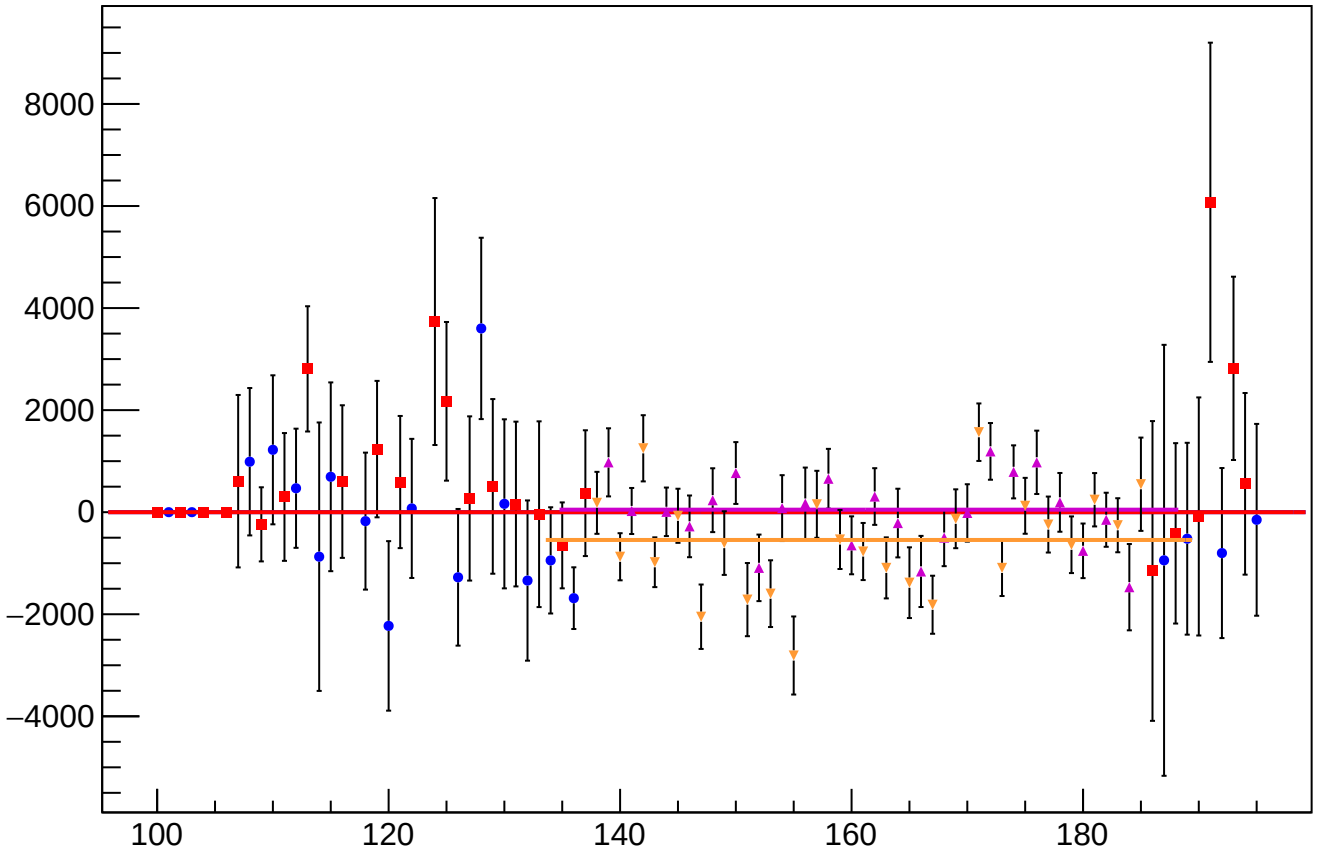
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

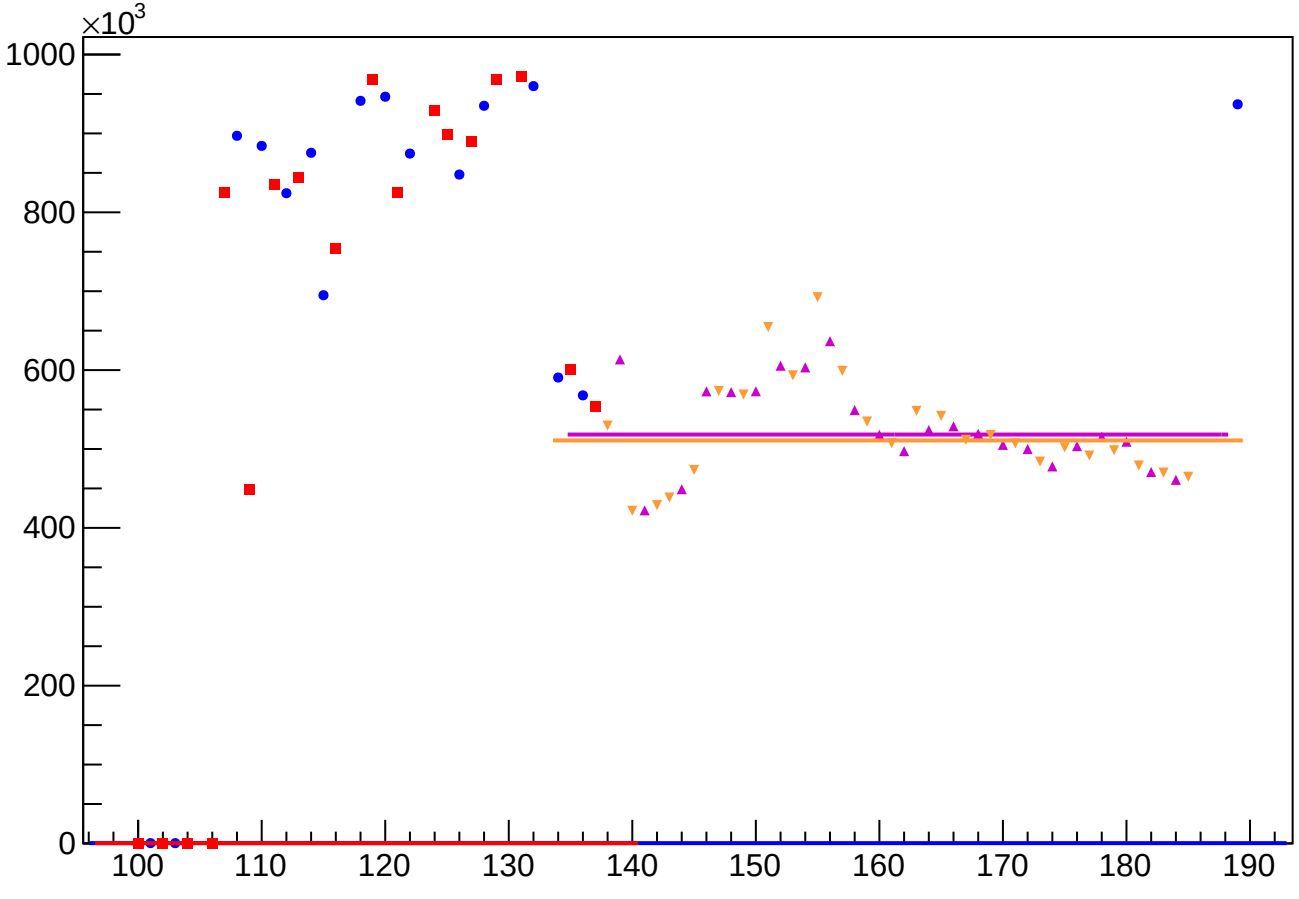
Right: 1912.125+/-0.372 χ^2/NDF: 6523077.7/36

In: 2016.347+/-0.296 χ^2/NDF:5548481.4/39

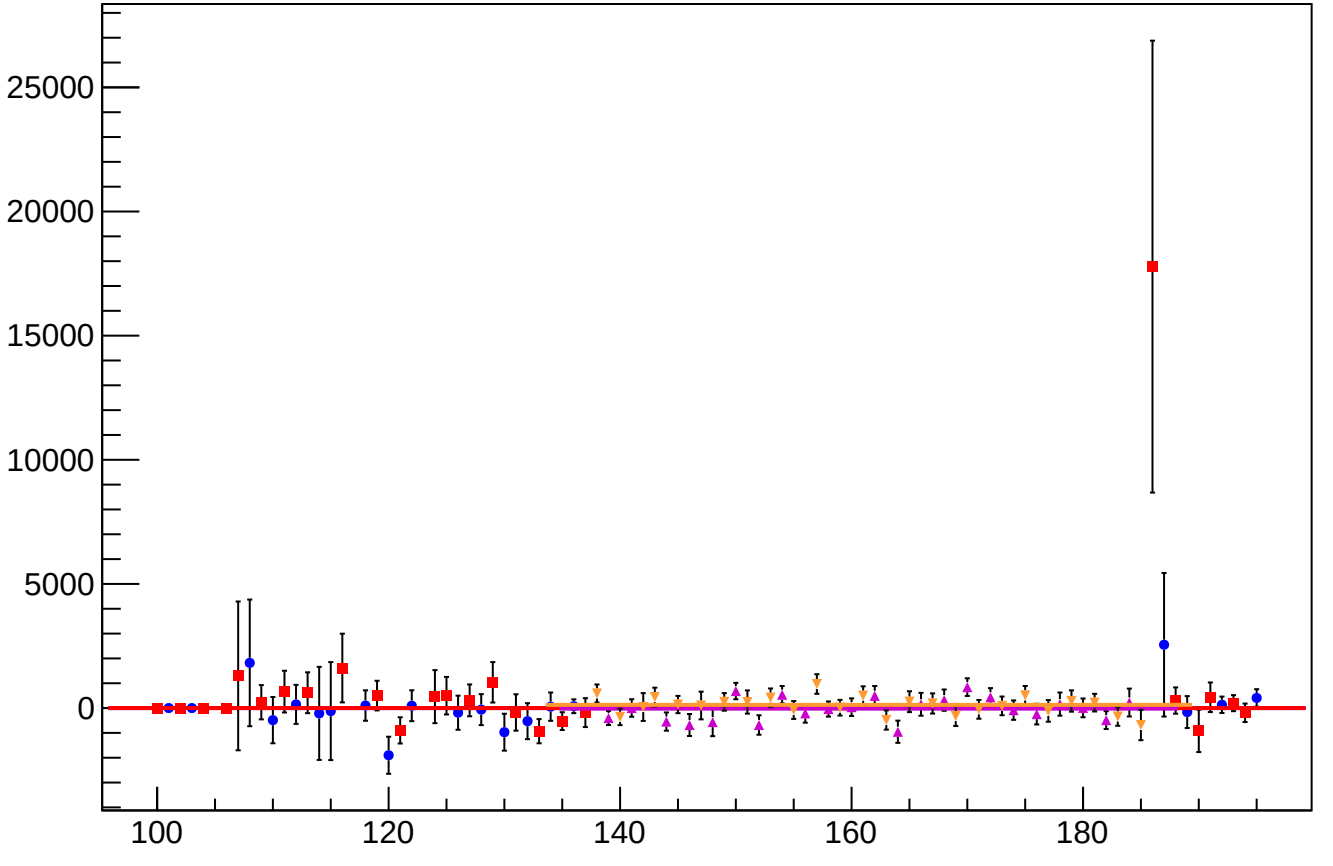
Out: 2063.475+/-0.292 χ^2/NDF:4934443.8/44

All: 2040.225+/-0.208 χ^2/NDF: 10495762.2/8


diff_cav4bX_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
Right In: 0.255+/-0.356 χ²/NDF: 18.1/19
Left Out: -544.414+/-117.154 χ²/NDF:60.9/24
Right Out: -0.096+/-0.328 χ²/NDF: 22.0/24
Left In: 49.119+/-121.932 χ²/NDF:28.0/22
Left: -259.505+/-84.479 χ²/NDF: 101.1/47
Right: 0.065+/-0.241 χ²/NDF: 40.6/44
In: 0.256+/-0.356 χ²/NDF:46.2/42
Out: -0.100+/-0.328 χ²/NDF:104.4/49
All: 0.063+/-0.241 χ²/NDF: 151.2/92


diff_cav4bX_rms vs Slug, Sign Corrected
×10^3
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 398.894+/-0.251 χ²/NDF: 8685185.3/15
Left Out: 510811.545+/-82.841 χ²/NDF:509606.7/24
Right Out: 393.240+/-0.232 χ²/NDF: 7648578.2/17
Left In: 518313.411+/-86.219 χ²/NDF:399884.6/22
Left: 514412.615+/-59.736 χ²/NDF: 913427.9/47
Right: 395.837+/-0.170 χ²/NDF: 16334036.8/33
In: 403.300+/-0.251 χ²/NDF:45168150.0/38
Out: 397.235+/-0.232 χ²/NDF:46121298.2/42
All: 400.021+/-0.170 χ²/NDF: 91289762.7/81

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 12.8/19

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 21.5/24

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

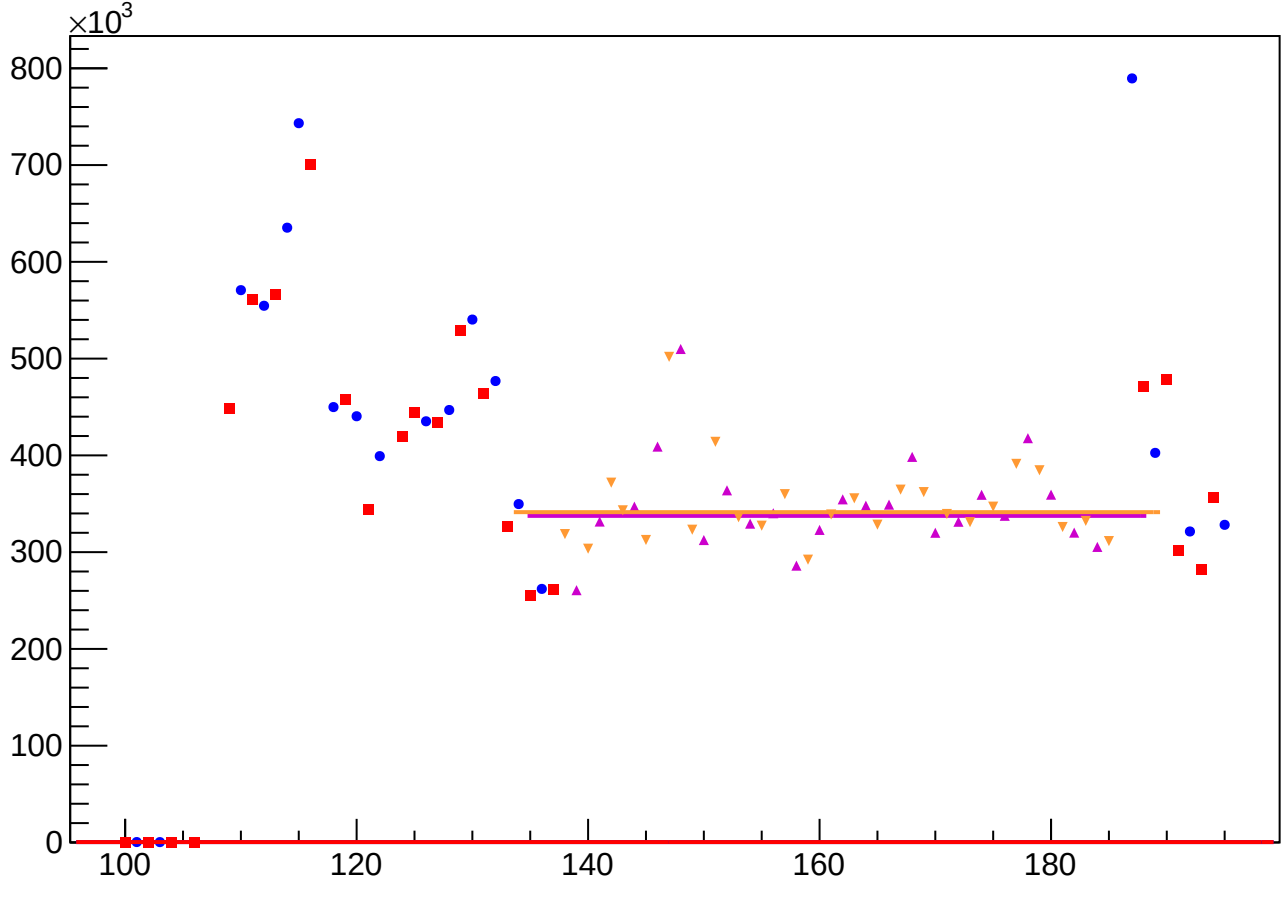
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.329+/-0.237 χ^2/NDF: 35.8/44

In: -0.020+/-0.347 χ^2/NDF:46.6/42

Out: -0.596+/-0.324 χ^2/NDF:44.3/49

All: -0.328+/-0.237 χ^2/NDF: 92.3/92



Right In: 391.065+/-0.245 χ^2/NDF: 15550449.7/18

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 388.866+/-0.229 χ^2/NDF: 17100786.6/22

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

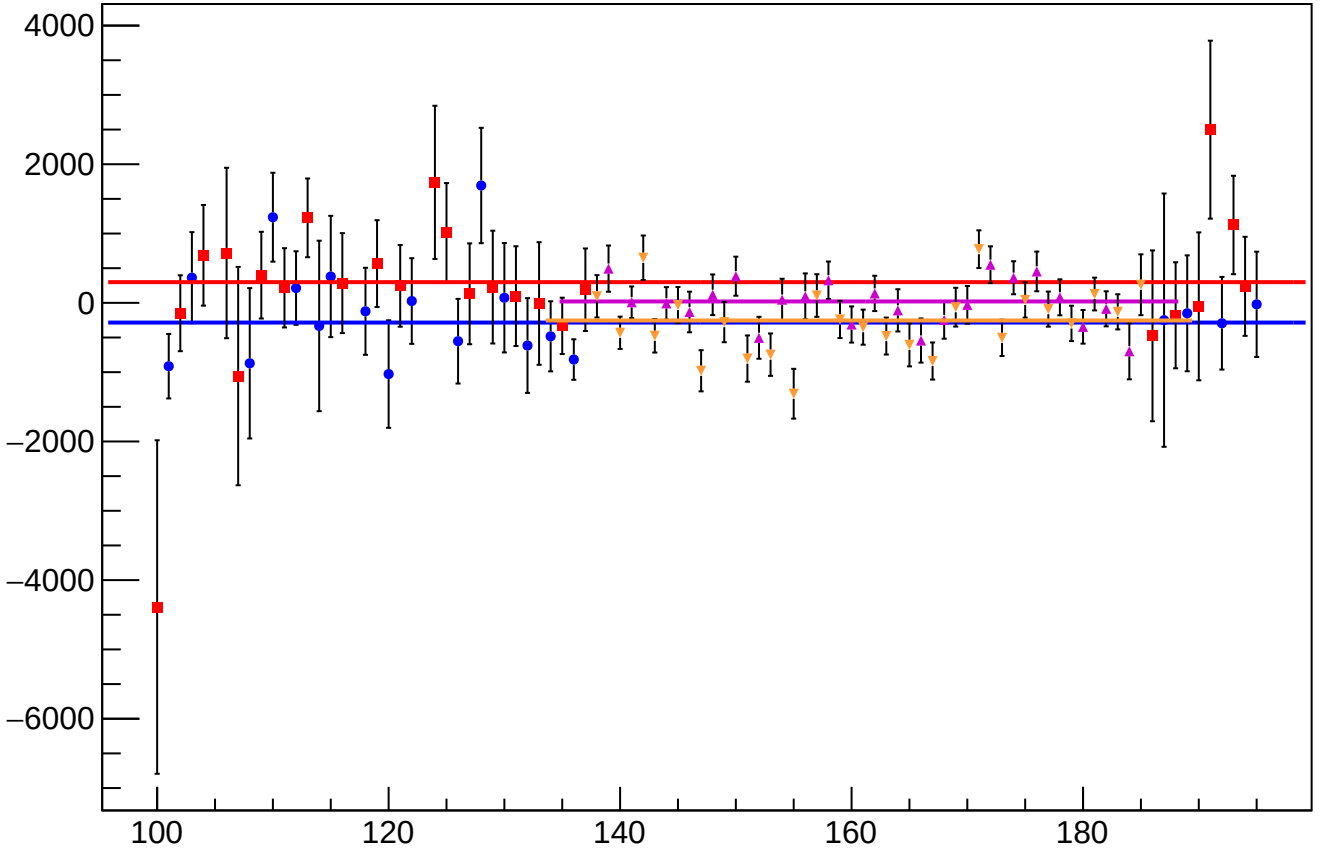
Right: 389.889+/-0.167 χ^2/NDF: 32651279.2/41

In: 397.448+/-0.245 χ^2/NDF:51868903.0/41

Out: 394.704+/-0.229 χ^2/NDF:55472108.1/47

All: 395.981+/-0.167 χ^2/NDF: 107341078.0/8

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -284.446+/-139.009 χ^2/NDF: 21.3/19

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 298.759+/-143.472 χ^2/NDF: 19.1/24

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

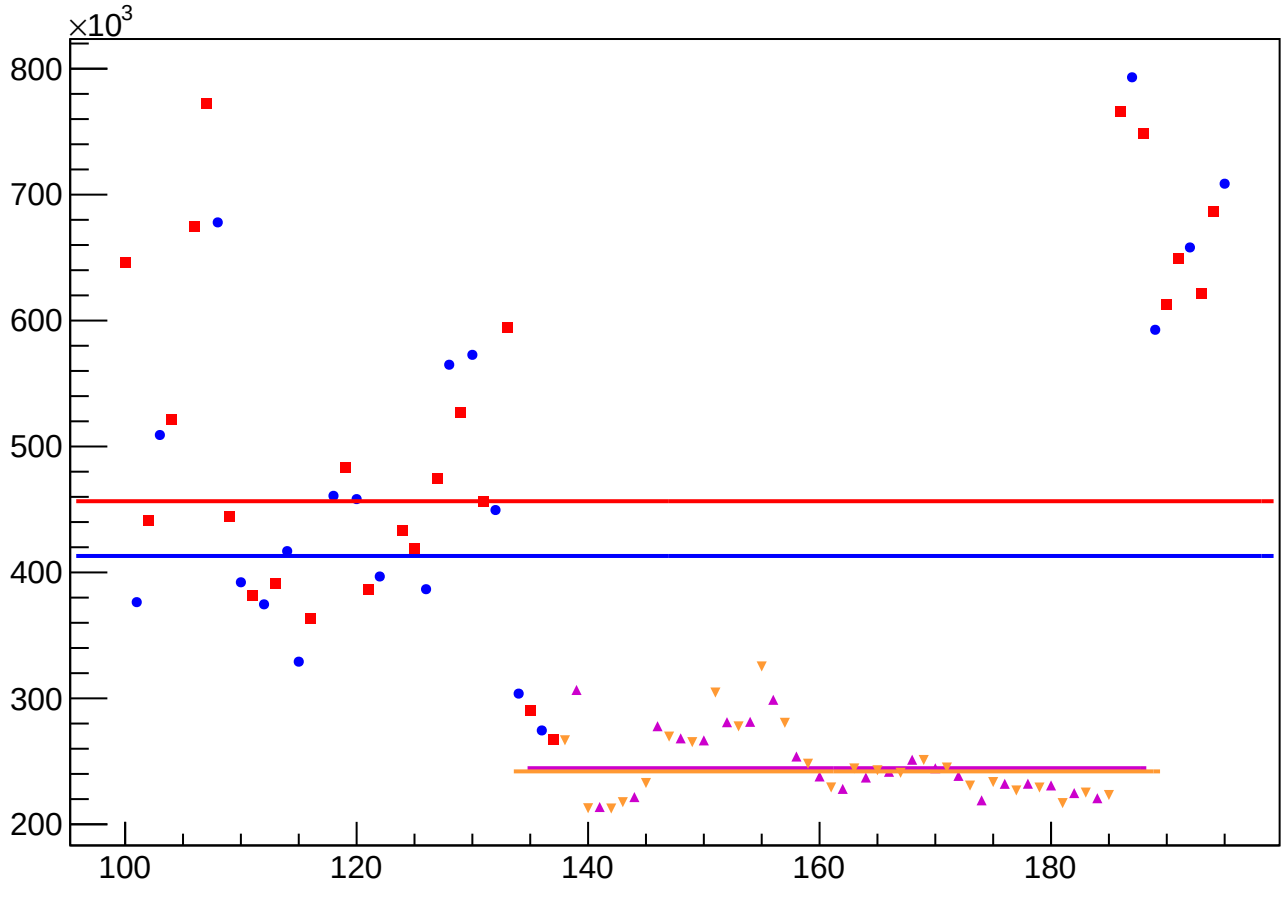
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

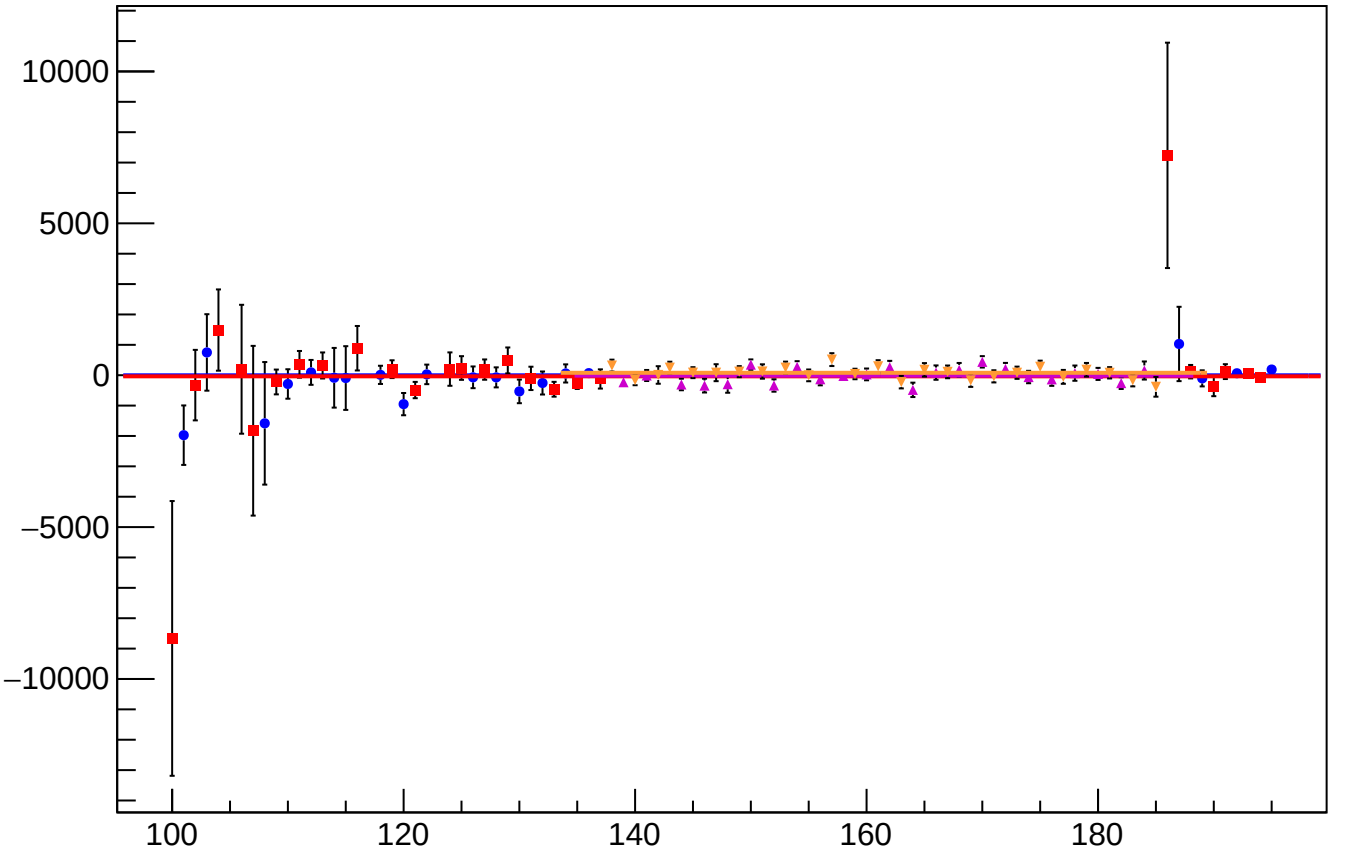
Right: -2.055+/-99.835 χ^2/NDF: 48.9/44

In: -24.309+/-53.121 χ^2/NDF:54.0/42

Out: -182.560+/-51.695 χ^2/NDF:93.3/49

All: -105.587+/-37.048 χ^2/NDF: 151.9/92


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
120
140
160
180
Right In: 413071.975+/-98.310 χ²/NDF: 1676323.9/19
Left Out: 242008.749+/-39.186 χ²/NDF:413236.1/24
Right Out: 456555.383+/-101.521 χ²/NDF: 1716204.9/24
Left In: 244542.686+/-40.647 χ²/NDF:361527.4/22
Left: 243229.356+/-28.211 χ²/NDF: 776777.7/47
Right: 434115.149+/-70.624 χ²/NDF: 3487204.3/44
In: 269146.478+/-37.563 χ²/NDF:4547517.1/42
Out: 269828.707+/-36.557 χ²/NDF:6016442.2/49
All: 269496.849+/-26.198 χ²/NDF: 1056412



Right In: -3.312+/-63.854 χ^2/NDF: 17.6/19

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -36.852+/-59.869 χ^2/NDF: 25.6/24

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

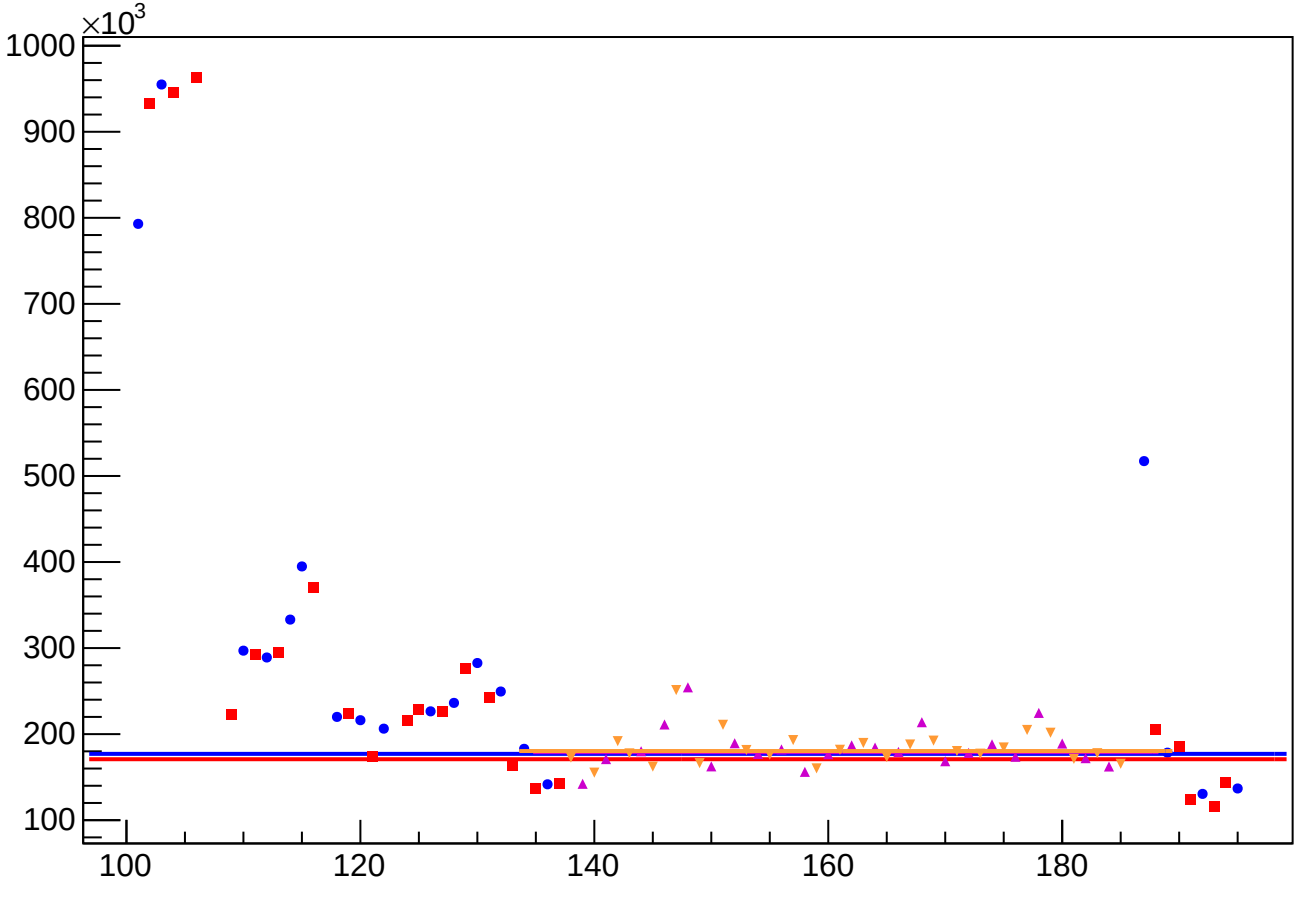
Right: -21.162+/-43.675 χ^2/NDF: 43.3/44

In: -10.770+/-35.226 χ^2/NDF:50.8/42

Out: 41.979+/-33.996 χ^2/NDF:47.9/49

All: 16.541+/-24.462 χ^2/NDF: 99.8/92

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 177062.850+/-45.193 χ^2/NDF: 2781539.1/18

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 170832.650+/-42.389 χ^2/NDF: 2891839.9/21

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

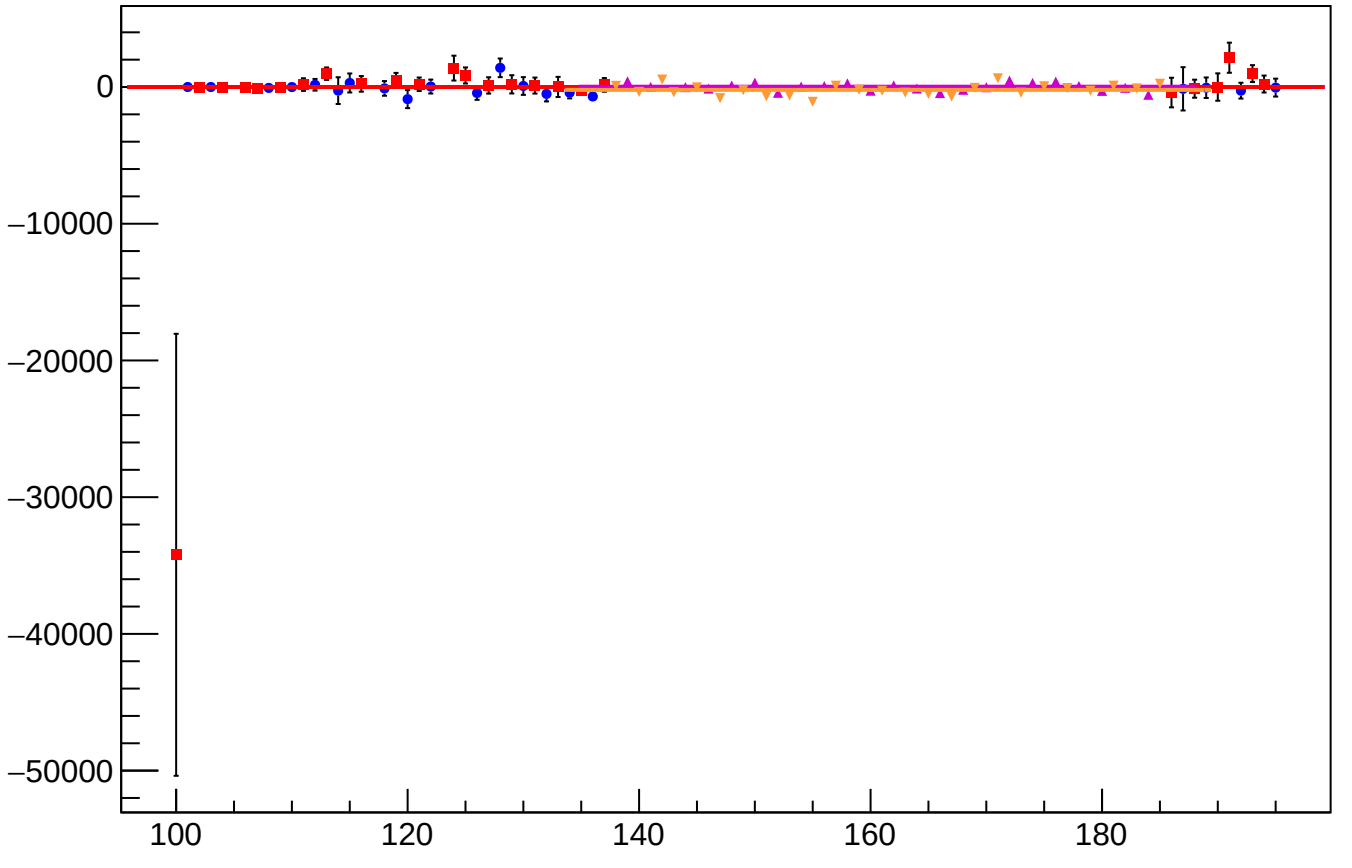
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 173748.472+/-30.917 χ^2/NDF: 5683489.4/40

In: 178428.065+/-24.915 χ^2/NDF:3284250.9/41

Out: 177281.726+/-24.049 χ^2/NDF:3272571.0/46

All: 177834.622+/-17.303 χ^2/NDF: 6557917.



Right In: -0.035+/-0.172 χ^2/NDF: 18.4/19

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 23.1/24

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

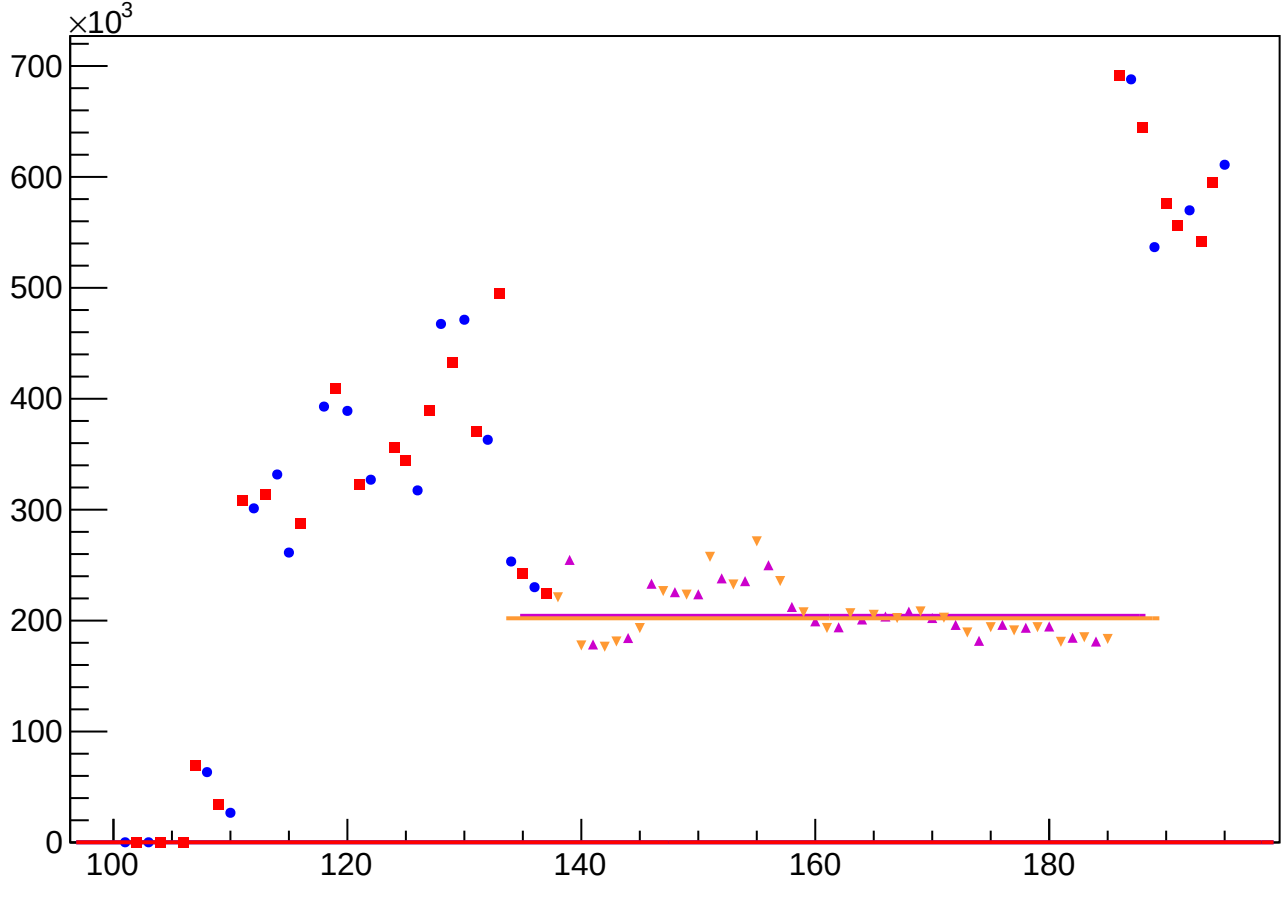
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 44.2/44

In: -0.035+/-0.172 χ^2/NDF:47.1/42

Out: 0.353+/-0.160 χ^2/NDF:104.9/49

All: 0.173+/-0.117 χ^2/NDF: 154.8/92



Right In: 149.221+/-0.122 χ^2/NDF: 16379512.8/19

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.534+/-0.113 χ^2/NDF: 18563167.2/23

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

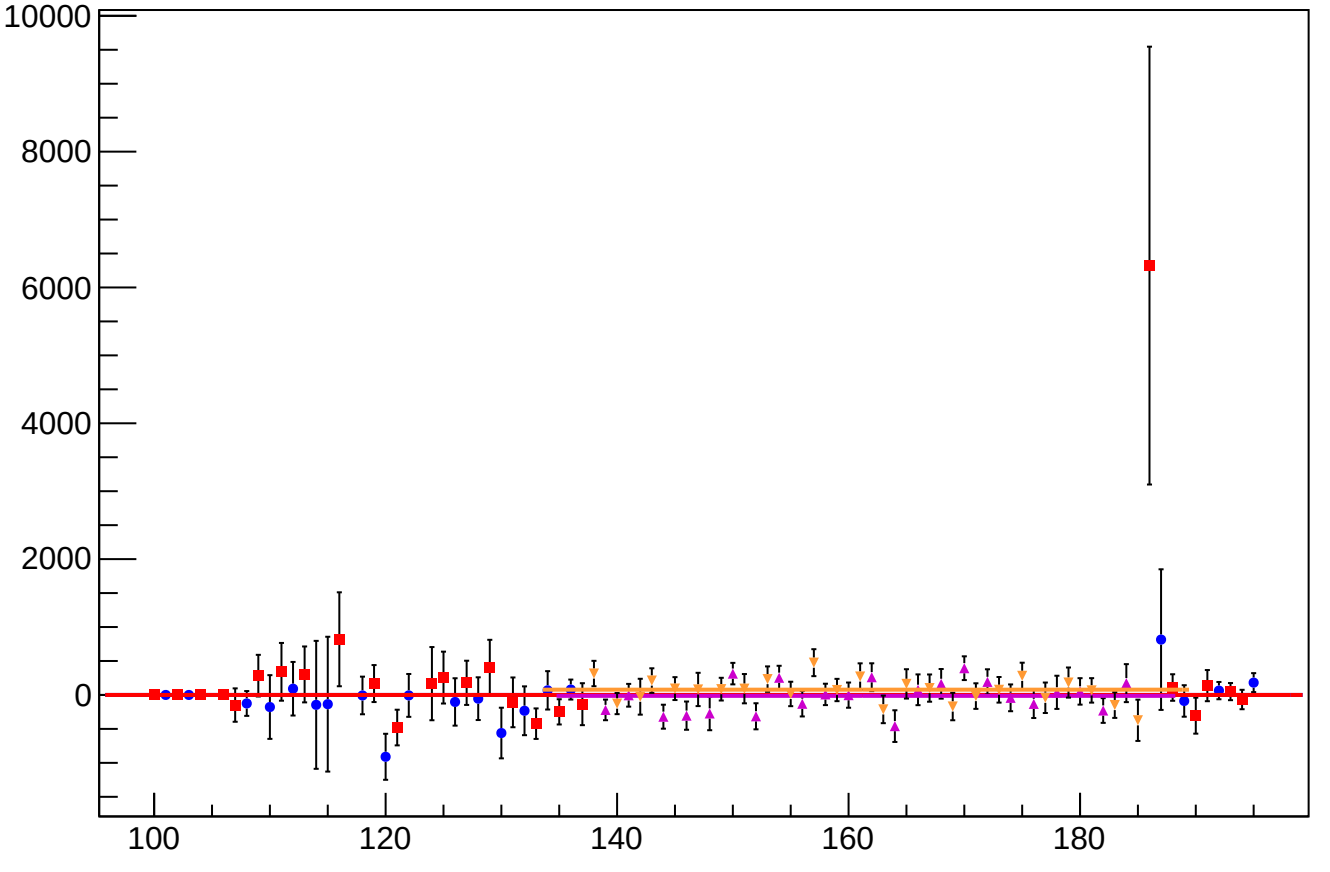
Right: 149.389+/-0.083 χ^2/NDF: 34942683.5/43

In: 151.847+/-0.122 χ^2/NDF:52882287.0/42

Out: 151.951+/-0.113 χ^2/NDF:57058945.7/48

All: 151.903+/-0.083 χ^2/NDF: 109941233.1/9

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 13.9/19

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 21.5/24

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

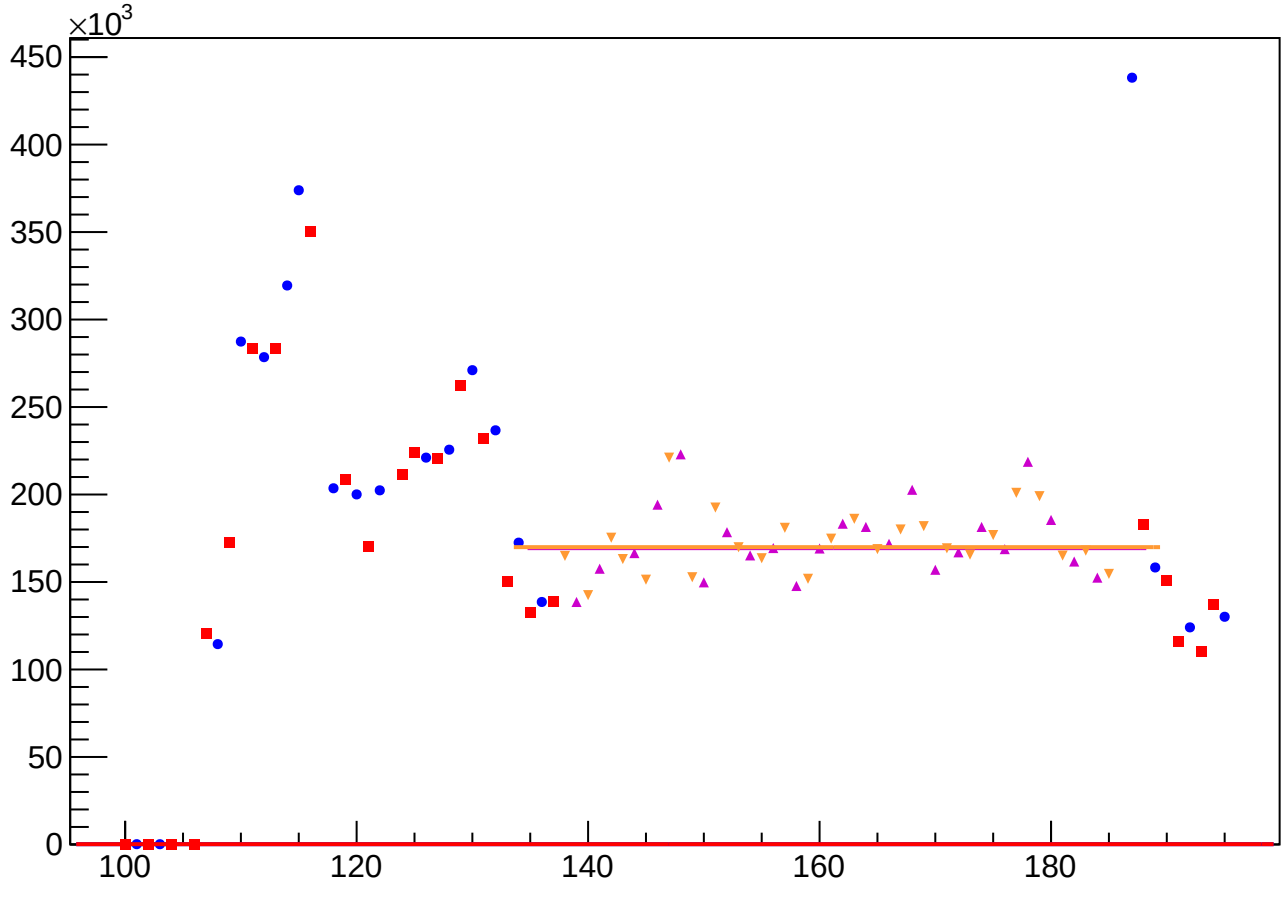
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 35.4/44

In: -0.068+/-0.177 χ^2/NDF:46.7/42

Out: -0.125+/-0.166 χ^2/NDF:44.5/49

All: -0.098+/-0.121 χ^2/NDF: 91.3/92



Right In: 154.015+/-0.125 χ^2/NDF: 16820577.9/19

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.788+/-0.118 χ^2/NDF: 17587161.8/23

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

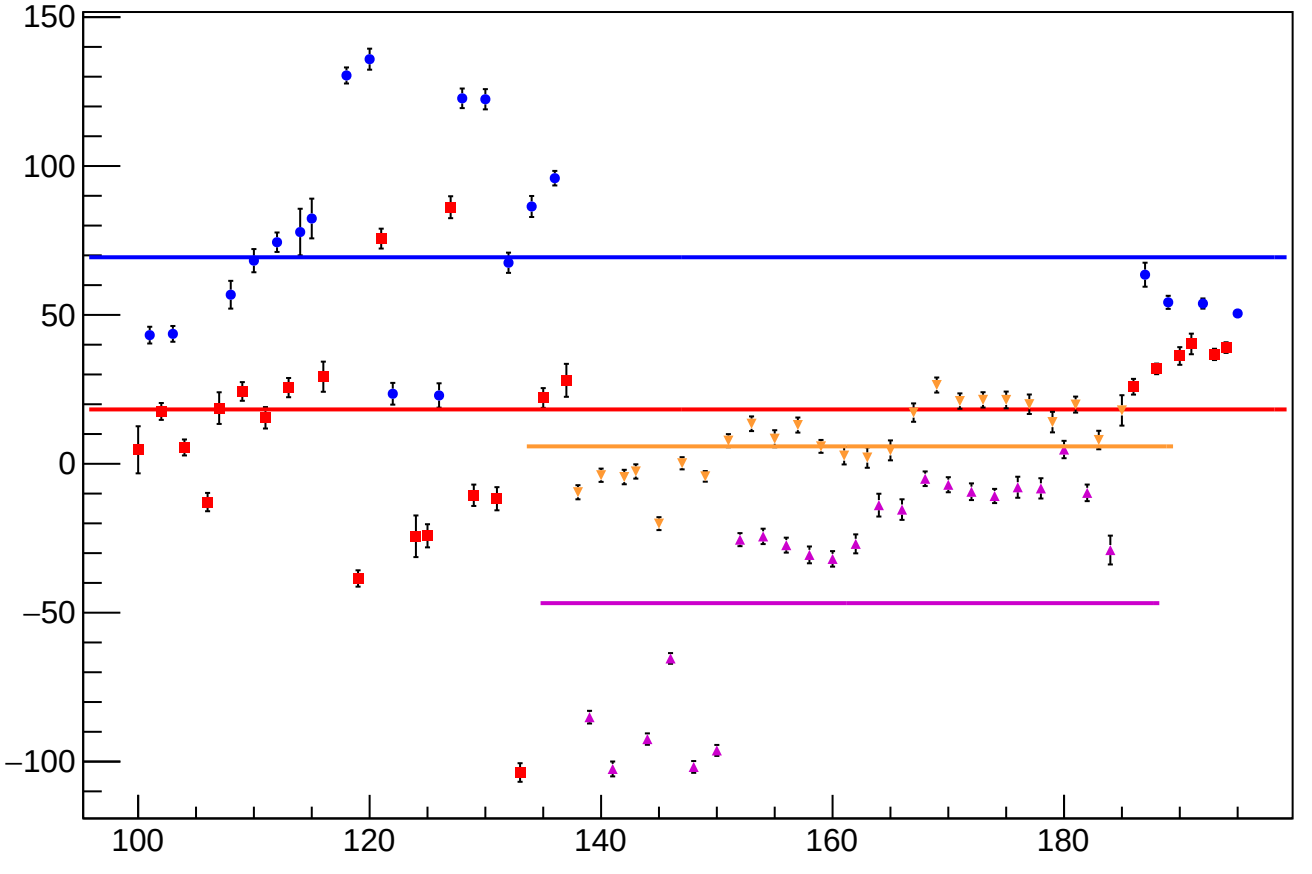
Right: 155.488+/-0.086 χ^2/NDF: 34407999.8/43

In: 157.348+/-0.125 χ^2/NDF:53206418.4/42

Out: 159.894+/-0.118 χ^2/NDF:55997891.7/48

All: 158.701+/-0.086 χ^2/NDF: 109204529.3/9

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 69.358+/-0.649 χ^2/NDF: 2267.2/19

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 18.256+/-0.605 χ^2/NDF: 3388.3/24

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

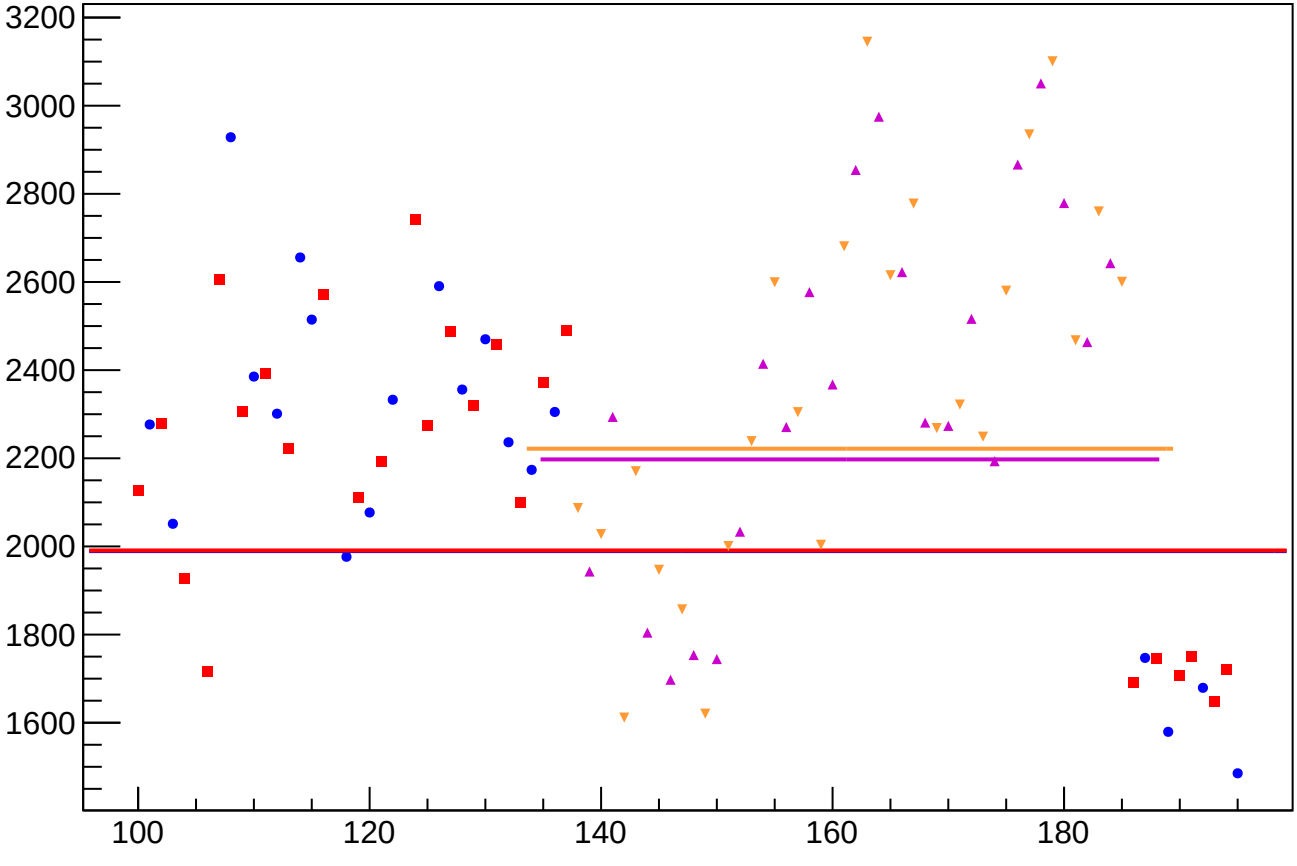
Right: 41.983+/-0.443 χ^2/NDF: 8971.9/44

In: -0.948+/-0.408 χ^2/NDF:26802.1/42

Out: 11.055+/-0.392 χ^2/NDF:4167.9/49

All: 5.300+/-0.283 χ^2/NDF: 31420.5/92

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1989.408+/-0.459 χ^2/NDF: 681617.1/19

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1990.861+/-0.428 χ^2/NDF: 523043.9/24

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

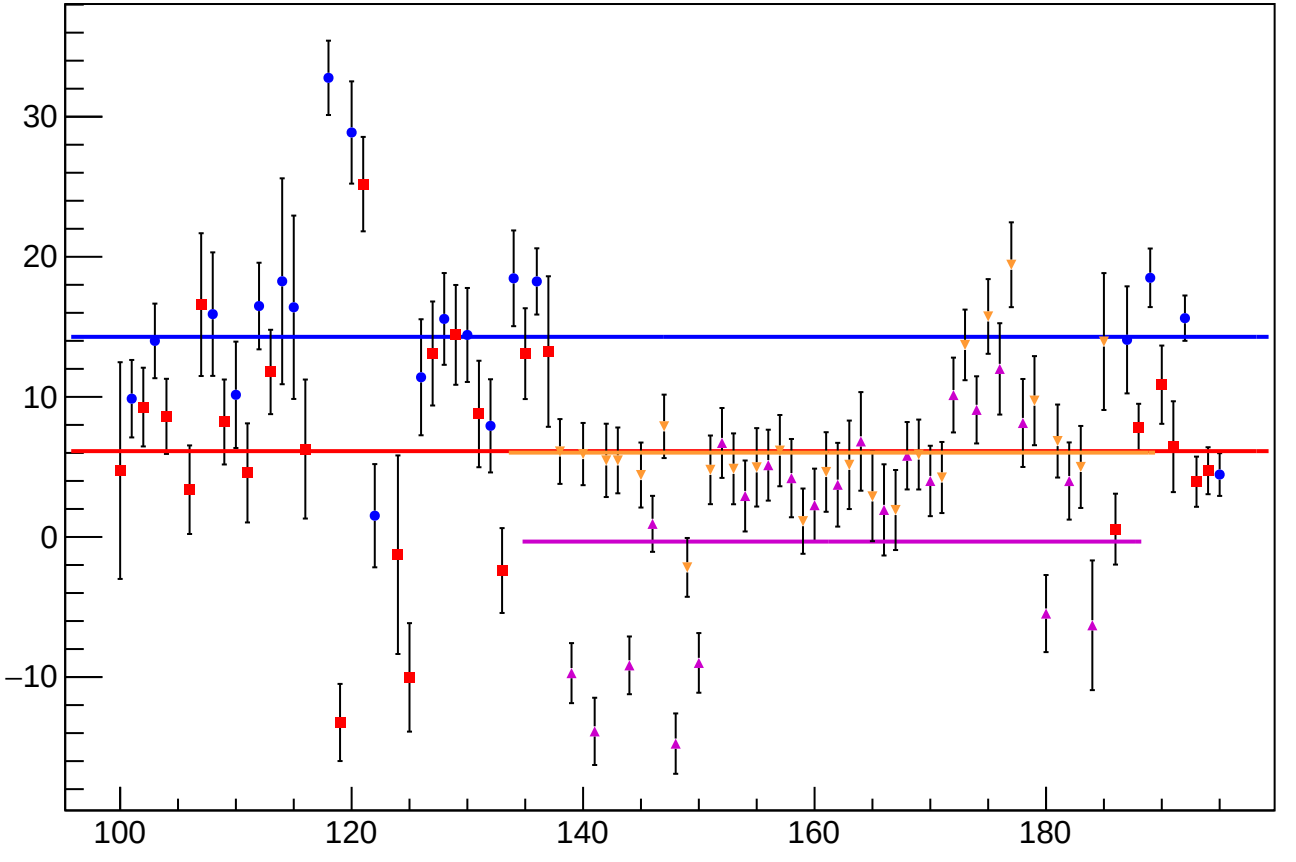
Right: 1990.186+/-0.313 χ^2/NDF: 1204666.4/44

In: 2115.345+/-0.289 χ^2/NDF:1910515.9/42

Out: 2124.909+/-0.277 χ^2/NDF:1876415.2/49

All: 2120.324+/-0.200 χ^2/NDF: 3787503.0/92

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 14.287+/-0.628 χ^2/NDF: 136.2/19

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 6.128+/-0.584 χ^2/NDF: 145.9/24

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

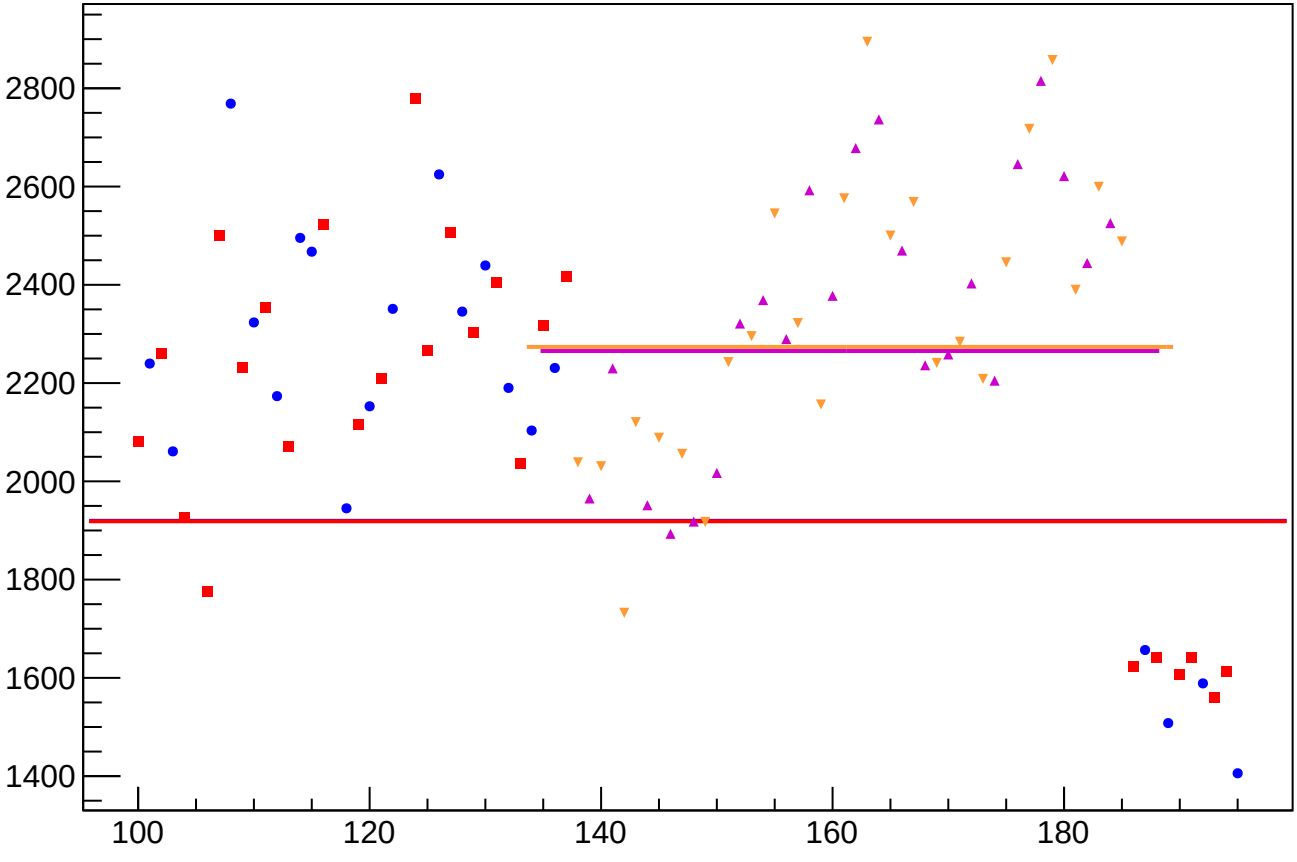
Right: 9.911+/-0.428 χ^2/NDF: 372.6/44

In: 5.810+/-0.407 χ^2/NDF:675.0/42

Out: 6.069+/-0.389 χ^2/NDF:217.7/49

All: 5.946+/-0.281 χ^2/NDF: 892.9/92

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1919.589+/-0.444 χ^2/NDF: 795775.8/19

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1918.761+/-0.413 χ^2/NDF: 642796.3/24

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

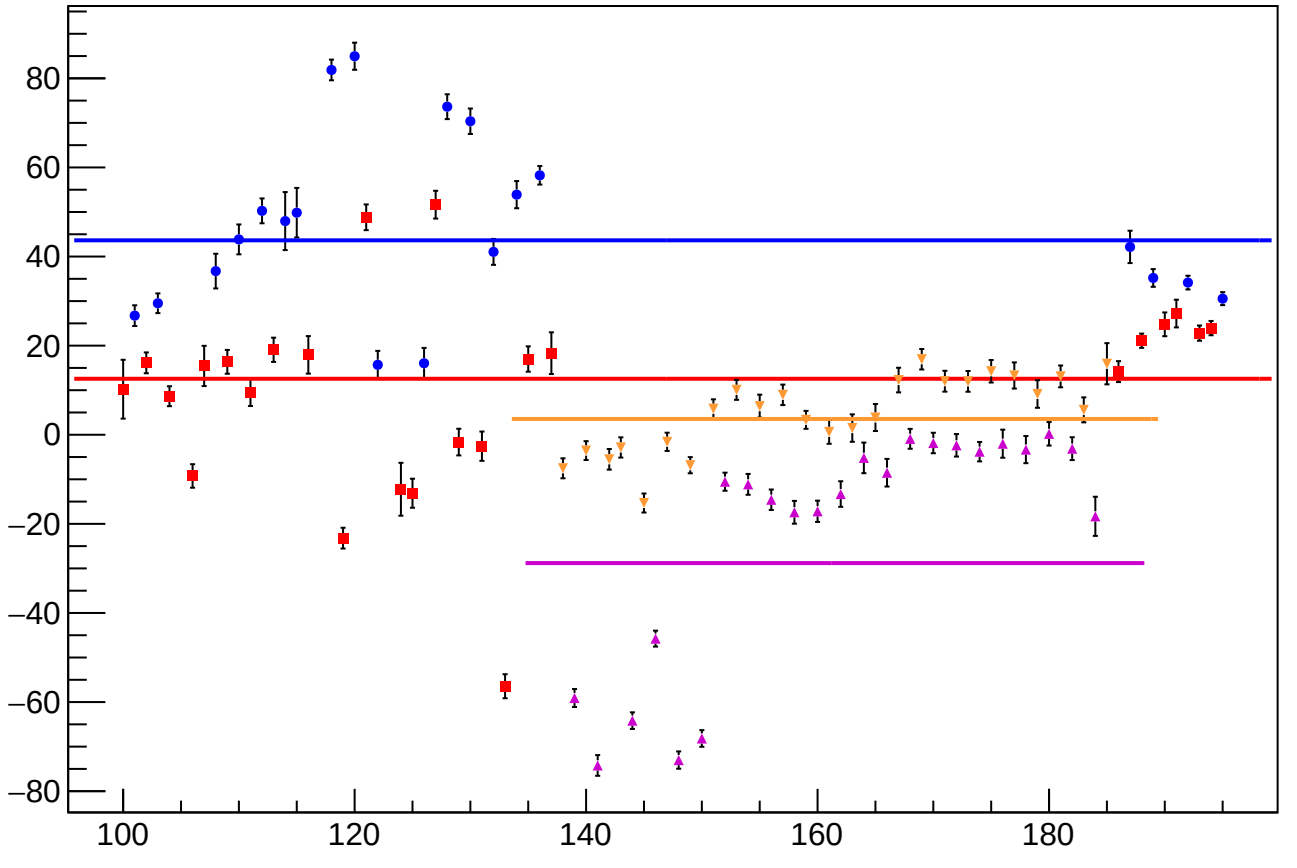
Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

Right: 1919.145+/-0.302 χ^2/NDF: 1438574.0/44

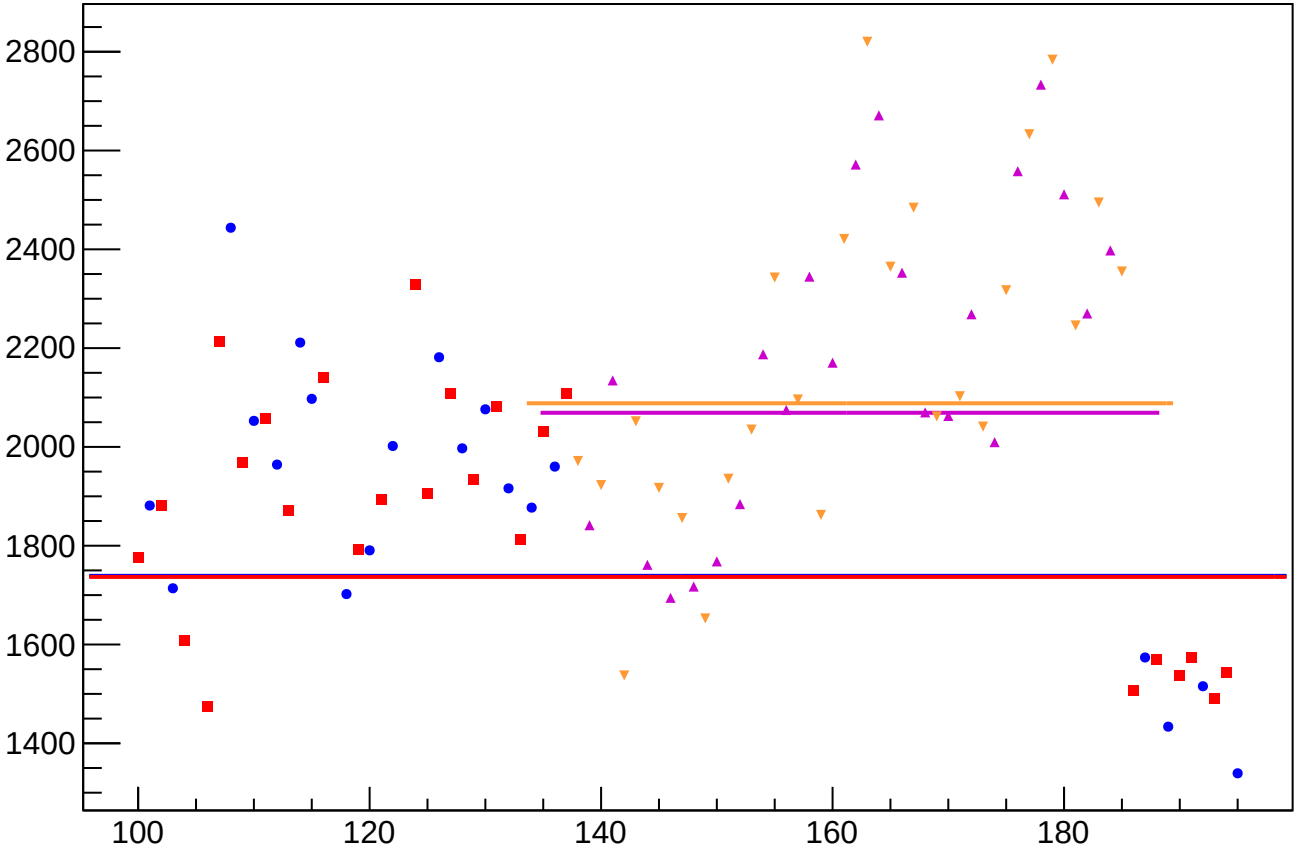
In: 2120.060+/-0.288 χ^2/NDF:1642852.0/42

Out: 2116.448+/-0.275 χ^2/NDF:1590829.1/49

All: 2118.171+/-0.199 χ^2/NDF: 3233763.4/92


diff_bpm0i01aX_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
Right In: 43.638+/-0.565 χ²/NDF: 1105.4/19
Left Out: 3.544+/-0.480 χ²/NDF:319.8/24
Right Out: 12.565+/-0.526 χ²/NDF: 1575.0/24
Left In: -28.804+/-0.491 χ²/NDF:3262.5/22
Left: -12.278+/-0.343 χ²/NDF: 5801.2/47
Right: 26.991+/-0.385 χ²/NDF: 4303.2/44
In: 2.382+/-0.370 χ²/NDF:13744.5/42
Out: 7.649+/-0.355 χ²/NDF:2055.3/49
All: 5.131+/-0.256 χ²/NDF: 15905.3/92

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1738.972+/-0.399 χ^2/NDF: 494006.9/19

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1736.827+/-0.372 χ^2/NDF: 371794.7/24

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

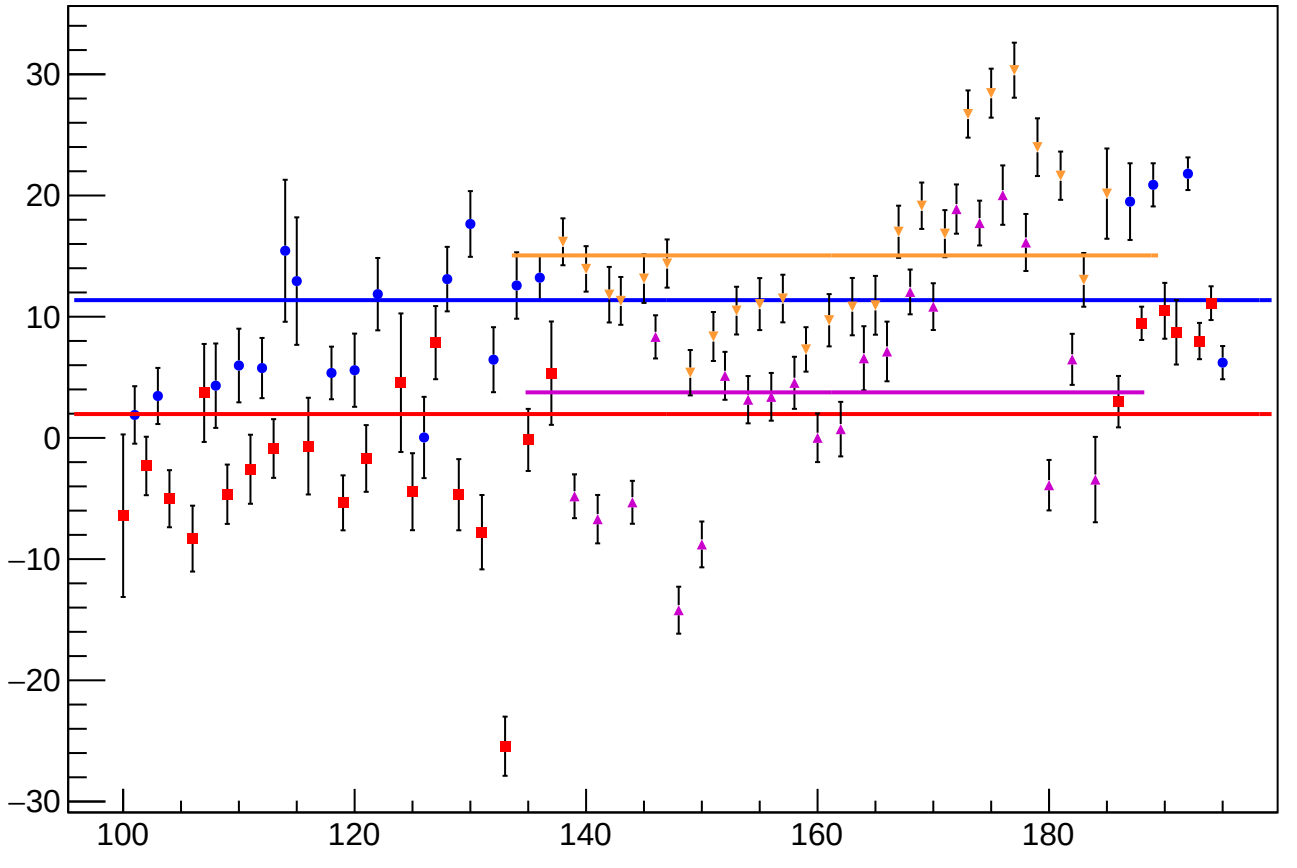
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1737.823+/-0.272 χ^2/NDF: 865817.0/44

In: 1926.990+/-0.262 χ^2/NDF:1594997.1/42

Out: 1928.388+/-0.251 χ^2/NDF:1646788.4/49

All: 1927.720+/-0.181 χ^2/NDF: 3241800.4/92



Right In: 11.366+/-0.524 χ^2/NDF: 182.9/19

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 1.968+/-0.482 χ^2/NDF: 311.9/24

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

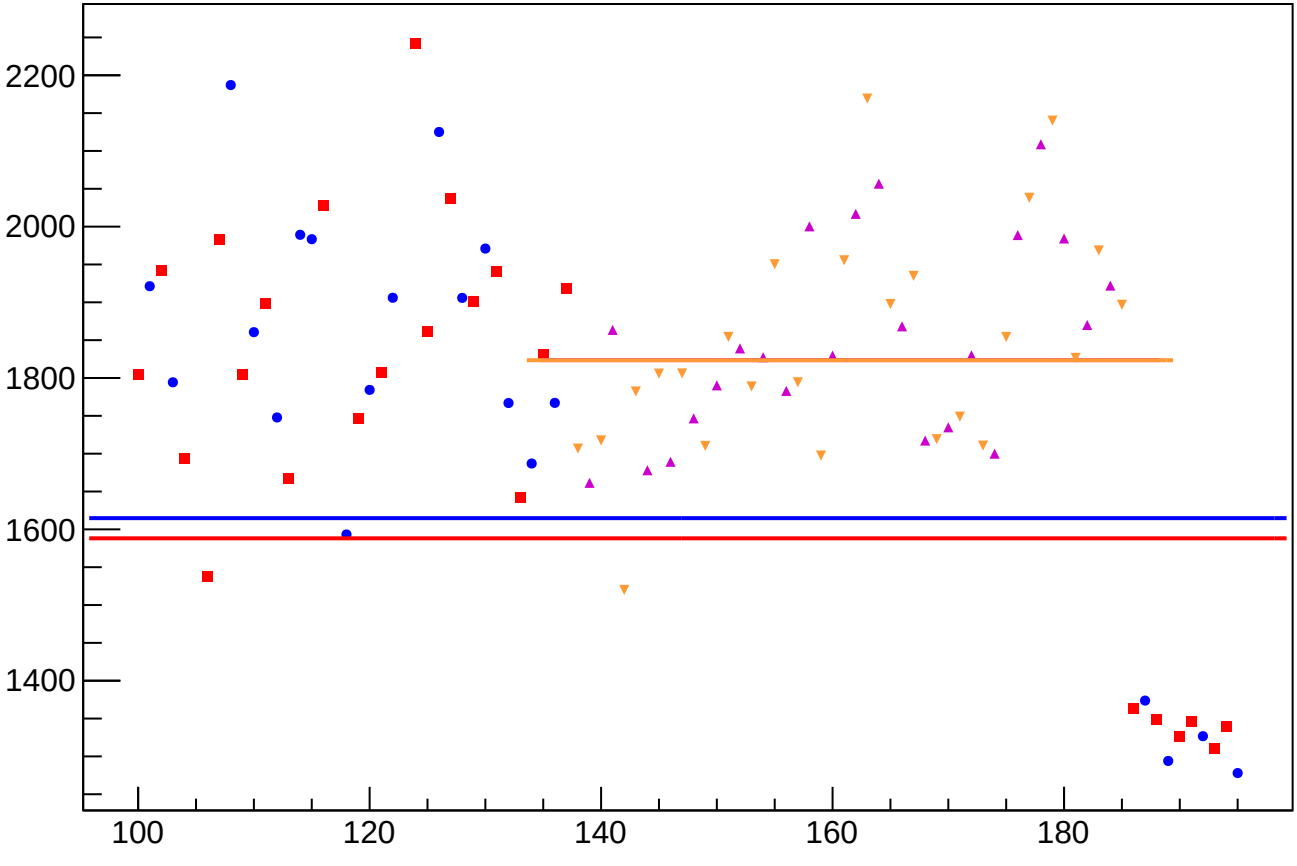
Right: 6.276+/-0.355 χ^2/NDF: 668.8/44

In: 6.800+/-0.331 χ^2/NDF:768.4/42

Out: 9.477+/-0.315 χ^2/NDF:980.7/49

All: 8.207+/-0.228 χ^2/NDF: 1783.4/92

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1614.814+/-0.371 χ^2/NDF: 576509.8/19

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1588.147+/-0.341 χ^2/NDF: 580367.5/24

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

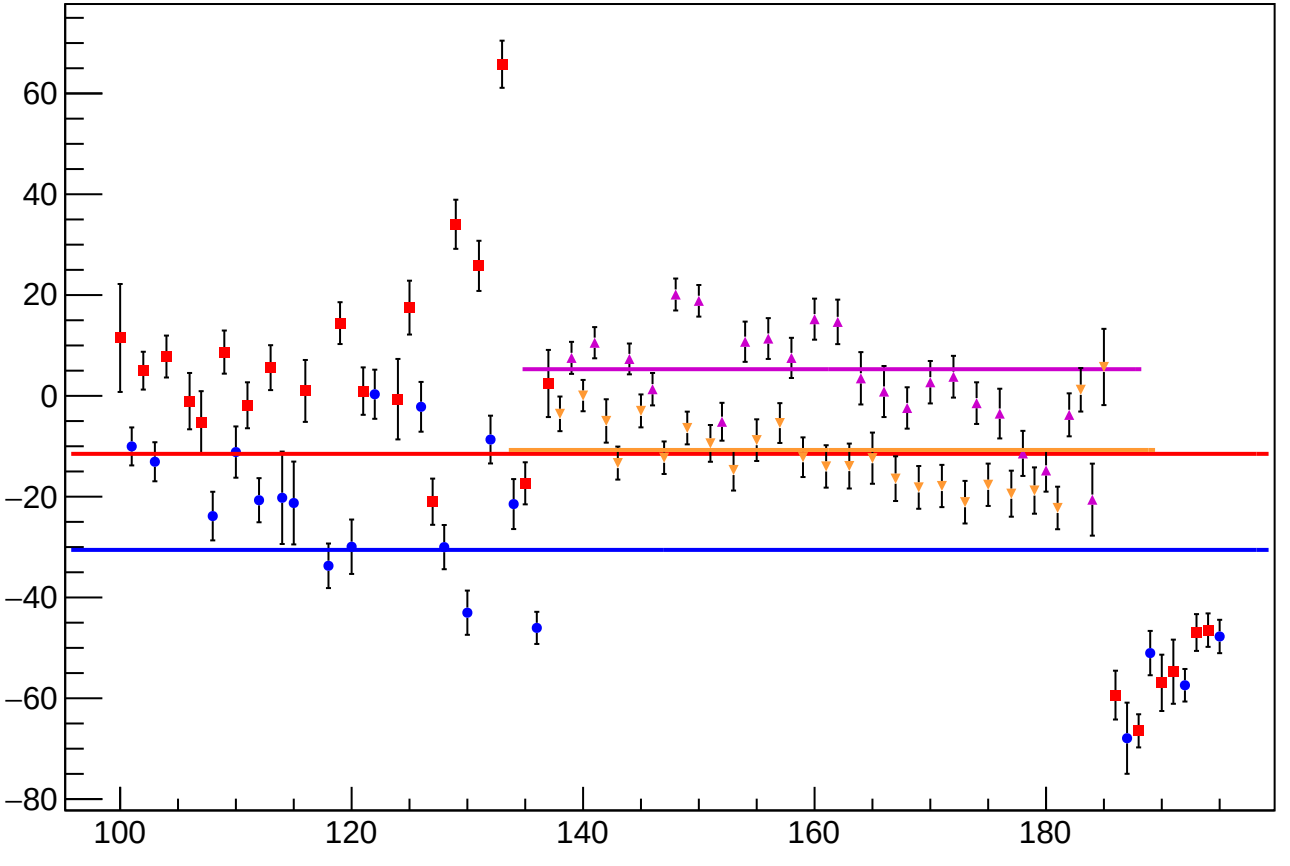
Right: 1600.370+/-0.251 χ^2/NDF: 1159680.6/44

In: 1740.147+/-0.234 χ^2/NDF:930756.4/42

Out: 1723.141+/-0.223 χ^2/NDF:1064836.6/49

All: 1731.208+/-0.161 χ^2/NDF: 1998360.6/92

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -30.560+/-0.994 χ^2/NDF: 350.0/19

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -11.505+/-0.936 χ^2/NDF: 1295.0/24

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

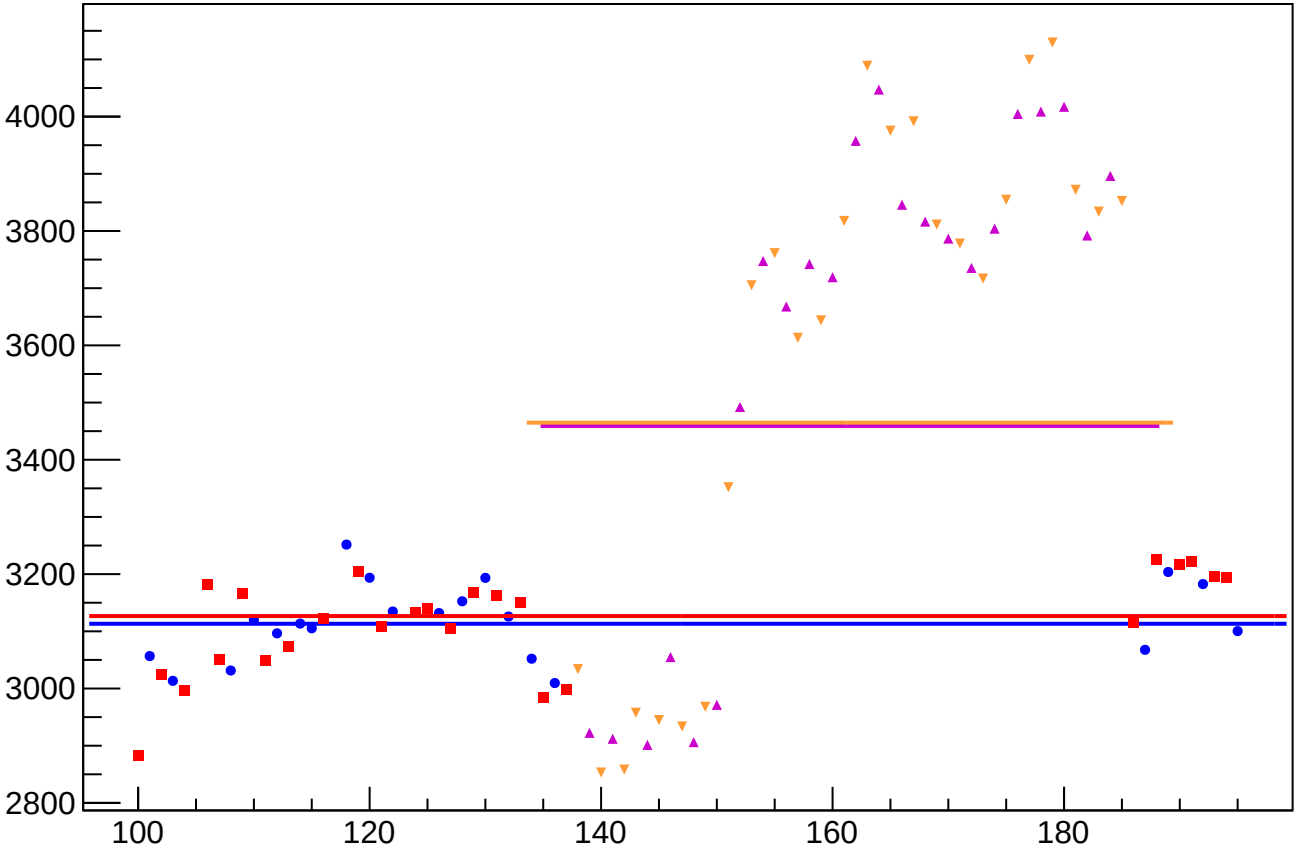
Right: -20.458+/-0.681 χ^2/NDF: 1839.9/44

In: -9.111+/-0.630 χ^2/NDF:1262.2/42

Out: -11.056+/-0.605 χ^2/NDF:1369.2/49

All: -10.122+/-0.436 χ^2/NDF: 2636.3/92

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3113.224+/-0.703 χ^2/NDF: 10006.3/19

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3126.684+/-0.662 χ^2/NDF: 14494.0/24

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

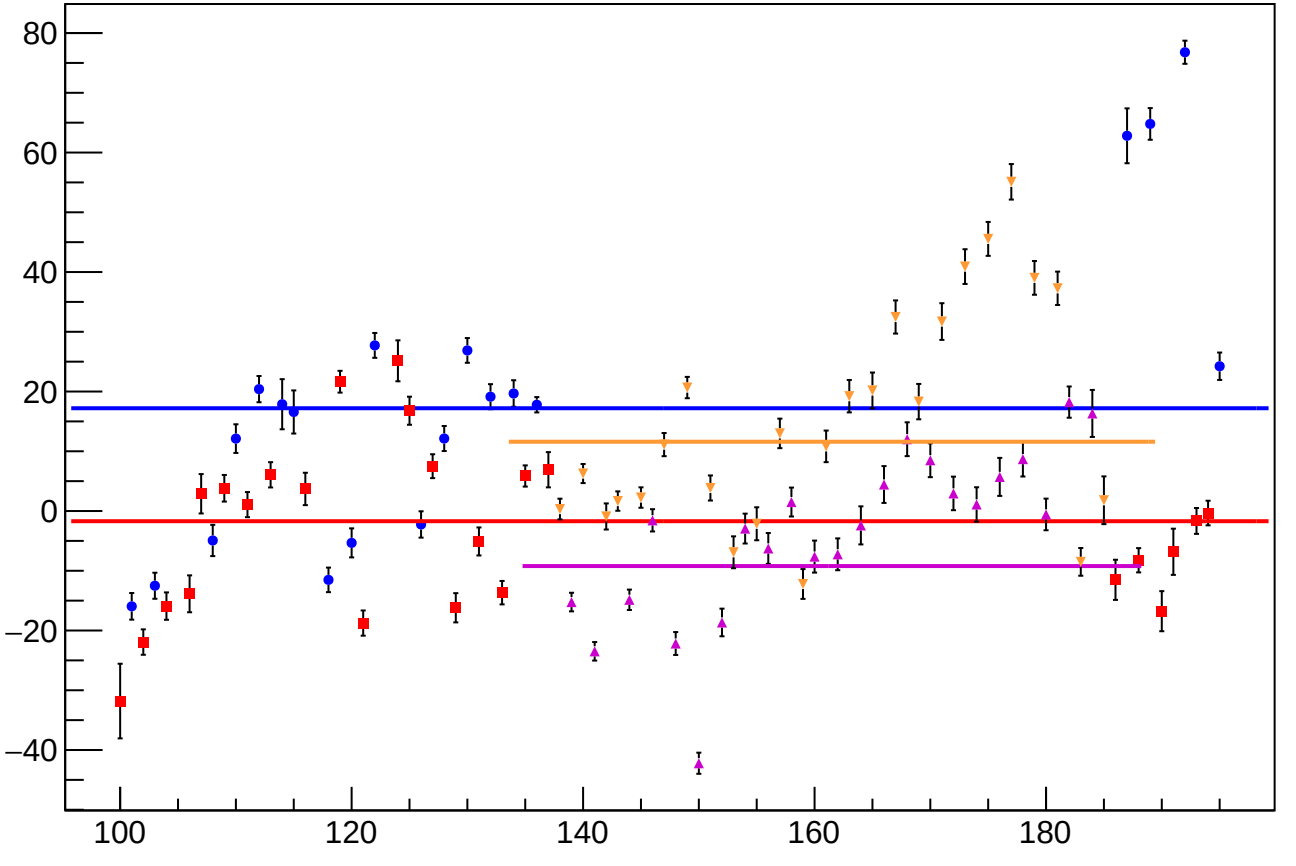
Right: 3120.360+/-0.482 χ^2/NDF: 24694.8/44

In: 3320.128+/-0.445 χ^2/NDF:738219.3/42

Out: 3323.330+/-0.428 χ^2/NDF:810496.1/49

All: 3321.793+/-0.309 χ^2/NDF: 1548742.3/92

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 17.204+/-0.496 χ^2/NDF: 2275.7/19

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -1.704+/-0.475 χ^2/NDF: 711.2/24

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

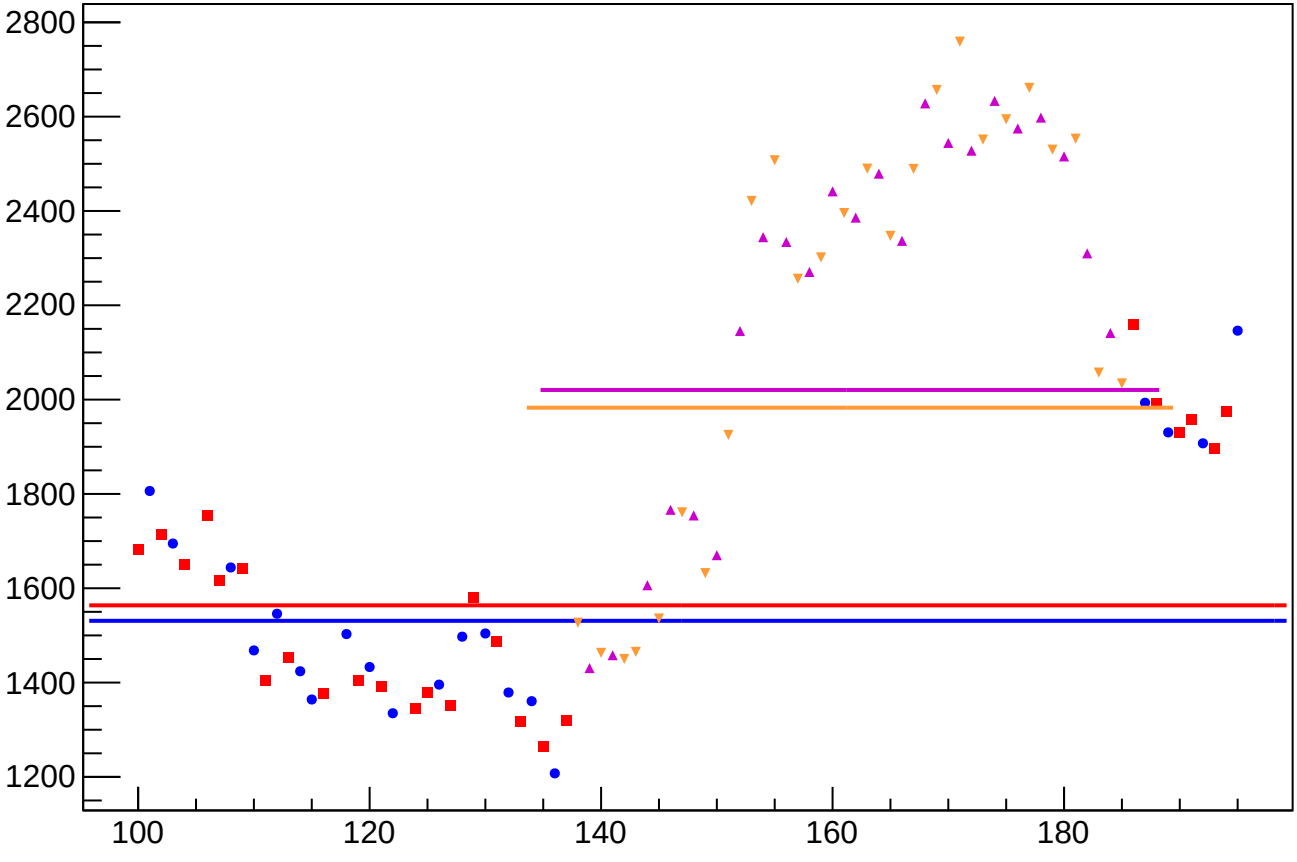
Right: 7.325+/-0.343 χ^2/NDF: 3745.2/44

In: 3.658+/-0.346 χ^2/NDF:4668.9/42

Out: 5.105+/-0.332 χ^2/NDF:2310.4/49

All: 4.413+/-0.240 χ^2/NDF: 6988.5/92

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1530.969+/-0.351 χ^2/NDF: 516820.3/19

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1563.765+/-0.336 χ^2/NDF: 549578.3/24

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

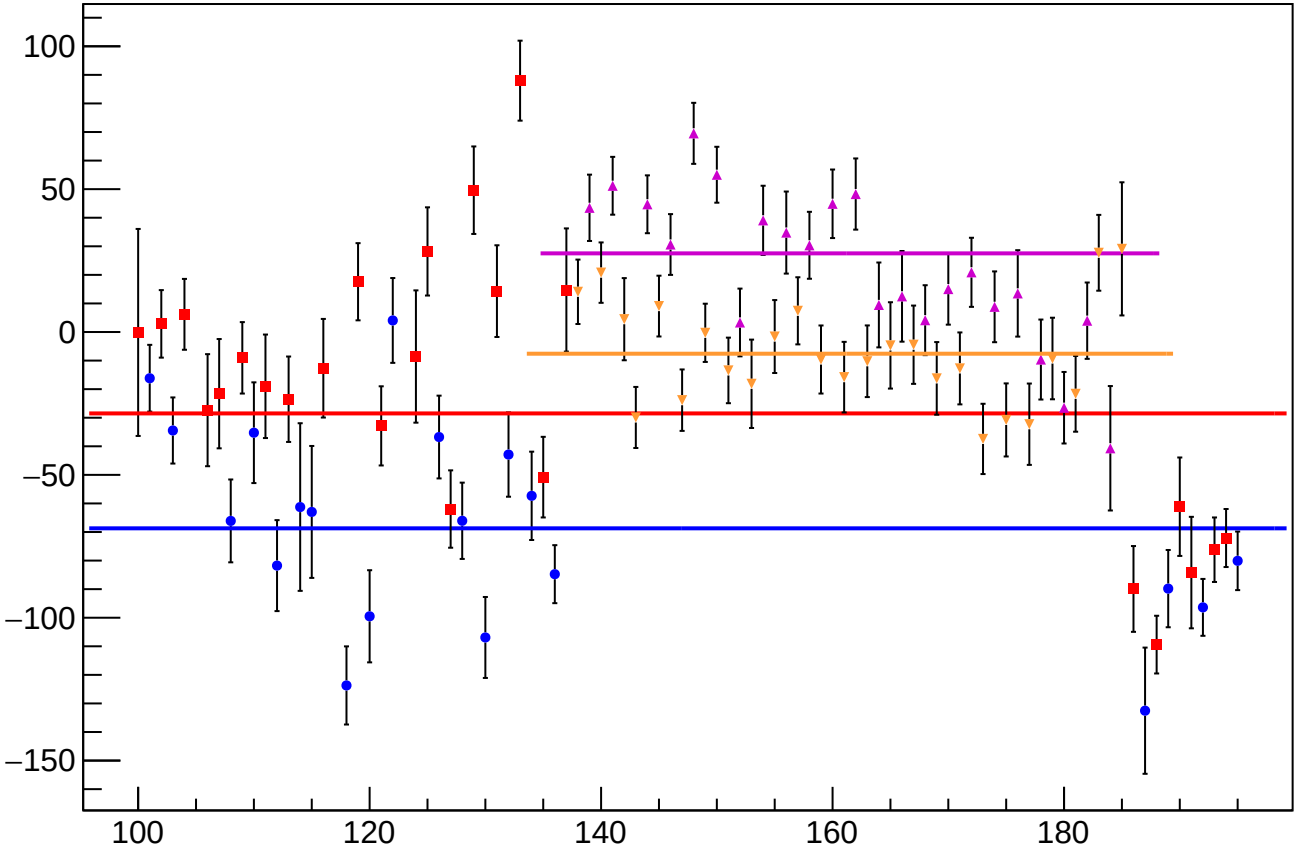
Right: 1548.103+/-0.243 χ^2/NDF: 1070960.9/44

In: 1781.968+/-0.245 χ^2/NDF:3129029.8/42

Out: 1778.280+/-0.234 χ^2/NDF:3325789.9/49

All: 1780.043+/-0.169 χ^2/NDF: 6454938.0/92

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -68.712+/-3.094 χ^2/NDF: 115.3/19

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -28.493+/-2.918 χ^2/NDF: 289.2/24

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

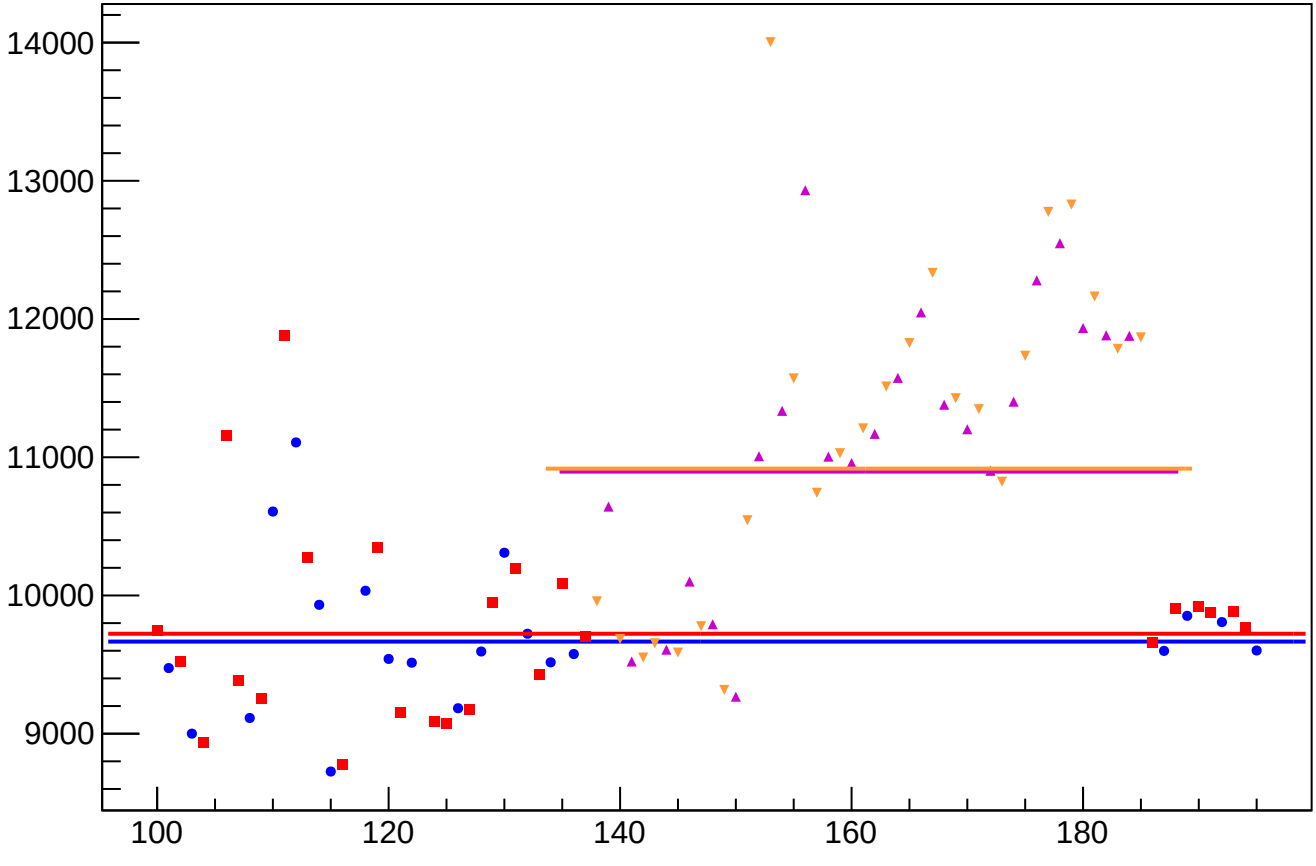
Right: -47.425+/-2.123 χ^2/NDF: 493.9/44

In: -11.516+/-1.971 χ^2/NDF:783.2/42

Out: -16.421+/-1.896 χ^2/NDF:366.7/49

All: -14.063+/-1.366 χ^2/NDF: 1153.2/92

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9666.295+/-2.188 χ^2/NDF: 45055.1/19

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9722.997+/-2.063 χ^2/NDF: 81867.9/24

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

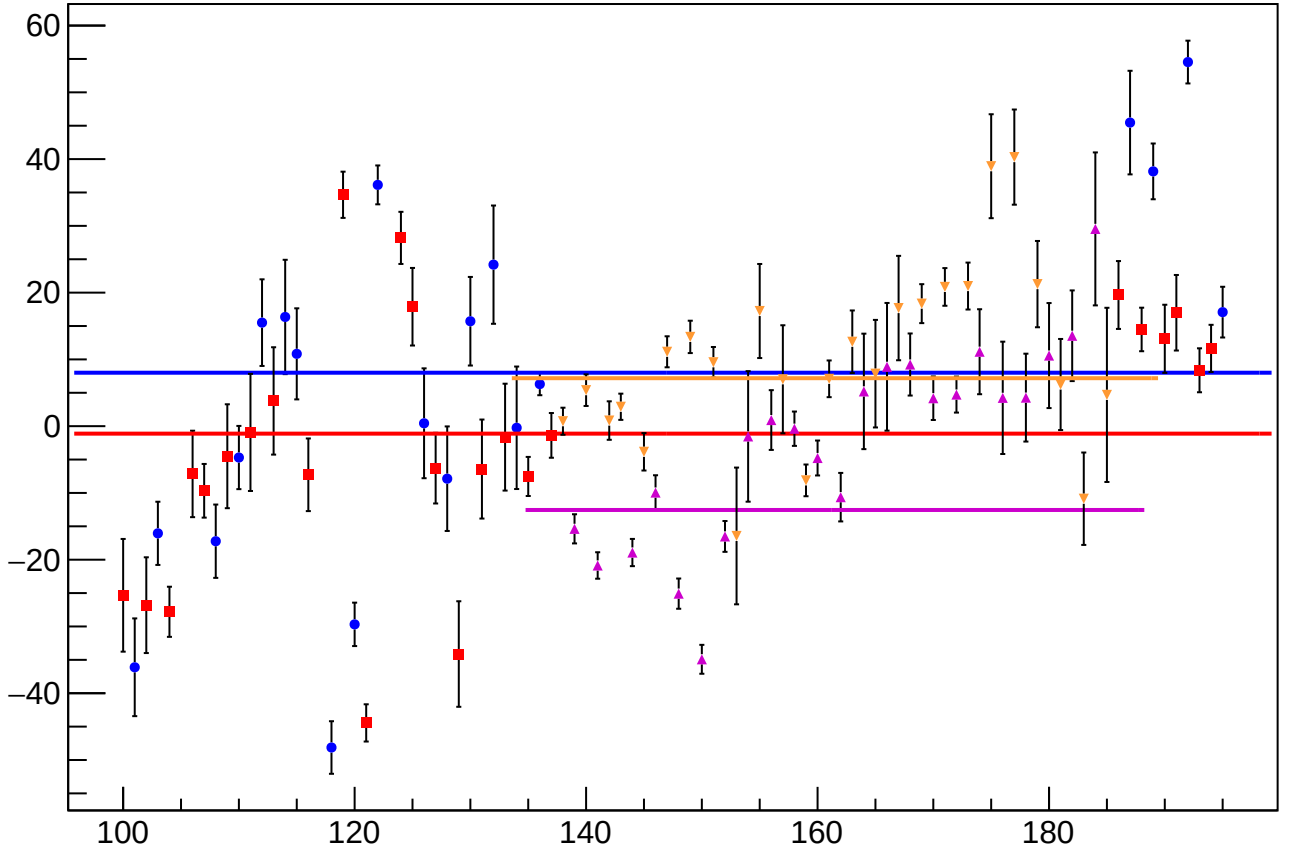
Right: 9696.307+/-1.501 χ^2/NDF: 127278.5/44

In: 10397.110+/-1.394 χ^2/NDF:530848.4/42

Out: 10413.131+/-1.341 χ^2/NDF:701381.4/49

All: 10405.429+/-0.966 χ^2/NDF: 1232298.4/9

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 8.006+/-0.930 χ^2/NDF: 827.6/19

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -1.119+/-0.897 χ^2/NDF: 596.7/24

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

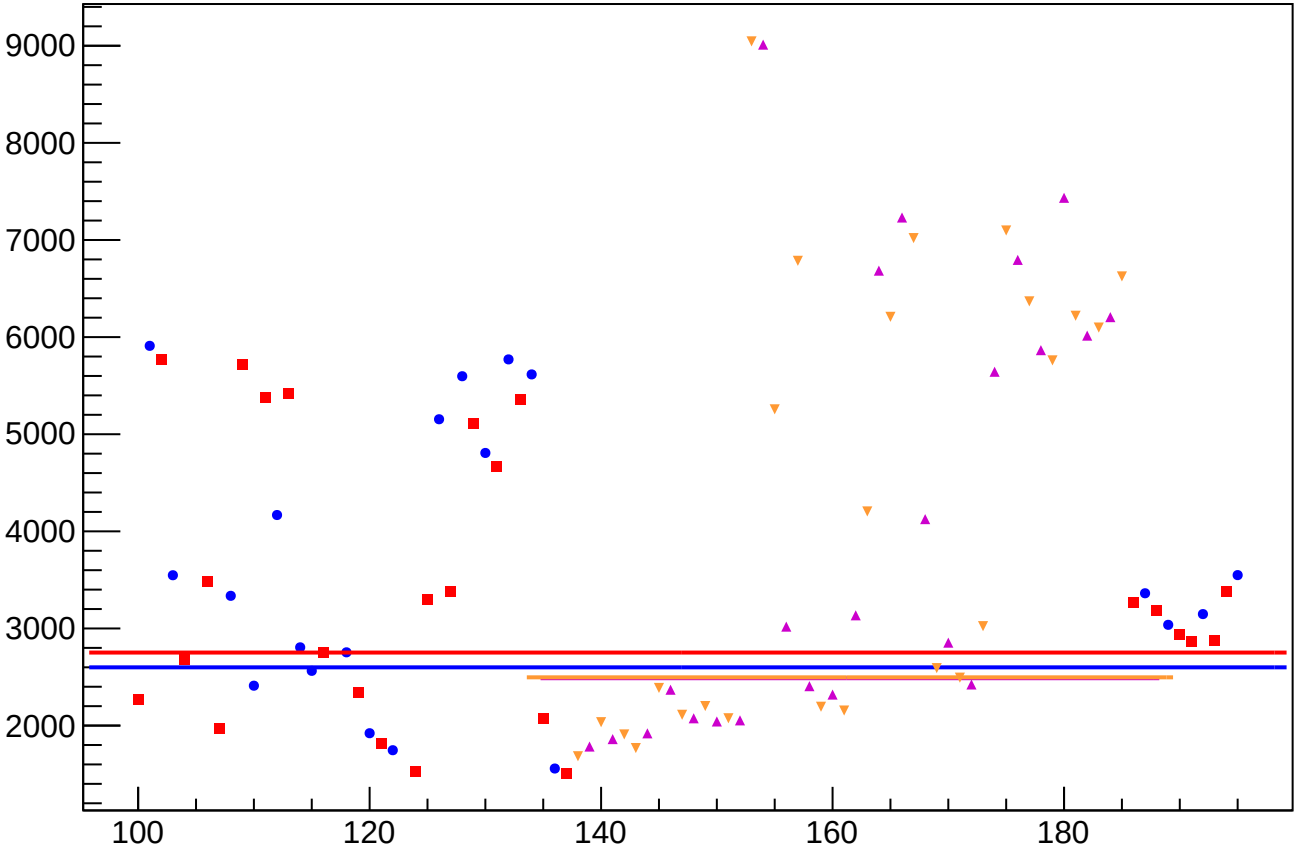
Right: 3.279+/-0.646 χ^2/NDF: 1474.2/44

In: -5.661+/-0.539 χ^2/NDF:1524.5/42

Out: 4.306+/-0.528 χ^2/NDF:854.4/49

All: -0.582+/-0.377 χ^2/NDF: 2553.4/92

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2599.688+/-0.658 χ^2/NDF: 3094183.8/19

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2751.907+/-0.634 χ^2/NDF: 2682119.0/24

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

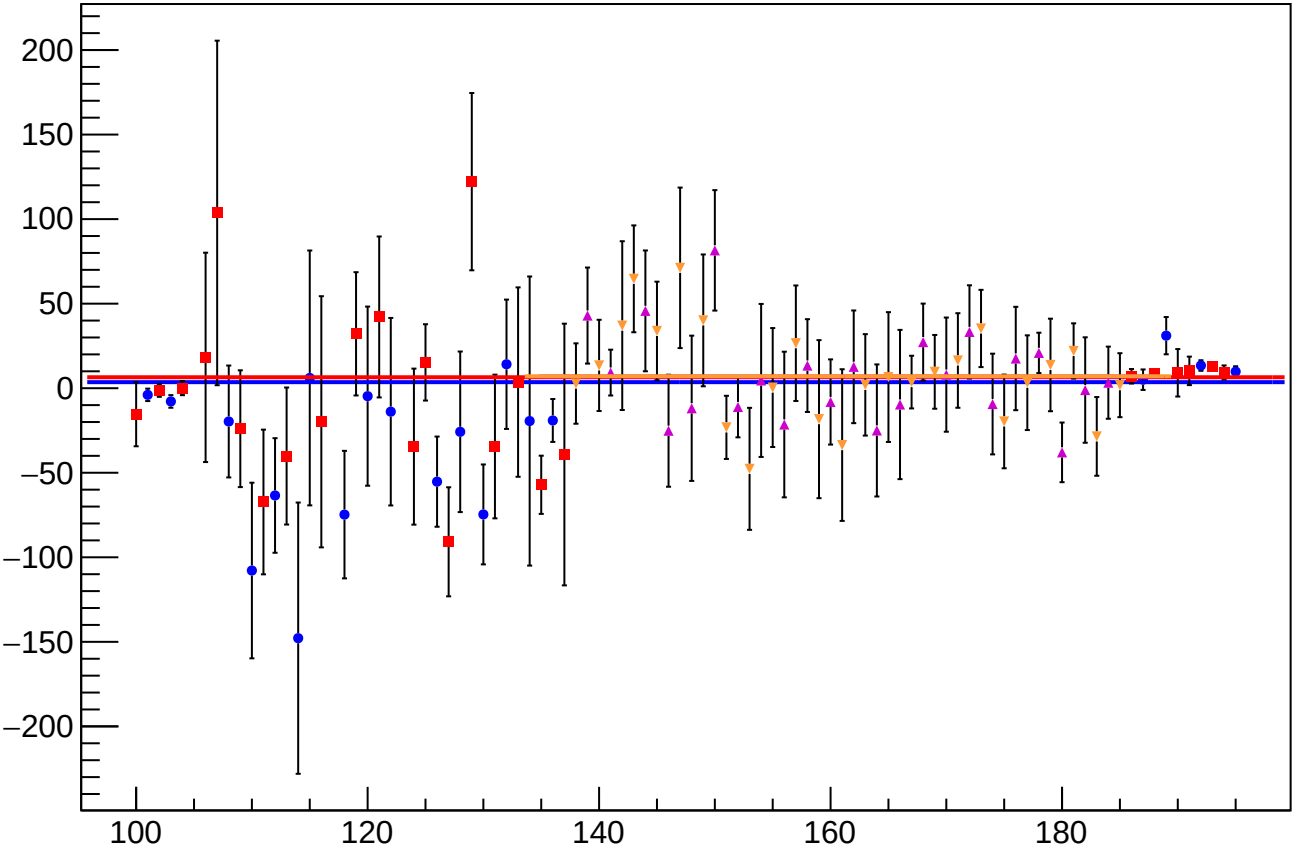
Right: 2678.543+/-0.457 χ^2/NDF: 5804050.3/44

In: 2525.256+/-0.381 χ^2/NDF:9216915.4/42

Out: 2585.253+/-0.374 χ^2/NDF:9993580.9/49

All: 2555.831+/-0.267 χ^2/NDF: 19223145.9/9

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 3.574+/-1.583 χ^2/NDF: 66.3/19

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 6.476+/-1.387 χ^2/NDF: 51.6/24

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

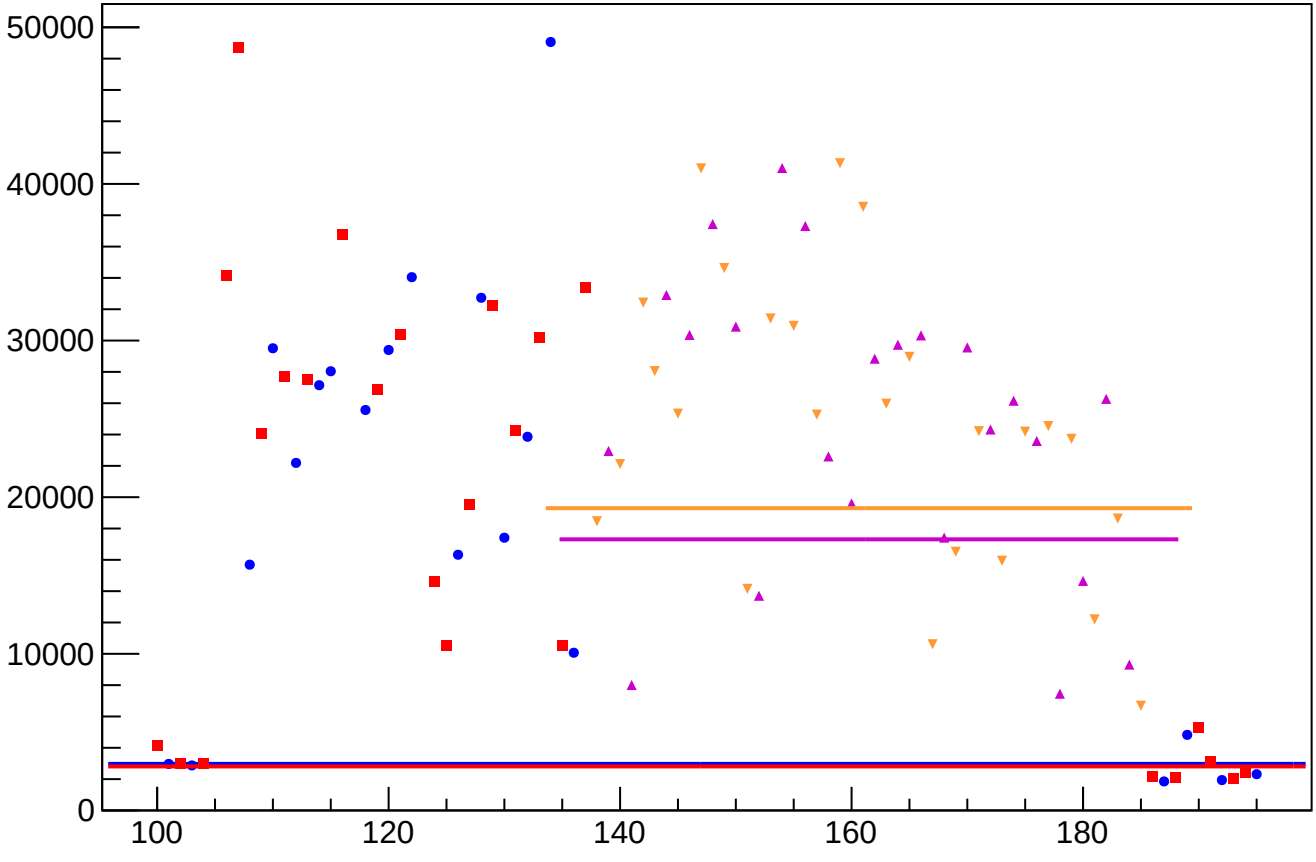
Right: 5.216+/-1.043 χ^2/NDF: 119.8/44

In: 3.871+/-1.512 χ^2/NDF:87.8/42

Out: 6.515+/-1.341 χ^2/NDF:71.2/49

All: 5.351+/-1.003 χ^2/NDF: 160.7/92

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2973.689+/-1.120 χ^2/NDF: 7708294.2/19

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2810.960+/-0.981 χ^2/NDF: 8706111.3/24

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

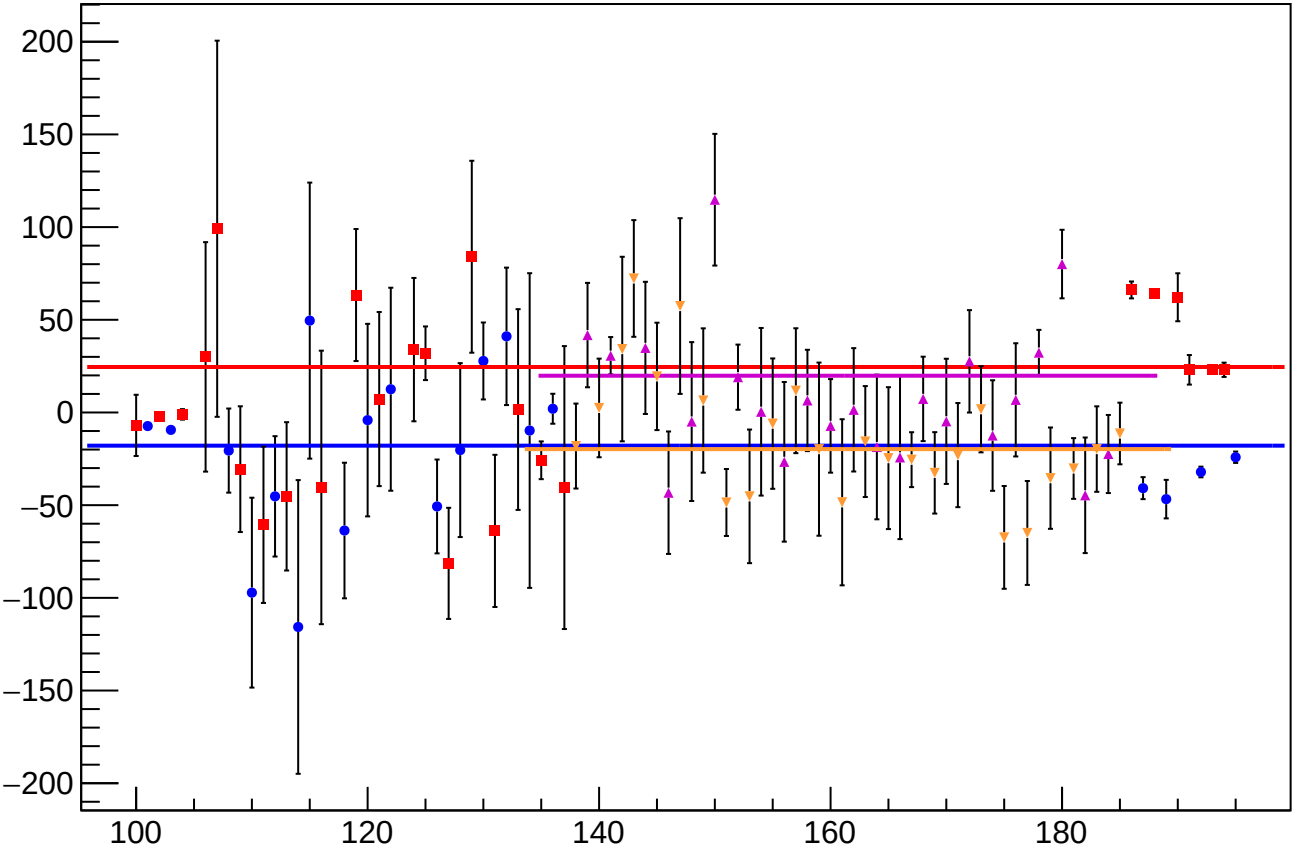
Right: 2881.633+/-0.738 χ^2/NDF: 16426357.2/44

In: 4238.158+/-1.069 χ^2/NDF:28890241.8/42

Out: 3895.761+/-0.948 χ^2/NDF:32331575.6/49

All: 4046.508+/-0.709 χ^2/NDF: 61279235.7/9

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -17.903+/-1.288 χ^2/NDF: 102.5/19

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 24.534+/-1.170 χ^2/NDF: 585.3/24

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

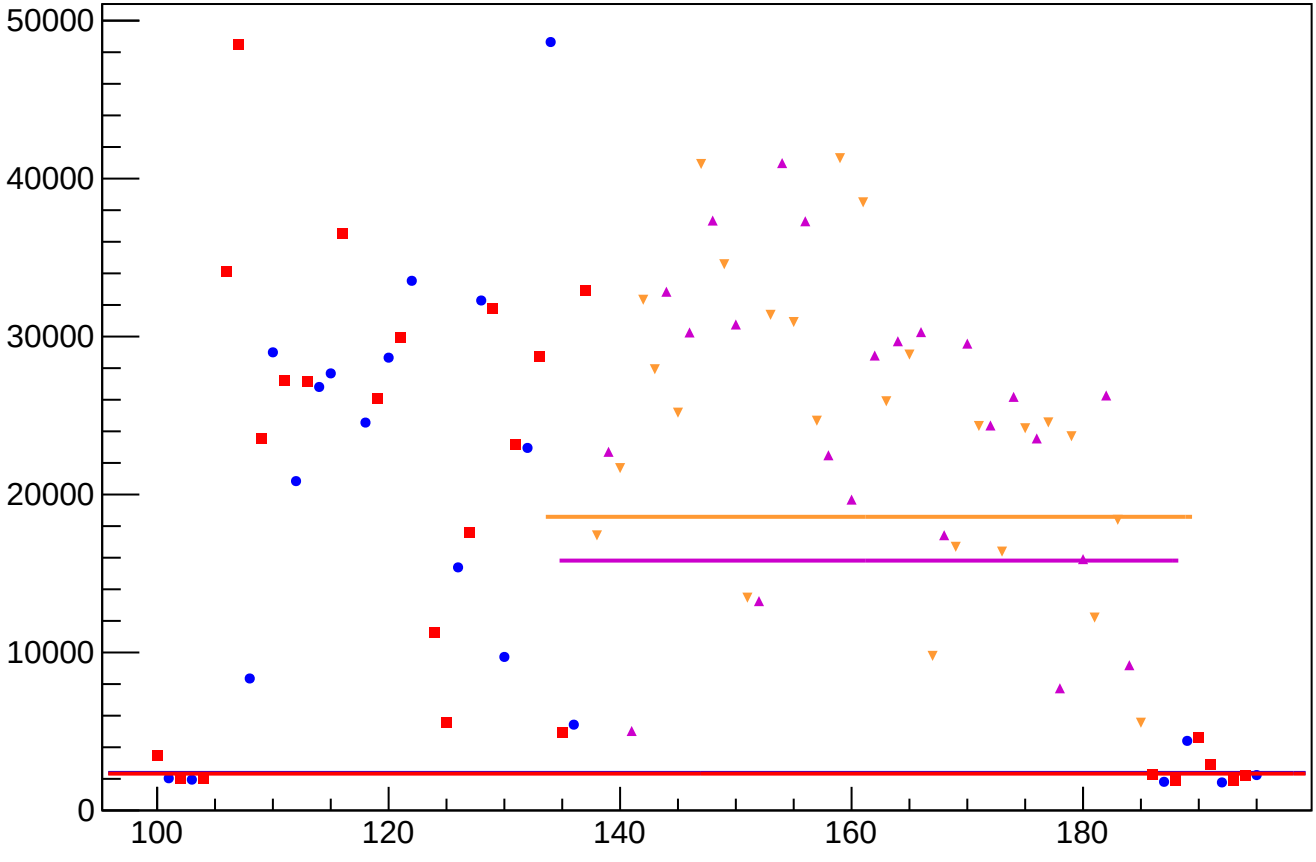
Right: 5.350+/-0.866 χ^2/NDF: 1282.8/44

In: -15.414+/-1.245 χ^2/NDF:199.4/42

Out: 22.333+/-1.140 χ^2/NDF:684.3/49

All: 5.108+/-0.841 χ^2/NDF: 1383.8/92

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2376.099+/-0.911 χ^2/NDF: 7009214.0/19

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2332.597+/-0.827 χ^2/NDF: 8278932.2/24

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

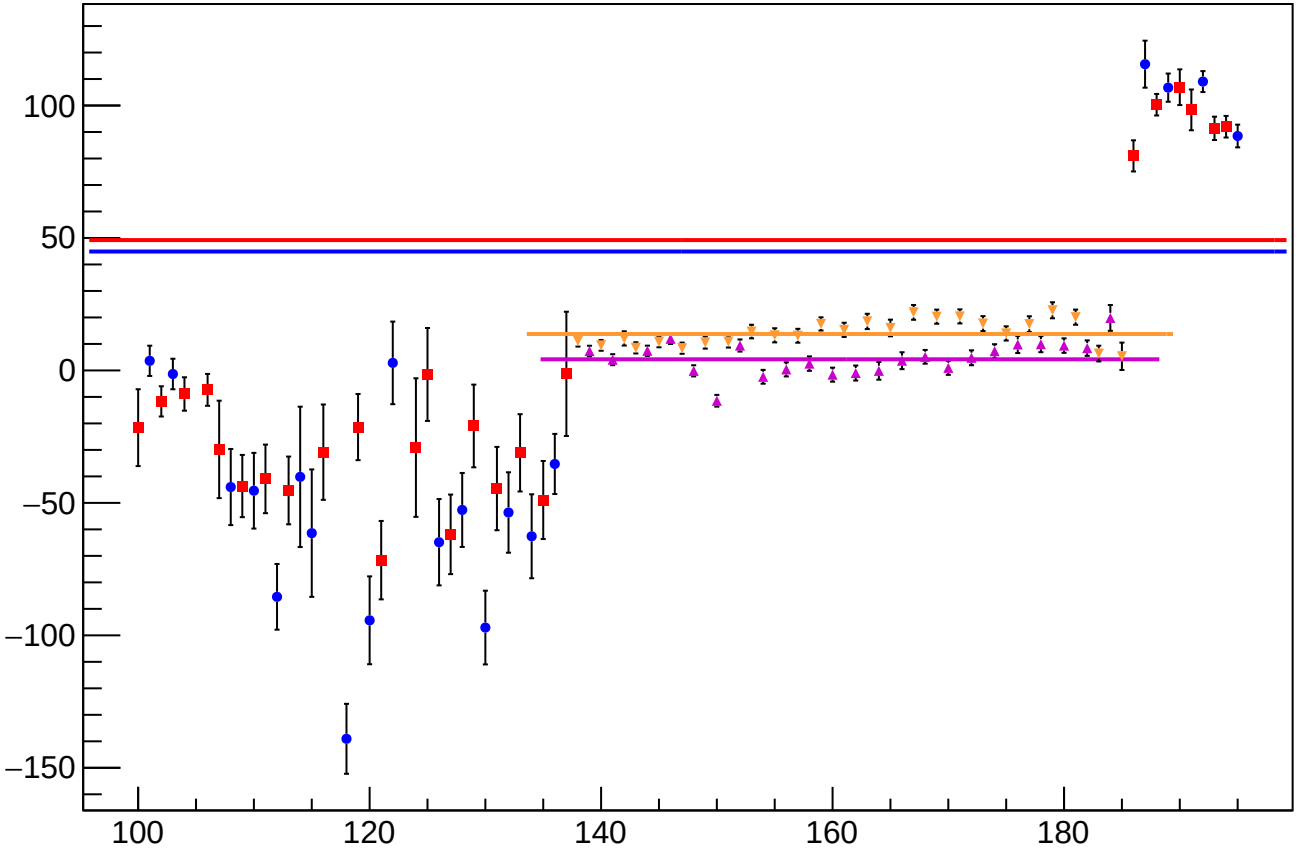
Right: 2352.262+/-0.612 χ^2/NDF: 15289396.7/44

In: 3262.885+/-0.880 χ^2/NDF:29790687.2/42

Out: 3139.974+/-0.806 χ^2/NDF:33163435.4/49

All: 3196.064+/-0.595 χ^2/NDF: 62964726.7/9

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 44.887+/-1.857 χ^2/NDF: 1507.4/19

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 49.203+/-1.595 χ^2/NDF: 1323.0/24

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

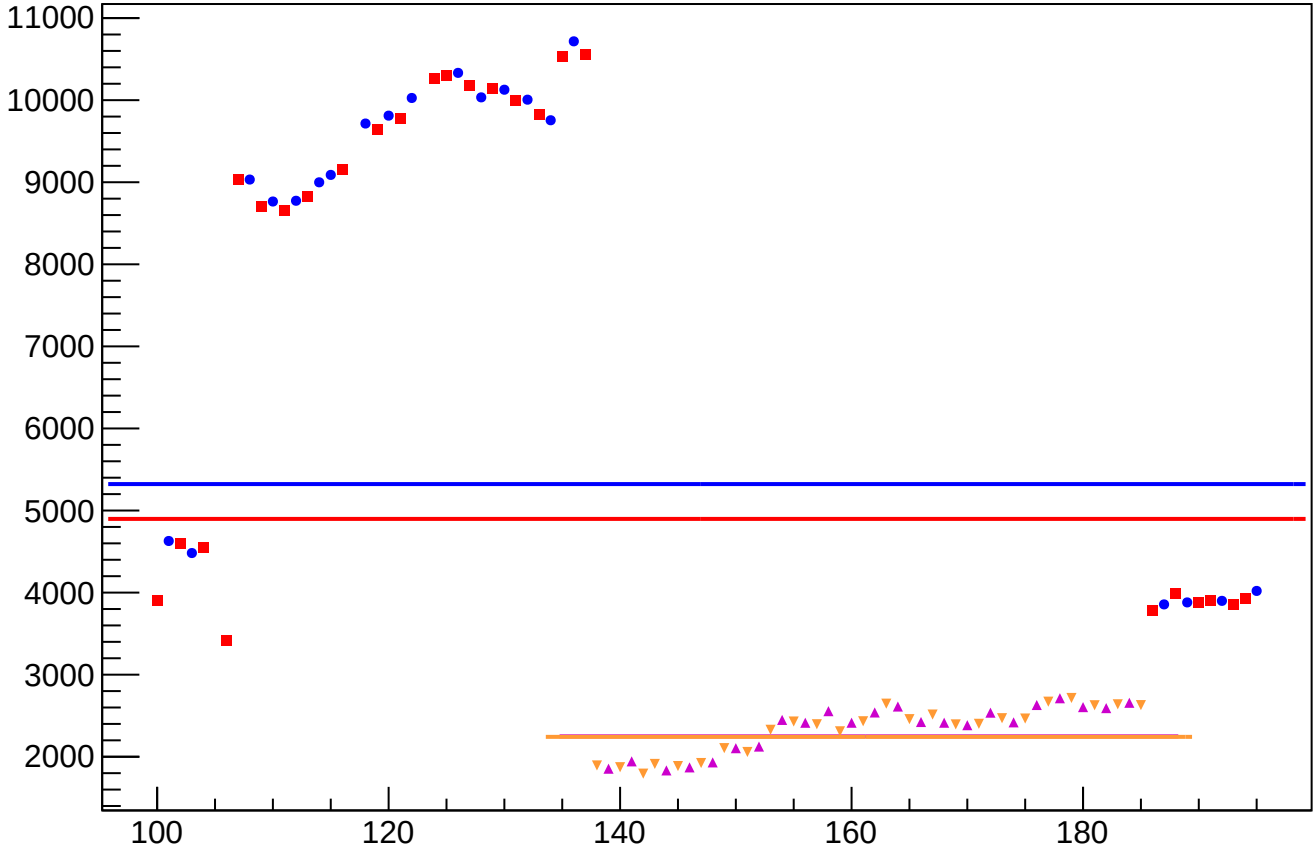
Right: 47.371+/-1.210 χ^2/NDF: 2833.6/44

In: 7.267+/-0.510 χ^2/NDF:2075.1/42

Out: 17.094+/-0.489 χ^2/NDF:1847.4/49

All: 12.382+/-0.353 χ^2/NDF: 4115.9/92

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 5322.265+/-1.313 χ^2/NDF: 3211194.8/19

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4897.922+/-1.128 χ^2/NDF: 3498998.5/24

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

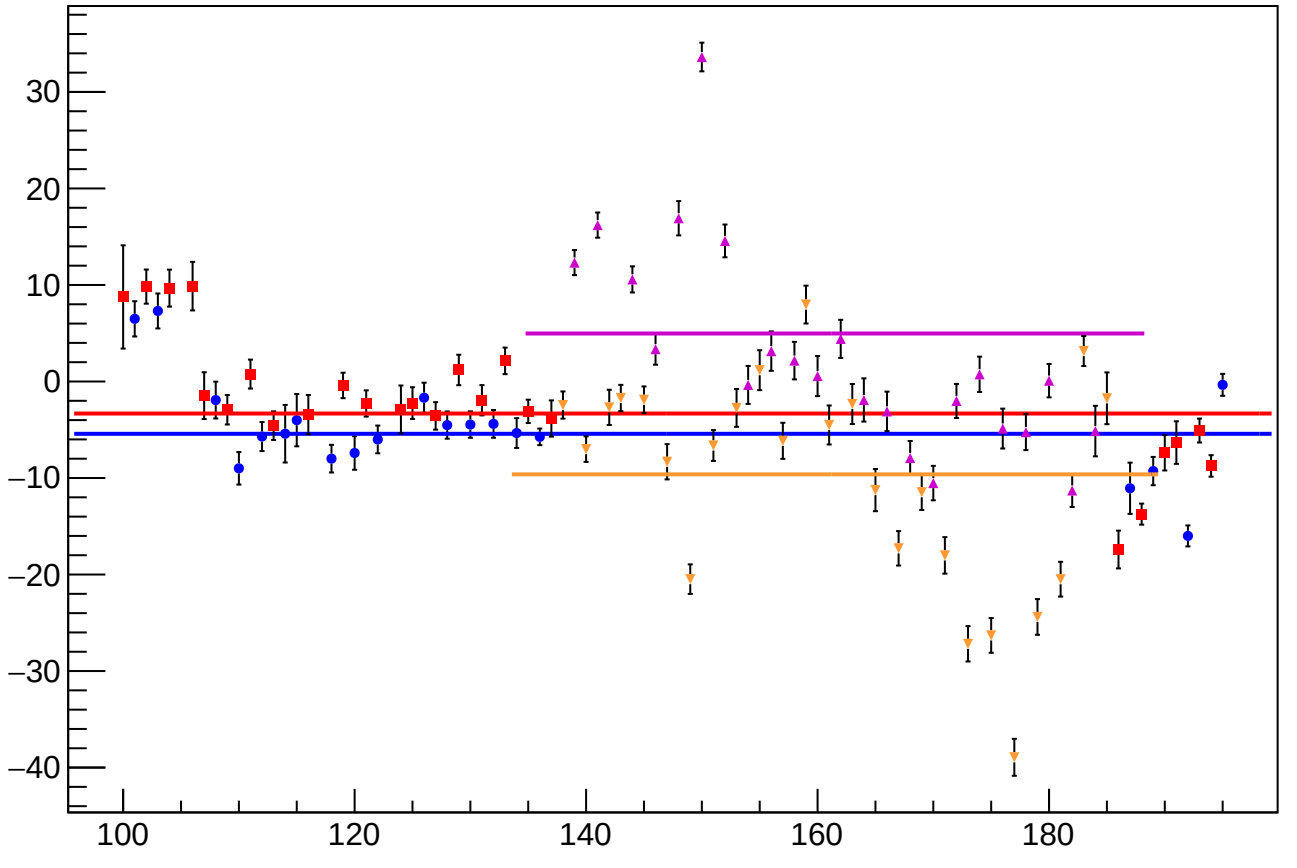
Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

Right: 5078.101+/-0.856 χ^2/NDF: 6770268.7/44

In: 2480.096+/-0.360 χ^2/NDF:8918768.1/42

Out: 2492.052+/-0.346 χ^2/NDF:9176888.5/49

All: 2486.319+/-0.250 χ^2/NDF: 18096229.4/9



Right In: -5.420+/-0.330 χ^2/NDF: 238.4/19

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -3.318+/-0.316 χ^2/NDF: 349.0/24

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

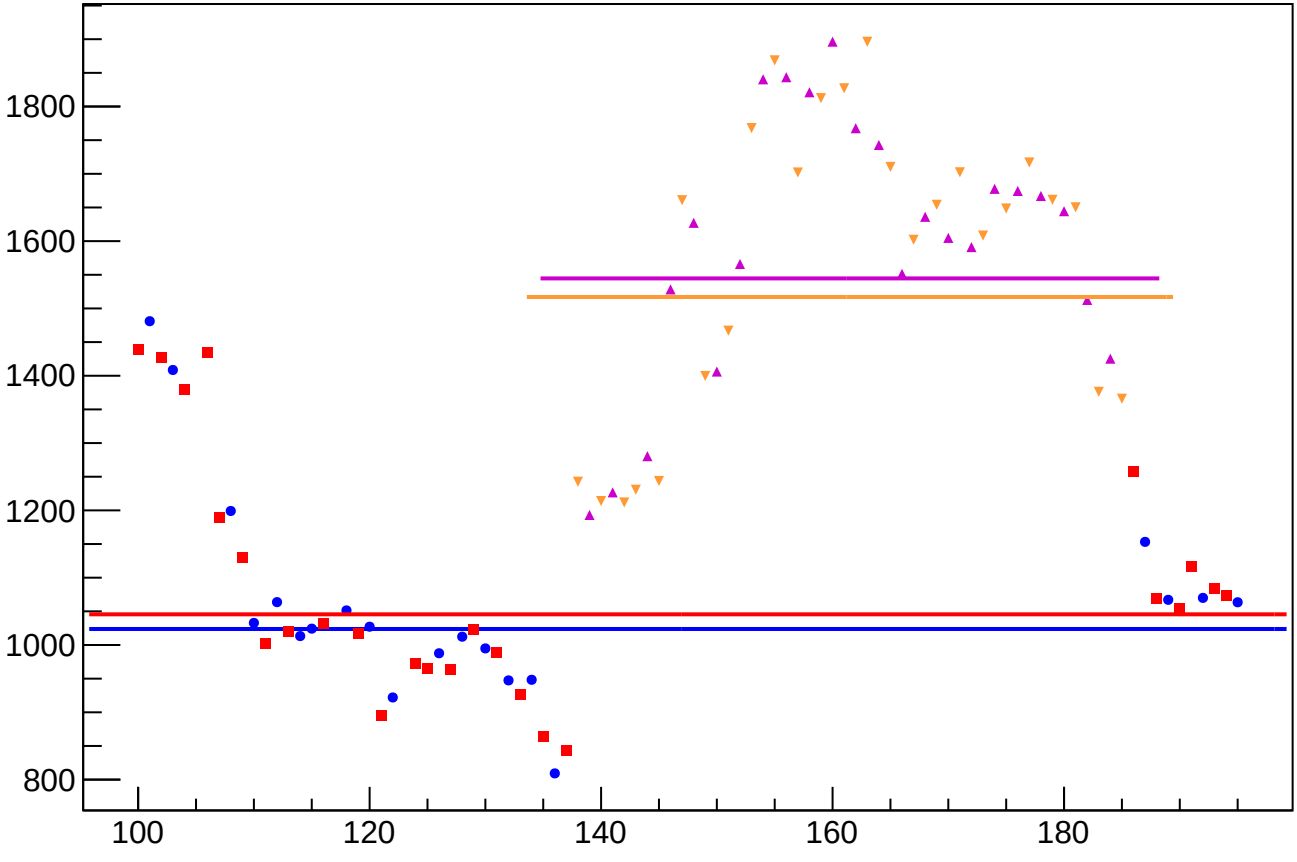
Right: -4.322+/-0.228 χ^2/NDF: 608.6/44

In: -0.735+/-0.245 χ^2/NDF:1614.6/42

Out: -6.154+/-0.234 χ^2/NDF:1462.7/49

All: -3.565+/-0.169 χ^2/NDF: 3333.1/92

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1023.771+/-0.234 χ^2/NDF: 394811.9/19

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1045.562+/-0.223 χ^2/NDF: 381418.0/24

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

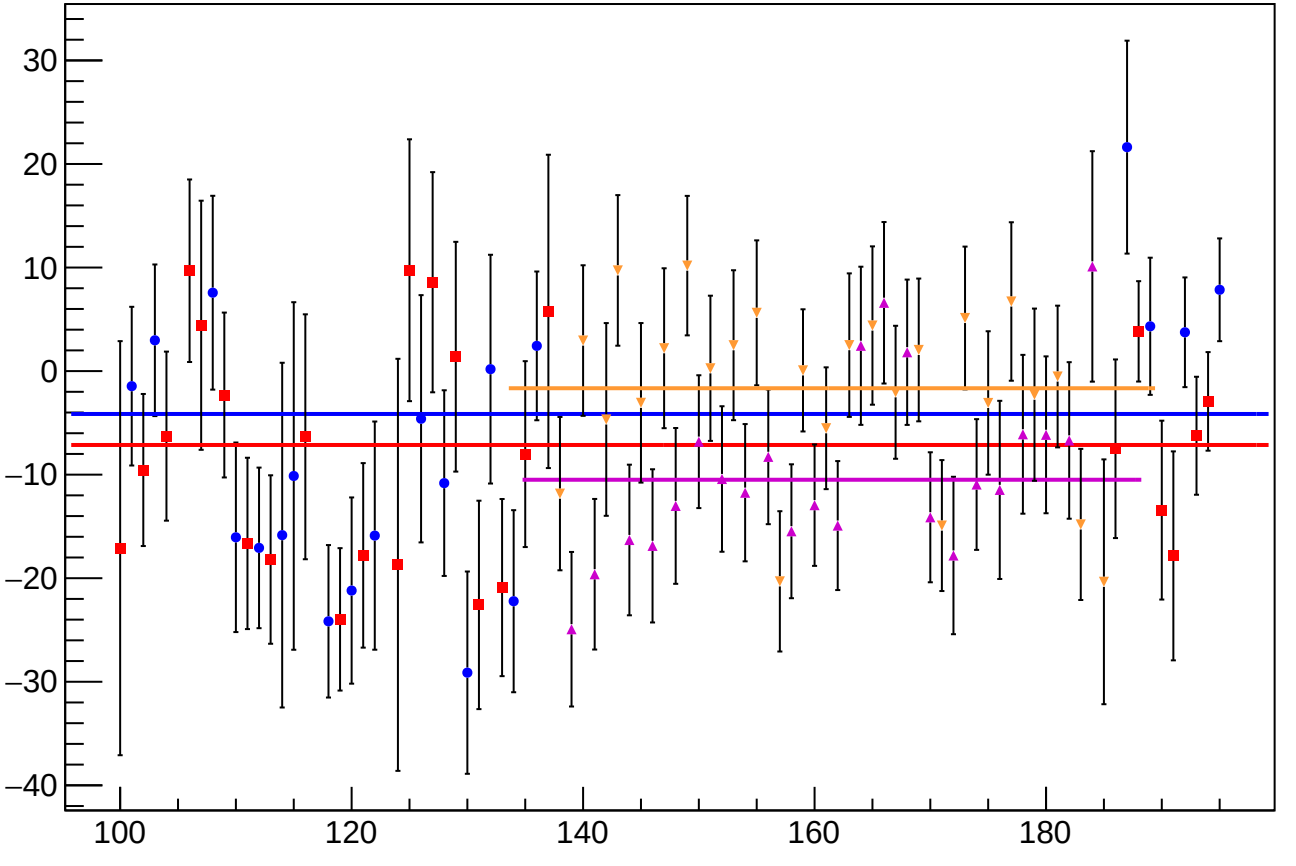
Right: 1035.160+/-0.161 χ^2/NDF: 780779.6/44

In: 1258.537+/-0.173 χ^2/NDF:3275114.2/42

Out: 1257.637+/-0.166 χ^2/NDF:3221067.7/49

All: 1258.067+/-0.120 χ^2/NDF: 6496196.0/92

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -4.140+/-1.823 χ^2/NDF: 48.2/19

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -7.134+/-1.661 χ^2/NDF: 34.1/24

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

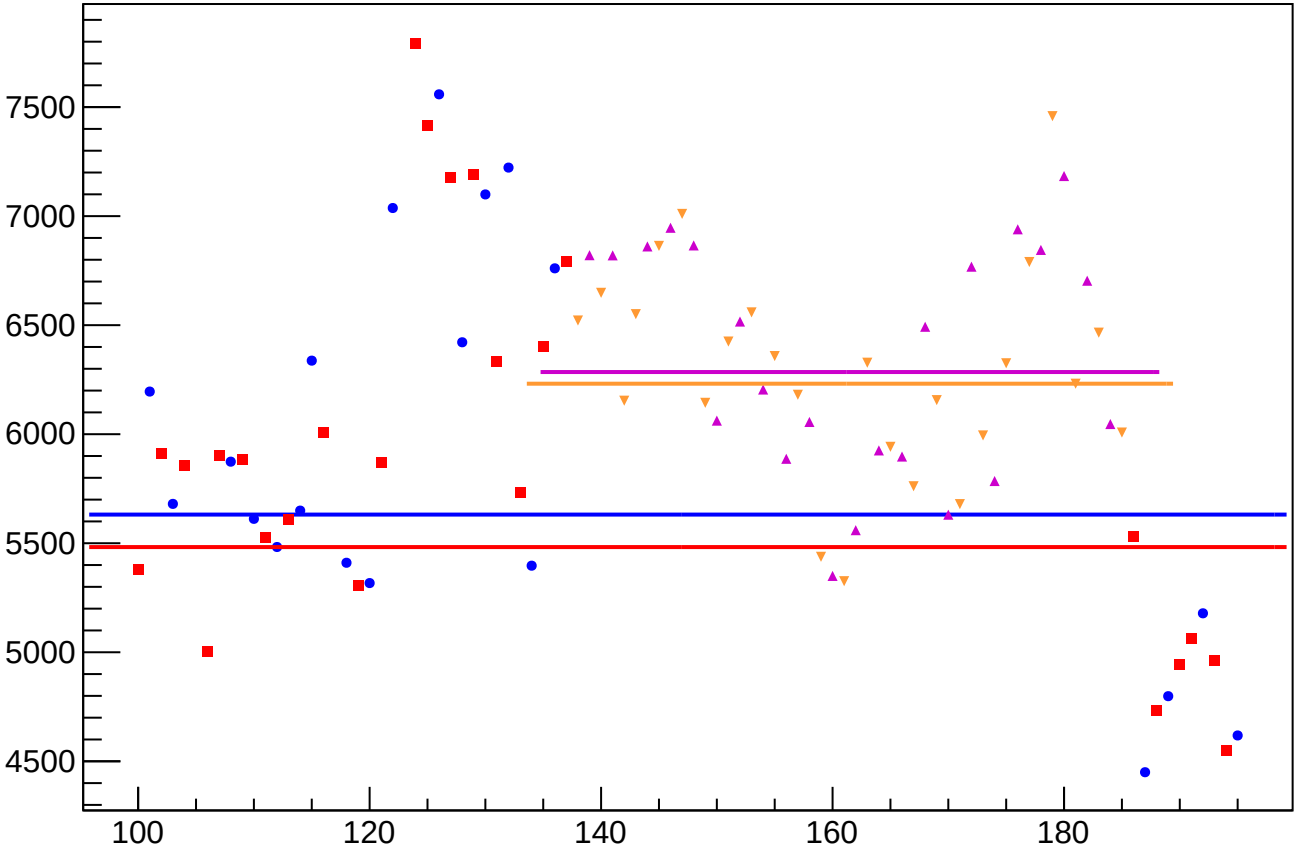
Right: -5.776+/-1.228 χ^2/NDF: 83.7/44

In: -7.970+/-1.149 χ^2/NDF:80.4/42

Out: -3.981+/-1.082 χ^2/NDF:71.8/49

All: -5.856+/-0.788 χ^2/NDF: 158.6/92

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5631.376+/-1.289 χ^2/NDF: 414559.6/19

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5482.356+/-1.174 χ^2/NDF: 410183.9/24

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

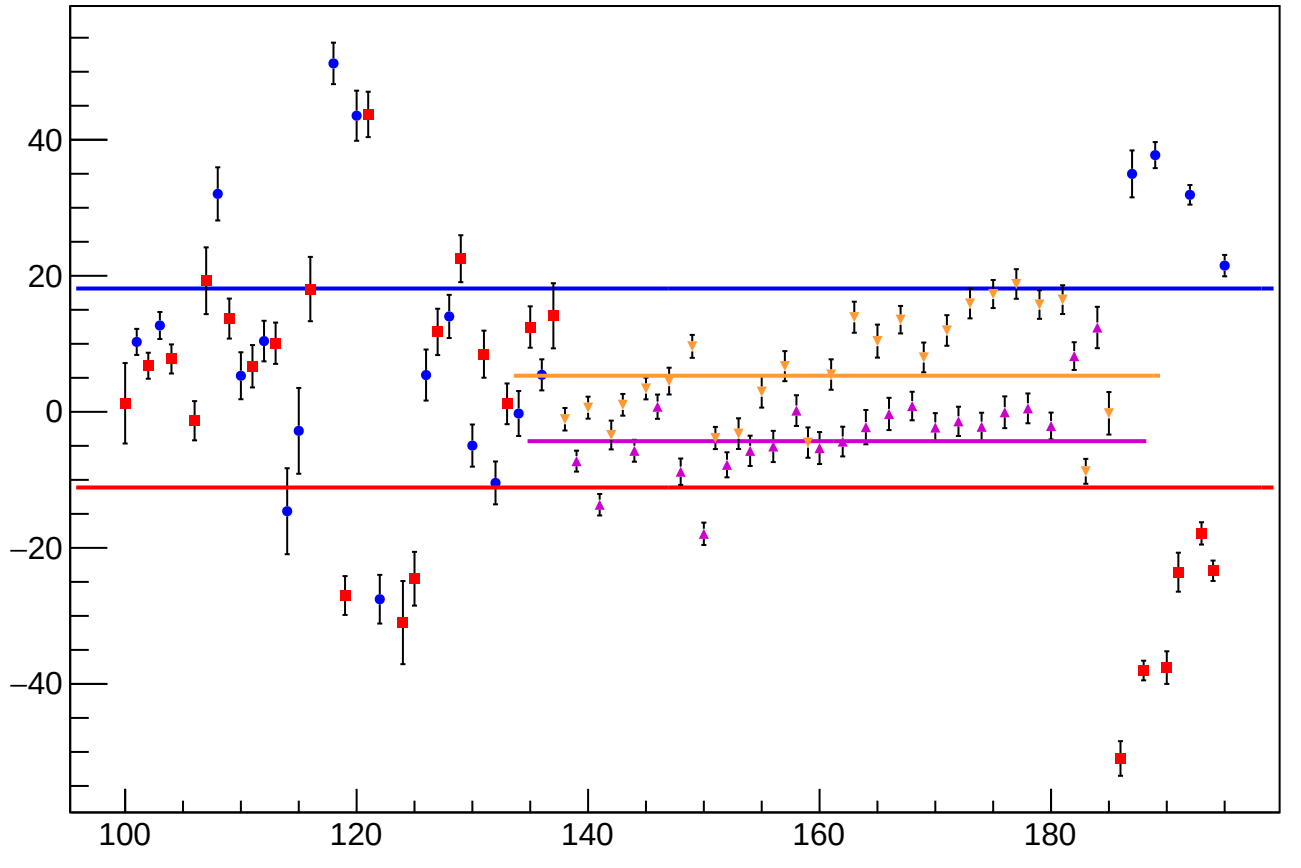
Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

Right: 5549.939+/-0.868 χ^2/NDF: 832045.9/44

In: 6025.452+/-0.812 χ^2/NDF:834936.4/42

Out: 5913.555+/-0.765 χ^2/NDF:871387.9/49

All: 5966.152+/-0.557 χ^2/NDF: 1716377.9/92



Right In: 18.132+/-0.578 χ^2/NDF: 860.5/19

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -11.121+/-0.525 χ^2/NDF: 1828.7/24

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

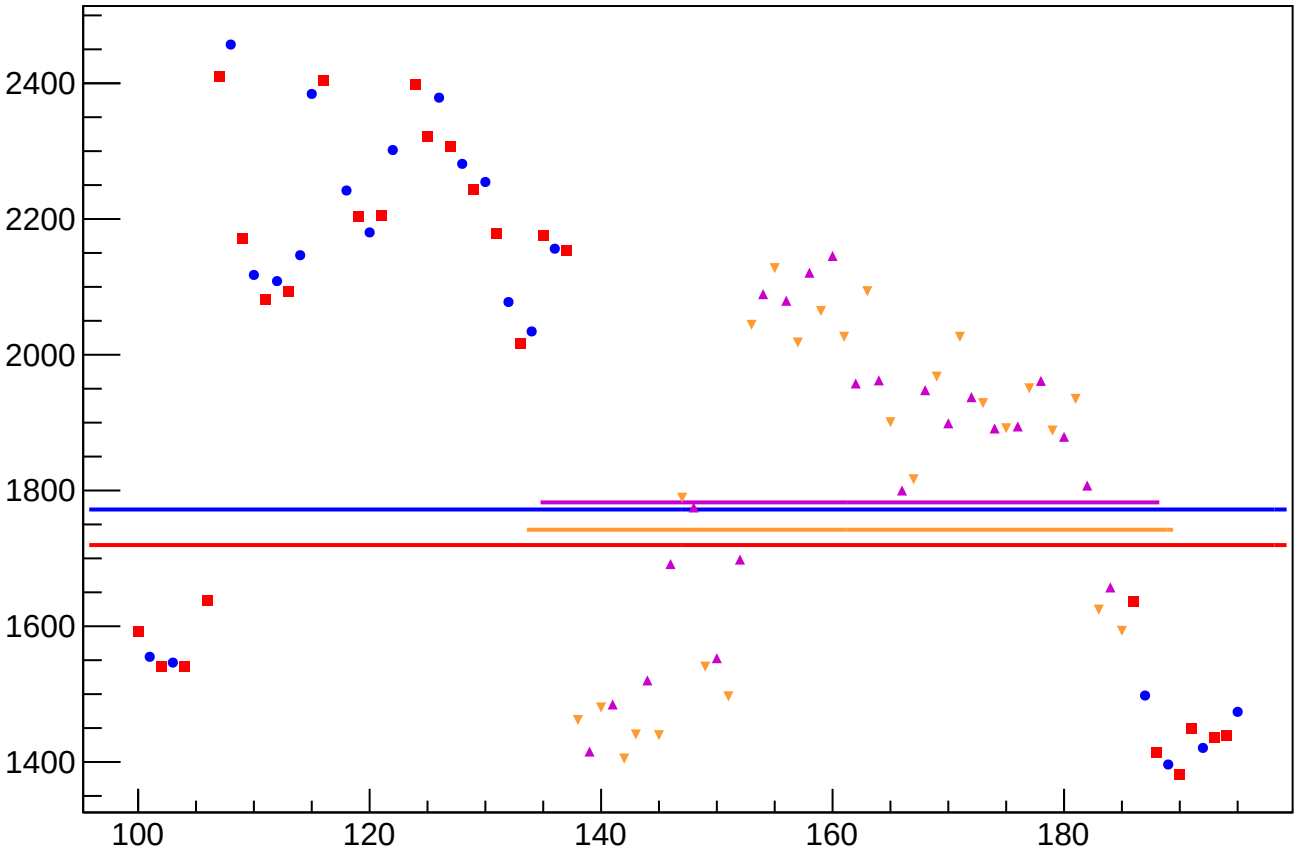
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 2.118+/-0.389 χ^2/NDF: 4092.4/44

In: 3.451+/-0.340 χ^2/NDF:2067.9/42

Out: -0.725+/-0.318 χ^2/NDF:2825.8/49

All: 1.227+/-0.232 χ^2/NDF: 4974.1/92



Right In: 1772.017+/-0.409 χ^2/NDF: 820221.1/19

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1719.621+/-0.371 χ^2/NDF: 892454.8/24

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

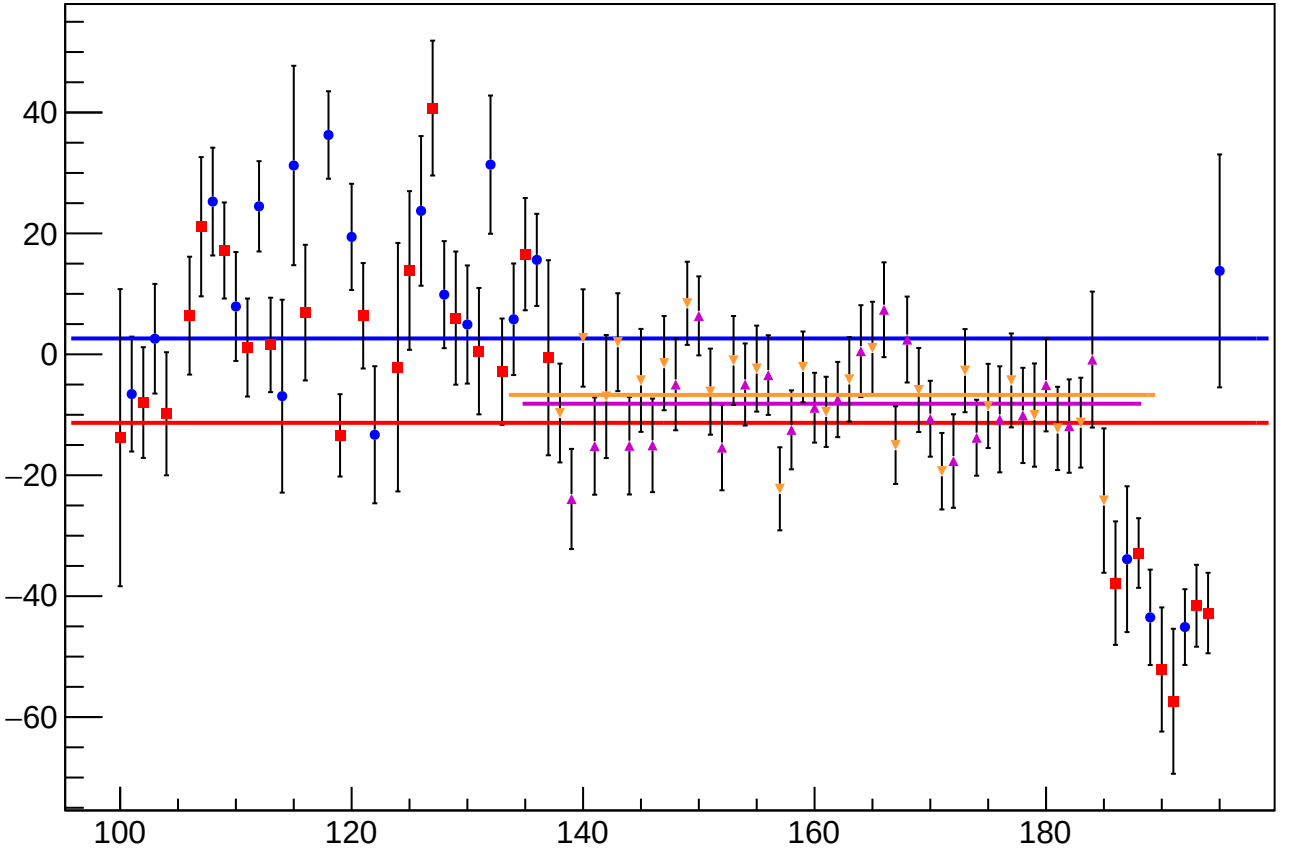
Right: 1743.333+/-0.275 χ^2/NDF: 1721679.9/44

In: 1778.876+/-0.240 χ^2/NDF:1355026.9/42

Out: 1733.915+/-0.225 χ^2/NDF:1662459.5/49

All: 1754.939+/-0.164 χ^2/NDF: 3036131.7/92

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.625+/-2.080 χ^2/NDF: 161.7/19

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.331+/-1.844 χ^2/NDF: 169.6/24

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

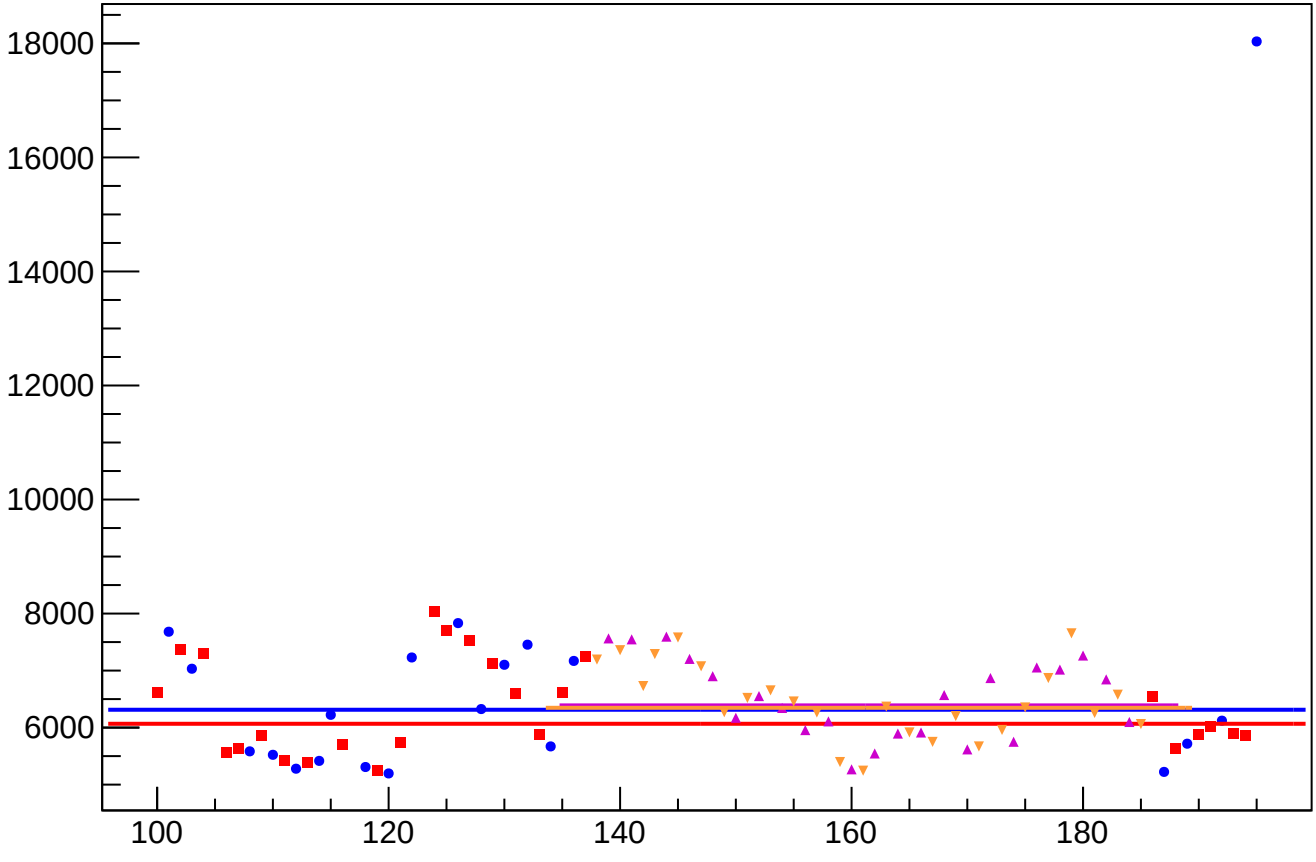
Right: -5.189+/-1.380 χ^2/NDF: 356.5/44

In: -4.446+/-1.222 χ^2/NDF:203.5/42

Out: -8.488+/-1.144 χ^2/NDF:199.1/49

All: -6.601+/-0.835 χ^2/NDF: 408.5/92

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6313.084+/-1.471 χ^2/NDF: 1079871.2/19

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6067.024+/-1.304 χ^2/NDF: 288414.8/24

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

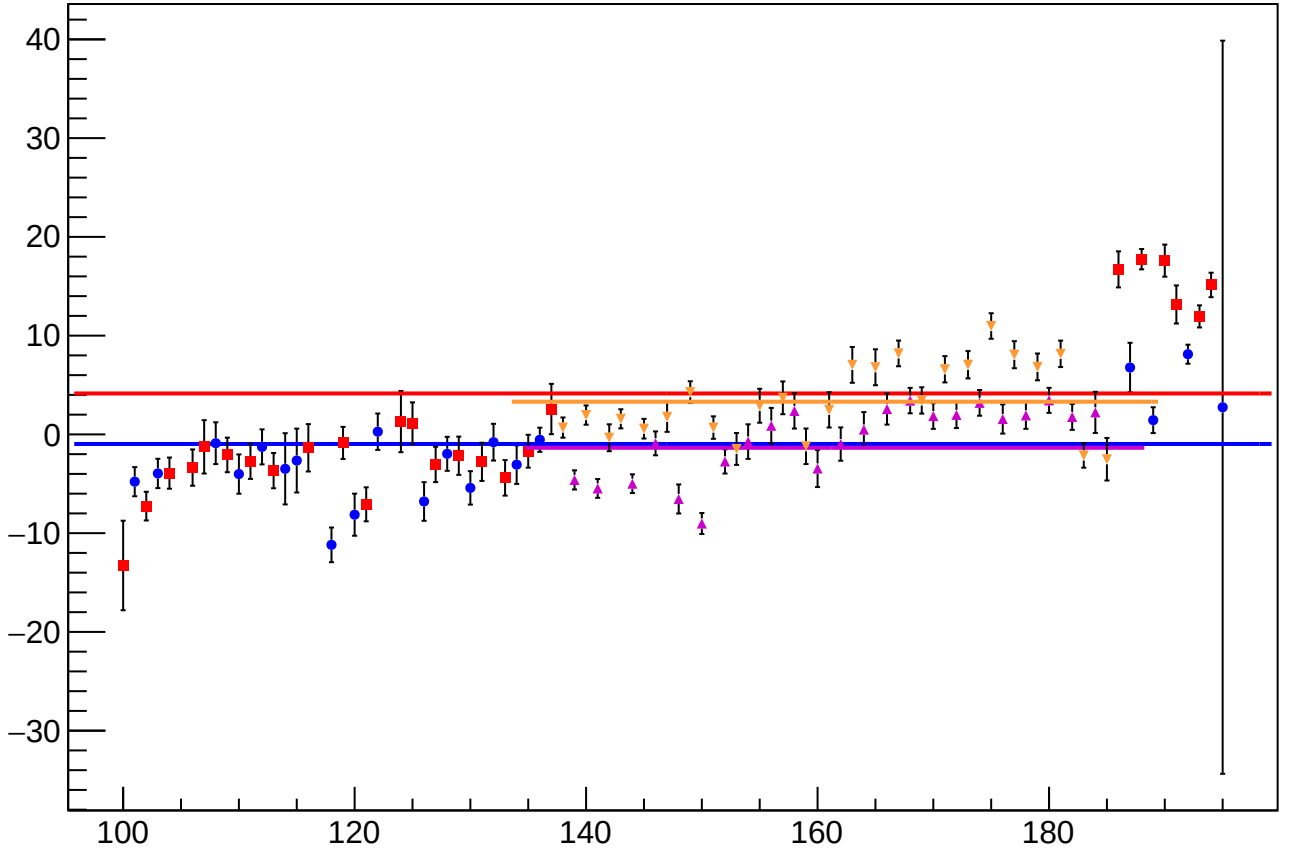
Right: 6175.317+/-0.976 χ^2/NDF: 1383950.6/44

In: 6363.085+/-0.864 χ^2/NDF:1501391.5/42

Out: 6239.533+/-0.809 χ^2/NDF:702862.4/49

All: 6297.223+/-0.590 χ^2/NDF: 2215152.3/92

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.969+/-0.386 χ^2/NDF: 178.9/19

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.146+/-0.342 χ^2/NDF: 744.4/24

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

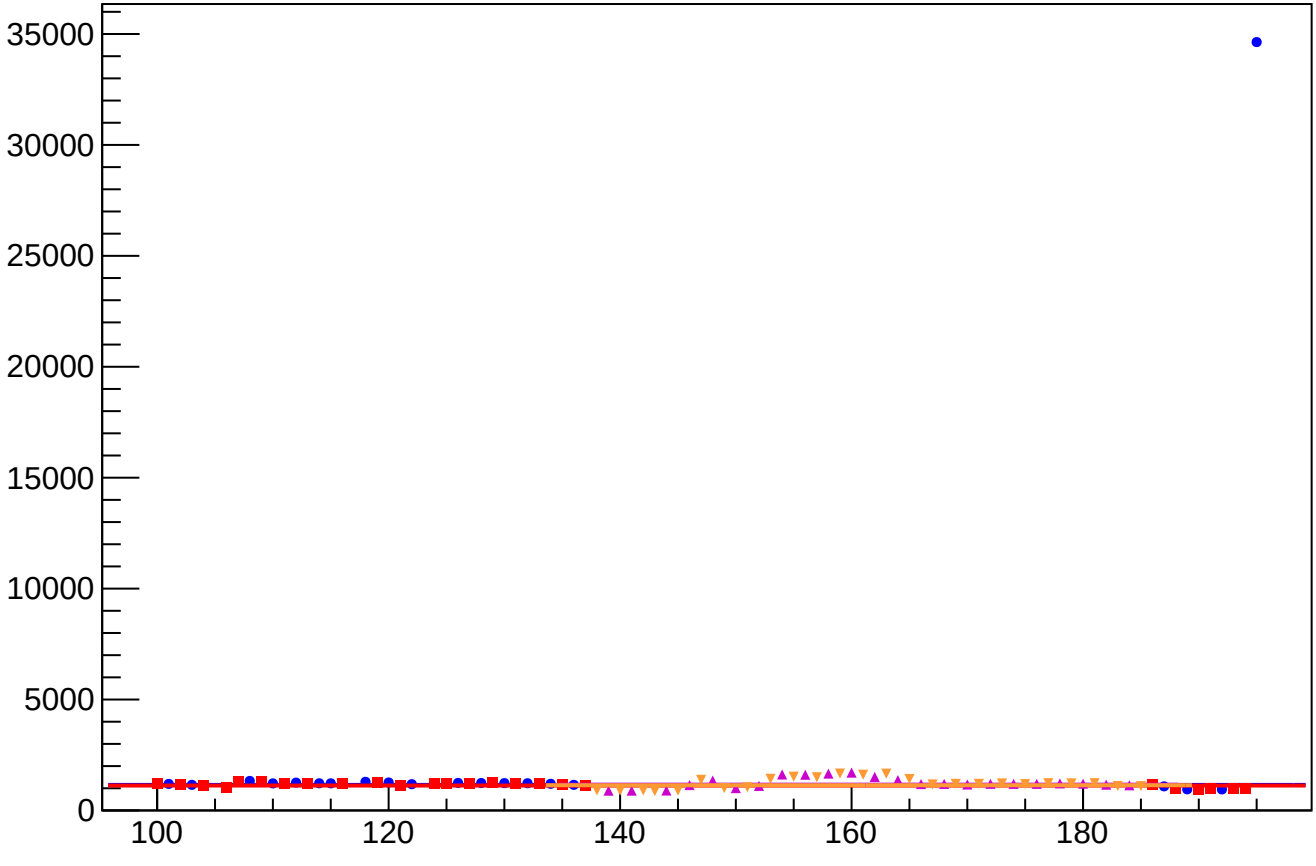
Right: 1.896+/-0.256 χ^2/NDF: 1021.6/44

In: -1.224+/-0.225 χ^2/NDF:375.8/42

Out: 3.623+/-0.209 χ^2/NDF:926.0/49

All: 1.374+/-0.153 χ^2/NDF: 1550.9/92

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1151.348+/-0.273 χ^2/NDF: 1827960.9/19

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1123.238+/-0.242 χ^2/NDF: 218627.4/24

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

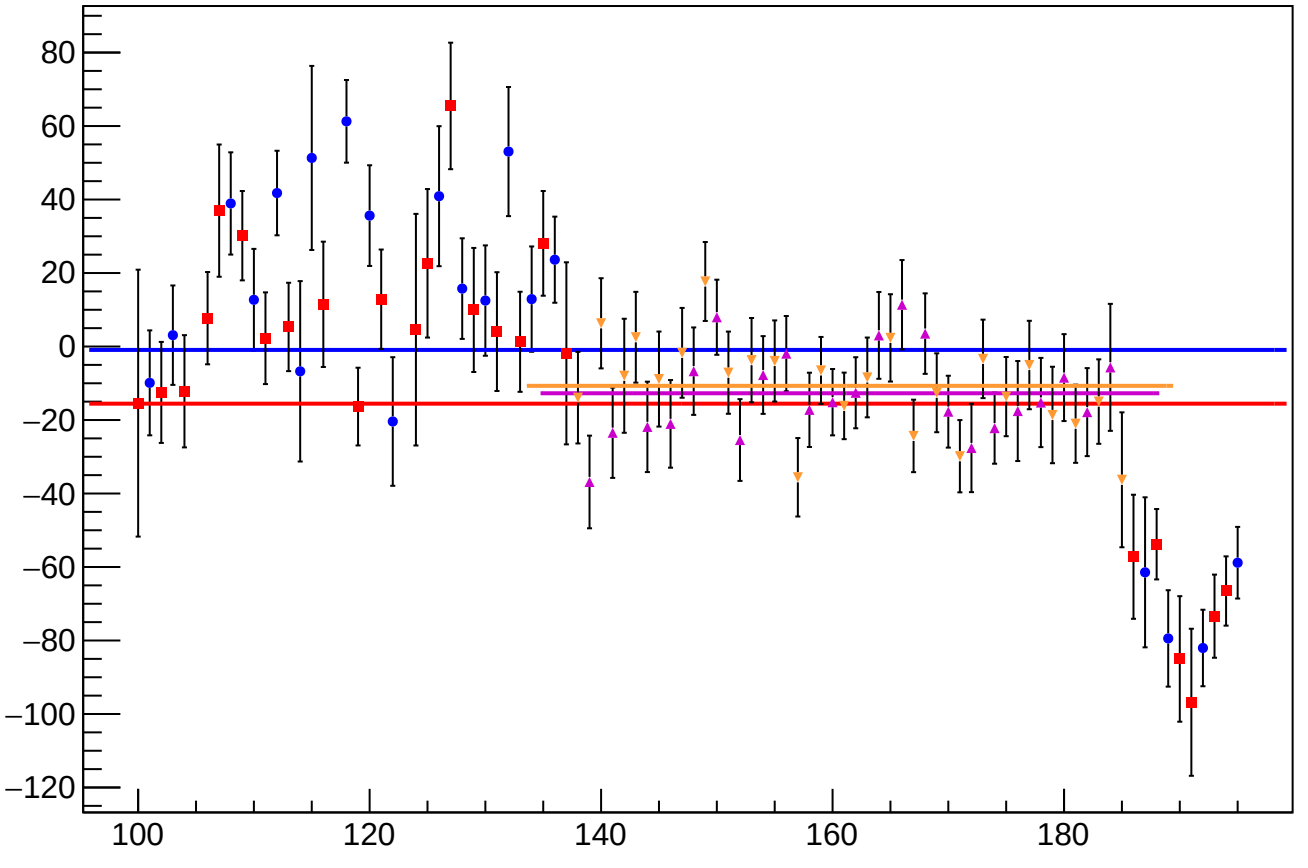
Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

Right: 1135.603+/-0.181 χ^2/NDF: 2052527.9/44

In: 1156.689+/-0.159 χ^2/NDF:3088333.8/42

Out: 1131.947+/-0.148 χ^2/NDF:1690384.0/49

All: 1143.427+/-0.108 χ^2/NDF: 4791695.0/92



Right In: -0.925+/-3.102 χ^2/NDF: 229.2/19

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -15.550+/-2.849 χ^2/NDF: 189.7/24

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

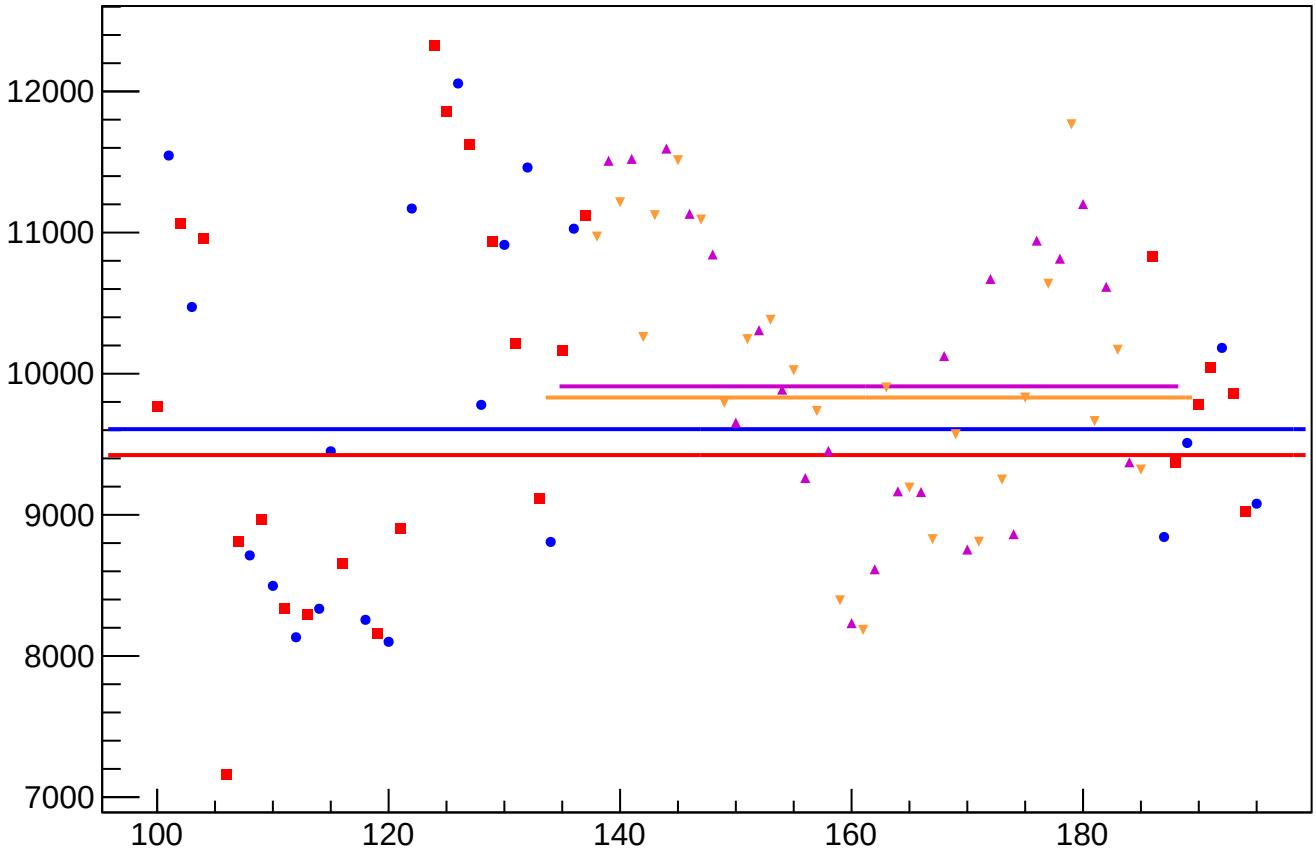
Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

Right: -8.859+/-2.098 χ^2/NDF: 431.0/44

In: -8.439+/-1.869 χ^2/NDF:262.5/42

Out: -12.569+/-1.769 χ^2/NDF:220.2/49

All: -10.617+/-1.285 χ^2/NDF: 485.3/92



Right In: 9607.219+/-2.193 χ^2/NDF: 294742.1/19

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9423.635+/-2.014 χ^2/NDF: 325892.1/24

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

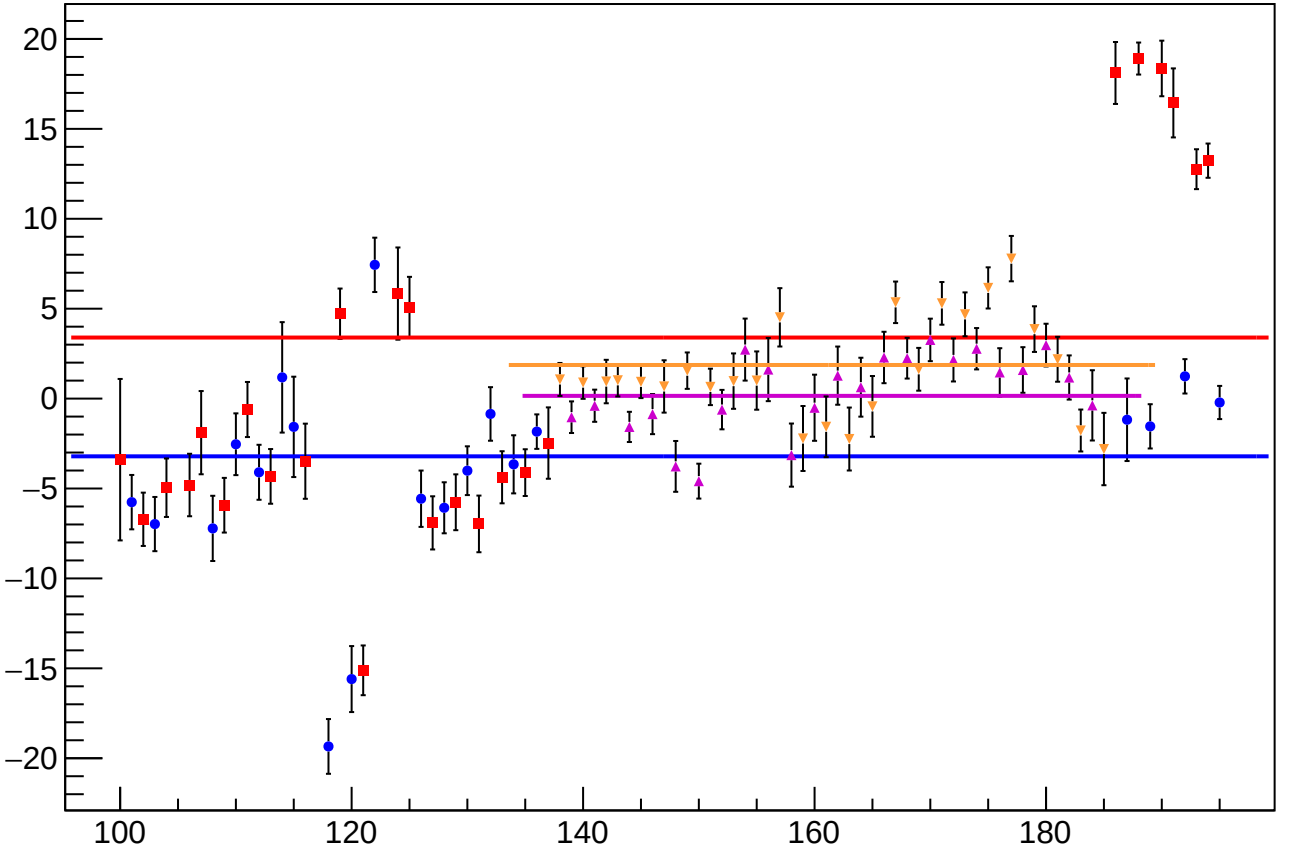
Right: 9507.629+/-1.484 χ^2/NDF: 624434.7/44

In: 9800.323+/-1.321 χ^2/NDF:696275.9/42

Out: 9674.062+/-1.251 χ^2/NDF:707178.9/49

All: 9733.747+/-0.908 χ^2/NDF: 1408270.3/92

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -3.211+/-0.319 χ^2/NDF: 270.5/19

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.395+/-0.298 χ^2/NDF: 1258.0/24

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

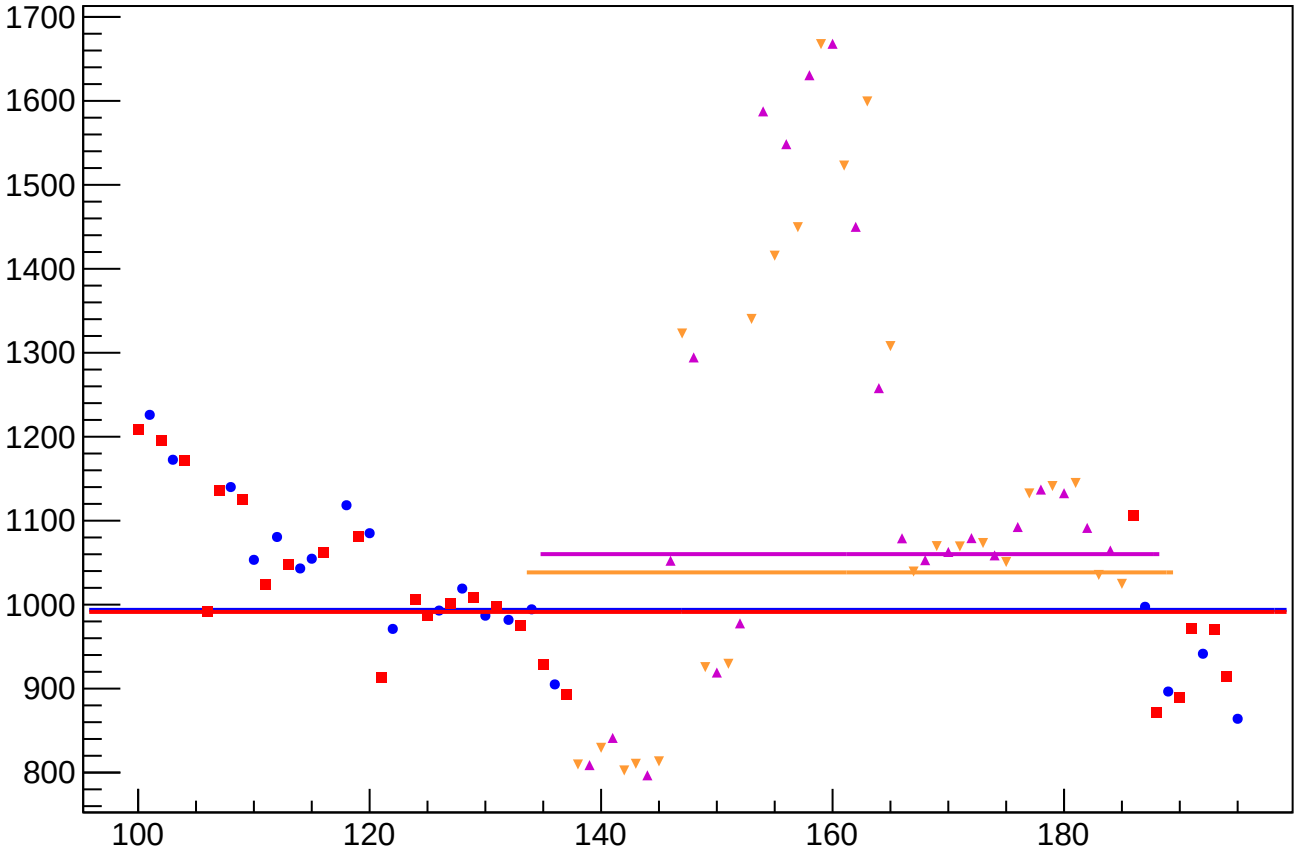
Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

Right: 0.315+/-0.218 χ^2/NDF: 1757.7/44

In: -1.157+/-0.199 χ^2/NDF:414.1/42

Out: 2.478+/-0.188 χ^2/NDF:1377.0/49

All: 0.761+/-0.137 χ^2/NDF: 1967.3/92



Right In: 993.764+/-0.225 χ^2/NDF: 193463.0/19

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 991.335+/-0.211 χ^2/NDF: 189043.4/24

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

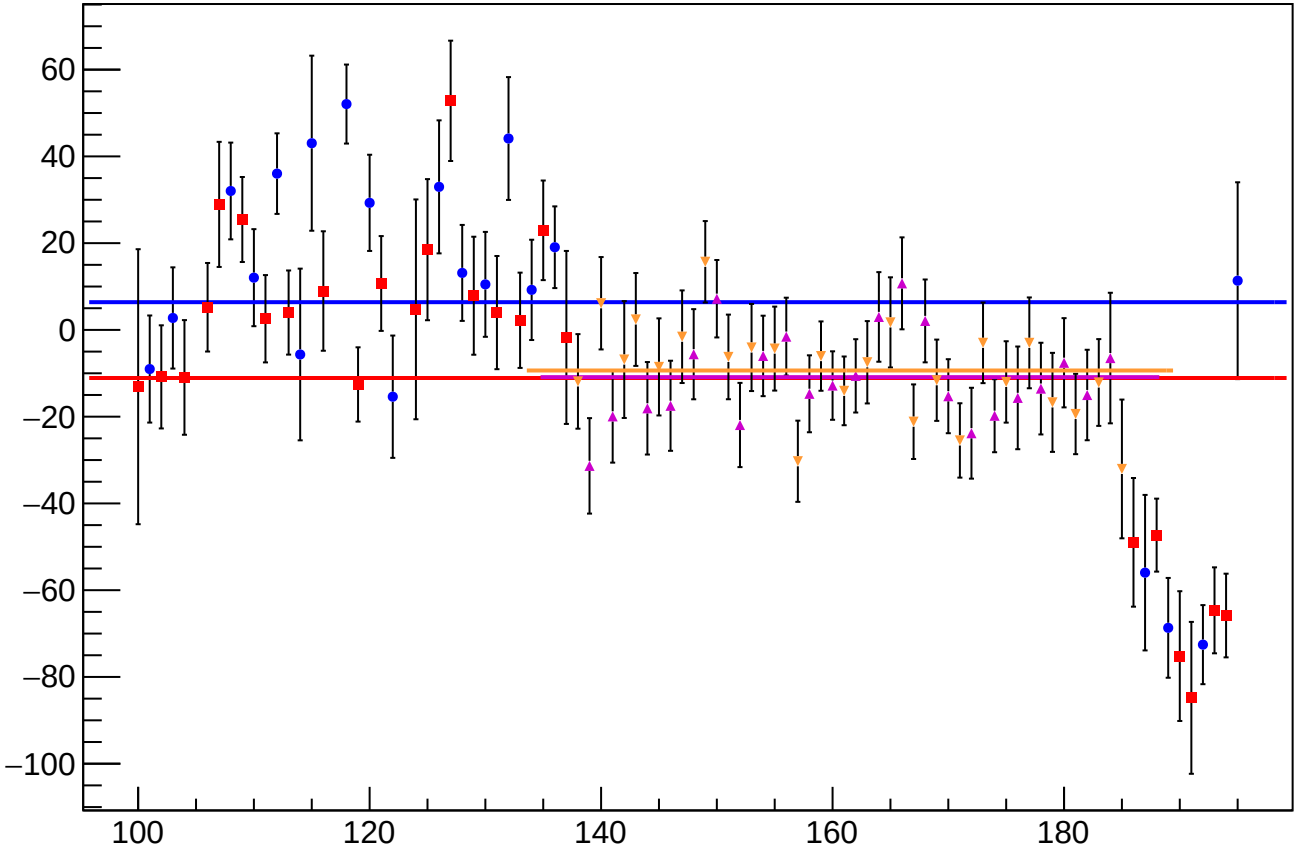
Right: 992.468+/-0.154 χ^2/NDF: 382568.4/44

In: 1034.321+/-0.141 χ^2/NDF:1769671.5/42

Out: 1019.636+/-0.133 χ^2/NDF:1925737.9/49

All: 1026.571+/-0.097 χ^2/NDF: 3701163.5/92

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 6.393+/-2.678 χ^2/NDF: 195.1/19

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -11.086+/-2.398 χ^2/NDF: 195.8/24

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

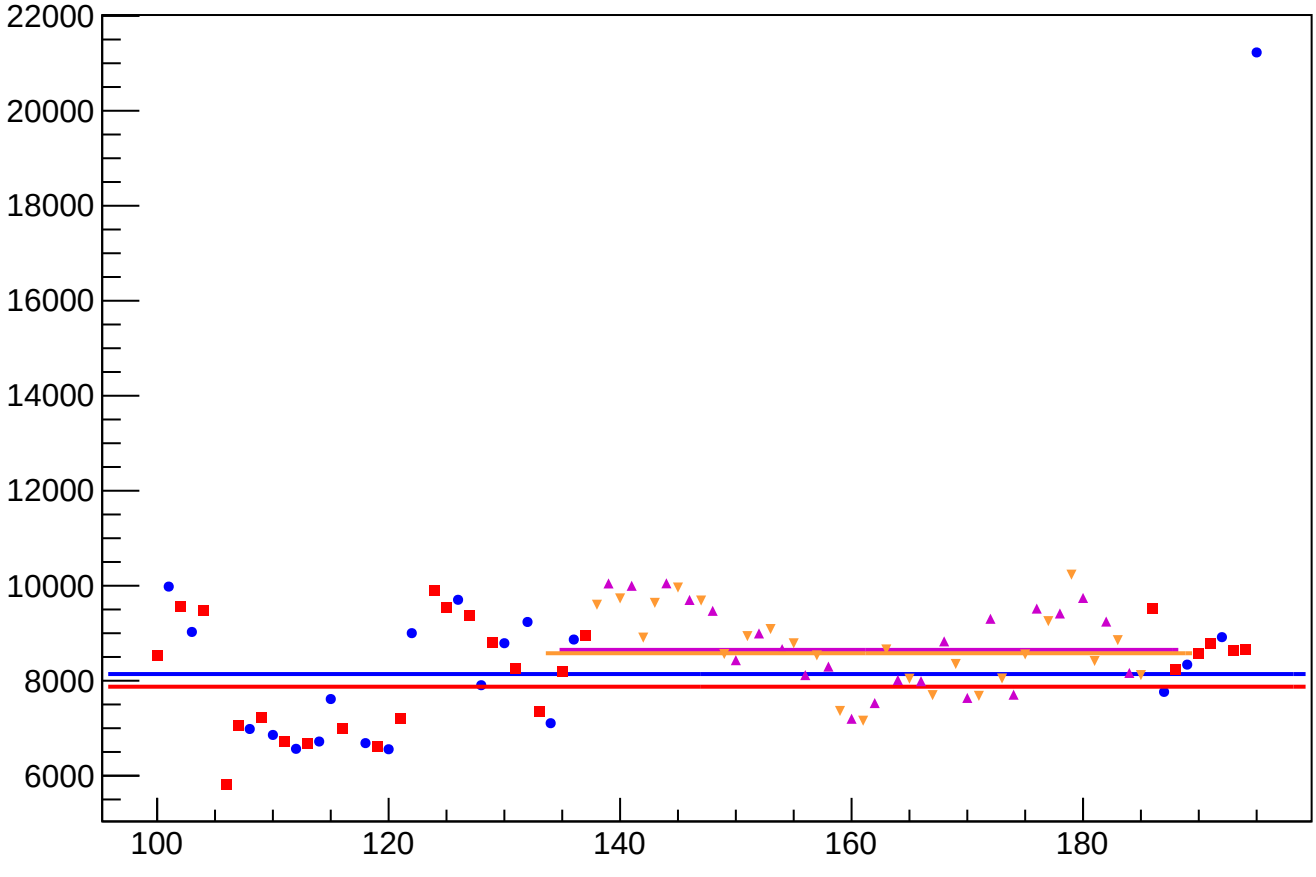
Right: -3.309+/-1.786 χ^2/NDF: 414.5/44

In: -4.535+/-1.624 χ^2/NDF:245.0/42

Out: -10.052+/-1.522 χ^2/NDF:224.7/49

All: -7.473+/-1.110 χ^2/NDF: 475.8/92

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8140.528+/-1.894 χ^2/NDF: 1021170.2/19

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7874.060+/-1.695 χ^2/NDF: 426152.5/24

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

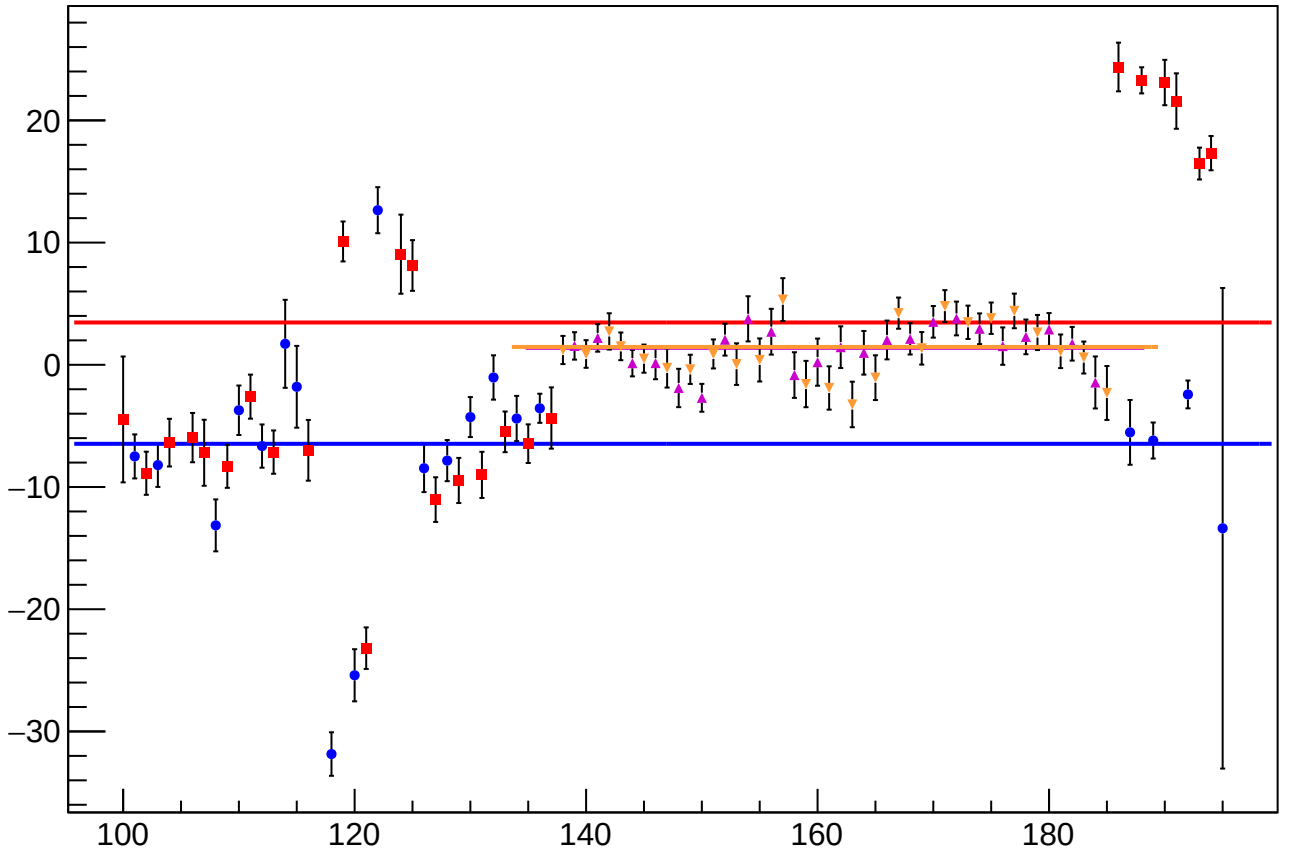
Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

Right: 7992.609+/-1.263 χ^2/NDF: 1458313.1/44

In: 8462.163+/-1.148 χ^2/NDF:1444724.0/42

Out: 8294.671+/-1.076 χ^2/NDF:872943.8/49

All: 8372.973+/-0.785 χ^2/NDF: 2328994.9/92



Right In: -6.464+/-0.406 χ^2/NDF: 437.6/19

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.462+/-0.361 χ^2/NDF: 1554.2/24

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

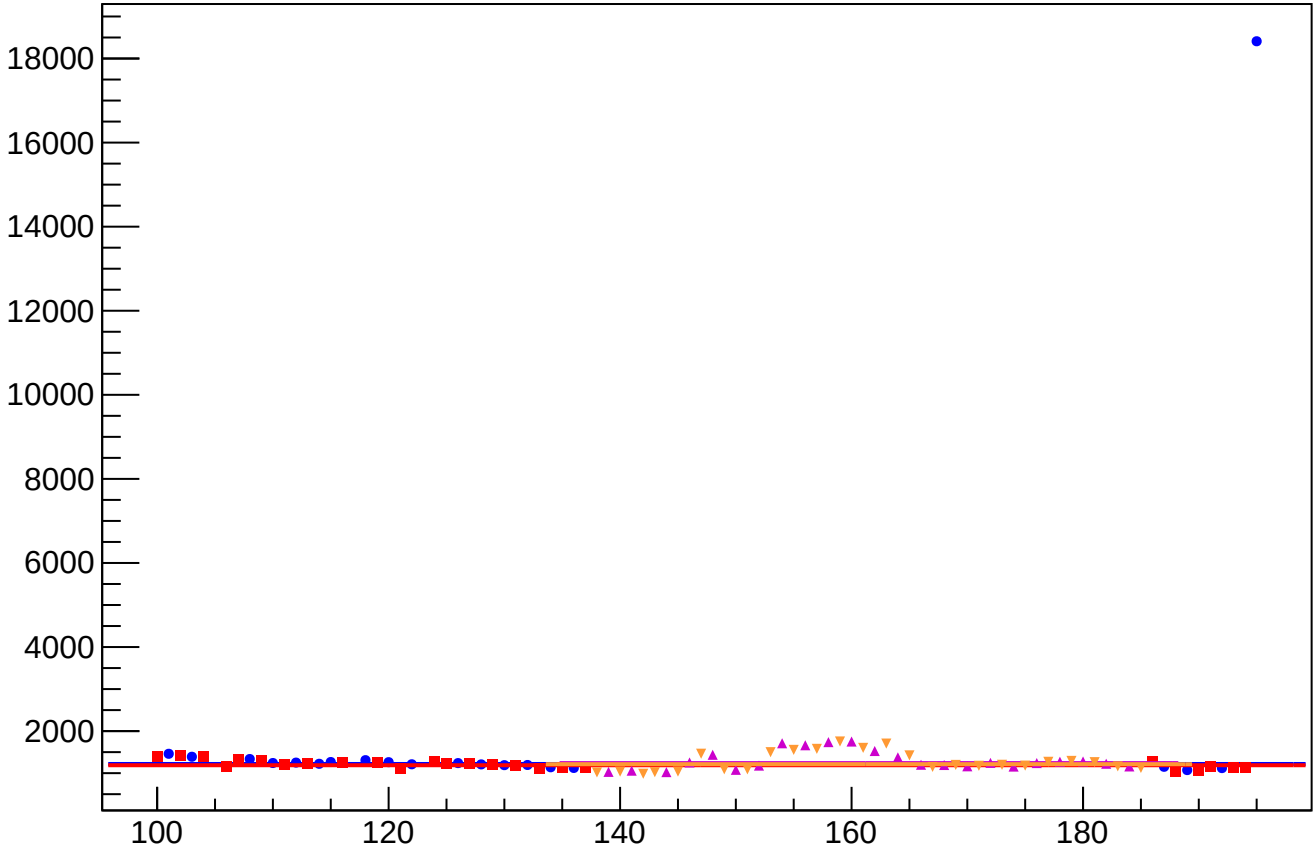
Right: -0.919+/-0.270 χ^2/NDF: 2325.2/44

In: -1.312+/-0.238 χ^2/NDF:718.2/42

Out: 2.214+/-0.222 χ^2/NDF:1624.4/49

All: 0.580+/-0.162 χ^2/NDF: 2460.0/92

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1218.110+/-0.287 χ^2/NDF: 1649862.7/19

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1188.349+/-0.255 χ^2/NDF: 150989.0/24

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

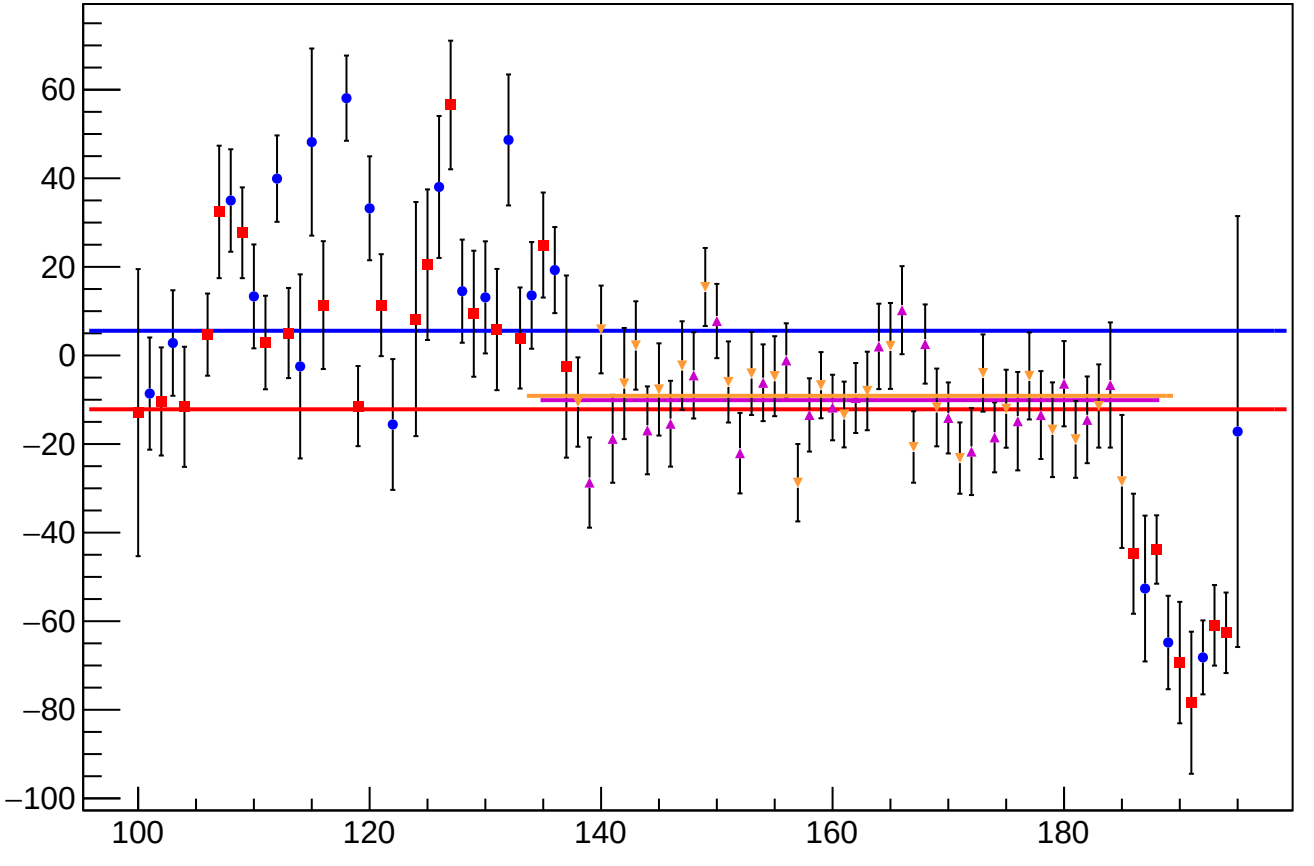
Right: 1201.483+/-0.191 χ^2/NDF: 1806845.5/44

In: 1231.928+/-0.169 χ^2/NDF:2538984.7/42

Out: 1203.887+/-0.157 χ^2/NDF:1169687.7/49

All: 1216.885+/-0.115 χ^2/NDF: 3723523.0/92

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 5.573+/-2.745 χ^2/NDF: 213.4/19

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -12.156+/-2.393 χ^2/NDF: 198.4/24

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

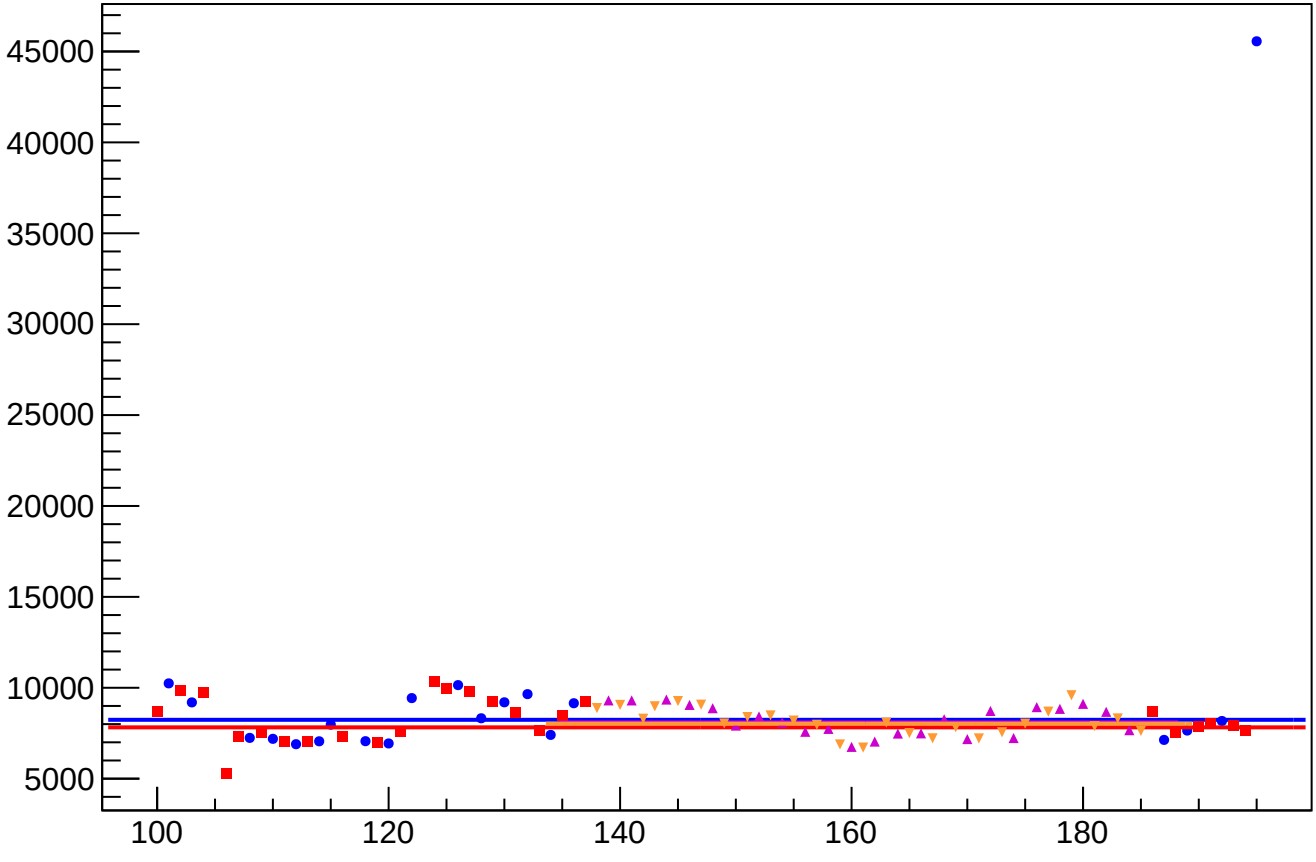
Right: -4.499+/-1.804 χ^2/NDF: 435.6/44

In: -4.978+/-1.568 χ^2/NDF:259.7/42

Out: -10.246+/-1.460 χ^2/NDF:228.2/49

All: -7.801+/-1.069 χ^2/NDF: 493.9/92

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8237.977+/-1.941 χ^2/NDF: 1483791.6/19

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7822.863+/-1.692 χ^2/NDF: 435114.5/24

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

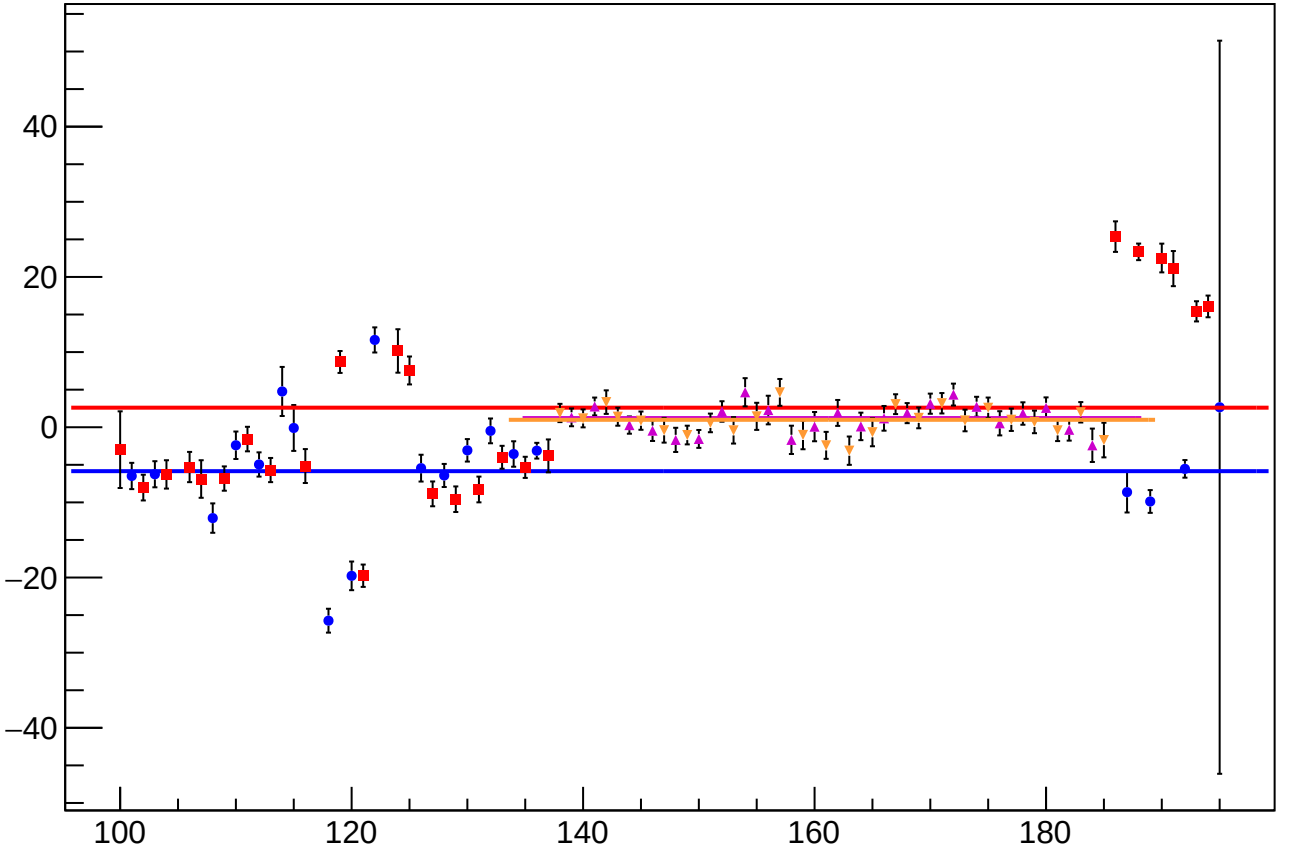
Right: 8002.160+/-1.275 χ^2/NDF: 1944897.4/44

In: 8141.941+/-1.109 χ^2/NDF:1854879.5/42

Out: 7951.694+/-1.032 χ^2/NDF:776803.8/49

All: 8040.009+/-0.756 χ^2/NDF: 2647449.5/92

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.845+/-0.379 χ^2/NDF: 378.7/19

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.604+/-0.343 χ^2/NDF: 1456.1/24

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

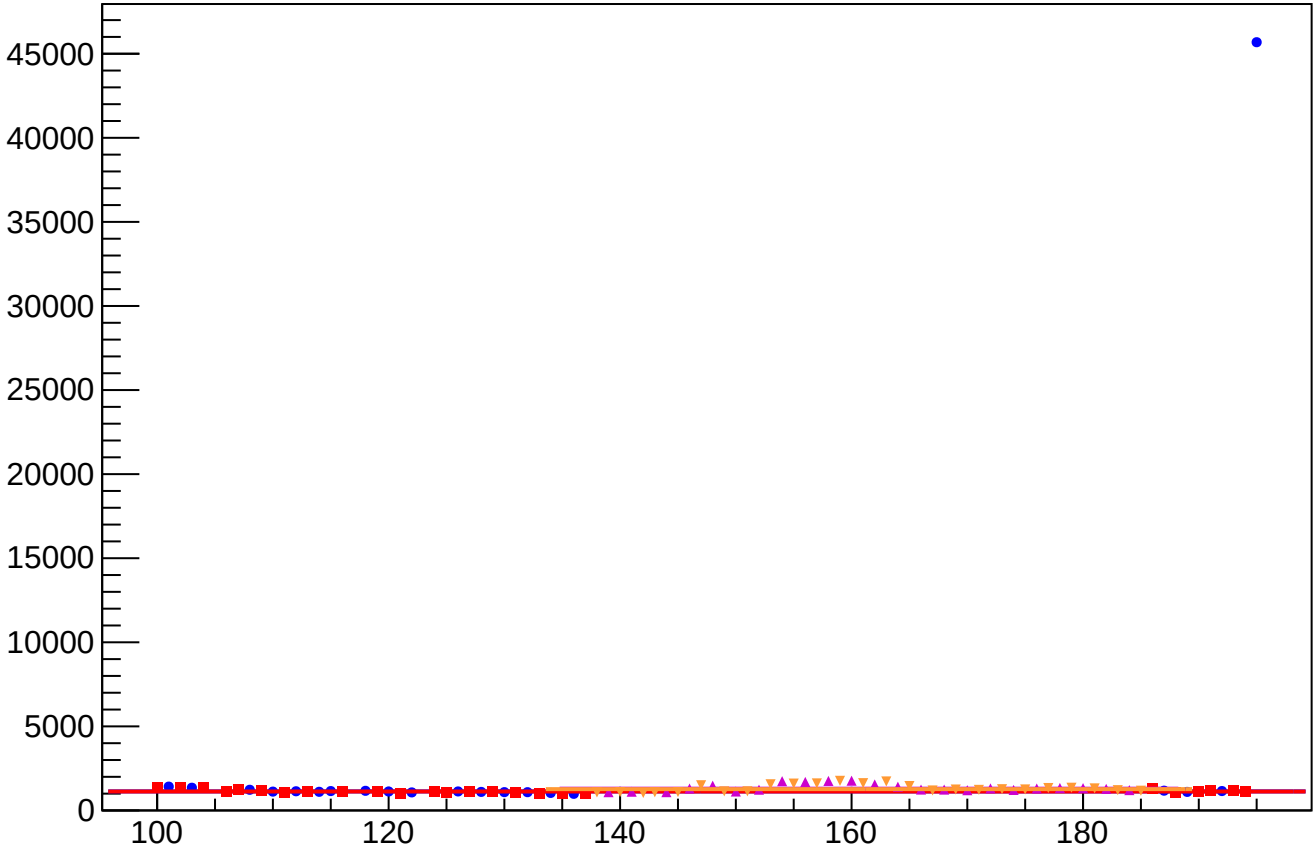
Right: -1.197+/-0.254 χ^2/NDF: 2107.5/44

In: -1.571+/-0.238 χ^2/NDF:621.5/42

Out: 1.668+/-0.223 χ^2/NDF:1499.9/49

All: 0.160+/-0.163 χ^2/NDF: 2220.0/92

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1132.293+/-0.268 χ^2/NDF: 1811230.6/19

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1127.503+/-0.243 χ^2/NDF: 165637.9/24

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

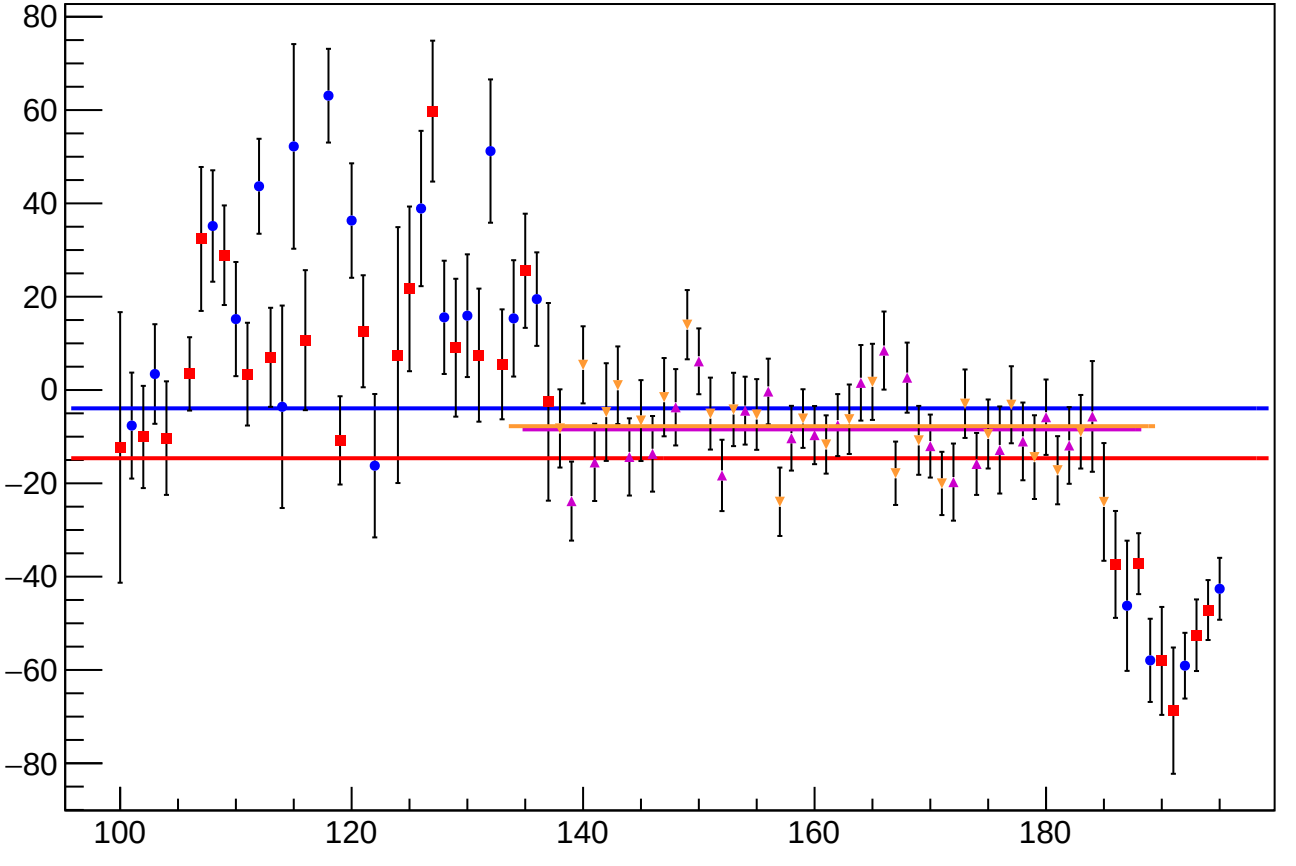
Right: 1129.658+/-0.180 χ^2/NDF: 1977043.8/44

In: 1230.177+/-0.169 χ^2/NDF:2789410.0/42

Out: 1208.561+/-0.157 χ^2/NDF:1236704.6/49

All: 1218.623+/-0.115 χ^2/NDF: 4034899.2/92

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -3.927+/-2.483 χ^2/NDF: 271.4/19

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -14.620+/-2.209 χ^2/NDF: 190.7/24

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

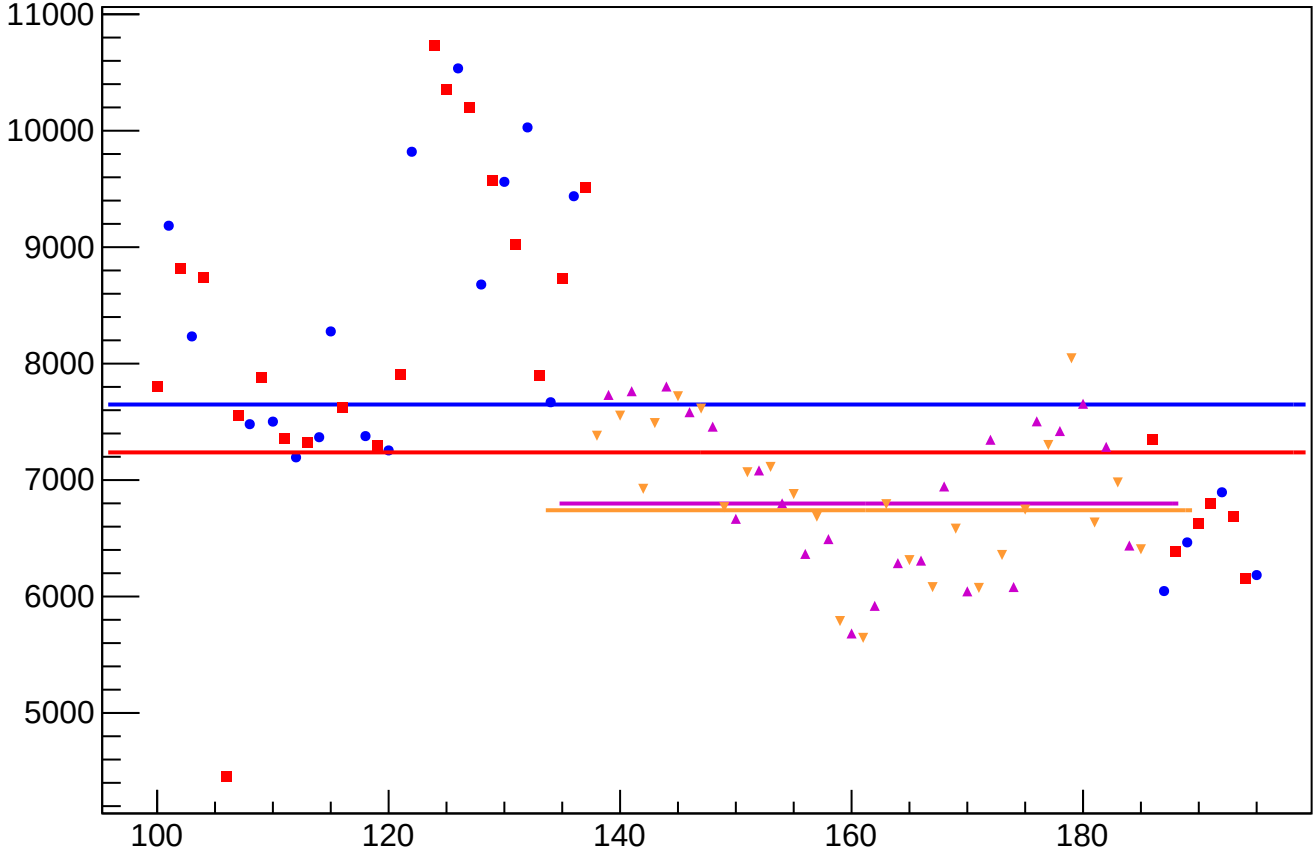
Right: -9.894+/-1.650 χ^2/NDF: 472.5/44

In: -7.109+/-1.348 χ^2/NDF:298.6/42

Out: -10.011+/-1.267 χ^2/NDF:227.6/49

All: -8.649+/-0.923 χ^2/NDF: 528.7/92

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7648.869+/-1.755 χ^2/NDF: 503103.0/19

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7237.600+/-1.562 χ^2/NDF: 760606.9/24

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

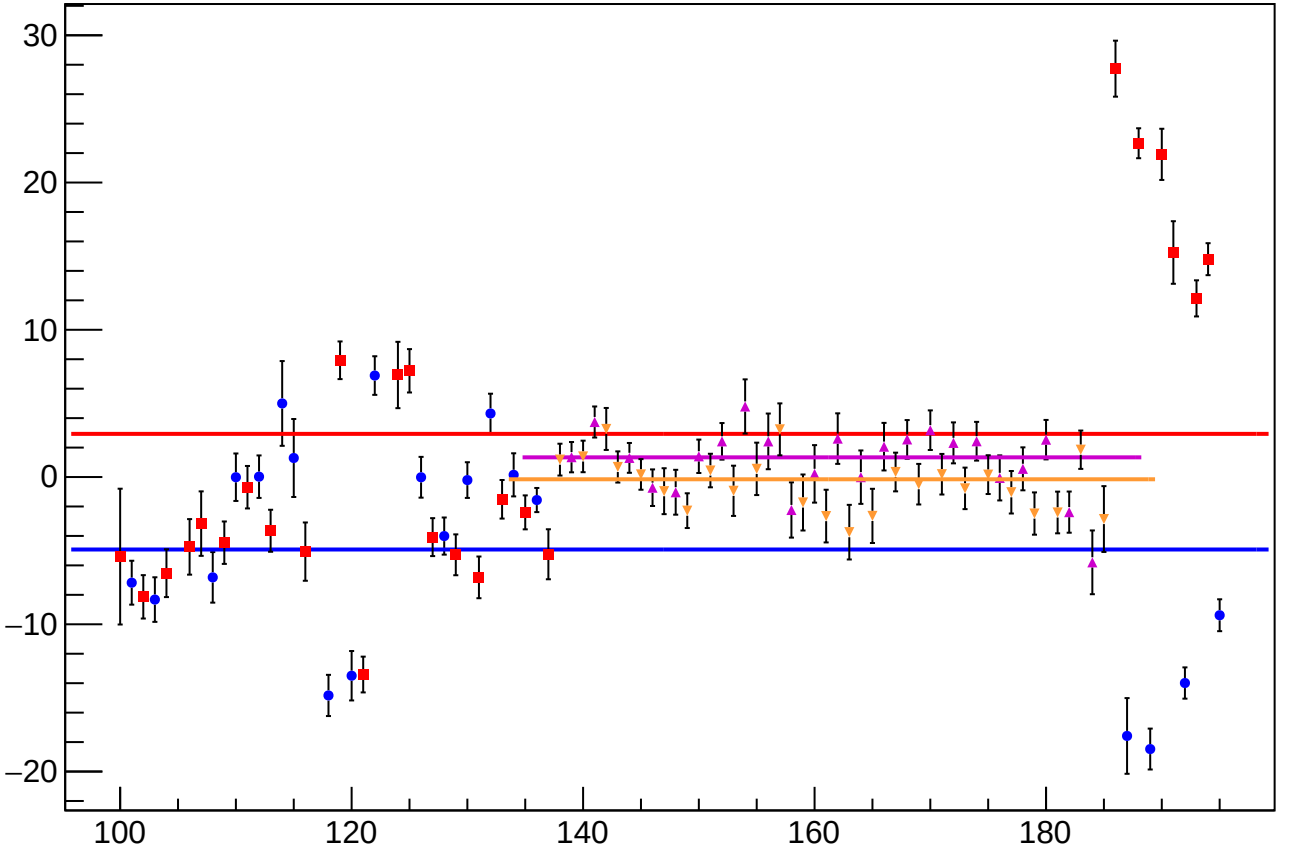
Right: 7419.365+/-1.167 χ^2/NDF: 1294338.3/44

In: 7049.090+/-0.953 χ^2/NDF:1021878.8/42

Out: 6904.206+/-0.896 χ^2/NDF:1145171.7/49

All: 6972.185+/-0.653 χ^2/NDF: 2179320.8/92

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -4.921+/-0.308 χ^2/NDF: 518.1/19

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 2.931+/-0.293 χ^2/NDF: 1439.4/24

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

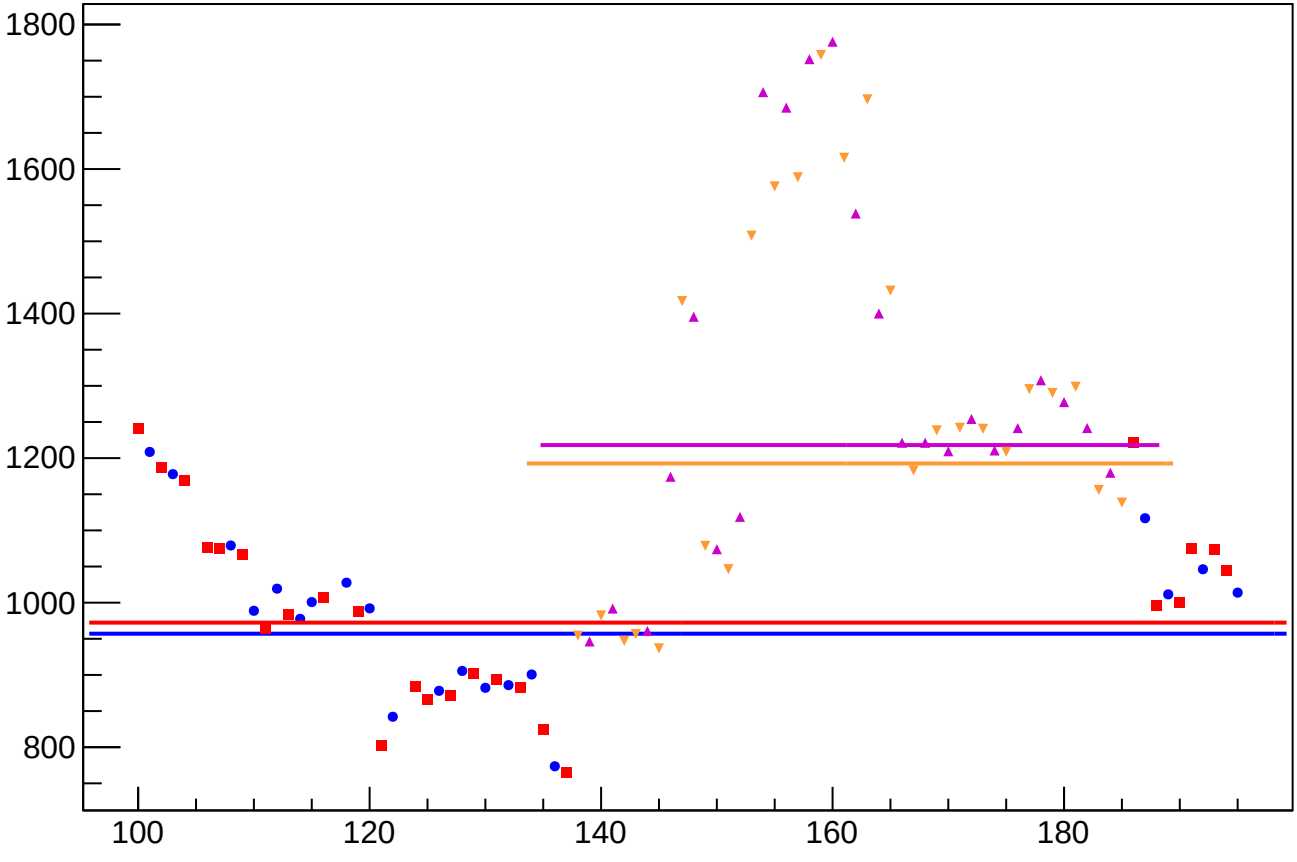
Right: -0.802+/-0.212 χ^2/NDF: 2298.8/44

In: -1.607+/-0.211 χ^2/NDF:781.0/42

Out: 1.301+/-0.201 χ^2/NDF:1534.0/49

All: -0.083+/-0.146 χ^2/NDF: 2414.4/92

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 957.074+/-0.218 χ^2/NDF: 292719.7/19

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 972.400+/-0.207 χ^2/NDF: 311012.8/24

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

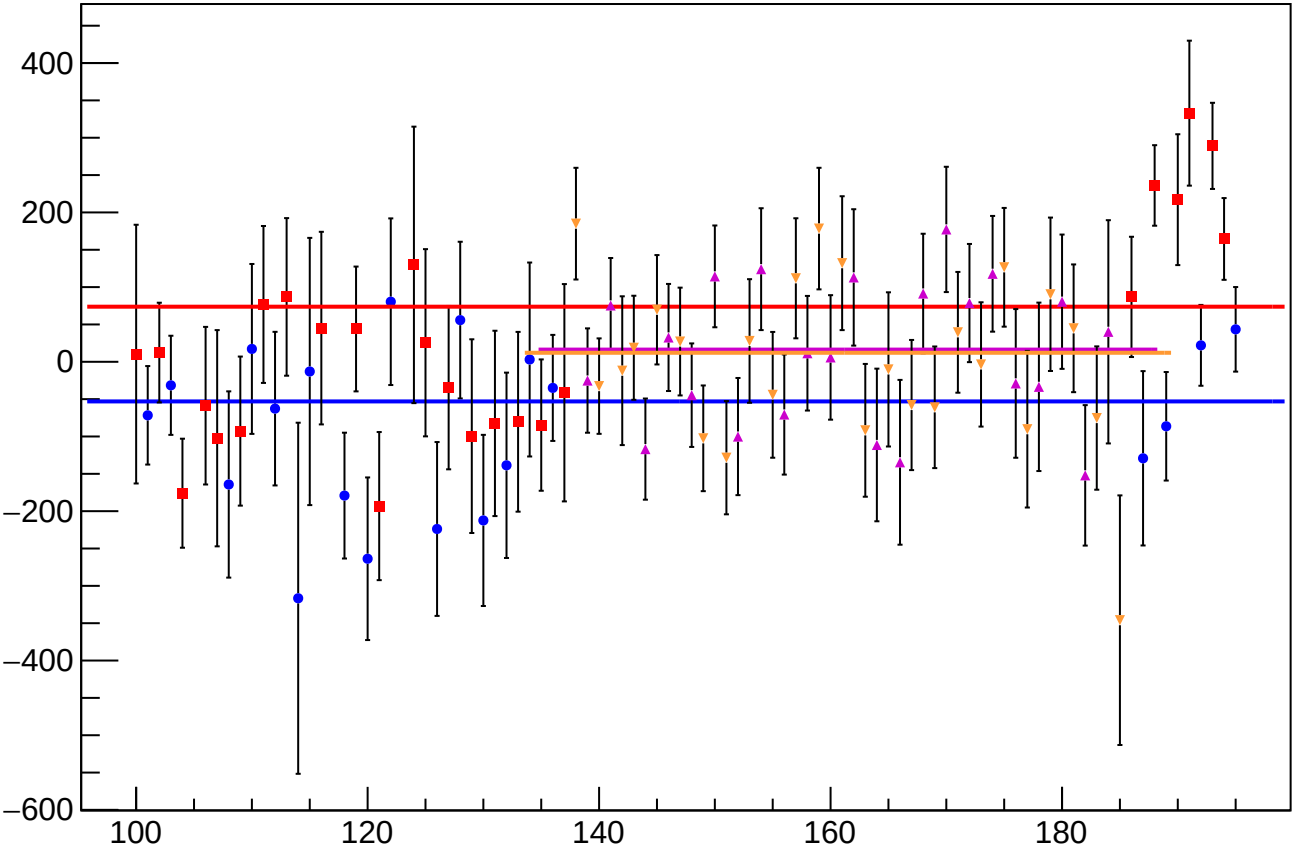
Right: 965.114+/-0.150 χ^2/NDF: 606333.2/44

In: 1095.278+/-0.149 χ^2/NDF:2181833.9/42

Out: 1088.805+/-0.142 χ^2/NDF:2228036.9/49

All: 1091.885+/-0.103 χ^2/NDF: 4410856.1/92

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -53.050+/-19.890 χ^2/NDF: 21.5/19

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 73.787+/-18.005 χ^2/NDF: 71.7/24

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

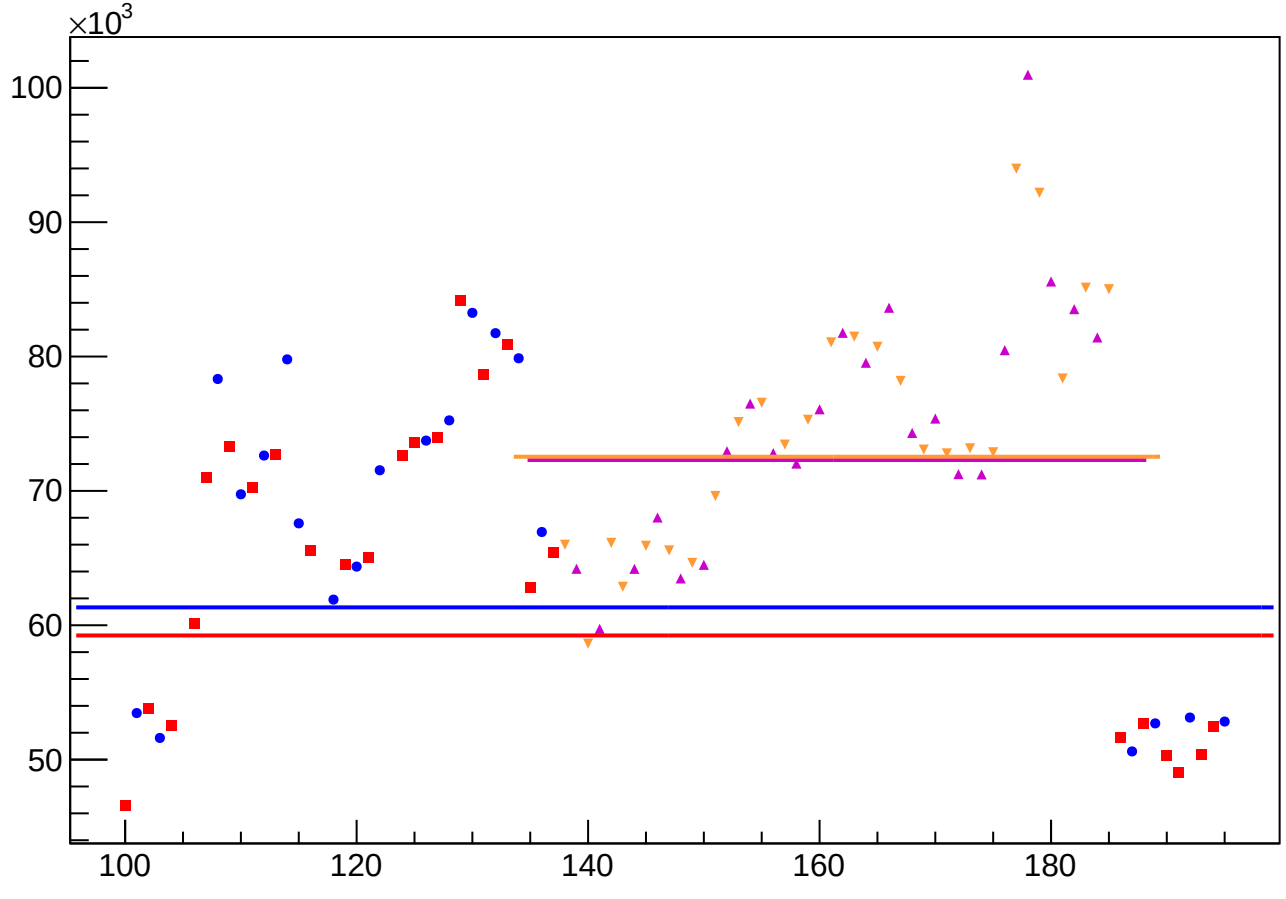
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 16.660+/-13.348 χ^2/NDF: 115.5/44

In: -12.989+/-12.931 χ^2/NDF:57.2/42

Out: 40.447+/-12.208 χ^2/NDF:110.8/49

All: 15.265+/-8.877 χ^2/NDF: 177.0/92



Right In: 61331.154+/-14.064 χ^2/NDF: 551398.8/19

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 59240.161+/-12.732 χ^2/NDF: 603532.2/24

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

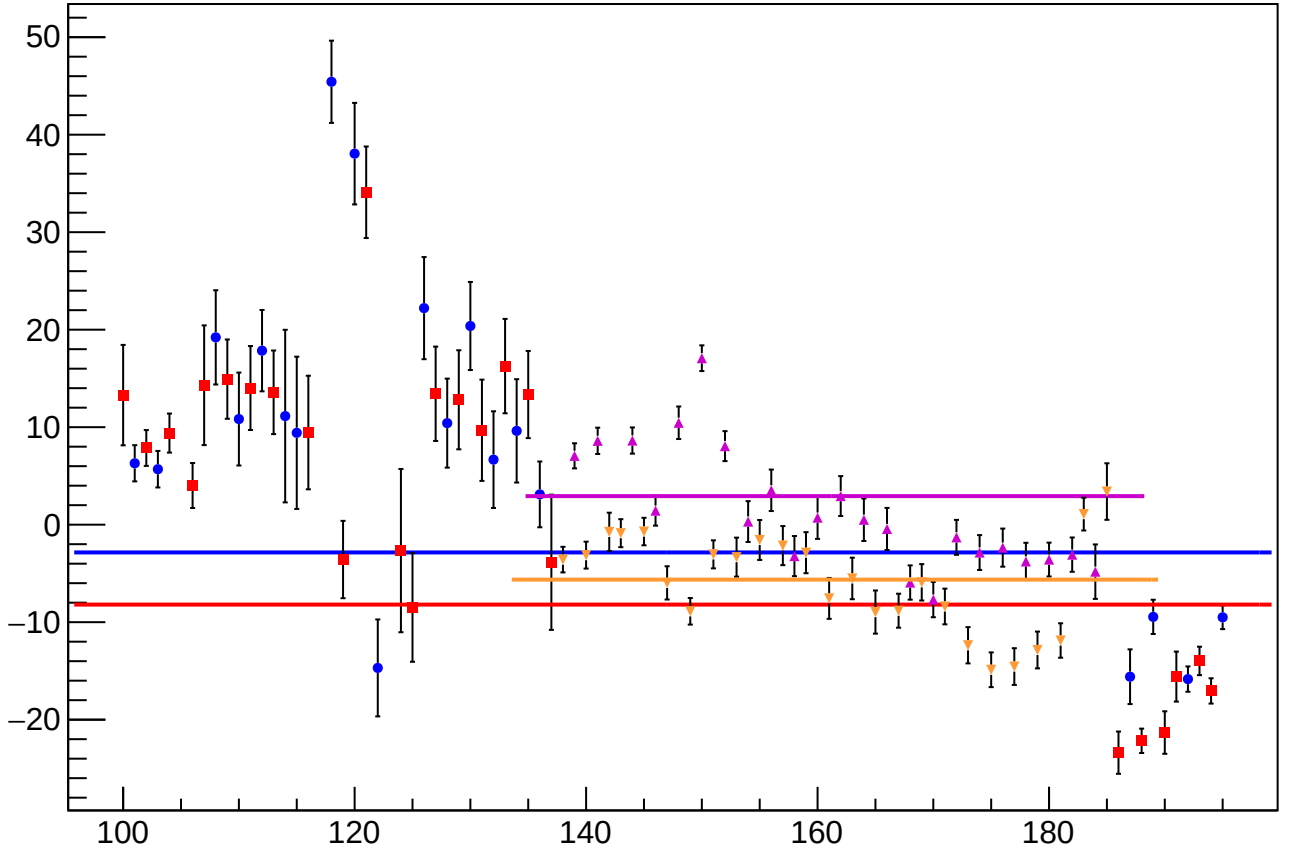
Right: 60181.932+/-9.439 χ^2/NDF: 1167079.9/44

In: 67664.282+/-9.143 χ^2/NDF:1391401.1/42

Out: 66428.409+/-8.632 χ^2/NDF:1693593.7/49

All: 67010.833+/-6.277 χ^2/NDF: 3094654.8/9

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -2.846+/-0.587 χ^2/NDF: 537.2/19

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -8.197+/-0.522 χ^2/NDF: 768.5/24

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

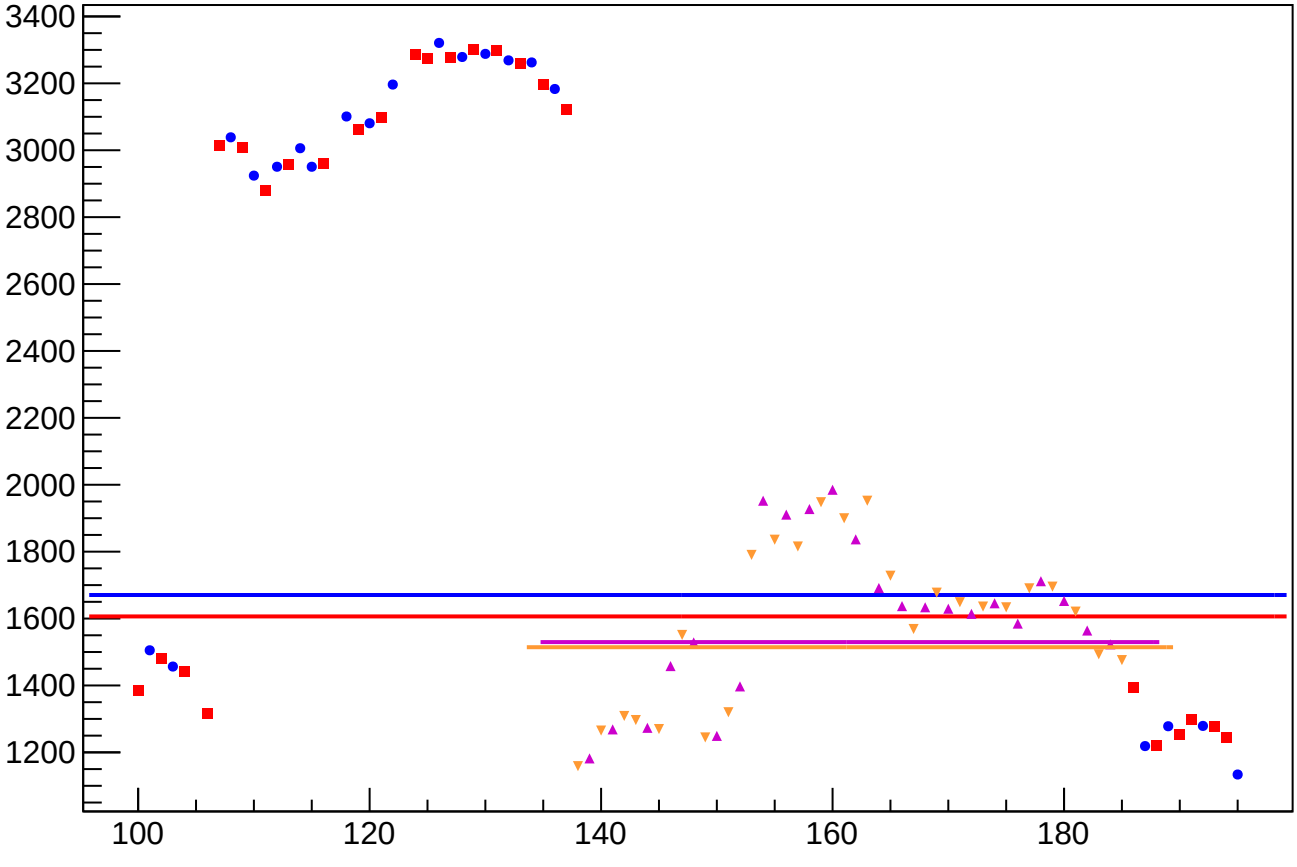
Right: -5.831+/-0.390 χ^2/NDF: 1352.1/44

In: 1.335+/-0.308 χ^2/NDF:944.7/42

Out: -6.426+/-0.290 χ^2/NDF:963.3/49

All: -2.779+/-0.211 χ^2/NDF: 2244.1/92

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1670.439+/-0.415 χ^2/NDF: 3412882.3/19

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1606.376+/-0.369 χ^2/NDF: 3417334.4/24

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

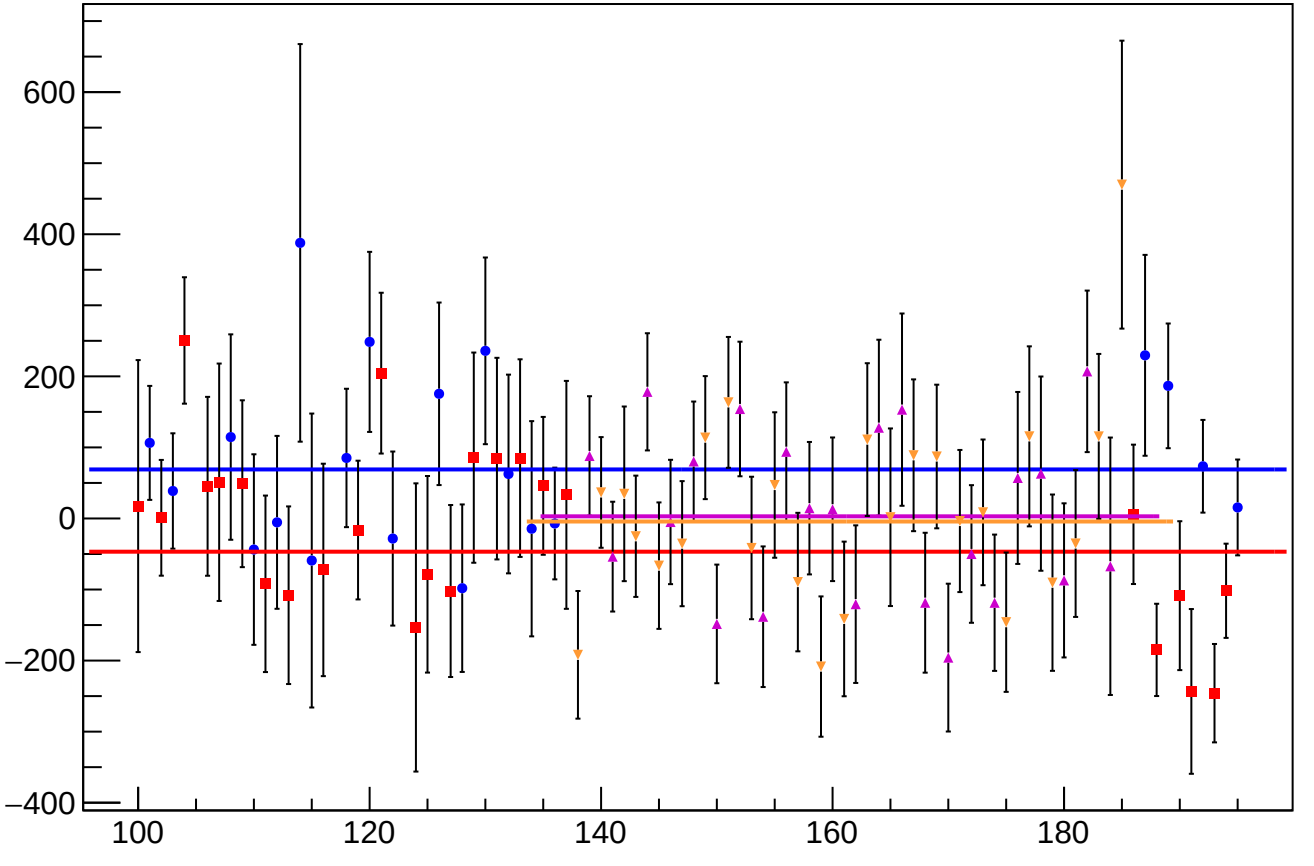
Right: 1634.706+/-0.276 χ^2/NDF: 6843515.7/44

In: 1568.498+/-0.218 χ^2/NDF:4324752.7/42

Out: 1542.738+/-0.205 χ^2/NDF:4393586.8/49

All: 1554.843+/-0.149 χ^2/NDF: 8725743.5/92

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 68.990+/-23.373 χ^2/NDF: 15.2/19

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -46.764+/-21.278 χ^2/NDF: 39.8/24

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

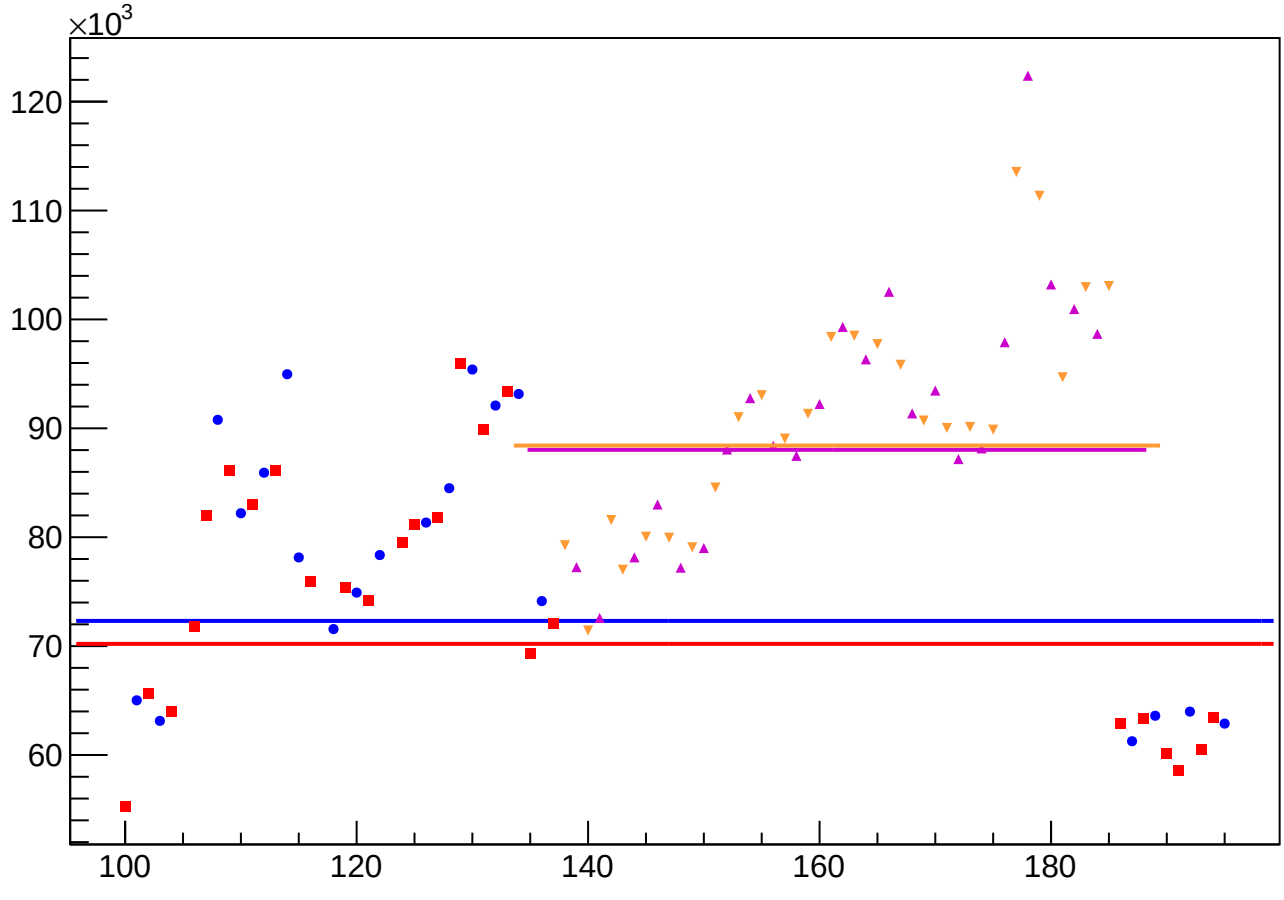
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 5.694+/-15.734 χ^2/NDF: 68.4/44

In: 32.048+/-15.505 χ^2/NDF:50.3/42

Out: -24.458+/-14.665 χ^2/NDF:72.4/49

All: 2.224+/-10.654 χ^2/NDF: 129.7/92



Right In: 72314.367+/-16.527 χ^2/NDF: 406800.4/19

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 70205.040+/-15.046 χ^2/NDF: 460829.1/24

Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

Left: 88225.391+/-10.238 χ^2/NDF: 967137.0/47

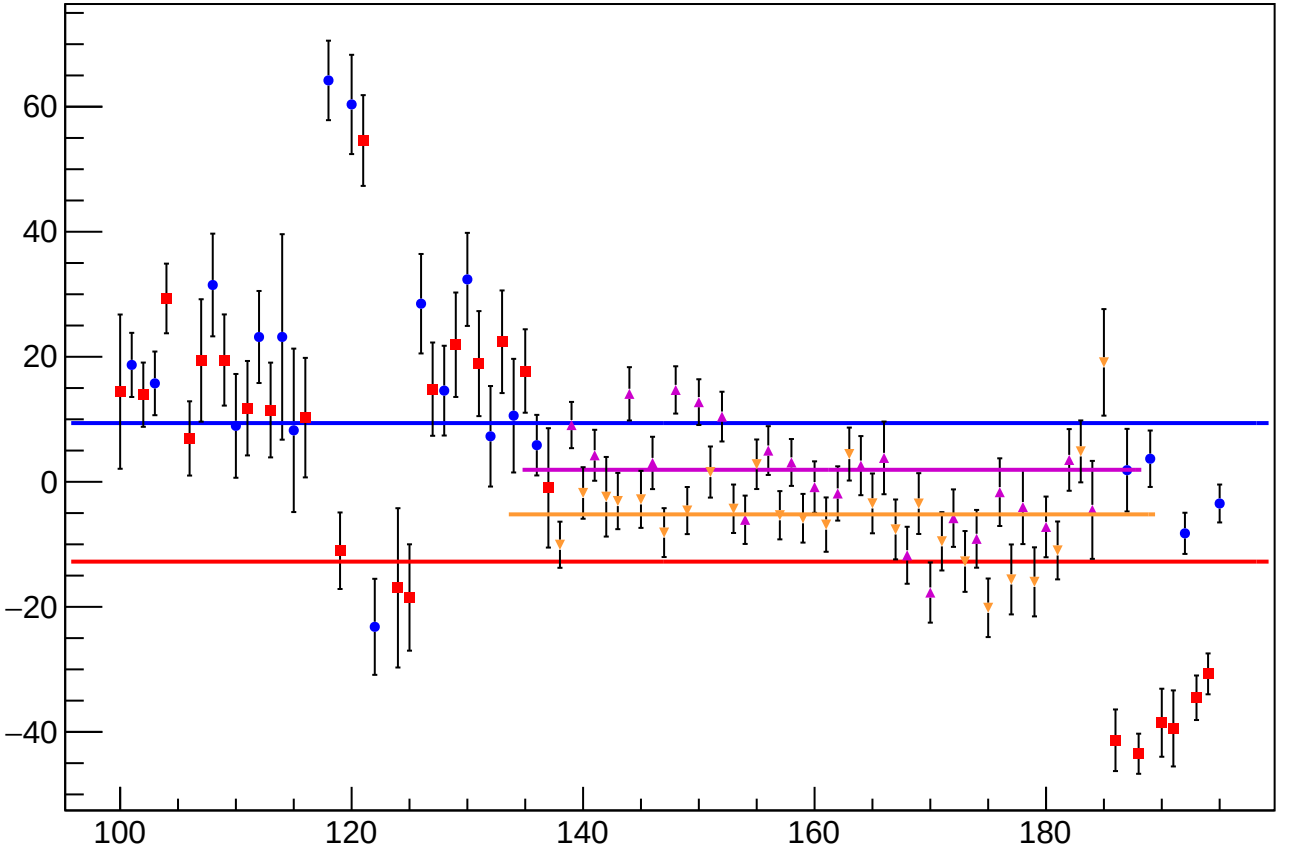
Right: 71160.956+/-11.126 χ^2/NDF: 876536.7/44

In: 81110.728+/-10.963 χ^2/NDF:1397521.5/42

Out: 79766.452+/-10.370 χ^2/NDF:1712055.6/49

All: 80401.209+/-7.534 χ^2/NDF: 3117512.3/9

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 9.396+/-1.304 χ^2/NDF: 215.8/19

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -12.765+/-1.185 χ^2/NDF: 564.2/24

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

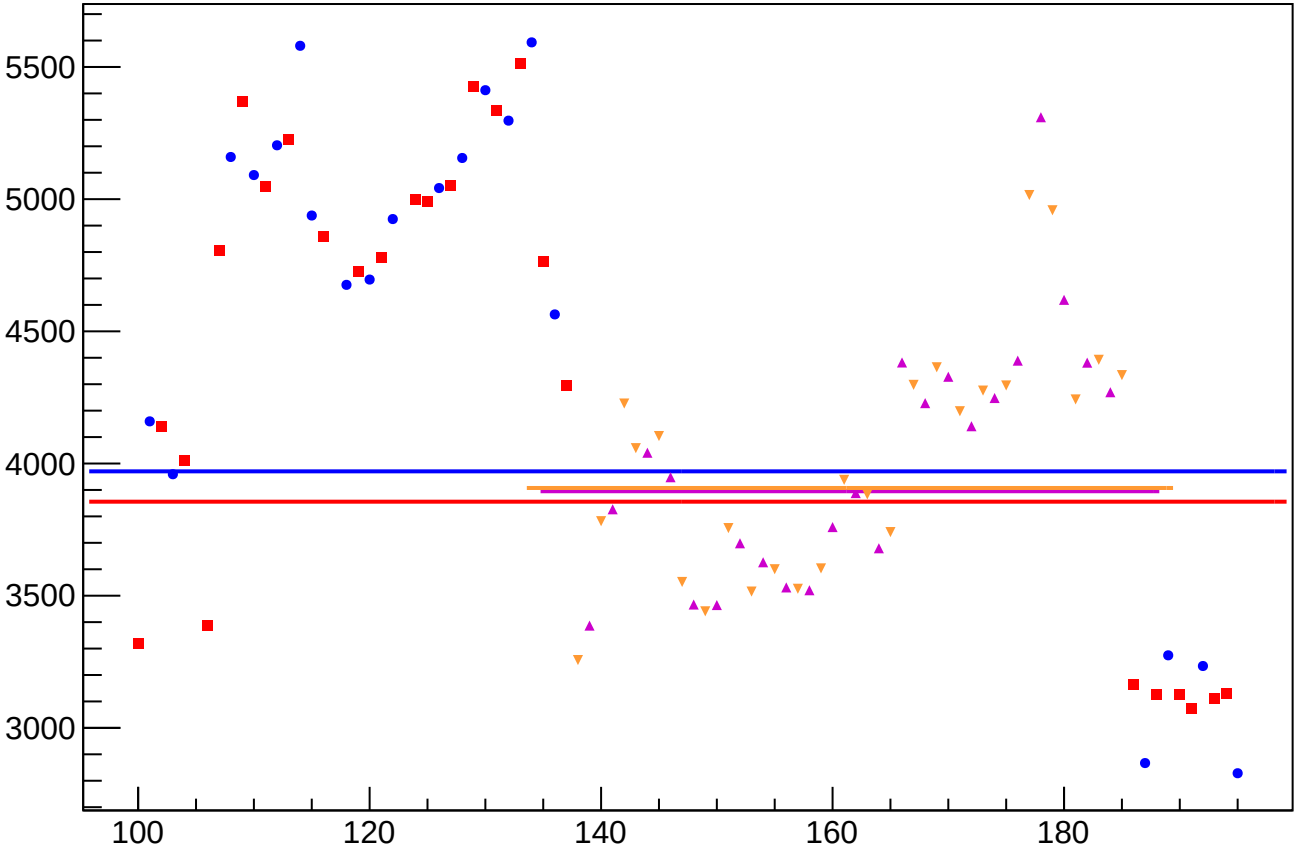
Right: -2.742+/-0.877 χ^2/NDF: 938.2/44

In: 4.393+/-0.750 χ^2/NDF:321.0/42

Out: -7.947+/-0.714 χ^2/NDF:641.1/49

All: -2.081+/-0.517 χ^2/NDF: 1104.3/92

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3970.382+/-0.922 χ^2/NDF: 1040937.6/19

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3855.629+/-0.838 χ^2/NDF: 1095297.2/24

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

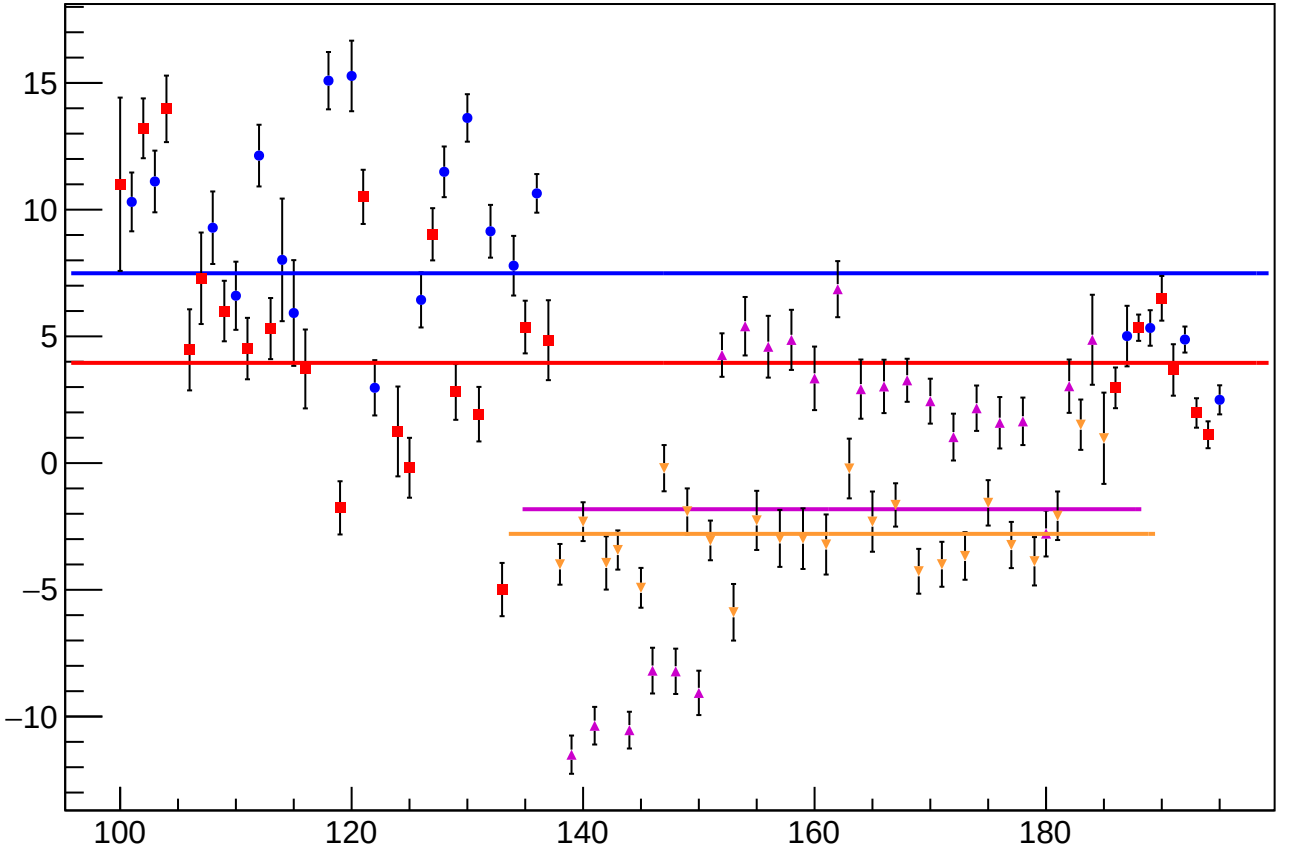
Right: 3907.528+/-0.620 χ^2/NDF: 2144716.4/44

In: 3919.985+/-0.530 χ^2/NDF:1455312.5/42

Out: 3888.668+/-0.505 χ^2/NDF:1538938.7/49

All: 3903.554+/-0.366 χ^2/NDF: 2996082.1/92

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 7.490+/-0.215 χ^2/NDF: 320.4/19

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 3.955+/-0.195 χ^2/NDF: 374.6/24

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

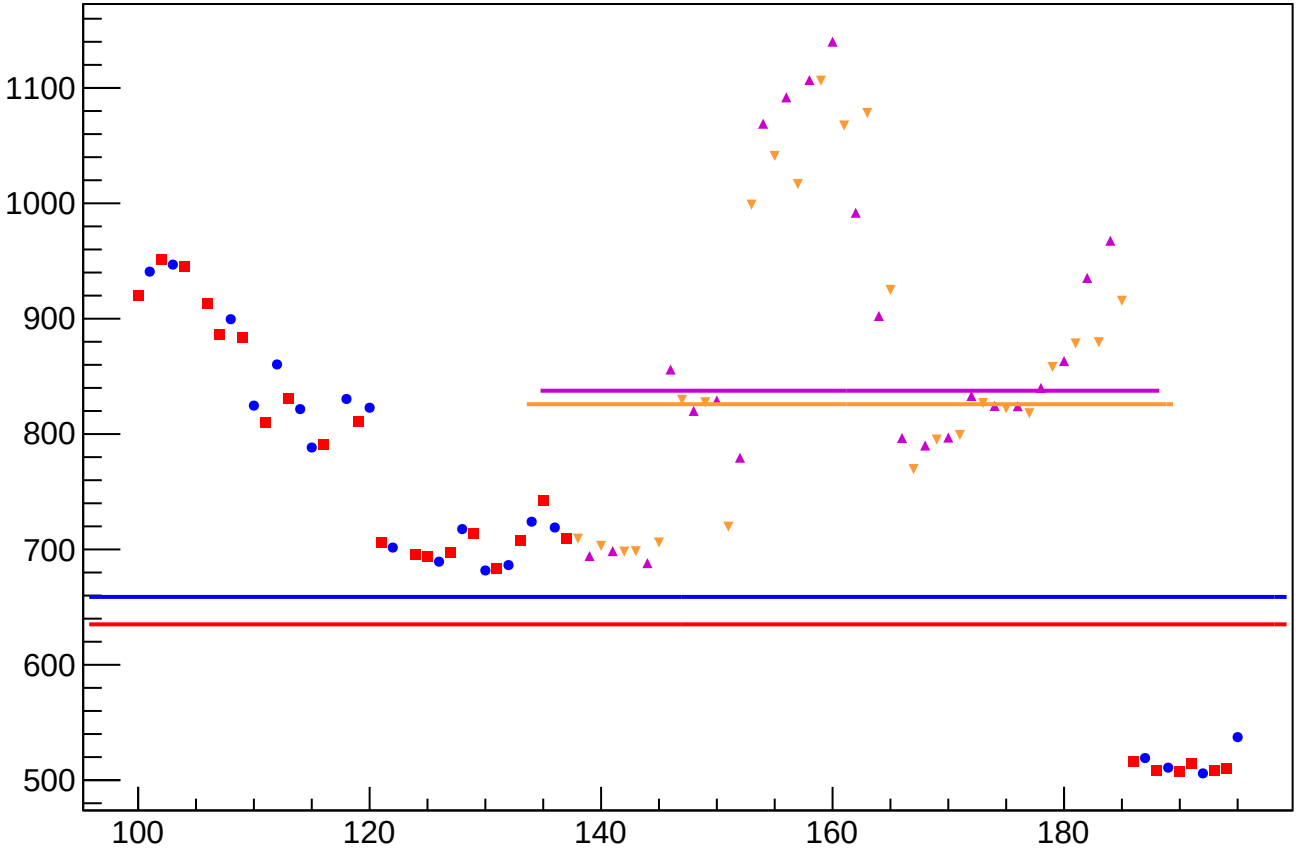
Right: 5.549+/-0.145 χ^2/NDF: 843.2/44

In: 2.452+/-0.146 χ^2/NDF:2359.3/42

Out: 0.494+/-0.136 χ^2/NDF:1056.8/49

All: 1.406+/-0.099 χ^2/NDF: 3512.5/92

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 658.846+/-0.152 χ^2/NDF: 878977.8/19

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 635.076+/-0.138 χ^2/NDF: 1138492.9/24

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

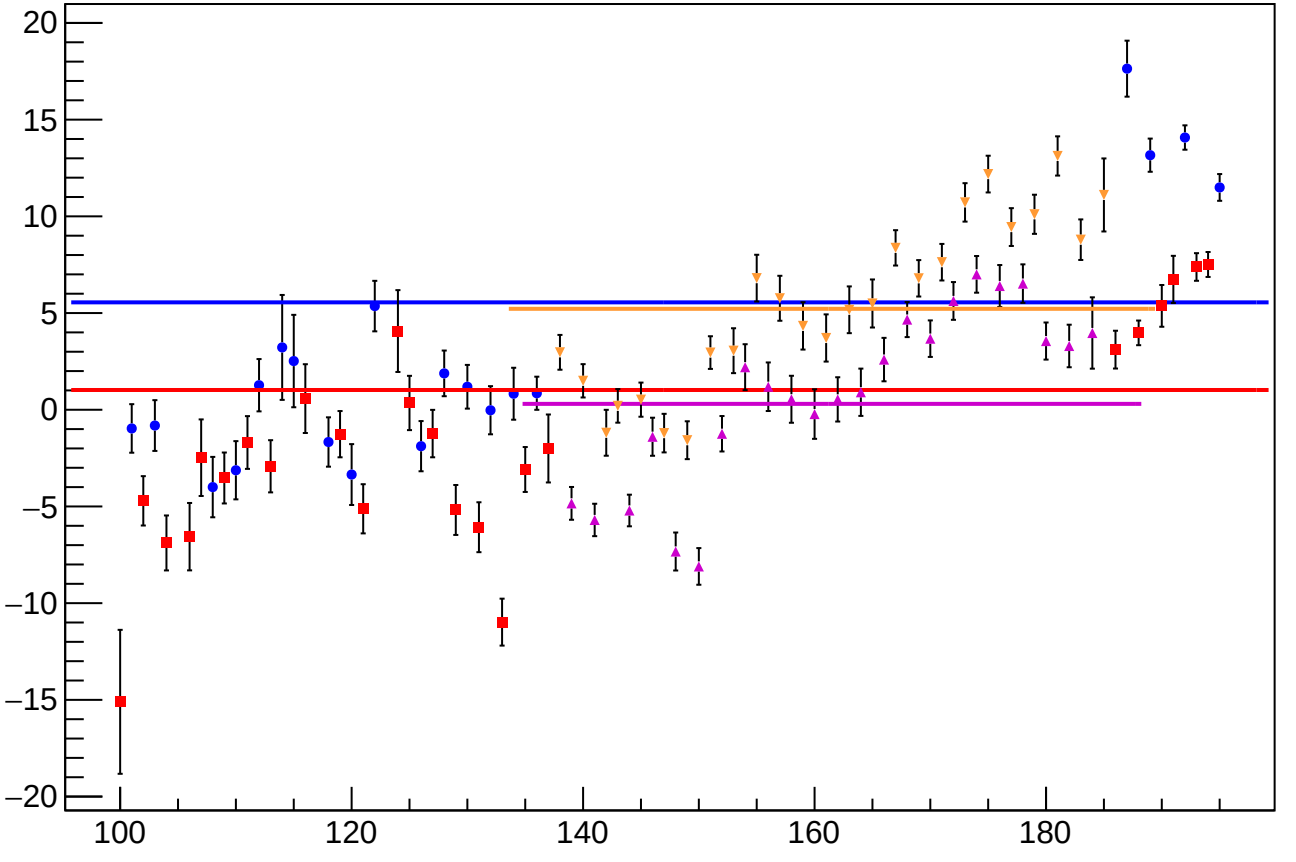
Right: 645.795+/-0.102 χ^2/NDF: 2030867.1/44

In: 755.564+/-0.103 χ^2/NDF:2339562.9/42

Out: 732.938+/-0.096 χ^2/NDF:2885330.8/49

All: 743.477+/-0.070 χ^2/NDF: 5250629.8/92

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 5.553+/-0.253 χ^2/NDF: 723.0/19

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 1.022+/-0.231 χ^2/NDF: 560.7/24

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

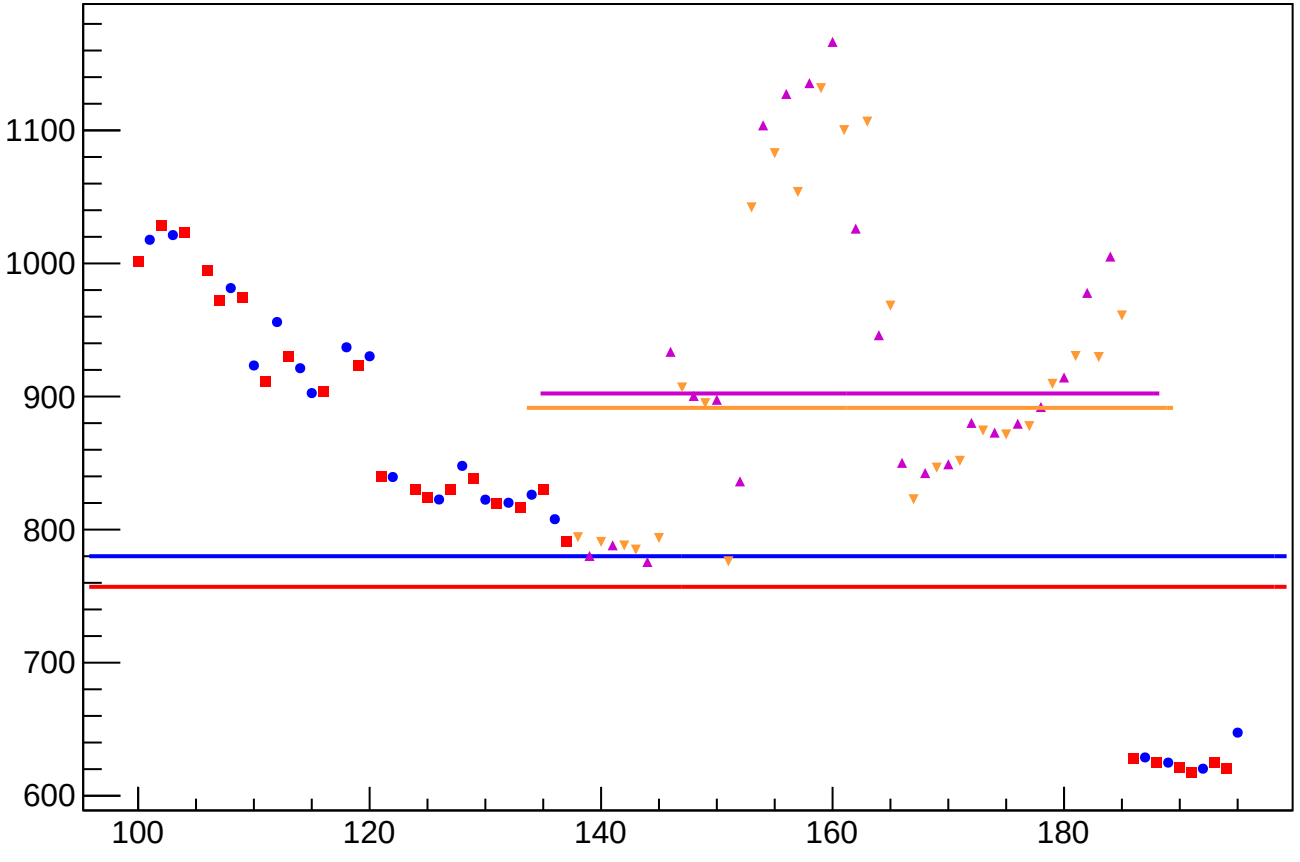
Right: 3.079+/-0.170 χ^2/NDF: 1459.0/44

In: 2.478+/-0.163 χ^2/NDF:1470.5/42

Out: 3.372+/-0.153 χ^2/NDF:1196.2/49

All: 2.953+/-0.111 χ^2/NDF: 2682.8/92

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 780.007+/-0.179 χ^2/NDF: 595401.9/19

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 757.006+/-0.163 χ^2/NDF: 781619.2/24

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

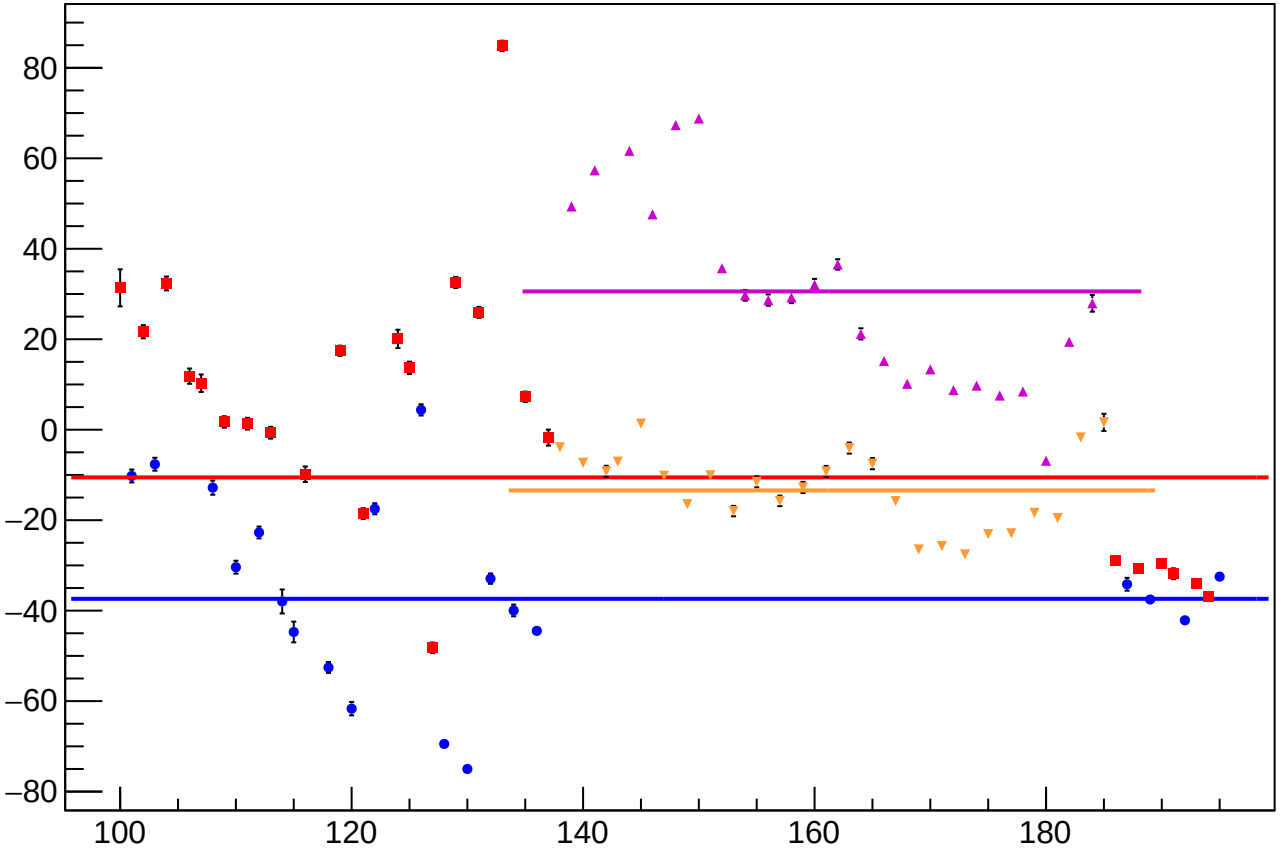
Right: 767.447+/-0.120 χ^2/NDF: 1386055.4/44

In: 851.639+/-0.115 χ^2/NDF:1354258.2/42

Out: 832.320+/-0.108 χ^2/NDF:1680461.8/49

All: 841.379+/-0.079 χ^2/NDF: 3049684.0/92

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.386+/-0.247 χ^2/NDF: 5302.2/19

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -10.541+/-0.224 χ^2/NDF: 18314.0/24

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

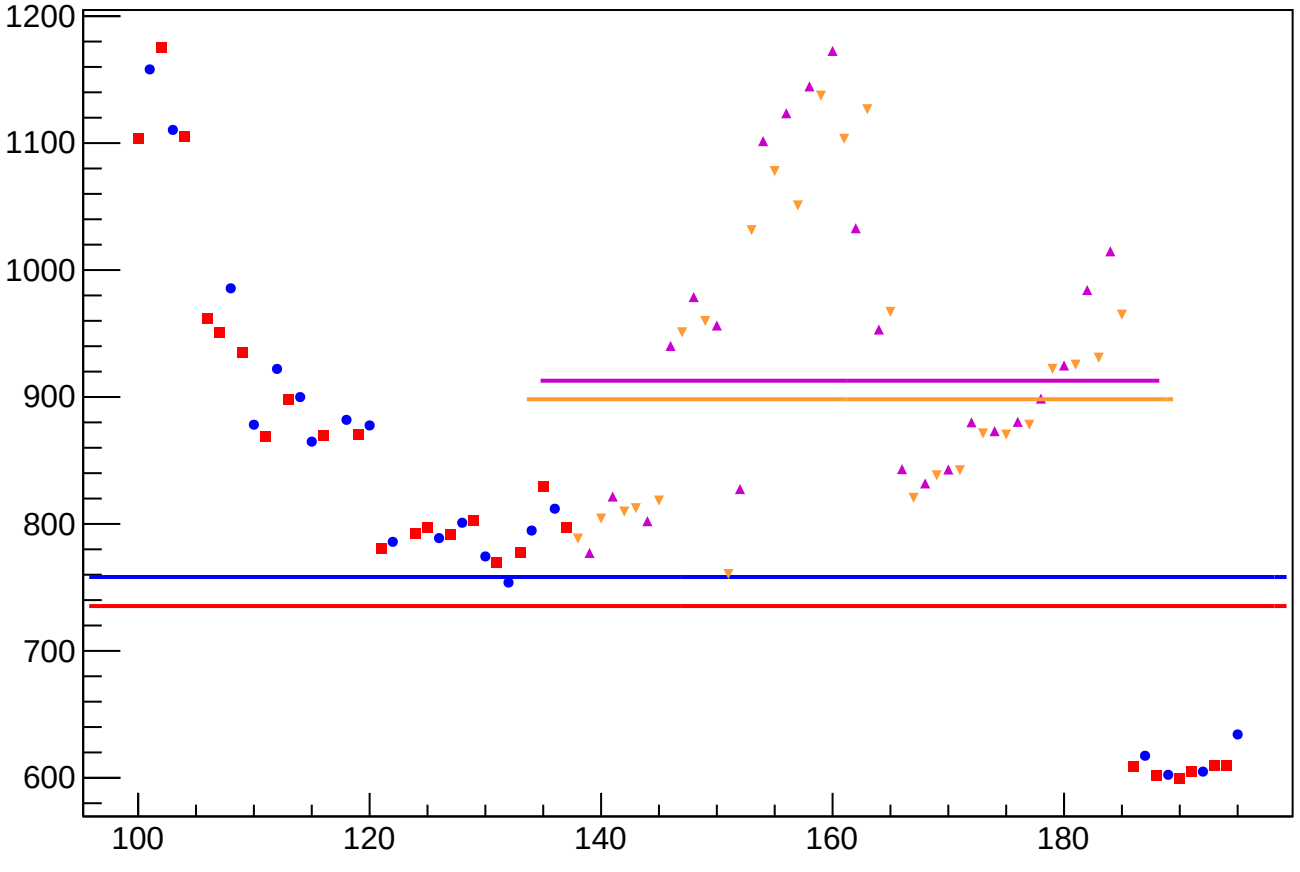
Right: -22.710+/-0.166 χ^2/NDF: 30098.1/44

In: 1.187+/-0.162 χ^2/NDF:58818.0/42

Out: -12.105+/-0.152 χ^2/NDF:20066.7/49

All: -5.896+/-0.111 χ^2/NDF: 82467.2/92

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 758.201+/-0.174 χ^2/NDF: 708021.8/19

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 735.321+/-0.159 χ^2/NDF: 889922.0/24

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

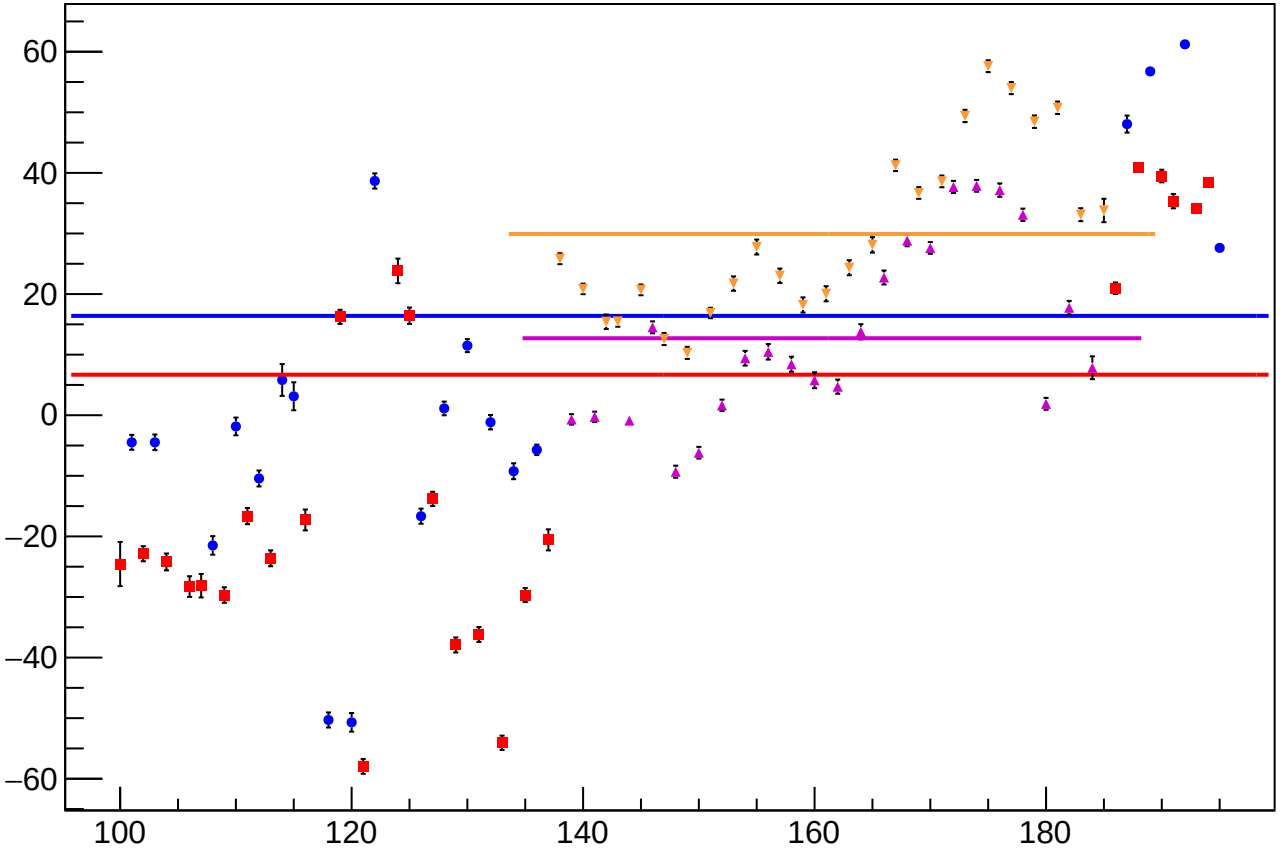
Right: 745.693+/-0.117 χ^2/NDF: 1607360.8/44

In: 845.961+/-0.115 χ^2/NDF:1634563.7/42

Out: 823.778+/-0.107 χ^2/NDF:1980149.7/49

All: 834.139+/-0.078 χ^2/NDF: 3634671.2/92

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 16.398+/-0.245 χ^2/NDF: 17674.4/19

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 6.687+/-0.223 χ^2/NDF: 22496.3/24

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

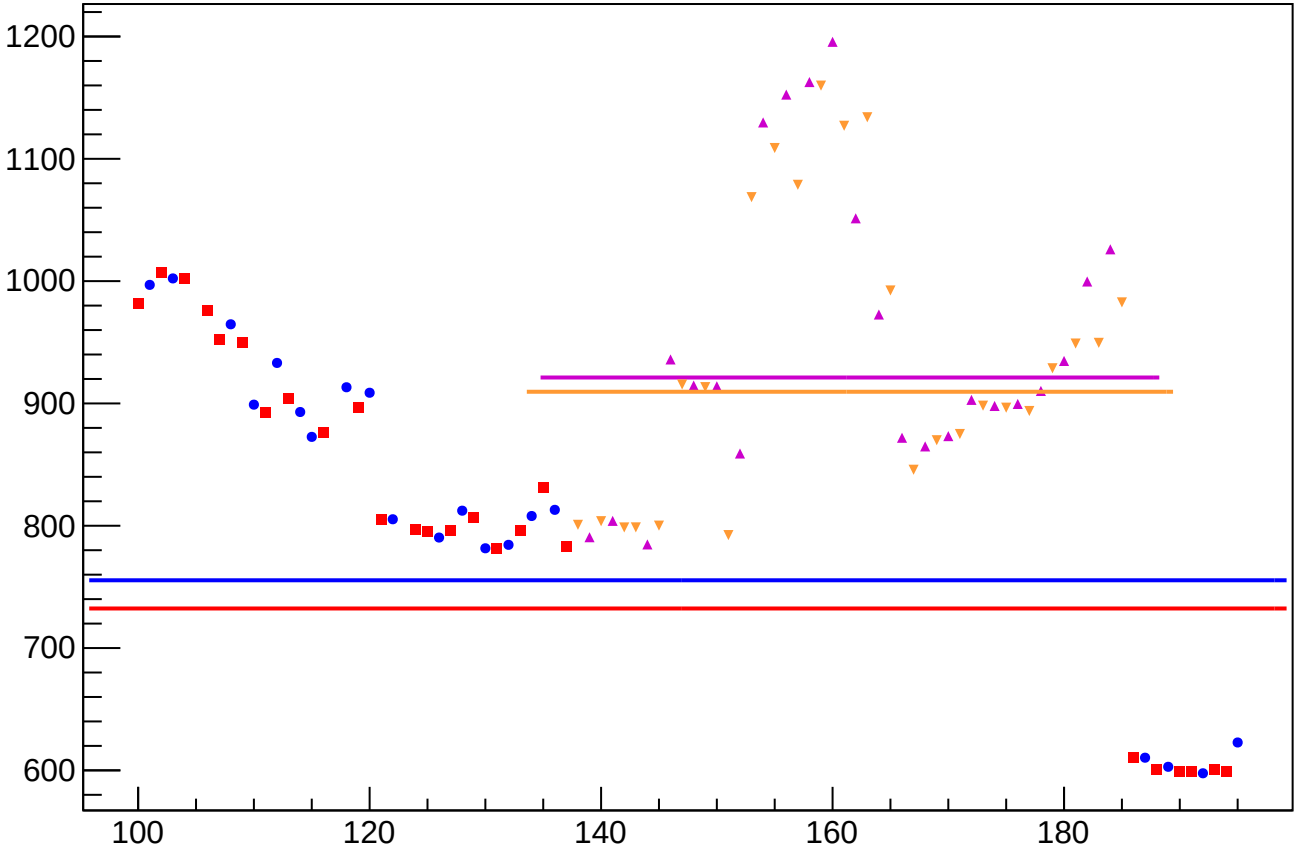
Right: 11.089+/-0.165 χ^2/NDF: 41028.6/44

In: 14.330+/-0.163 χ^2/NDF:22592.6/42

Out: 19.093+/-0.152 χ^2/NDF:32861.3/49

All: 16.865+/-0.111 χ^2/NDF: 55910.8/92

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 755.407+/-0.173 χ^2/NDF: 634583.6/19

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 732.348+/-0.158 χ^2/NDF: 822687.9/24

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

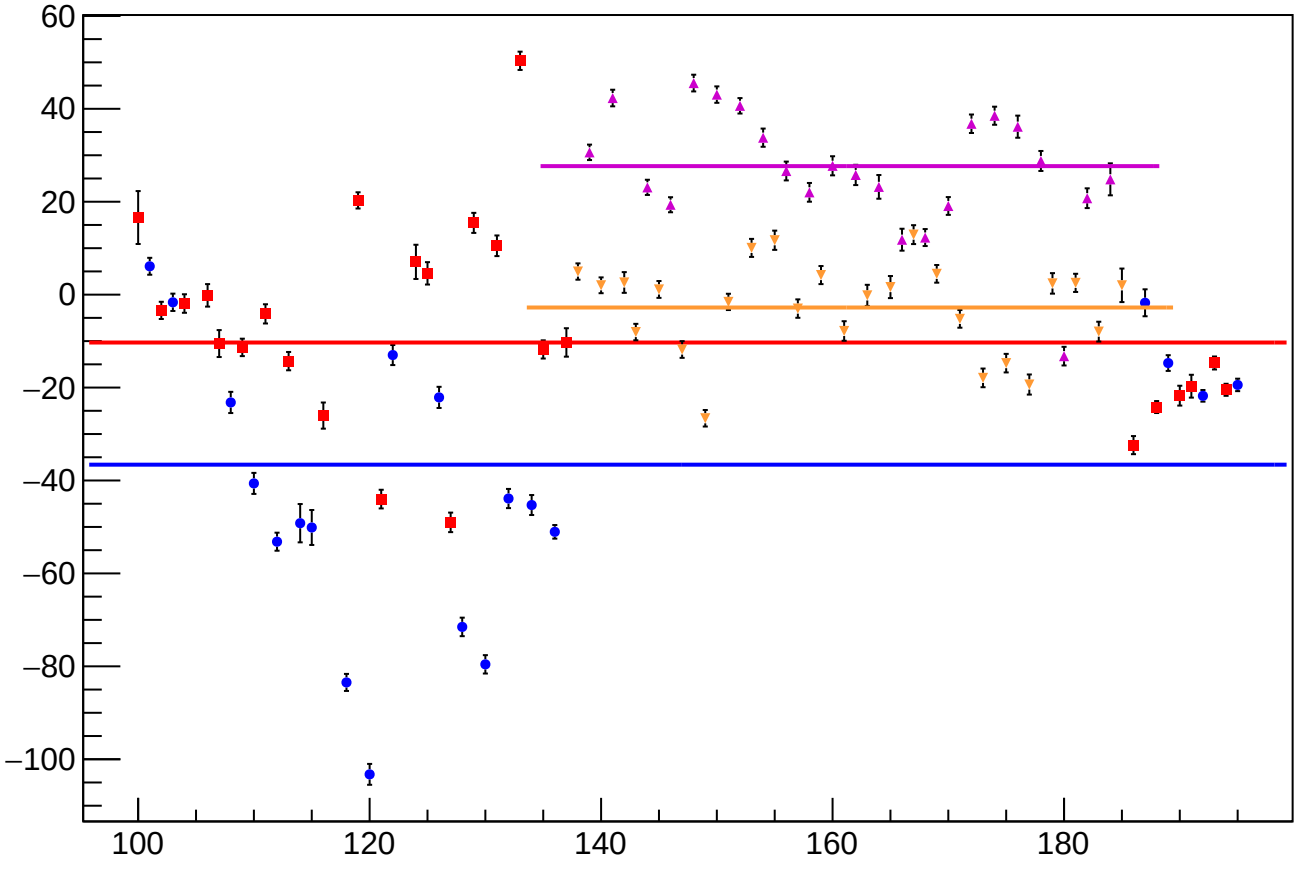
Right: 742.801+/-0.117 χ^2/NDF: 1466945.7/44

In: 848.311+/-0.115 χ^2/NDF:1644562.1/42

Out: 826.963+/-0.108 χ^2/NDF:2037333.2/49

All: 836.950+/-0.079 χ^2/NDF: 3700256.8/92

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -36.595+/-0.432 χ^2/NDF: 4247.8/19

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -10.304+/-0.401 χ^2/NDF: 2644.9/24

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

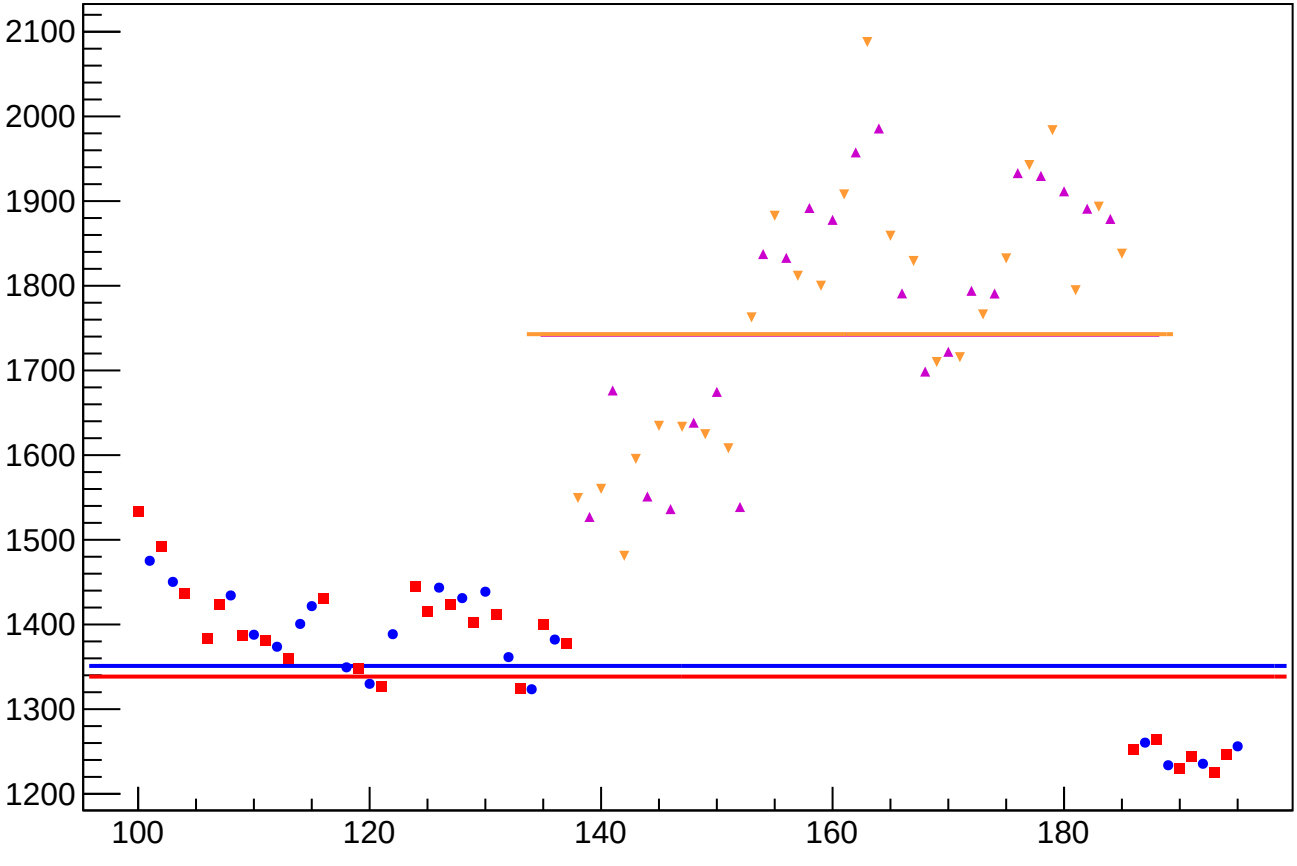
Right: -22.478+/-0.294 χ^2/NDF: 8882.0/44

In: -2.693+/-0.297 χ^2/NDF:16913.8/42

Out: -6.501+/-0.282 χ^2/NDF:3439.2/49

All: -4.693+/-0.205 χ^2/NDF: 20439.4/92

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1351.060+/-0.305 χ^2/NDF: 70535.6/19

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1338.467+/-0.284 χ^2/NDF: 83482.6/24

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

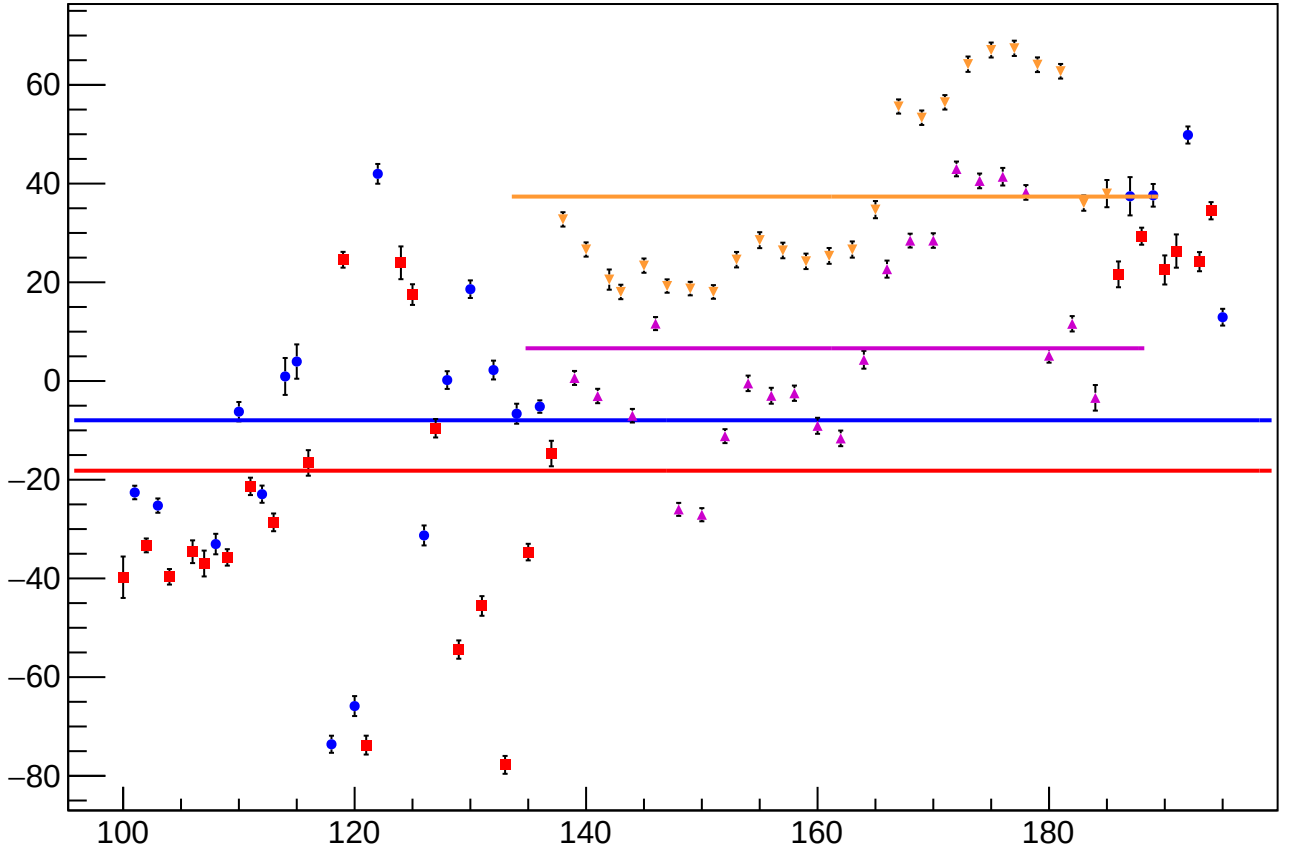
Right: 1344.298+/-0.208 χ^2/NDF: 154931.1/44

In: 1557.401+/-0.210 χ^2/NDF:1197178.4/42

Out: 1542.523+/-0.200 χ^2/NDF:1372392.1/49

All: 1549.588+/-0.145 χ^2/NDF: 2572208.3/92

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -7.958+/-0.417 χ^2/NDF: 5578.8/19

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -18.172+/-0.397 χ^2/NDF: 7106.4/24

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

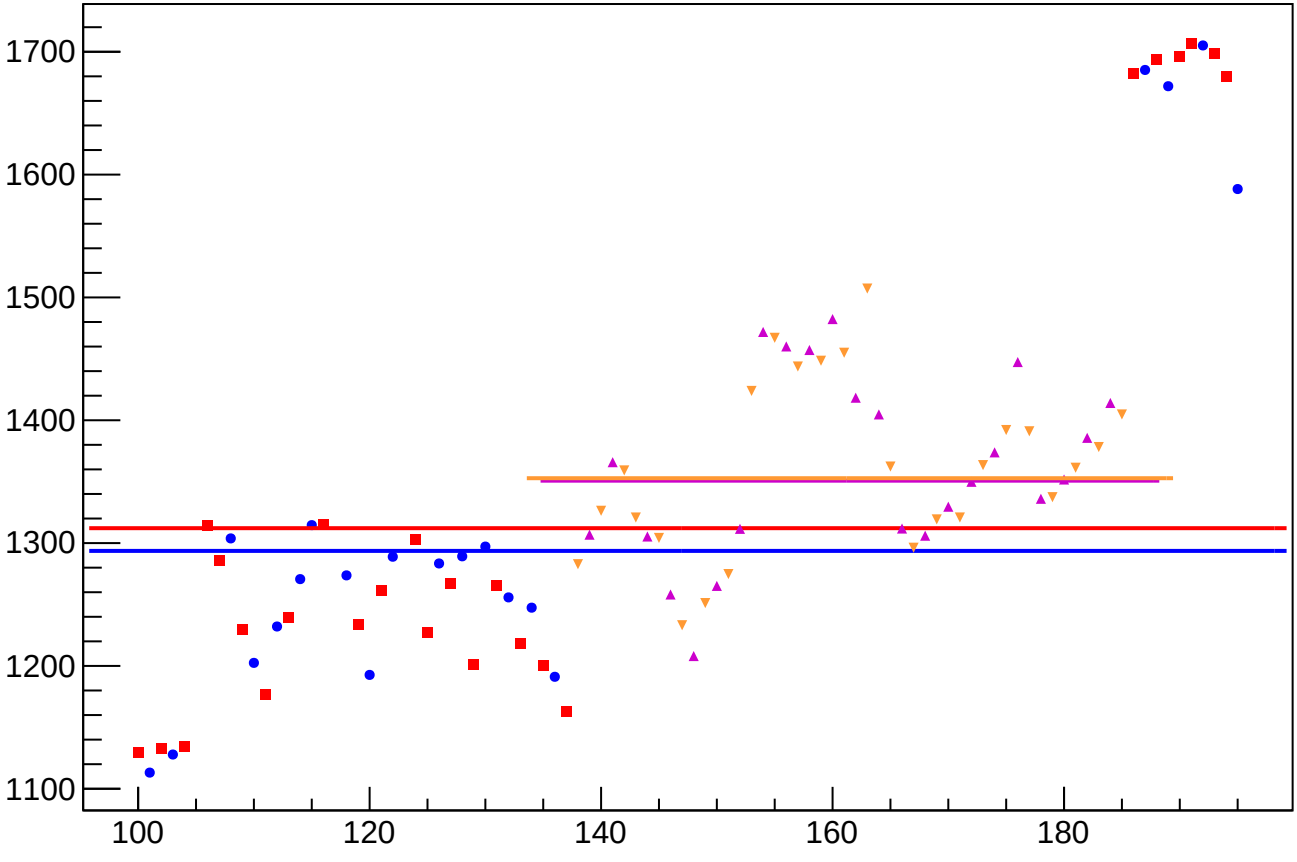
Right: -13.310+/-0.287 χ^2/NDF: 13000.2/44

In: 1.301+/-0.252 χ^2/NDF:10767.5/42

Out: 16.515+/-0.243 χ^2/NDF:22722.4/49

All: 9.169+/-0.175 χ^2/NDF: 35377.9/92

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1293.644+/-0.295 χ^2/NDF: 336133.8/19

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1312.139+/-0.281 χ^2/NDF: 488848.0/24

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

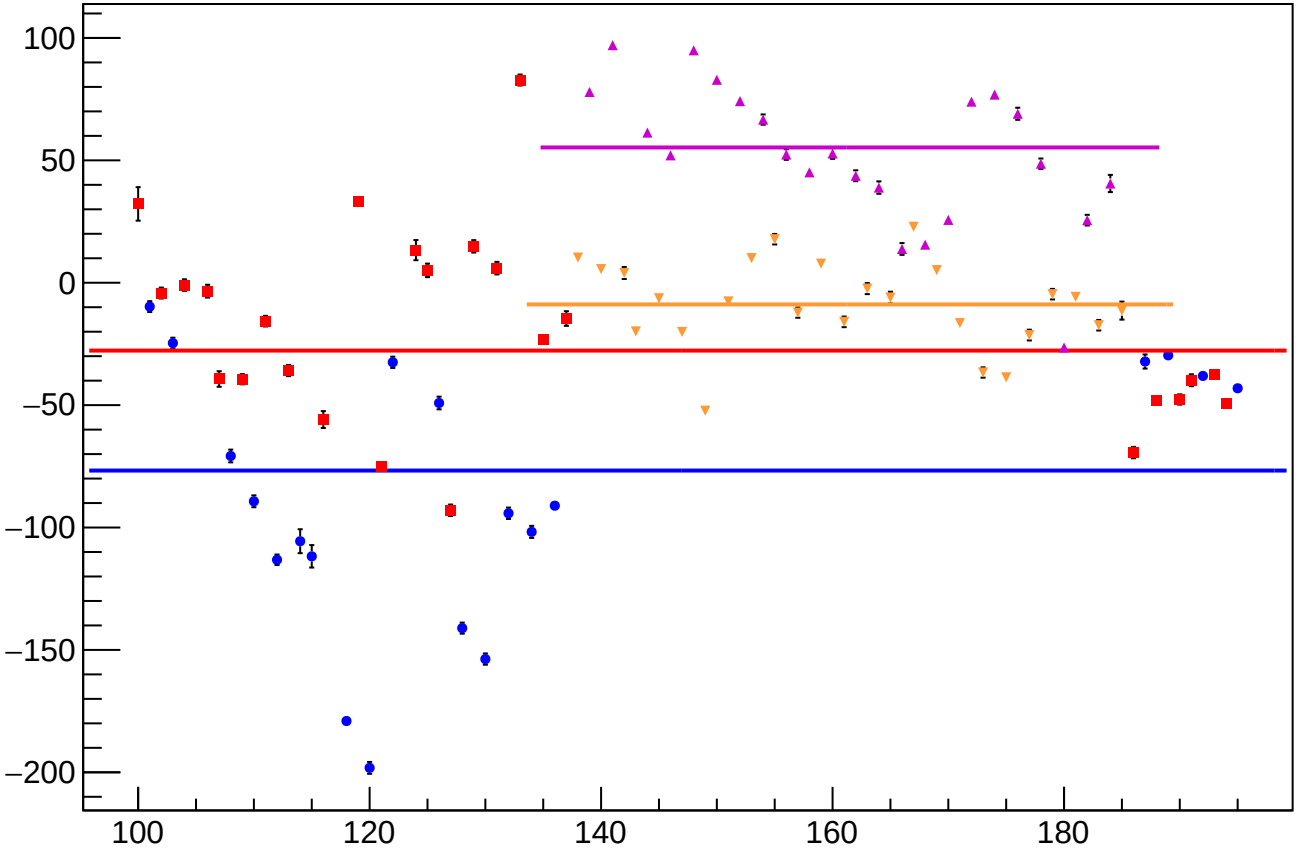
Right: 1303.335+/-0.203 χ^2/NDF: 827047.4/44

In: 1329.936+/-0.178 χ^2/NDF:468671.0/42

Out: 1337.546+/-0.172 χ^2/NDF:606805.3/49

All: 1333.872+/-0.124 χ^2/NDF: 1076420.8/92

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -76.725+/-0.470 χ^2/NDF: 12068.0/19

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -27.709+/-0.432 χ^2/NDF: 6948.3/24

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

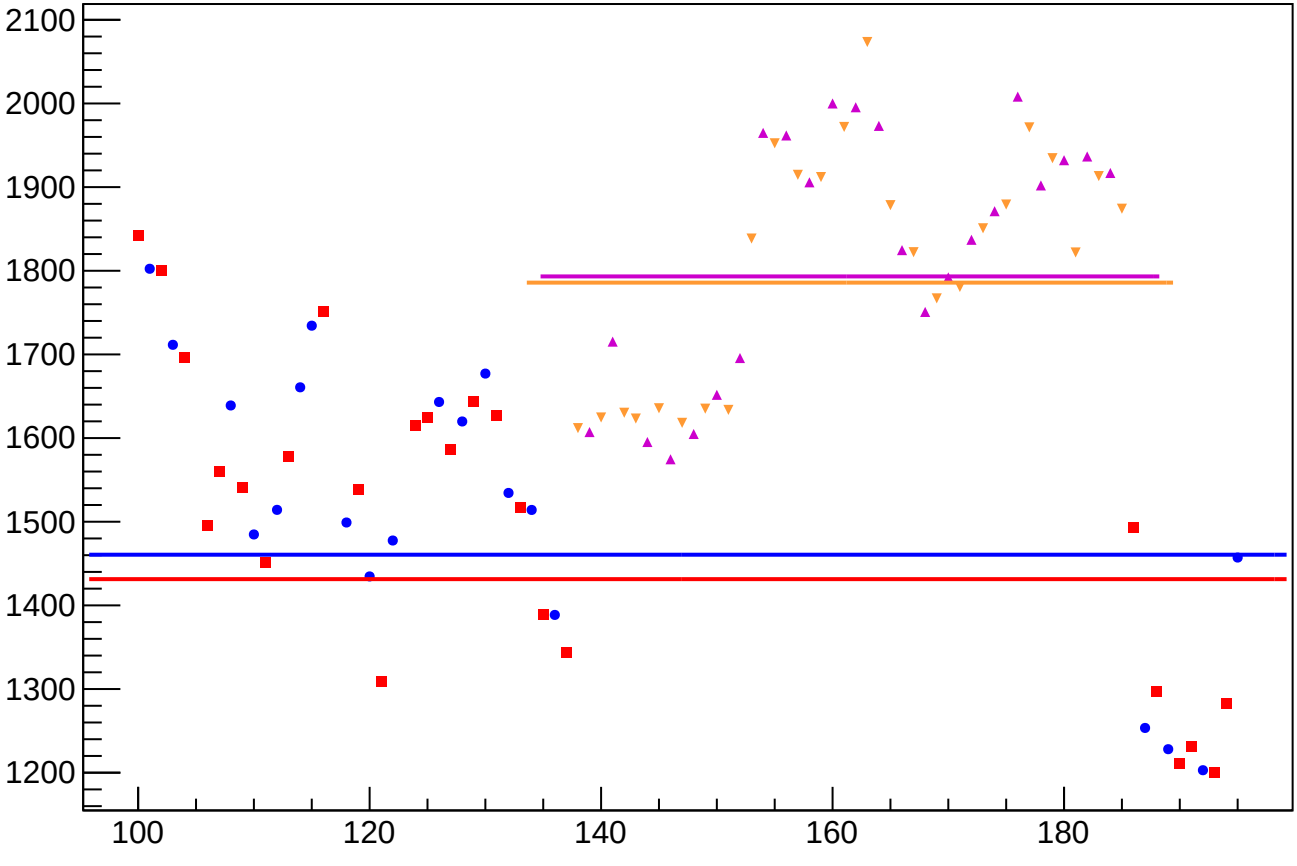
Right: -50.153+/-0.318 χ^2/NDF: 24922.8/44

In: -3.469+/-0.313 χ^2/NDF:60652.7/42

Out: -17.736+/-0.296 χ^2/NDF:9910.8/49

All: -11.002+/-0.215 χ^2/NDF: 71658.8/92

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1460.574+/-0.332 χ^2/NDF: 278362.7/19

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1431.371+/-0.305 χ^2/NDF: 329579.6/24

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

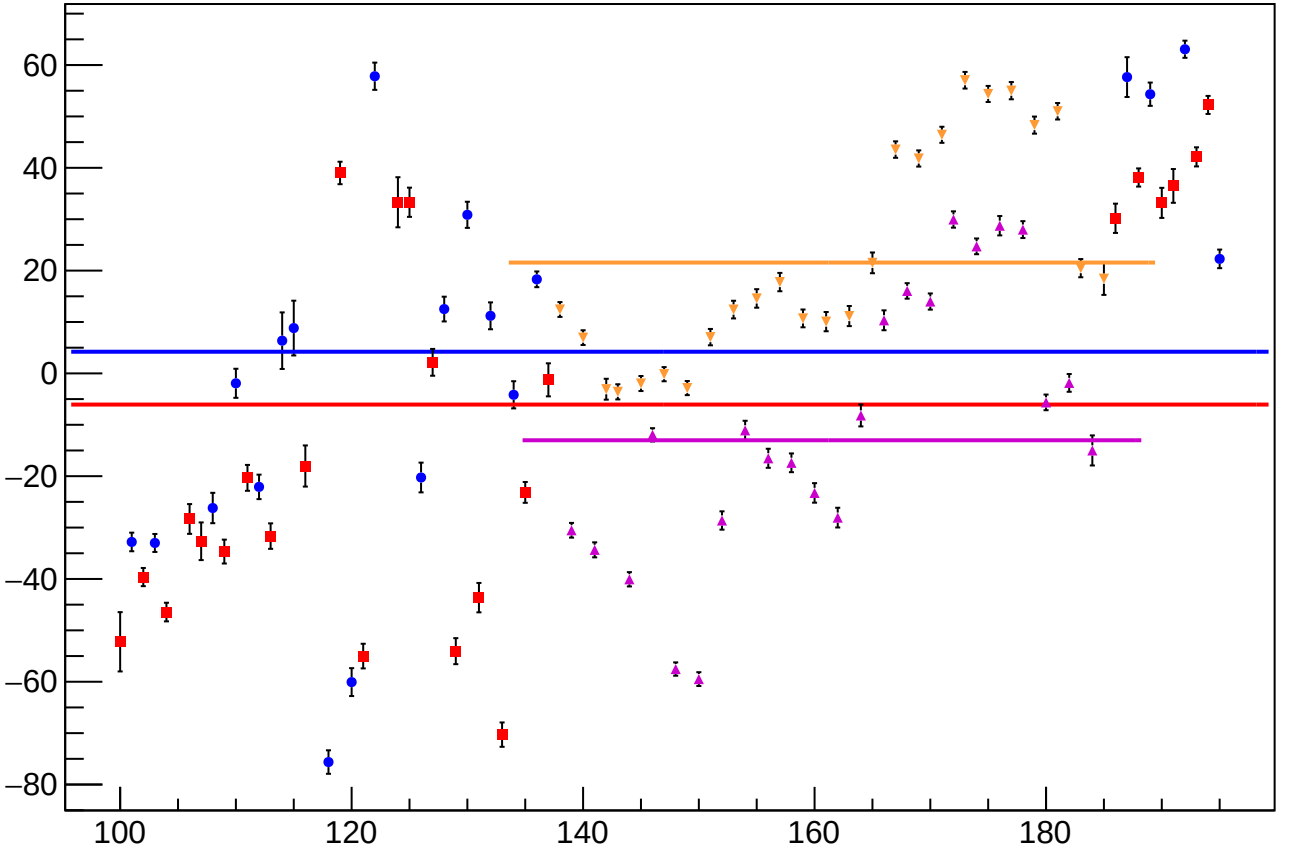
Right: 1444.743+/-0.225 χ^2/NDF: 612135.4/44

In: 1645.210+/-0.222 χ^2/NDF:1088257.0/42

Out: 1618.905+/-0.209 χ^2/NDF:1280611.5/49

All: 1631.321+/-0.152 χ^2/NDF: 2376315.2/92

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 4.214+/-0.522 χ^2/NDF: 5615.1/19

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -6.067+/-0.489 χ^2/NDF: 6692.1/24

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

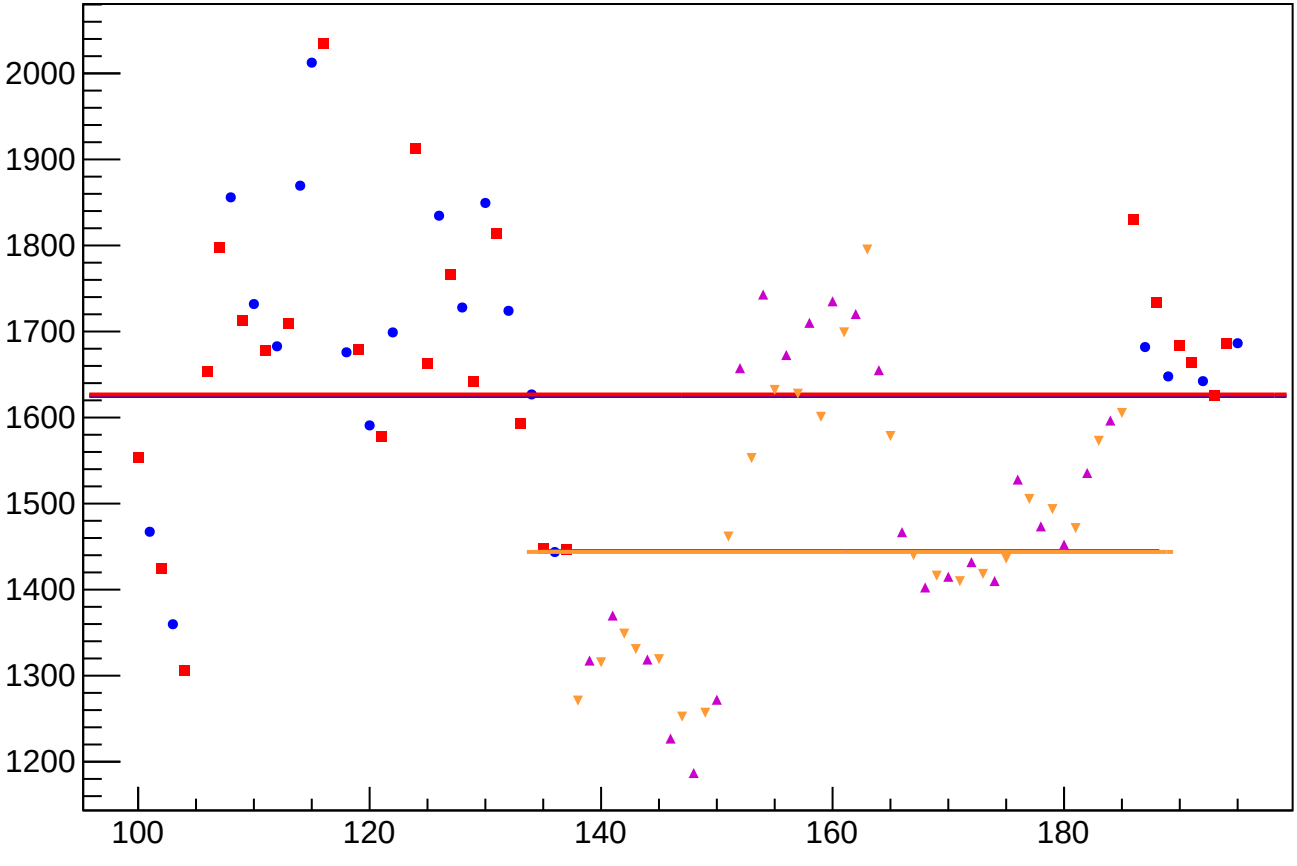
Right: -1.254+/-0.357 χ^2/NDF: 12513.9/44

In: -7.875+/-0.285 χ^2/NDF:13008.0/42

Out: 12.932+/-0.274 χ^2/NDF:13045.1/49

All: 2.949+/-0.197 χ^2/NDF: 28828.8/92

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1625.138+/-0.369 χ^2/NDF: 158644.9/19

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1626.780+/-0.346 χ^2/NDF: 186882.9/24

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

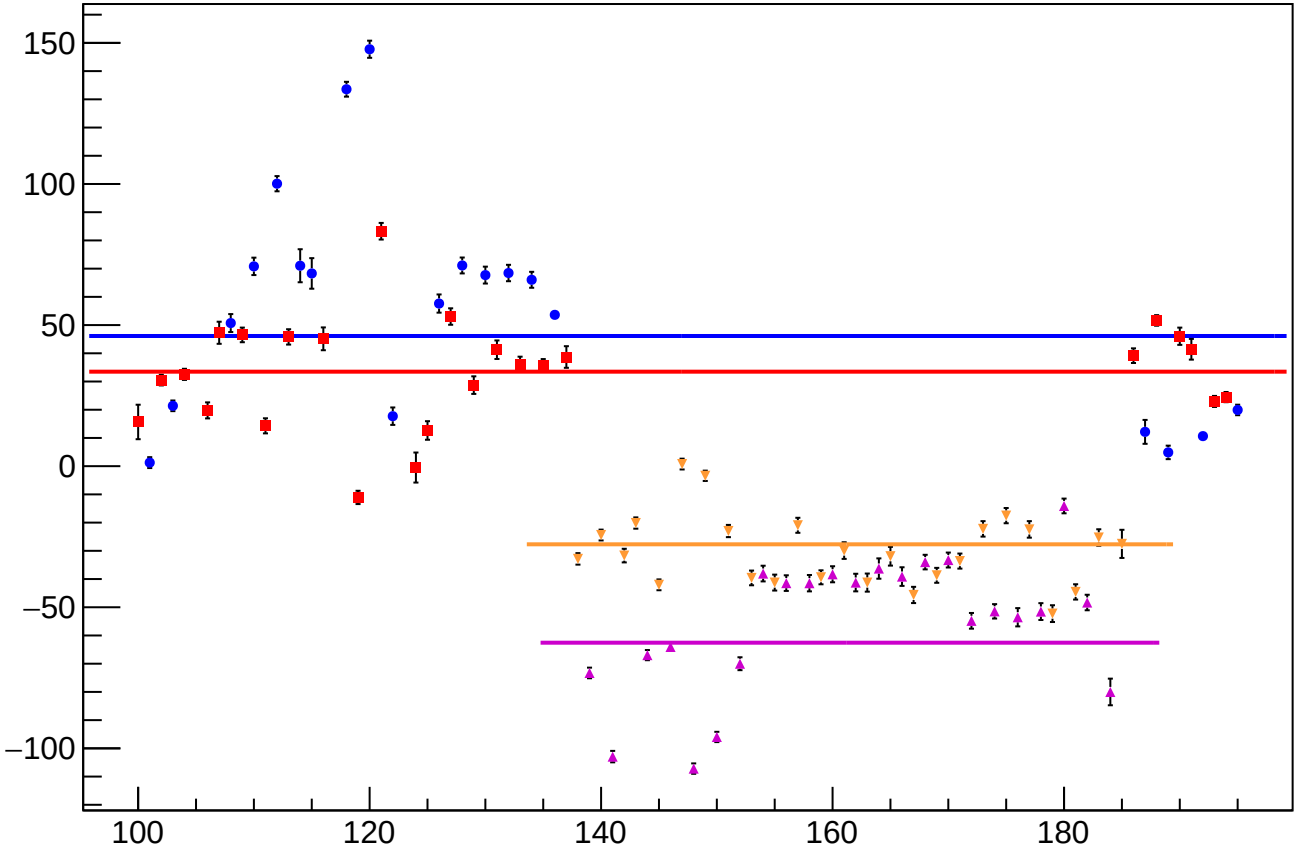
Right: 1626.011+/-0.252 χ^2/NDF: 345538.4/44

In: 1498.599+/-0.201 χ^2/NDF:811629.5/42

Out: 1500.997+/-0.193 χ^2/NDF:731471.4/49

All: 1499.846+/-0.140 χ^2/NDF: 1543174.6/92

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 46.132+/-0.573 χ^2/NDF: 4755.8/19

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 33.489+/-0.530 χ^2/NDF: 1107.5/24

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

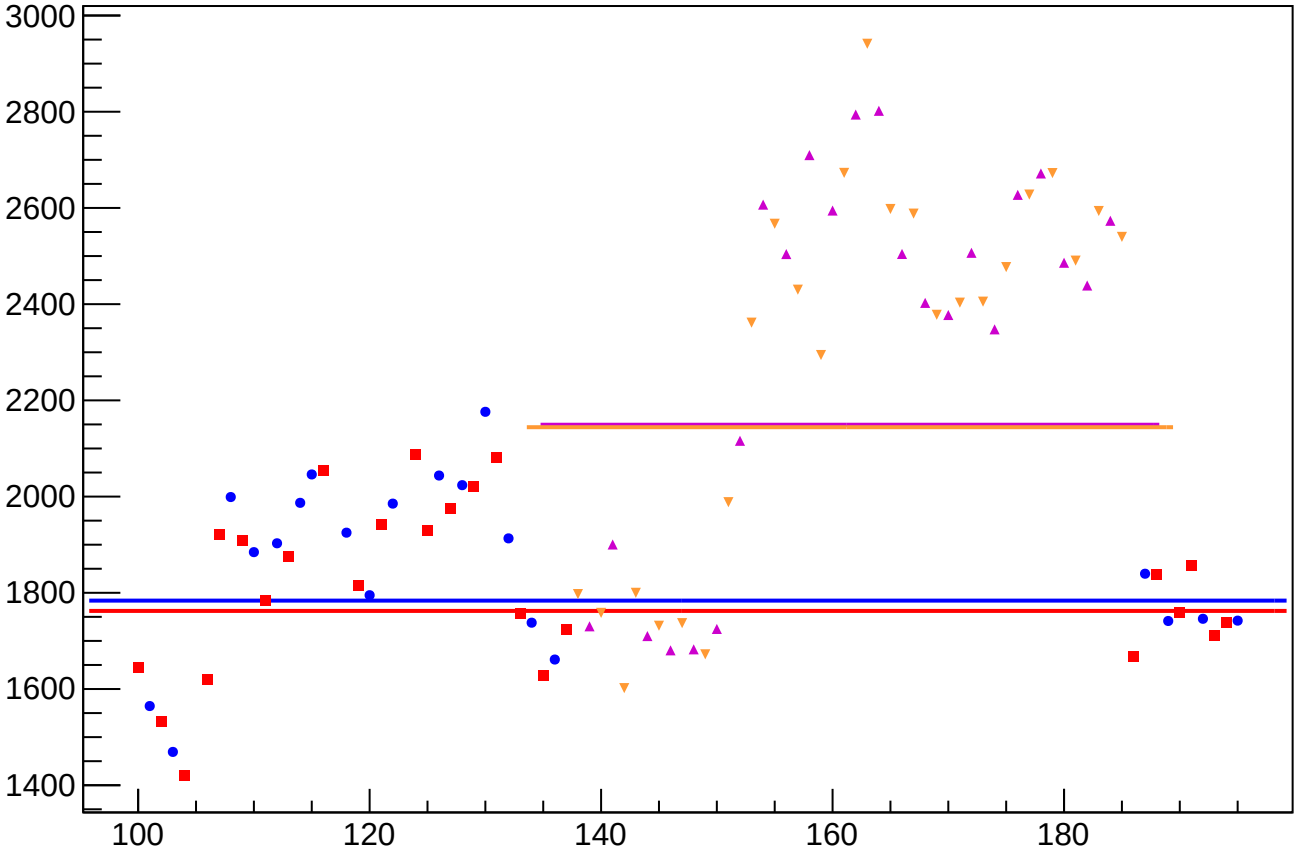
Right: 39.320+/-0.389 χ^2/NDF: 6125.7/44

In: -14.312+/-0.382 χ^2/NDF:27236.9/42

Out: 0.874+/-0.362 χ^2/NDF:8976.9/49

All: -6.322+/-0.263 χ^2/NDF: 37047.0/92

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1783.771+/-0.405 χ^2/NDF: 196773.7/19

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1762.344+/-0.375 χ^2/NDF: 198901.2/24

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

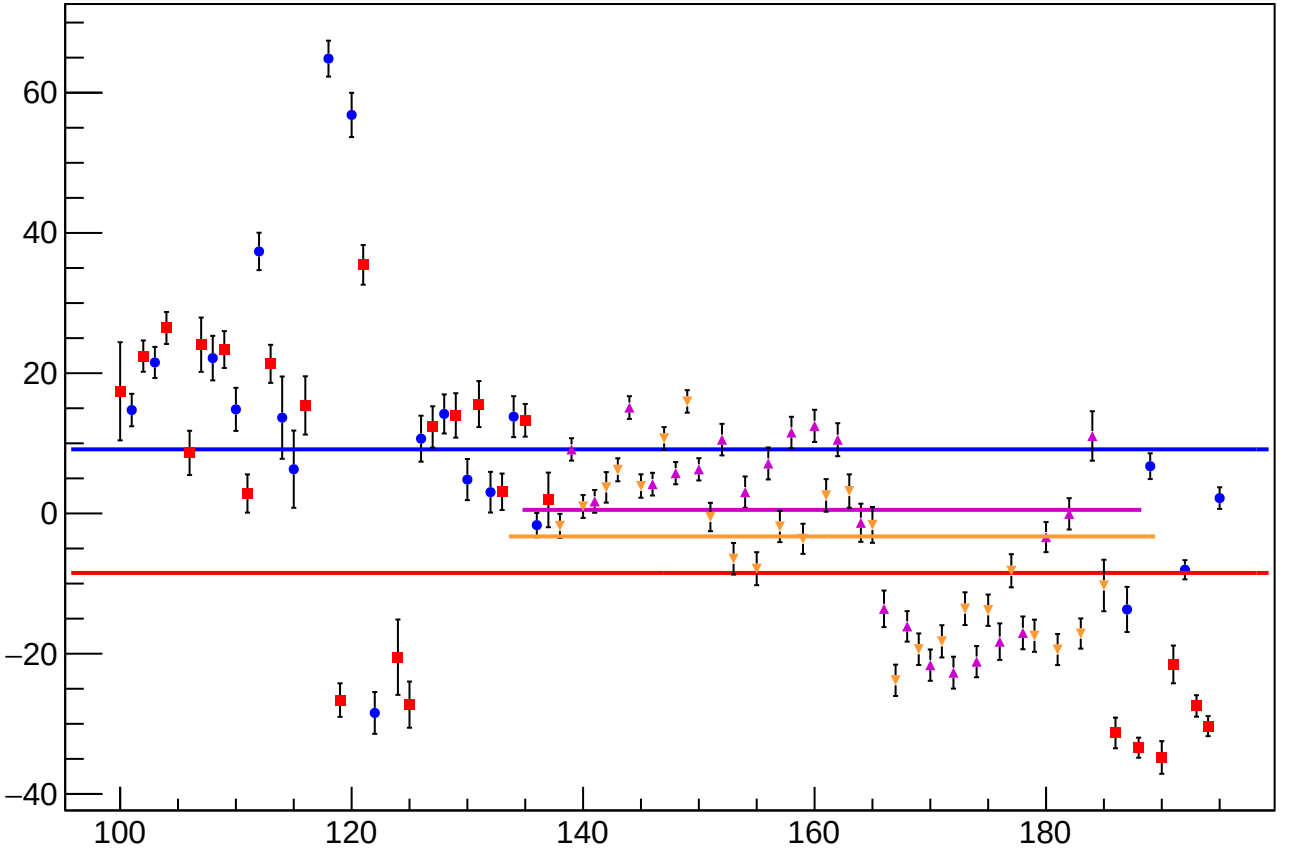
Right: 1772.227+/-0.275 χ^2/NDF: 397182.8/44

In: 1987.078+/-0.270 χ^2/NDF:1915558.8/42

Out: 1965.913+/-0.256 χ^2/NDF:2032238.6/49

All: 1975.942+/-0.186 χ^2/NDF: 3951033.8/92

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 9.139+/-0.541 χ^2/NDF: 1312.3/19

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -8.482+/-0.493 χ^2/NDF: 2413.5/24

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

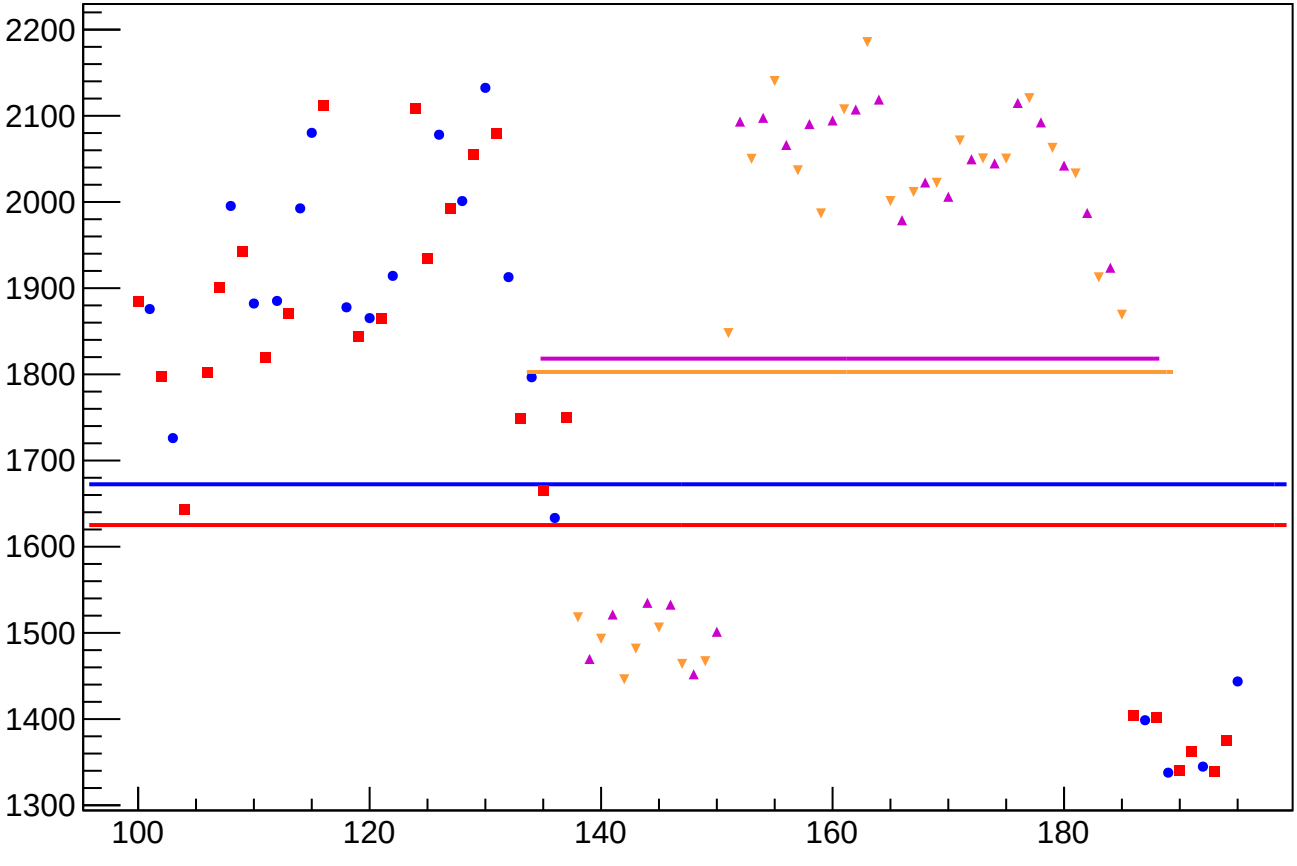
Right: -0.492+/-0.364 χ^2/NDF: 4306.2/44

In: 3.851+/-0.336 χ^2/NDF:2214.2/42

Out: -5.435+/-0.317 χ^2/NDF:3150.0/49

All: -1.065+/-0.231 χ^2/NDF: 5767.4/92

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1672.440+/-0.382 χ^2/NDF: 475640.4/19

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1625.142+/-0.348 χ^2/NDF: 541325.2/24

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

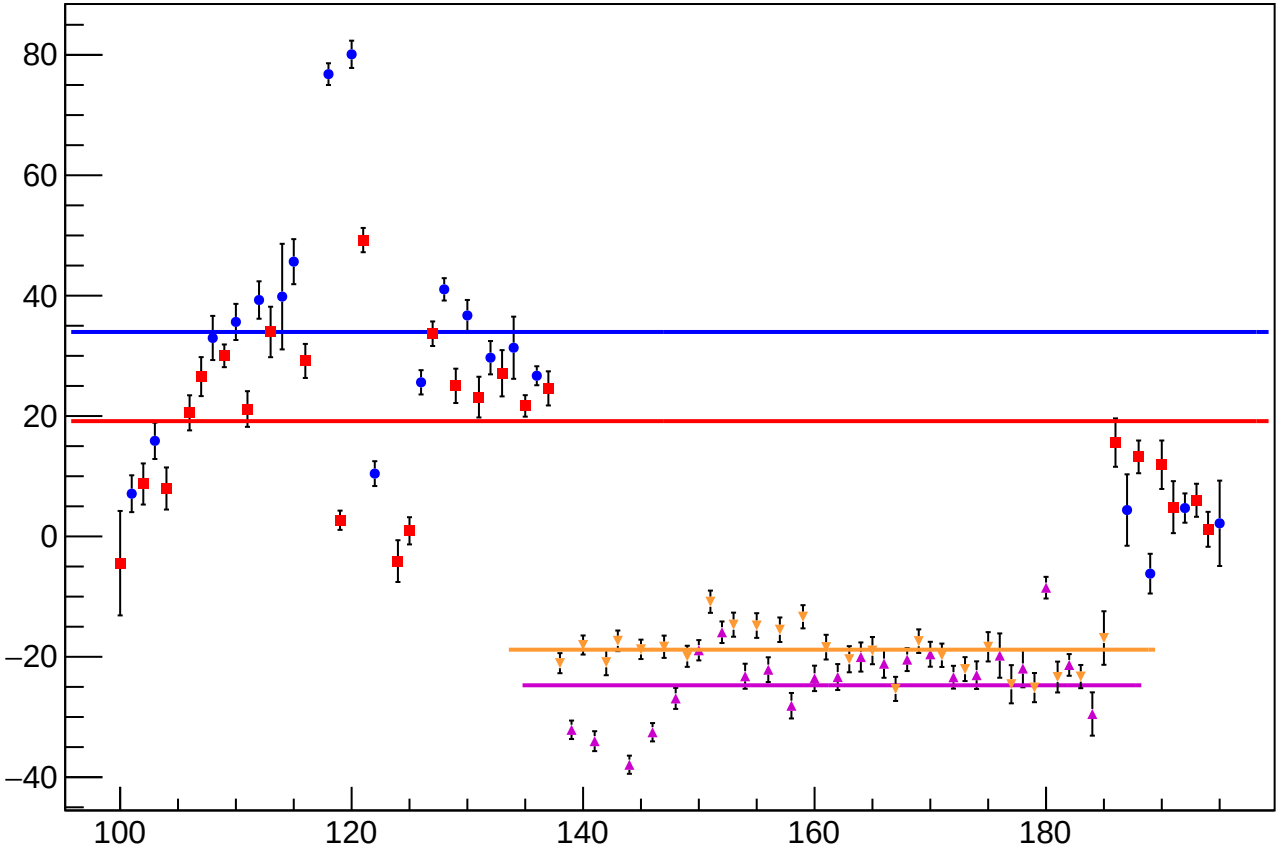
Right: 1646.587+/-0.257 χ^2/NDF: 1025328.5/44

In: 1761.788+/-0.238 χ^2/NDF:1405080.0/42

Out: 1729.081+/-0.224 χ^2/NDF:1590902.2/49

All: 1744.472+/-0.163 χ^2/NDF: 3005988.3/92

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 33.968+/-0.588 χ^2/NDF: 1626.9/19

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 19.155+/-0.542 χ^2/NDF: 676.9/24

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

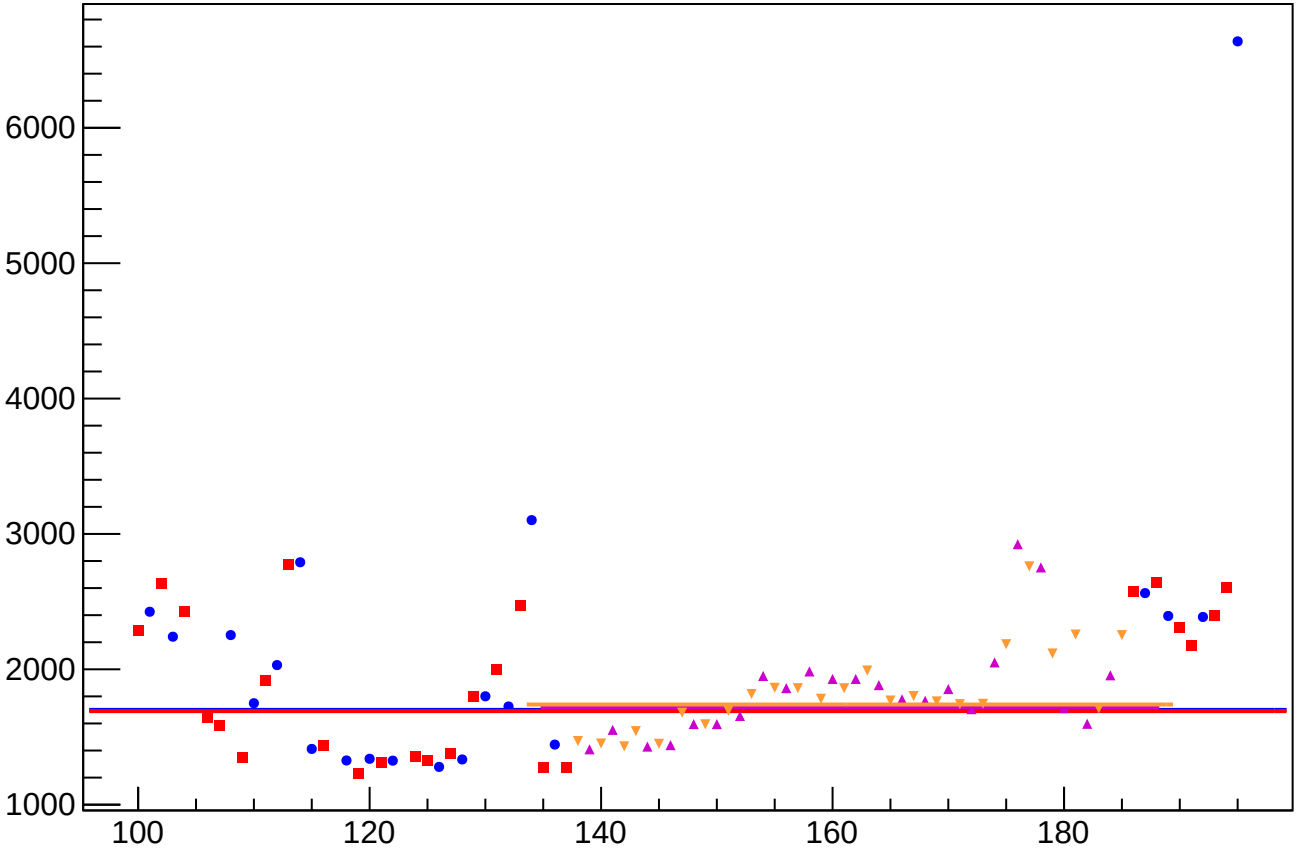
Right: 25.953+/-0.398 χ^2/NDF: 2646.9/44

In: -5.613+/-0.336 χ^2/NDF:8651.1/42

Out: -5.333+/-0.323 χ^2/NDF:3920.9/49

All: -5.467+/-0.233 χ^2/NDF: 12572.4/92

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1700.195+/-0.416 χ^2/NDF: 2118706.3/19

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1691.094+/-0.383 χ^2/NDF: 1835456.3/24

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

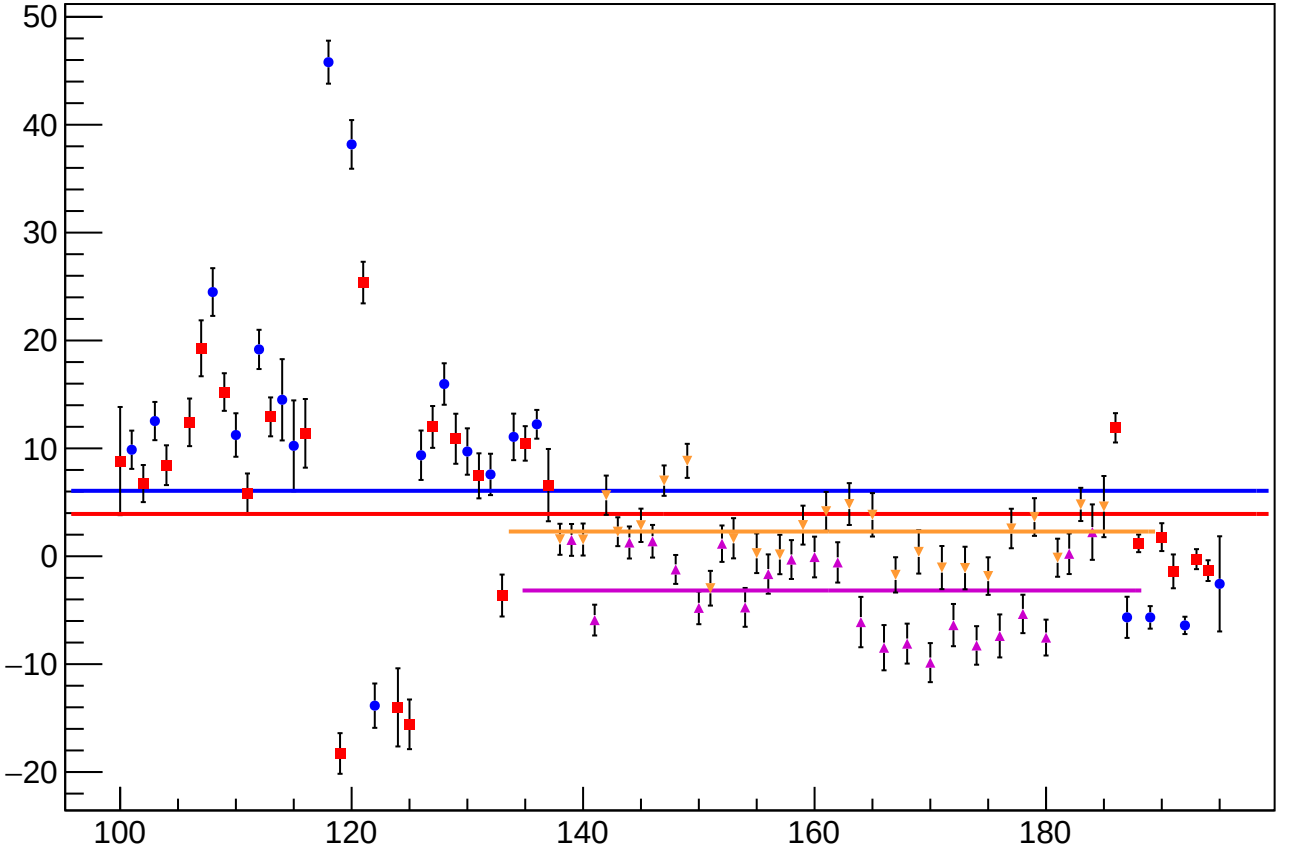
Right: 1695.271+/-0.282 χ^2/NDF: 3954421.8/44

In: 1714.132+/-0.237 χ^2/NDF:3004362.2/42

Out: 1722.692+/-0.228 χ^2/NDF:2599387.1/49

All: 1718.579+/-0.165 χ^2/NDF: 5604425.0/92

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 6.067+/-0.386 χ^2/NDF: 1313.8/19

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.922+/-0.323 χ^2/NDF: 663.8/24

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

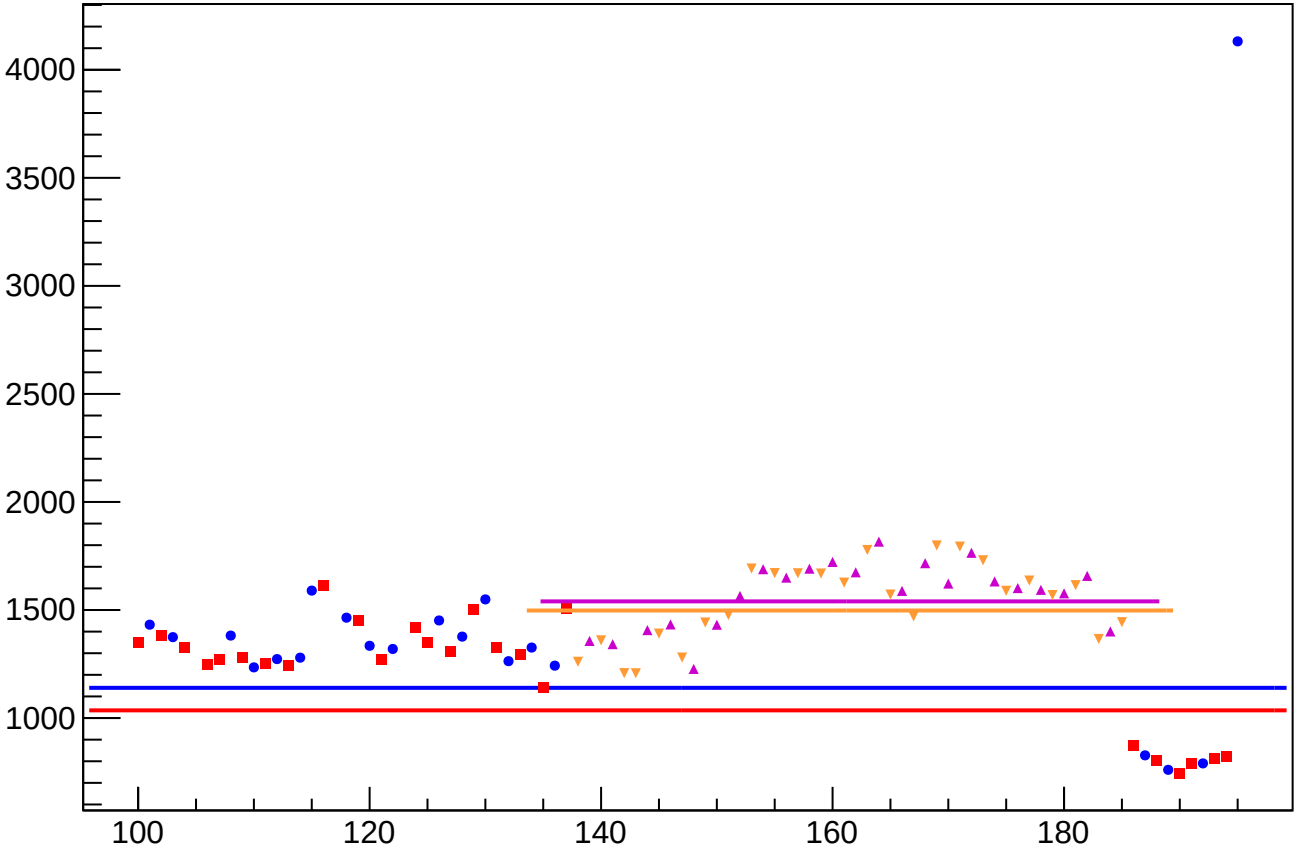
Right: 4.807+/-0.248 χ^2/NDF: 1995.7/44

In: 1.160+/-0.264 χ^2/NDF:1728.9/42

Out: 3.157+/-0.235 χ^2/NDF:749.2/49

All: 2.273+/-0.176 χ^2/NDF: 2509.9/92

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1139.822+/-0.273 χ^2/NDF: 2028861.4/19

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1035.558+/-0.229 χ^2/NDF: 1325344.5/24

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

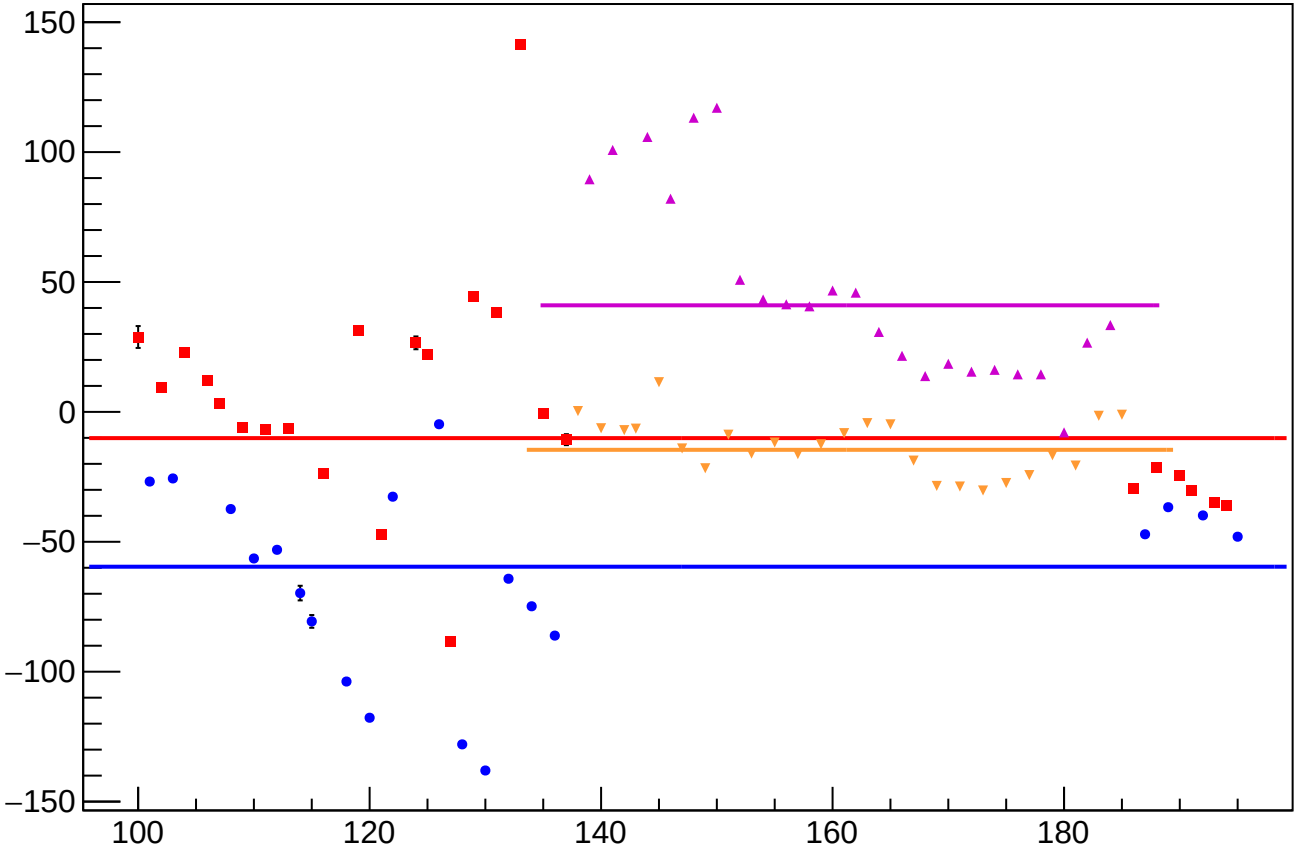
Right: 1078.577+/-0.175 χ^2/NDF: 3440049.3/44

In: 1352.286+/-0.187 χ^2/NDF:3551861.5/42

Out: 1252.642+/-0.166 χ^2/NDF:3814081.8/49

All: 1296.753+/-0.124 χ^2/NDF: 7524581.7/92

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -59.590+/-0.264 χ^2/NDF: 15385.6/19

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -10.094+/-0.241 χ^2/NDF: 26144.5/24

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

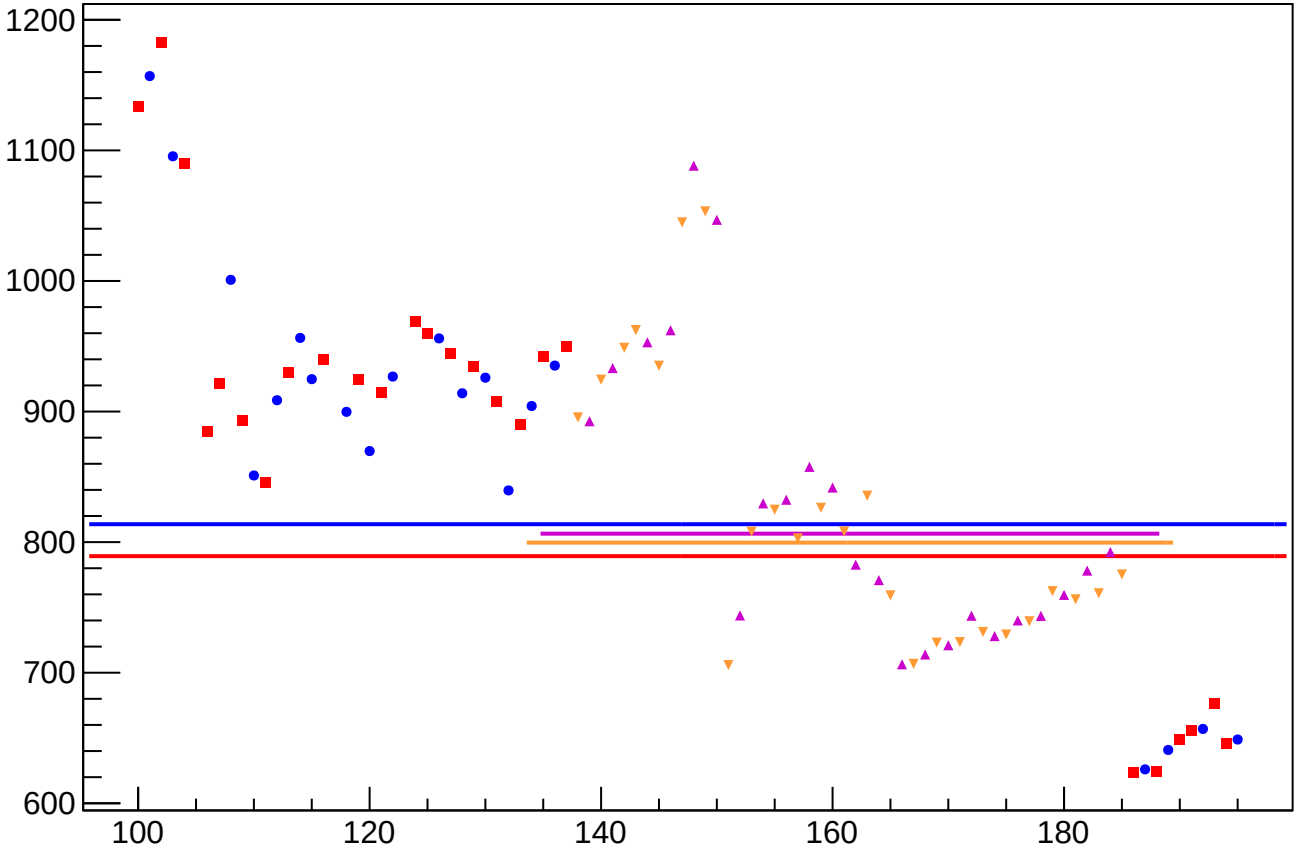
Right: -32.537+/-0.178 χ^2/NDF: 60674.9/44

In: 6.822+/-0.154 χ^2/NDF:141985.9/42

Out: -12.950+/-0.146 χ^2/NDF:29525.4/49

All: -3.624+/-0.106 χ^2/NDF: 180199.1/92

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 813.720+/-0.187 χ^2/NDF: 689108.0/19

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 789.267+/-0.170 χ^2/NDF: 869471.0/24

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

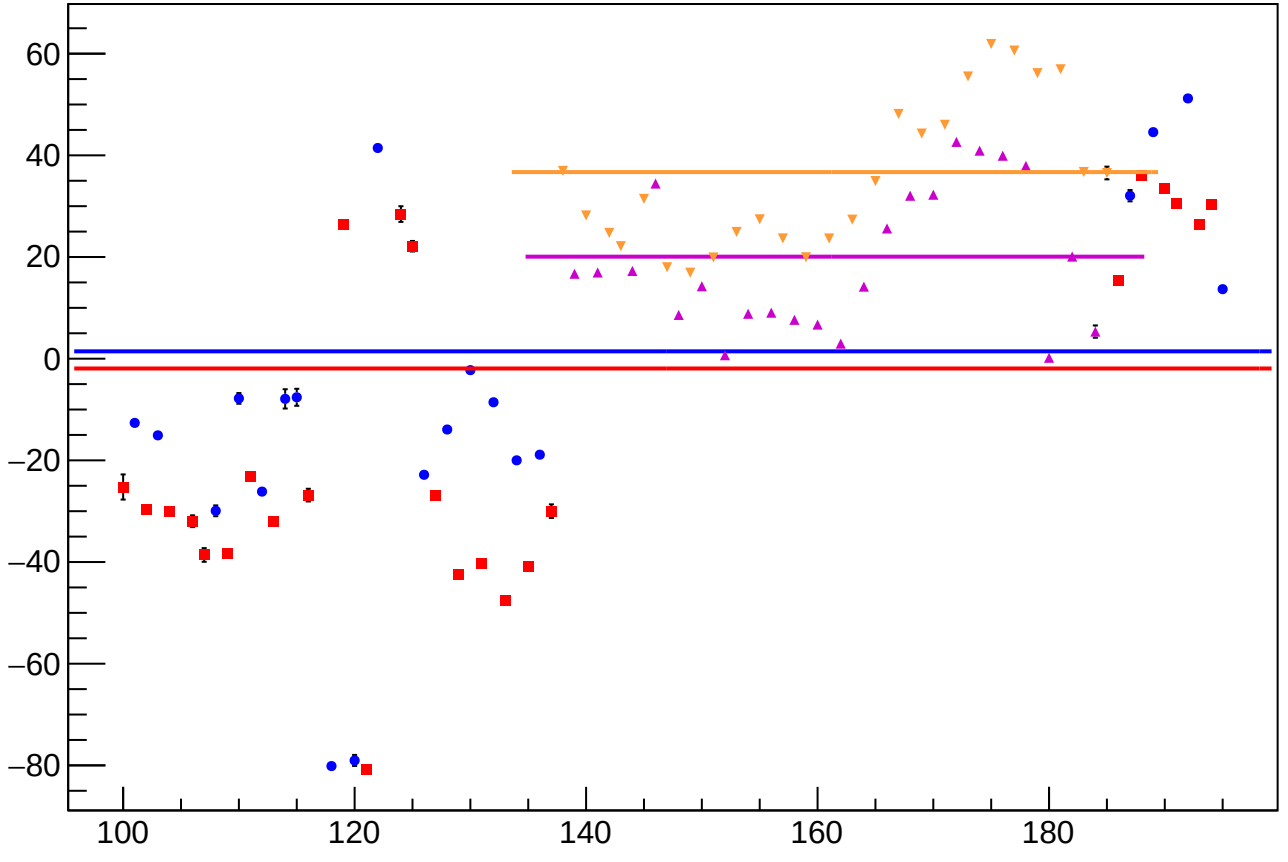
Right: 800.354+/-0.126 χ^2/NDF: 1567924.3/44

In: 808.940+/-0.109 χ^2/NDF:1201392.6/42

Out: 795.845+/-0.103 χ^2/NDF:1369253.5/49

All: 802.021+/-0.075 χ^2/NDF: 2578267.2/92

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.445+/-0.184 χ^2/NDF: 37507.8/19

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -1.928+/-0.169 χ^2/NDF: 42827.2/24

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

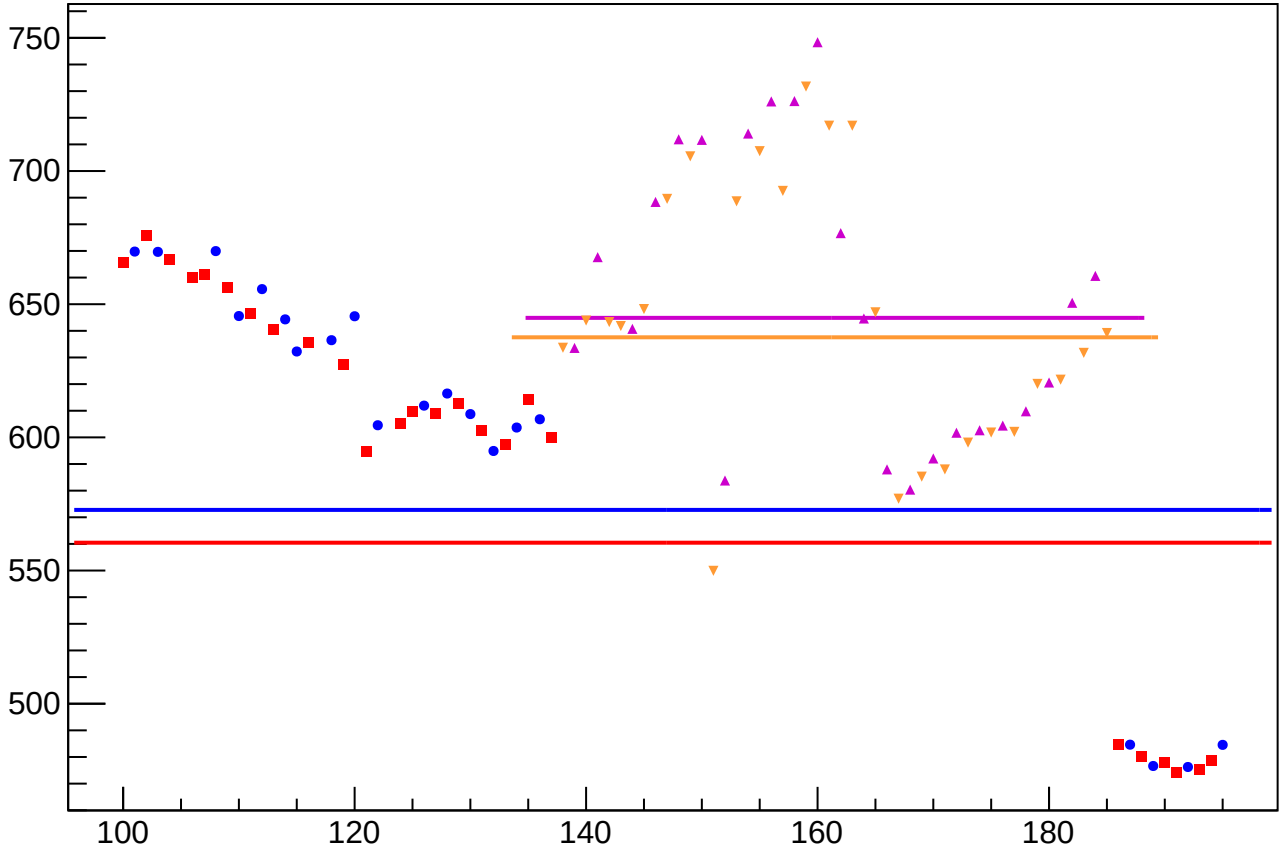
Right: -0.386+/-0.125 χ^2/NDF: 80516.7/44

In: 12.579+/-0.117 χ^2/NDF:52167.6/42

Out: 20.294+/-0.110 χ^2/NDF:83035.0/49

All: 16.662+/-0.080 χ^2/NDF: 137506.3/92

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 572.769+/-0.130 χ^2/NDF: 337135.2/19

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 560.456+/-0.120 χ^2/NDF: 420872.7/24

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

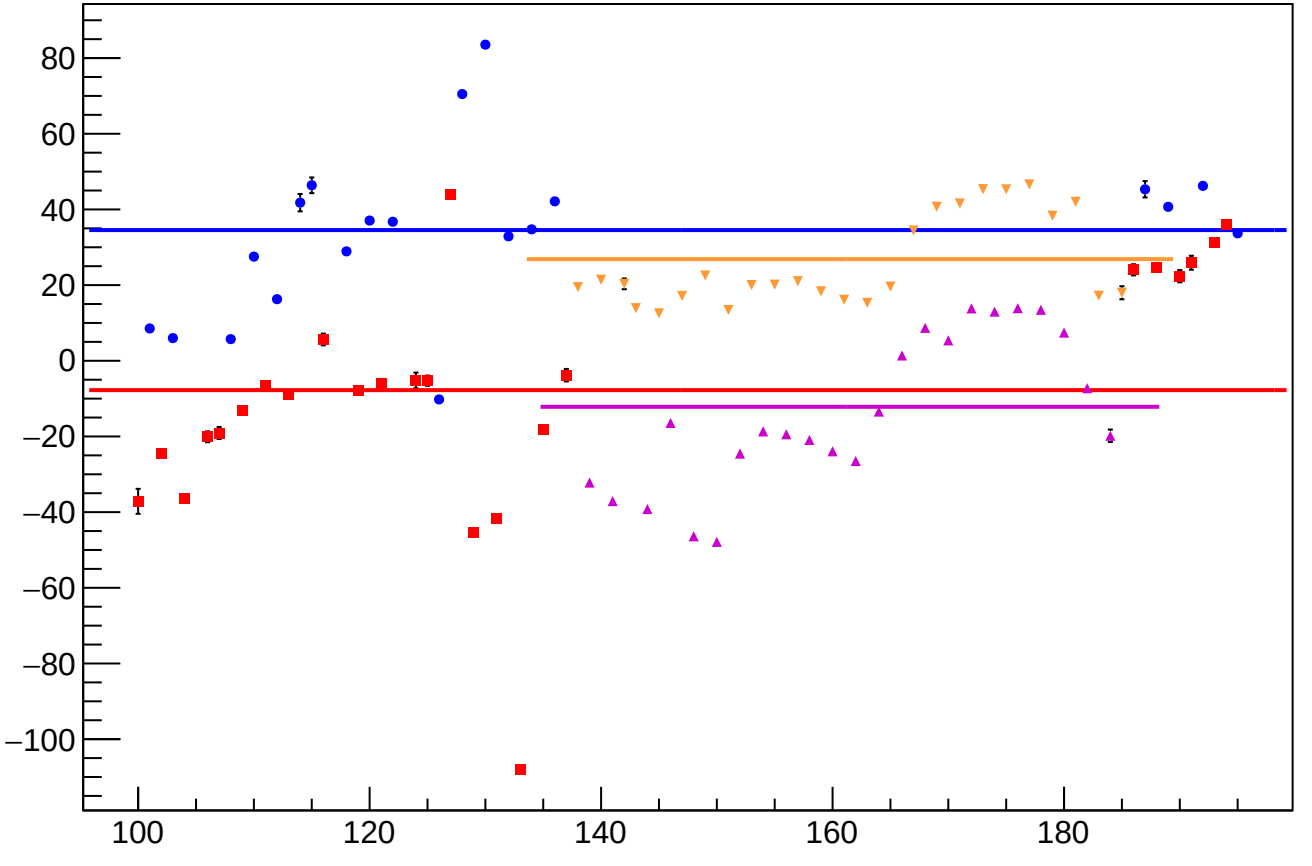
Right: 566.086+/-0.088 χ^2/NDF: 762848.4/44

In: 615.873+/-0.083 χ^2/NDF:749535.8/42

Out: 604.813+/-0.078 χ^2/NDF:896283.7/49

All: 610.020+/-0.057 χ^2/NDF: 1655288.0/92

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 34.545+/-0.259 χ^2/NDF: 6927.1/19

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -7.754+/-0.247 χ^2/NDF: 19440.2/24

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

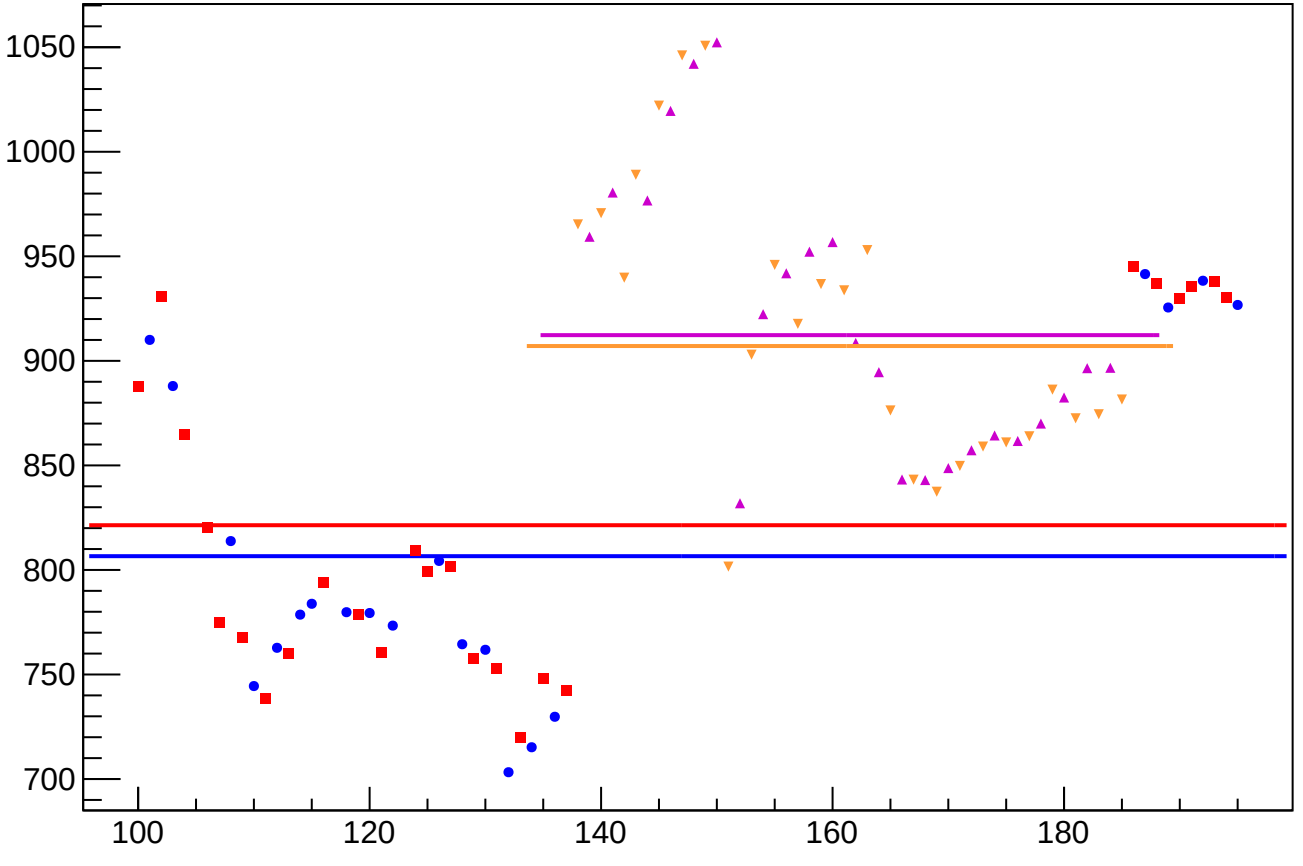
Right: 12.405+/-0.179 χ^2/NDF: 40356.6/44

In: 6.780+/-0.165 χ^2/NDF:34845.0/42

Out: 12.602+/-0.158 χ^2/NDF:34392.0/49

All: 9.804+/-0.114 χ^2/NDF: 69885.7/92

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 806.588+/-0.183 χ^2/NDF: 190641.0/19

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 821.392+/-0.175 χ^2/NDF: 211132.5/24

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

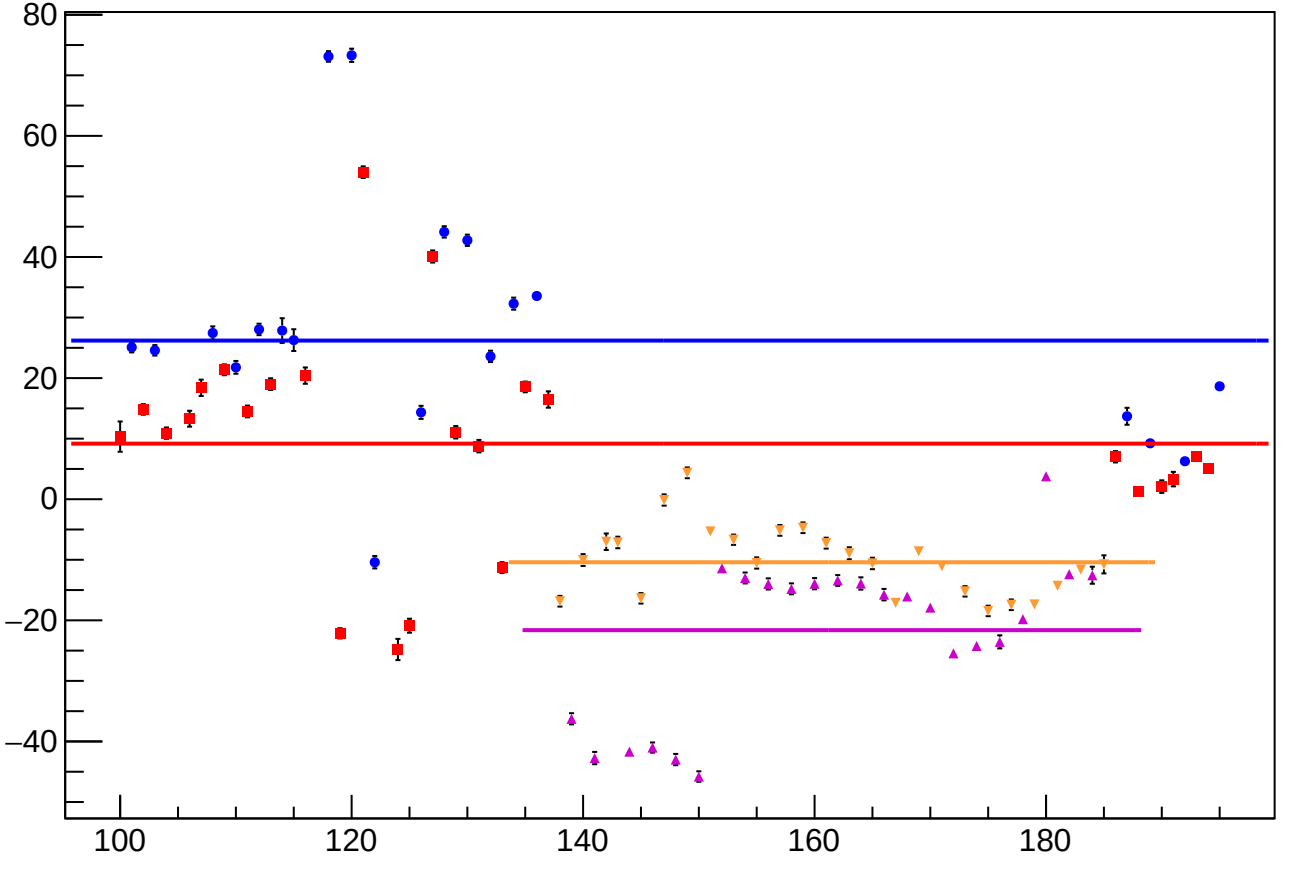
Right: 814.336+/-0.126 χ^2/NDF: 405200.6/44

In: 869.434+/-0.117 χ^2/NDF:563840.7/42

Out: 871.780+/-0.112 χ^2/NDF:547421.2/49

All: 870.653+/-0.081 χ^2/NDF: 1111472.5/92

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 26.197+/-0.201 χ^2/NDF: 8815.8/19

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 9.178+/-0.191 χ^2/NDF: 6982.8/24

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

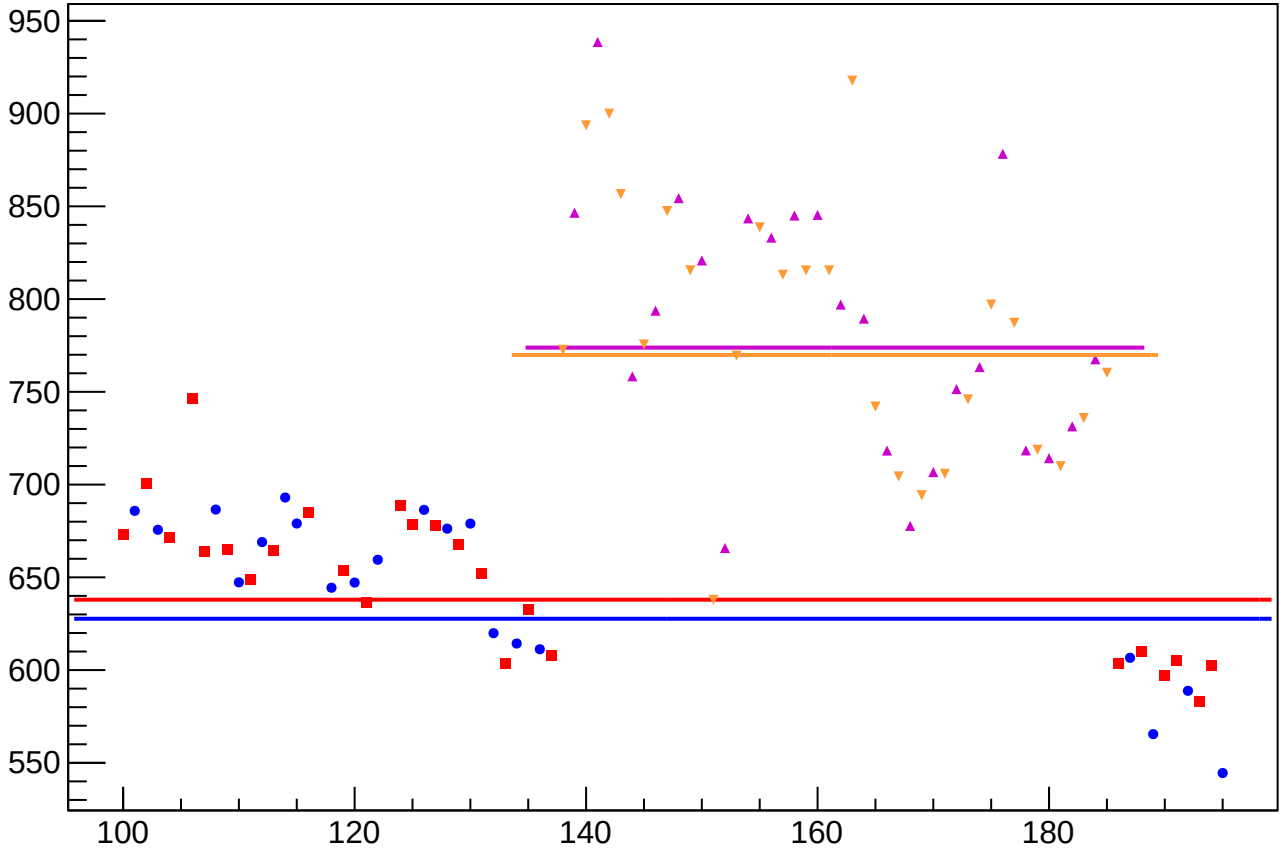
Right: 17.253+/-0.139 χ^2/NDF: 19555.5/44

In: -0.121+/-0.135 χ^2/NDF:45116.9/42

Out: -1.427+/-0.130 χ^2/NDF:13702.0/49

All: -0.801+/-0.093 χ^2/NDF: 58867.6/92

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 627.663+/-0.142 χ^2/NDF: 113290.9/19

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 637.938+/-0.135 χ^2/NDF: 78962.5/24

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

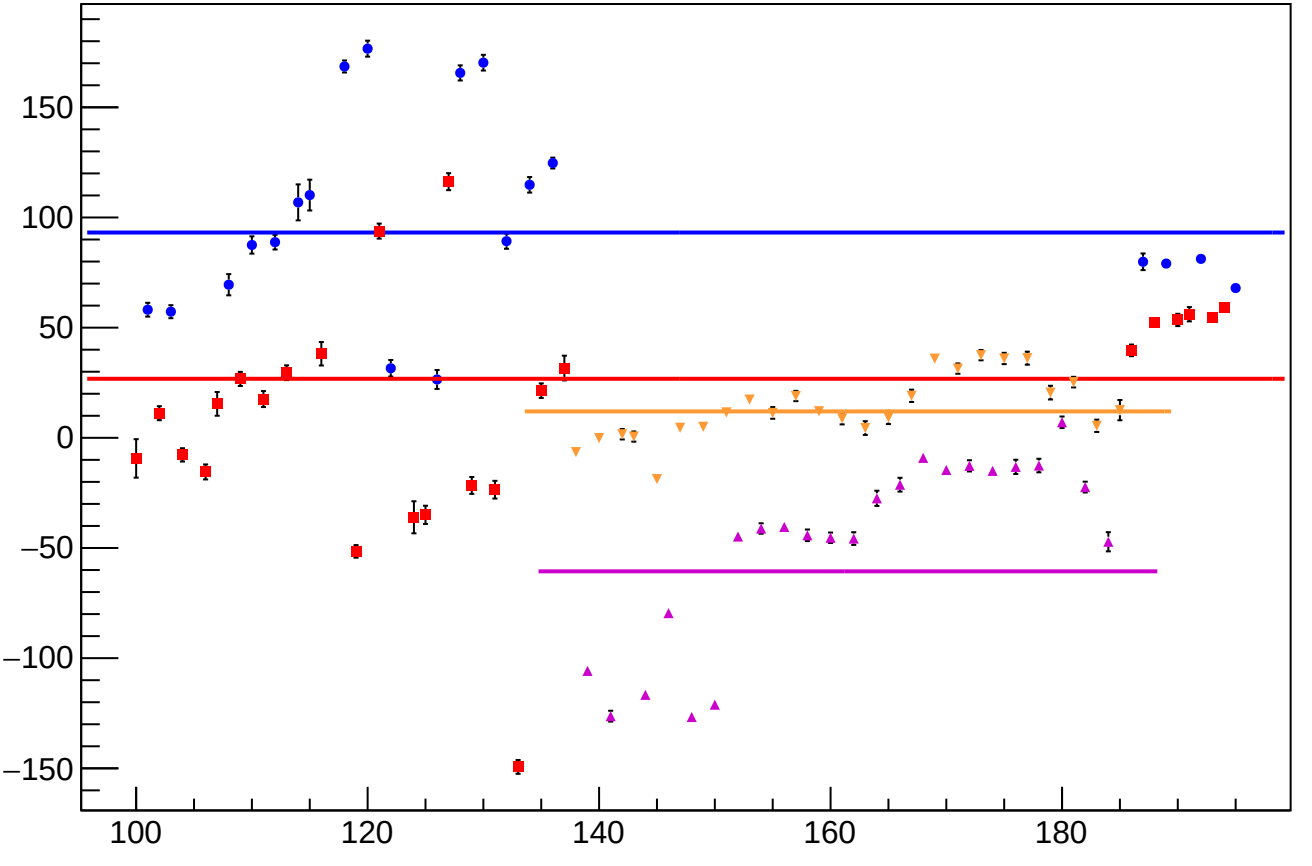
Right: 633.063+/-0.098 χ^2/NDF: 194991.7/44

In: 708.120+/-0.095 χ^2/NDF:976654.2/42

Out: 709.366+/-0.092 χ^2/NDF:898631.3/49

All: 708.769+/-0.066 χ^2/NDF: 1875374.2/92

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 93.174+/-0.653 χ^2/NDF: 3572.8/19

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 26.794+/-0.605 χ^2/NDF: 6831.2/24

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

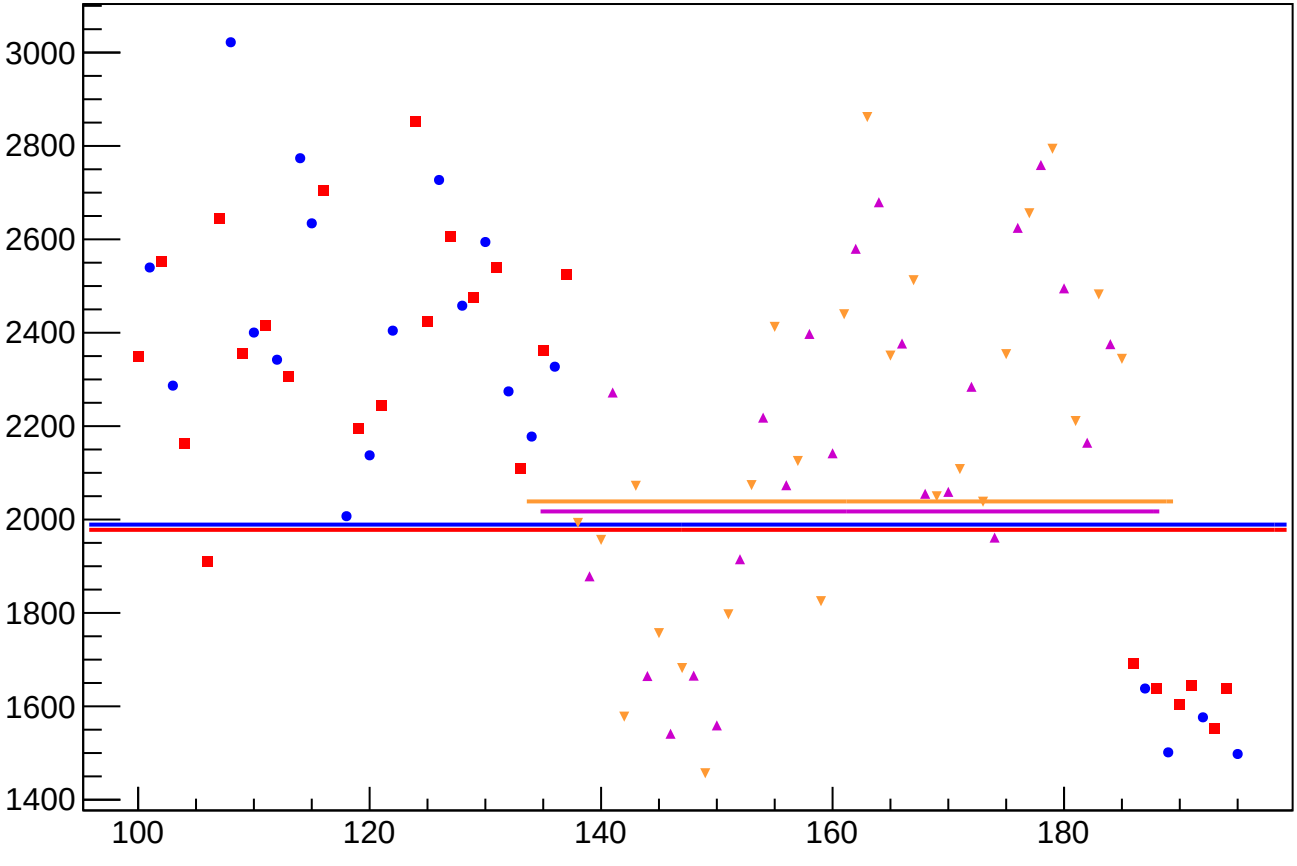
Right: 57.420+/-0.444 χ^2/NDF: 15963.5/44

In: -6.564+/-0.387 χ^2/NDF:48137.4/42

Out: 17.587+/-0.372 χ^2/NDF:8151.0/49

All: 6.003+/-0.268 χ^2/NDF: 58311.8/92

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1989.155+/-0.462 χ^2/NDF: 933804.9/19

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1977.932+/-0.428 χ^2/NDF: 830105.6/24

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

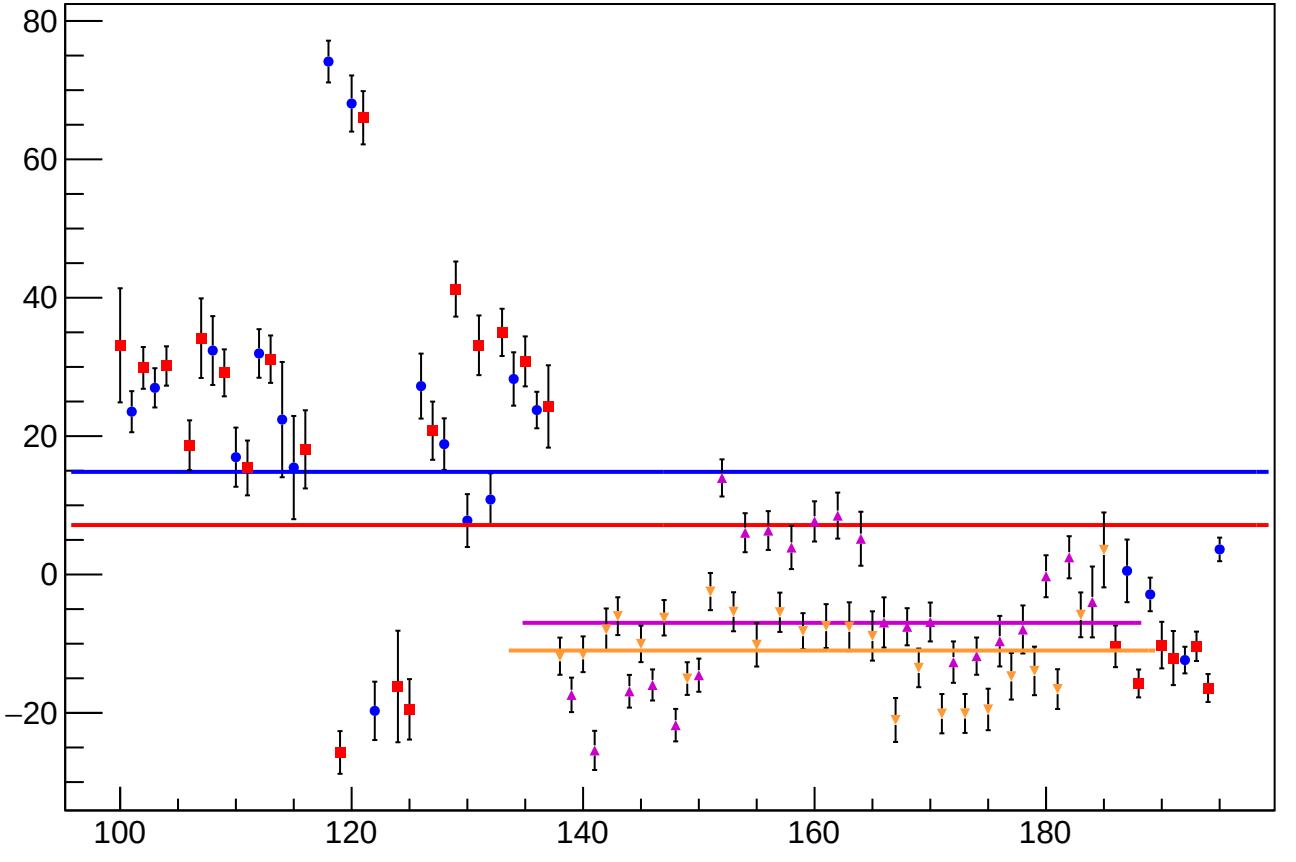
Right: 1983.110+/-0.314 χ^2/NDF: 1764228.3/44

In: 2007.428+/-0.274 χ^2/NDF:1986260.0/42

Out: 2015.773+/-0.263 χ^2/NDF:1966218.4/49

All: 2011.771+/-0.190 χ^2/NDF: 3952961.6/92

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 14.835+/-0.712 χ^2/NDF: 1031.9/19

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 7.147+/-0.673 χ^2/NDF: 1312.1/24

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

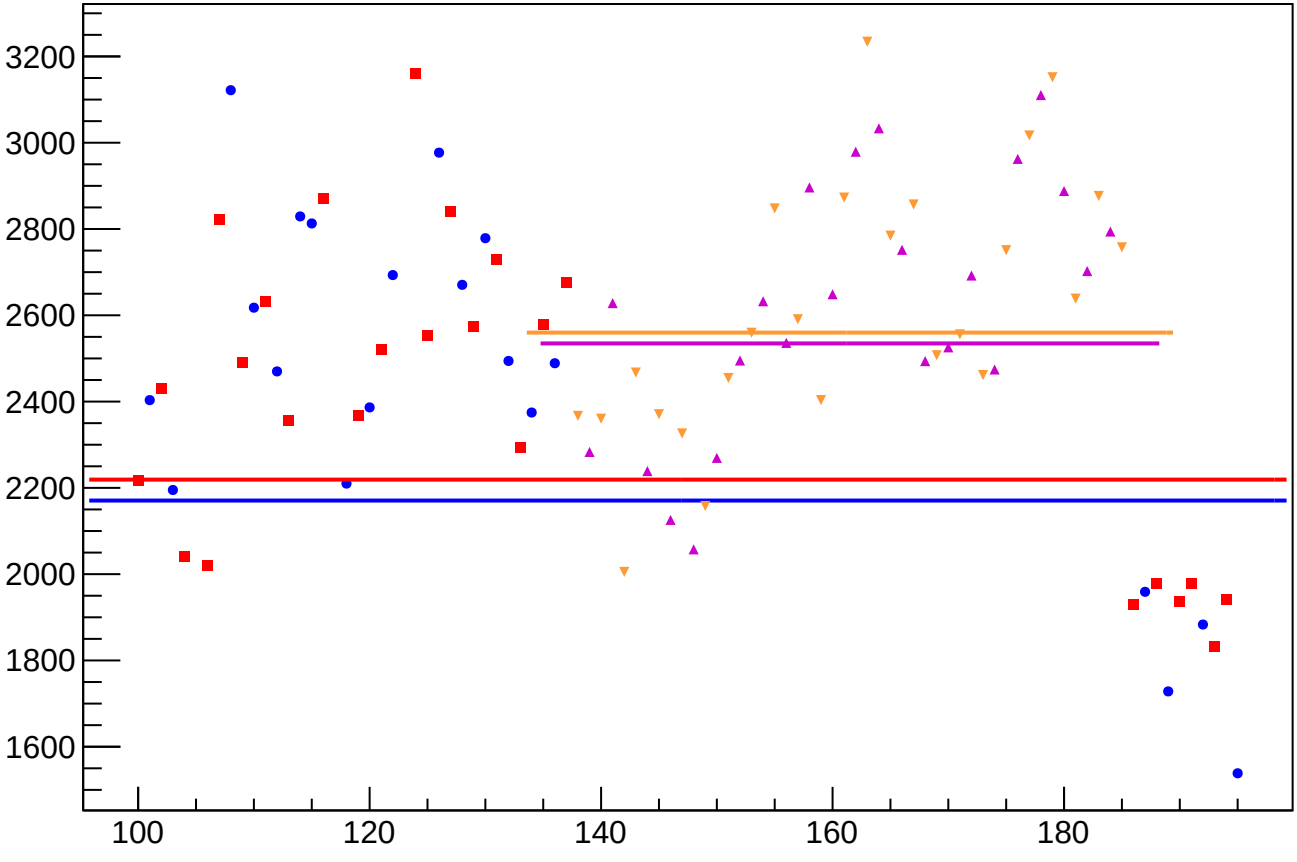
Right: 10.777+/-0.489 χ^2/NDF: 2405.6/44

In: 2.048+/-0.458 χ^2/NDF:1921.7/42

Out: -3.174+/-0.442 χ^2/NDF:1812.3/49

All: -0.656+/-0.318 χ^2/NDF: 3801.3/92

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2170.624+/-0.503 χ^2/NDF: 771462.1/19

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2219.124+/-0.476 χ^2/NDF: 458895.8/24

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

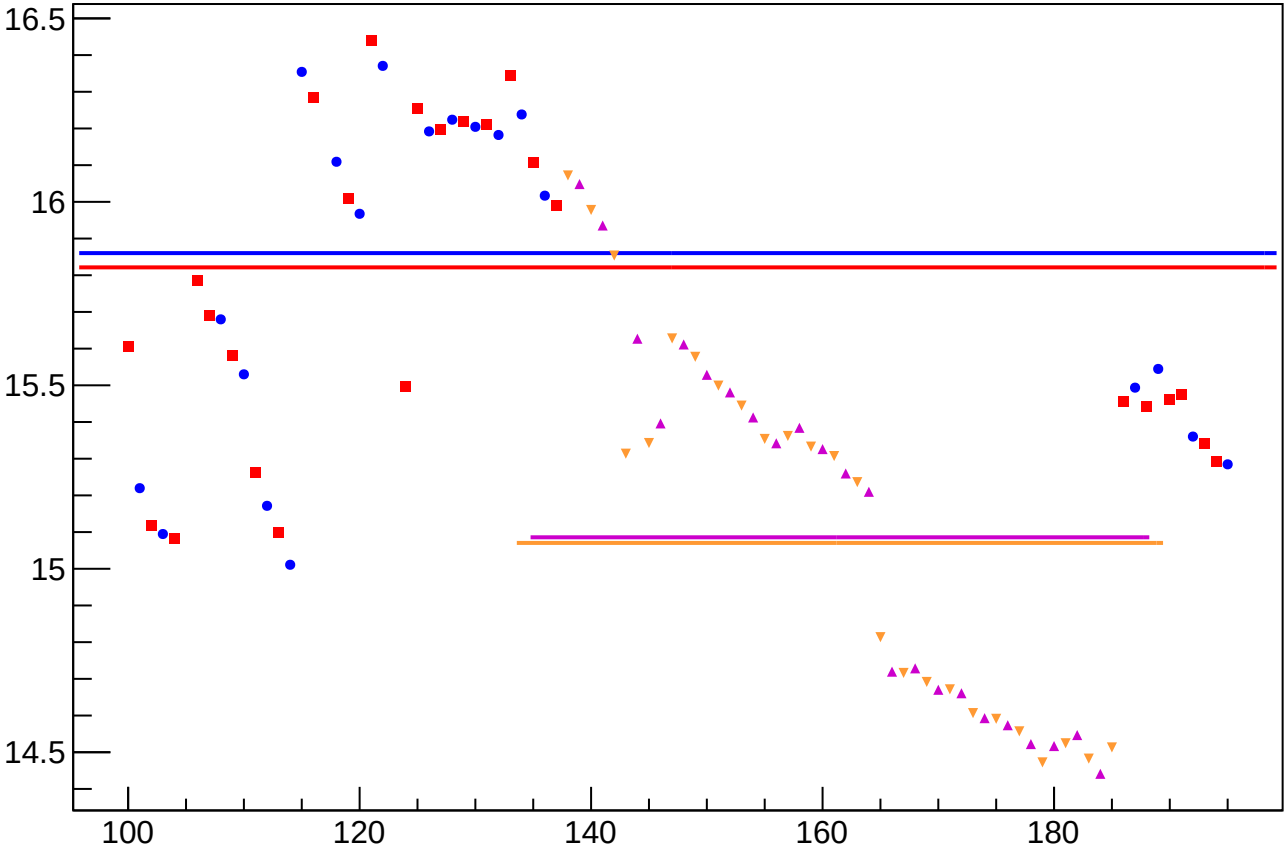
Right: 2196.223+/-0.346 χ^2/NDF: 1235255.5/44

In: 2384.026+/-0.324 χ^2/NDF:1541641.1/42

Out: 2413.115+/-0.313 χ^2/NDF:1200611.8/49

All: 2399.091+/-0.225 χ^2/NDF: 2746428.6/92

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.860+/-0.000 χ^2/NDF: 7418546590.2/19

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.821+/-0.000 χ^2/NDF: 8265094559.6/24

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

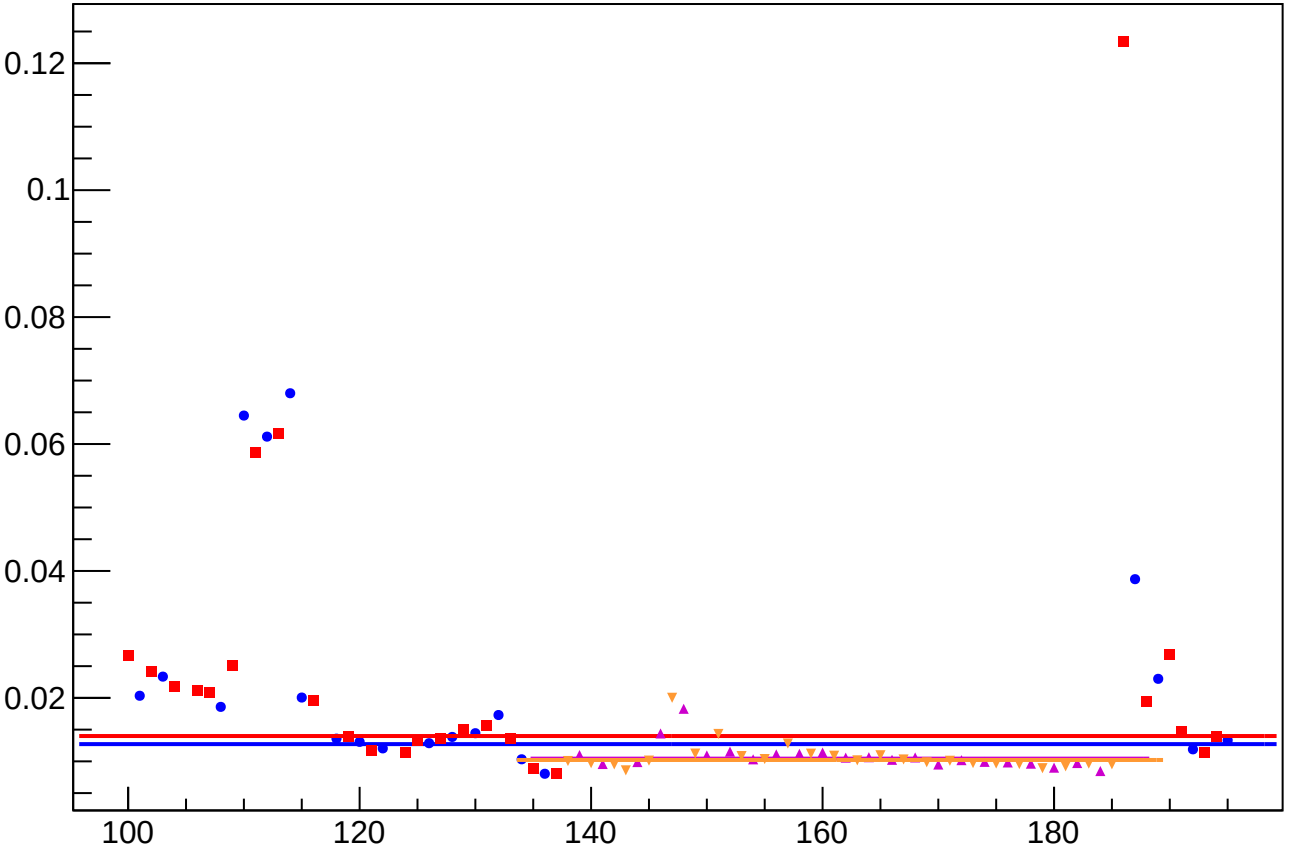
Right: 15.842+/-0.000 χ^2/NDF: 15718672230.9/44

In: 15.267+/-0.000 χ^2/NDF:69092248621.4/42

Out: 15.224+/-0.000 χ^2/NDF:72010547665.8/49

All: 15.245+/-0.000 χ^2/NDF: 141300215922.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2696372.0/19

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3220592.8/24

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

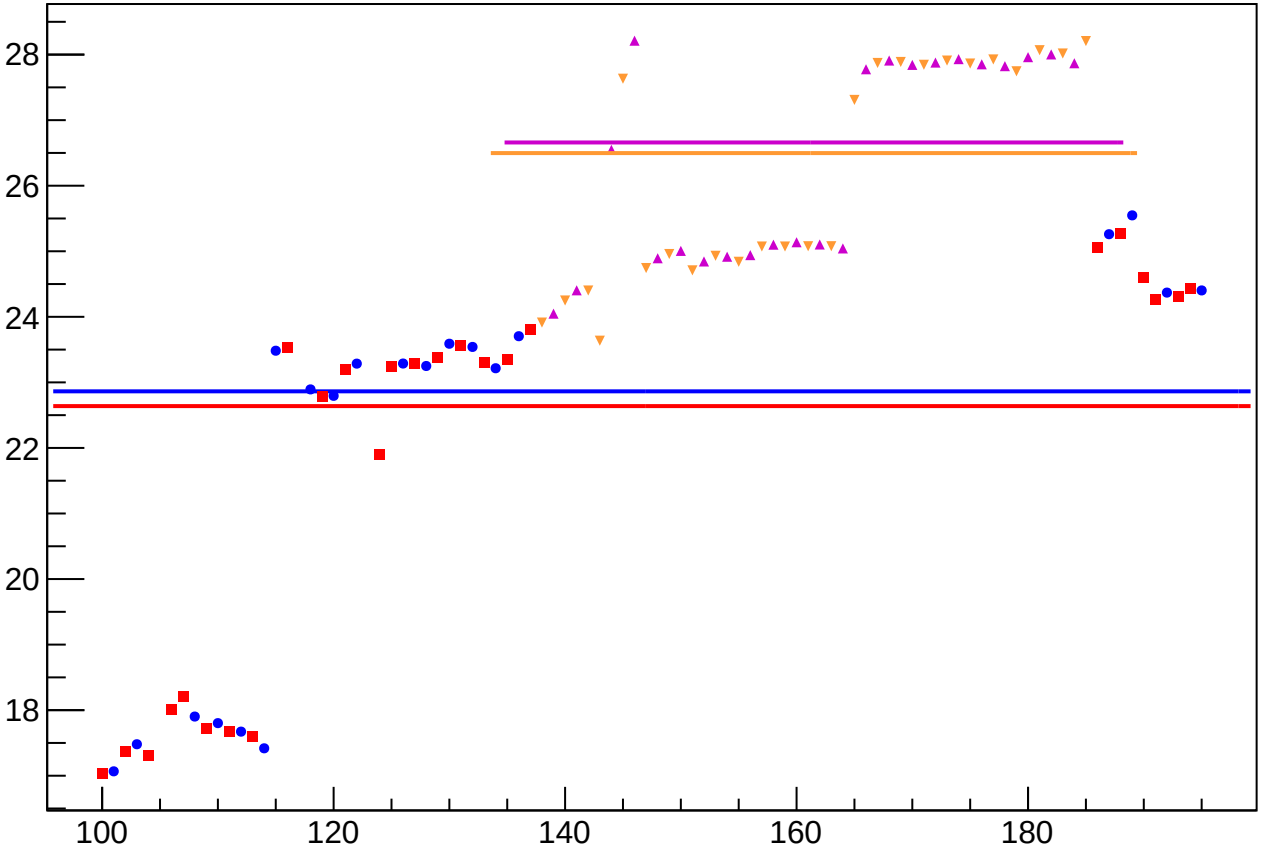
Right: 0.013+/-0.000 χ^2/NDF: 5992265.1/44

In: 0.011+/-0.000 χ^2/NDF:3681231.1/42

Out: 0.011+/-0.000 χ^2/NDF:4992492.3/49

All: 0.011+/-0.000 χ^2/NDF: 8673850.2/92

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.863+/-0.000 χ^2/NDF: 1315913284.9/19

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.638+/-0.000 χ^2/NDF: 1399135159.2/24

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

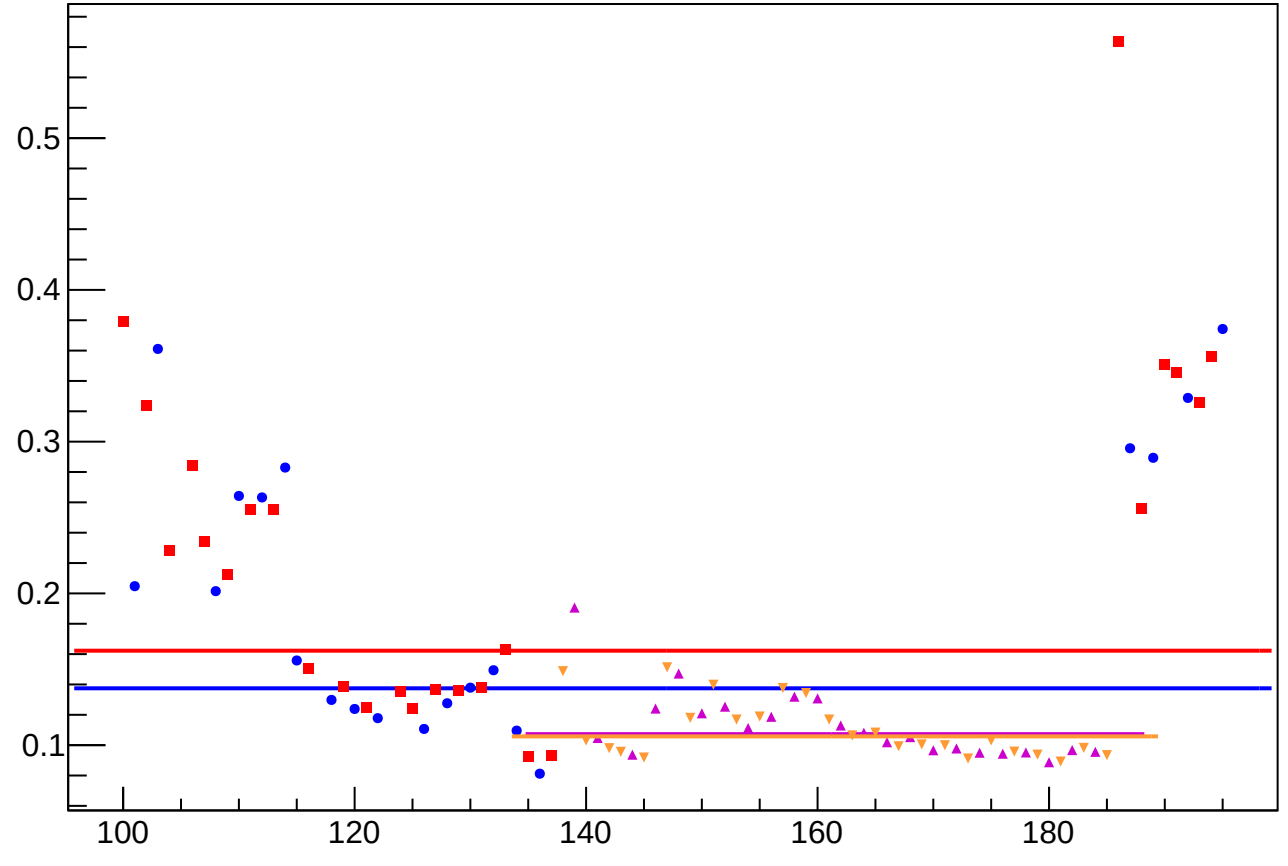
Right: 22.759+/-0.000 χ^2/NDF: 2723625374.1/44

In: 25.854+/-0.000 χ^2/NDF:8363727884.5/42

Out: 25.823+/-0.000 χ^2/NDF:9168262507.4/49

All: 25.838+/-0.000 χ^2/NDF: 17532806725.4

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.137+/-0.000 χ^2/NDF: 3565883.2/19

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.162+/-0.000 χ^2/NDF: 3676101.6/24

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

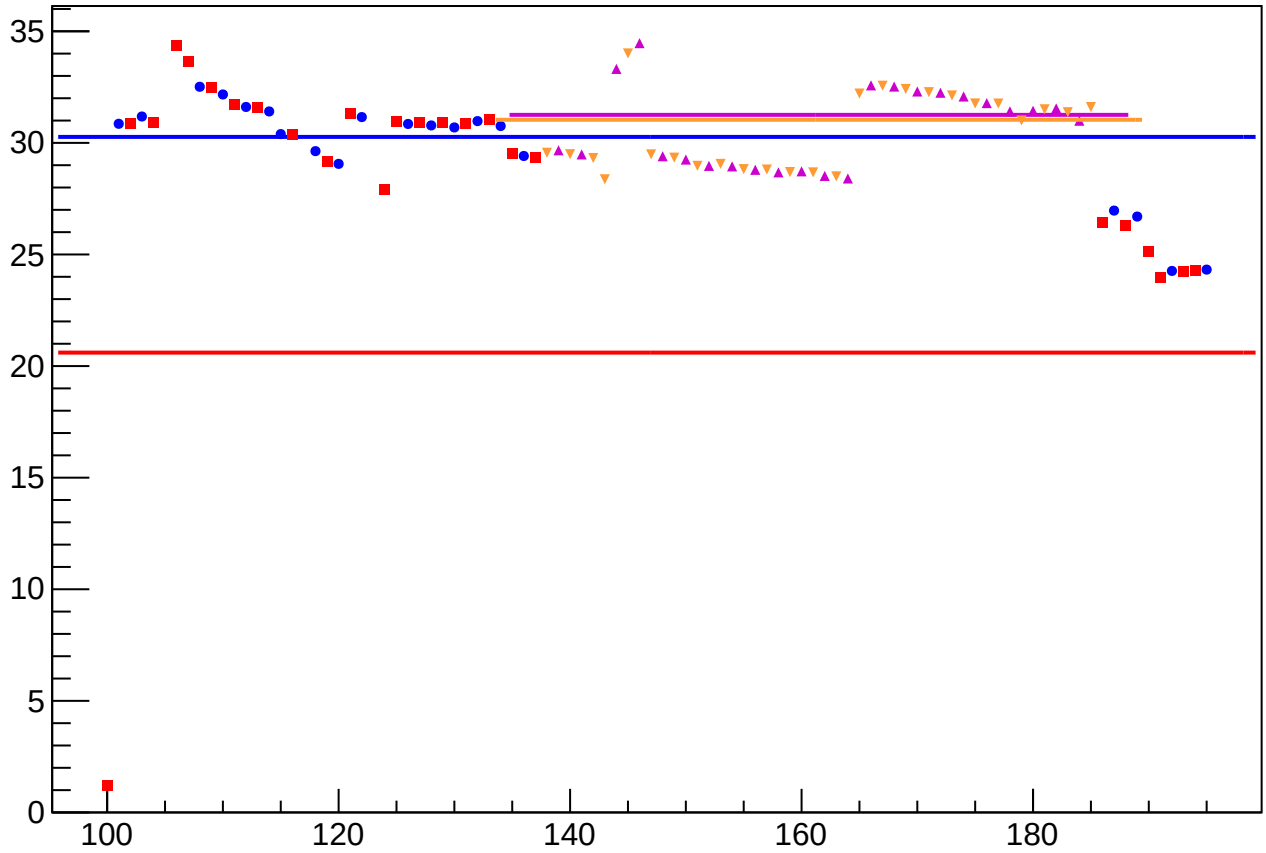
Right: 0.149+/-0.000 χ^2/NDF: 7449744.8/44

In: 0.114+/-0.000 χ^2/NDF:4952062.0/42

Out: 0.116+/-0.000 χ^2/NDF:6084441.7/49

All: 0.115+/-0.000 χ^2/NDF: 11043391.0/92

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.268+/-0.000 χ^2/NDF: 2001779227.7/19

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.604+/-0.000 χ^2/NDF: 223511238654.1/24

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

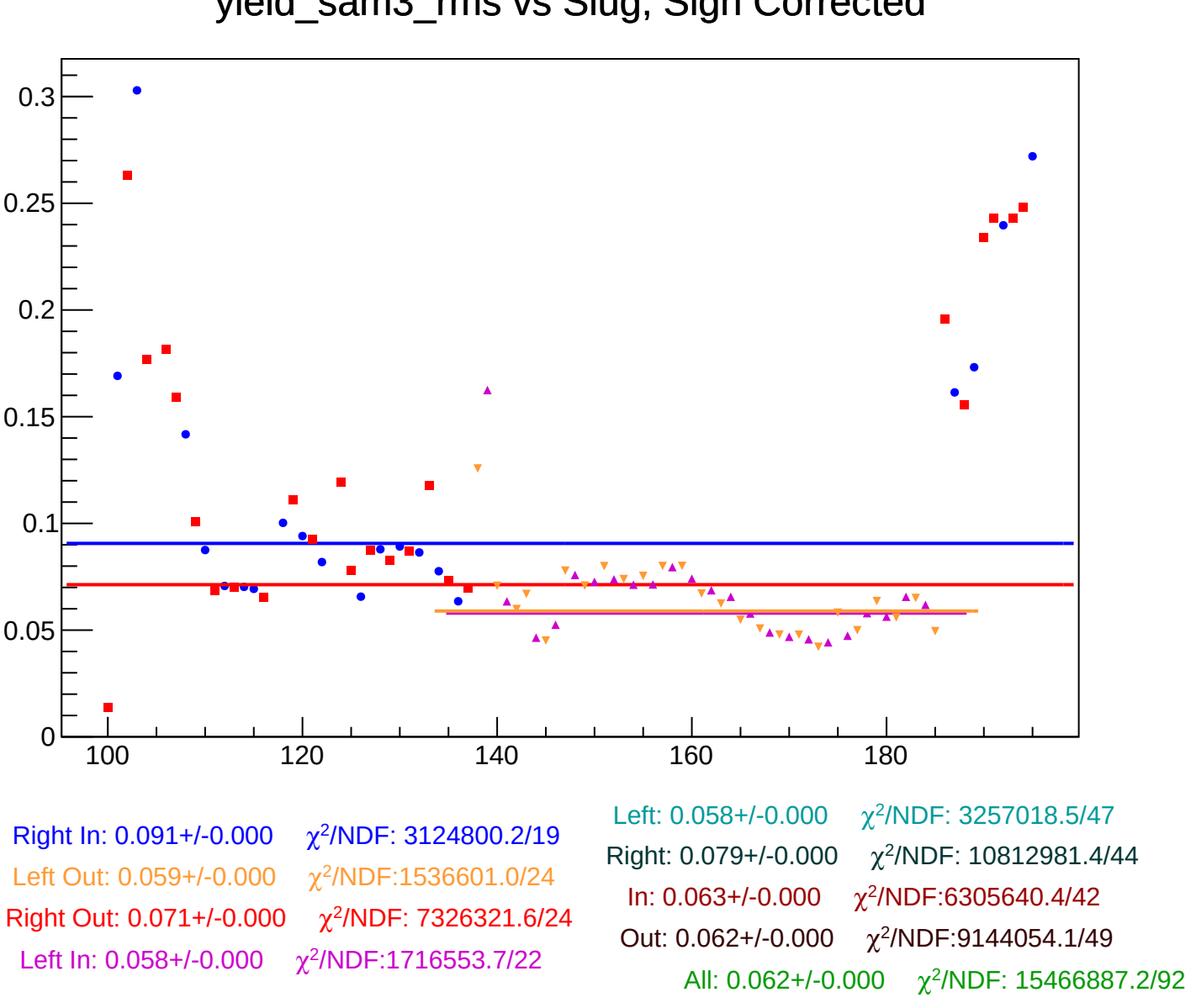
Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

Right: 24.591+/-0.000 χ^2/NDF: 270726864503.7/44

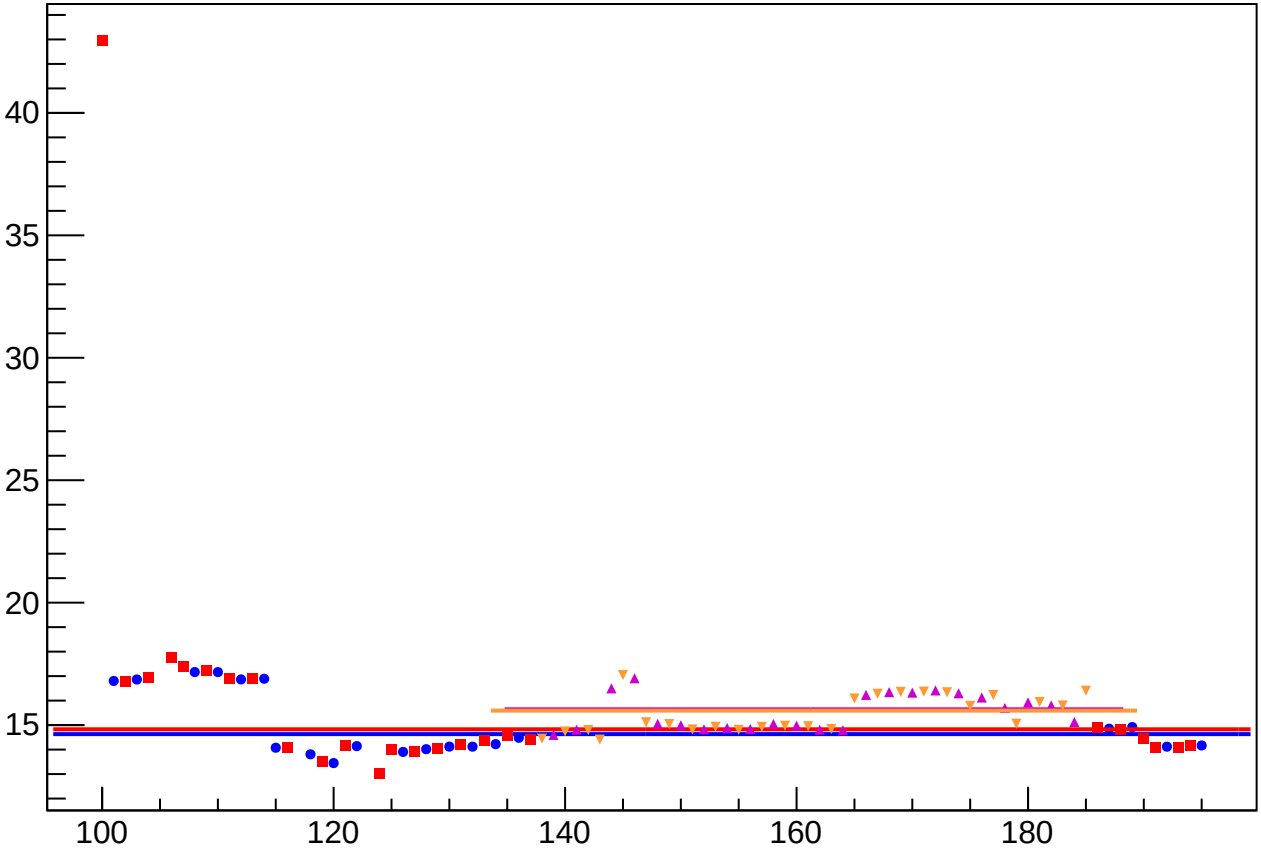
In: 31.091+/-0.000 χ^2/NDF:15261937033.5/42

Out: 28.792+/-0.000 χ^2/NDF:335618069184.7/49

All: 29.886+/-0.000 χ^2/NDF: 364601014773.


yield_sam3_rms vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.091+/-0.000 χ²/NDF: 3124800.2/19
Left Out: 0.059+/-0.000 χ²/NDF:1536601.0/24
Right Out: 0.071+/-0.000 χ²/NDF: 7326321.6/24
Left In: 0.058+/-0.000 χ²/NDF:1716553.7/22
Left: 0.058+/-0.000 χ²/NDF: 3257018.5/47
Right: 0.079+/-0.000 χ²/NDF: 10812981.4/44
In: 0.063+/-0.000 χ²/NDF:6305640.4/42
Out: 0.062+/-0.000 χ²/NDF:9144054.1/49
All: 0.062+/-0.000 χ²/NDF: 15466887.2/92

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.631+/-0.000 χ^2/NDF: 1204447340.1/19

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.829+/-0.000 χ^2/NDF: 1753621417.9/24

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

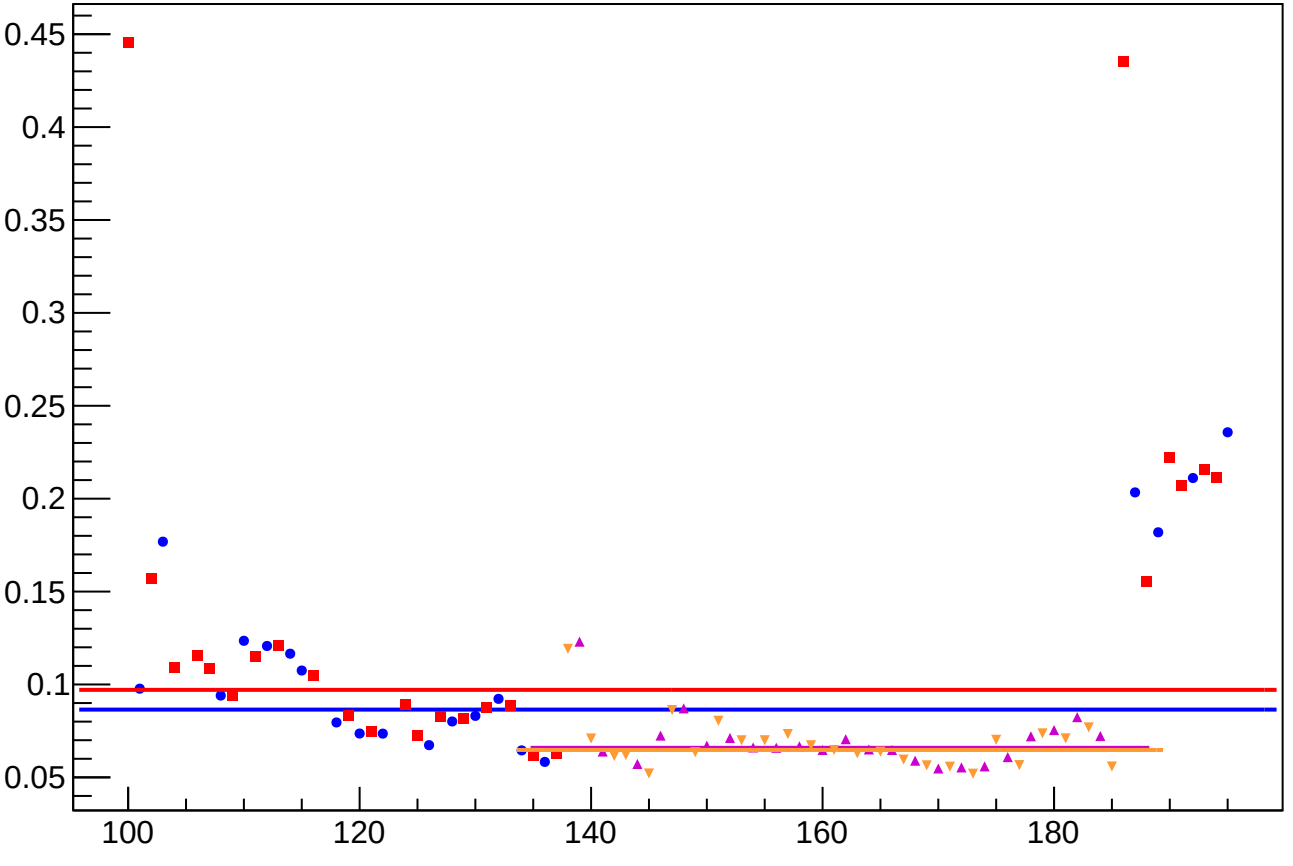
Right: 14.725+/-0.000 χ^2/NDF: 2976616931.8/44

In: 15.424+/-0.000 χ^2/NDF:3862698882.9/42

Out: 15.447+/-0.000 χ^2/NDF:4440256223.9/49

All: 15.436+/-0.000 χ^2/NDF: 8304185238.4/9

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 2754348.8/19

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.097+/-0.000 χ^2/NDF: 3045751.0/24

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

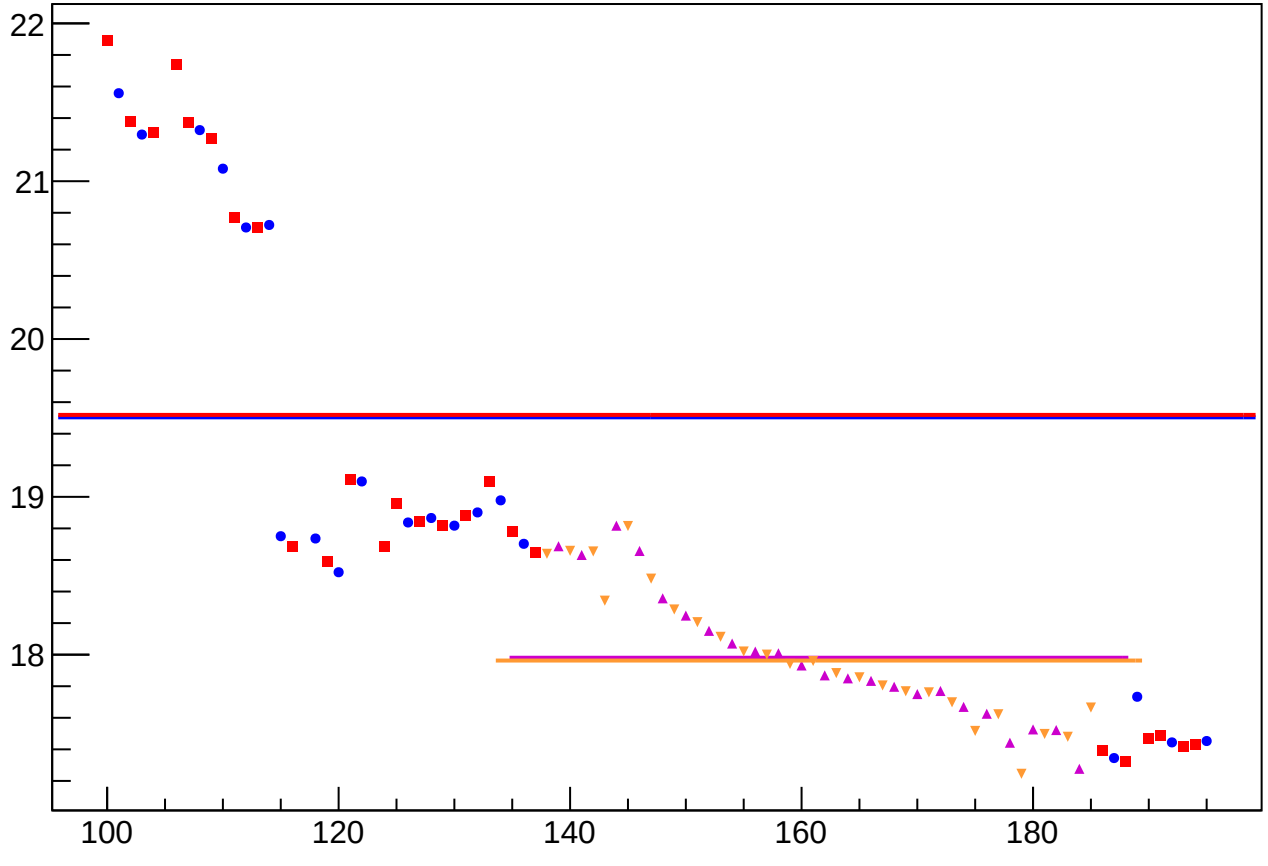
Right: 0.092+/-0.000 χ^2/NDF: 5907402.2/44

In: 0.070+/-0.000 χ^2/NDF:4202153.9/42

Out: 0.071+/-0.000 χ^2/NDF:5446165.5/49

All: 0.071+/-0.000 χ^2/NDF: 9649462.5/92

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.504+/-0.000 χ^2/NDF: 19028145804.9/19

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.519+/-0.000 χ^2/NDF: 22231864761.0/24

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

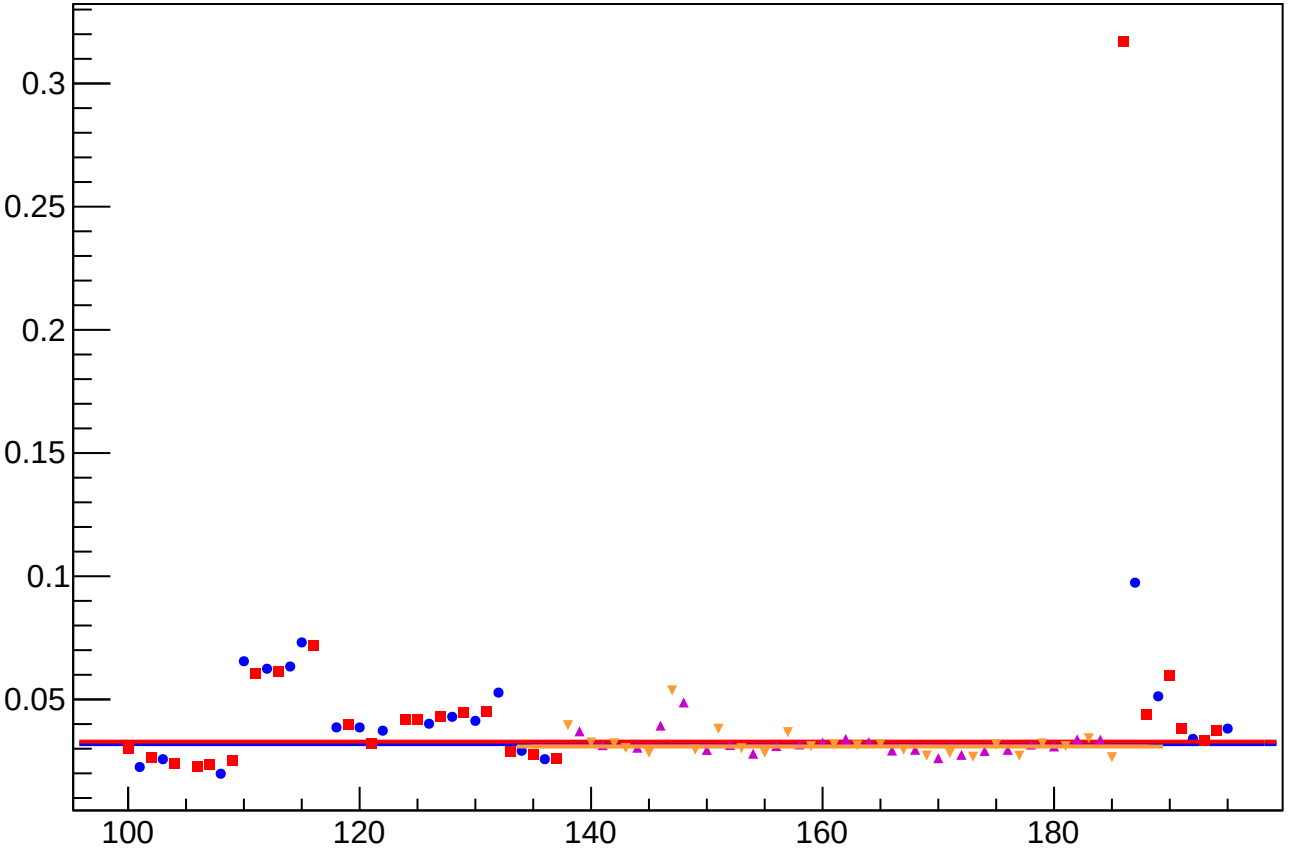
Right: 19.512+/-0.000 χ^2/NDF: 41260991170.6/44

In: 18.455+/-0.000 χ^2/NDF:34677098940.2/42

Out: 18.442+/-0.000 χ^2/NDF:39594755187.5/49

All: 18.449+/-0.000 χ^2/NDF: 74274129127.4

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 1835894.5/19

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.033+/-0.000 χ^2/NDF: 2151014.7/24

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

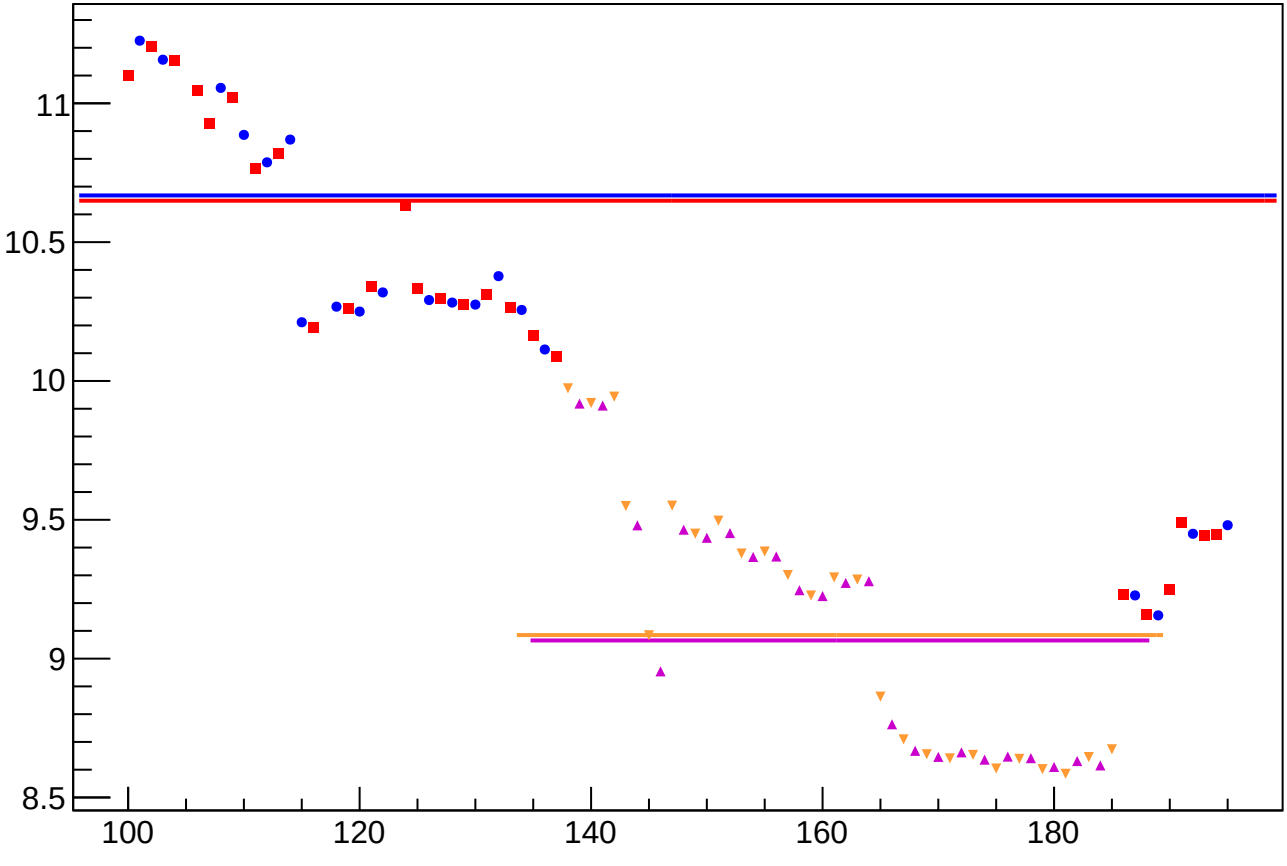
Right: 0.032+/-0.000 χ^2/NDF: 3995319.3/44

In: 0.031+/-0.000 χ^2/NDF:2324710.7/42

Out: 0.032+/-0.000 χ^2/NDF:2830893.0/49

All: 0.031+/-0.000 χ^2/NDF: 5156103.5/92

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.668+/-0.000 χ^2/NDF: 8350217855.7/19

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.649+/-0.000 χ^2/NDF: 8118269951.2/24

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

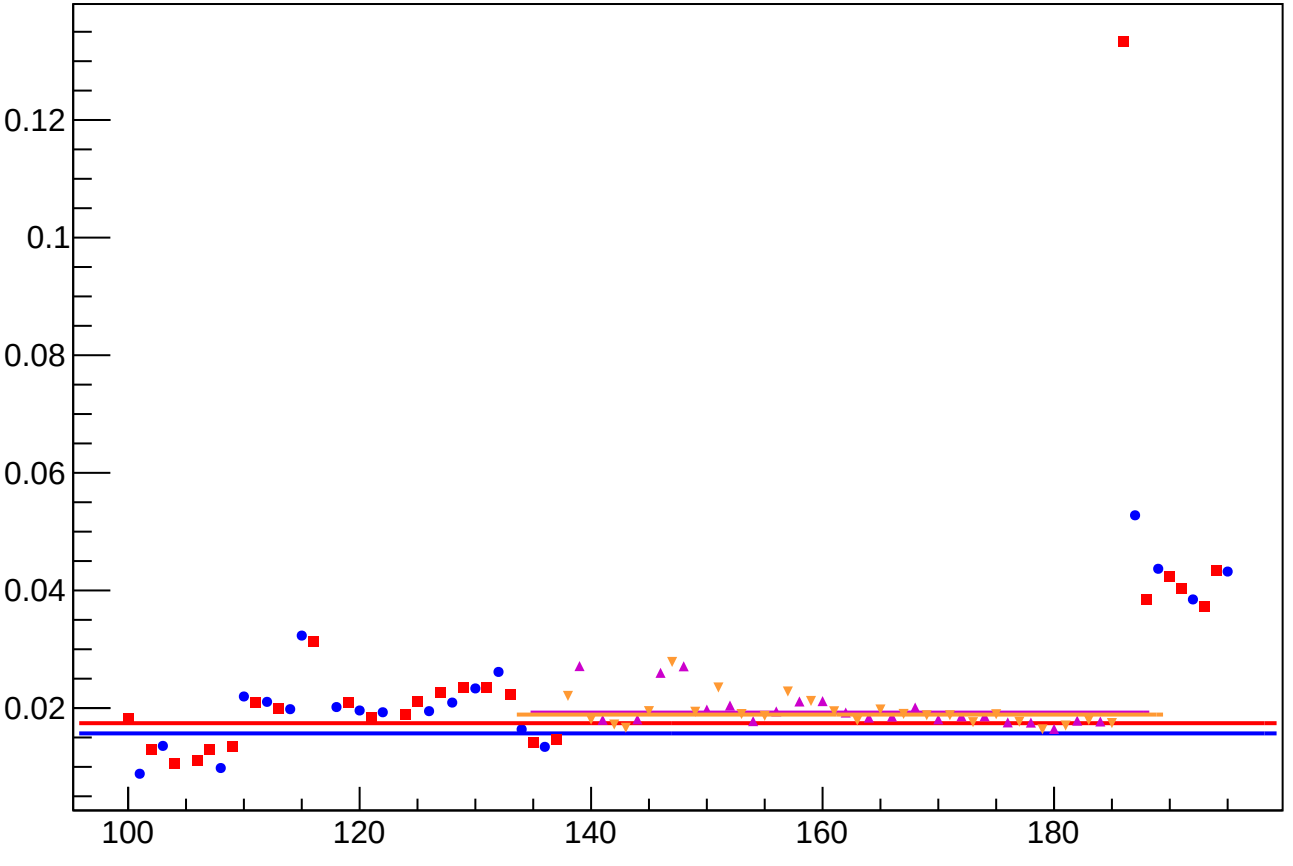
Right: 10.659+/-0.000 χ^2/NDF: 16473614776.1/44

In: 9.696+/-0.000 χ^2/NDF:61683569070.2/42

Out: 9.646+/-0.000 χ^2/NDF:61540401504.8/49

All: 9.670+/-0.000 χ^2/NDF: 123320237126.2

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 3537662.4/19

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.017+/-0.000 χ^2/NDF: 3867192.8/24

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

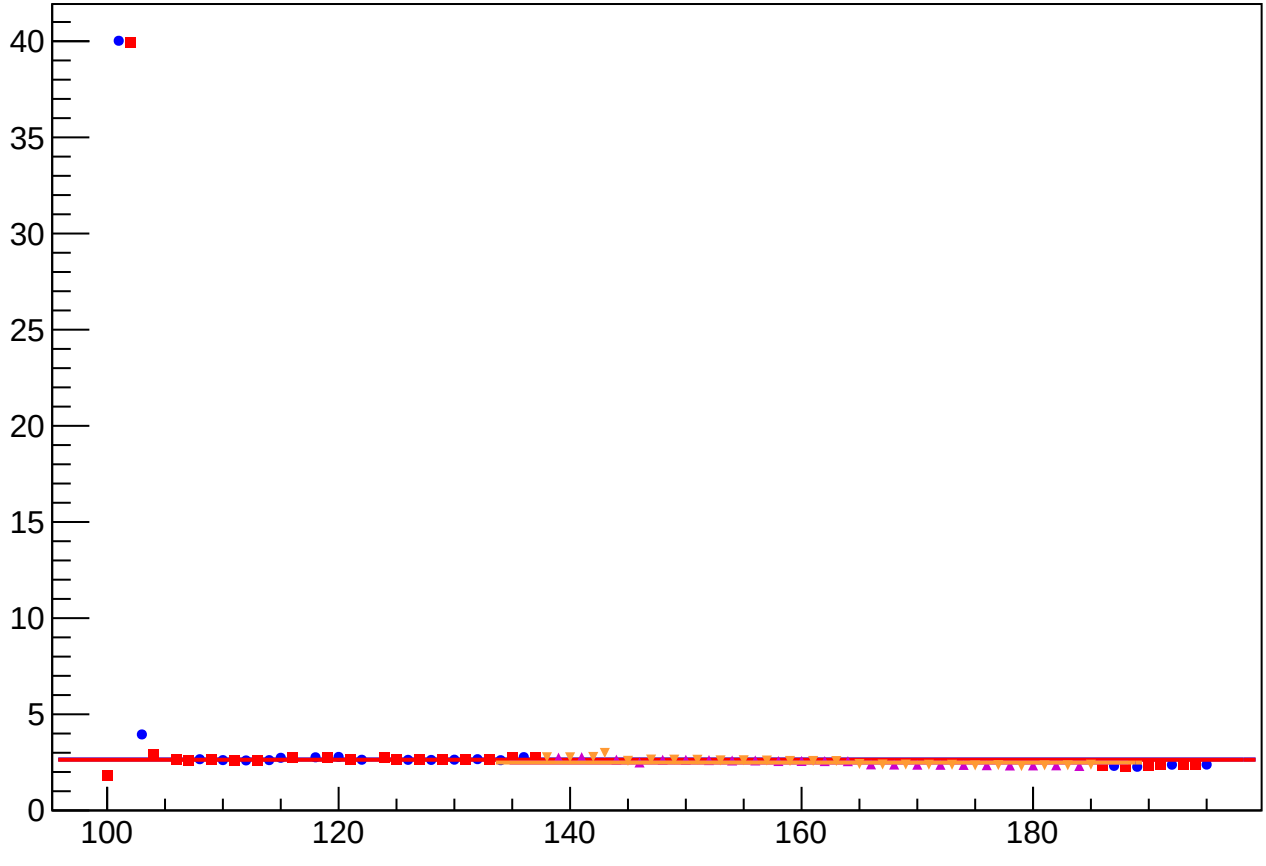
Right: 0.017+/-0.000 χ^2/NDF: 7490169.4/44

In: 0.018+/-0.000 χ^2/NDF:4519594.0/42

Out: 0.018+/-0.000 χ^2/NDF:4384216.7/49

All: 0.018+/-0.000 χ^2/NDF: 8924999.7/92

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.652+/-0.000 χ^2/NDF: 73522402747.6/19

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.636+/-0.000 χ^2/NDF: 74311773063.6/24

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

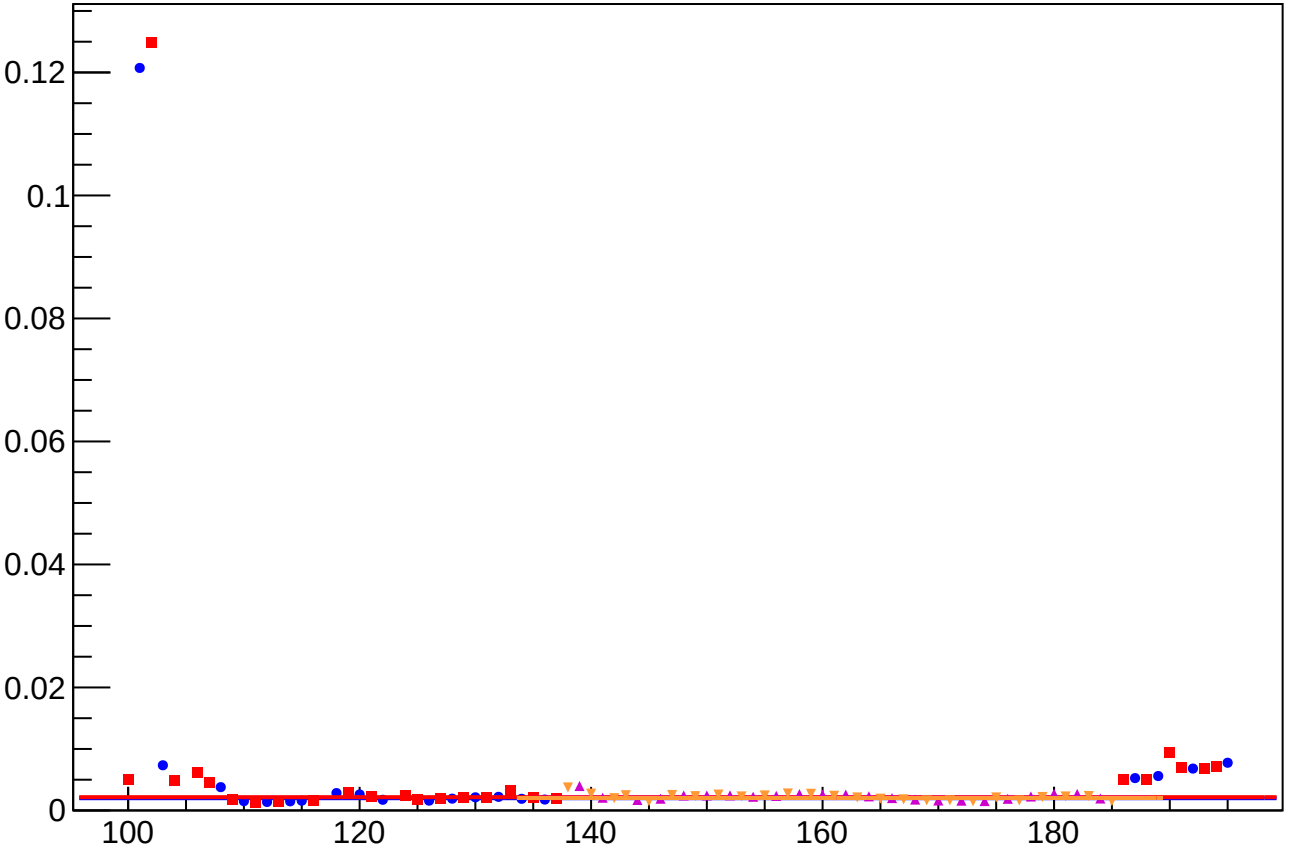
Right: 2.644+/-0.000 χ^2/NDF: 148016560332.7/44

In: 2.538+/-0.000 χ^2/NDF:162535471225.3/42

Out: 2.532+/-0.000 χ^2/NDF:189167860312.1/49

All: 2.535+/-0.000 χ^2/NDF: 351785377919.2

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4338353.3/19

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5766753.6/24

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

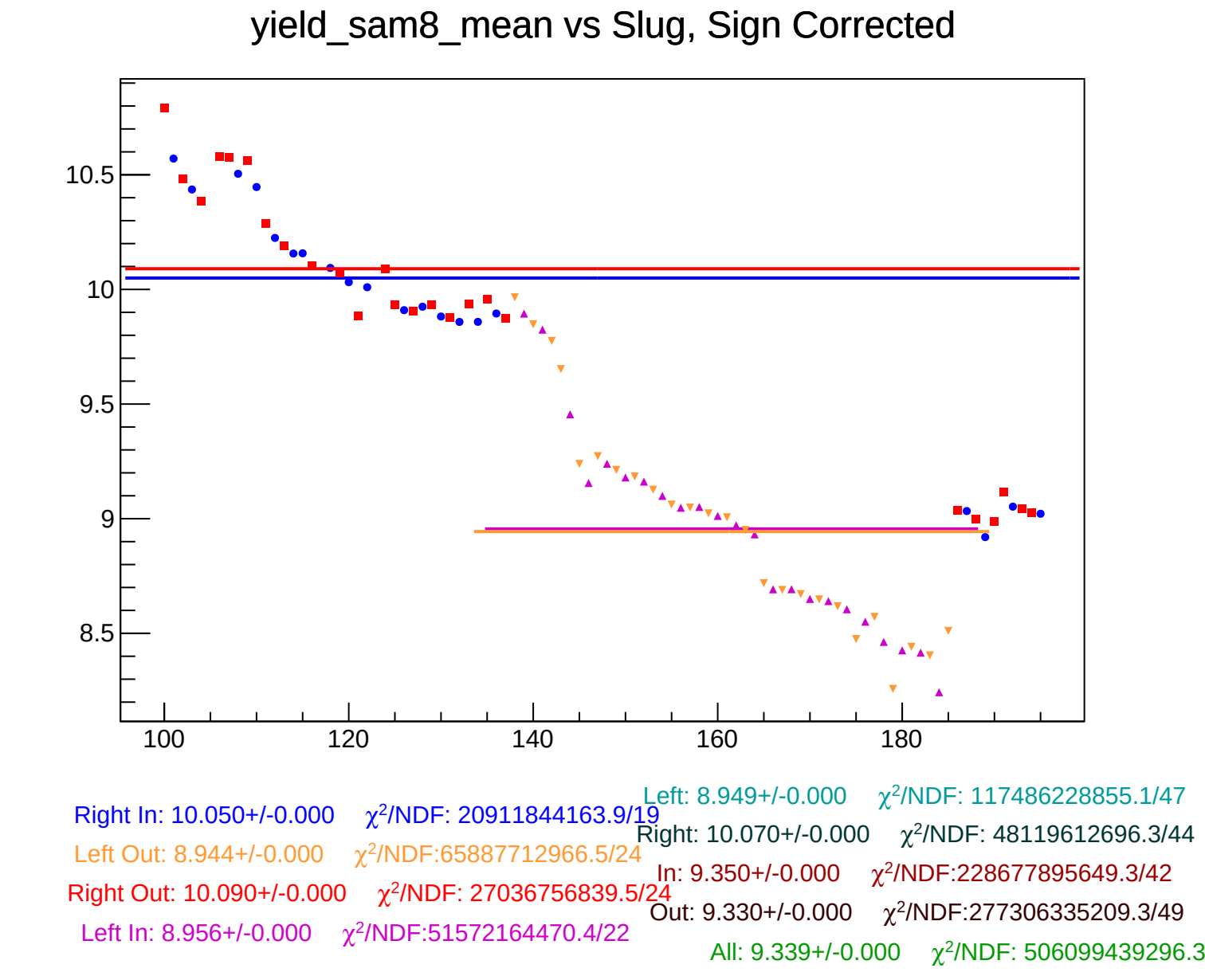
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.002+/-0.000 χ^2/NDF: 10146868.8/44

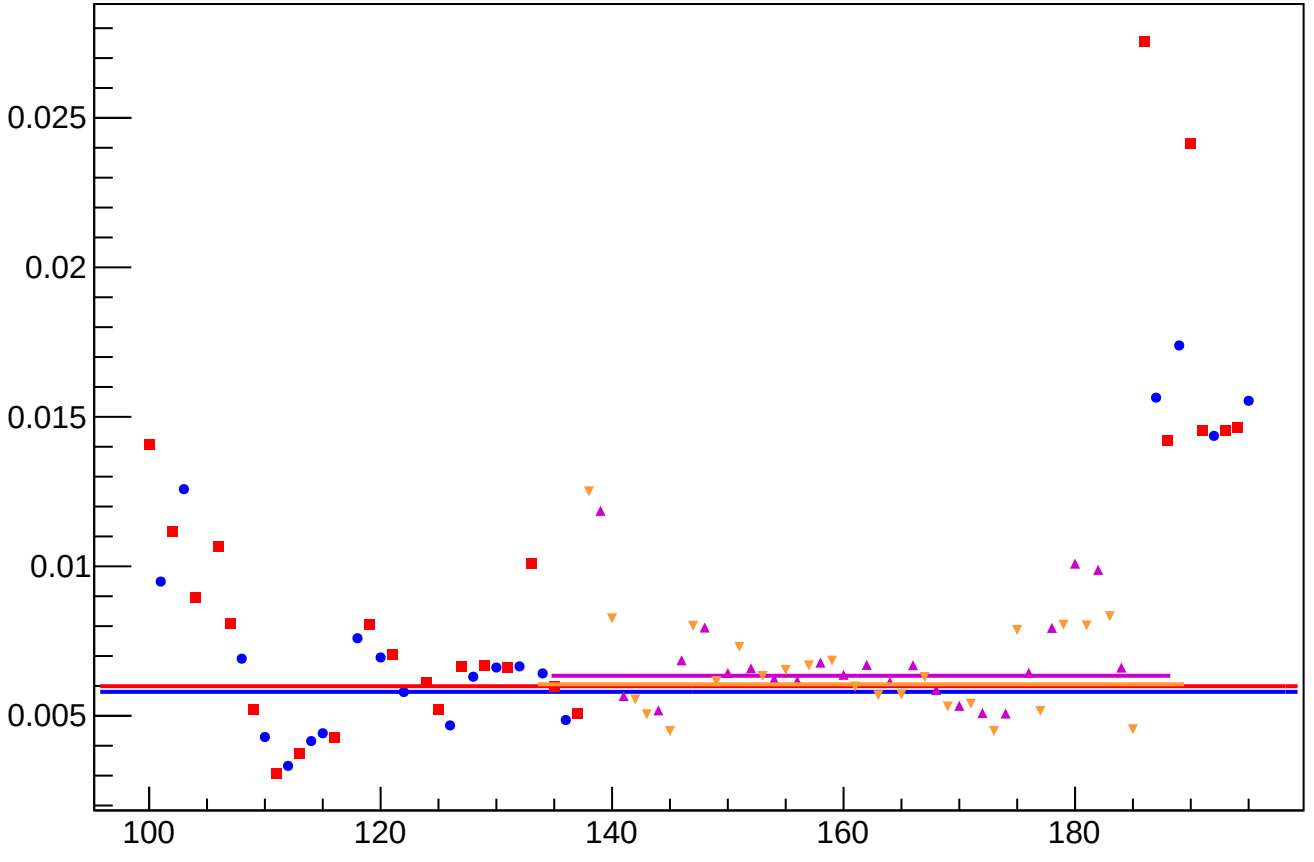
In: 0.002+/-0.000 χ^2/NDF:5752102.4/42

Out: 0.002+/-0.000 χ^2/NDF:7362126.4/49

All: 0.002+/-0.000 χ^2/NDF: 13116067.5/92


yield_sam8_mean vs Slug, Sign Corrected
10.5
10
9.5
9
8.5
100
120
140
160
180
Right In: 10.050+/-0.000 χ²/NDF: 20911844163.9/19
Left Out: 8.944+/-0.000 χ²/NDF:65887712966.5/24
Right Out: 10.090+/-0.000 χ²/NDF: 27036756839.5/24
Left In: 8.956+/-0.000 χ²/NDF:51572164470.4/22
Left: 8.949+/-0.000 χ²/NDF: 117486228855.1/47
Right: 10.070+/-0.000 χ²/NDF: 48119612696.3/44
In: 9.350+/-0.000 χ²/NDF:228677895649.3/42
Out: 9.330+/-0.000 χ²/NDF:277306335209.3/49
All: 9.339+/-0.000 χ²/NDF: 506099439296.3

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 3305055.5/19

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 4801256.0/24

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

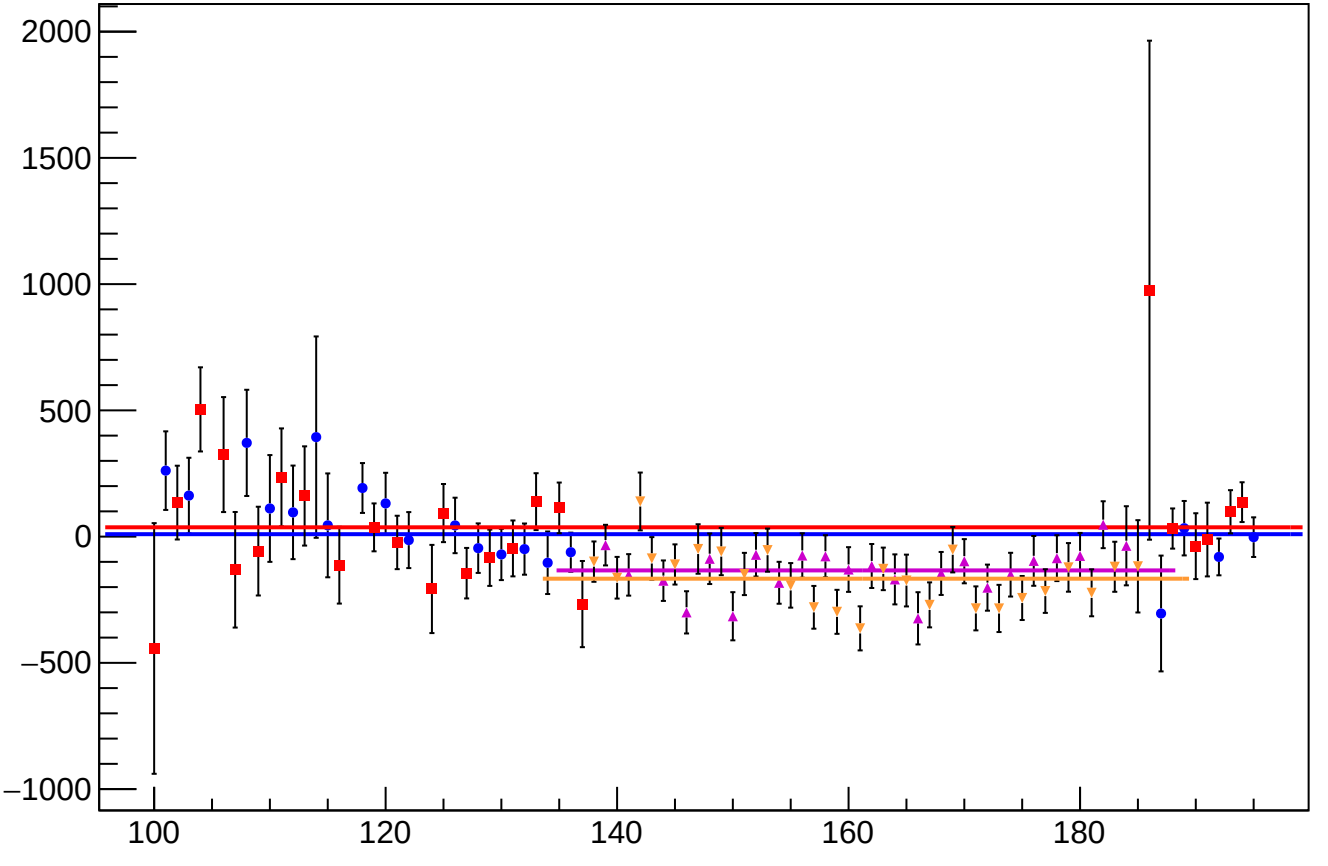
Right: 0.006+/-0.000 χ^2/NDF: 8113652.9/44

In: 0.006+/-0.000 χ^2/NDF:4555713.3/42

Out: 0.006+/-0.000 χ^2/NDF:6263415.7/49

All: 0.006+/-0.000 χ^2/NDF: 10826818.3/92

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 9.620+/-25.727 χ^2/NDF: 19.0/19

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 36.876+/-25.009 χ^2/NDF: 29.7/24

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

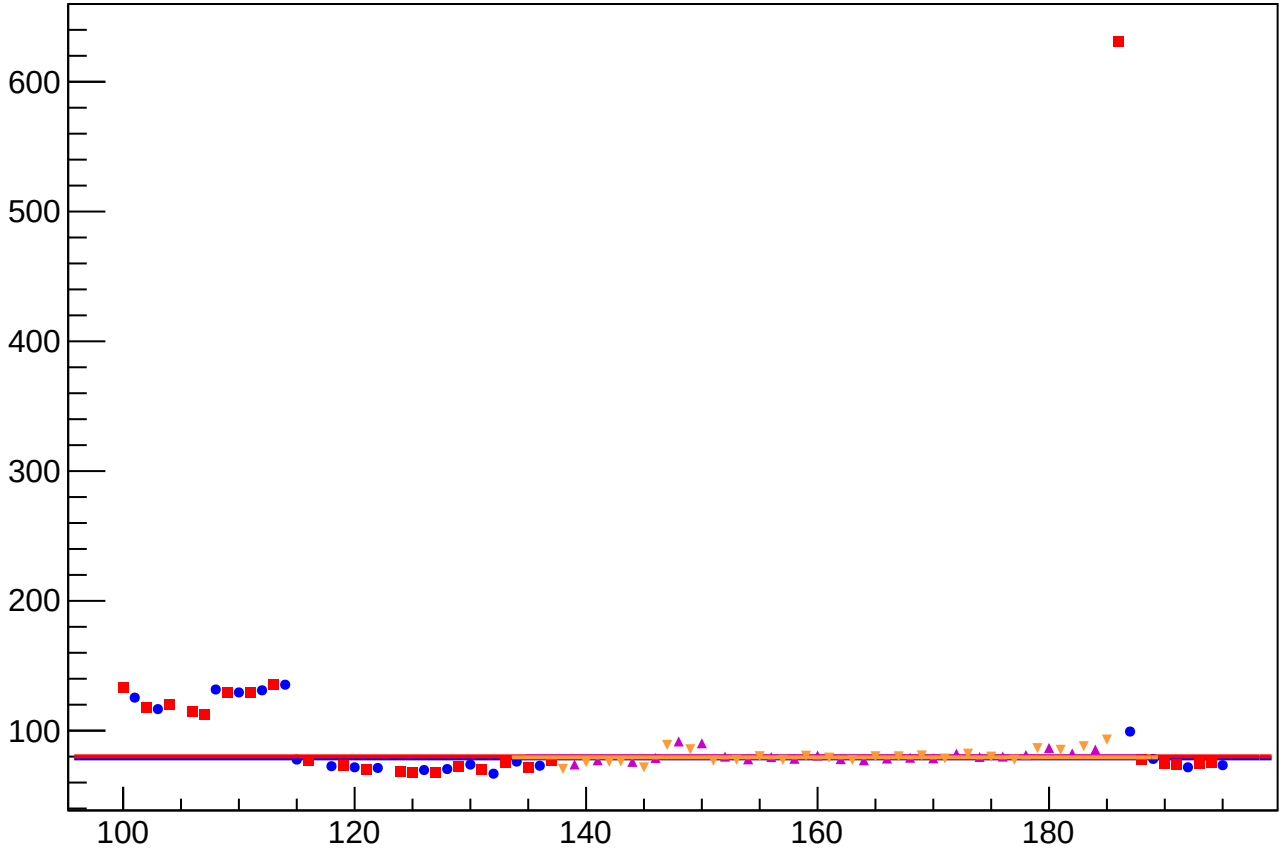
Right: 23.633+/-17.933 χ^2/NDF: 49.3/44

In: -84.056+/-15.156 χ^2/NDF:60.1/42

Out: -96.814+/-14.652 χ^2/NDF:104.8/49

All: -90.651+/-10.534 χ^2/NDF: 165.3/92

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 78.650+/-0.018 χ^2/NDF: 889268.9/19

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 80.192+/-0.018 χ^2/NDF: 1583458.5/24

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

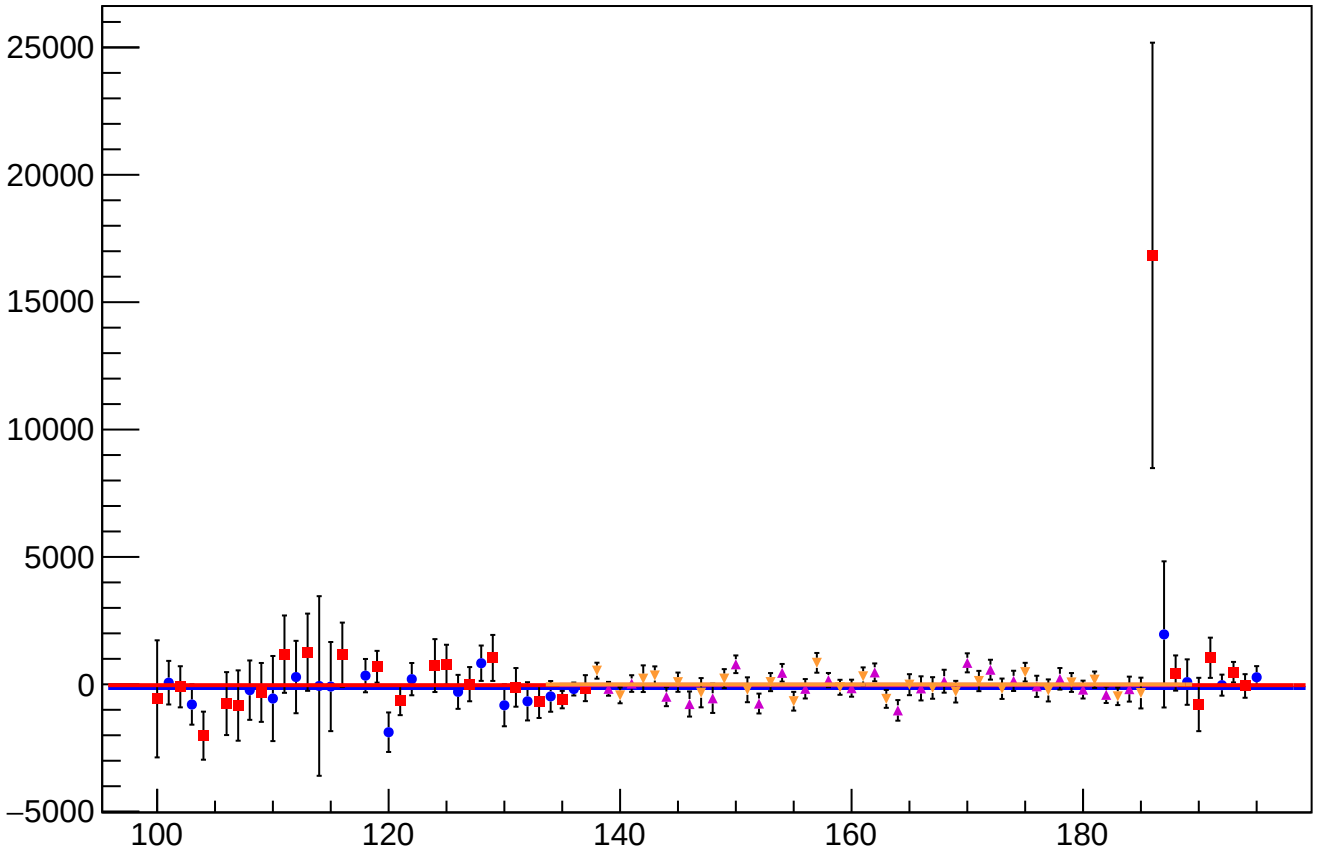
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 79.443+/-0.013 χ^2/NDF: 2476419.7/44

In: 79.636+/-0.011 χ^2/NDF:985235.6/42

Out: 79.679+/-0.010 χ^2/NDF:1719537.8/49

All: 79.658+/-0.007 χ^2/NDF: 2704781.4/92



Right In: -144.053+/-141.744 χ^2/NDF: 11.9/19

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -33.487+/-141.574 χ^2/NDF: 25.3/24

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

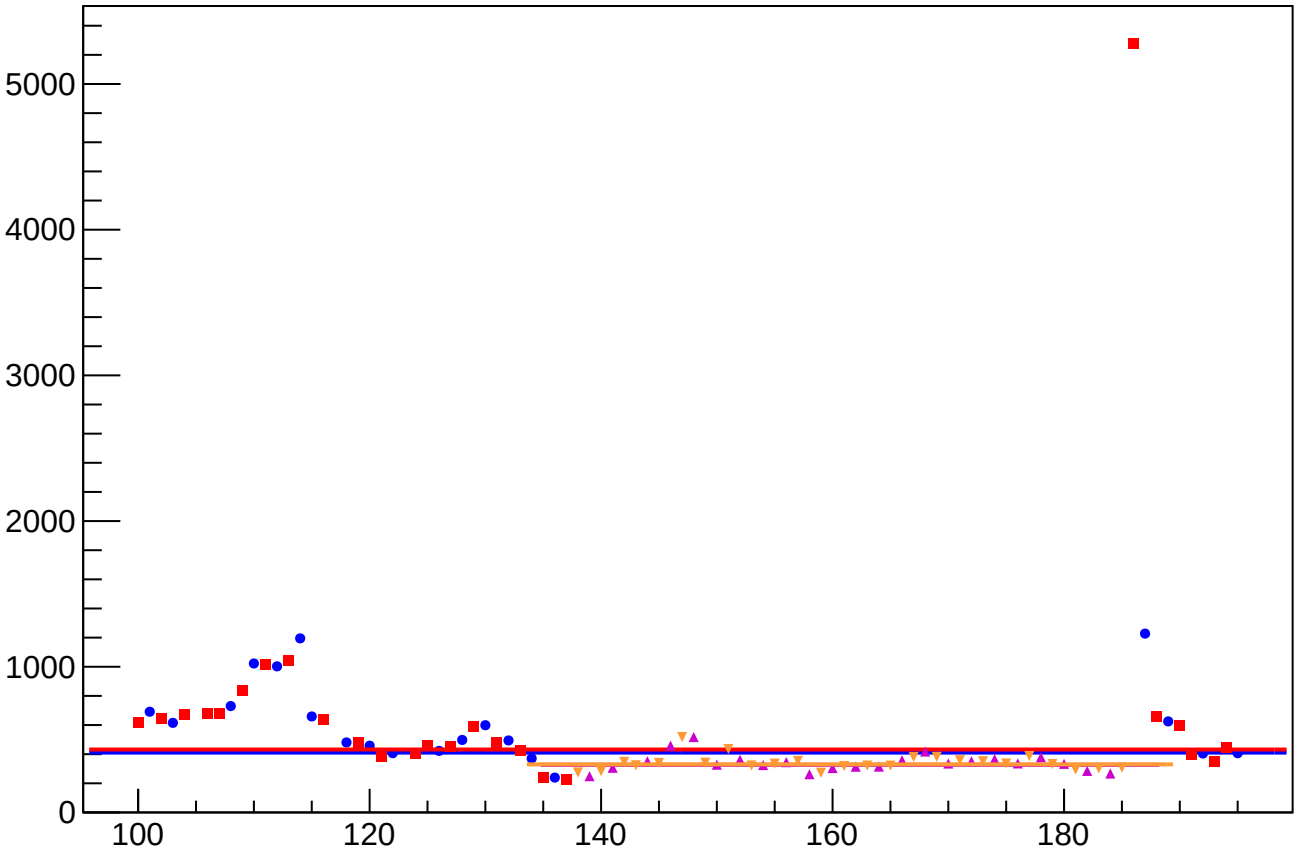
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -88.703+/-100.168 χ^2/NDF: 37.5/44

In: -48.033+/-68.027 χ^2/NDF:47.5/42

Out: -10.169+/-66.868 χ^2/NDF:49.4/49

All: -28.776+/-47.687 χ^2/NDF: 97.0/92



Right In: 410.941+/-0.100 χ^2/NDF: 2643034.9/19

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 432.067+/-0.100 χ^2/NDF: 3399864.0/24

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

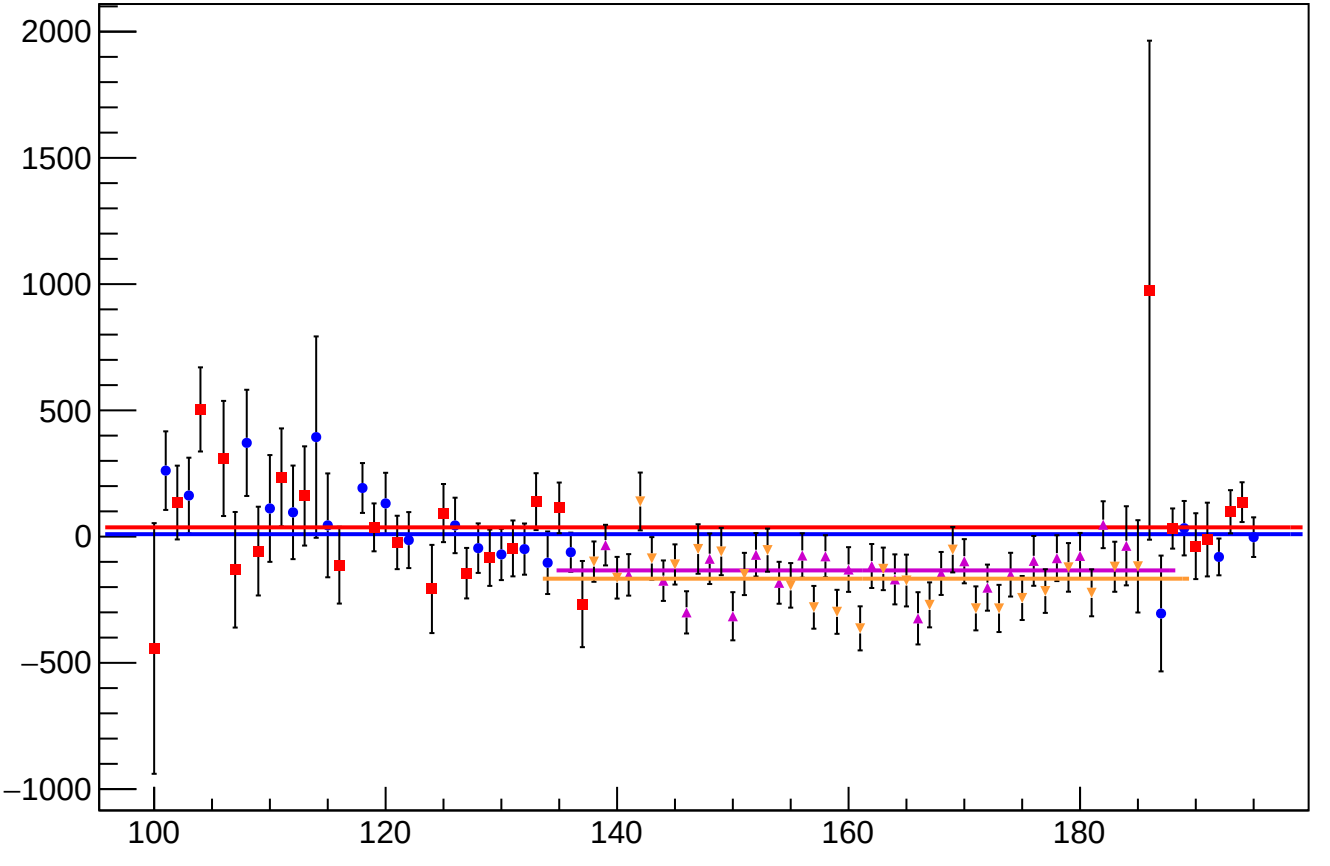
Right: 421.516+/-0.071 χ^2/NDF: 6065139.0/44

In: 346.306+/-0.048 χ^2/NDF:4082684.8/42

Out: 352.744+/-0.047 χ^2/NDF:4867235.3/49

All: 349.580+/-0.034 χ^2/NDF: 8959031.3/92

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 9.627+/-25.727 χ^2/NDF: 19.1/19

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 36.683+/-25.010 χ^2/NDF: 29.5/24

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

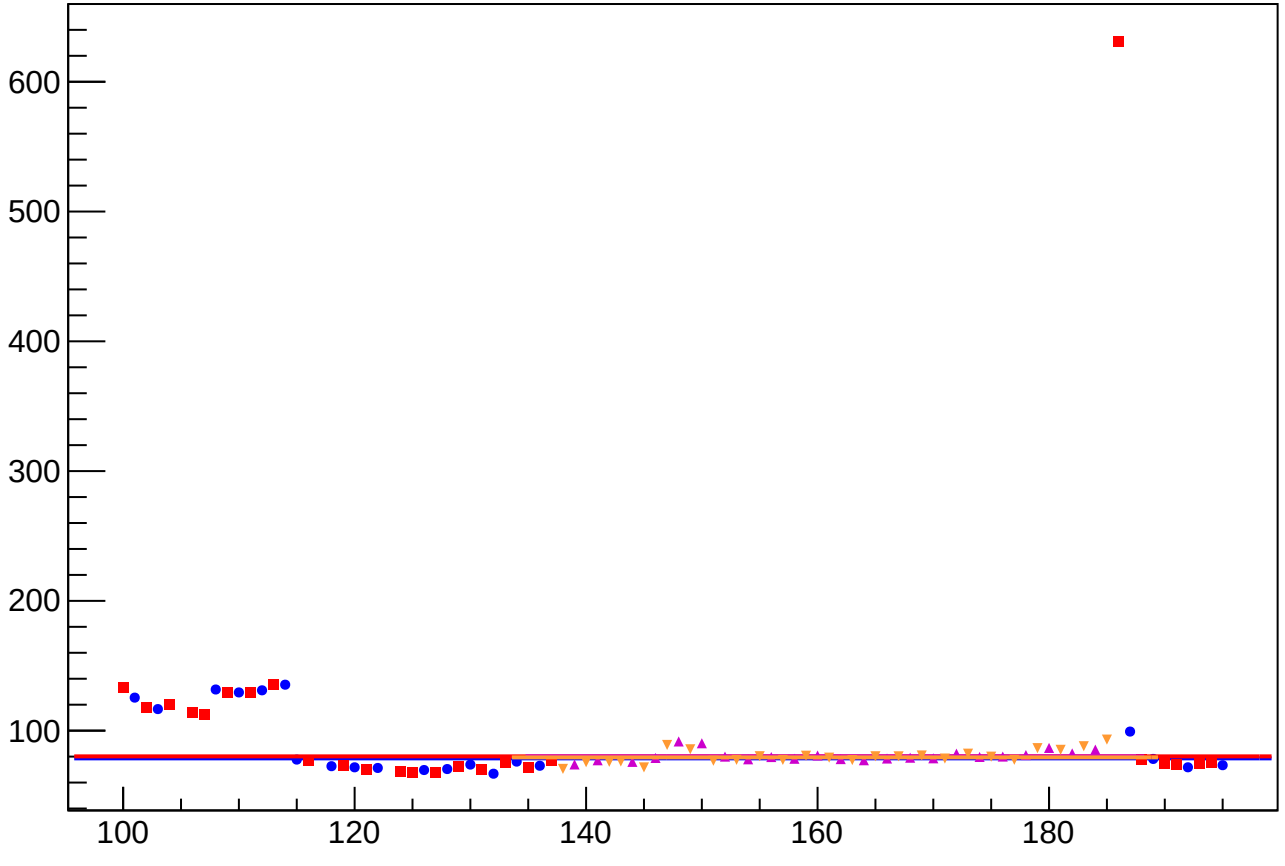
Right: 23.538+/-17.933 χ^2/NDF: 49.1/44

In: -84.058+/-15.156 χ^2/NDF:60.1/42

Out: -96.881+/-14.652 χ^2/NDF:104.6/49

All: -90.686+/-10.534 χ^2/NDF: 165.0/92

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 78.650+/-0.018 χ^2/NDF: 889269.1/19

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 80.182+/-0.018 χ^2/NDF: 1581474.7/24

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

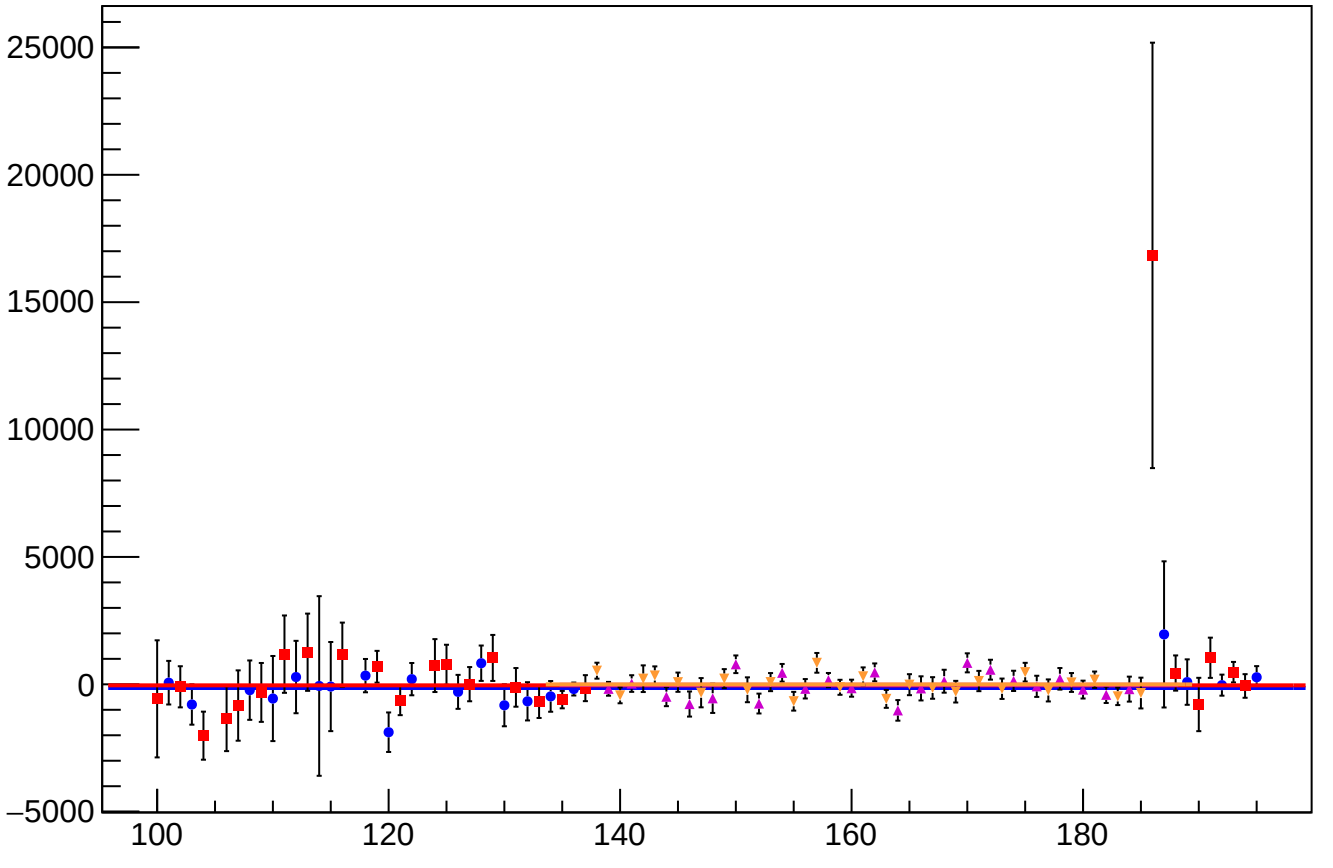
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 79.438+/-0.013 χ^2/NDF: 2474389.1/44

In: 79.636+/-0.011 χ^2/NDF:985235.8/42

Out: 79.675+/-0.010 χ^2/NDF:1717521.9/49

All: 79.656+/-0.007 χ^2/NDF: 2702764.6/92



Right In: -144.051+/-141.744 χ^2/NDF: 11.9/19

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -40.236+/-141.630 χ^2/NDF: 26.0/24

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

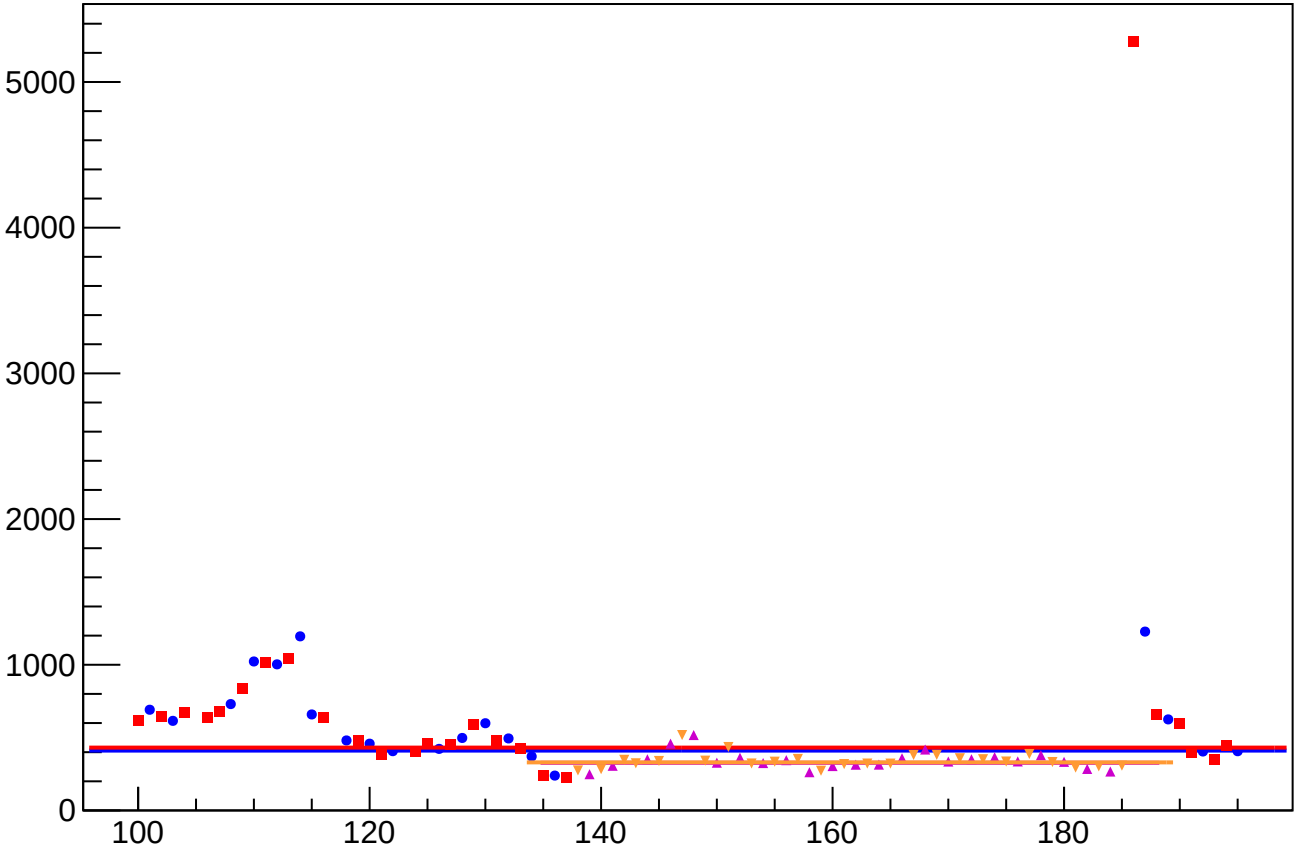
Right: -92.102+/-100.188 χ^2/NDF: 38.2/44

In: -48.038+/-68.027 χ^2/NDF:47.5/42

Out: -11.670+/-66.874 χ^2/NDF:50.1/49

All: -29.543+/-47.689 χ^2/NDF: 97.8/92

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 410.941+/-0.100 χ^2/NDF: 2643029.4/19

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 431.387+/-0.100 χ^2/NDF: 3372947.1/24

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

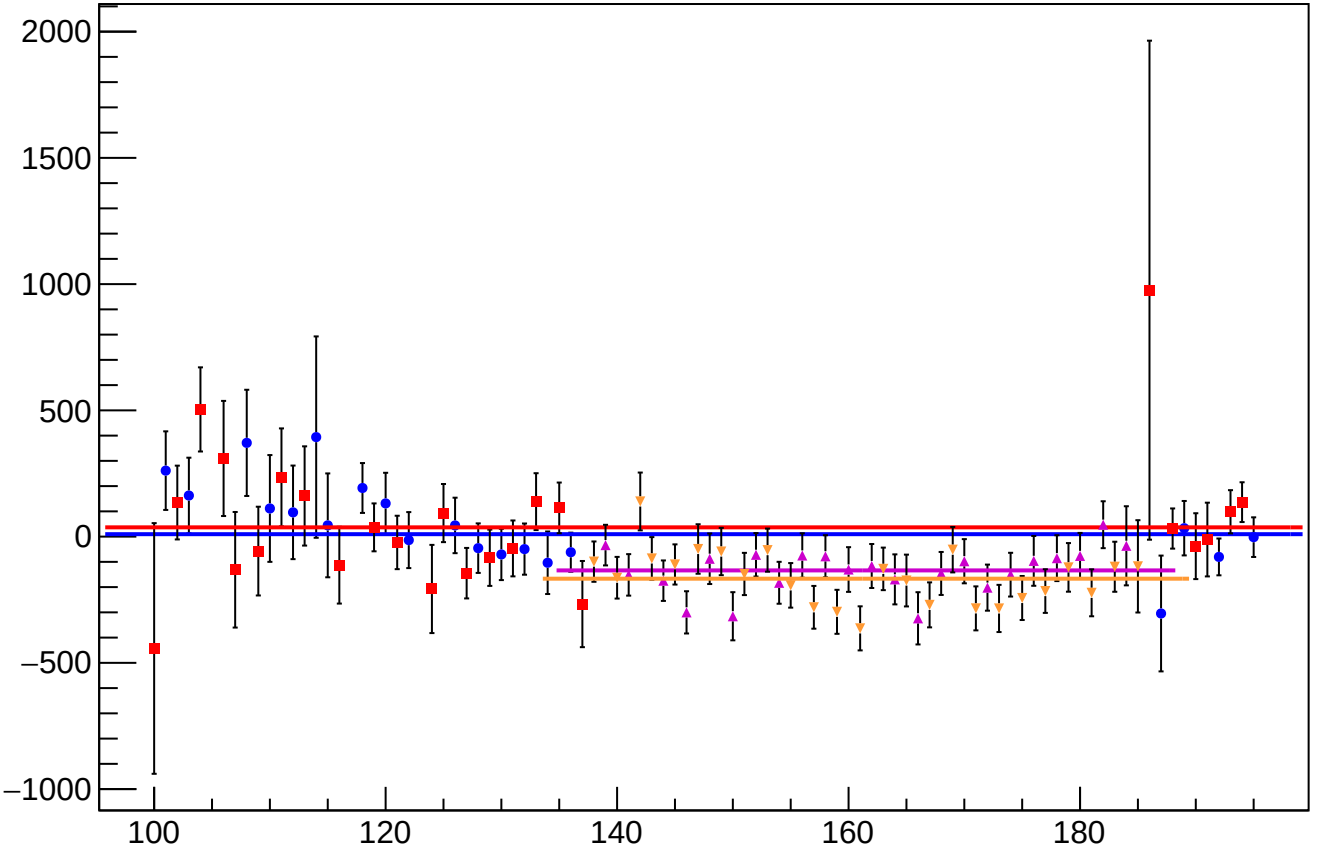
Right: 421.172+/-0.071 χ^2/NDF: 6036800.1/44

In: 346.306+/-0.048 χ^2/NDF:4082684.1/42

Out: 352.579+/-0.047 χ^2/NDF:4829114.7/49

All: 349.496+/-0.034 χ^2/NDF: 8920446.5/92

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 9.627+/-25.727 χ^2/NDF: 19.1/19

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 36.683+/-25.010 χ^2/NDF: 29.5/24

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

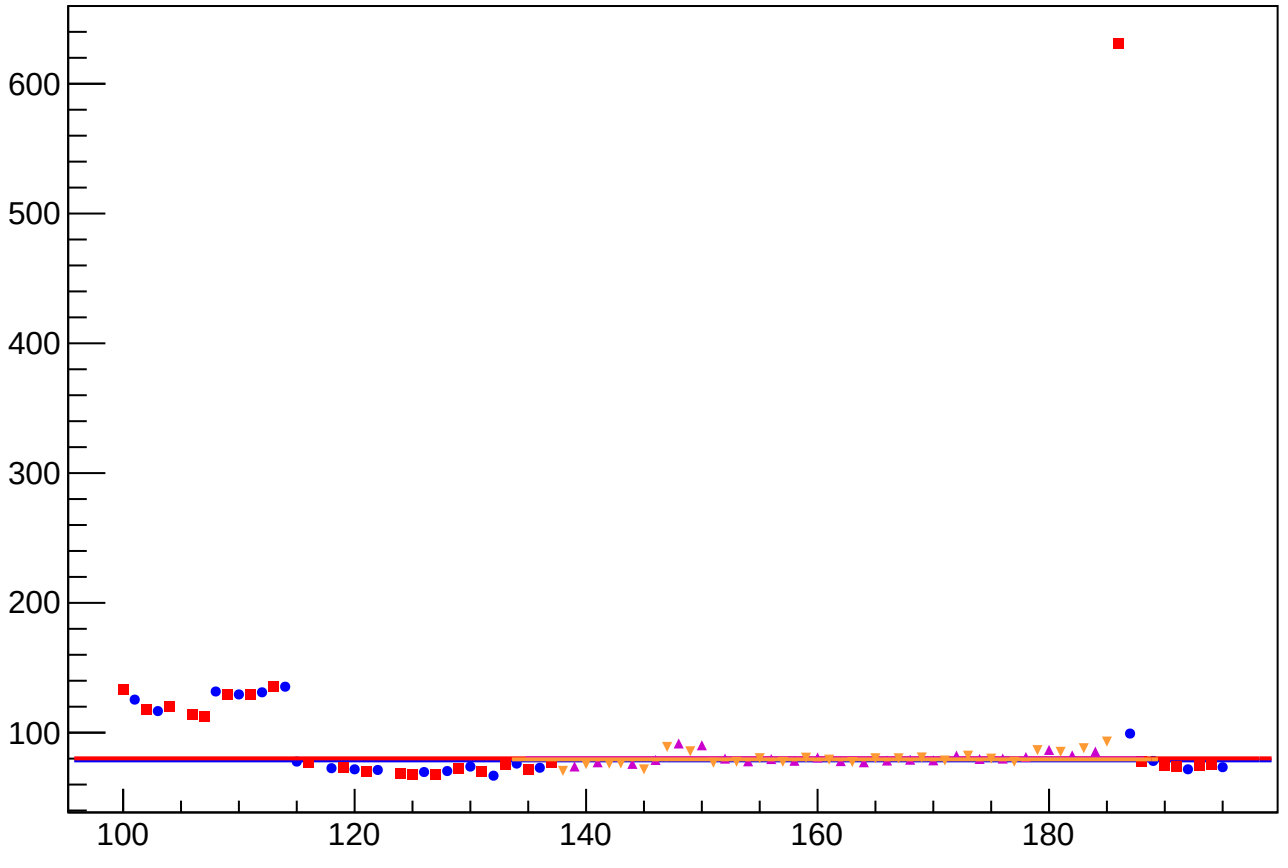
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: 23.538+/-17.933 χ^2/NDF: 49.1/44

In: -84.058+/-15.156 χ^2/NDF:60.1/42

Out: -96.881+/-14.652 χ^2/NDF:104.6/49

All: -90.686+/-10.534 χ^2/NDF: 165.0/92



Right In: 78.650+/-0.018 χ^2/NDF: 889269.1/19

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 80.182+/-0.018 χ^2/NDF: 1581474.7/24

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

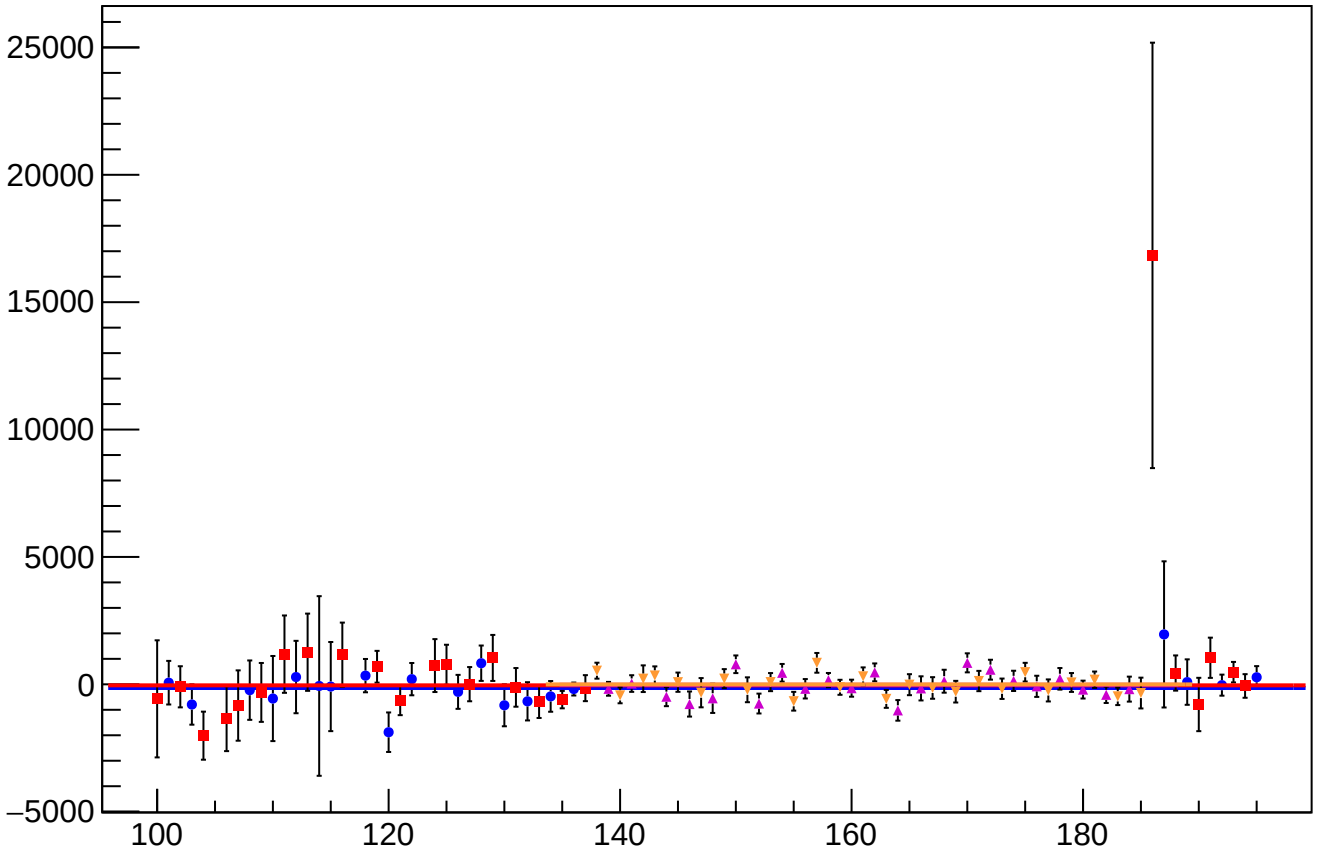
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 79.438+/-0.013 χ^2/NDF: 2474389.1/44

In: 79.636+/-0.011 χ^2/NDF:985235.8/42

Out: 79.675+/-0.010 χ^2/NDF:1717521.9/49

All: 79.656+/-0.007 χ^2/NDF: 2702764.6/92



Right In: -144.051+/-141.744 χ^2/NDF: 11.9/19

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -40.236+/-141.630 χ^2/NDF: 26.0/24

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

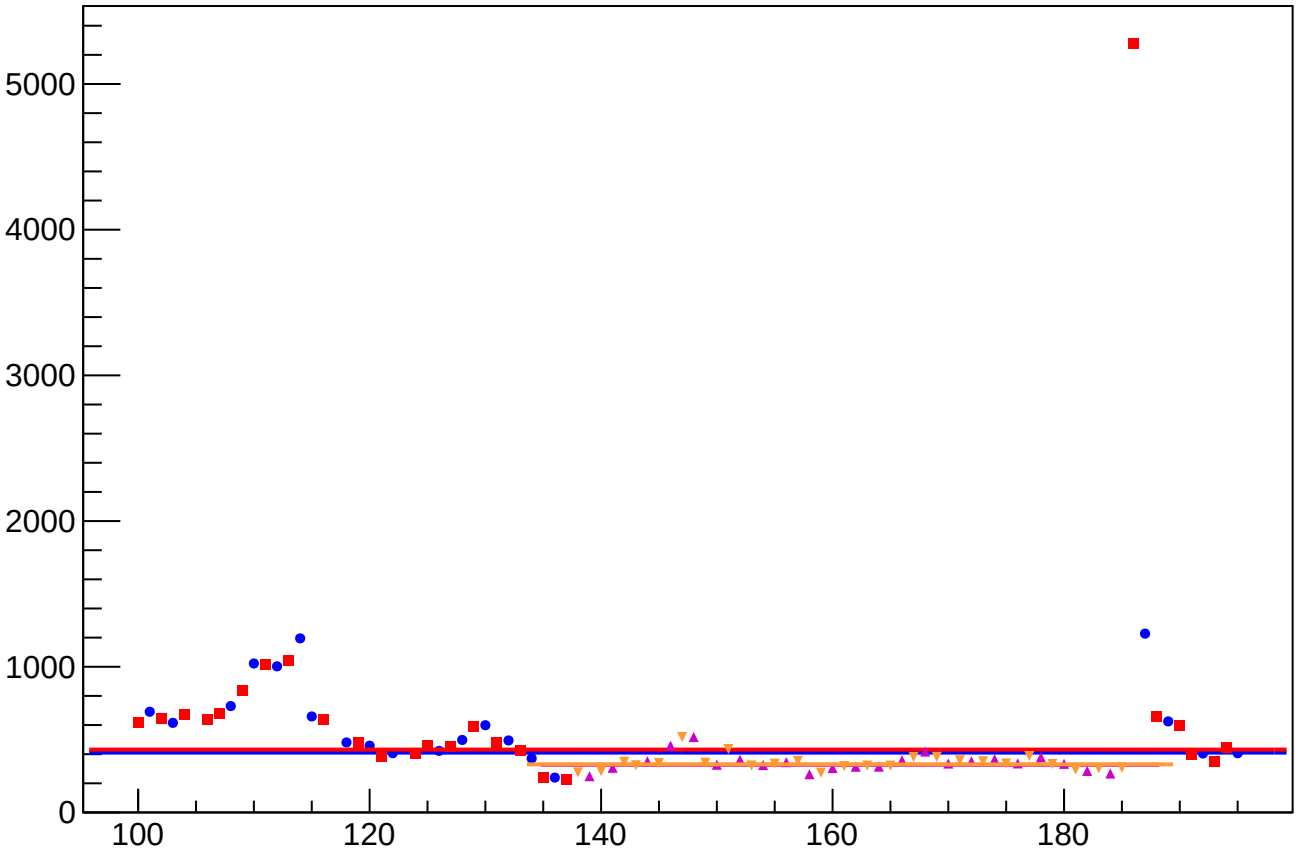
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -92.102+/-100.188 χ^2/NDF: 38.2/44

In: -48.038+/-68.027 χ^2/NDF:47.5/42

Out: -11.670+/-66.874 χ^2/NDF:50.1/49

All: -29.543+/-47.689 χ^2/NDF: 97.8/92



Right In: 410.941+/-0.100 χ^2/NDF: 2643029.4/19

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 431.387+/-0.100 χ^2/NDF: 3372947.1/24

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

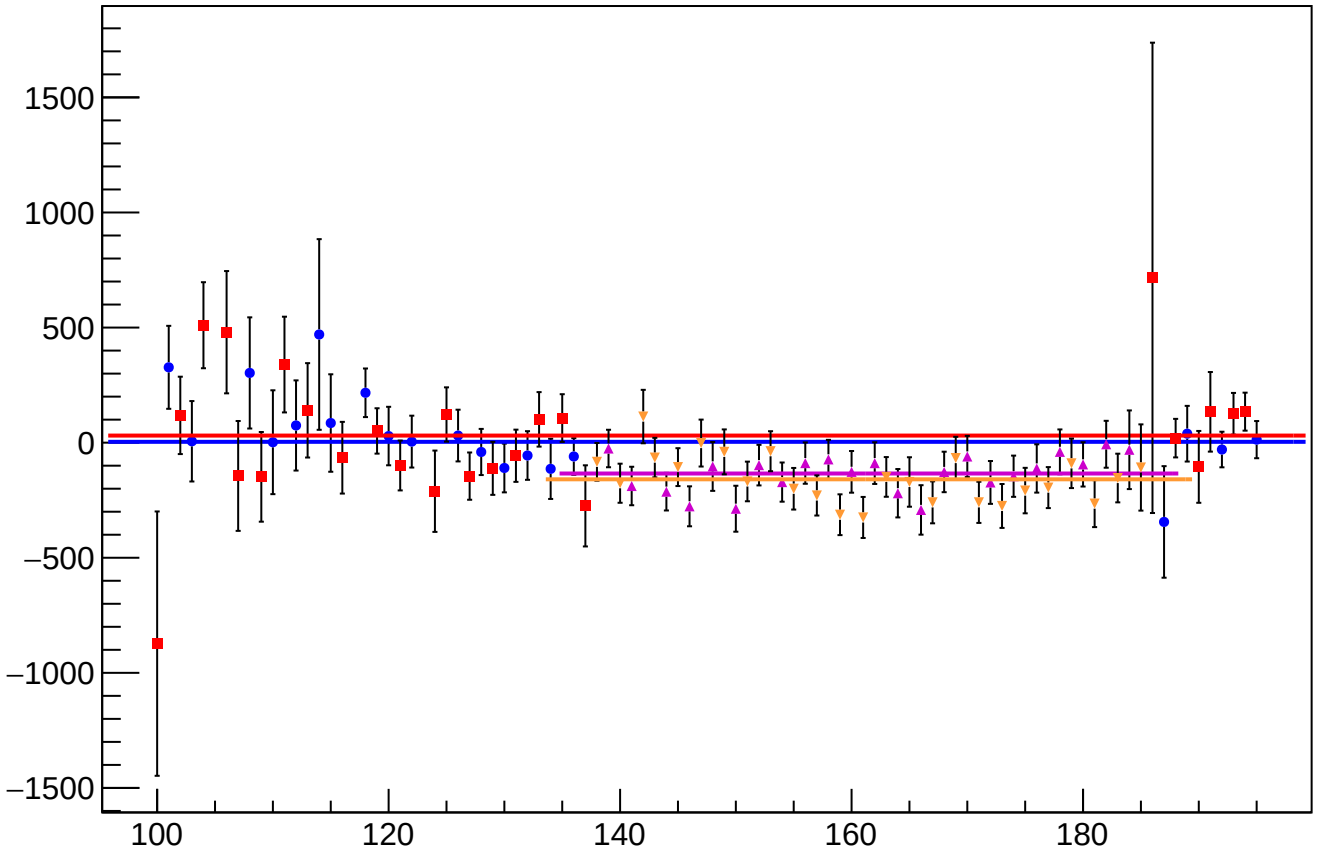
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 421.172+/-0.071 χ^2/NDF: 6036800.1/44

In: 346.306+/-0.048 χ^2/NDF:4082684.1/42

Out: 352.579+/-0.047 χ^2/NDF:4829114.7/49

All: 349.496+/-0.034 χ^2/NDF: 8920446.5/92



Right In: 3.657+/-27.069 χ^2/NDF: 15.9/19

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 30.796+/-26.381 χ^2/NDF: 33.6/24

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

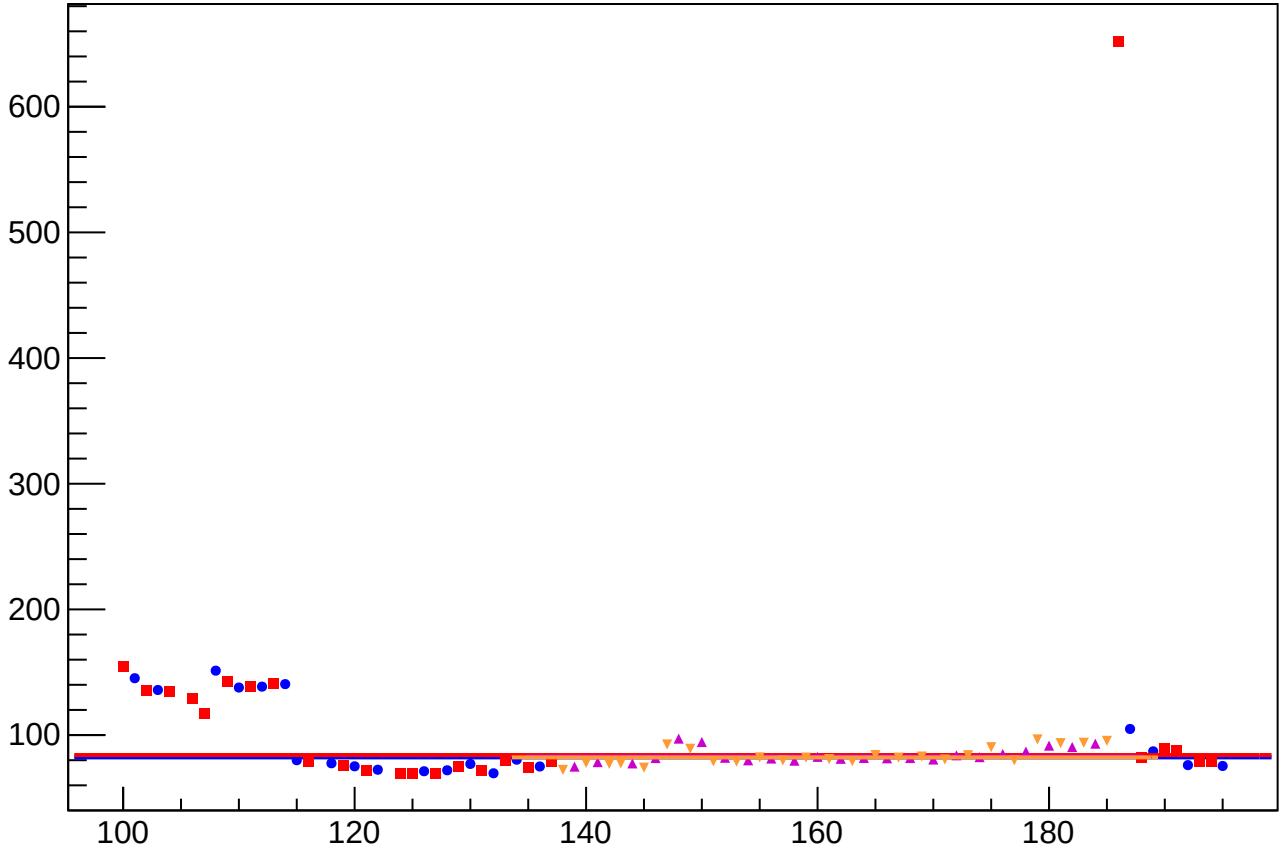
Right: 17.576+/-18.893 χ^2/NDF: 50.1/44

In: -87.164+/-15.790 χ^2/NDF:49.4/42

Out: -95.454+/-15.283 χ^2/NDF:96.3/49

All: -91.444+/-10.982 χ^2/NDF: 145.8/92

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 82.236+/-0.019 χ^2/NDF: 1086257.3/19

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 84.119+/-0.019 χ^2/NDF: 1757855.1/24

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

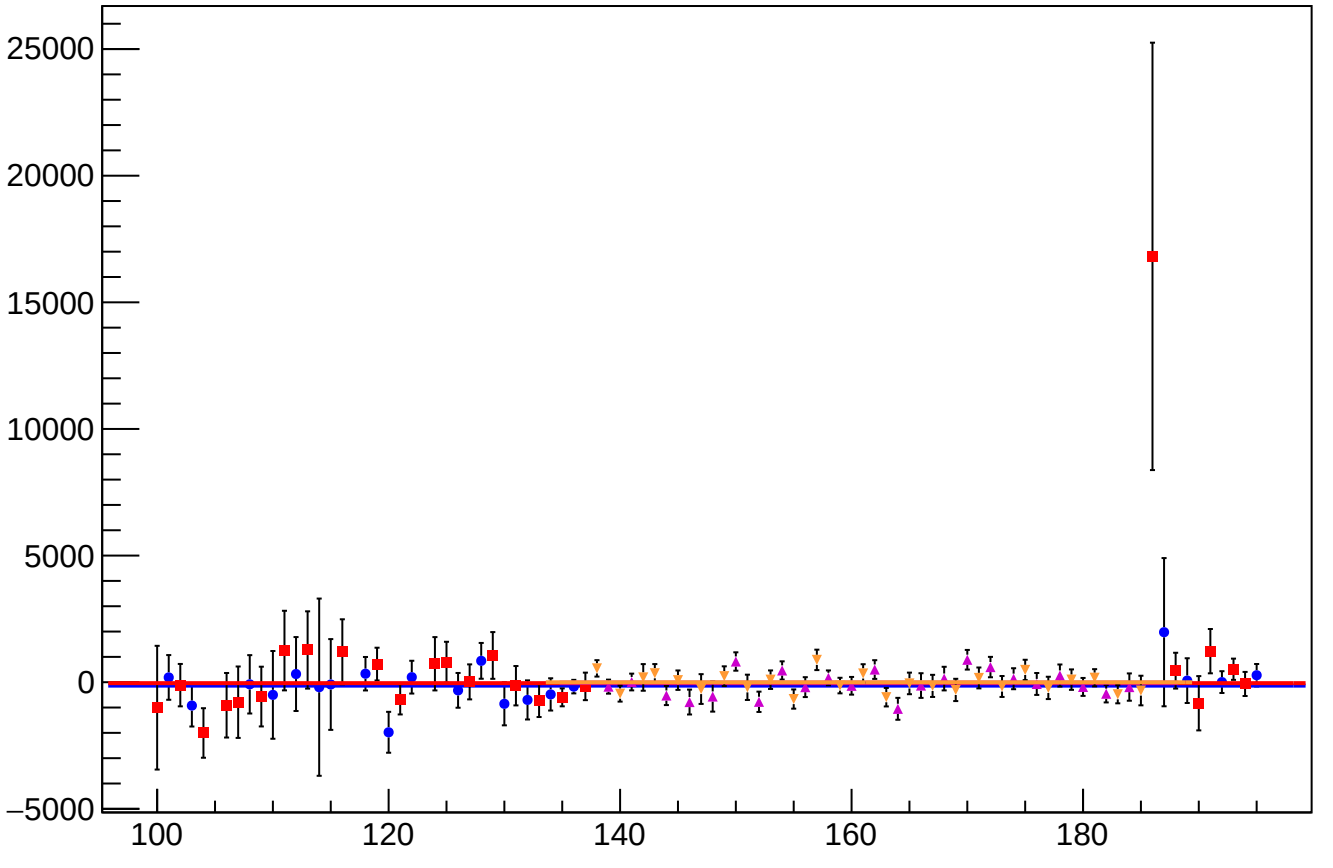
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 83.202+/-0.013 χ^2/NDF: 2849074.1/44

In: 82.735+/-0.011 χ^2/NDF:1232897.5/42

Out: 82.875+/-0.011 χ^2/NDF:1981091.2/49

All: 82.808+/-0.008 χ^2/NDF: 3214069.6/92



Right In: -134.617+/-146.727 χ^2/NDF: 12.3/19

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -37.154+/-146.577 χ^2/NDF: 25.5/24

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

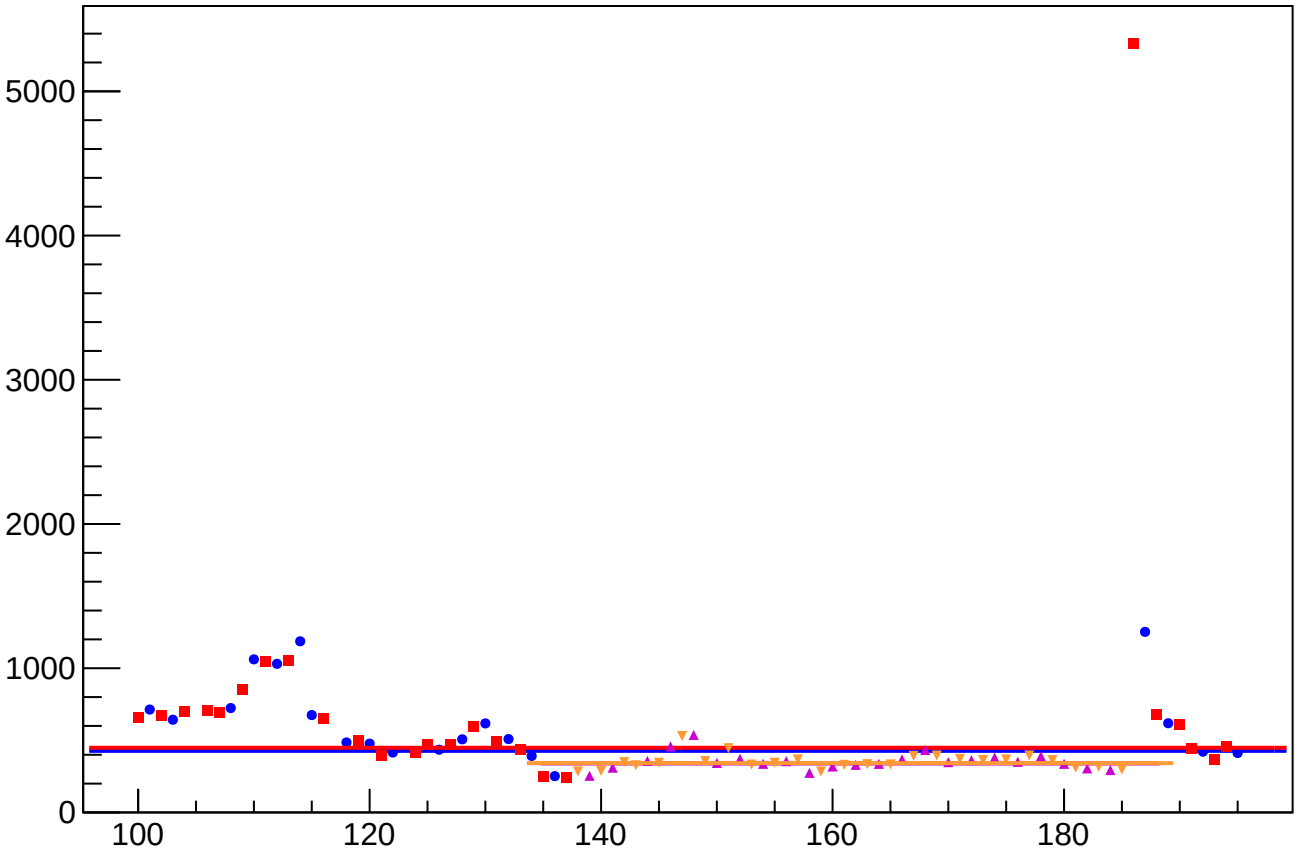
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -85.836+/-103.698 χ^2/NDF: 38.0/44

In: -43.795+/-70.515 χ^2/NDF:47.7/42

Out: -10.698+/-69.257 χ^2/NDF:49.1/49

All: -26.949+/-49.411 χ^2/NDF: 96.9/92



Right In: 427.156+/-0.104 χ^2/NDF: 2513184.2/19

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 448.549+/-0.104 χ^2/NDF: 3312461.9/24

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

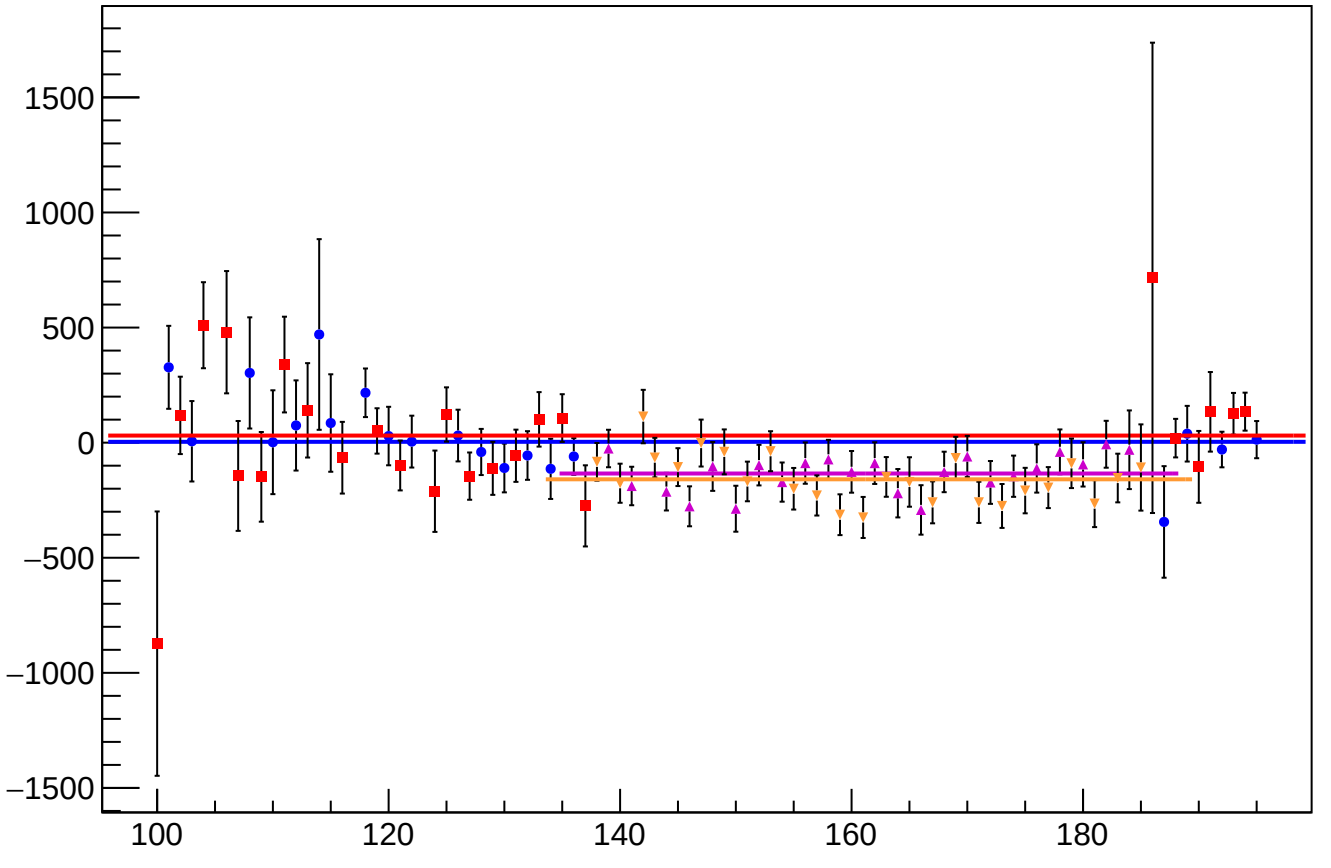
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 437.863+/-0.073 χ^2/NDF: 5846924.9/44

In: 359.691+/-0.050 χ^2/NDF:3909710.2/42

Out: 365.723+/-0.049 χ^2/NDF:4788534.6/49

All: 362.762+/-0.035 χ^2/NDF: 8705693.5/92



Right In: 3.658+/-27.069 χ^2/NDF: 15.9/19

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 30.796+/-26.381 χ^2/NDF: 33.6/24

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

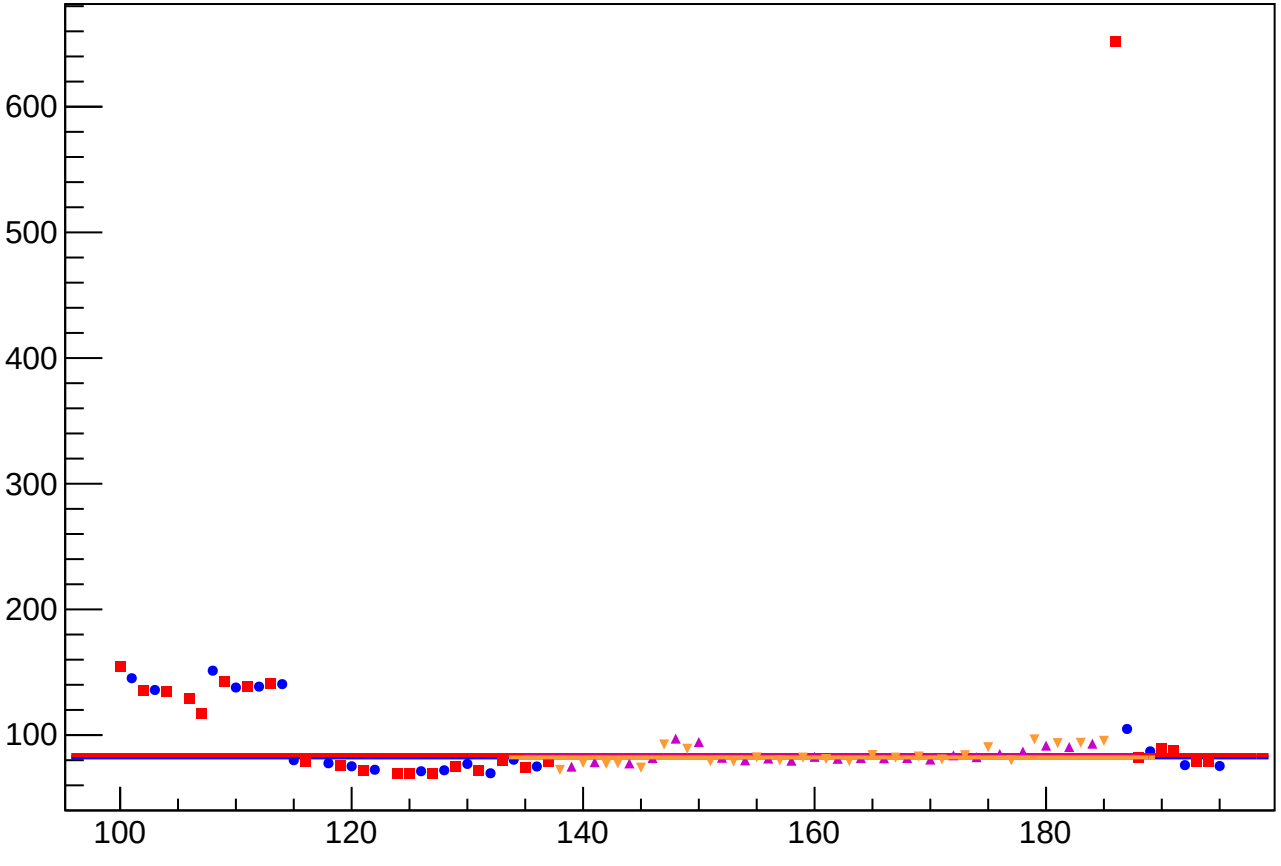
Right: 17.576+/-18.893 χ^2/NDF: 50.1/44

In: -87.164+/-15.790 χ^2/NDF:49.4/42

Out: -95.454+/-15.283 χ^2/NDF:96.3/49

All: -91.444+/-10.982 χ^2/NDF: 145.8/92

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 82.236+/-0.019 χ^2/NDF: 1086257.6/19

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 84.119+/-0.019 χ^2/NDF: 1757854.7/24

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

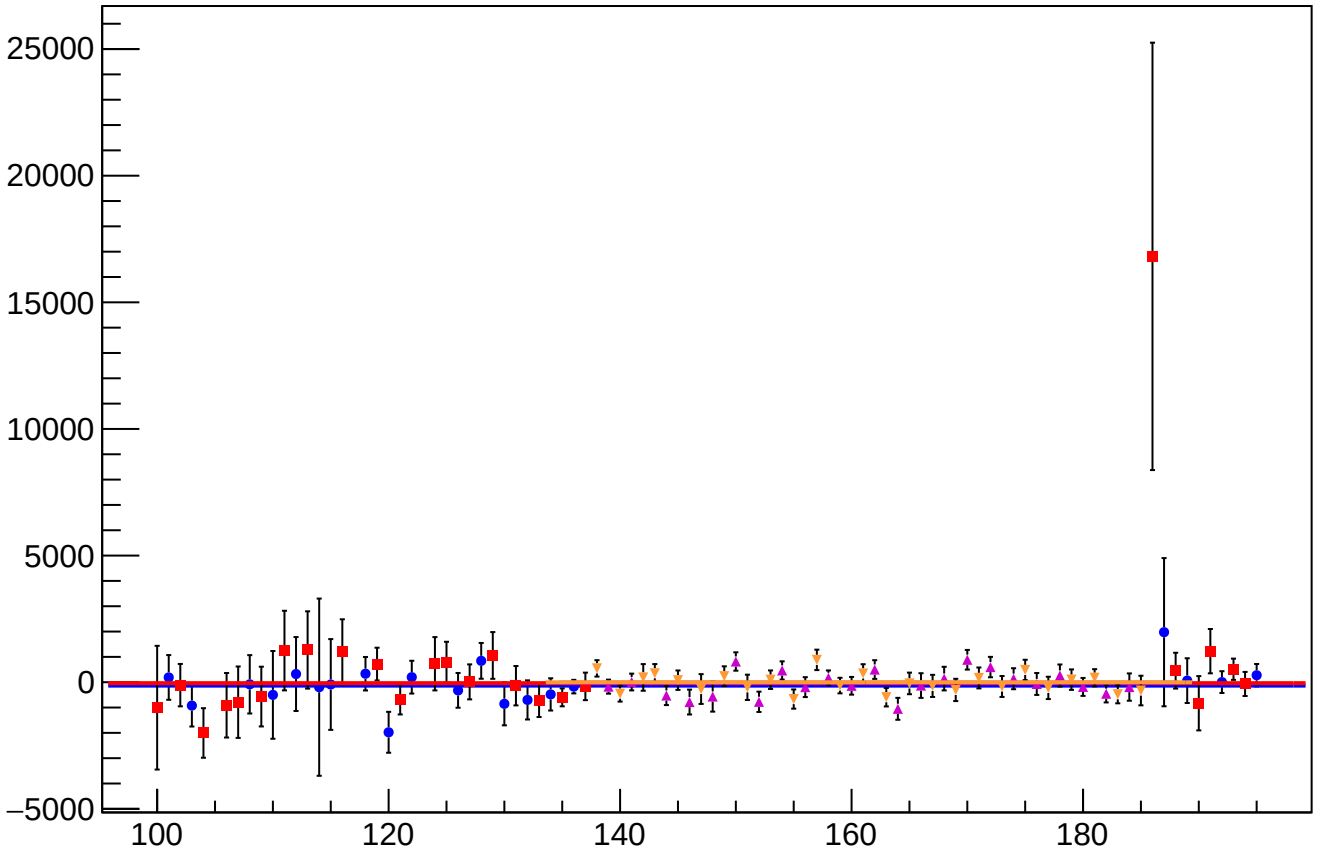
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 83.202+/-0.013 χ^2/NDF: 2849073.9/44

In: 82.735+/-0.011 χ^2/NDF:1232896.5/42

Out: 82.875+/-0.011 χ^2/NDF:1981090.2/49

All: 82.808+/-0.008 χ^2/NDF: 3214067.7/92



Right In: -134.616+/-146.726 χ^2/NDF: 12.3/19

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -37.154+/-146.577 χ^2/NDF: 25.5/24

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

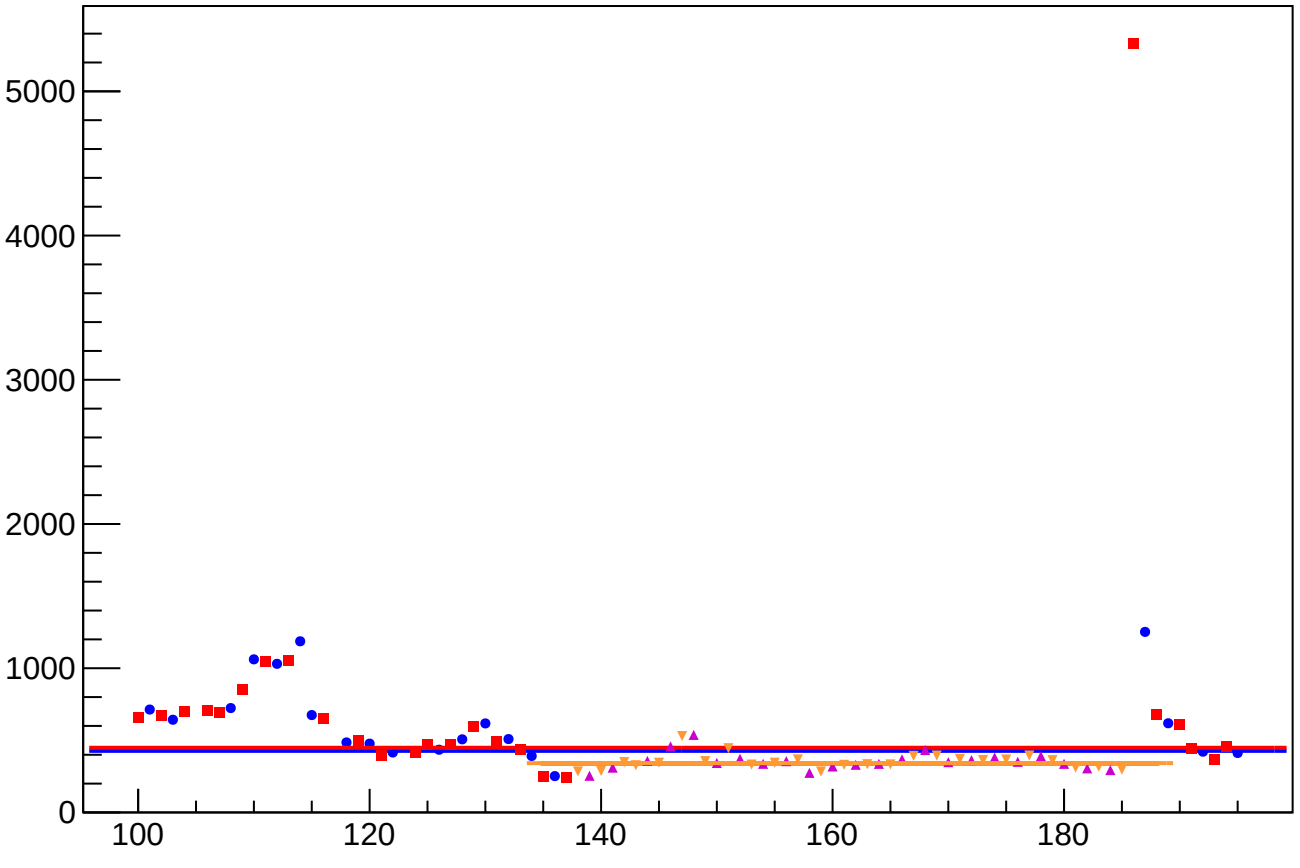
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -85.835+/-103.698 χ^2/NDF: 38.0/44

In: -43.795+/-70.515 χ^2/NDF:47.7/42

Out: -10.698+/-69.257 χ^2/NDF:49.1/49

All: -26.949+/-49.411 χ^2/NDF: 96.9/92



Right In: 427.155+/-0.104 χ^2/NDF: 2513189.2/19

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 448.548+/-0.104 χ^2/NDF: 3312469.8/24

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

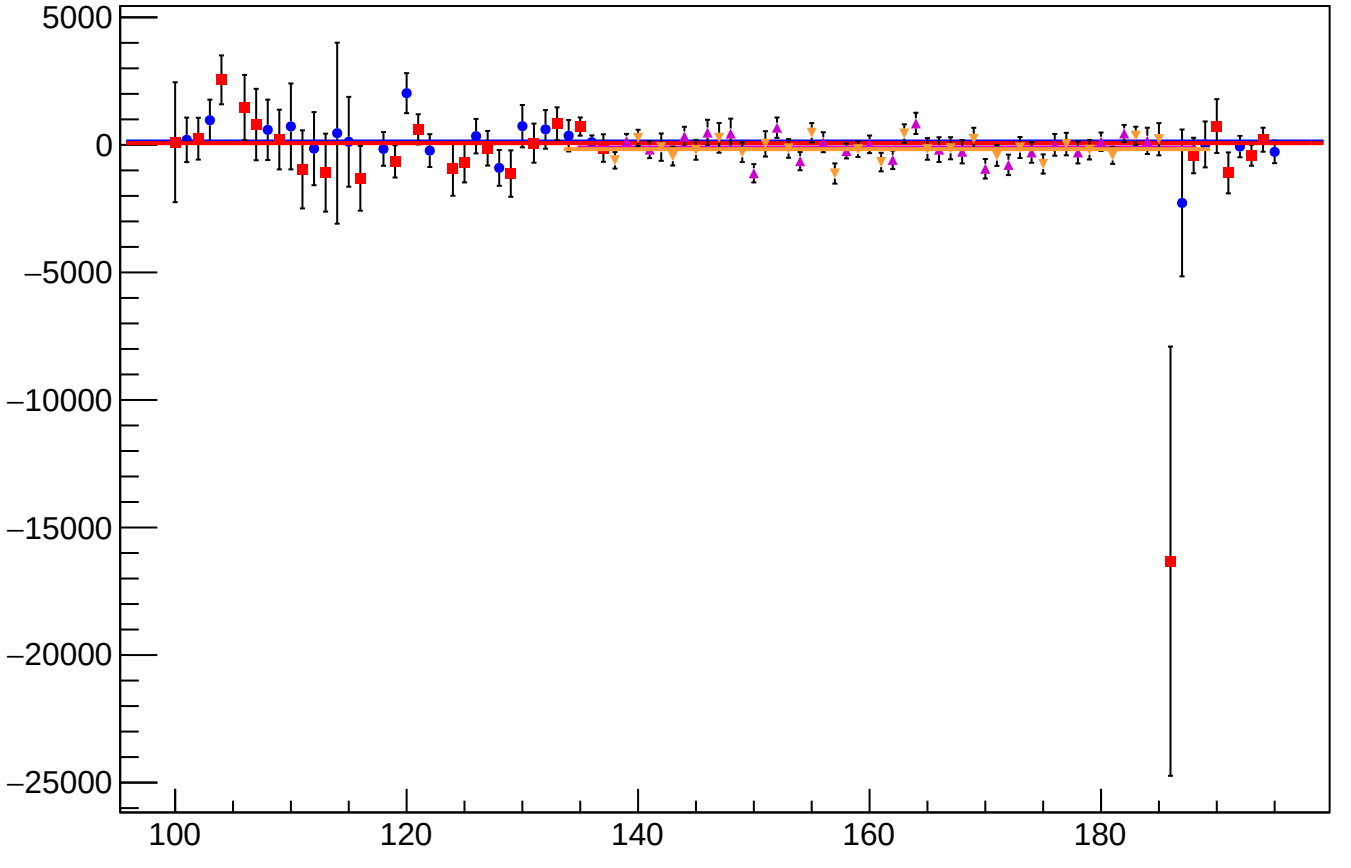
Right: 437.862+/-0.073 χ^2/NDF: 5846937.4/44

In: 359.691+/-0.050 χ^2/NDF:3909711.6/42

Out: 365.723+/-0.049 χ^2/NDF:4788532.1/49

All: 362.761+/-0.035 χ^2/NDF: 8705692.3/92

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.509+/-145.163 χ^2/NDF: 12.8/19

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 67.391+/-144.792 χ^2/NDF: 29.2/24

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

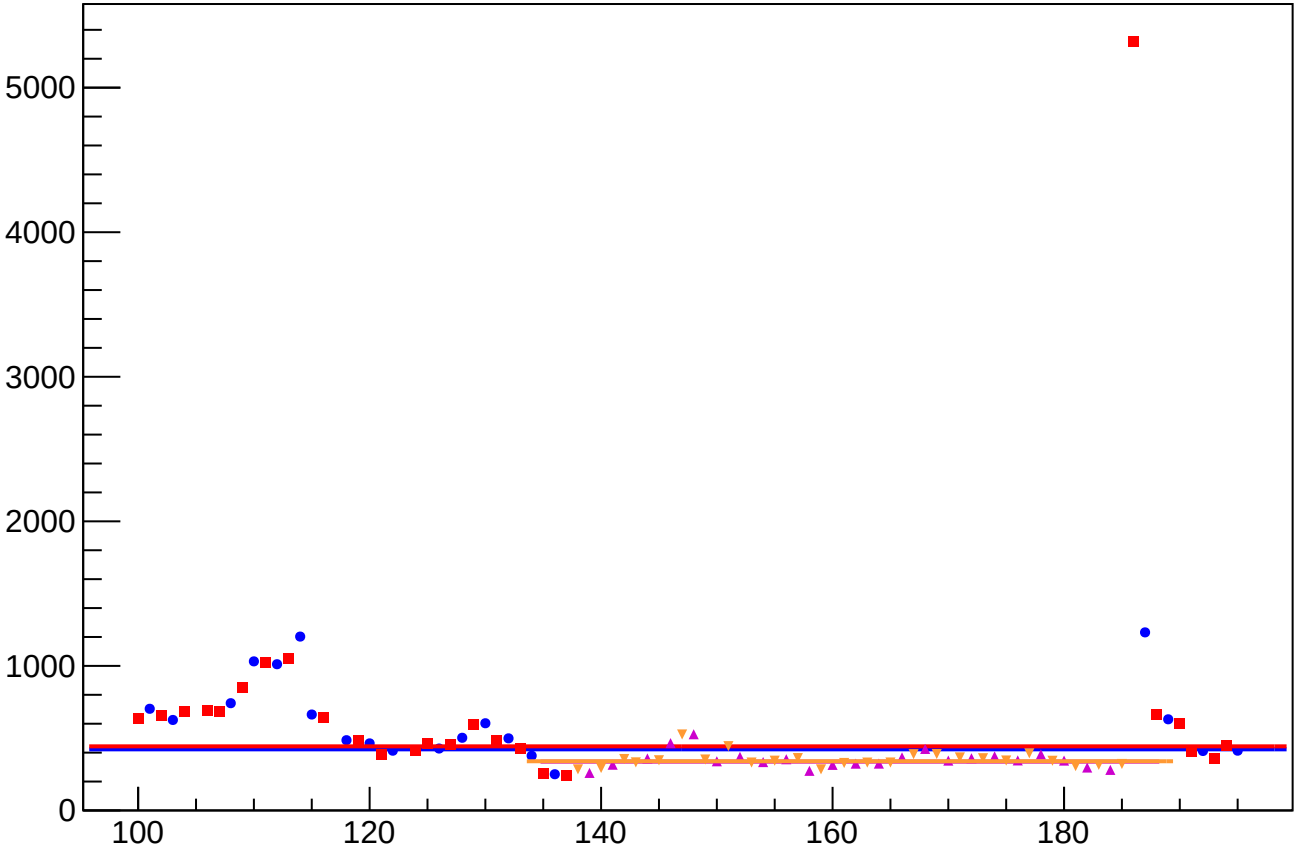
Right: 99.866+/-102.514 χ^2/NDF: 42.1/44

In: -48.919+/-70.061 χ^2/NDF:52.4/42

Out: -114.386+/-68.792 χ^2/NDF:56.8/49

All: -82.251+/-49.086 χ^2/NDF: 109.6/92

asym_sam1_rms vs Slug, Sign Corrected



Right In: 422.721+/-0.103 χ^2/NDF: 2494435.6/19

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 443.516+/-0.102 χ^2/NDF: 3246321.3/24

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

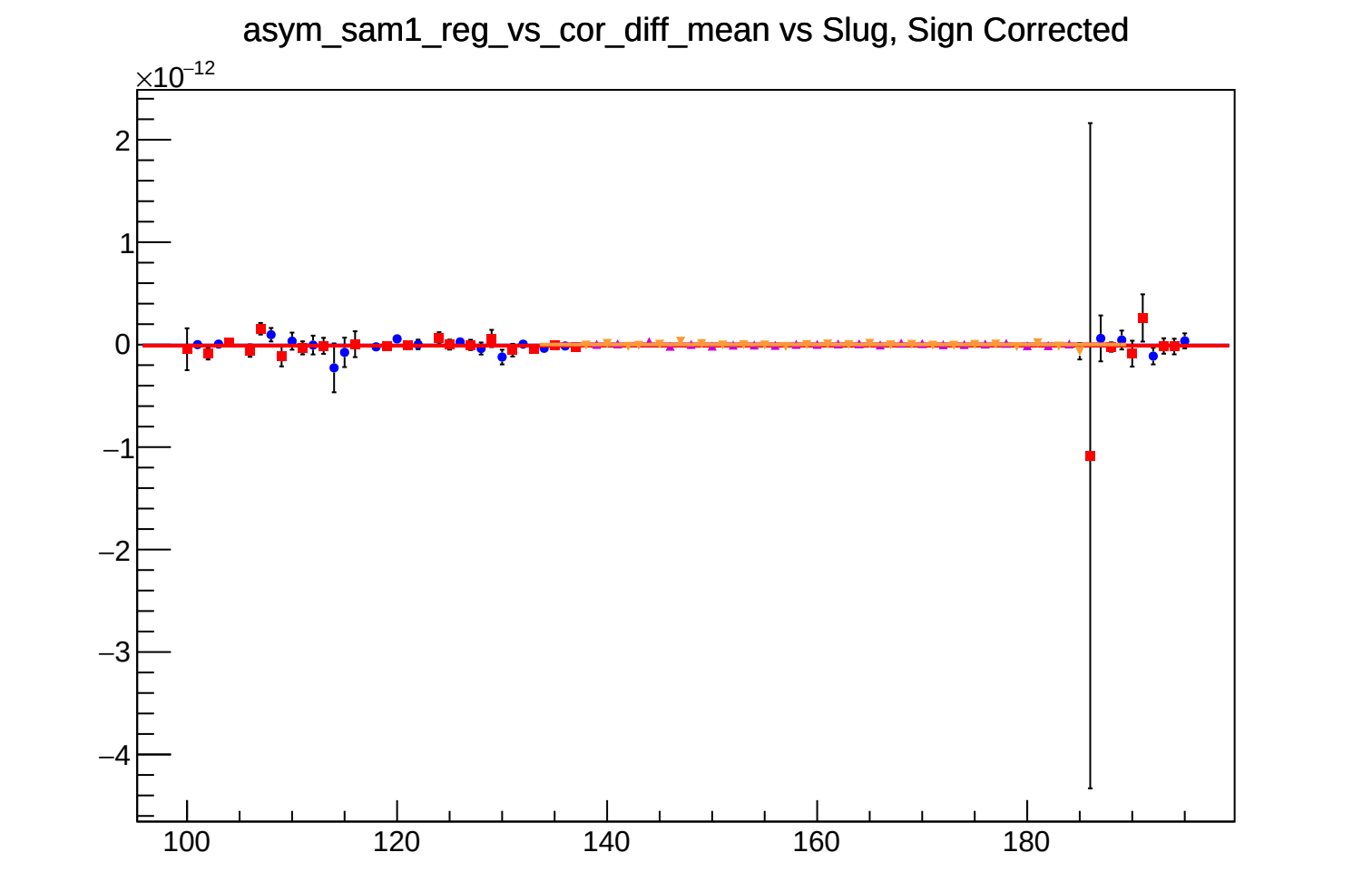
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

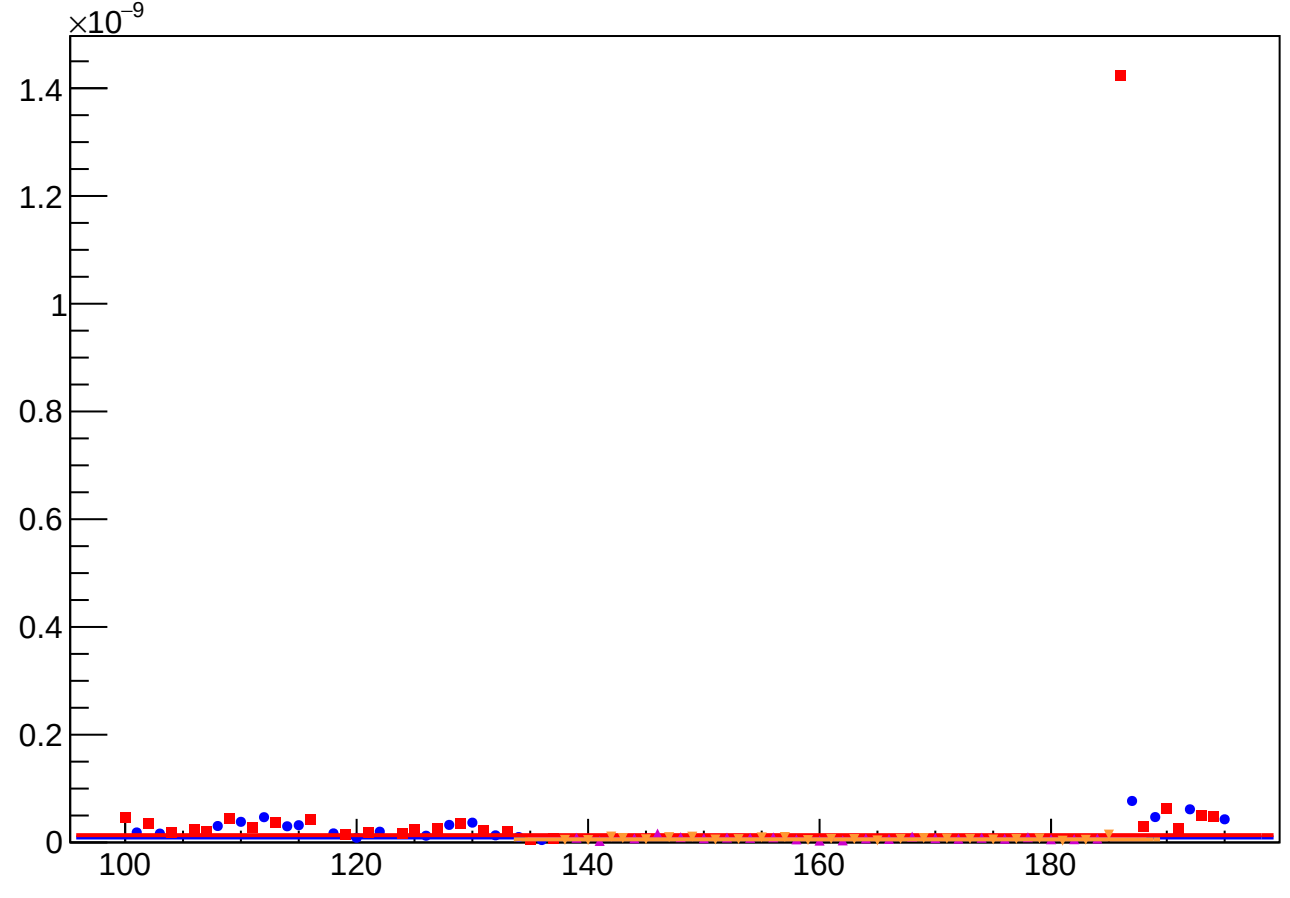
Right: 433.145+/-0.072 χ^2/NDF: 5761330.6/44

In: 357.550+/-0.050 χ^2/NDF:3840640.0/42

Out: 363.669+/-0.049 χ^2/NDF:4636000.2/49

All: 360.666+/-0.035 χ^2/NDF: 8484408.3/92


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
Right In: -0.000+/-0.000 χ²/NDF: 17.2/19
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.3/24
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: 35.6/44
In: 0.000+/-0.000 χ²/NDF:32.1/42
Out: 0.000+/-0.000 χ²/NDF:36.3/49
All: 0.000+/-0.000 χ²/NDF: 68.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 4566597.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4667223.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

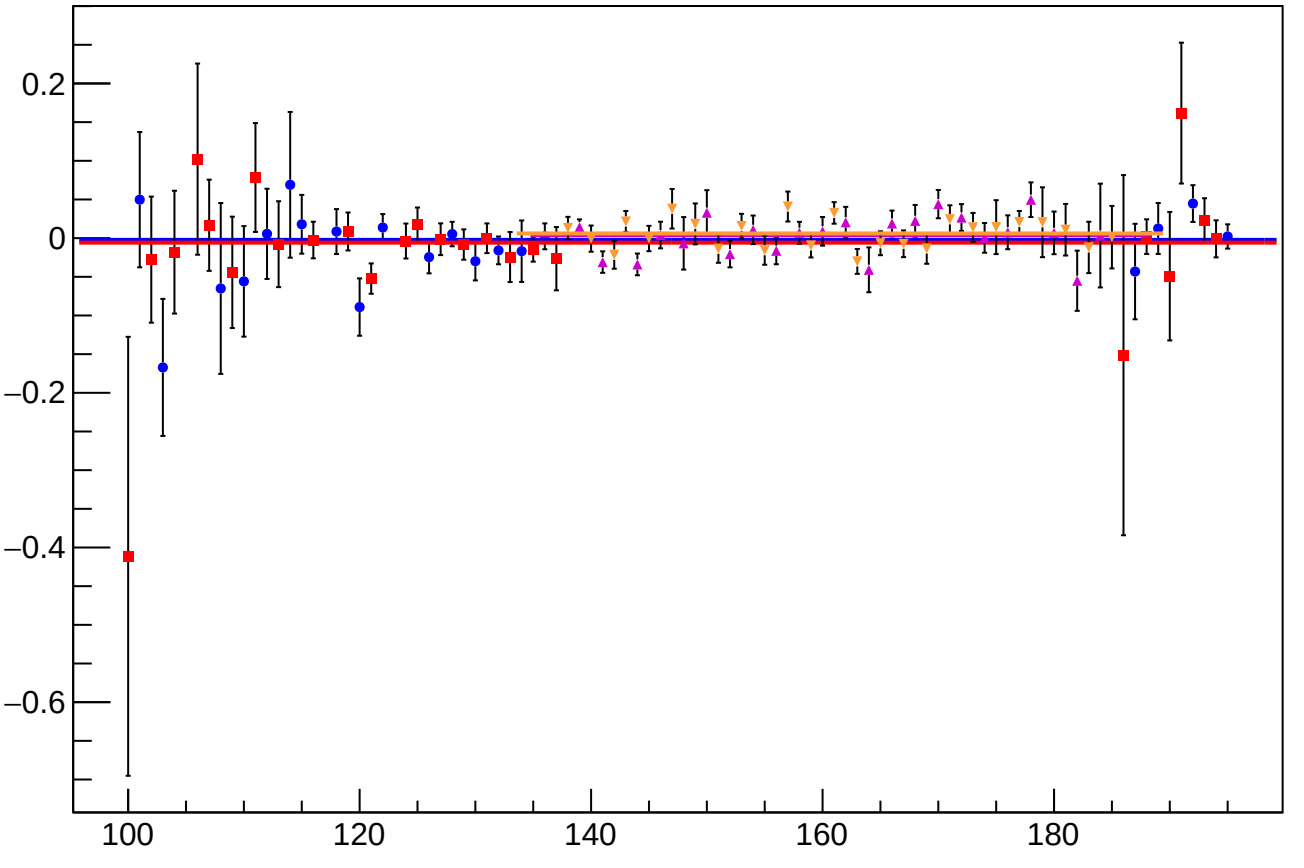
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9608418.0/44

In: 0.000+/-0.000 χ^2/NDF:6937369.7/42

Out: 0.000+/-0.000 χ^2/NDF:7575696.6/49

All: 0.000+/-0.000 χ^2/NDF: 14526129.5/92



Right In: -0.002+/-0.006 χ^2/NDF: 20.1/19

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.006+/-0.006 χ^2/NDF: 18.1/24

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

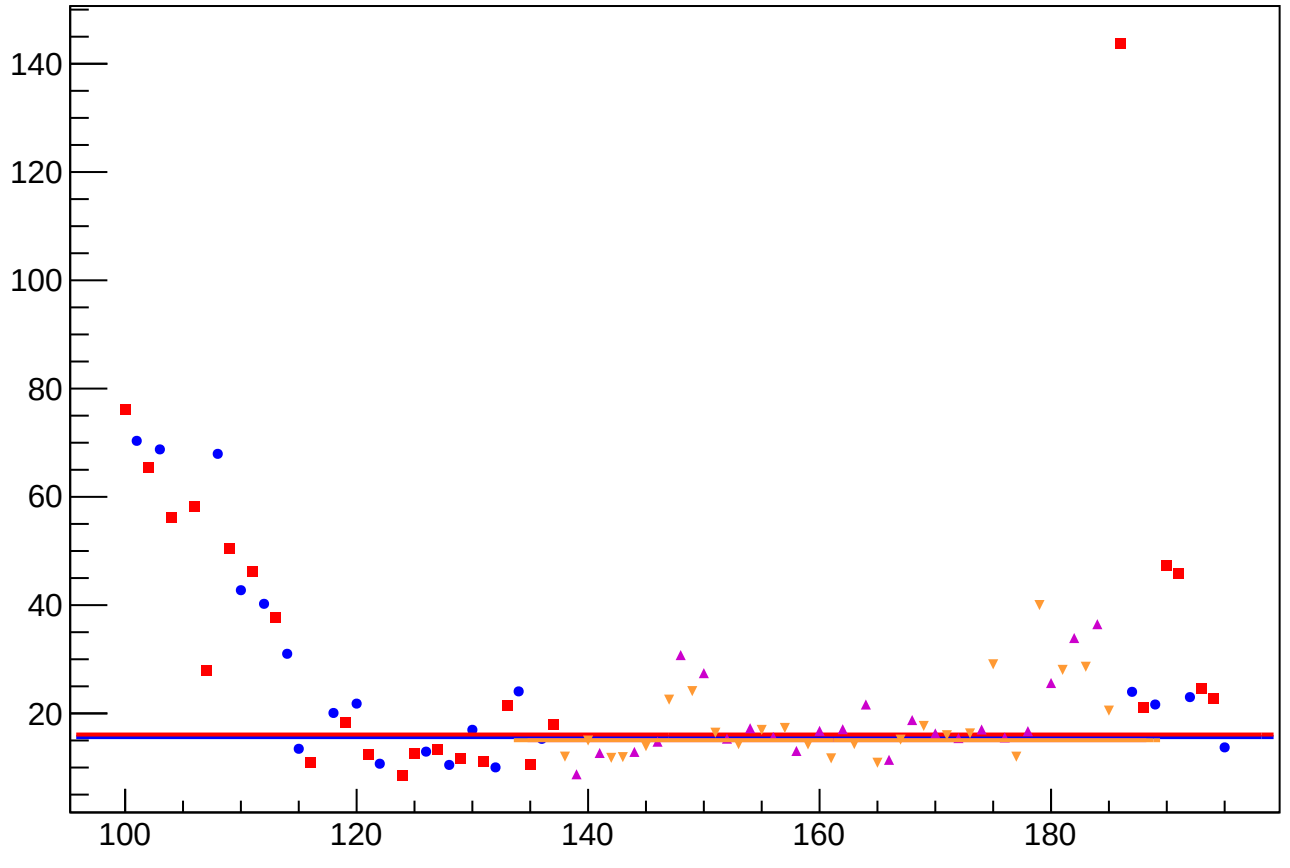
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.004 χ^2/NDF: 38.4/44

In: 0.002+/-0.003 χ^2/NDF:57.9/42

Out: 0.003+/-0.003 χ^2/NDF:47.8/49

All: 0.002+/-0.002 χ^2/NDF: 105.7/92



Right In: 15.621+/-0.004 χ^2/NDF: 3780139.9/19

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.098+/-0.004 χ^2/NDF: 5317756.2/24

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

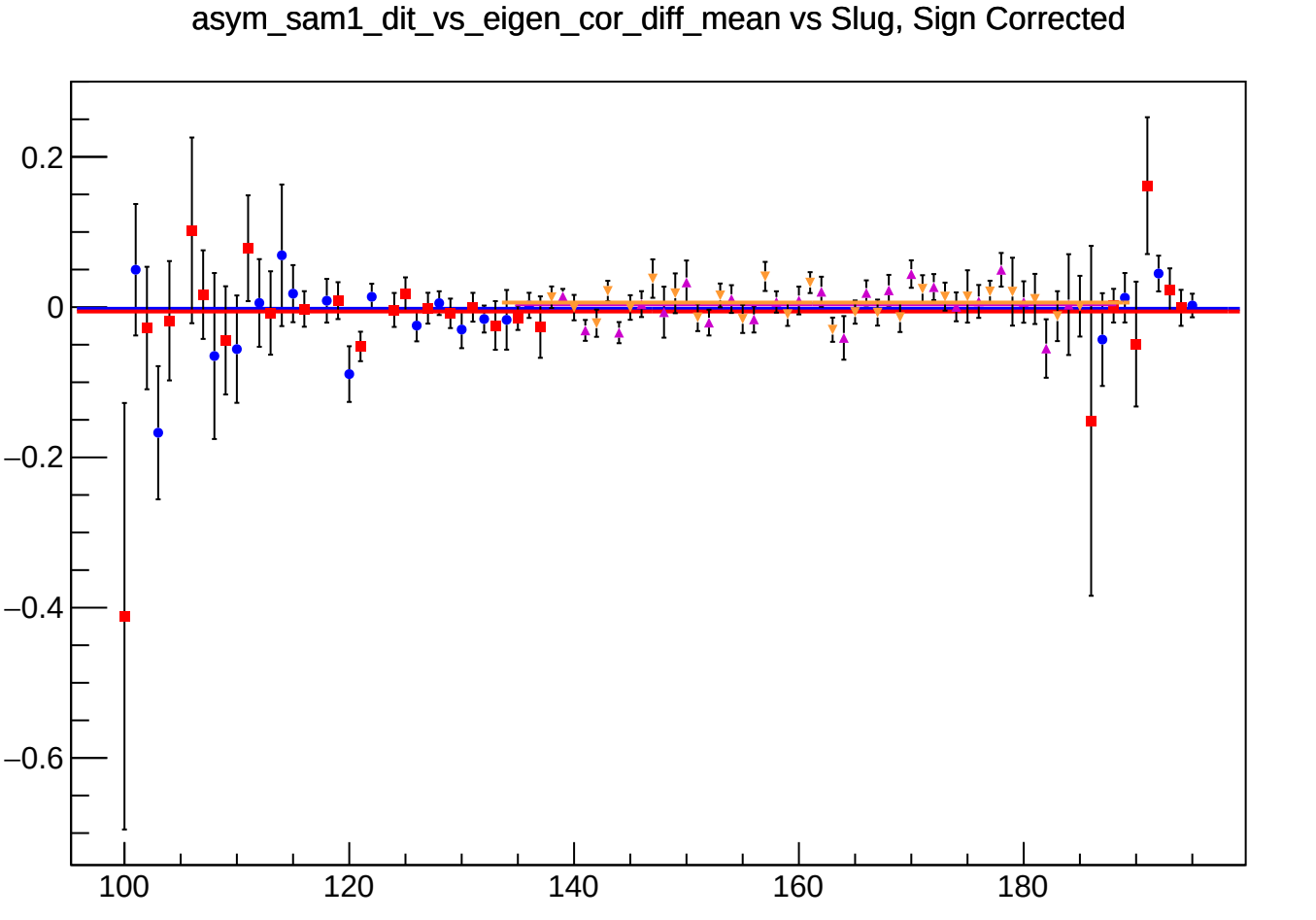
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.862+/-0.003 χ^2/NDF: 9104600.5/44

In: 15.233+/-0.002 χ^2/NDF:6859187.8/42

Out: 15.349+/-0.002 χ^2/NDF:8122763.2/49

All: 15.293+/-0.002 χ^2/NDF: 14983287.3/92



Right In: -0.002+/-0.006 χ^2/NDF: 20.1/19

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.006+/-0.006 χ^2/NDF: 18.1/24

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

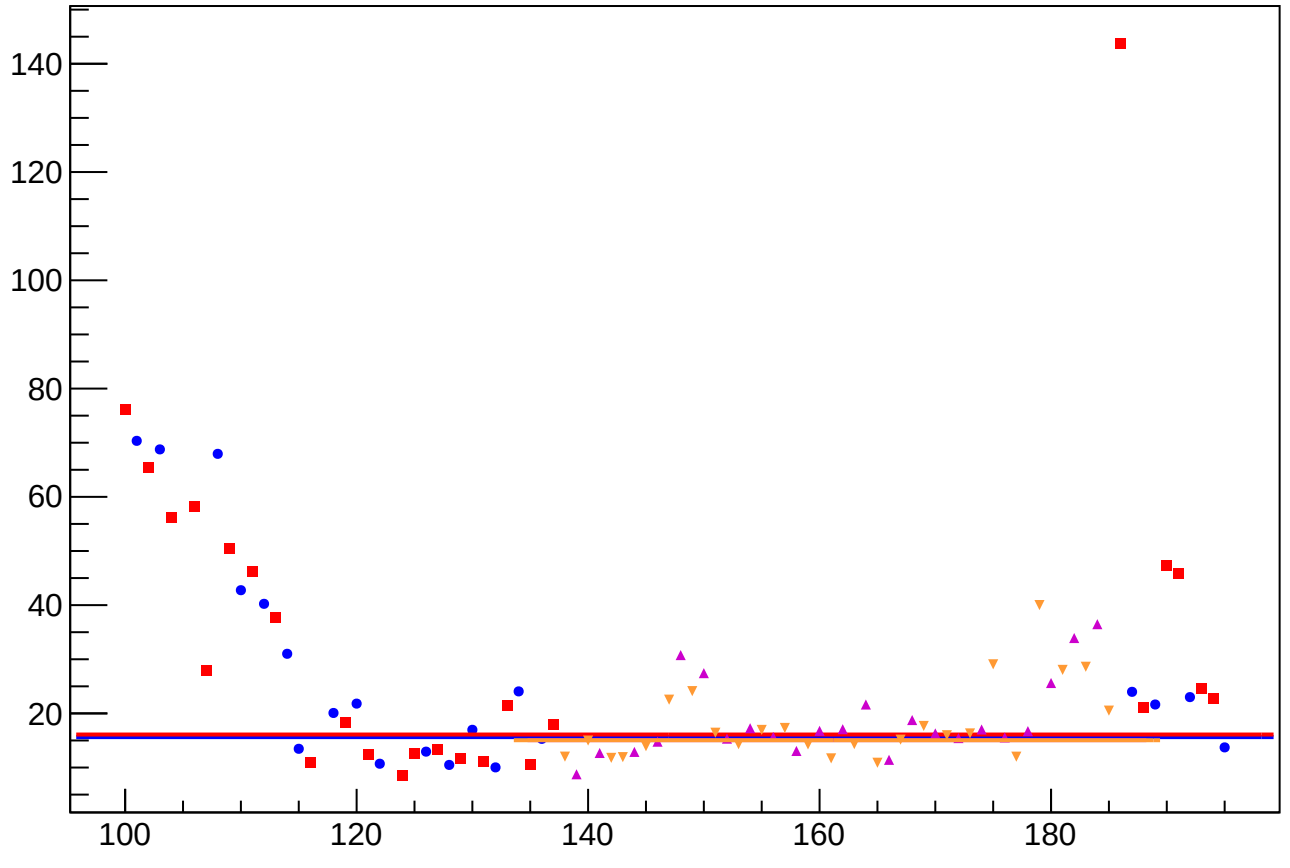
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.004 χ^2/NDF: 38.4/44

In: 0.002+/-0.003 χ^2/NDF:57.9/42

Out: 0.003+/-0.003 χ^2/NDF:47.8/49

All: 0.002+/-0.002 χ^2/NDF: 105.7/92



Right In: 15.621+/-0.004 χ^2/NDF: 3780139.9/19

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.098+/-0.004 χ^2/NDF: 5317756.2/24

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

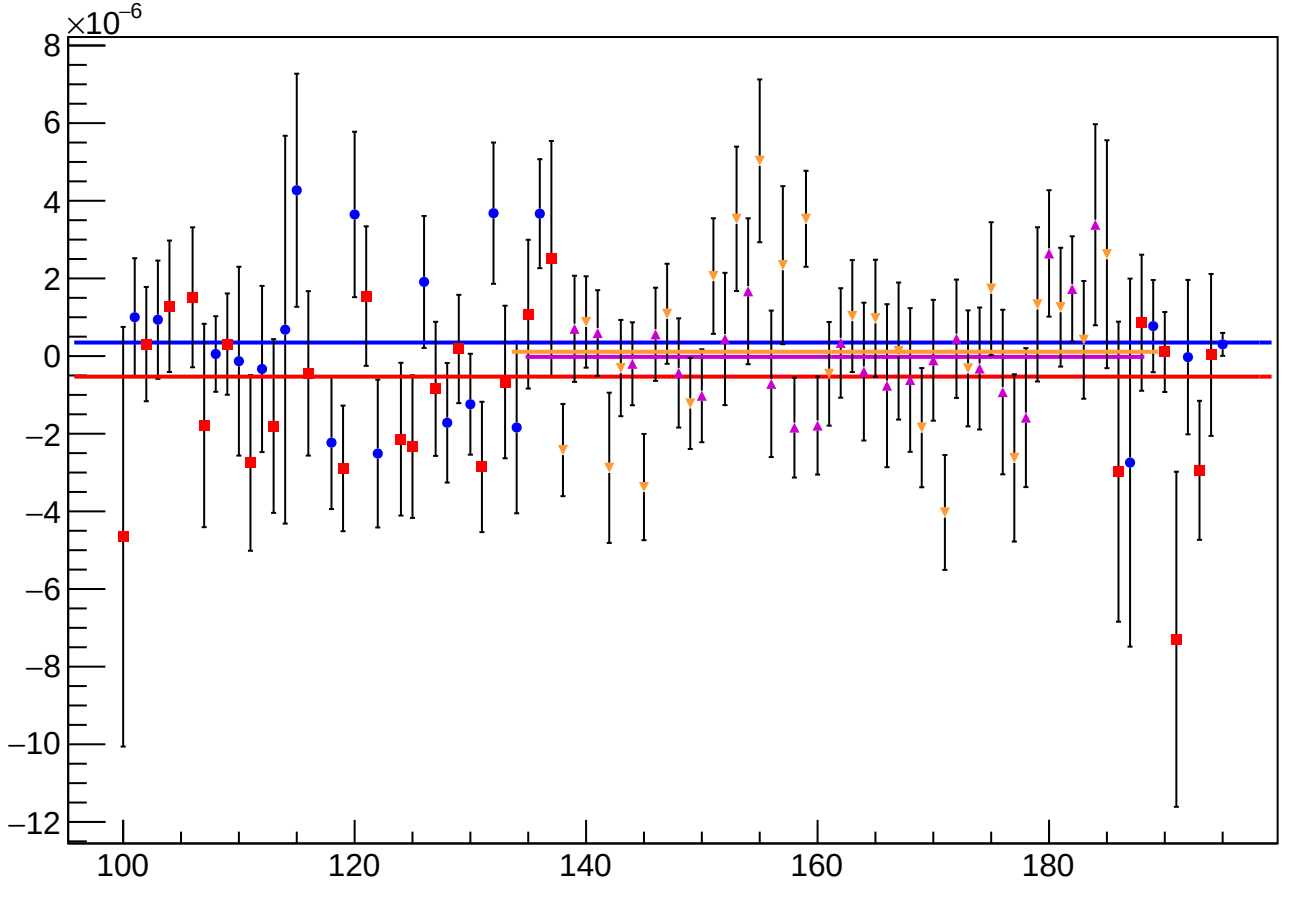
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.862+/-0.003 χ^2/NDF: 9104600.5/44

In: 15.233+/-0.002 χ^2/NDF:6859187.8/42

Out: 15.349+/-0.002 χ^2/NDF:8122763.2/49

All: 15.293+/-0.002 χ^2/NDF: 14983287.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/24

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

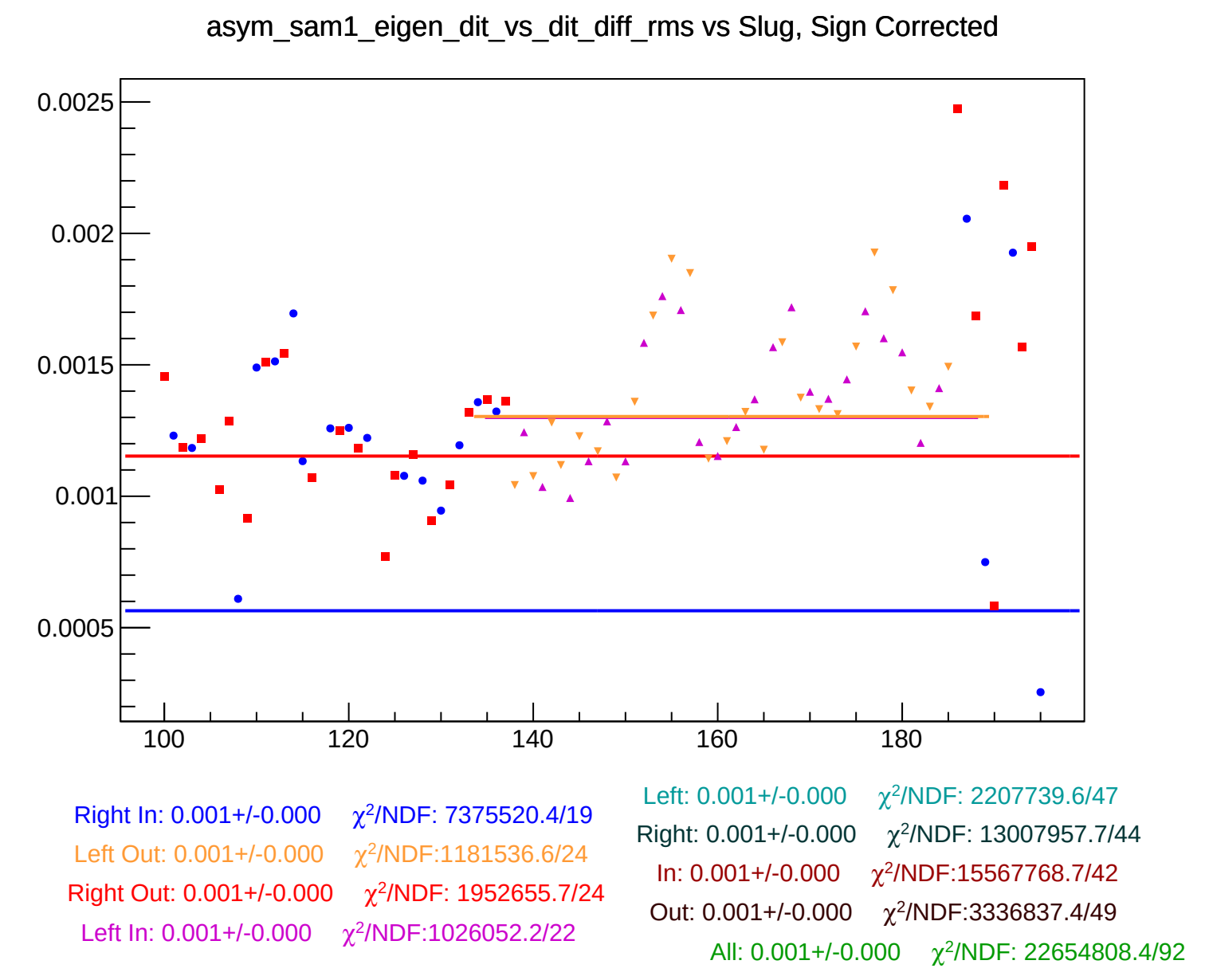
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

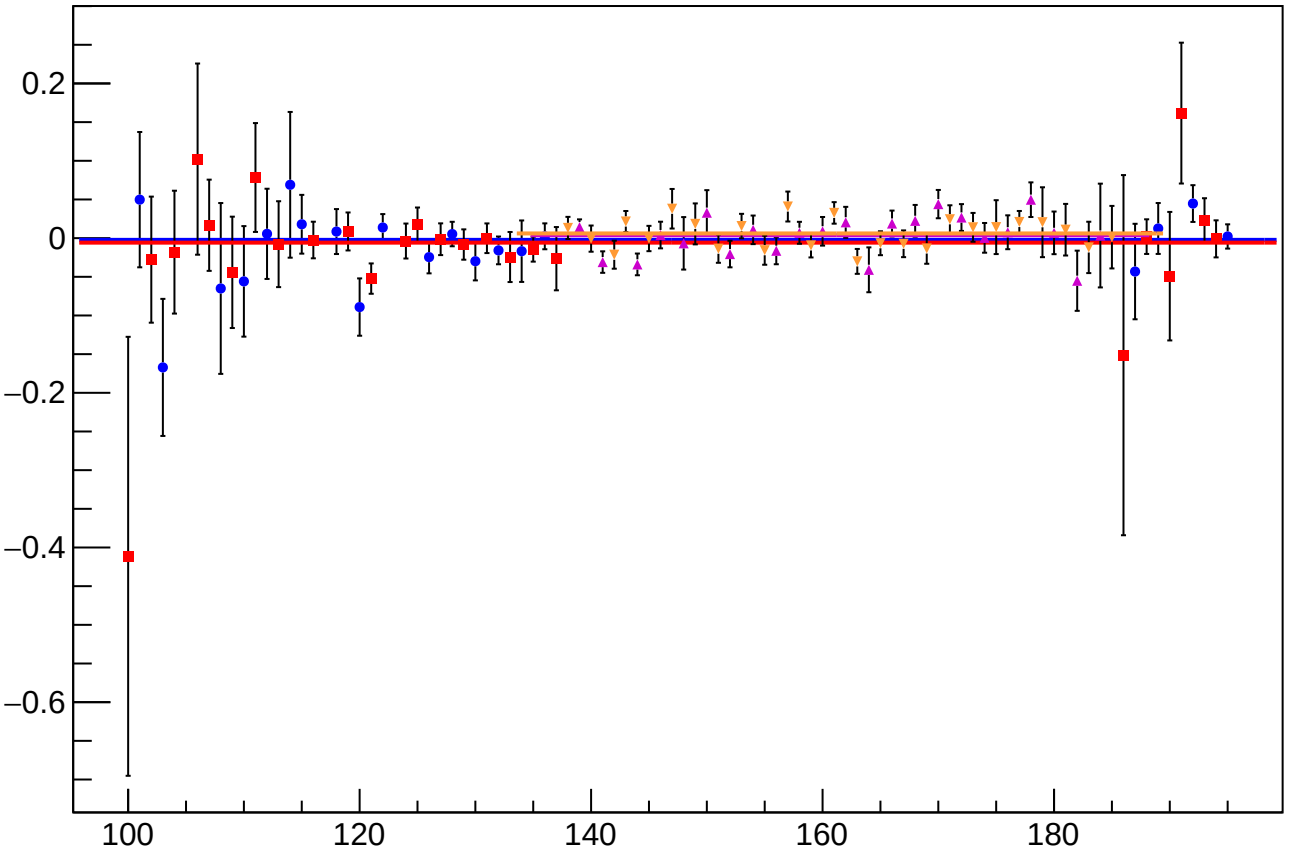
Right: 0.000+/-0.000 χ^2/NDF: 48.0/44

In: 0.000+/-0.000 χ^2/NDF:38.9/42

Out: -0.000+/-0.000 χ^2/NDF:71.9/49

All: 0.000+/-0.000 χ^2/NDF: 112.2/92


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
Right In: 0.001+/-0.000 χ²/NDF: 7375520.4/19
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 1952655.7/24
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: 13007957.7/44
In: 0.001+/-0.000 χ²/NDF:15567768.7/42
Out: 0.001+/-0.000 χ²/NDF:3336837.4/49
All: 0.001+/-0.000 χ²/NDF: 22654808.4/92



Right In: -0.002+/-0.006 χ^2/NDF: 20.1/19

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.006+/-0.006 χ^2/NDF: 18.1/24

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

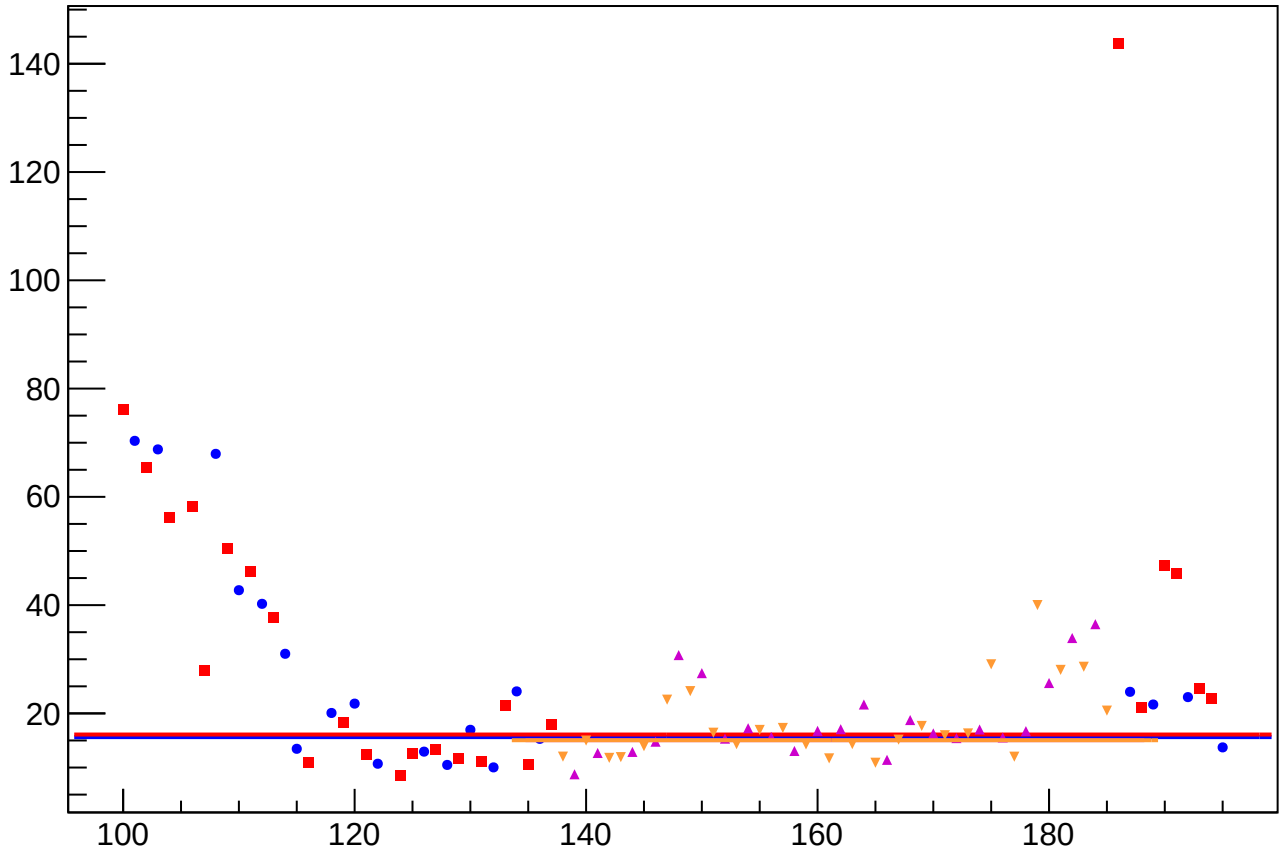
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.004 χ^2/NDF: 38.4/44

In: 0.002+/-0.003 χ^2/NDF:57.9/42

Out: 0.003+/-0.003 χ^2/NDF:47.8/49

All: 0.002+/-0.002 χ^2/NDF: 105.7/92



Right In: 15.620+/-0.004 χ^2/NDF: 3780142.4/19

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.098+/-0.004 χ^2/NDF: 5317722.0/24

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

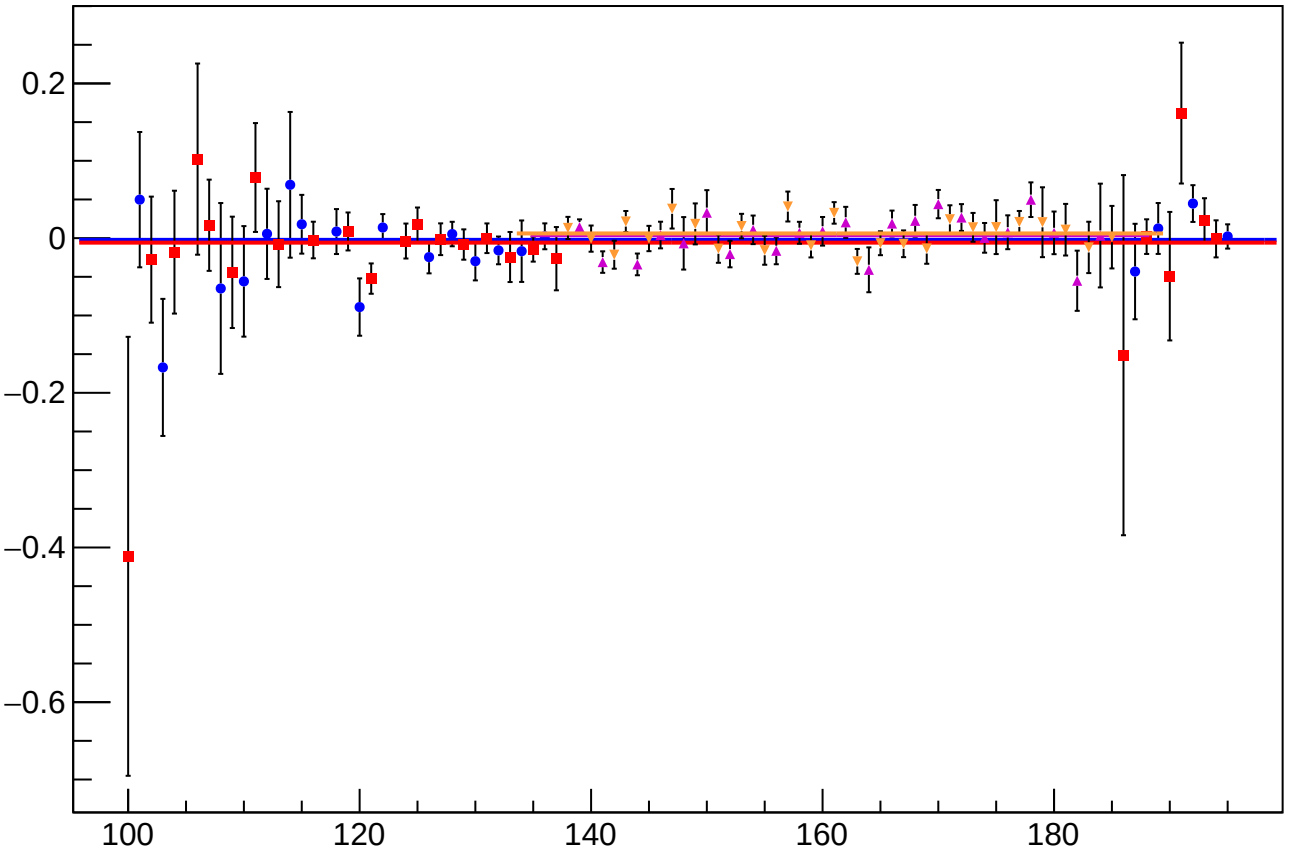
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.862+/-0.003 χ^2/NDF: 9104569.7/44

In: 15.233+/-0.002 χ^2/NDF:6859235.2/42

Out: 15.348+/-0.002 χ^2/NDF:8122949.7/49

All: 15.292+/-0.002 χ^2/NDF: 14983520.3/92



Right In: -0.002+/-0.006 χ^2/NDF: 20.1/19

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.006+/-0.006 χ^2/NDF: 18.1/24

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

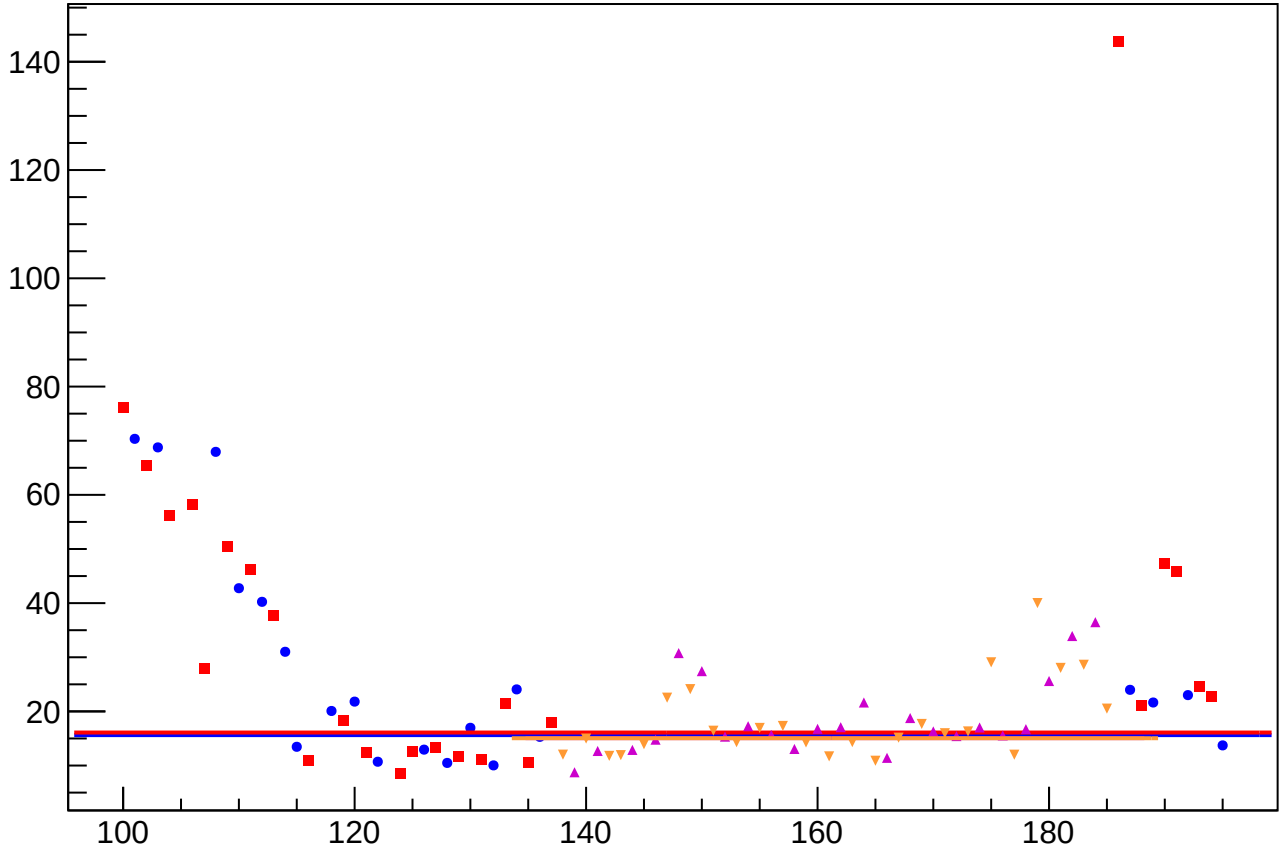
Right: -0.004+/-0.004 χ^2/NDF: 38.4/44

In: 0.002+/-0.003 χ^2/NDF:57.9/42

Out: 0.003+/-0.003 χ^2/NDF:47.8/49

All: 0.002+/-0.002 χ^2/NDF: 105.7/92

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.620+/-0.004 χ^2/NDF: 3780142.4/19

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.098+/-0.004 χ^2/NDF: 5317722.0/24

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

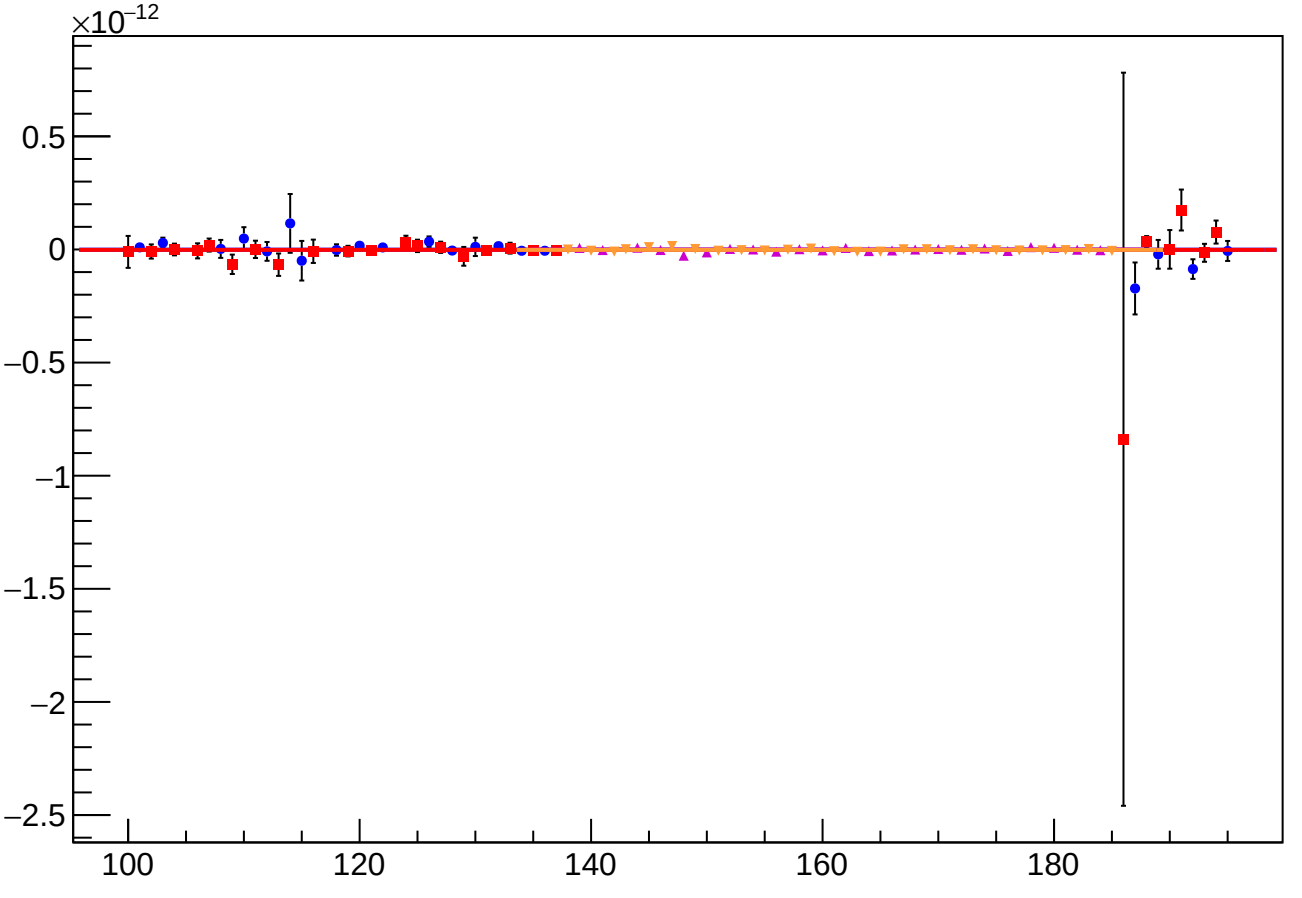
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.862+/-0.003 χ^2/NDF: 9104569.7/44

In: 15.233+/-0.002 χ^2/NDF:6859235.2/42

Out: 15.348+/-0.002 χ^2/NDF:8122949.7/49

All: 15.292+/-0.002 χ^2/NDF: 14983520.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/24

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

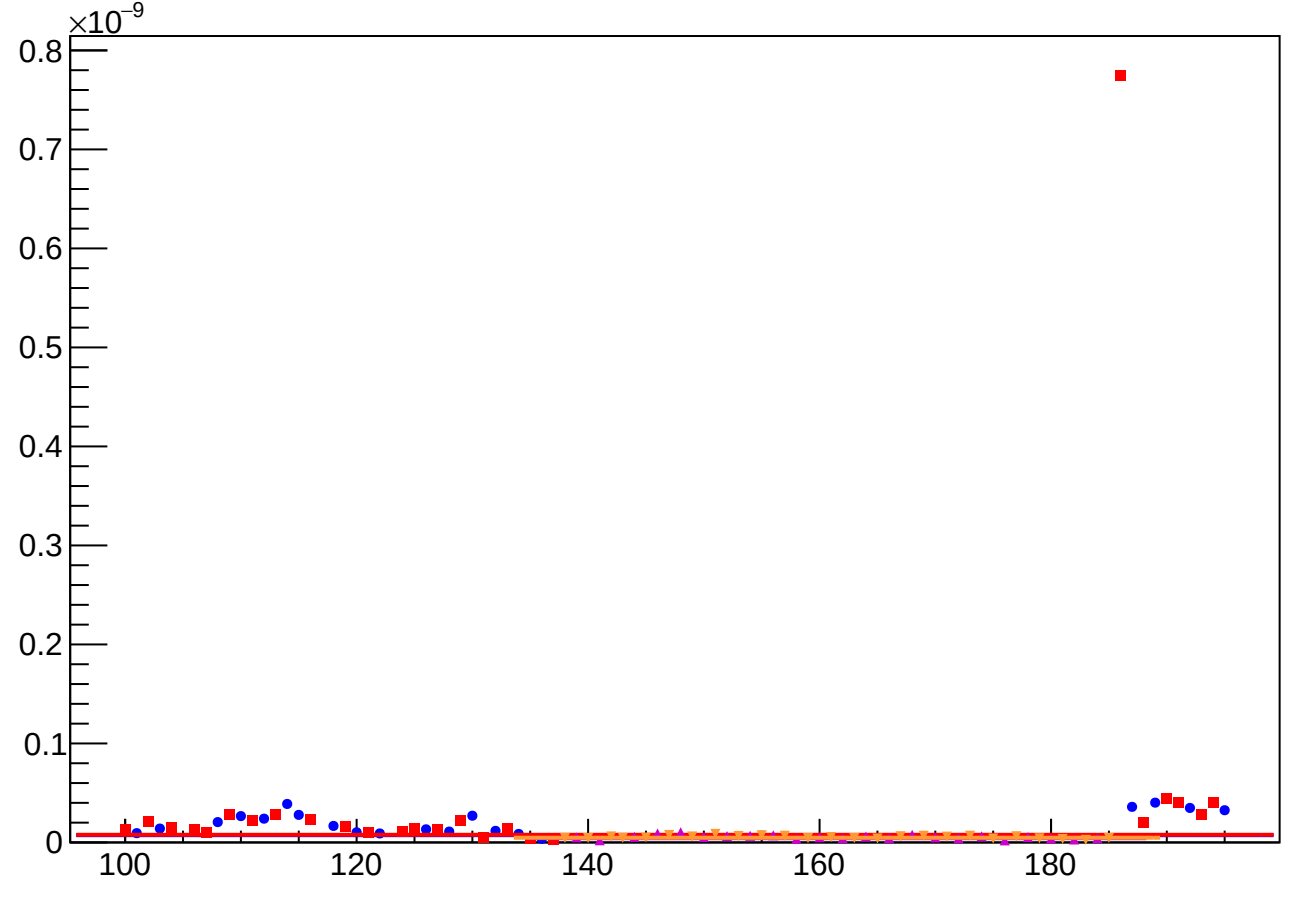
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 31.2/44

In: -0.000+/-0.000 χ^2/NDF:37.0/42

Out: -0.000+/-0.000 χ^2/NDF:30.7/49

All: -0.000+/-0.000 χ^2/NDF: 68.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 5666095.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7215803.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

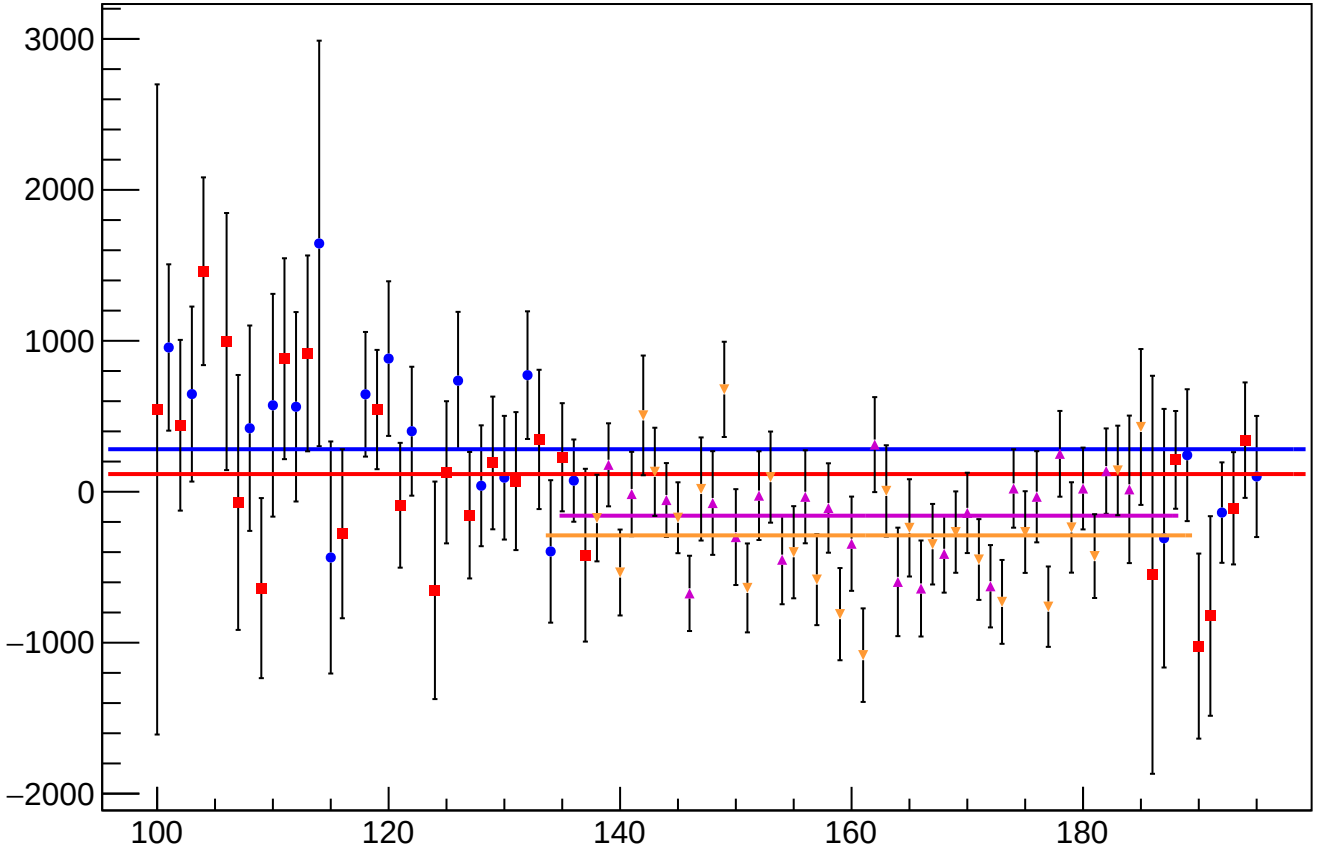
Right: 0.000+/-0.000 χ^2/NDF: 12891599.2/44

In: 0.000+/-0.000 χ^2/NDF:10388018.2/42

Out: 0.000+/-0.000 χ^2/NDF:10364315.6/49

All: 0.000+/-0.000 χ^2/NDF: 20893801.3/92

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 281.818+/-103.911 χ^2/NDF: 14.3/19

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 117.187+/-100.836 χ^2/NDF: 21.9/24

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

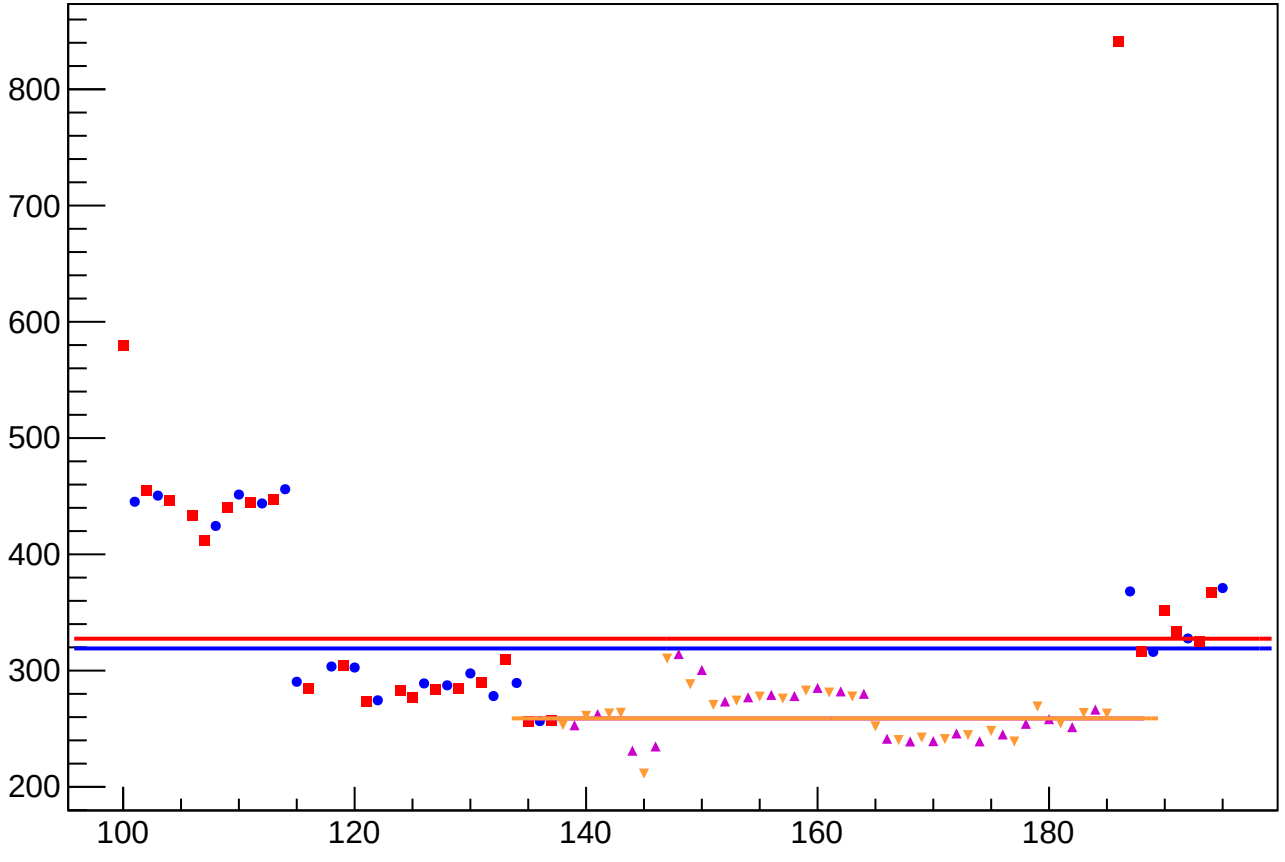
Right: 197.030+/-72.364 χ^2/NDF: 37.4/44

In: -46.529+/-52.417 χ^2/NDF:50.2/42

Out: -185.258+/-50.946 χ^2/NDF:76.4/49

All: -117.868+/-36.533 χ^2/NDF: 130.1/92

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 319.064+/-0.073 χ^2/NDF: 649495.1/19

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 327.463+/-0.071 χ^2/NDF: 1036567.6/24

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

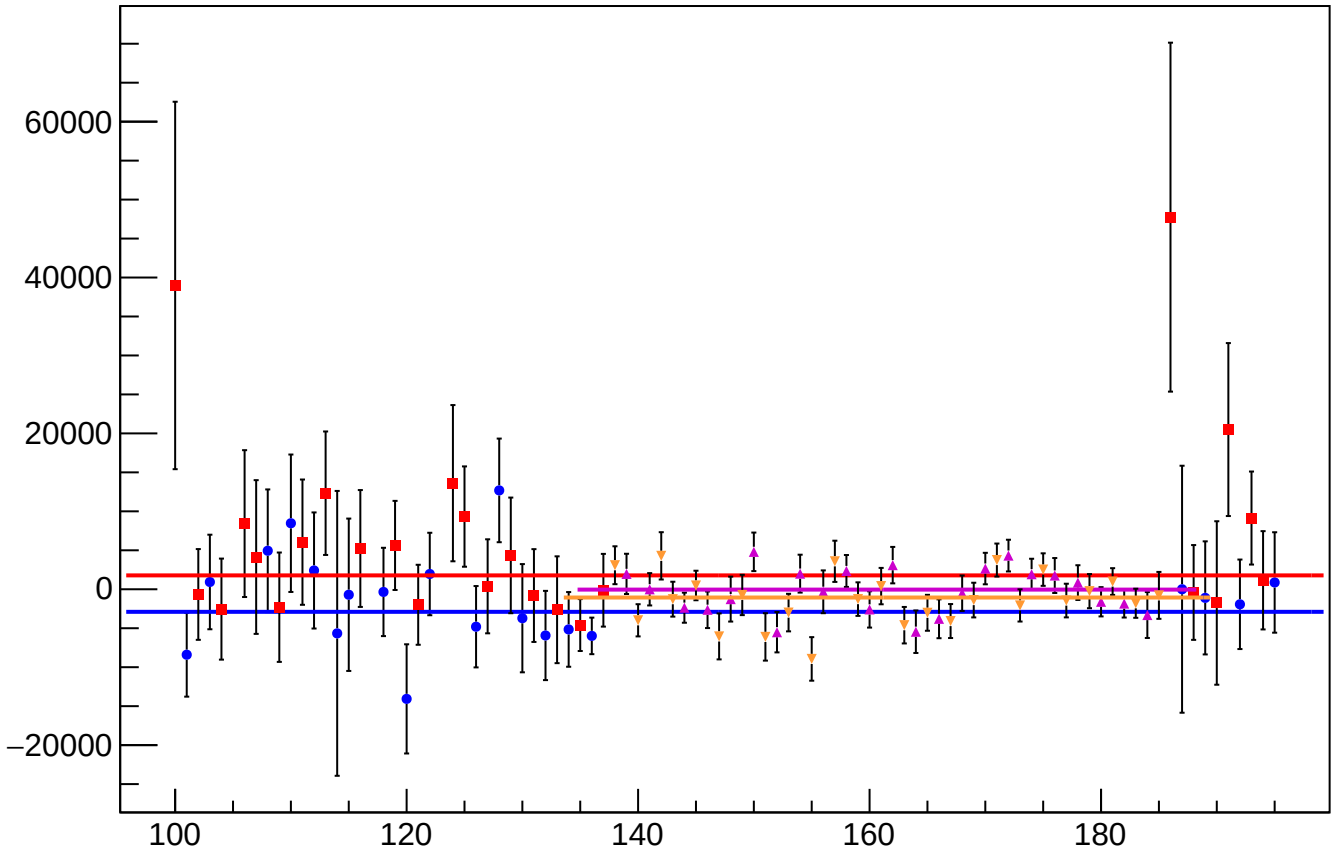
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 323.390+/-0.051 χ^2/NDF: 1692791.6/44

In: 274.167+/-0.037 χ^2/NDF:1395263.3/42

Out: 276.411+/-0.036 χ^2/NDF:1973693.3/49

All: 275.321+/-0.026 χ^2/NDF: 3370840.3/92



Right In: -2895.337+/-1266.932 χ^2/NDF: 16.6/19

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1780.486+/-1313.634 χ^2/NDF: 23.5/24

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

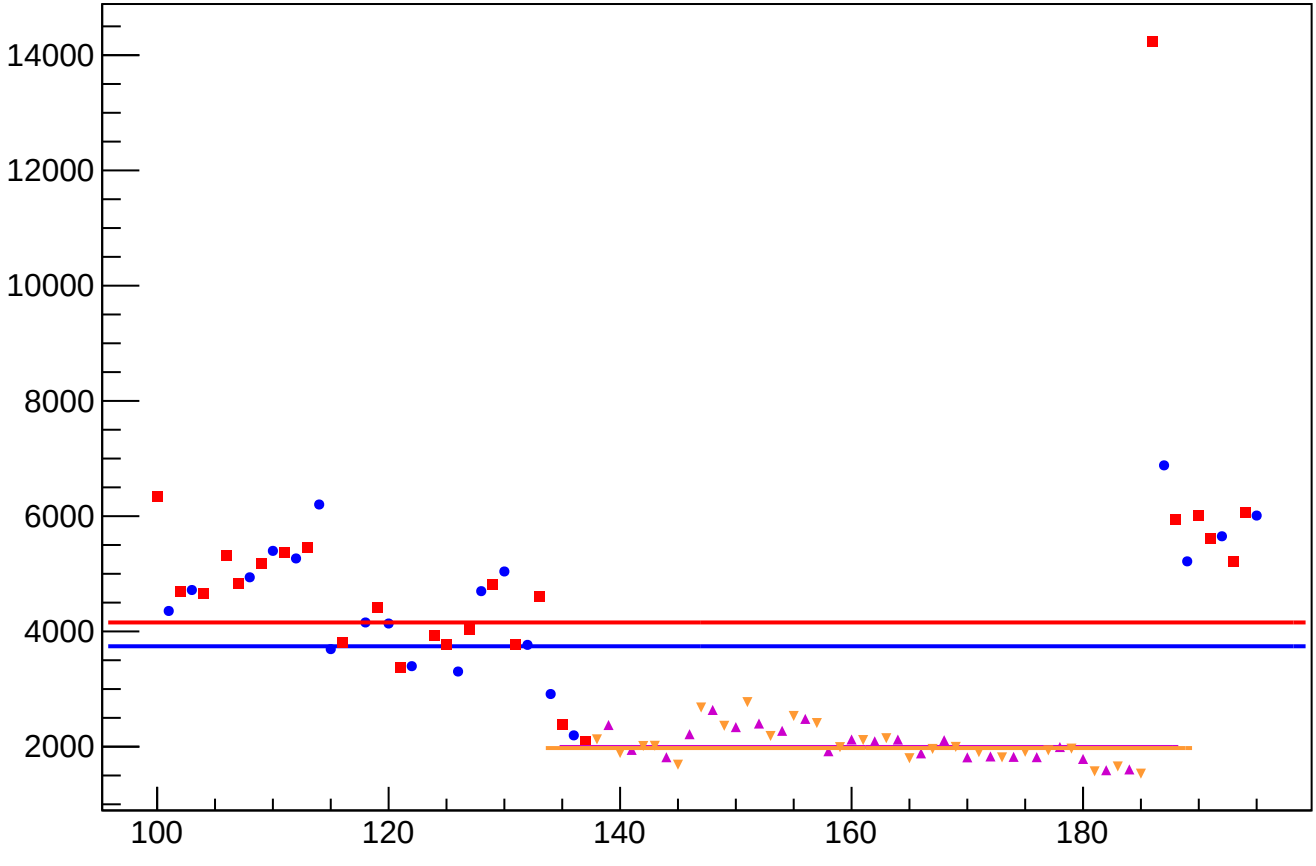
Right: -642.020+/-911.920 χ^2/NDF: 46.6/44

In: -390.150+/-441.232 χ^2/NDF:55.2/42

Out: -755.455+/-429.647 χ^2/NDF:69.1/49

All: -577.661+/-307.821 χ^2/NDF: 124.7/92

asym_sam2_reg_correction_rms vs Slug, Sign Corrected



Right In: 3742.394+/-0.896 χ^2/NDF: 2025279.5/19

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4155.620+/-0.929 χ^2/NDF: 2204609.5/24

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

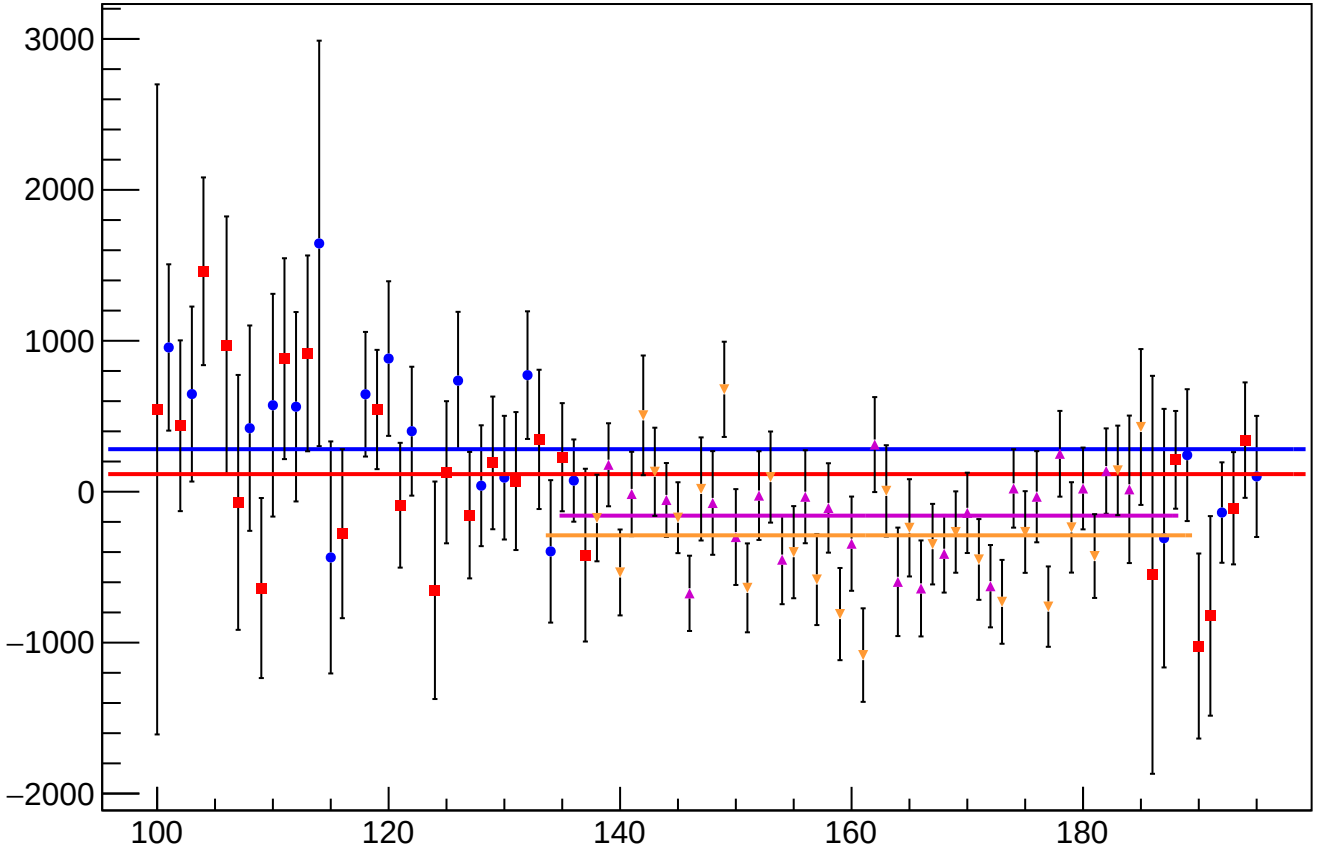
Right: 3941.531+/-0.645 χ^2/NDF: 4332422.1/44

In: 2206.732+/-0.312 χ^2/NDF:5969303.0/42

Out: 2209.132+/-0.304 χ^2/NDF:7885165.8/49

All: 2207.964+/-0.218 χ^2/NDF: 13854499.1/9

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 281.803+/-103.911 χ^2/NDF: 14.3/19

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 116.599+/-100.842 χ^2/NDF: 21.8/24

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

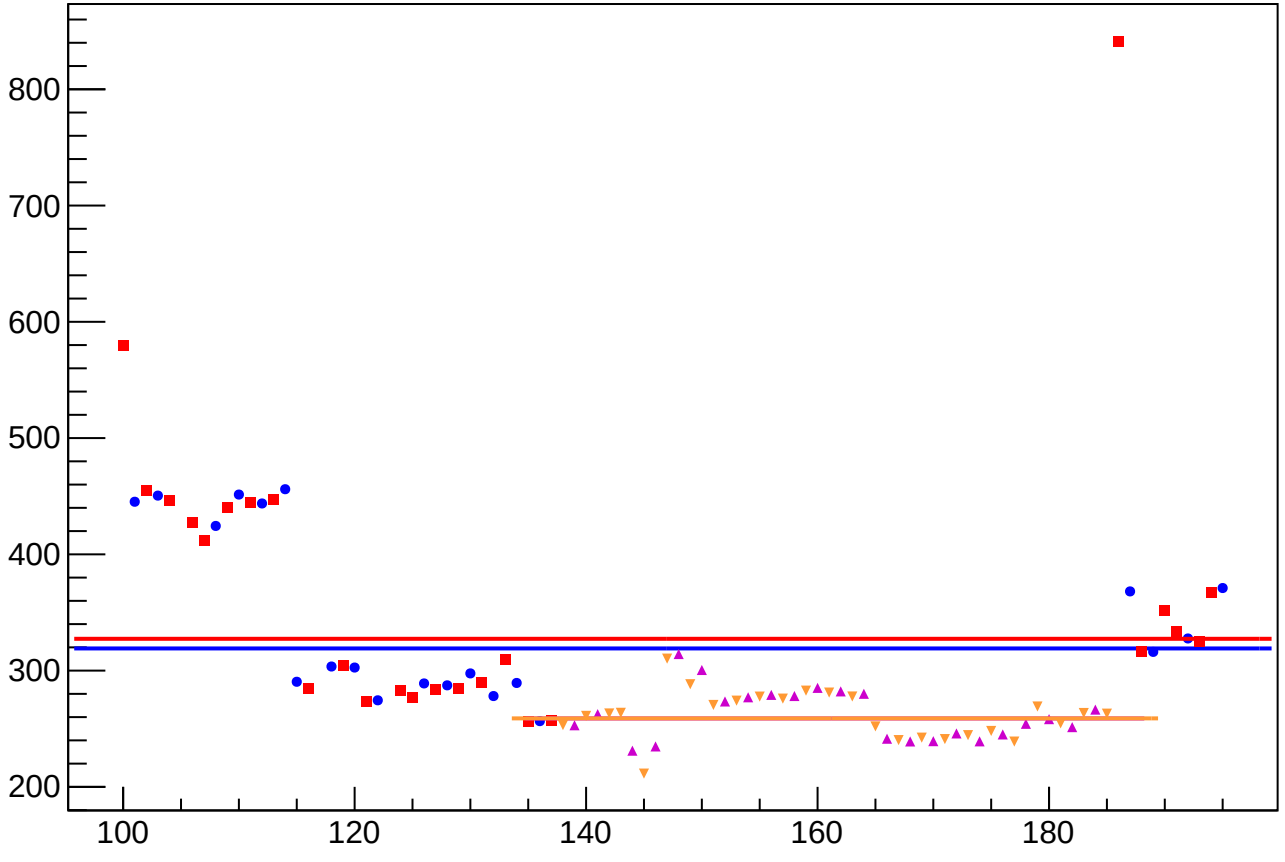
Right: 196.726+/-72.367 χ^2/NDF: 37.4/44

In: -46.541+/-52.417 χ^2/NDF:50.2/42

Out: -185.421+/-50.947 χ^2/NDF:76.2/49

All: -117.957+/-36.534 χ^2/NDF: 130.0/92

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 319.064+/-0.073 χ^2/NDF: 649496.5/19

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 327.360+/-0.071 χ^2/NDF: 1032715.6/24

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

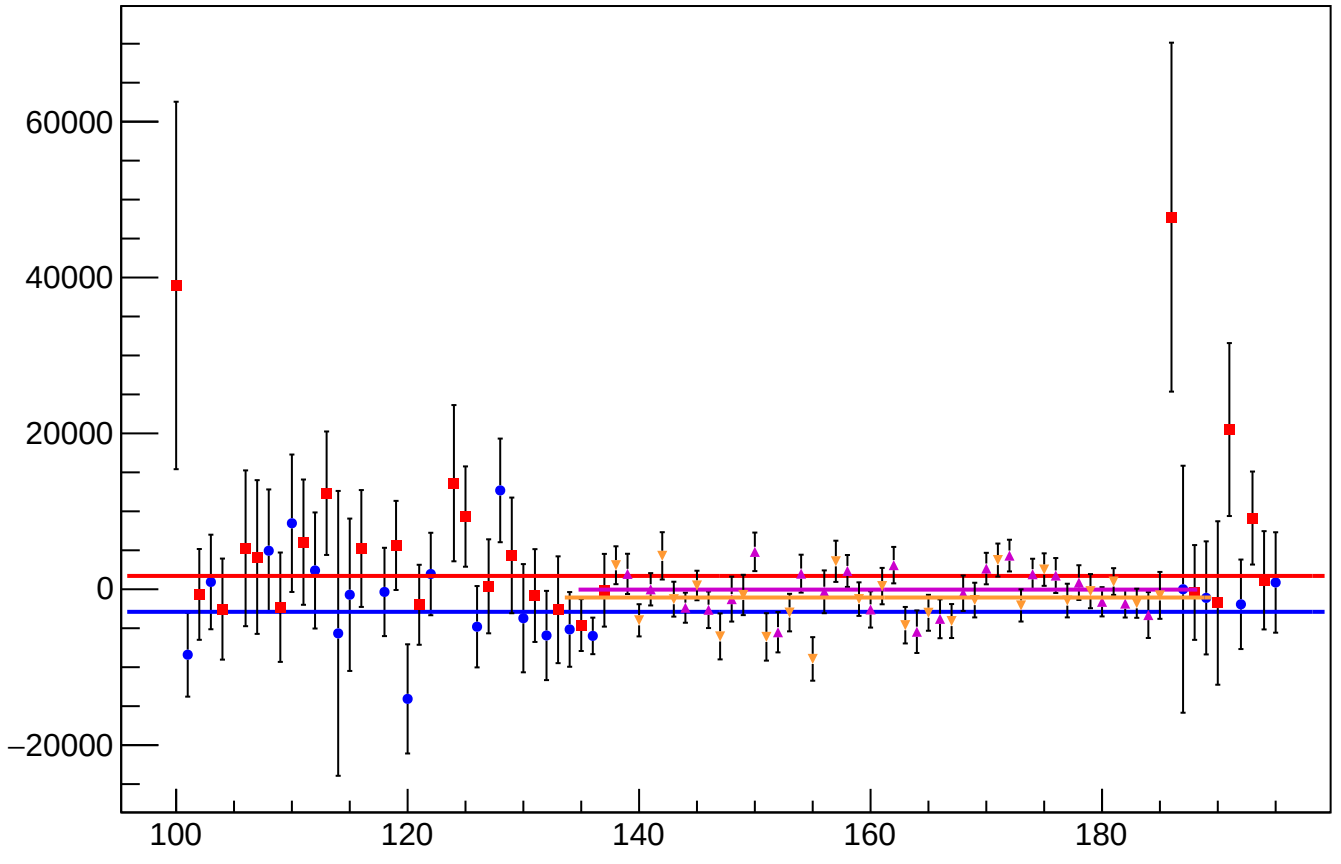
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 323.336+/-0.051 χ^2/NDF: 1688776.2/44

In: 274.167+/-0.037 χ^2/NDF:1395264.9/42

Out: 276.383+/-0.036 χ^2/NDF:1967702.1/49

All: 275.306+/-0.026 χ^2/NDF: 3364803.9/92



Right In: -2895.276+/-1266.934 χ^2/NDF: 16.6/19

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1711.702+/-1315.096 χ^2/NDF: 23.1/24

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

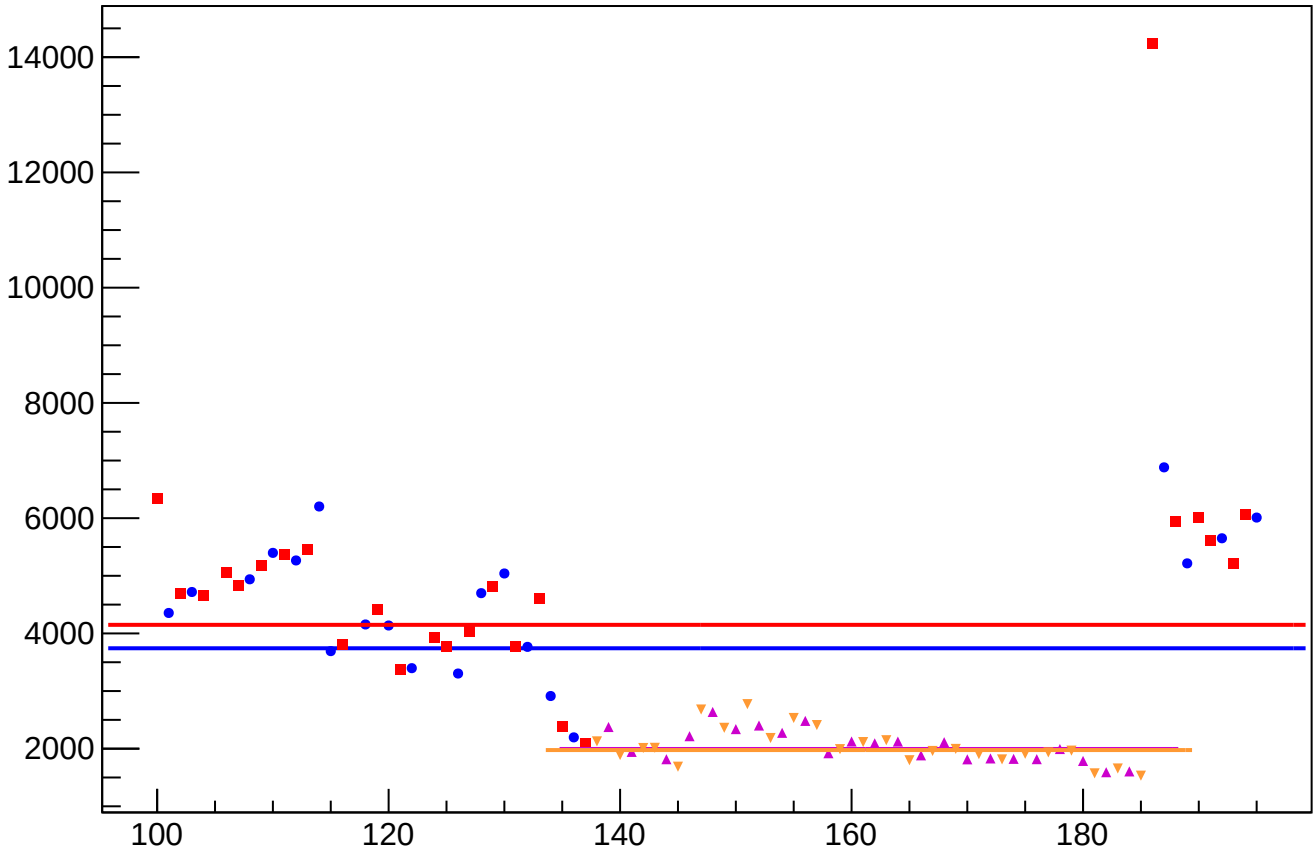
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -677.689+/-912.409 χ^2/NDF: 46.1/44

In: -390.138+/-441.232 χ^2/NDF:55.2/42

Out: -763.405+/-429.698 χ^2/NDF:68.6/49

All: -581.714+/-307.839 χ^2/NDF: 124.2/92



Right In: 3742.399+/-0.896 χ^2/NDF: 2025292.9/19

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4148.954+/-0.930 χ^2/NDF: 2191184.1/24

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

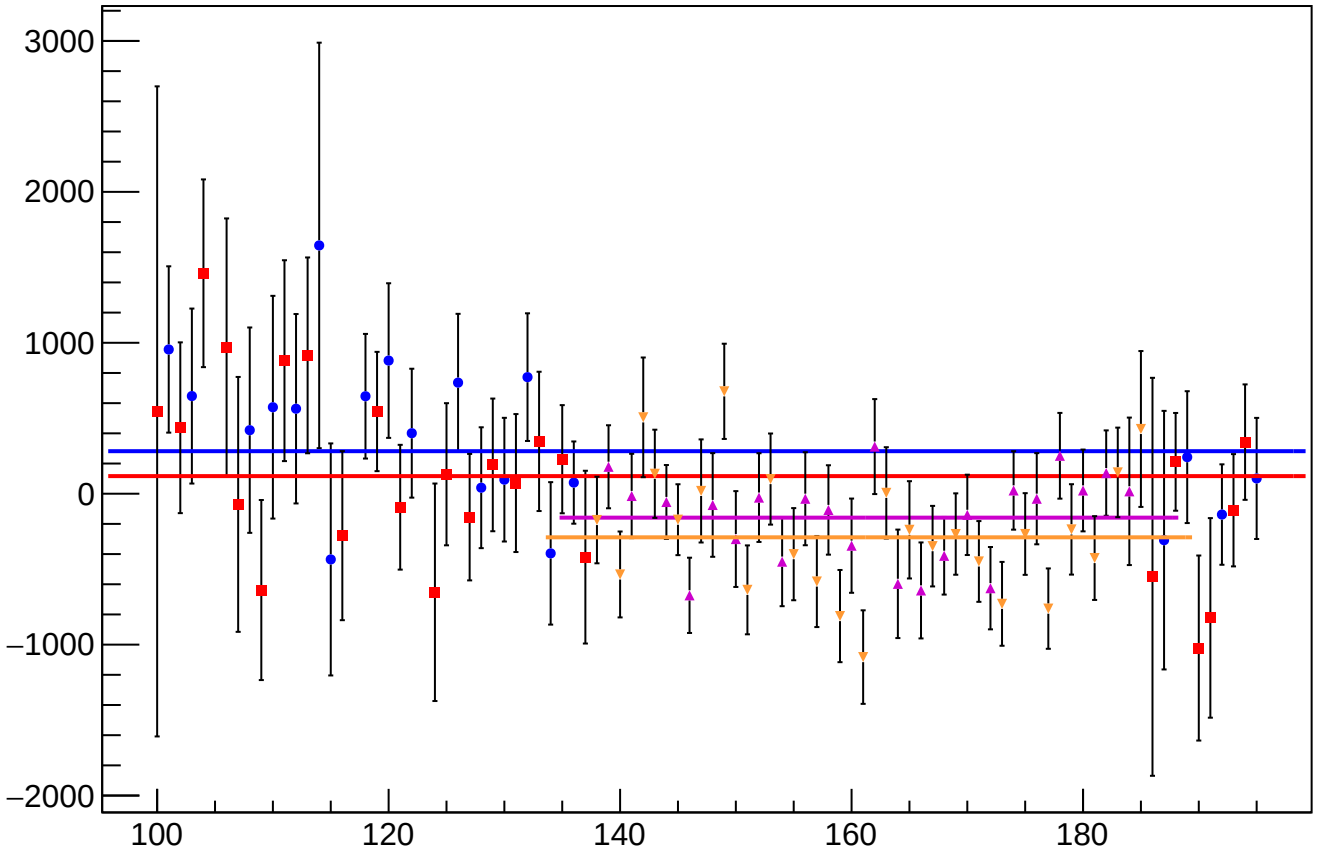
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3938.096+/-0.645 χ^2/NDF: 4315611.9/44

In: 2206.732+/-0.312 χ^2/NDF:5969323.7/42

Out: 2207.958+/-0.304 χ^2/NDF:7832013.0/49

All: 2207.361+/-0.218 χ^2/NDF: 13801344.6/9



Right In: 281.803+/-103.911 χ^2/NDF: 14.3/19

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 116.599+/-100.842 χ^2/NDF: 21.8/24

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

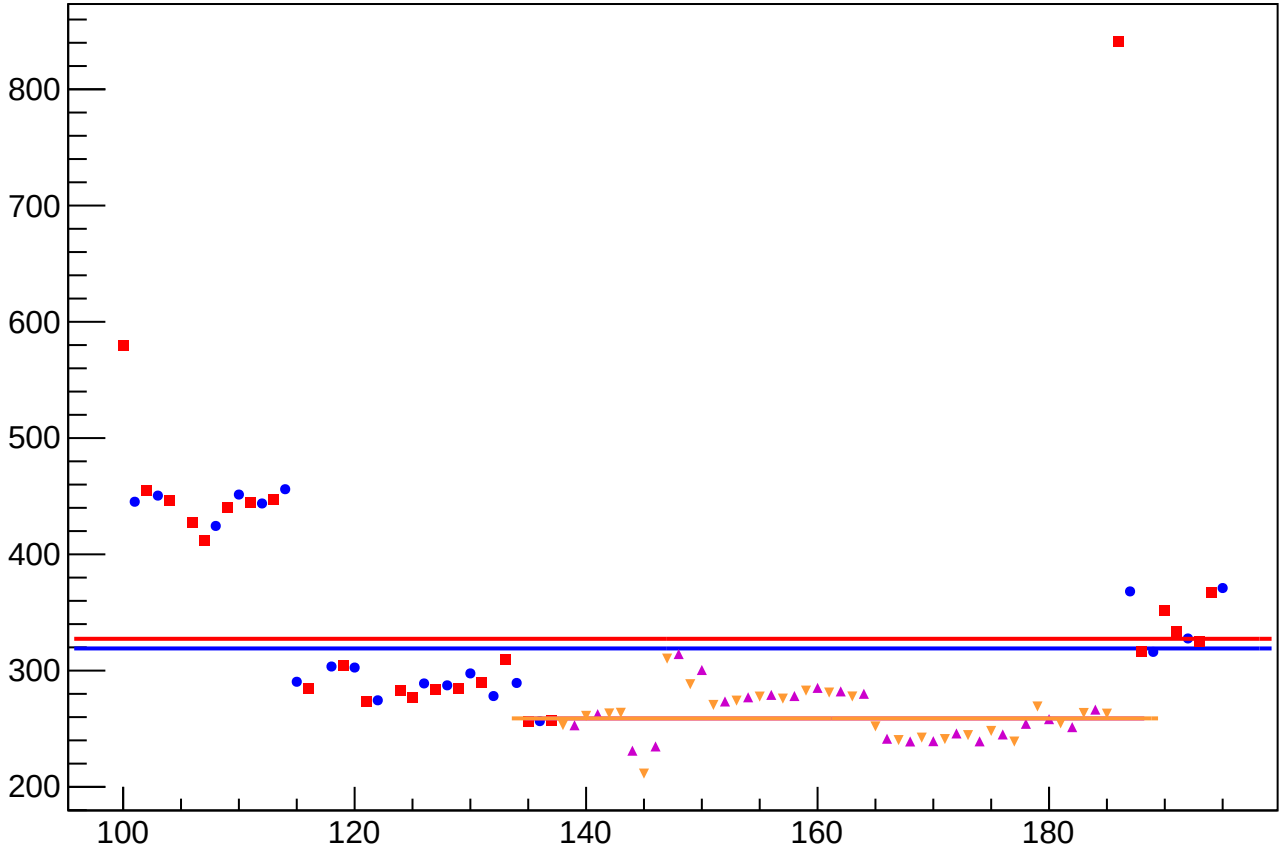
Right: 196.726+/-72.367 χ^2/NDF: 37.4/44

In: -46.541+/-52.417 χ^2/NDF:50.2/42

Out: -185.421+/-50.947 χ^2/NDF:76.2/49

All: -117.957+/-36.534 χ^2/NDF: 130.0/92

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 319.064+/-0.073 χ^2/NDF: 649496.5/19

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 327.360+/-0.071 χ^2/NDF: 1032715.6/24

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

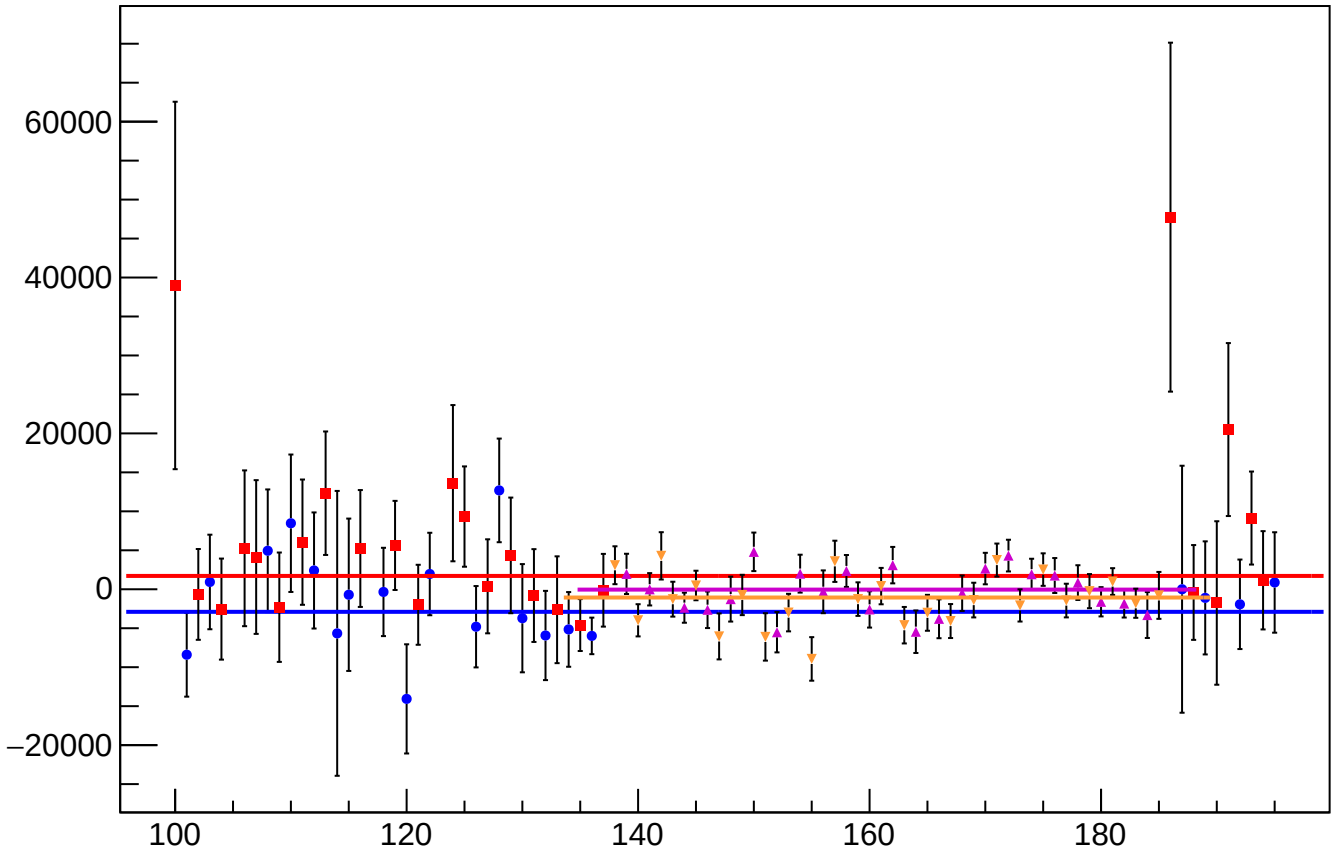
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 323.336+/-0.051 χ^2/NDF: 1688776.2/44

In: 274.167+/-0.037 χ^2/NDF:1395264.9/42

Out: 276.383+/-0.036 χ^2/NDF:1967702.1/49

All: 275.306+/-0.026 χ^2/NDF: 3364803.9/92



Right In: -2895.276+/-1266.934 χ^2/NDF: 16.6/19

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1711.702+/-1315.096 χ^2/NDF: 23.1/24

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

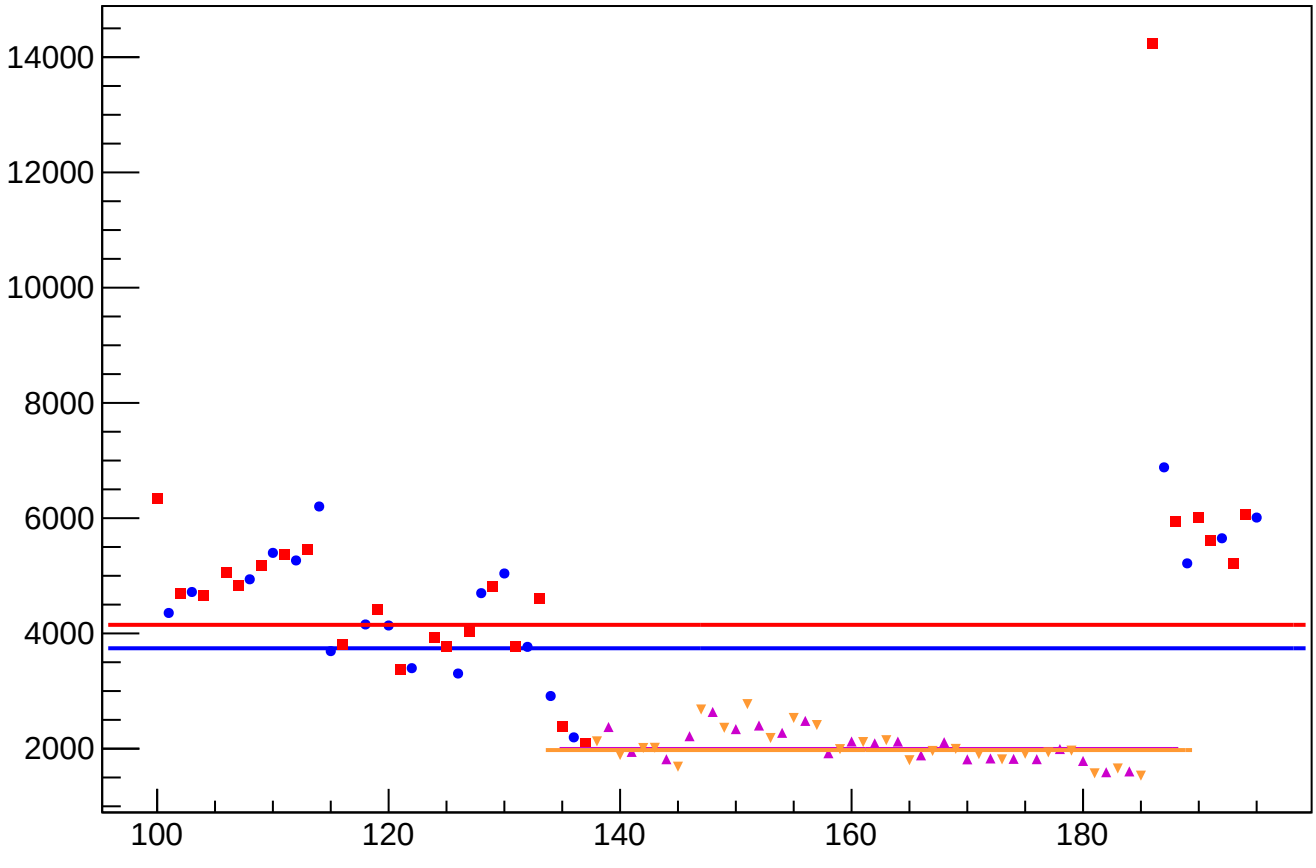
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -677.689+/-912.409 χ^2/NDF: 46.1/44

In: -390.138+/-441.232 χ^2/NDF:55.2/42

Out: -763.405+/-429.698 χ^2/NDF:68.6/49

All: -581.714+/-307.839 χ^2/NDF: 124.2/92



Right In: 3742.399+/-0.896 χ^2/NDF: 2025292.9/19

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4148.954+/-0.930 χ^2/NDF: 2191184.1/24

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

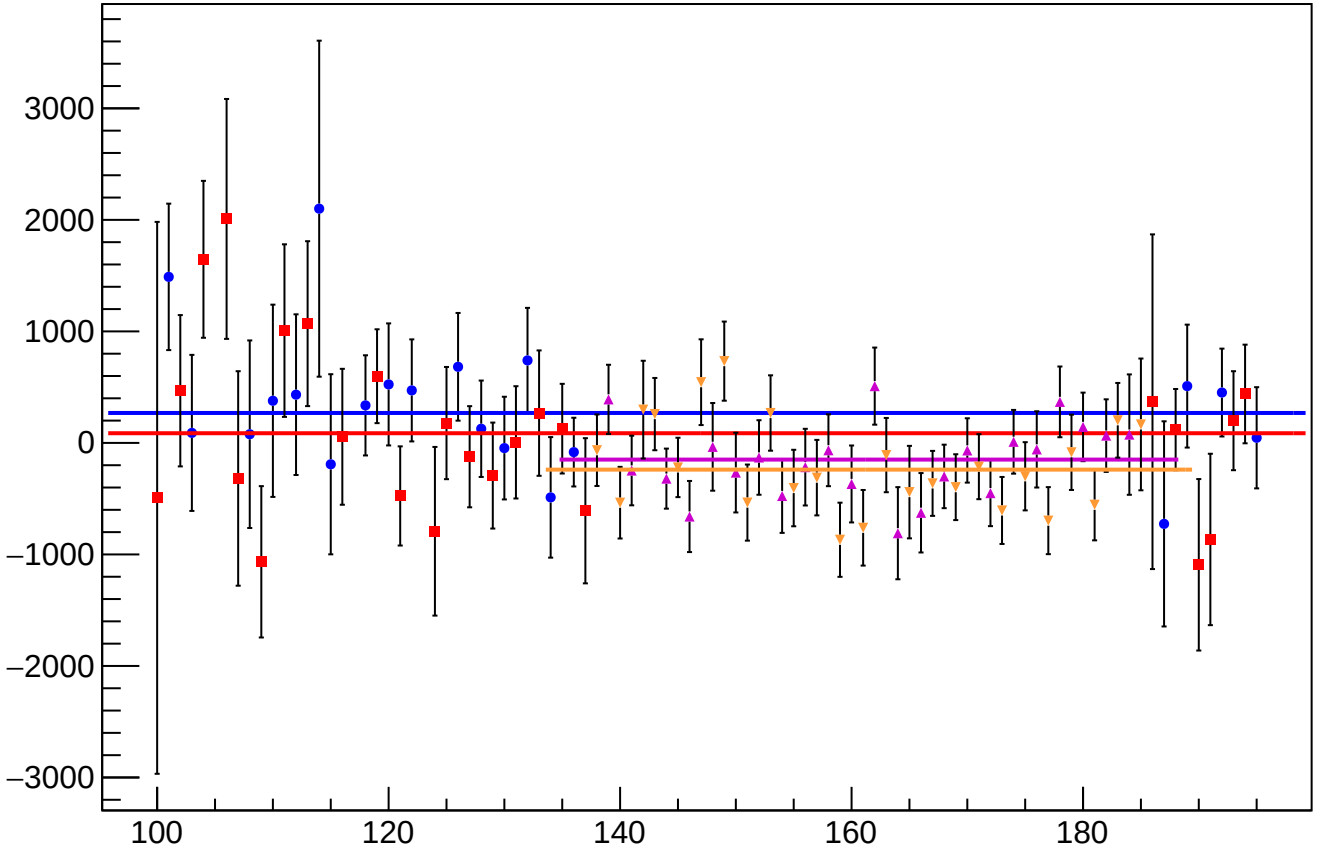
Right: 3938.096+/-0.645 χ^2/NDF: 4315611.9/44

In: 2206.732+/-0.312 χ^2/NDF:5969323.7/42

Out: 2207.958+/-0.304 χ^2/NDF:7832013.0/49

All: 2207.361+/-0.218 χ^2/NDF: 13801344.6/9

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 268.581+/-117.278 χ^2/NDF: 13.3/19

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 86.859+/-113.532 χ^2/NDF: 26.0/24

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

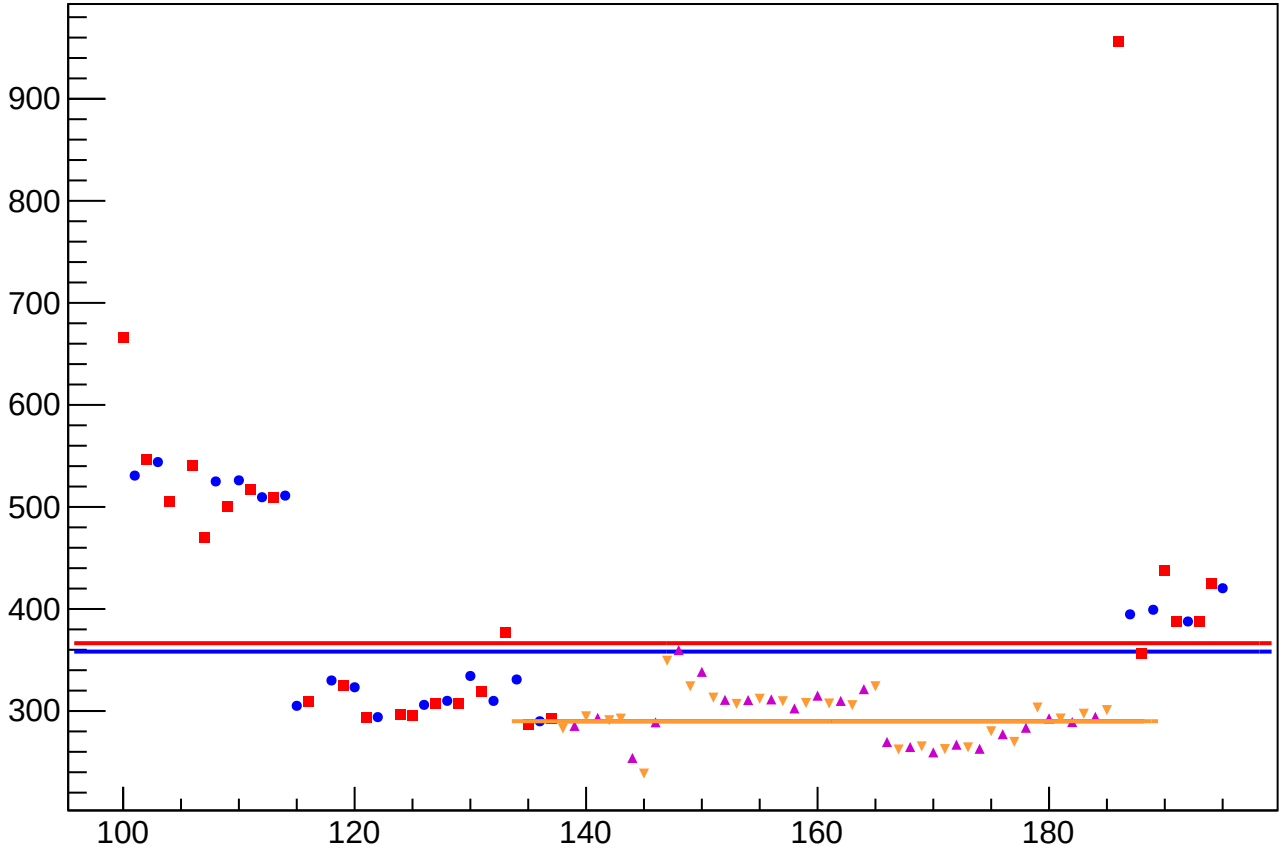
Right: 174.771+/-81.571 χ^2/NDF: 40.5/44

In: -43.953+/-58.930 χ^2/NDF:44.5/42

Out: -156.790+/-57.167 χ^2/NDF:66.2/49

All: -102.085+/-41.032 χ^2/NDF: 112.5/92

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 358.228+/-0.083 χ^2/NDF: 847490.7/19

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 366.500+/-0.080 χ^2/NDF: 1254722.1/24

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

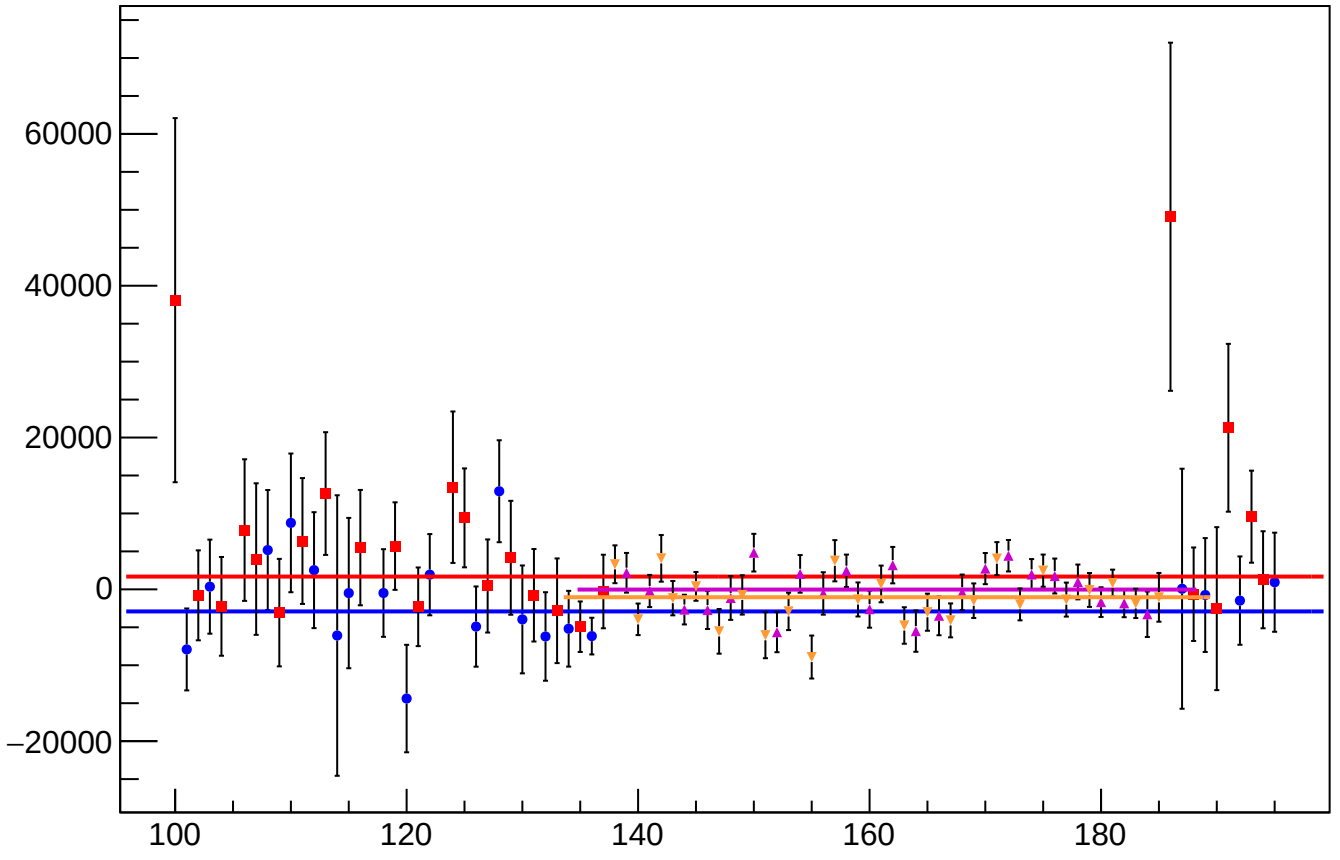
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 362.498+/-0.058 χ^2/NDF: 2107349.8/44

In: 307.183+/-0.042 χ^2/NDF:1624017.3/42

Out: 309.413+/-0.040 χ^2/NDF:2212801.2/49

All: 308.332+/-0.029 χ^2/NDF: 3838294.8/92



Right In: -2908.824+/-1294.542 χ^2/NDF: 16.6/19

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1682.772+/-1329.810 χ^2/NDF: 24.3/24

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

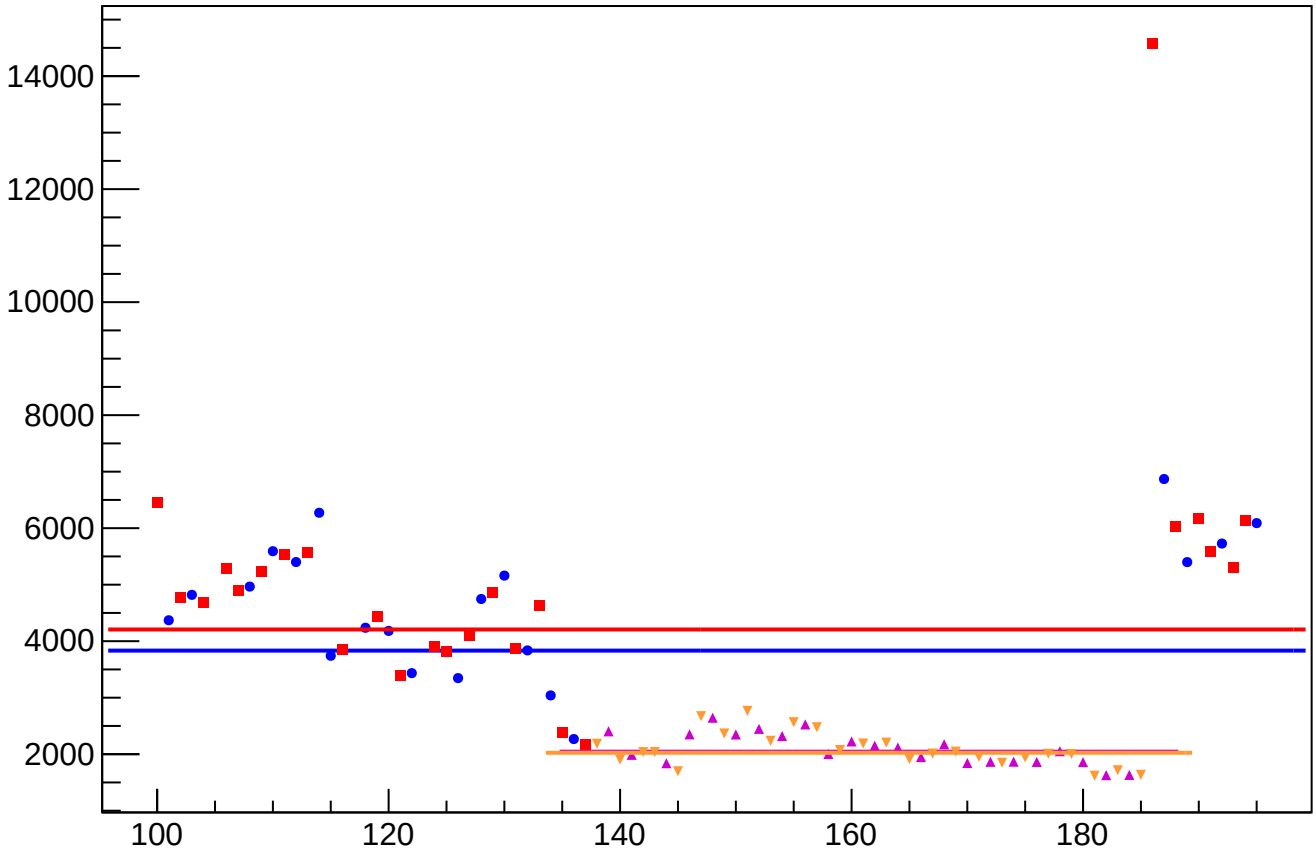
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -674.721+/-927.597 χ^2/NDF: 47.1/44

In: -381.208+/-451.936 χ^2/NDF:55.1/42

Out: -739.949+/-439.211 χ^2/NDF:68.3/49

All: -565.700+/-314.972 χ^2/NDF: 123.7/92



Right In: 3833.151+/-0.915 χ^2/NDF: 1955211.9/19

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4207.238+/-0.940 χ^2/NDF: 2212573.6/24

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

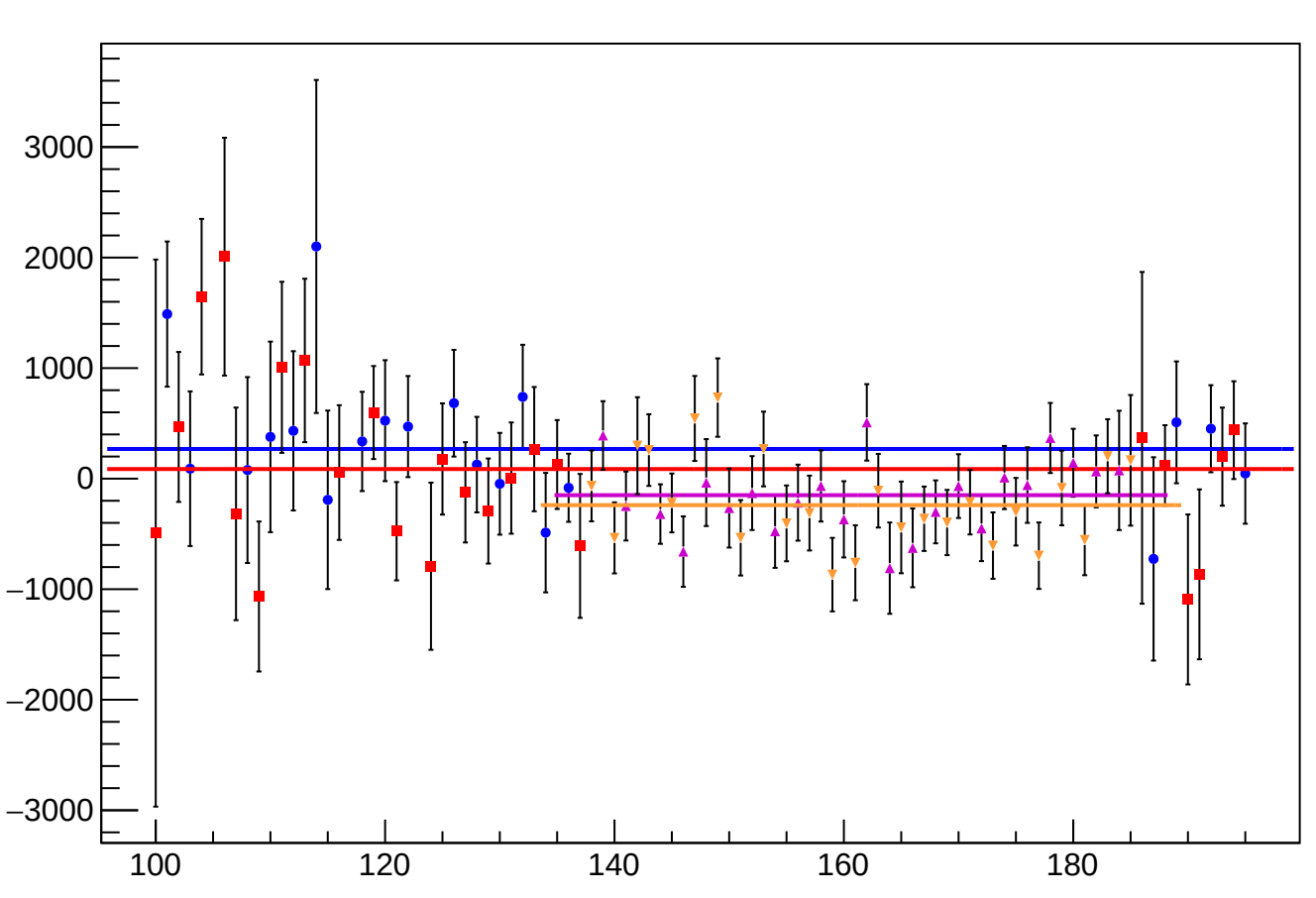
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4015.168+/-0.656 χ^2/NDF: 4249046.5/44

In: 2262.516+/-0.320 χ^2/NDF:5892822.3/42

Out: 2263.126+/-0.311 χ^2/NDF:7711359.6/49

All: 2262.830+/-0.223 χ^2/NDF: 13604183.8/9



Right In: 268.584+/-117.278 χ^2/NDF: 13.3/19

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 86.859+/-113.532 χ^2/NDF: 25.9/24

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

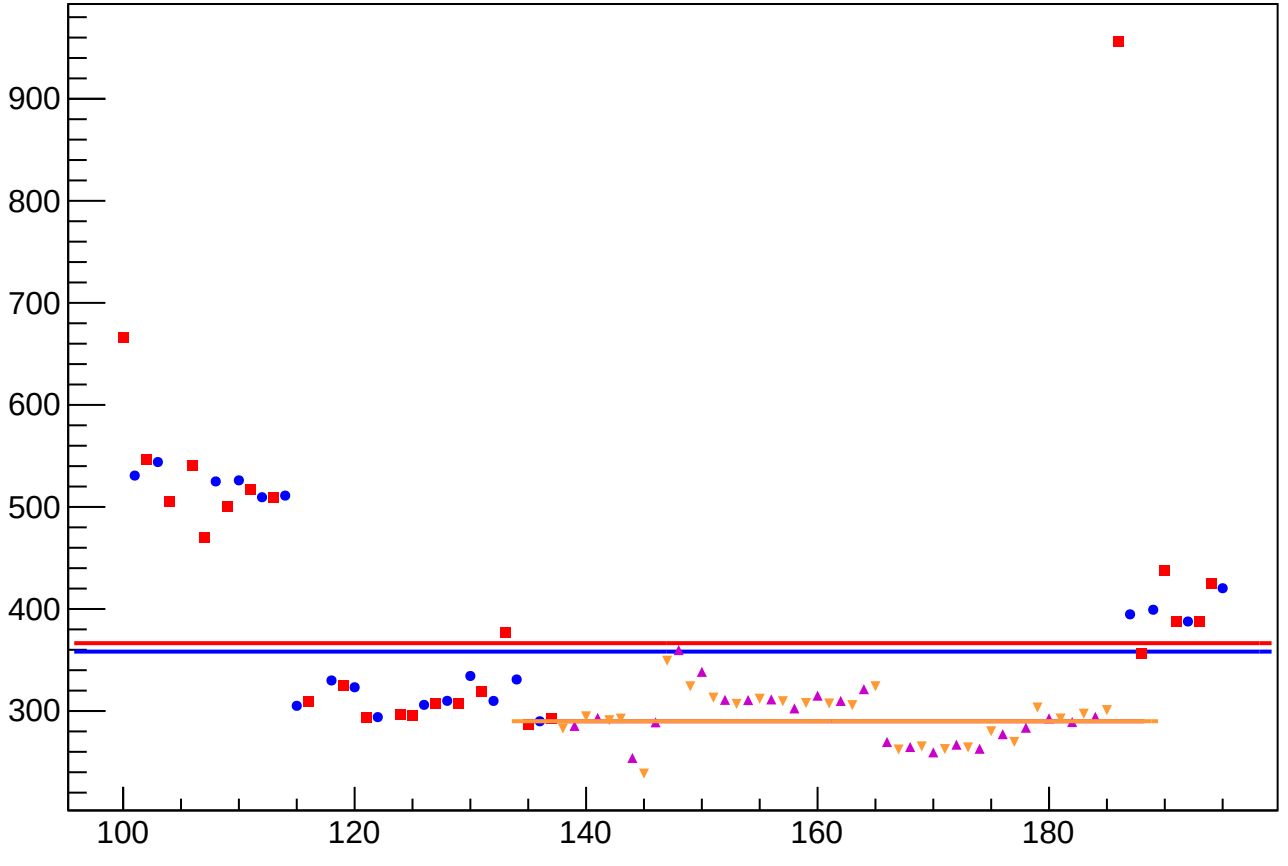
Right: 174.773+/-81.571 χ^2/NDF: 40.5/44

In: -43.952+/-58.930 χ^2/NDF:44.5/42

Out: -156.792+/-57.167 χ^2/NDF:66.2/49

All: -102.085+/-41.032 χ^2/NDF: 112.5/92

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 358.226+/-0.083 χ^2/NDF: 847489.2/19

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 366.499+/-0.080 χ^2/NDF: 1254712.6/24

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

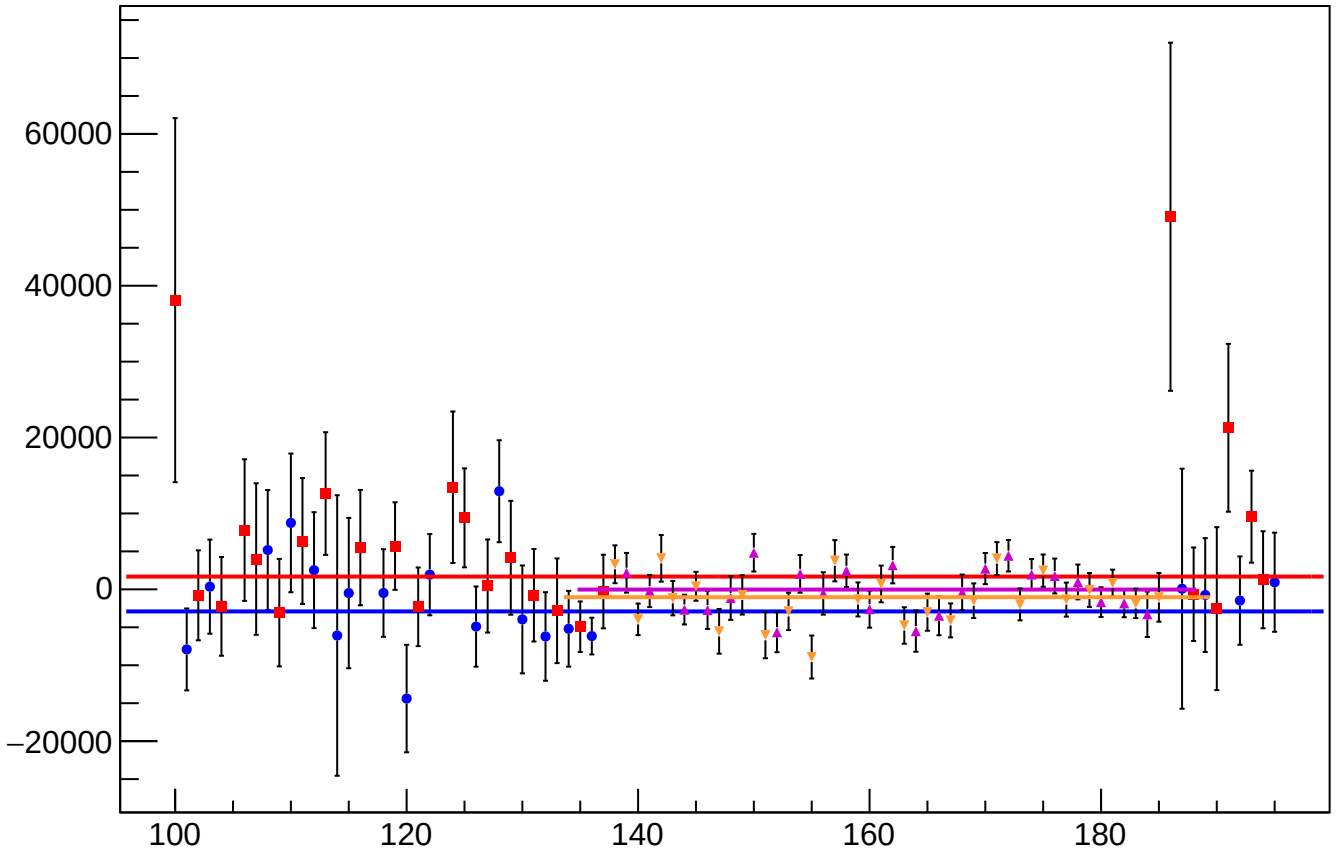
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 362.497+/-0.058 χ^2/NDF: 2107339.9/44

In: 307.182+/-0.042 χ^2/NDF:1623997.8/42

Out: 309.413+/-0.040 χ^2/NDF:2212782.8/49

All: 308.332+/-0.029 χ^2/NDF: 3838257.2/92



Right In: -2908.817+/-1294.540 χ^2/NDF: 16.6/19

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1682.774+/-1329.808 χ^2/NDF: 24.3/24

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

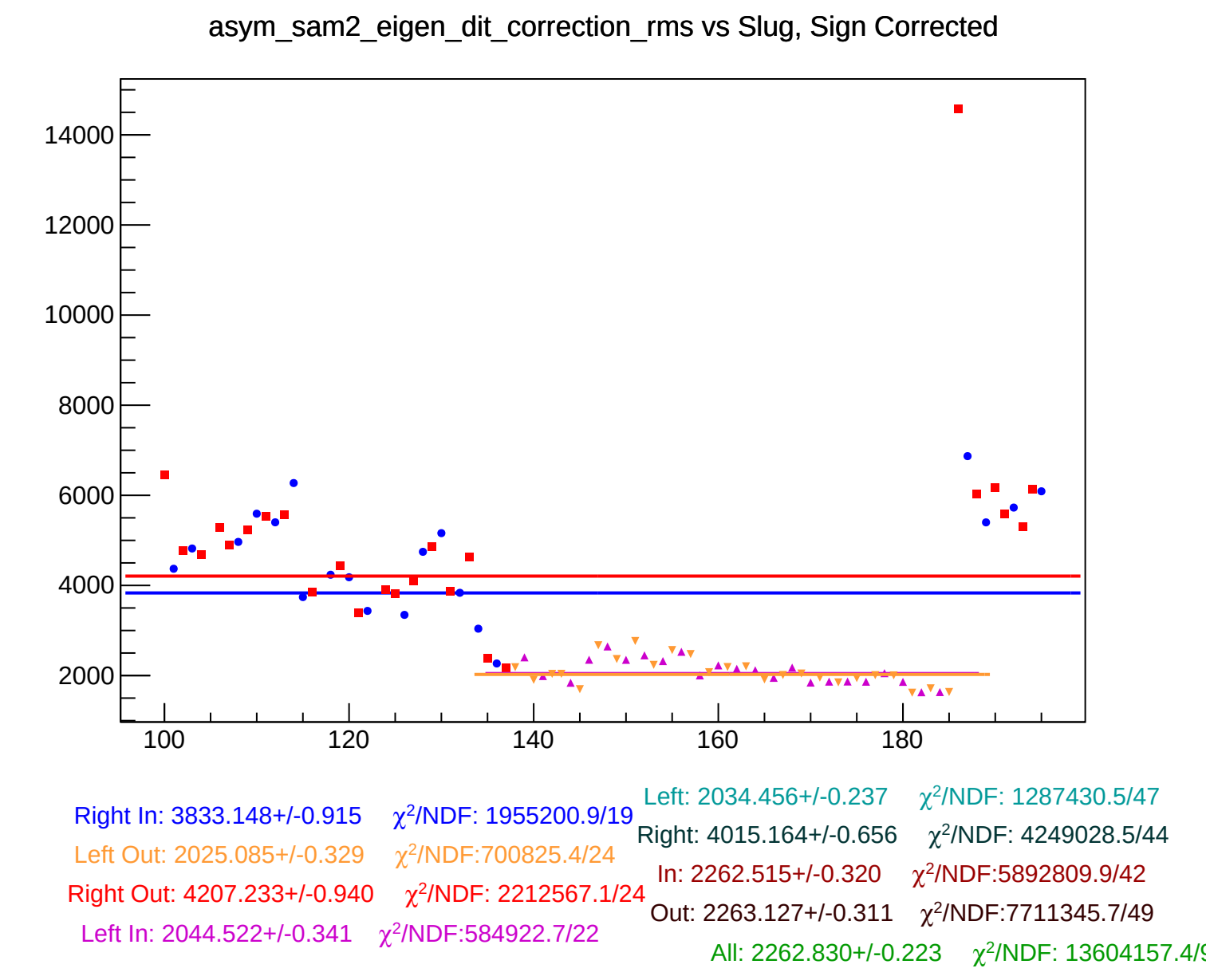
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -674.716+/-927.596 χ^2/NDF: 47.1/44

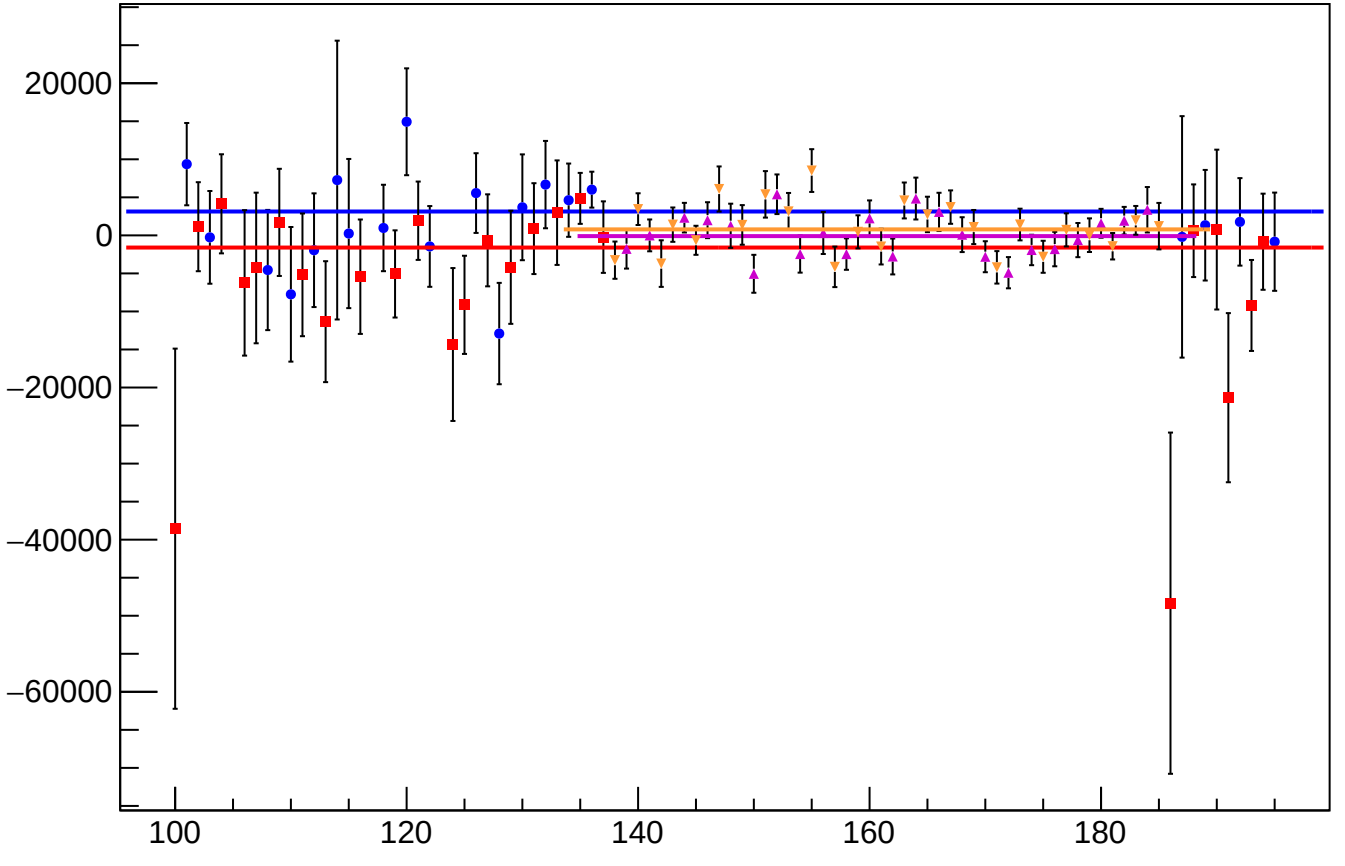
In: -381.207+/-451.936 χ^2/NDF:55.1/42

Out: -739.947+/-439.211 χ^2/NDF:68.3/49

All: -565.699+/-314.972 χ^2/NDF: 123.7/92


asym_sam2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 3833.148+/-0.915 χ²/NDF: 1955200.9/19
Left Out: 2025.085+/-0.329 χ²/NDF:700825.4/24
Right Out: 4207.233+/-0.940 χ²/NDF: 2212567.1/24
Left In: 2044.522+/-0.341 χ²/NDF:584922.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287430.5/47
Right: 4015.164+/-0.656 χ²/NDF: 4249028.5/44
In: 2262.515+/-0.320 χ²/NDF:5892809.9/42
Out: 2263.127+/-0.311 χ²/NDF:7711345.7/49
All: 2262.830+/-0.223 χ²/NDF: 13604157.4/9

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3138.183+/-1272.583 χ^2/NDF: 16.9/19

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1600.282+/-1318.800 χ^2/NDF: 23.6/24

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

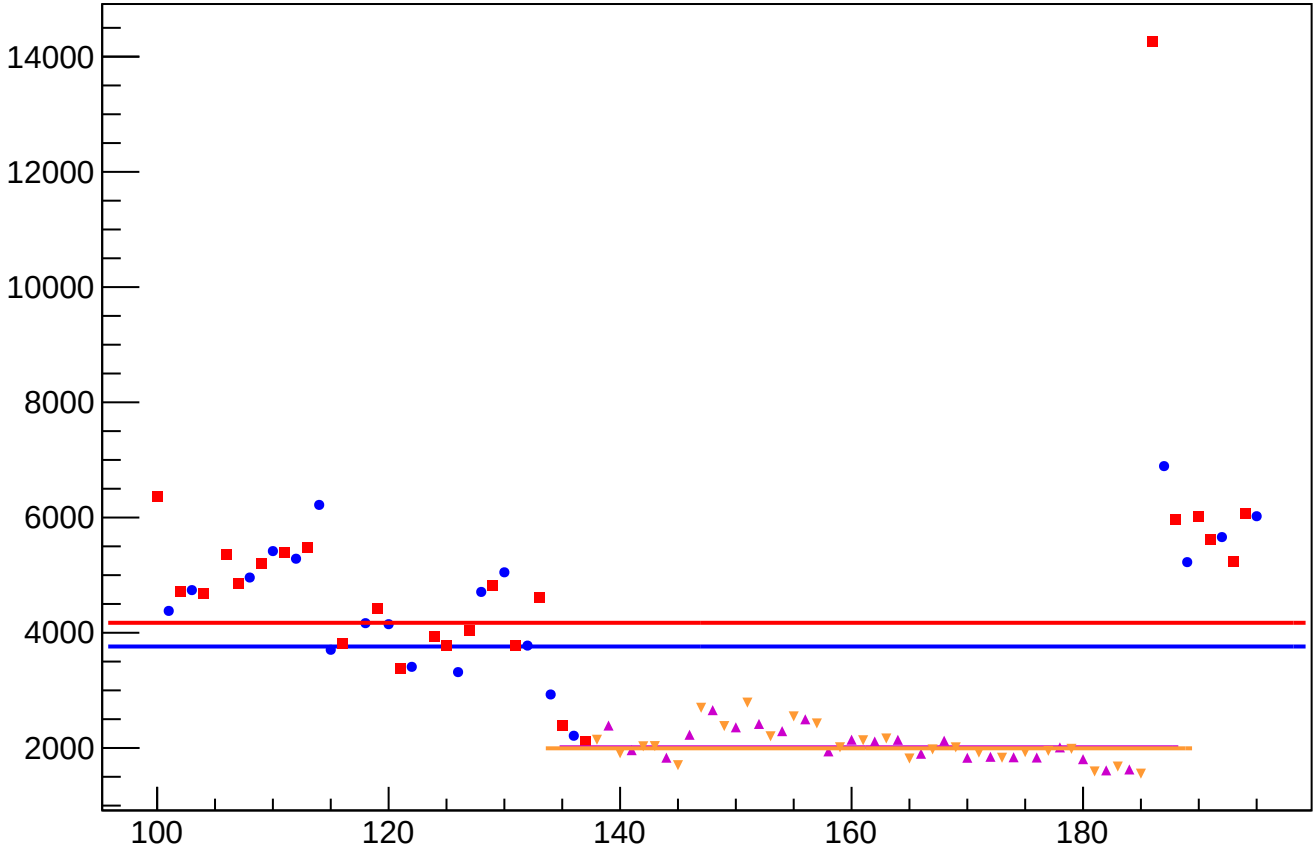
Right: 853.433+/-915.755 χ^2/NDF: 47.2/44

In: 298.592+/-444.867 χ^2/NDF:55.4/42

Out: 530.516+/-433.264 χ^2/NDF:67.9/49

All: 417.618+/-310.385 χ^2/NDF: 123.4/92

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3761.488+/-0.900 χ^2/NDF: 2004394.1/19

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4173.042+/-0.933 χ^2/NDF: 2188637.6/24

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

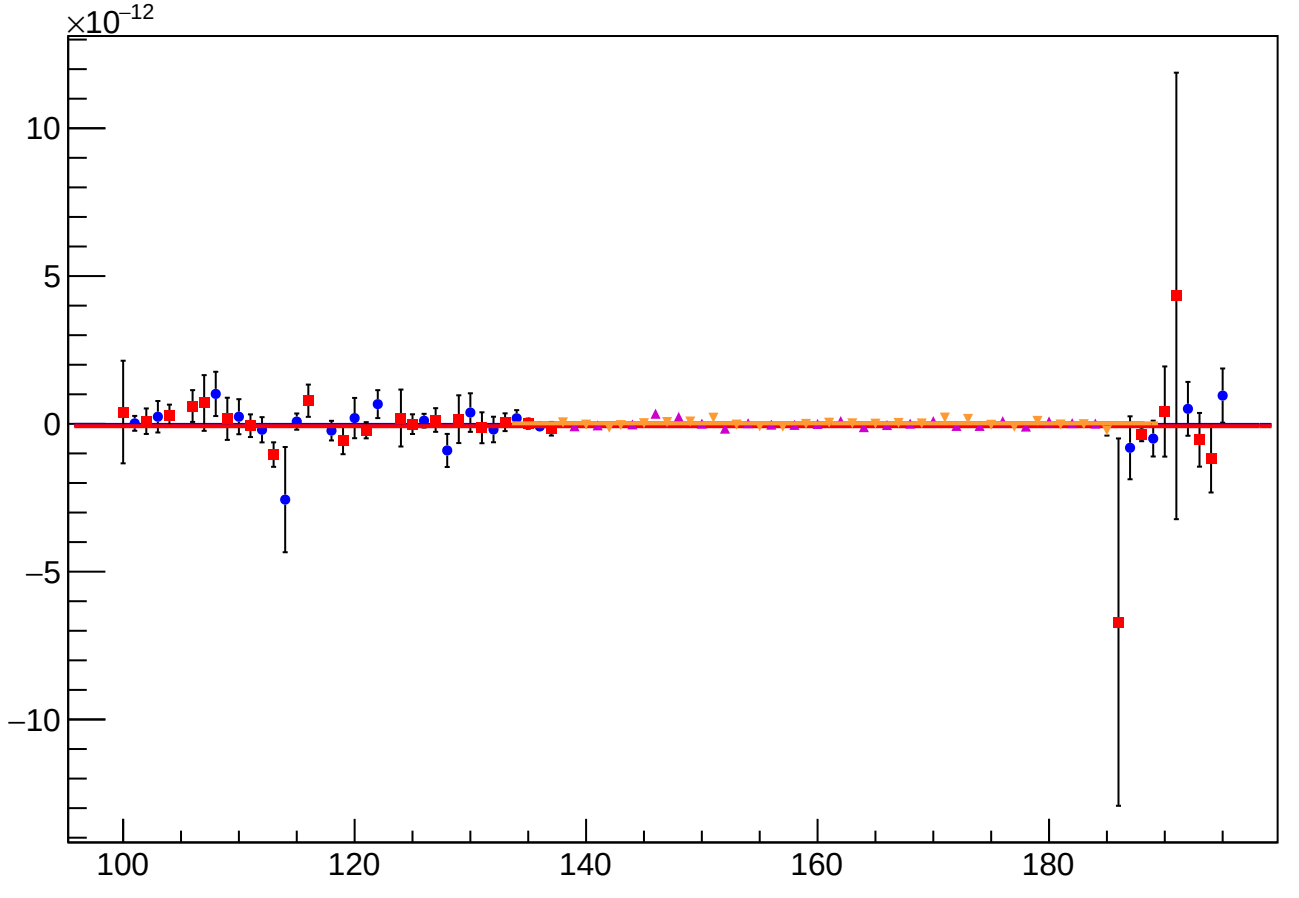
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 3959.927+/-0.648 χ^2/NDF: 4293890.5/44

In: 2226.403+/-0.315 χ^2/NDF:5907001.9/42

Out: 2229.406+/-0.306 χ^2/NDF:7804854.4/49

All: 2227.944+/-0.219 χ^2/NDF: 13711903.0/9



Right In: -0.000+/-0.000 χ^2/NDF: 14.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/24

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

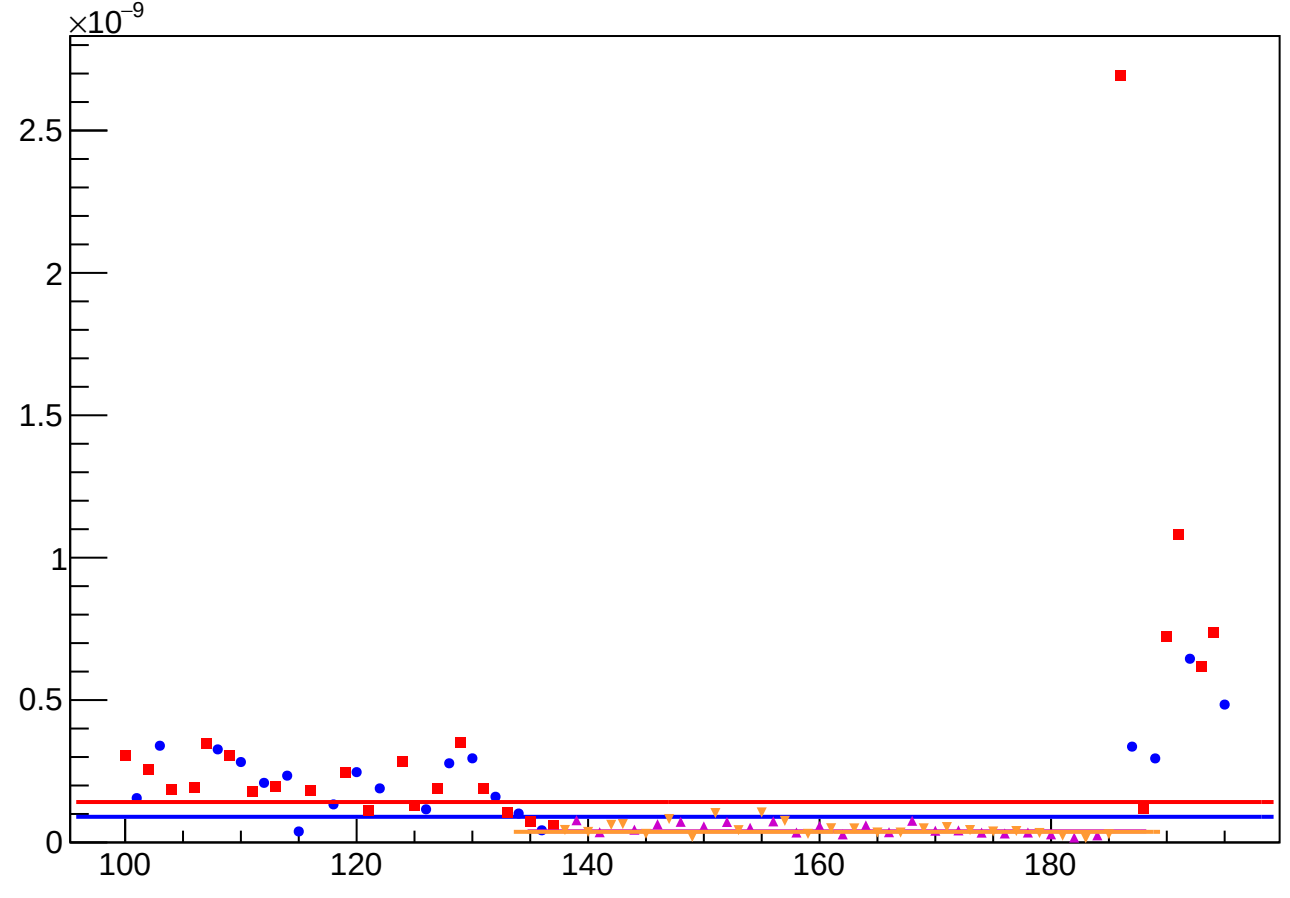
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 32.8/44

In: 0.000+/-0.000 χ^2/NDF:45.9/42

Out: 0.000+/-0.000 χ^2/NDF:40.7/49

All: 0.000+/-0.000 χ^2/NDF: 86.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 4177323.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3187406.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

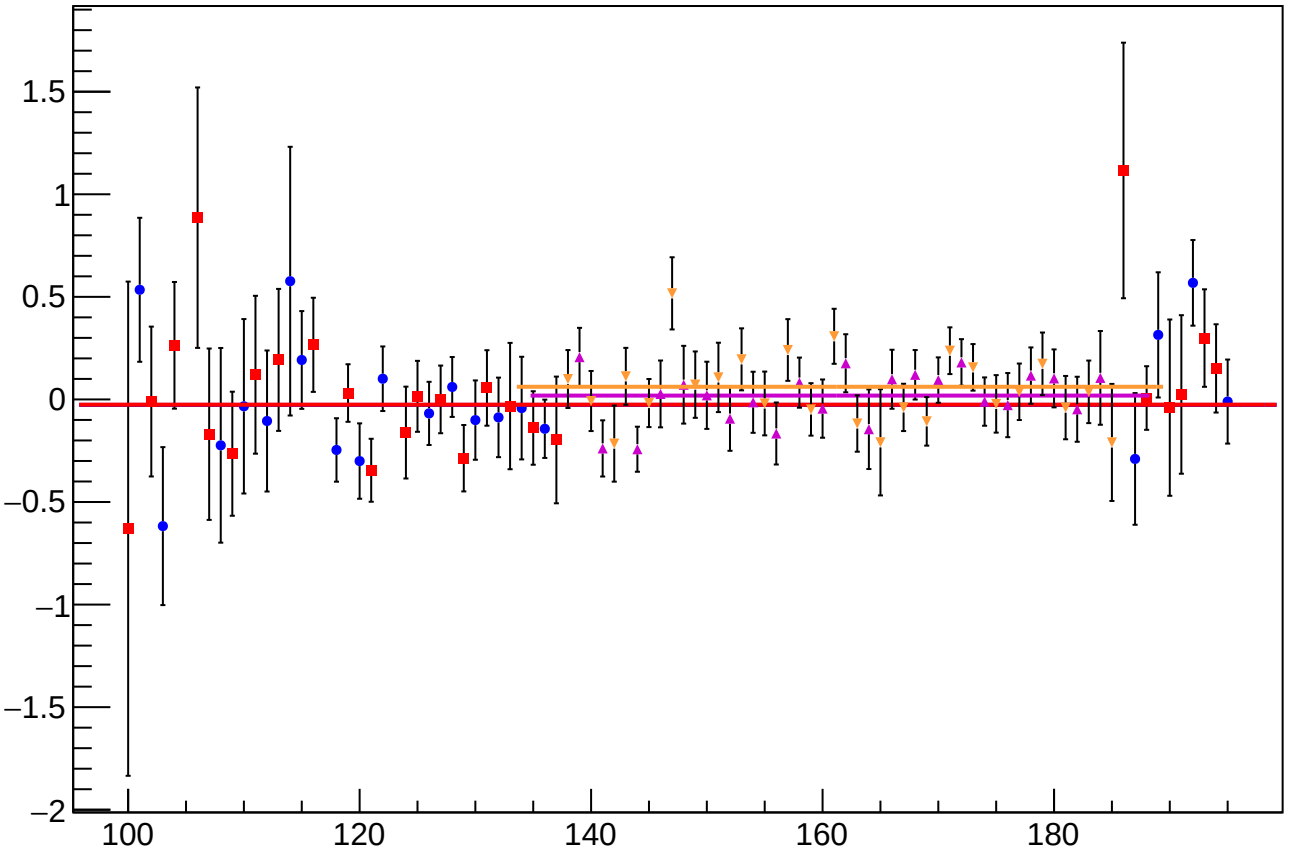
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 7911737.3/44

In: 0.000+/-0.000 χ^2/NDF:7440738.4/42

Out: 0.000+/-0.000 χ^2/NDF:8886613.3/49

All: 0.000+/-0.000 χ^2/NDF: 16338206.2/92



Right In: -0.027+/-0.048 χ^2/NDF: 23.1/19

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

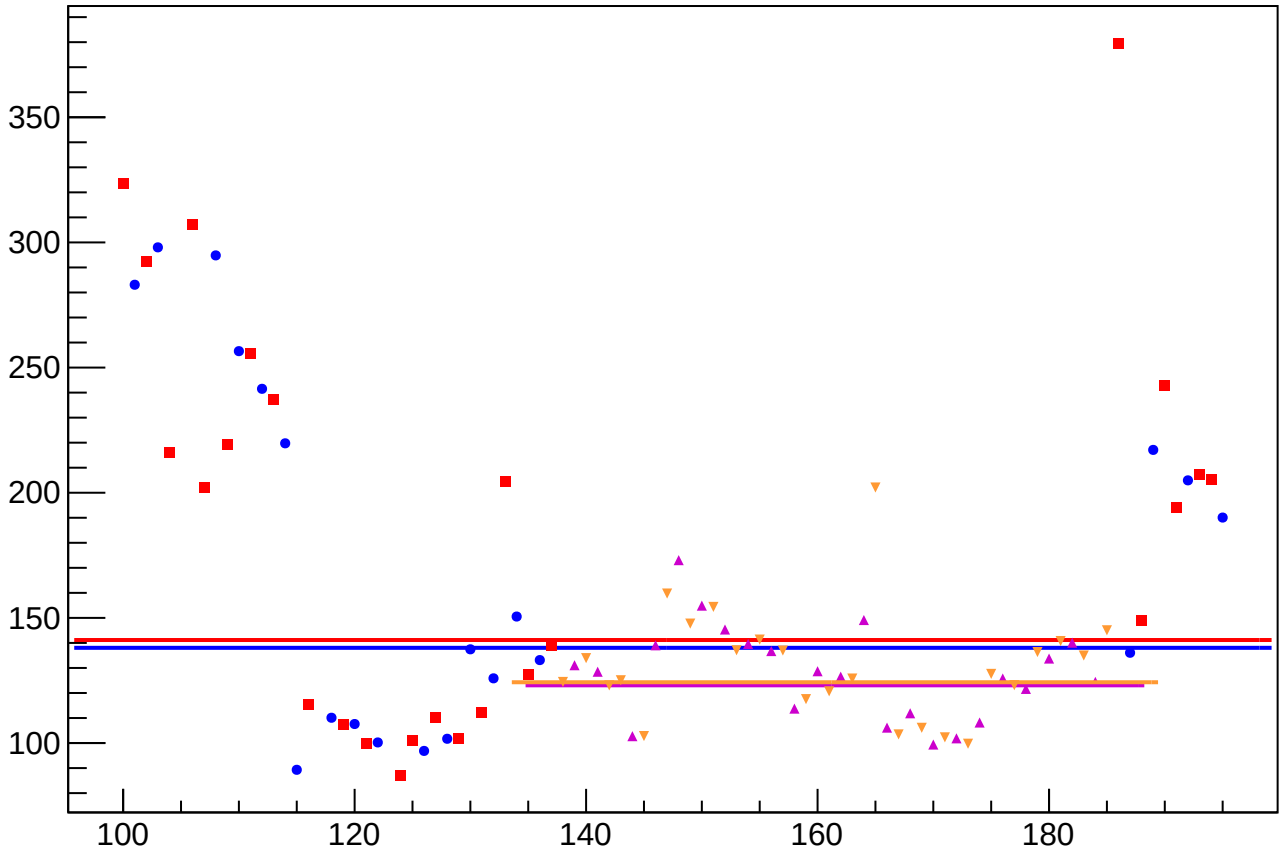
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.026+/-0.033 χ^2/NDF: 43.7/44

In: 0.006+/-0.025 χ^2/NDF:44.1/42

Out: 0.037+/-0.024 χ^2/NDF:50.5/49

All: 0.022+/-0.017 χ^2/NDF: 95.4/92



Right In: 138.046+/-0.034 χ^2/NDF: 2343797.1/19

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 141.162+/-0.033 χ^2/NDF: 2773673.3/24

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

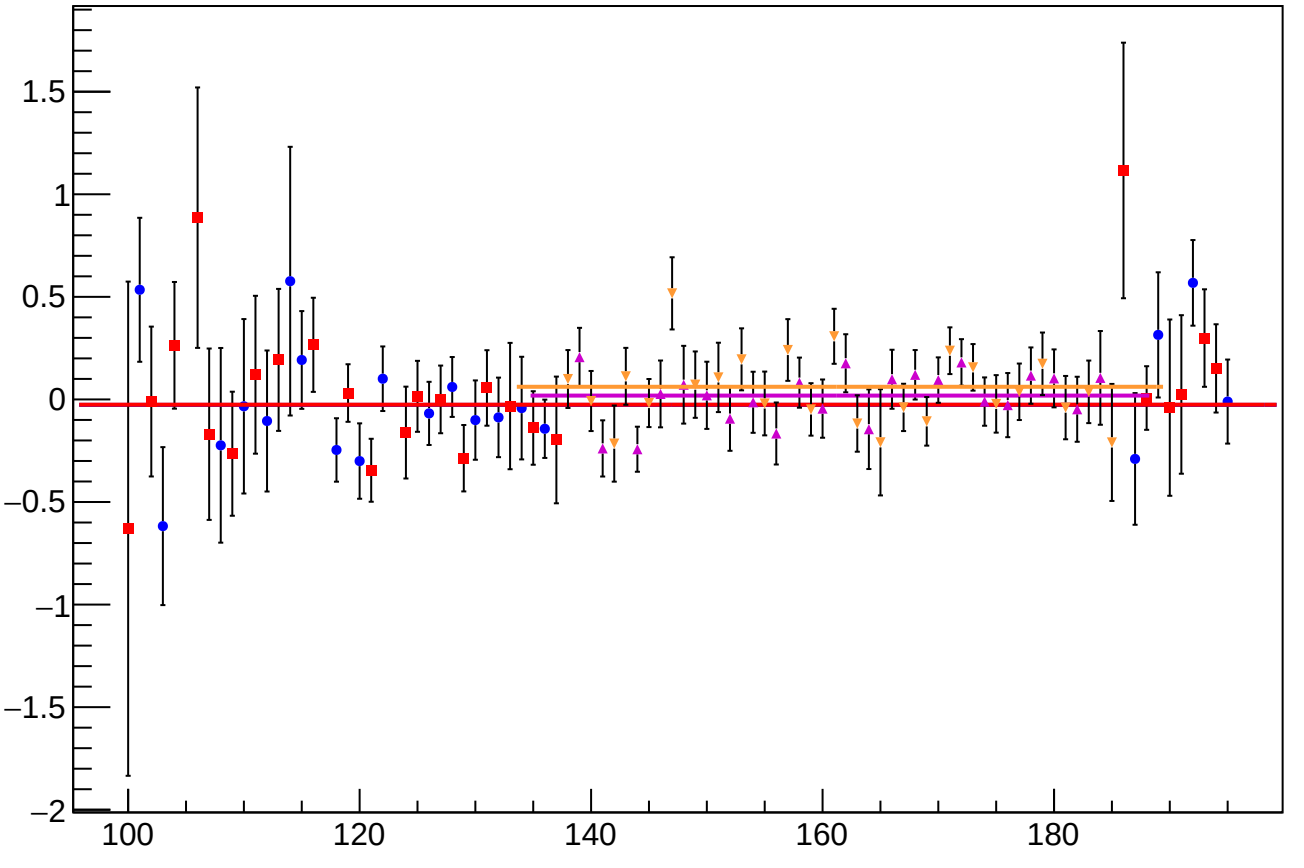
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 139.656+/-0.023 χ^2/NDF: 5121891.2/44

In: 127.179+/-0.018 χ^2/NDF:3206027.9/42

Out: 129.002+/-0.017 χ^2/NDF:3807871.1/49

All: 128.114+/-0.012 χ^2/NDF: 7019365.7/92



Right In: -0.027+/-0.048 χ^2/NDF: 23.1/19

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

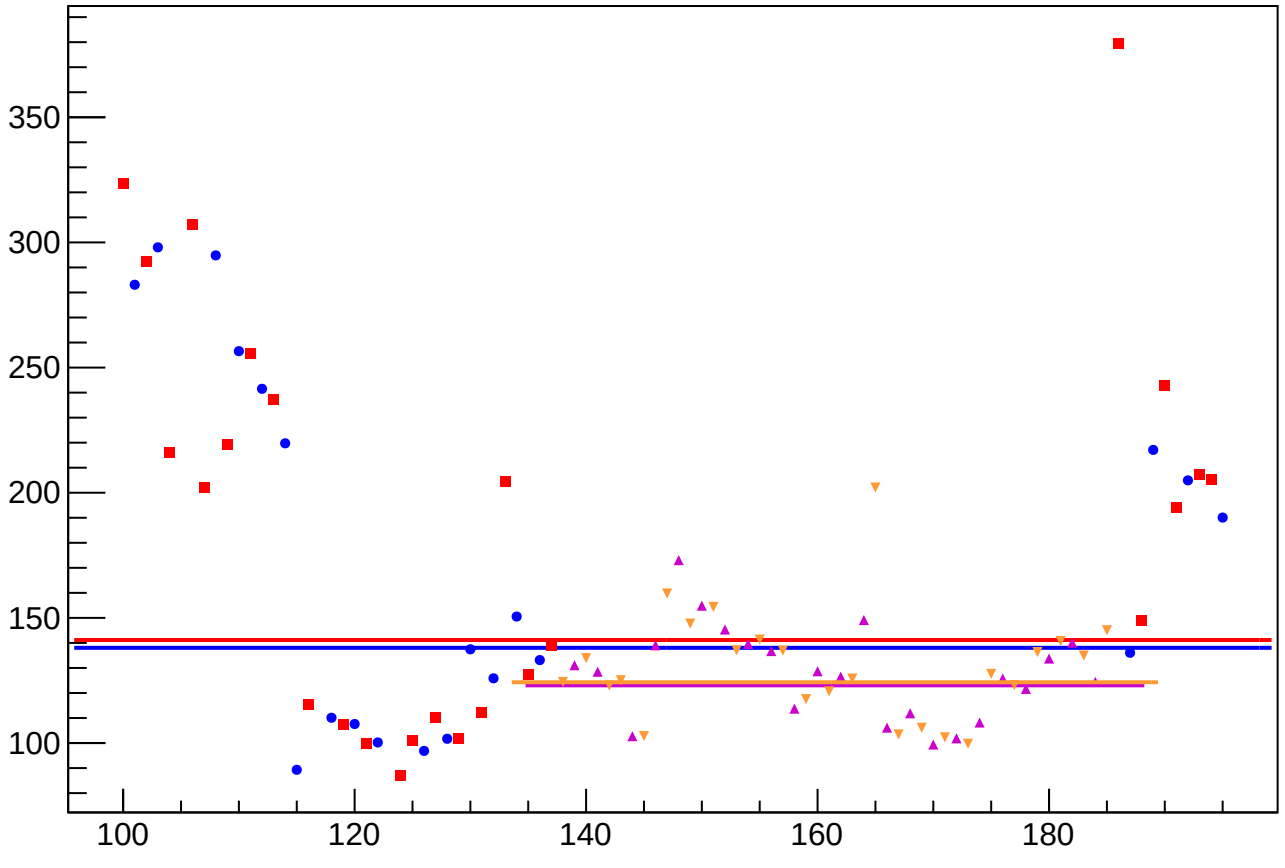
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.026+/-0.033 χ^2/NDF: 43.7/44

In: 0.006+/-0.025 χ^2/NDF:44.1/42

Out: 0.037+/-0.024 χ^2/NDF:50.5/49

All: 0.022+/-0.017 χ^2/NDF: 95.4/92



Right In: 138.046+/-0.034 χ^2/NDF: 2343797.1/19

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 141.162+/-0.033 χ^2/NDF: 2773673.3/24

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

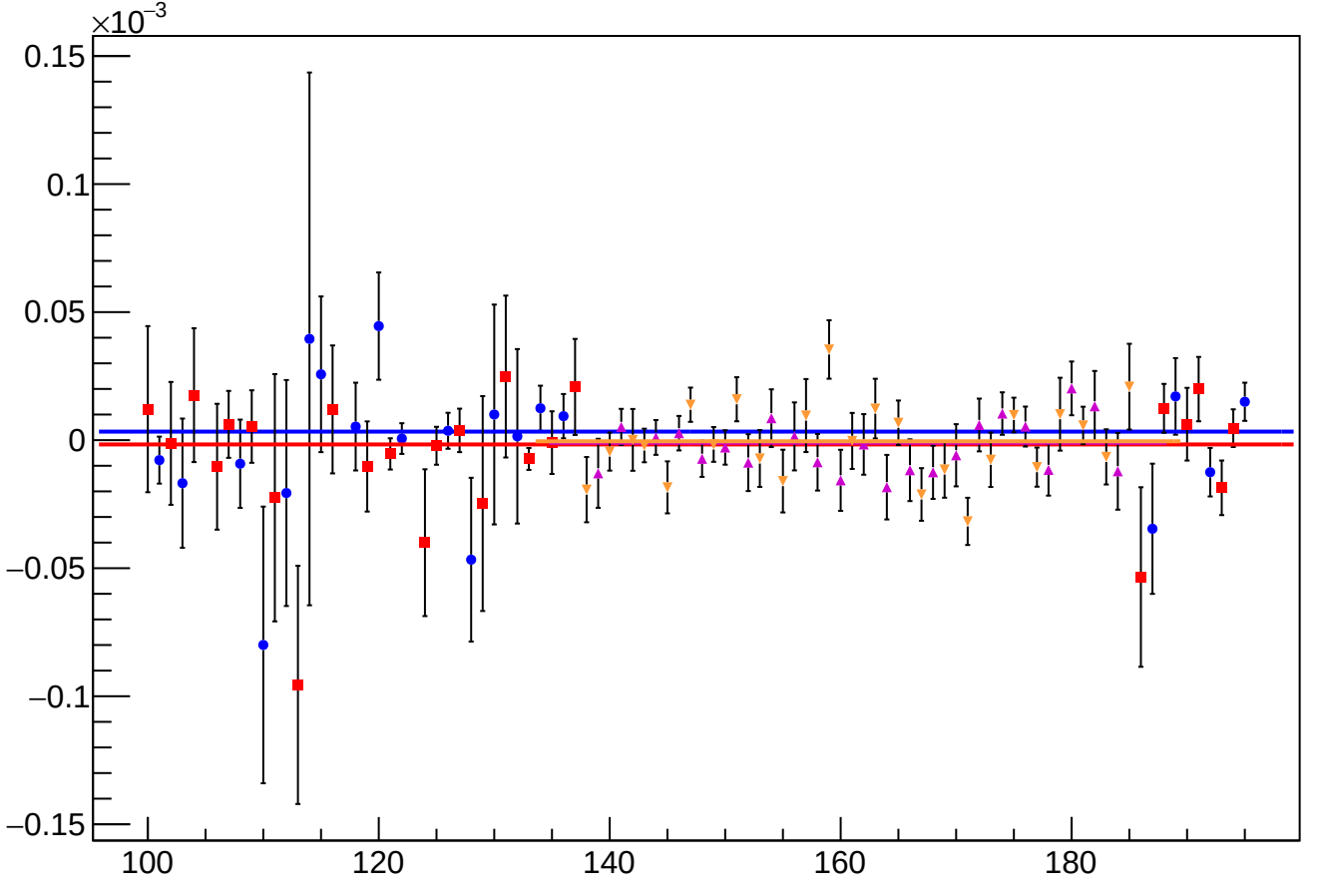
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 139.656+/-0.023 χ^2/NDF: 5121891.2/44

In: 127.179+/-0.018 χ^2/NDF:3206027.9/42

Out: 129.002+/-0.017 χ^2/NDF:3807871.1/49

All: 128.114+/-0.012 χ^2/NDF: 7019365.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/24

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

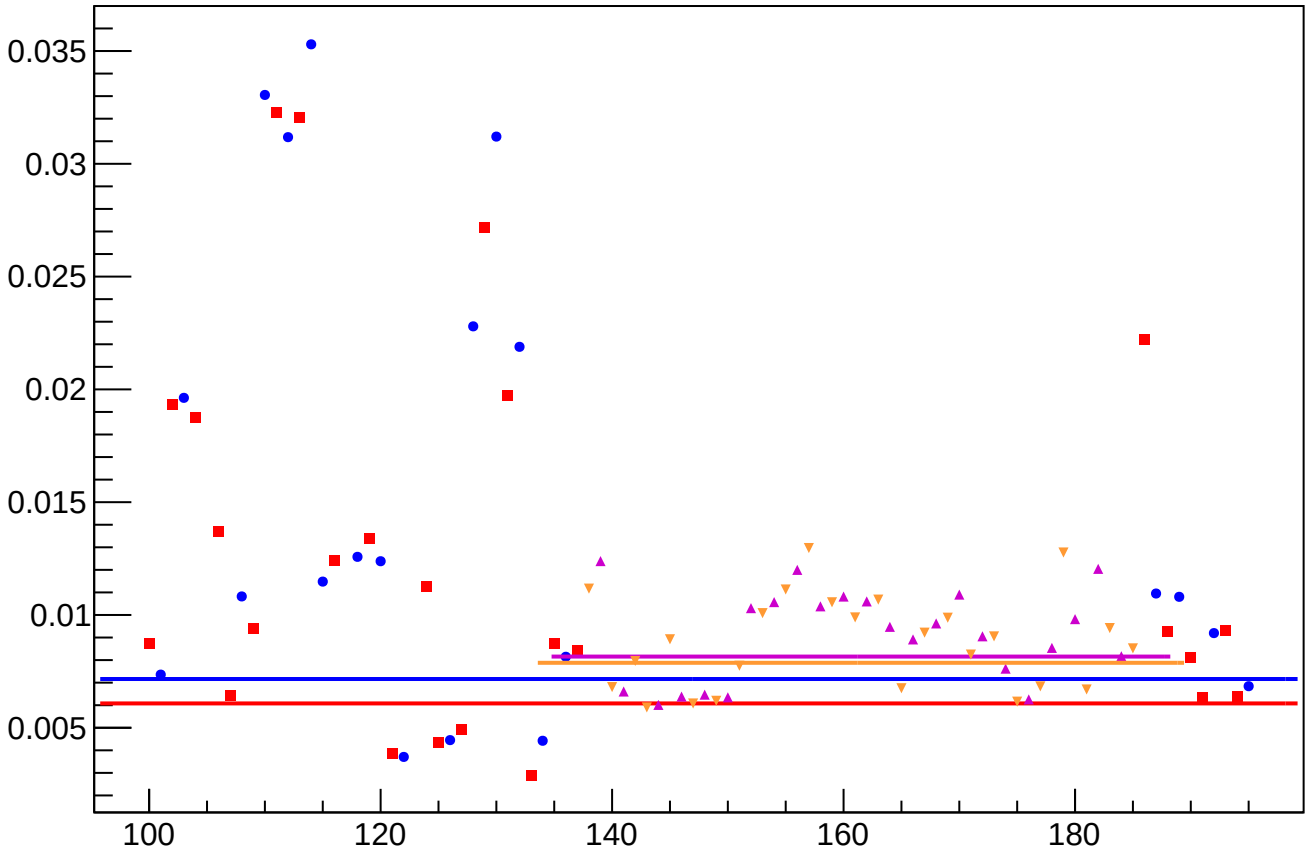
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.4/44

In: 0.000+/-0.000 χ^2/NDF:44.0/42

Out: -0.000+/-0.000 χ^2/NDF:76.6/49

All: -0.000+/-0.000 χ^2/NDF: 121.1/92



Right In: 0.007+/-0.000 χ^2/NDF: 5061672.5/19

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6569479.4/24

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

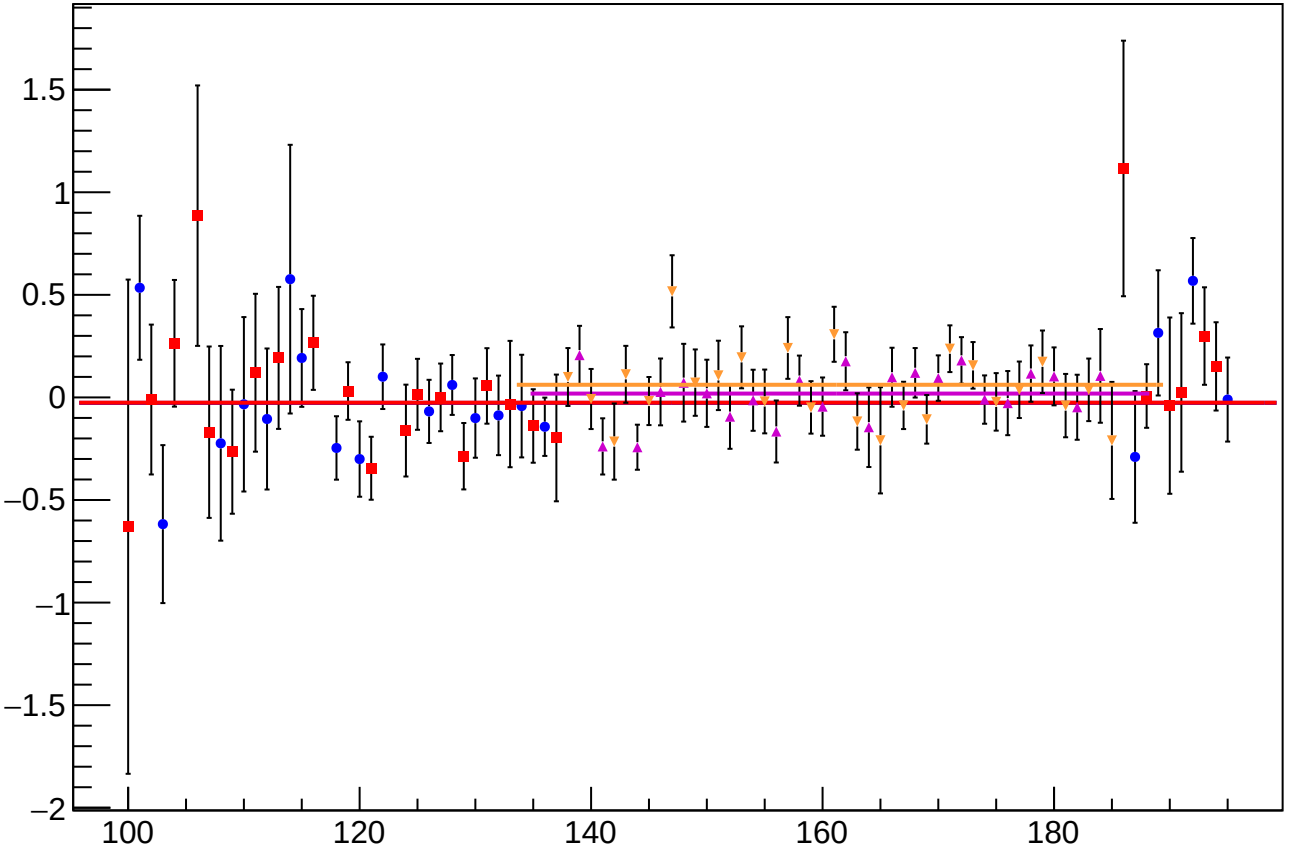
Right: 0.007+/-0.000 χ^2/NDF: 11820817.3/44

In: 0.008+/-0.000 χ^2/NDF:7254966.7/42

Out: 0.007+/-0.000 χ^2/NDF:9412932.3/49

All: 0.007+/-0.000 χ^2/NDF: 16856682.6/92

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.048 χ^2/NDF: 23.1/19

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

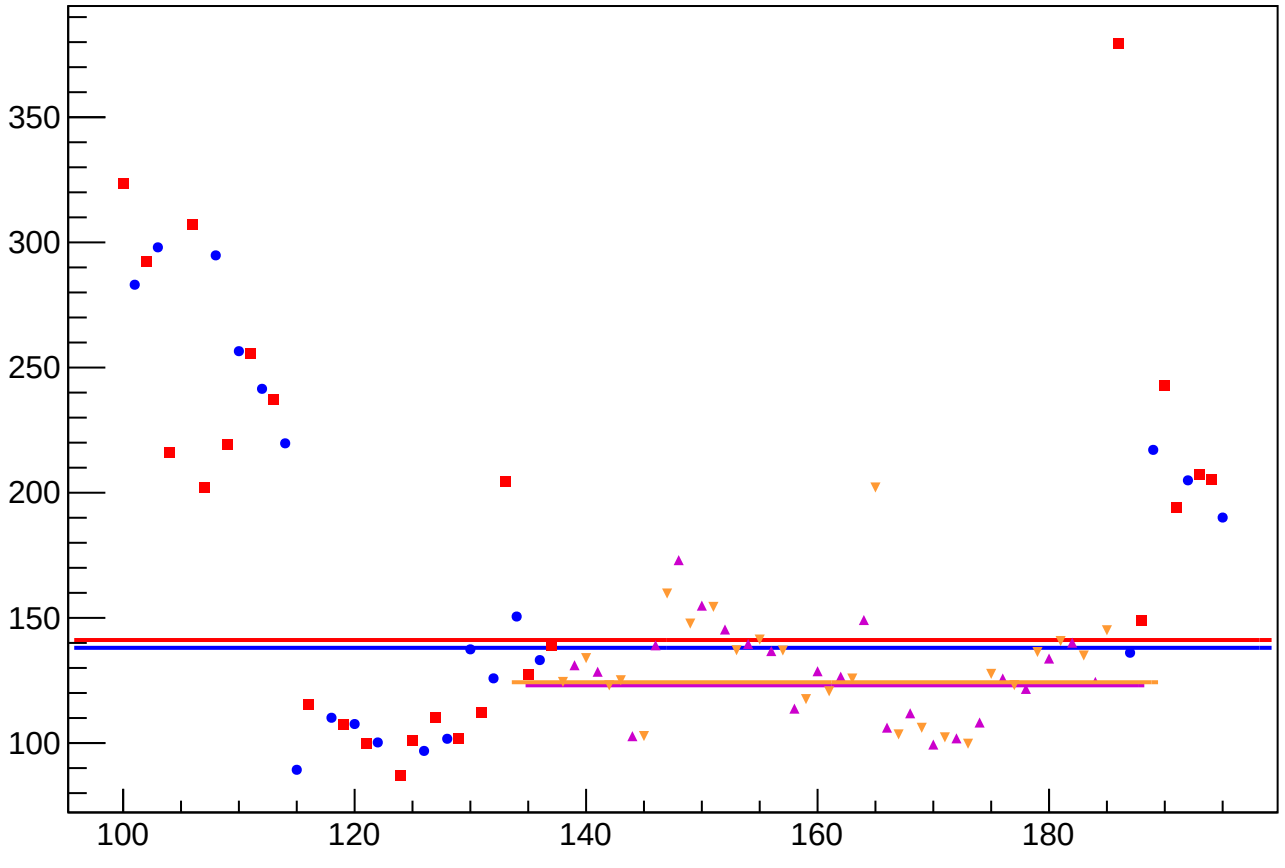
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.026+/-0.033 χ^2/NDF: 43.7/44

In: 0.006+/-0.025 χ^2/NDF:44.1/42

Out: 0.037+/-0.024 χ^2/NDF:50.5/49

All: 0.022+/-0.017 χ^2/NDF: 95.4/92



Right In: 138.043+/-0.034 χ^2/NDF: 2343800.4/19

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 141.160+/-0.033 χ^2/NDF: 2773721.6/24

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

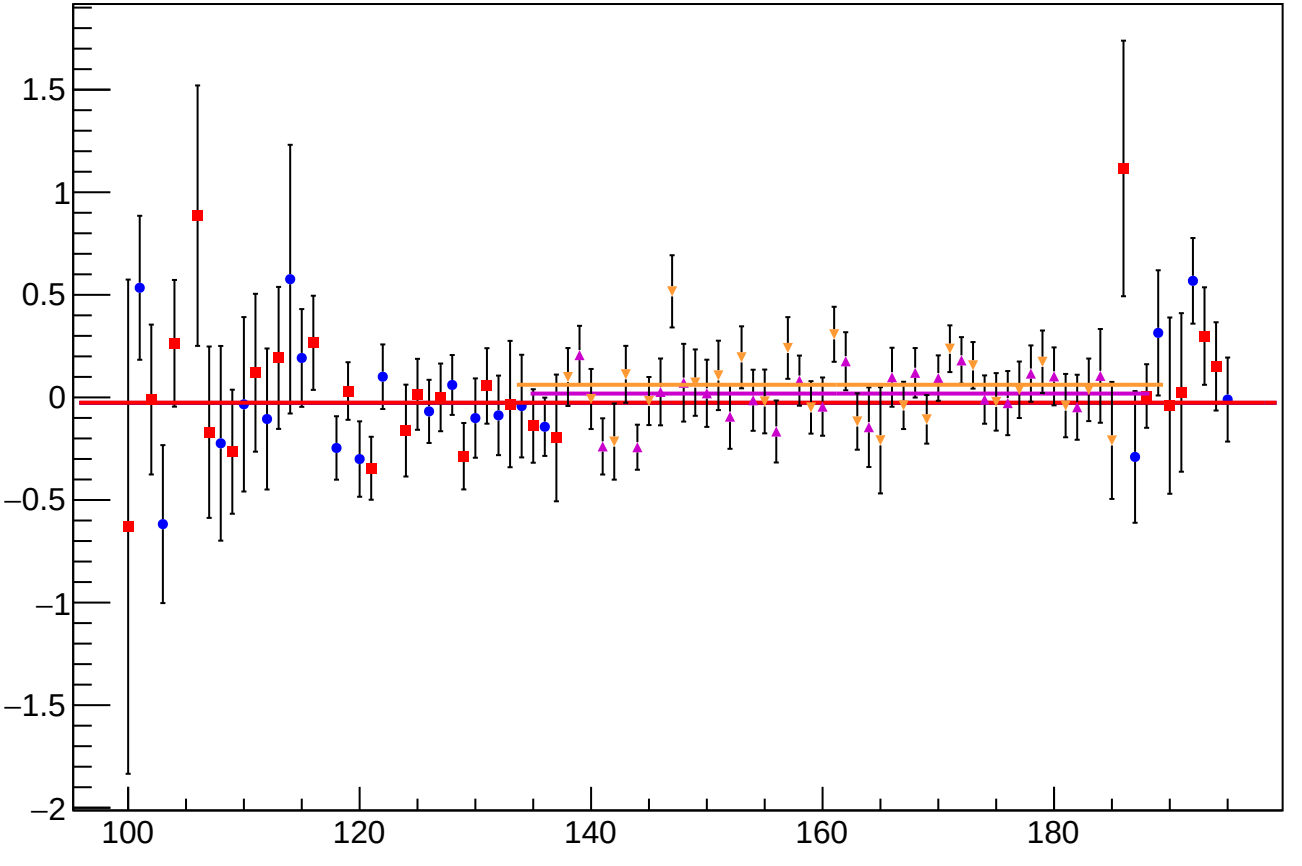
Right: 139.654+/-0.023 χ^2/NDF: 5121943.1/44

In: 127.178+/-0.018 χ^2/NDF:3206008.5/42

Out: 129.002+/-0.017 χ^2/NDF:3807916.0/49

All: 128.113+/-0.012 χ^2/NDF: 7019391.8/92

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.048 χ^2/NDF: 23.1/19

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

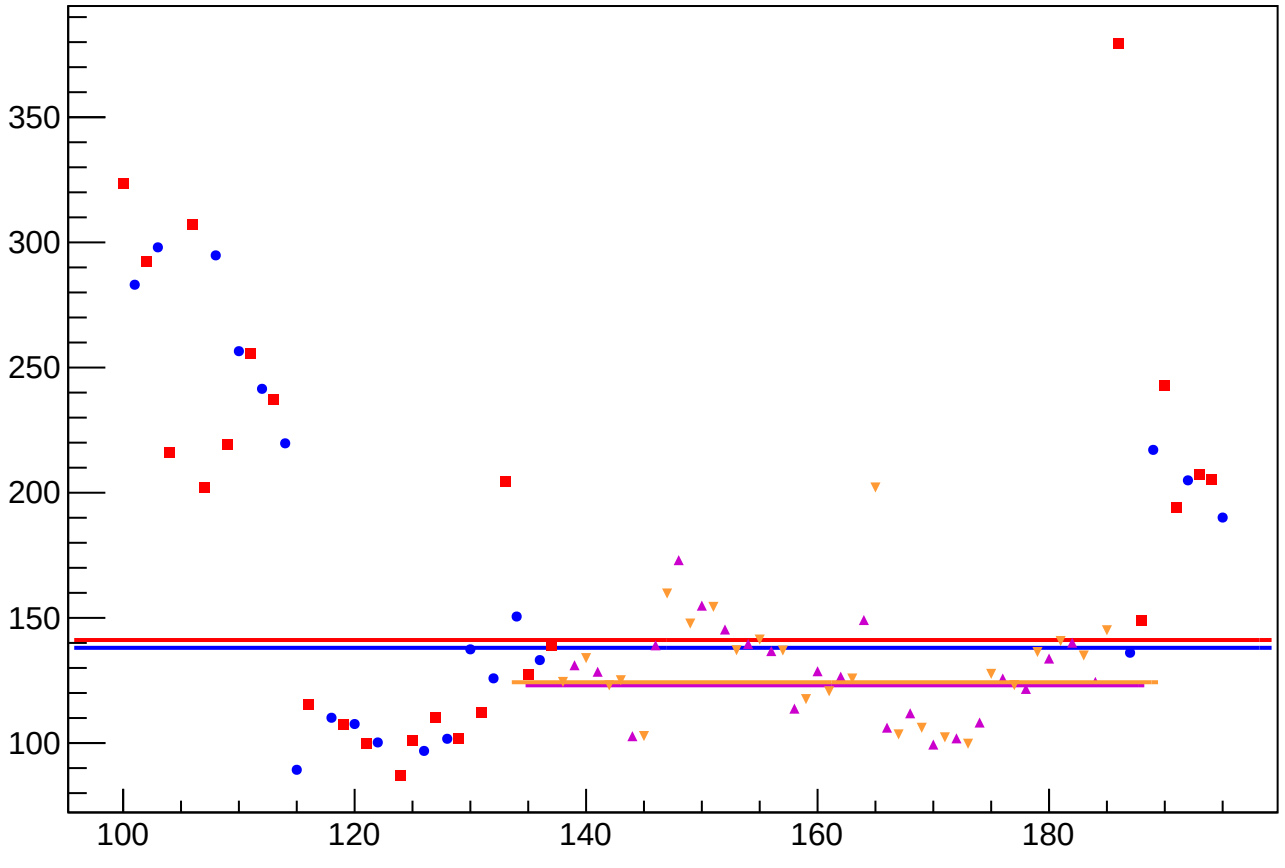
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.026+/-0.033 χ^2/NDF: 43.7/44

In: 0.006+/-0.025 χ^2/NDF:44.1/42

Out: 0.037+/-0.024 χ^2/NDF:50.5/49

All: 0.022+/-0.017 χ^2/NDF: 95.4/92



Right In: 138.043+/-0.034 χ^2/NDF: 2343800.4/19

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 141.160+/-0.033 χ^2/NDF: 2773721.6/24

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

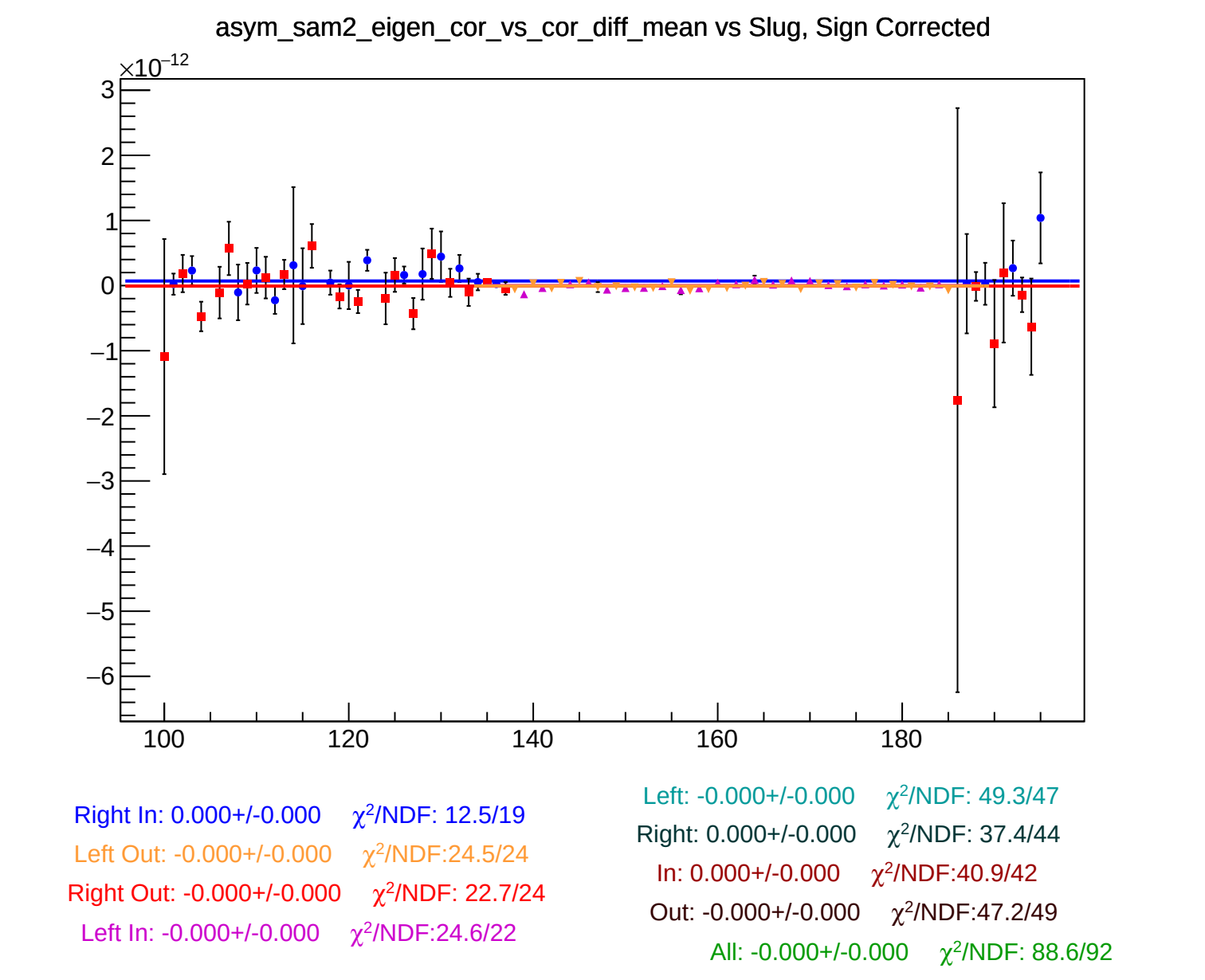
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

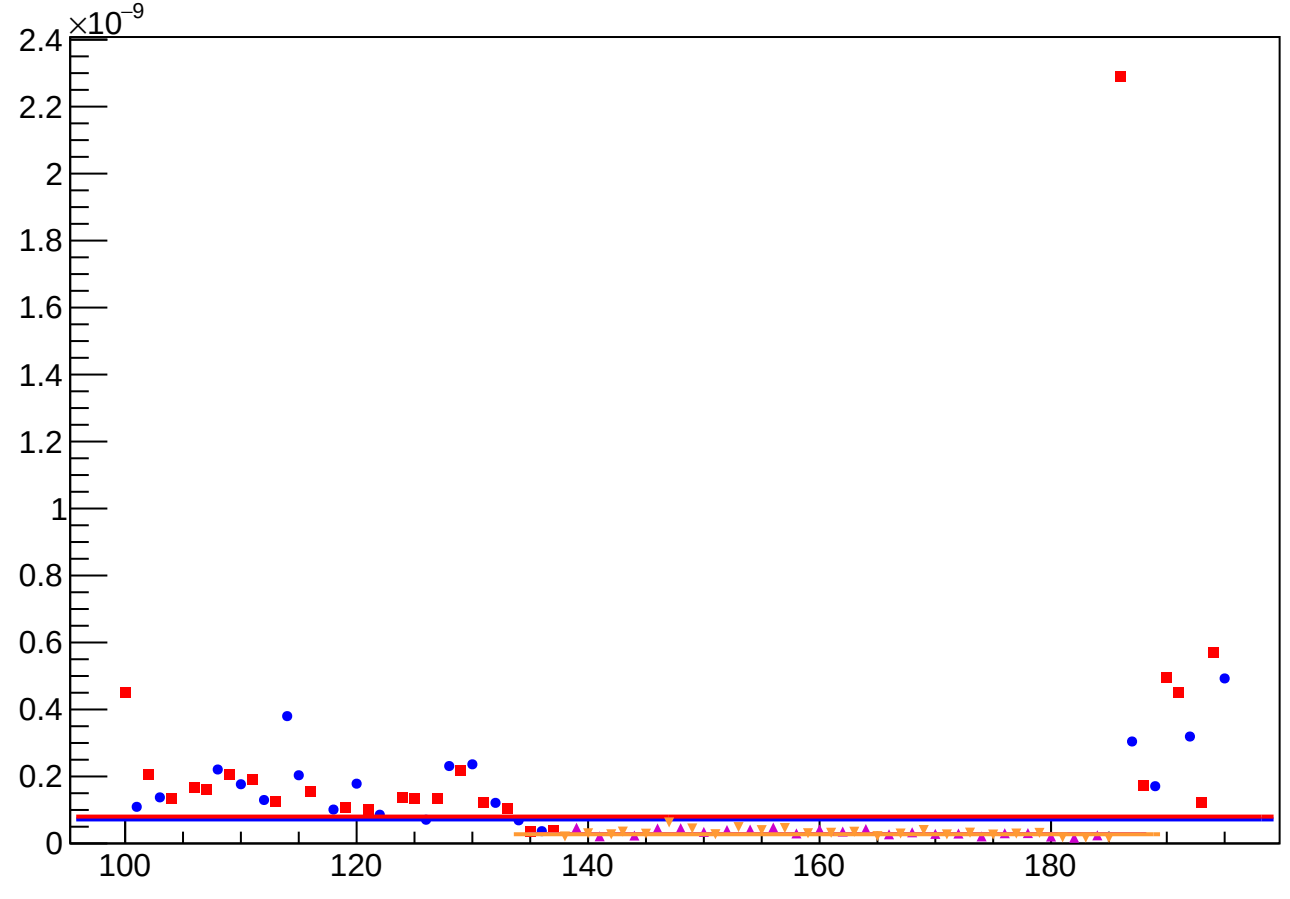
Right: 139.654+/-0.023 χ^2/NDF: 5121943.1/44

In: 127.178+/-0.018 χ^2/NDF:3206008.5/42

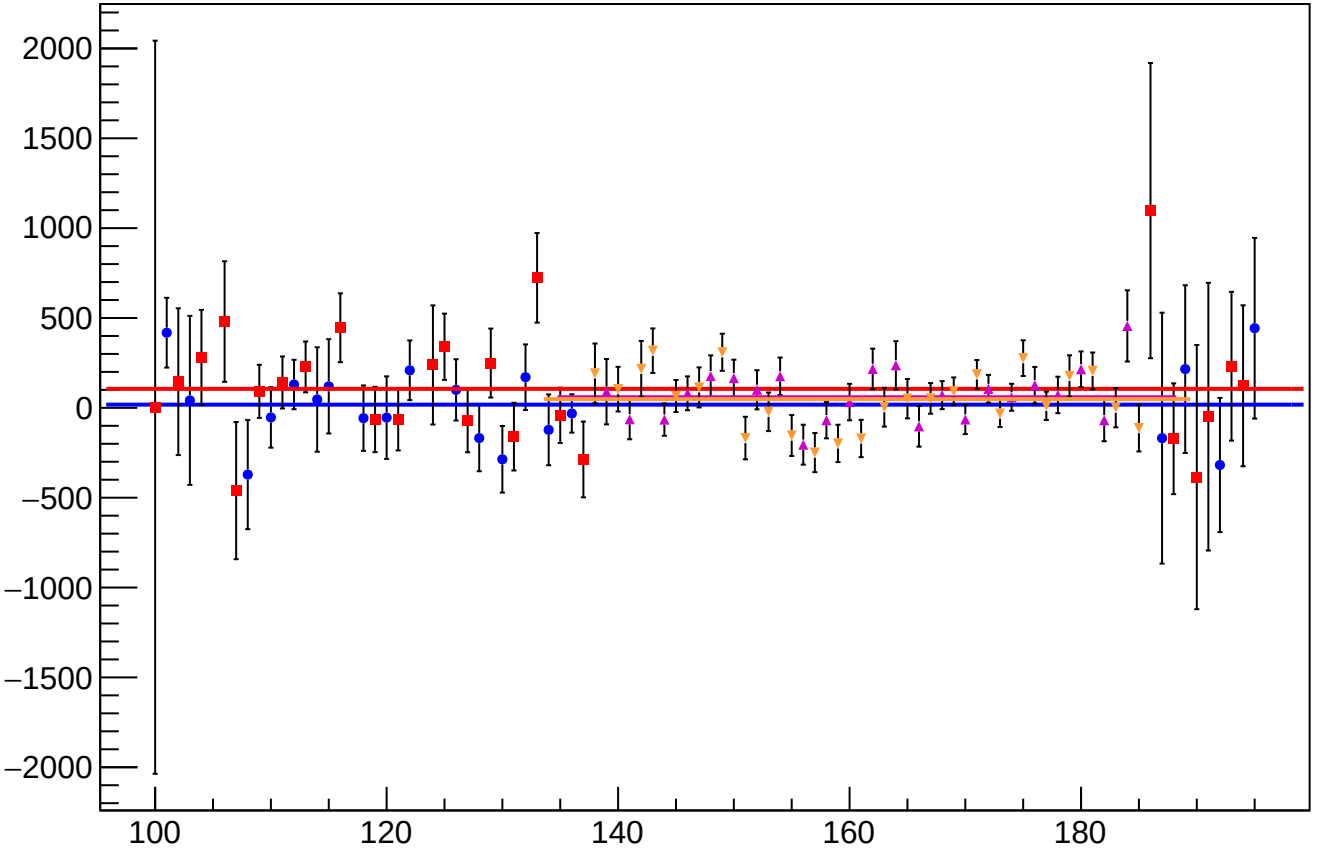
Out: 129.002+/-0.017 χ^2/NDF:3807916.0/49

All: 128.113+/-0.012 χ^2/NDF: 7019391.8/92


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 12.5/19
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/24
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 37.4/44
In: 0.000+/-0.000 χ²/NDF:40.9/42
Out: -0.000+/-0.000 χ²/NDF:47.2/49
All: -0.000+/-0.000 χ²/NDF: 88.6/92


asym_sam2_eigen_cor_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
Right In: 0.000+/-0.000 χ²/NDF: 4999841.7/19
Left Out: 0.000+/-0.000 χ²/NDF:2403081.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 6073316.8/24
Left In: 0.000+/-0.000 χ²/NDF:2191521.5/22
Left: 0.000+/-0.000 χ²/NDF: 4602499.0/47
Right: 0.000+/-0.000 χ²/NDF: 11126582.2/44
In: 0.000+/-0.000 χ²/NDF:10003714.0/42
Out: 0.000+/-0.000 χ²/NDF:12117003.3/49
All: 0.000+/-0.000 χ²/NDF: 22130841.0/92

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 17.785+/-44.879 χ^2/NDF: 15.6/19

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 105.612+/-44.601 χ^2/NDF: 28.3/24

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

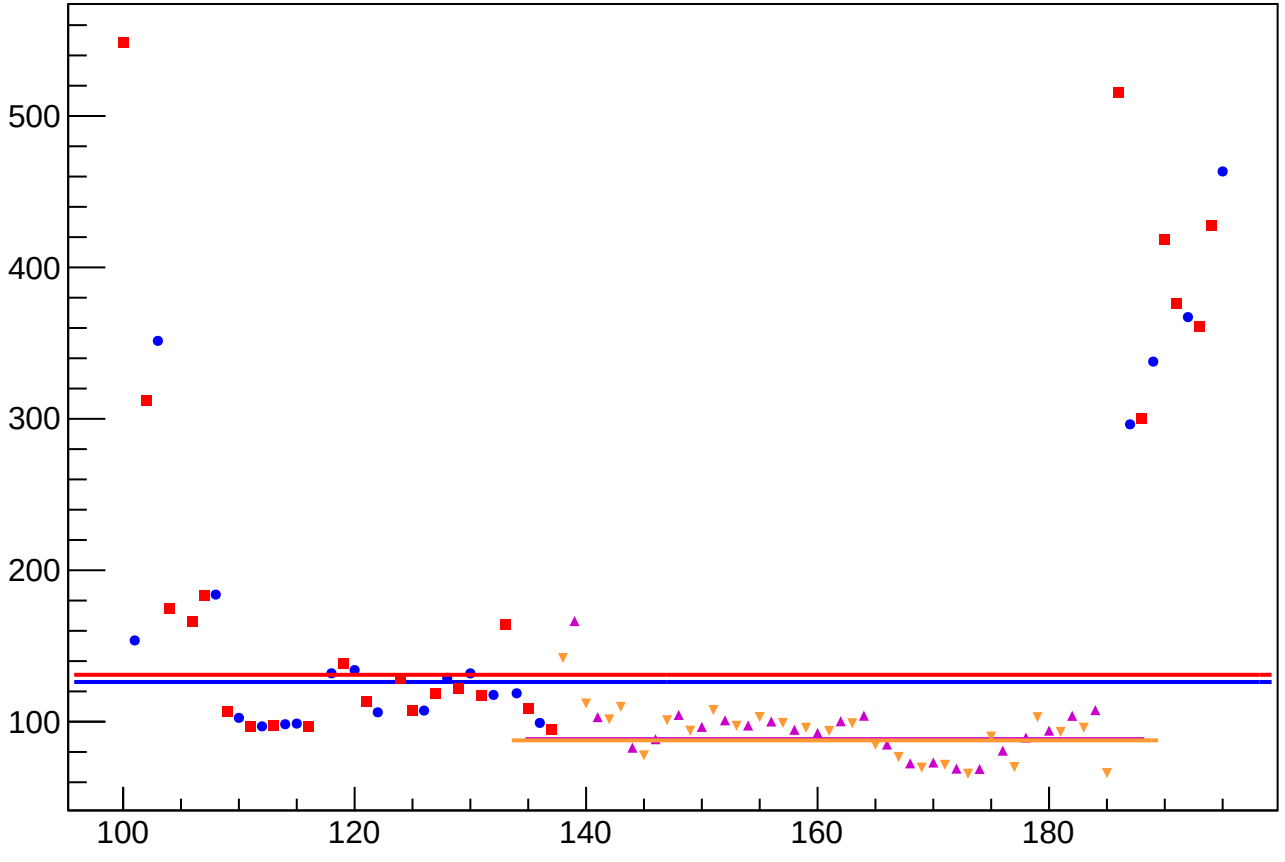
Right: 61.971+/-31.636 χ^2/NDF: 45.9/44

In: 51.518+/-19.136 χ^2/NDF:46.9/42

Out: 58.310+/-18.569 χ^2/NDF:83.3/49

All: 55.016+/-13.326 χ^2/NDF: 130.3/92

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 126.217+/-0.032 χ^2/NDF: 3200931.0/19

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 130.964+/-0.032 χ^2/NDF: 4208551.6/24

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

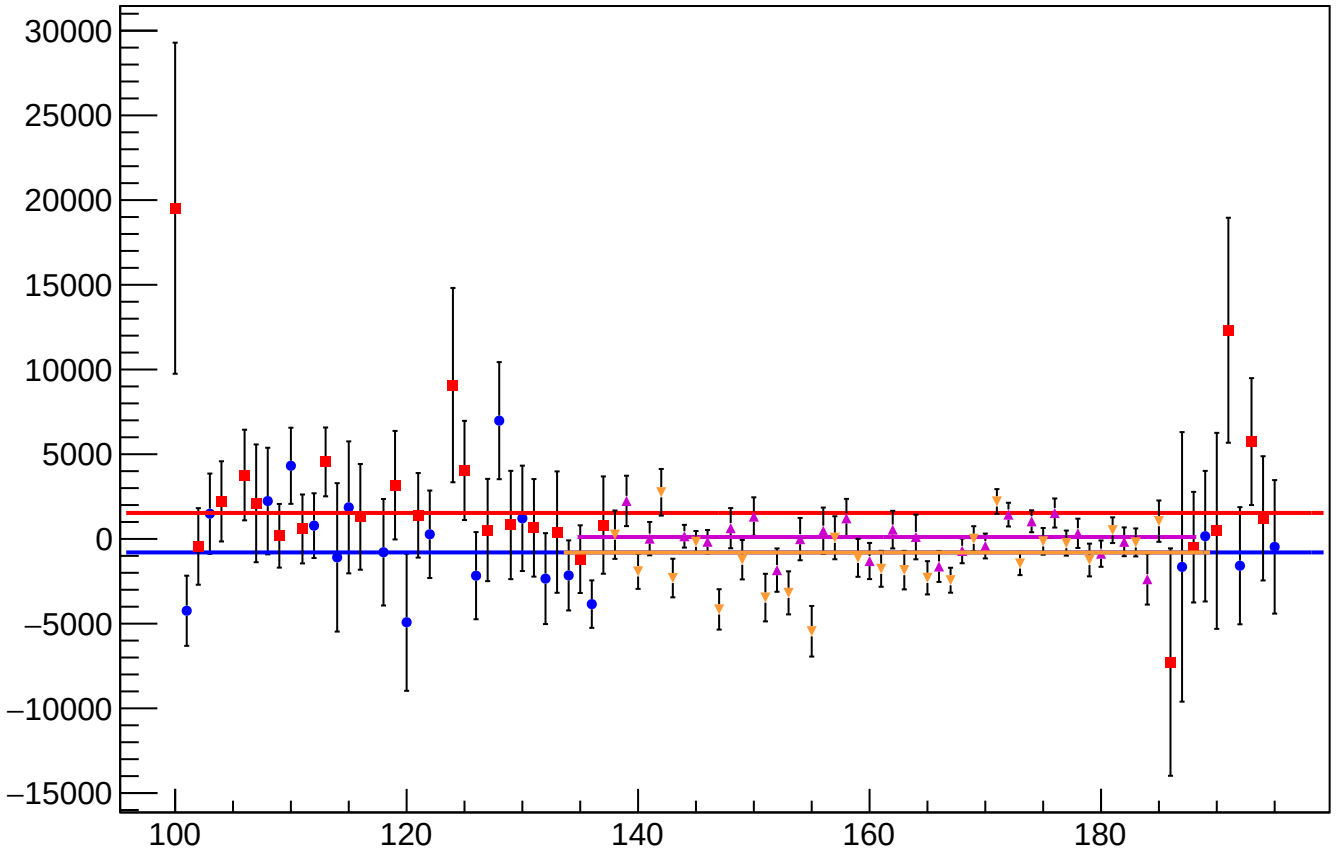
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 128.605+/-0.022 χ^2/NDF: 7420740.8/44

In: 95.343+/-0.014 χ^2/NDF:5433483.6/42

Out: 95.163+/-0.013 χ^2/NDF:6980702.8/49

All: 95.250+/-0.009 χ^2/NDF: 12414278.3/92



Right In: -796.612+/-590.648 χ^2/NDF: 23.6/19

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1533.302+/-579.801 χ^2/NDF: 19.0/24

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

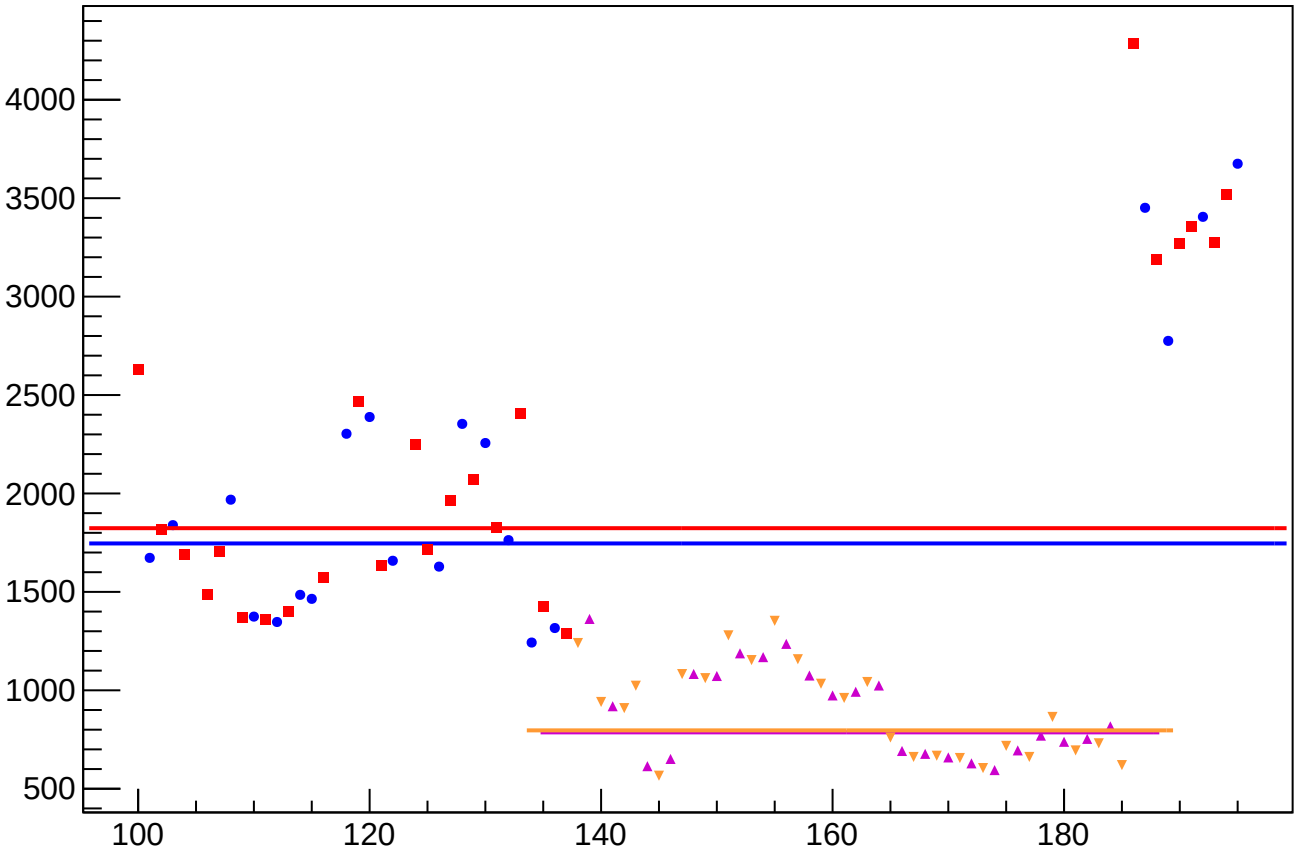
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 389.935+/-413.763 χ^2/NDF: 50.5/44

In: 27.014+/-181.105 χ^2/NDF:52.8/42

Out: -579.907+/-178.623 χ^2/NDF:105.5/49

All: -280.633+/-127.174 χ^2/NDF: 164.0/92



Right In: 1746.094+/-0.418 χ^2/NDF: 1891256.1/19

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1823.636+/-0.410 χ^2/NDF: 2280780.3/24

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

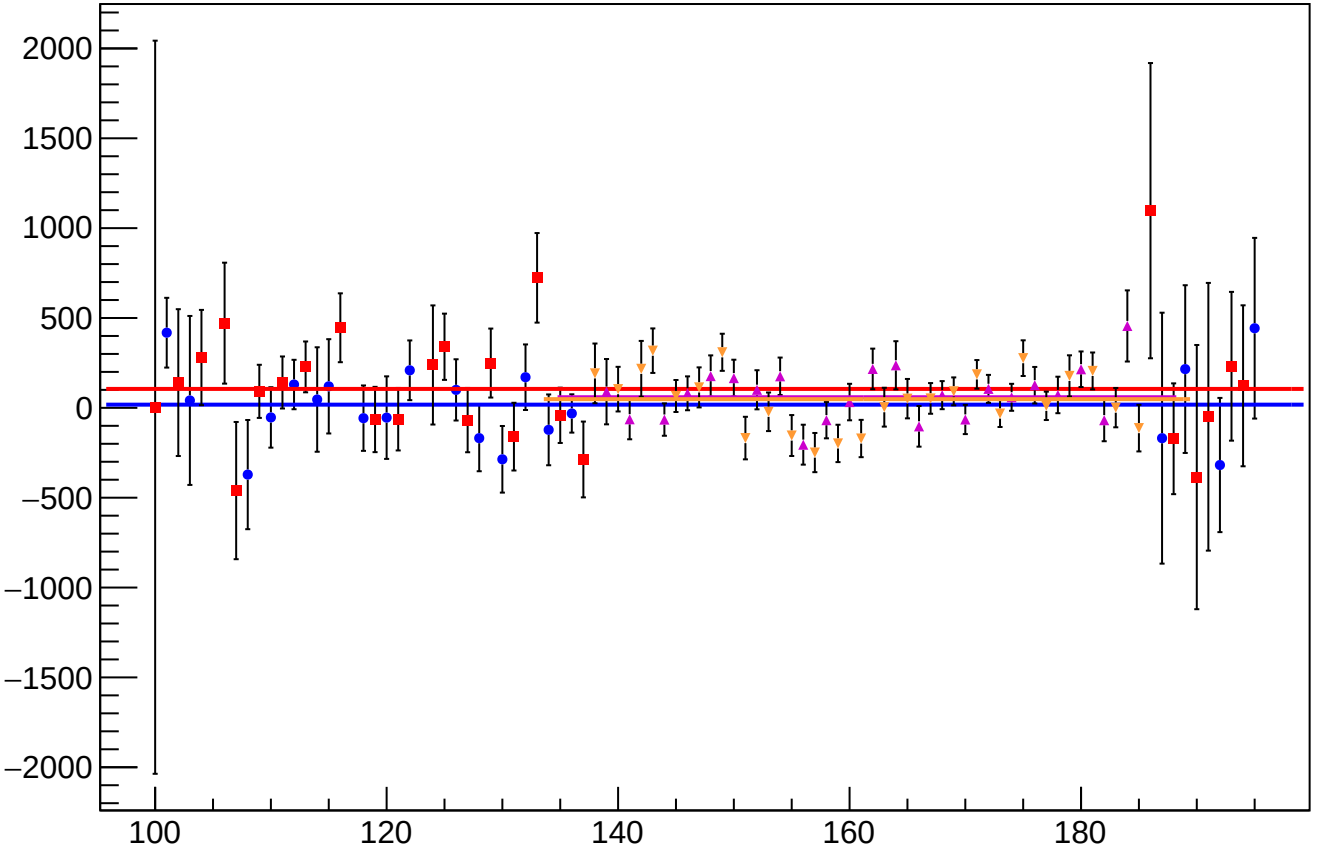
Right: 1785.583+/-0.293 χ^2/NDF: 4189591.4/44

In: 876.568+/-0.128 χ^2/NDF:8832123.5/42

Out: 894.008+/-0.126 χ^2/NDF:10379325.6/49

All: 885.409+/-0.090 χ^2/NDF: 19220850.2/92

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 17.772+/-44.879 χ^2/NDF: 15.6/19

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 105.340+/-44.604 χ^2/NDF: 28.3/24

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

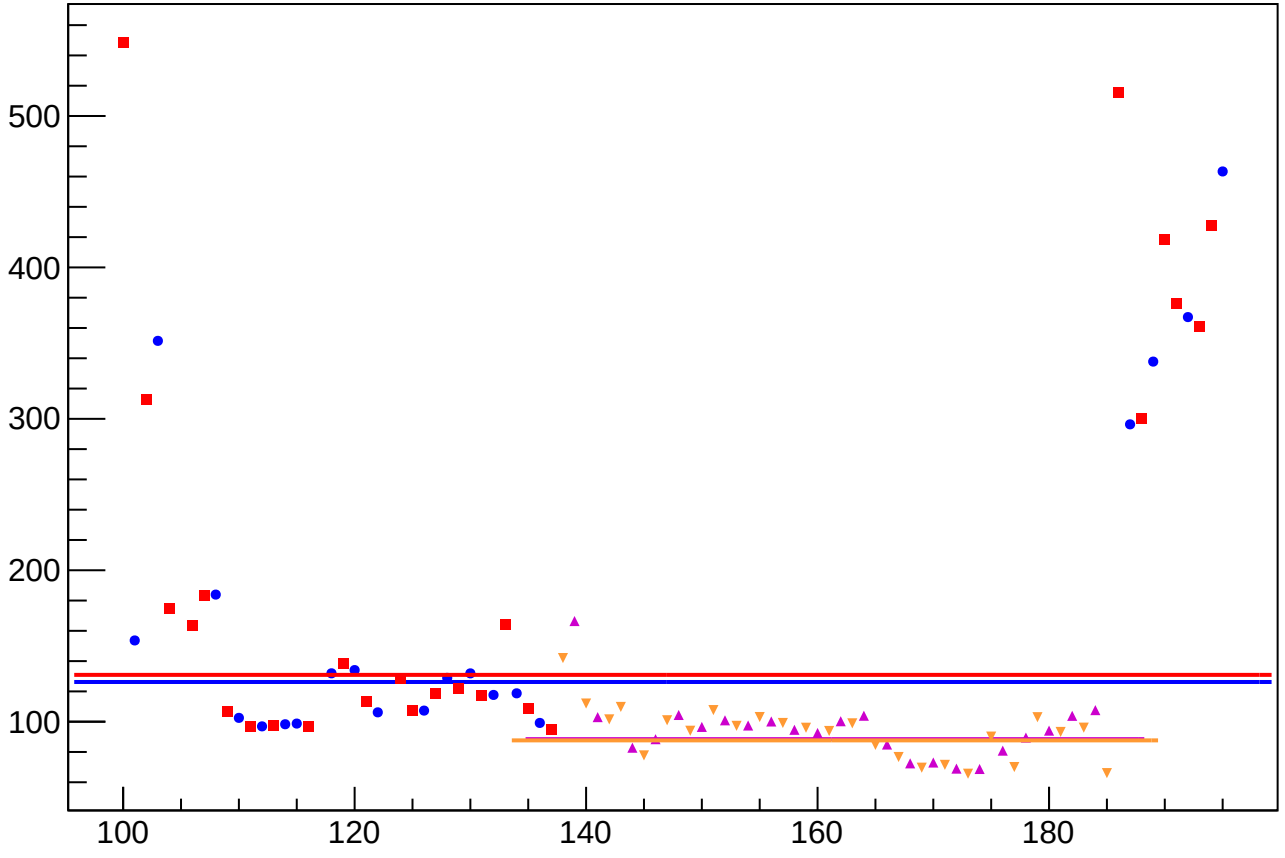
Right: 61.825+/-31.637 χ^2/NDF: 45.8/44

In: 51.517+/-19.136 χ^2/NDF:46.9/42

Out: 58.268+/-18.569 χ^2/NDF:83.2/49

All: 54.994+/-13.326 χ^2/NDF: 130.2/92

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 126.217+/-0.032 χ^2/NDF: 3200933.2/19

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 130.917+/-0.032 χ^2/NDF: 4205610.1/24

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

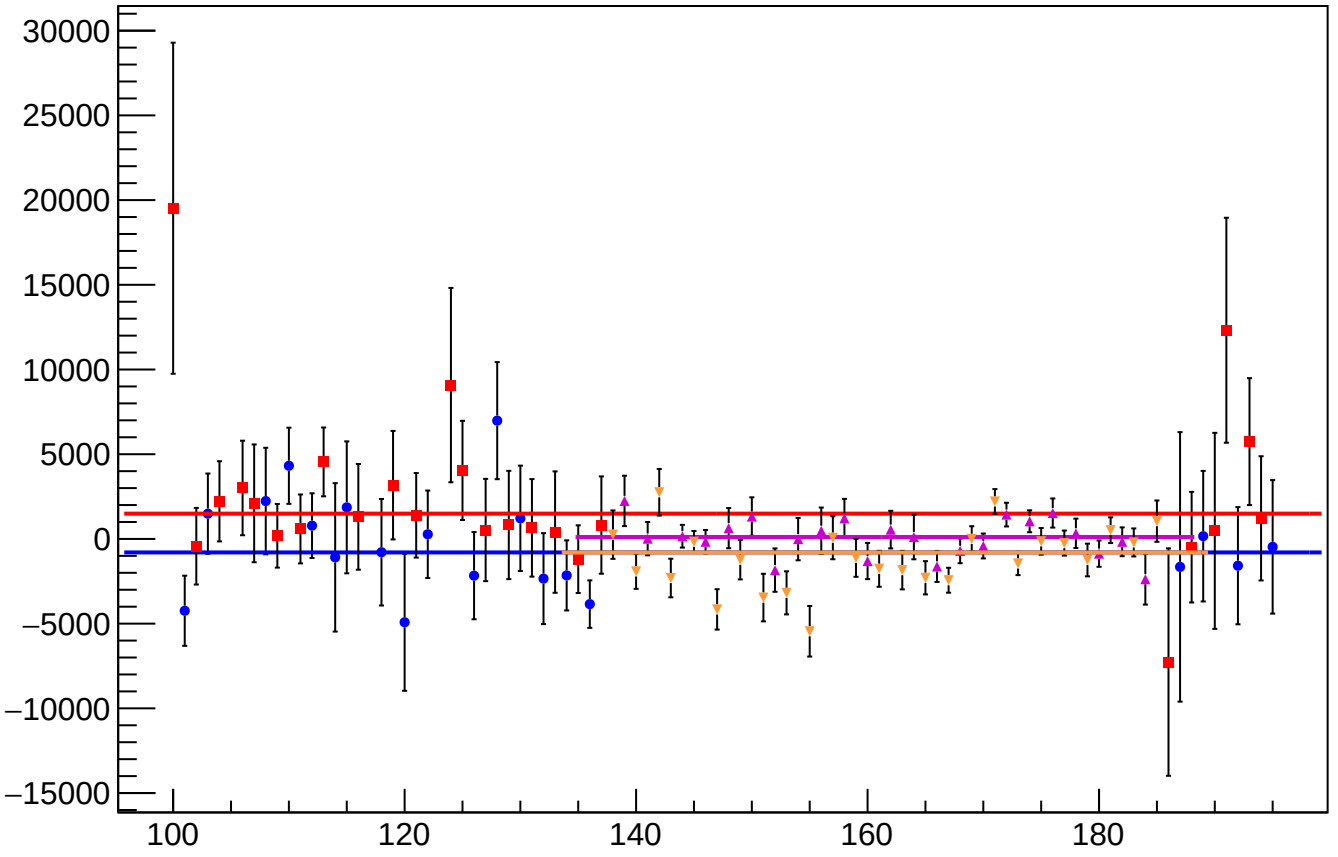
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 128.581+/-0.022 χ^2/NDF: 7417576.9/44

In: 95.343+/-0.014 χ^2/NDF:5433485.2/42

Out: 95.154+/-0.013 χ^2/NDF:6974186.8/49

All: 95.246+/-0.009 χ^2/NDF: 12407773.4/92



Right In: -796.596+/-590.652 χ^2/NDF: 23.6/19

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1492.811+/-580.939 χ^2/NDF: 18.5/24

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

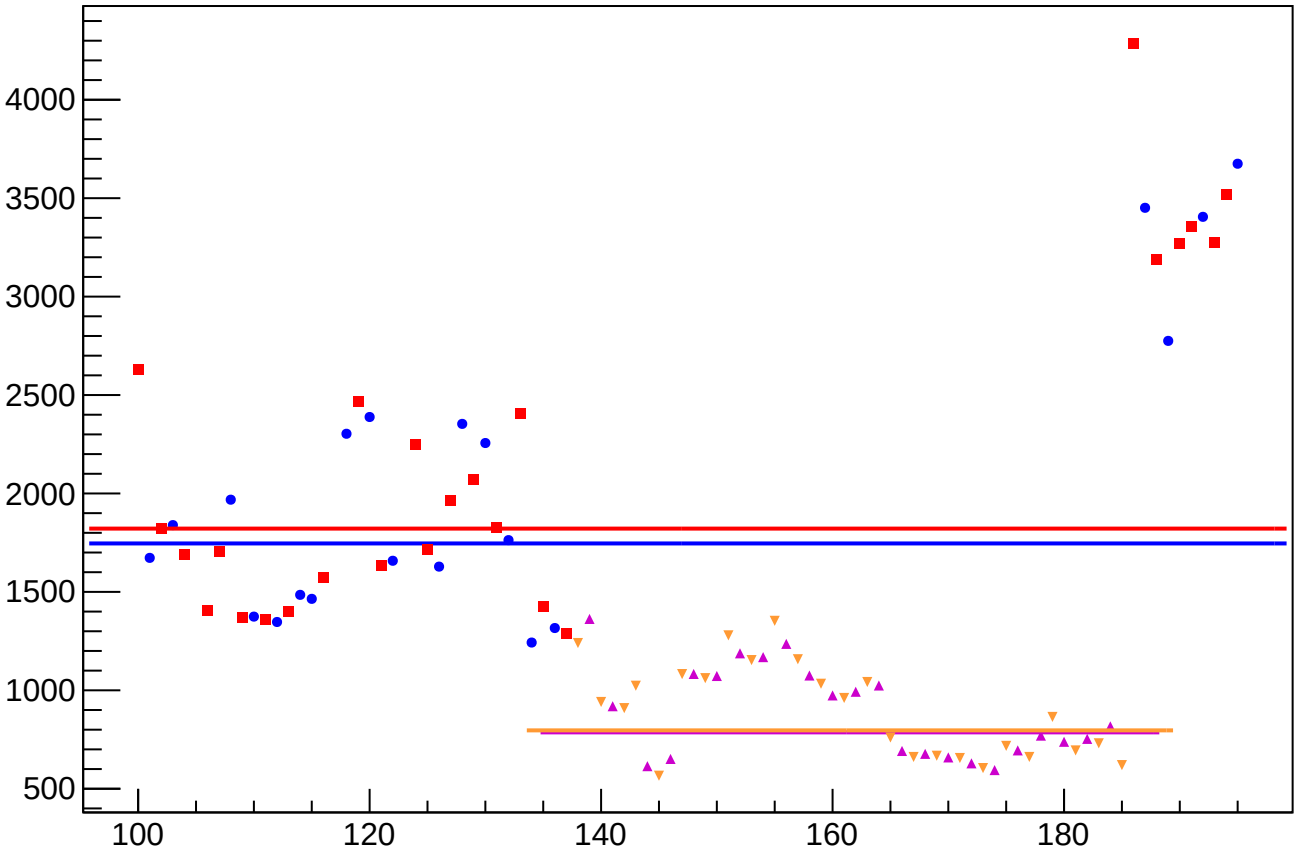
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 367.086+/-414.177 χ^2/NDF: 49.7/44

In: 27.018+/-181.105 χ^2/NDF:52.8/42

Out: -584.515+/-178.656 χ^2/NDF:104.5/49

All: -282.910+/-127.186 χ^2/NDF: 163.1/92



Right In: 1746.104+/-0.418 χ^2/NDF: 1891271.0/19

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1821.505+/-0.411 χ^2/NDF: 2293885.8/24

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

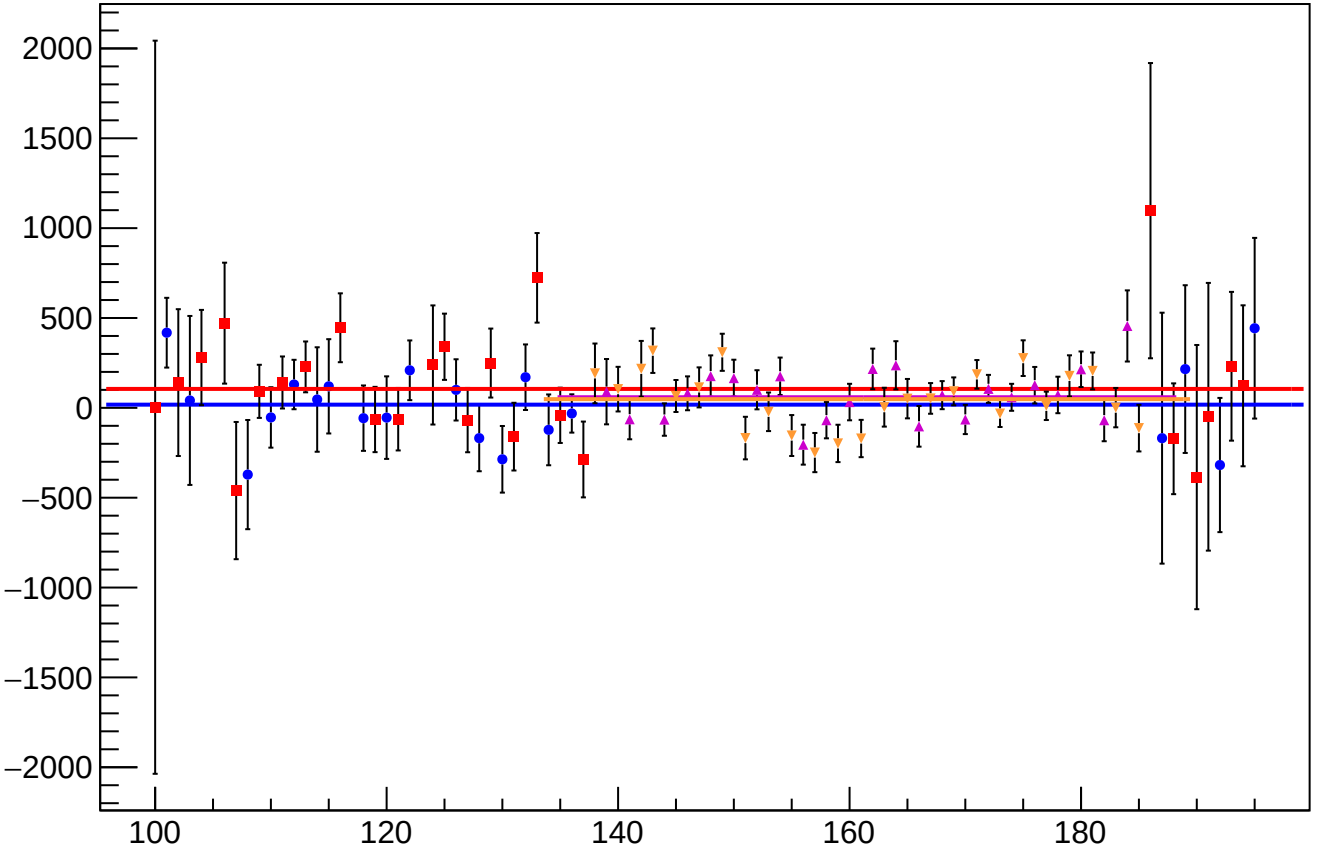
Right: 1784.429+/-0.293 χ^2/NDF: 4201723.3/44

In: 876.568+/-0.128 χ^2/NDF:8832180.4/42

Out: 893.461+/-0.126 χ^2/NDF:10348828.2/49

All: 885.130+/-0.090 χ^2/NDF: 19189827.3/92

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 17.772+/-44.879 χ^2/NDF: 15.6/19

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 105.340+/-44.604 χ^2/NDF: 28.3/24

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

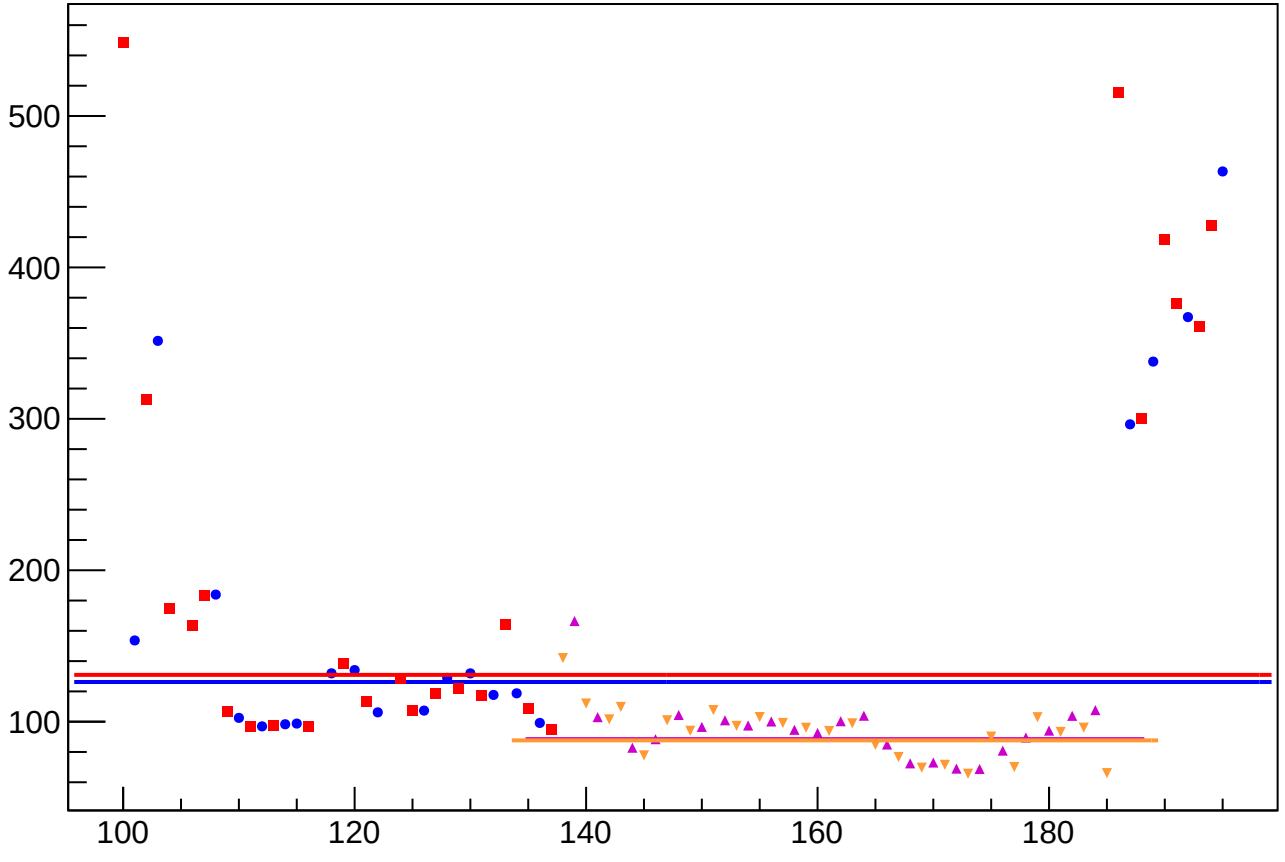
Right: 61.825+/-31.637 χ^2/NDF: 45.8/44

In: 51.517+/-19.136 χ^2/NDF:46.9/42

Out: 58.268+/-18.569 χ^2/NDF:83.2/49

All: 54.994+/-13.326 χ^2/NDF: 130.2/92

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 126.217+/-0.032 χ^2/NDF: 3200933.2/19

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 130.917+/-0.032 χ^2/NDF: 4205610.1/24

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

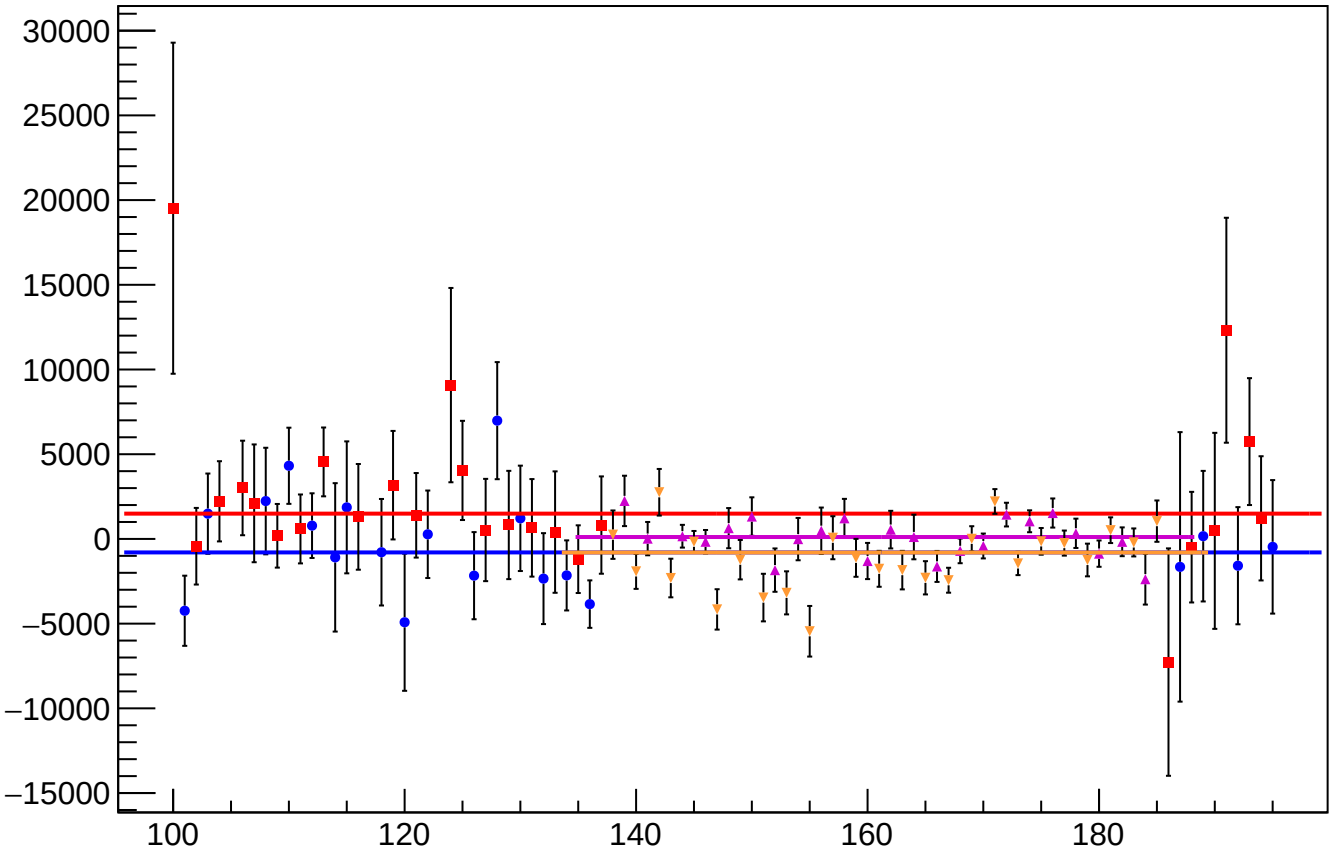
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 128.581+/-0.022 χ^2/NDF: 7417576.9/44

In: 95.343+/-0.014 χ^2/NDF:5433485.2/42

Out: 95.154+/-0.013 χ^2/NDF:6974186.8/49

All: 95.246+/-0.009 χ^2/NDF: 12407773.4/92



Right In: -796.596+/-590.652 χ^2/NDF: 23.6/19

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1492.811+/-580.939 χ^2/NDF: 18.5/24

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

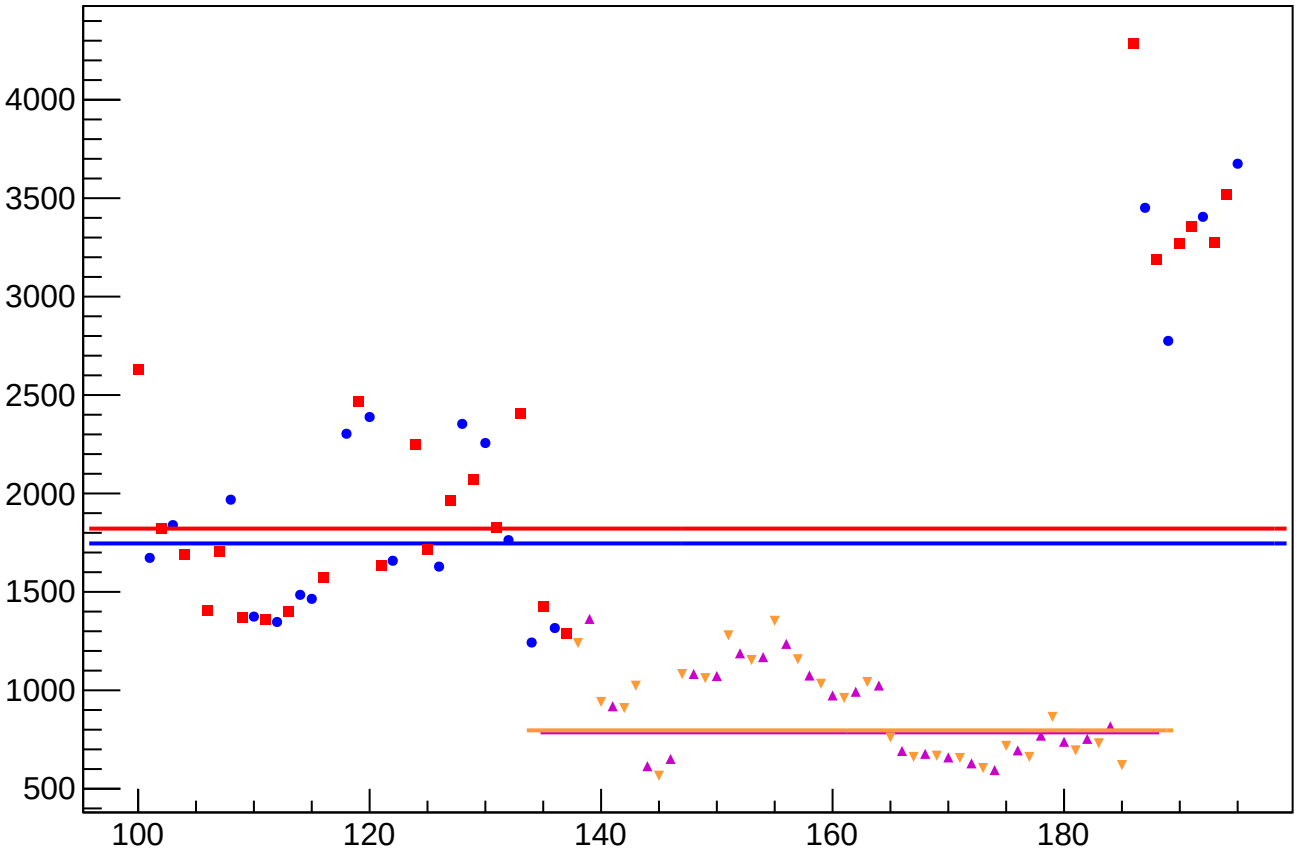
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 367.086+/-414.177 χ^2/NDF: 49.7/44

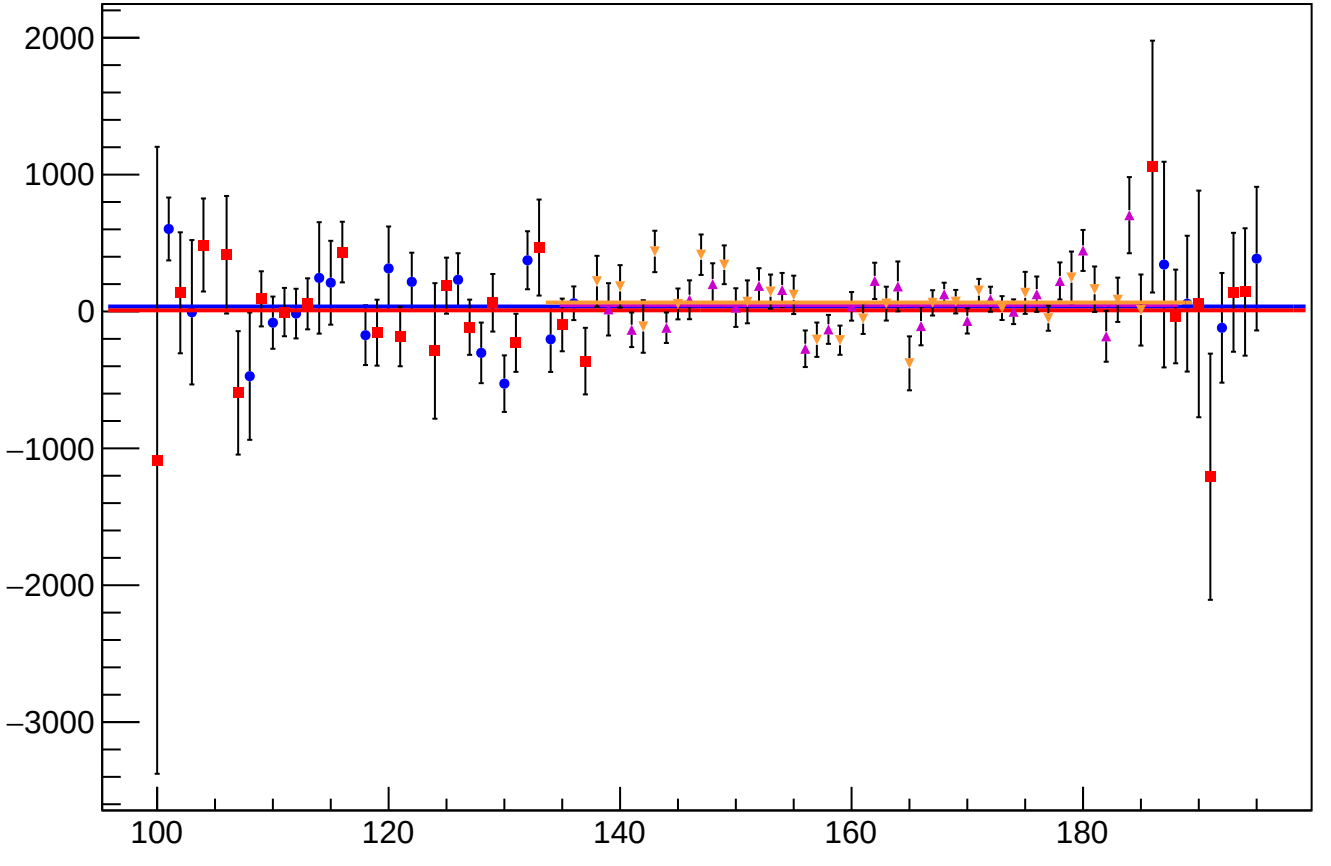
In: 27.018+/-181.105 χ^2/NDF:52.8/42

Out: -584.515+/-178.656 χ^2/NDF:104.5/49

All: -282.910+/-127.186 χ^2/NDF: 163.1/92


asym_sam3_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1746.104+/-0.418 χ²/NDF: 1891271.0/19
Left Out: 796.523+/-0.133 χ²/NDF:2417869.7/24
Right Out: 1821.505+/-0.411 χ²/NDF: 2293885.8/24
Left In: 786.336+/-0.135 χ²/NDF:2156582.1/22
Left: 791.497+/-0.094 χ²/NDF: 4577356.9/47
Right: 1784.429+/-0.293 χ²/NDF: 4201723.3/44
In: 876.568+/-0.128 χ²/NDF:8832180.4/42
Out: 893.461+/-0.126 χ²/NDF:10348828.2/49
All: 885.130+/-0.090 χ²/NDF: 19189827.3/92

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 36.275+/-53.653 χ^2/NDF: 25.9/19

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.440+/-54.218 χ^2/NDF: 20.6/24

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

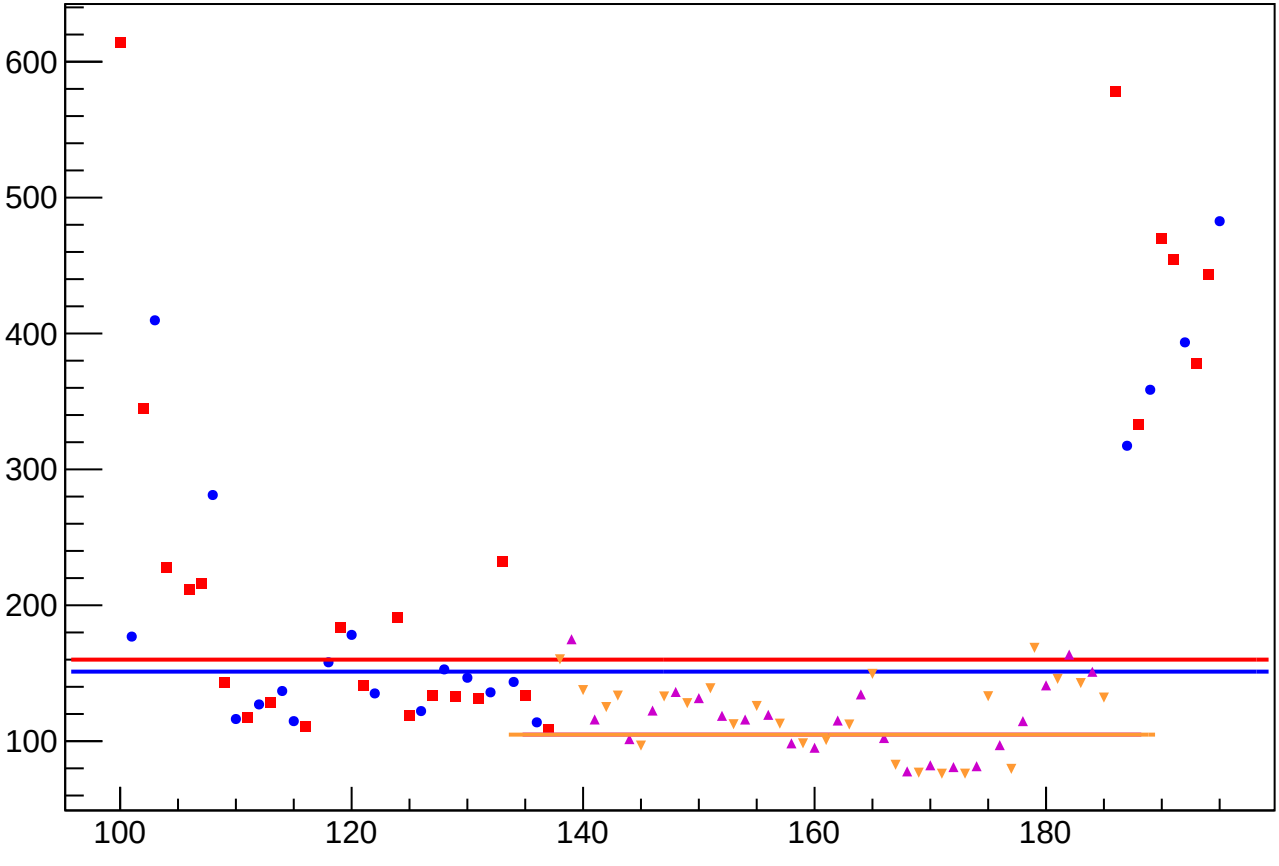
Right: 22.503+/-38.137 χ^2/NDF: 46.7/44

In: 45.031+/-23.175 χ^2/NDF:64.6/42

Out: 55.622+/-22.747 χ^2/NDF:61.6/49

All: 50.425+/-16.234 χ^2/NDF: 126.3/92

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 151.172+/-0.038 χ^2/NDF: 3042723.1/19

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 160.007+/-0.038 χ^2/NDF: 3956442.4/24

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

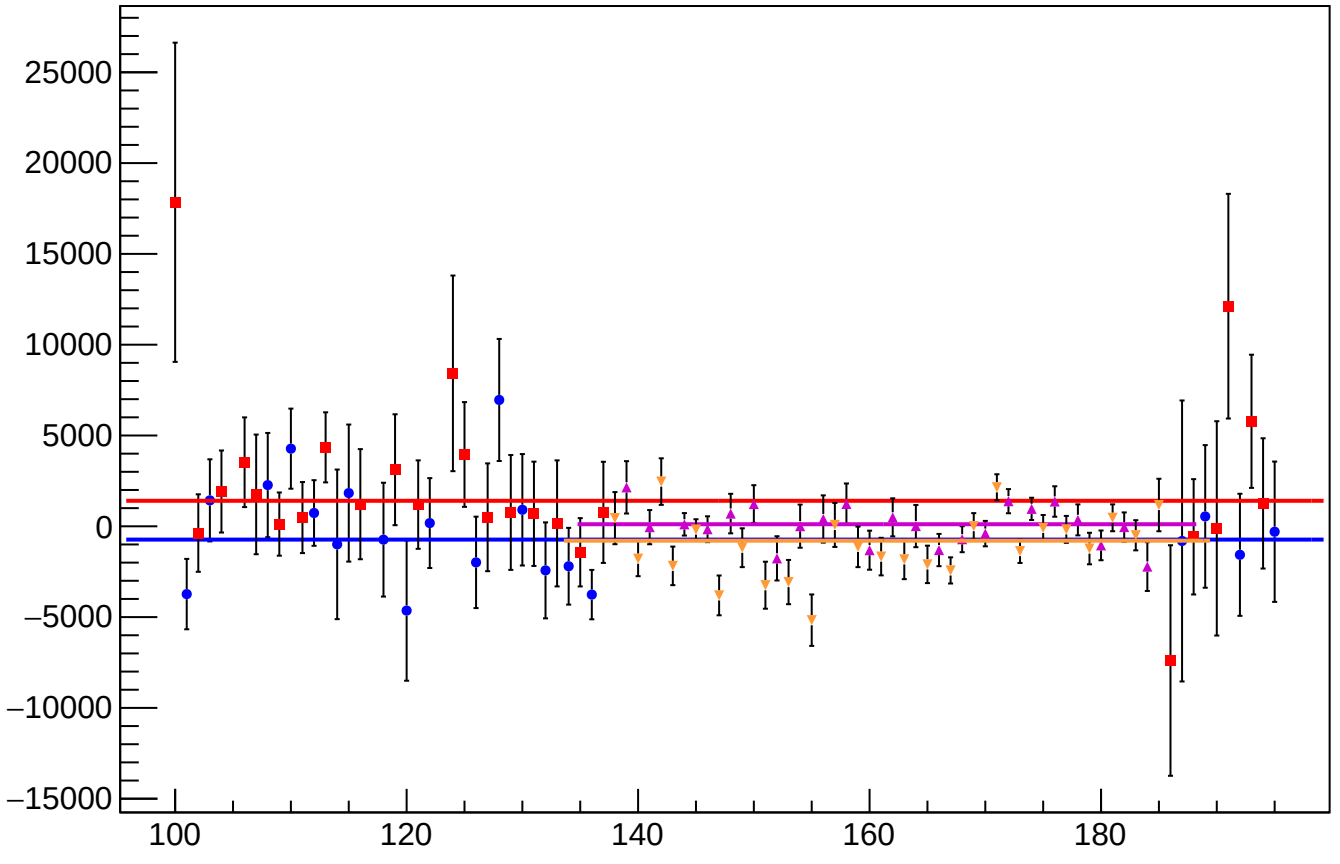
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 155.543+/-0.027 χ^2/NDF: 7025996.5/44

In: 113.480+/-0.016 χ^2/NDF:5870641.2/42

Out: 114.526+/-0.016 χ^2/NDF:7907259.3/49

All: 114.013+/-0.011 χ^2/NDF: 13779974.9/92



Right In: -731.785+/-572.216 χ^2/NDF: 23.6/19

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1404.458+/-555.128 χ^2/NDF: 20.3/24

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

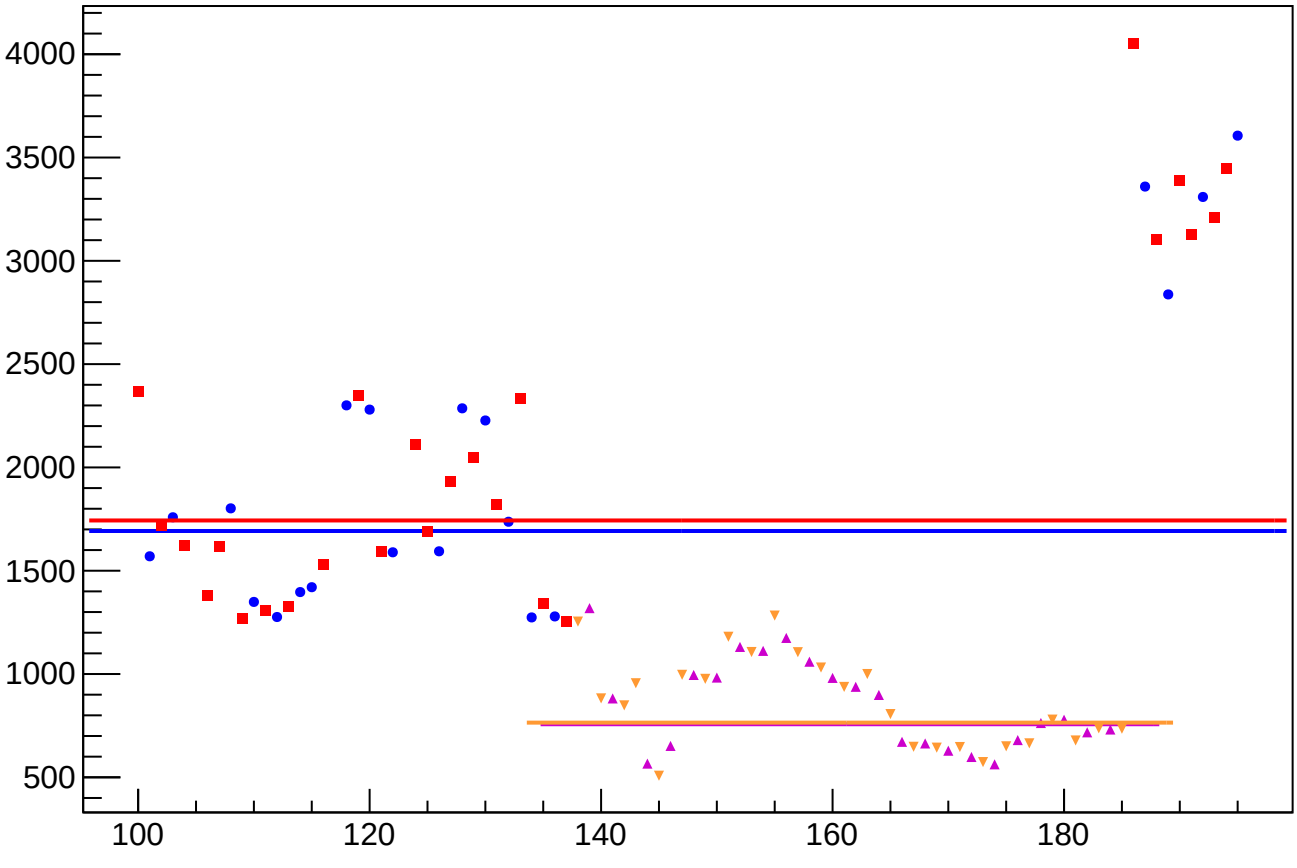
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 368.710+/-398.439 χ^2/NDF: 51.2/44

In: 35.133+/-174.412 χ^2/NDF:51.9/42

Out: -584.225+/-171.135 χ^2/NDF:104.6/49

All: -280.419+/-122.153 χ^2/NDF: 162.9/92



Right In: 1692.309+/-0.405 χ^2/NDF: 1919676.7/19

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1743.275+/-0.393 χ^2/NDF: 2405470.1/24

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

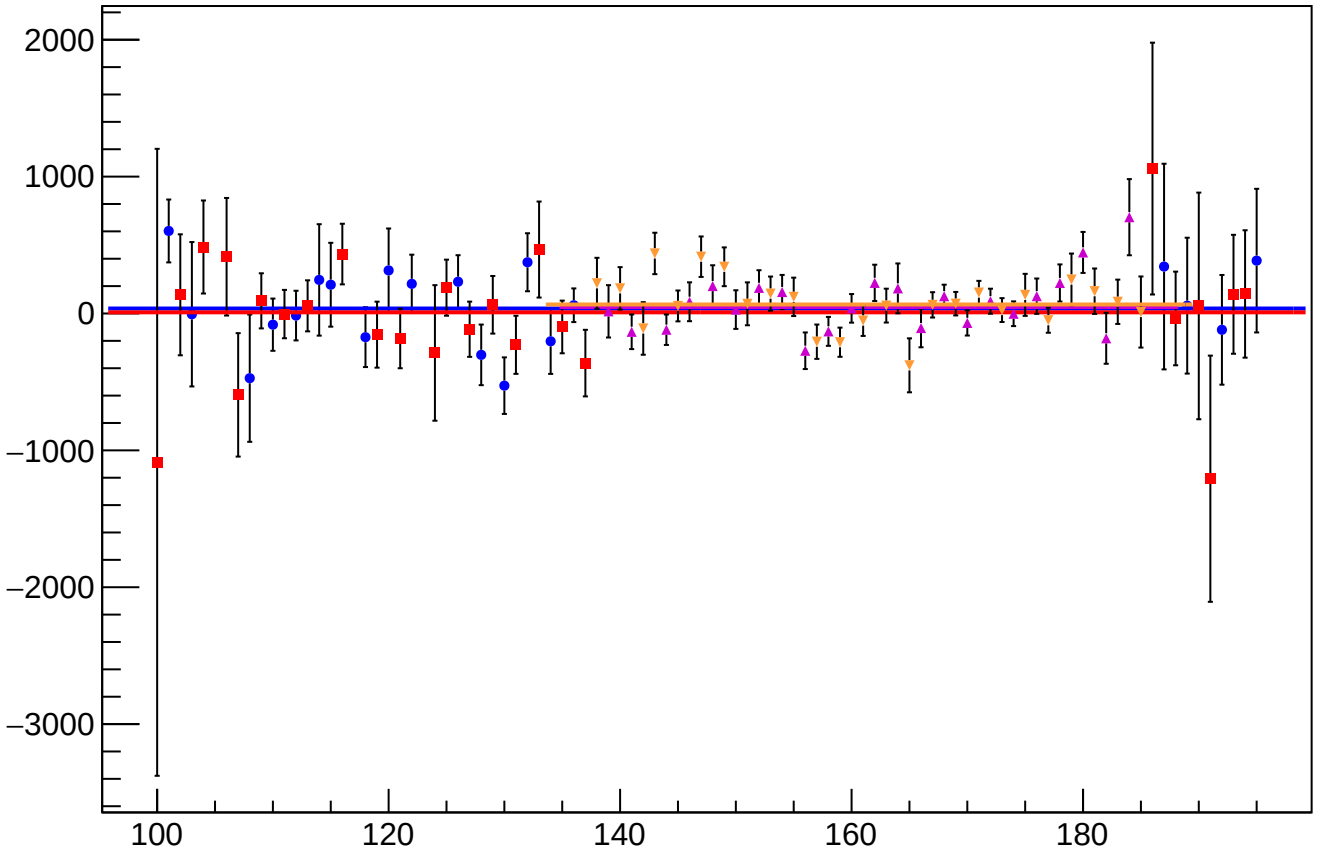
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1718.564+/-0.282 χ^2/NDF: 4333320.0/44

In: 843.827+/-0.123 χ^2/NDF:8882730.1/42

Out: 857.731+/-0.121 χ^2/NDF:10454864.1/49

All: 850.911+/-0.086 χ^2/NDF: 19344070.3/92



Right In: 36.274+/-53.653 χ^2/NDF: 25.9/19

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.436+/-54.218 χ^2/NDF: 20.6/24

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

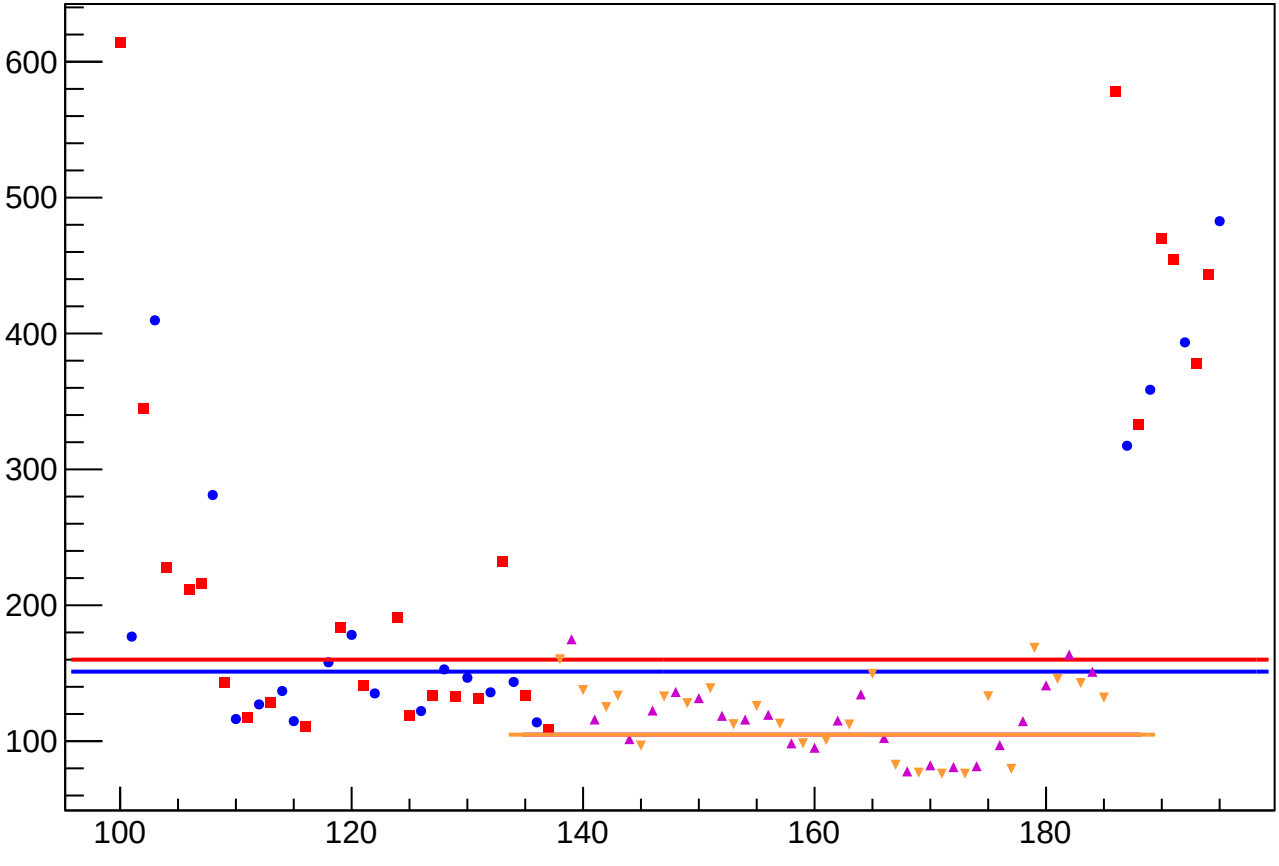
Right: 22.501+/-38.137 χ^2/NDF: 46.7/44

In: 45.029+/-23.175 χ^2/NDF:64.6/42

Out: 55.623+/-22.747 χ^2/NDF:61.6/49

All: 50.425+/-16.234 χ^2/NDF: 126.3/92

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 151.172+/-0.038 χ^2/NDF: 3042726.1/19

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 160.008+/-0.038 χ^2/NDF: 3956445.6/24

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

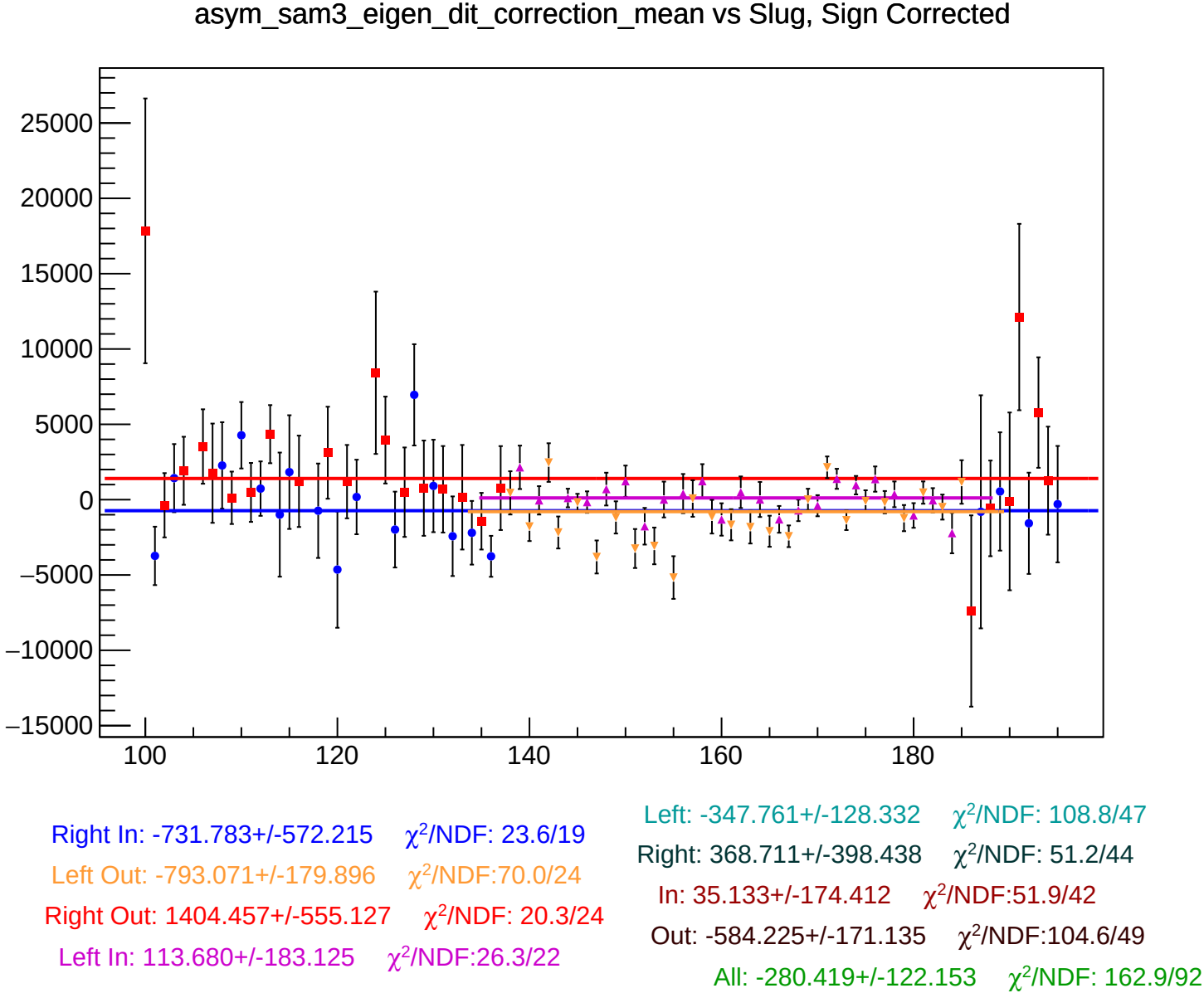
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

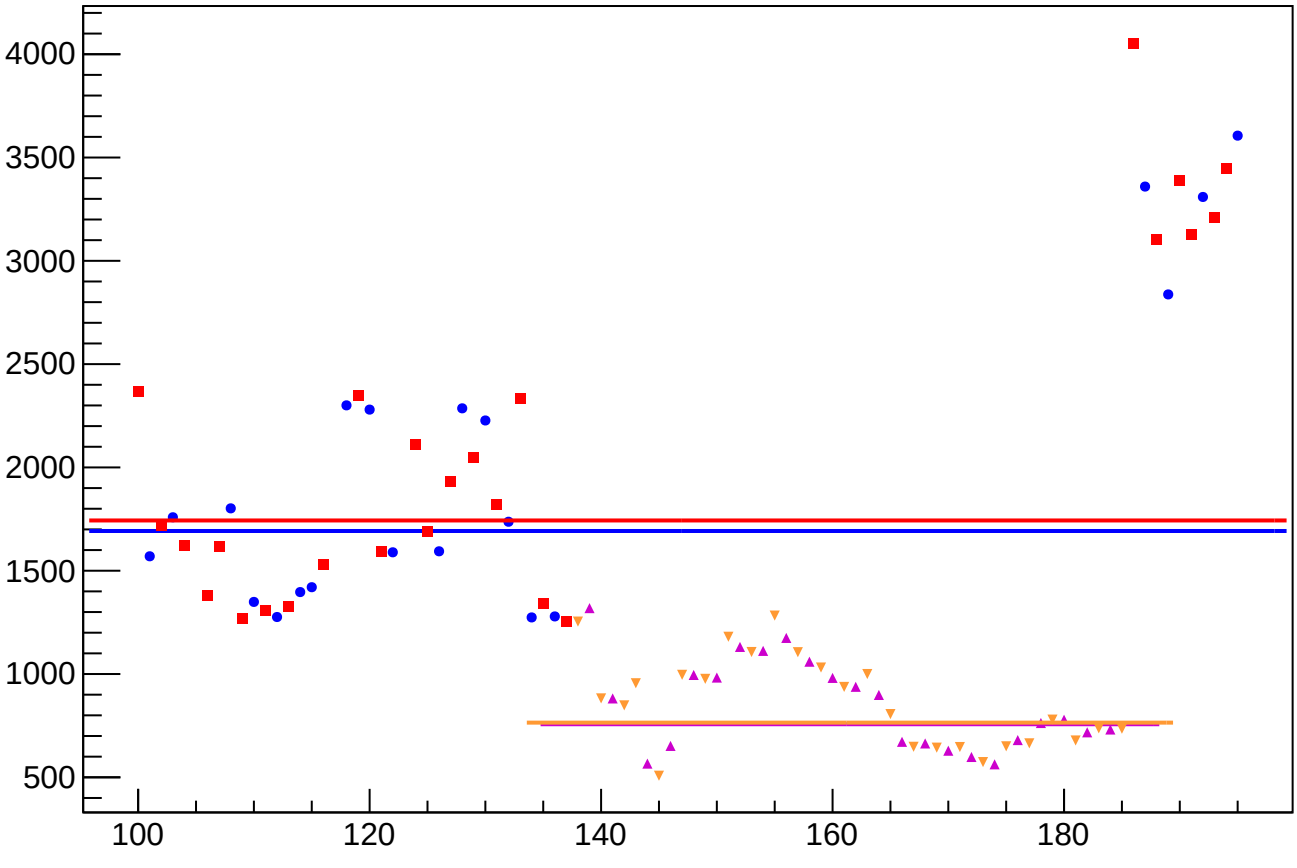
Right: 155.544+/-0.027 χ^2/NDF: 7026004.0/44

In: 113.480+/-0.016 χ^2/NDF:5870646.7/42

Out: 114.526+/-0.016 χ^2/NDF:7907284.1/49

All: 114.013+/-0.011 χ^2/NDF: 13780005.4/92


asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -731.783+/-572.215 χ²/NDF: 23.6/19
Left Out: -793.071+/-179.896 χ²/NDF:70.0/24
Right Out: 1404.457+/-555.127 χ²/NDF: 20.3/24
Left In: 113.680+/-183.125 χ²/NDF:26.3/22
Left: -347.761+/-128.332 χ²/NDF: 108.8/47
Right: 368.711+/-398.438 χ²/NDF: 51.2/44
In: 35.133+/-174.412 χ²/NDF:51.9/42
Out: -584.225+/-171.135 χ²/NDF:104.6/49
All: -280.419+/-122.153 χ²/NDF: 162.9/92



Right In: 1692.308+/-0.405 χ^2/NDF: 1919675.1/19

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1743.272+/-0.393 χ^2/NDF: 2405467.5/24

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

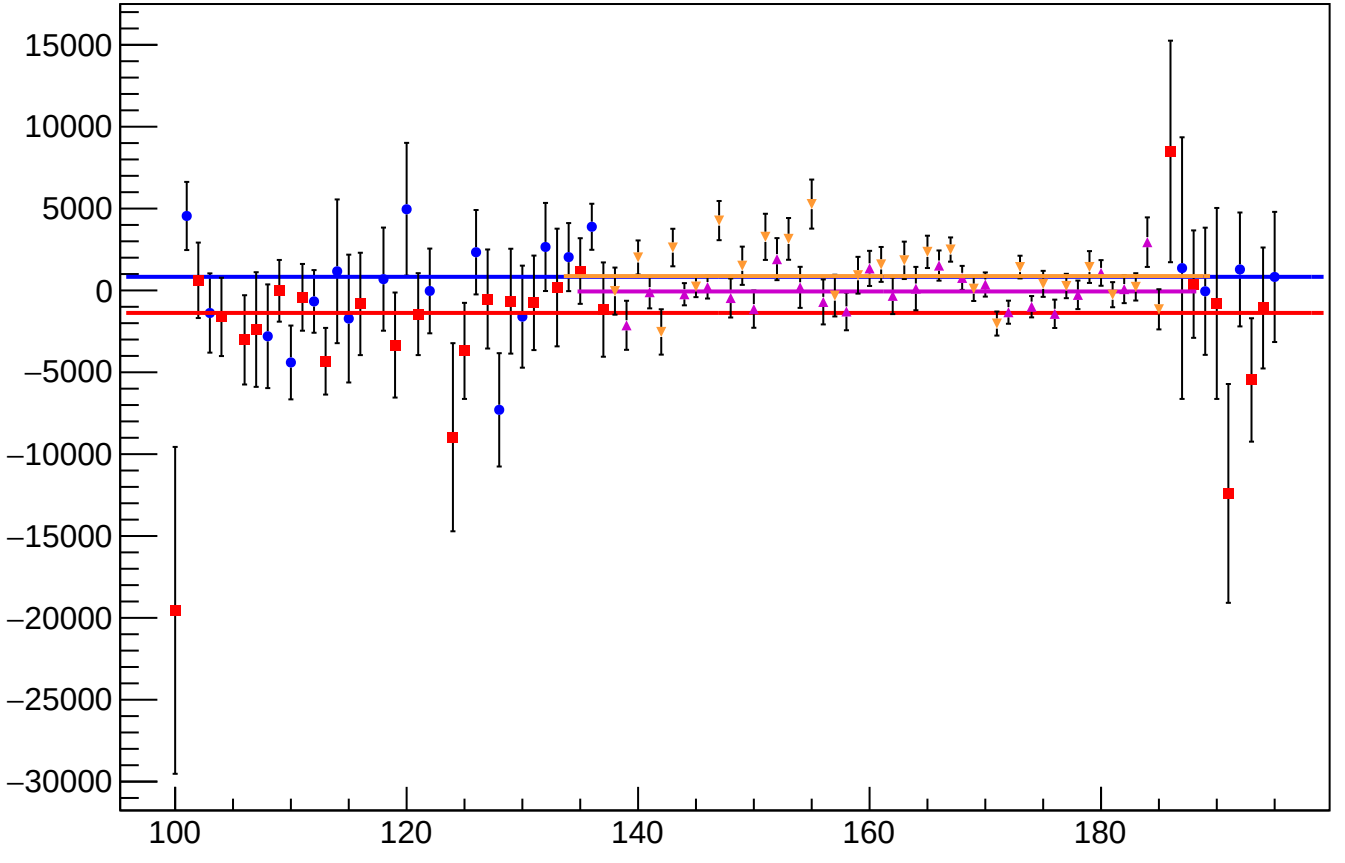
Right: 1718.562+/-0.282 χ^2/NDF: 4333315.7/44

In: 843.826+/-0.123 χ^2/NDF:8882722.6/42

Out: 857.731+/-0.121 χ^2/NDF:10454849.3/49

All: 850.910+/-0.086 χ^2/NDF: 19344048.0/92

asym_sam3_mean vs Slug, Sign Corrected



Right In: 830.425+/-593.433 χ^2/NDF: 25.0/19

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1374.045+/-583.023 χ^2/NDF: 18.5/24

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

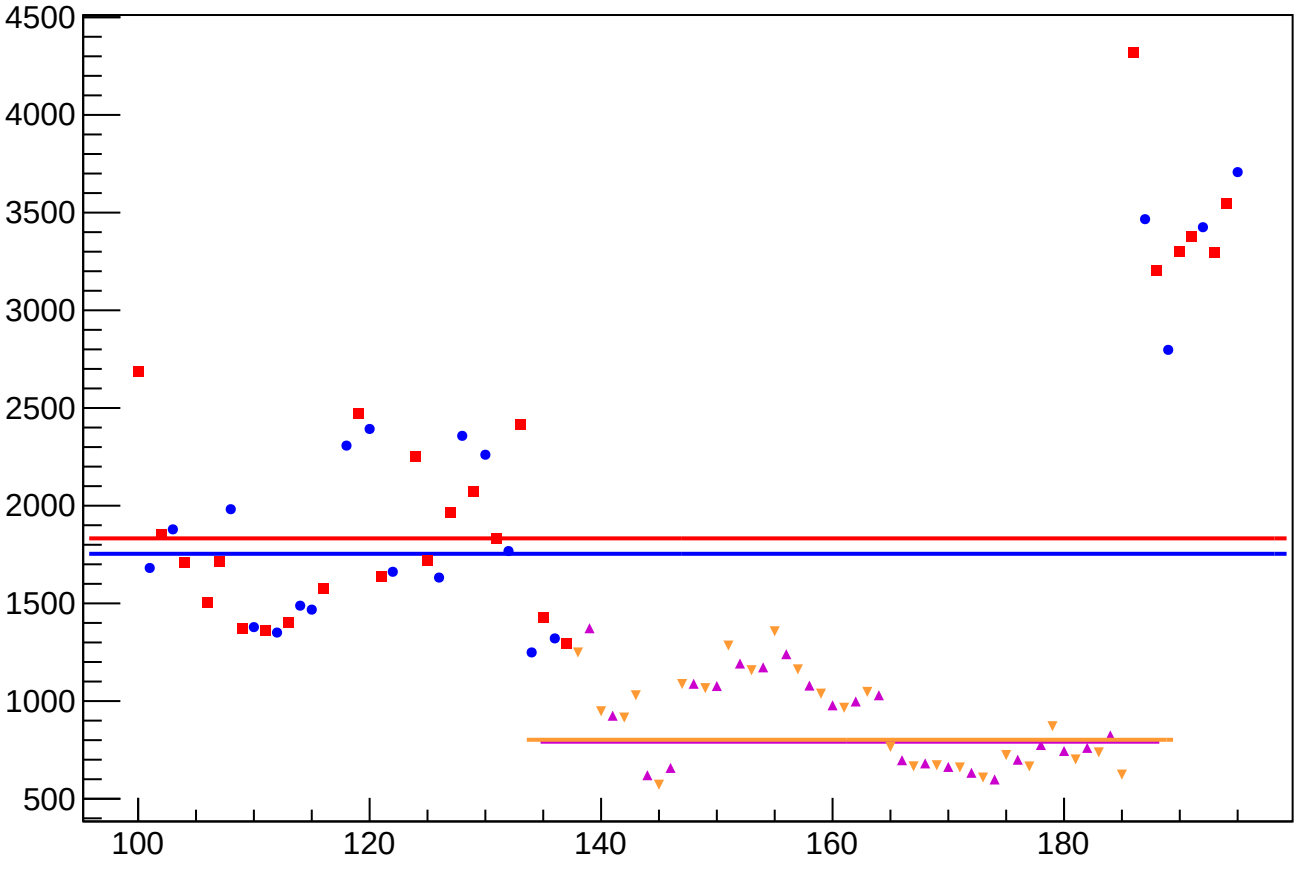
Right: -291.315+/-415.891 χ^2/NDF: 50.4/44

In: 21.561+/-182.329 χ^2/NDF:54.1/42

Out: 662.473+/-179.788 χ^2/NDF:99.2/49

All: 346.515+/-128.018 χ^2/NDF: 159.6/92

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1753.794+/-0.420 χ^2/NDF: 1901429.3/19

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1832.742+/-0.412 χ^2/NDF: 2291014.6/24

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

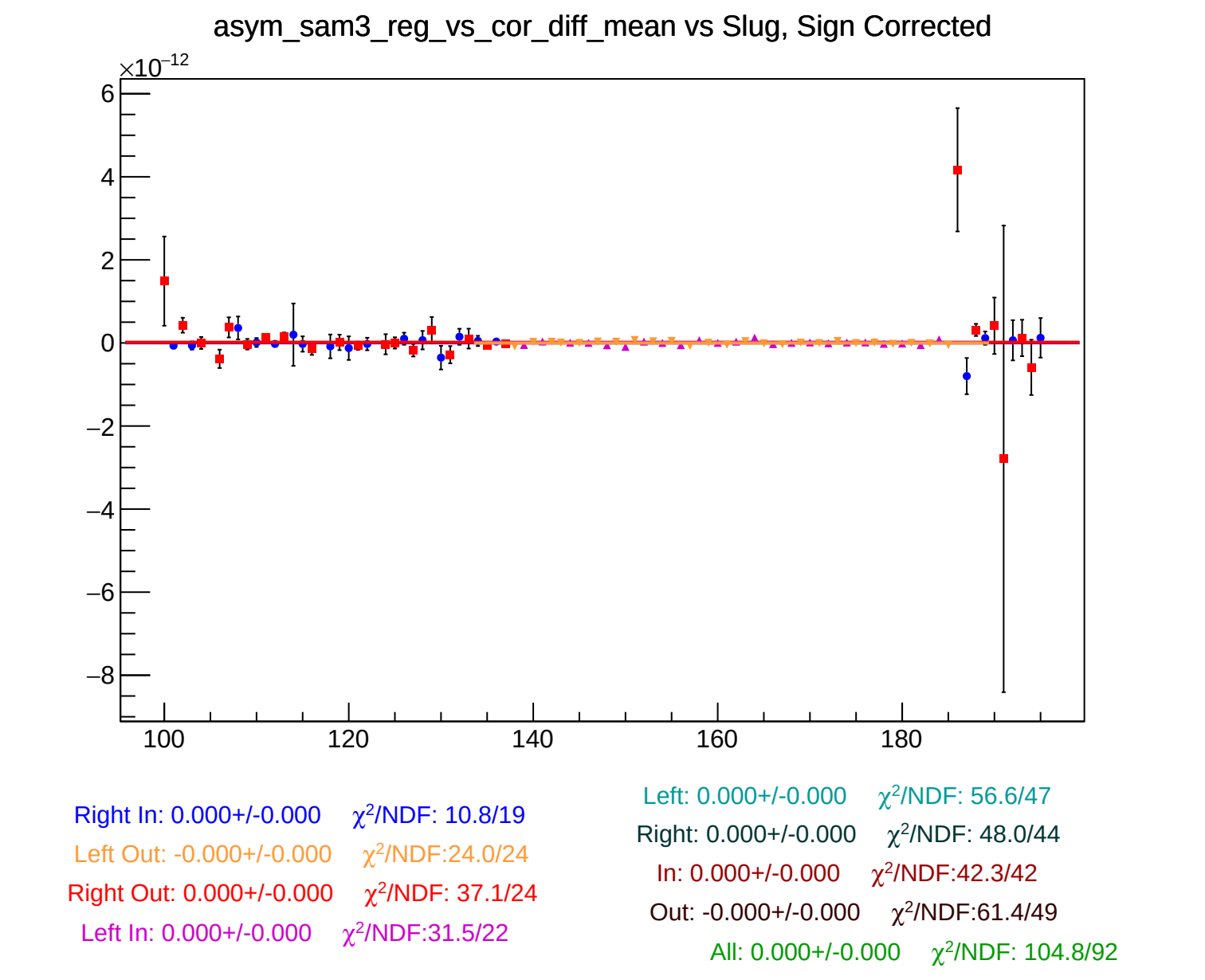
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

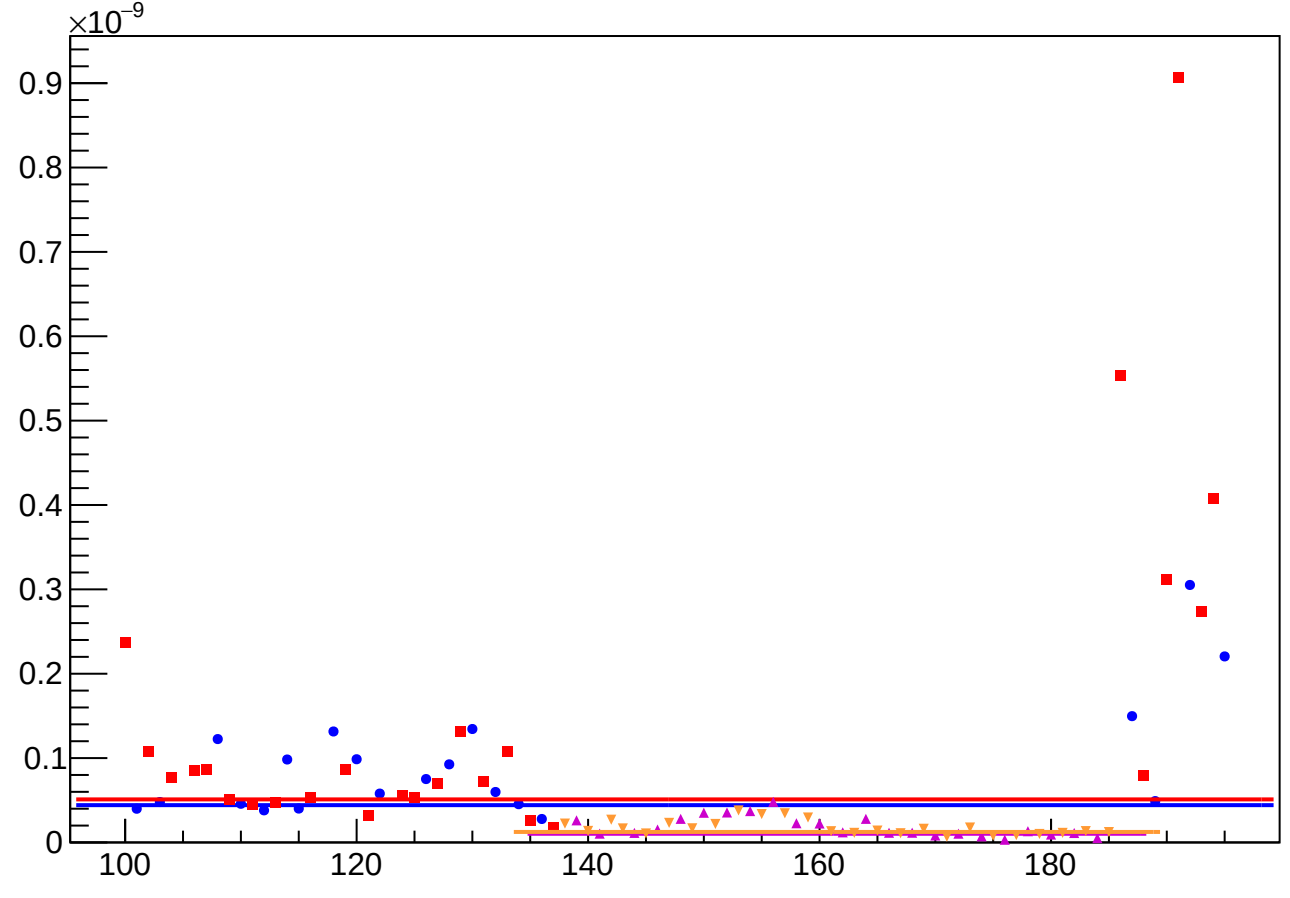
Right: 1793.967+/-0.294 χ^2/NDF: 4210455.9/44

In: 882.847+/-0.129 χ^2/NDF:8794005.3/42

Out: 900.029+/-0.127 χ^2/NDF:10343581.5/49

All: 891.559+/-0.091 χ^2/NDF: 19146592.1/92


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 10.8/19
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.1/24
Left In: 0.000+/-0.000 χ²/NDF:31.5/22
Left: 0.000+/-0.000 χ²/NDF: 56.6/47
Right: 0.000+/-0.000 χ²/NDF: 48.0/44
In: 0.000+/-0.000 χ²/NDF:42.3/42
Out: -0.000+/-0.000 χ²/NDF:61.4/49
All: 0.000+/-0.000 χ²/NDF: 104.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 2133054.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3183147.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

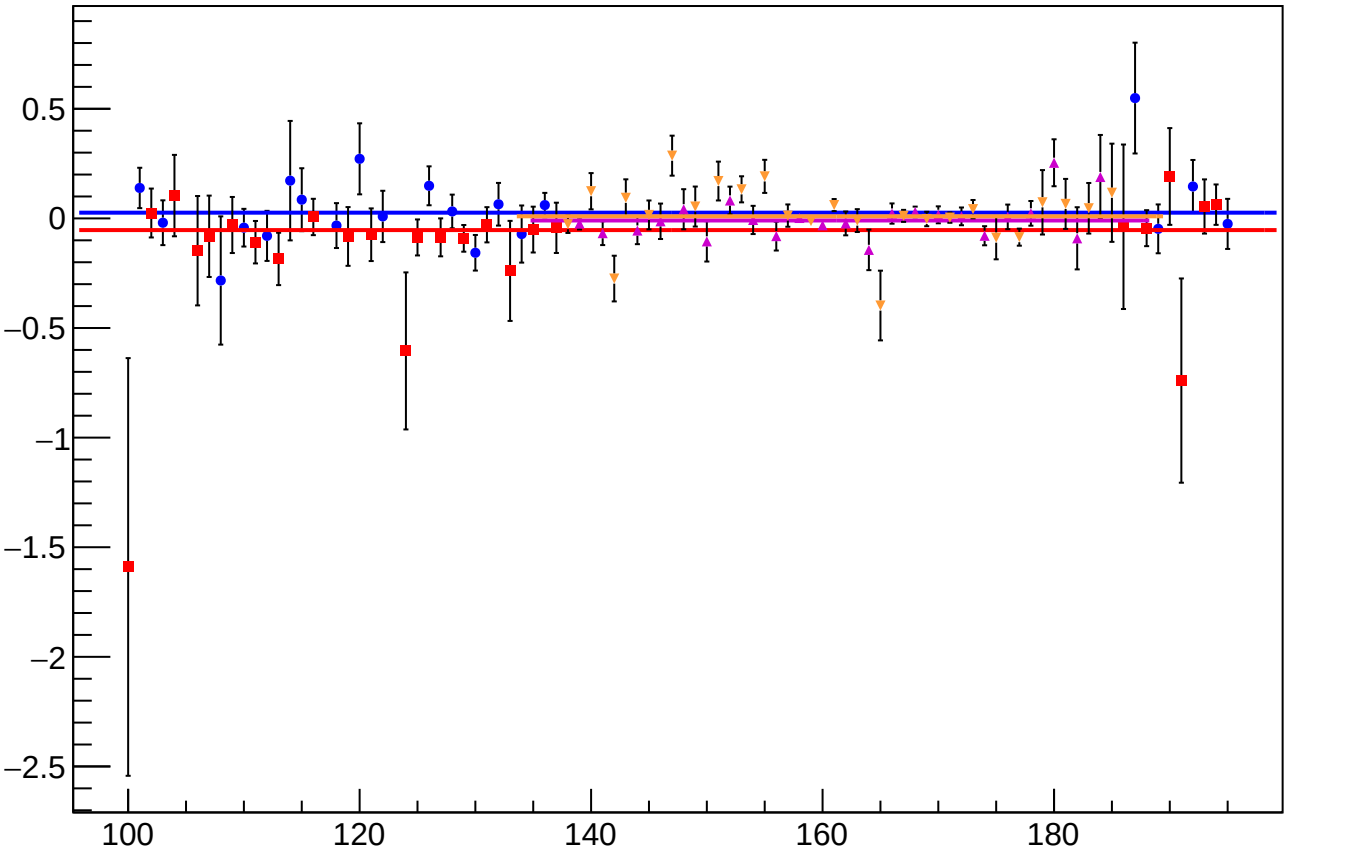
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5374856.4/44

In: 0.000+/-0.000 χ^2/NDF:8925674.2/42

Out: 0.000+/-0.000 χ^2/NDF:8693801.4/49

All: 0.000+/-0.000 χ^2/NDF: 17817289.5/92



Right In: 0.026+/-0.023 χ^2/NDF: 21.4/19

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.7/24

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

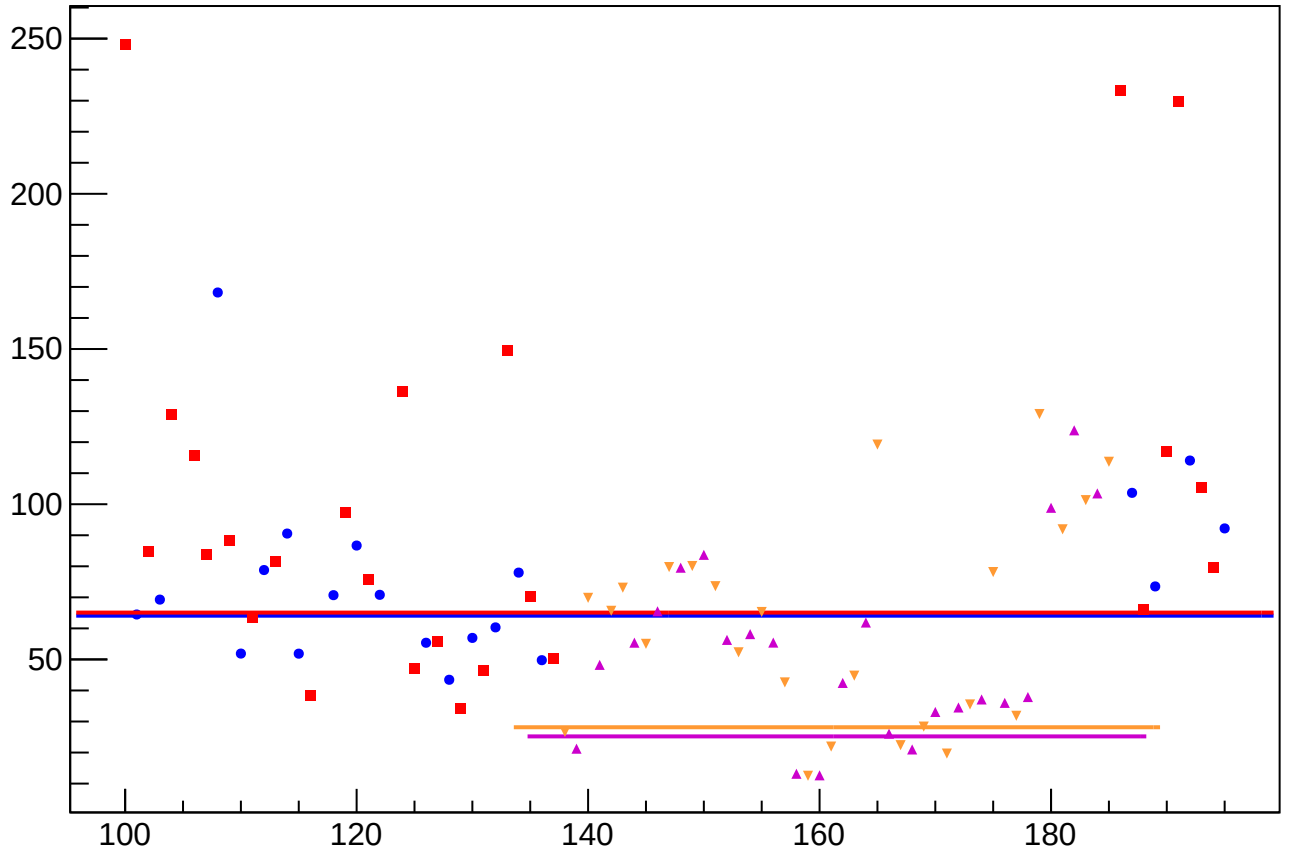
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 43.2/44

In: -0.006+/-0.007 χ^2/NDF:48.7/42

Out: 0.002+/-0.008 χ^2/NDF:77.1/49

All: -0.002+/-0.005 χ^2/NDF: 126.3/92



Right In: 64.095+/-0.016 χ^2/NDF: 1283139.1/19

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 65.088+/-0.016 χ^2/NDF: 3075130.0/24

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

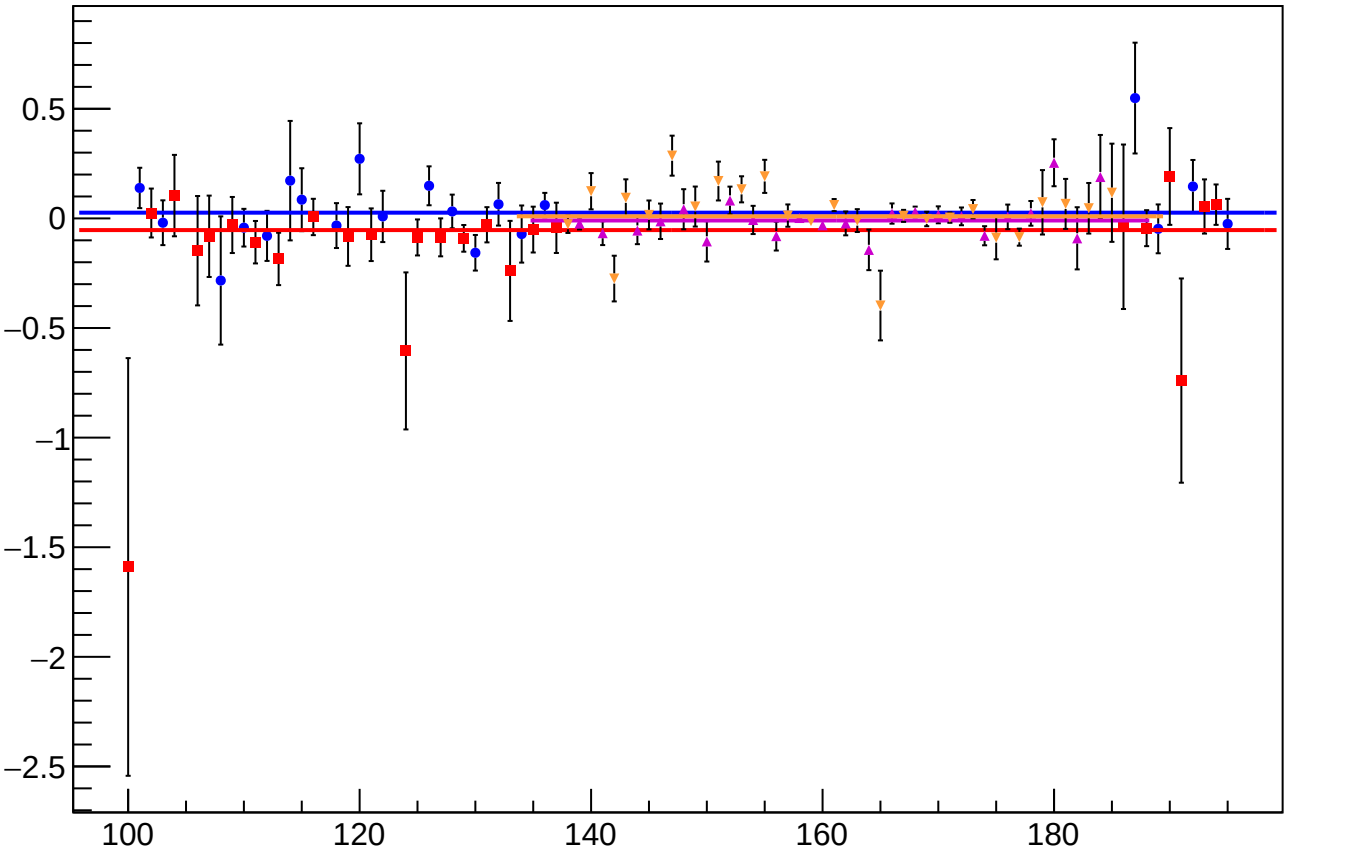
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 64.597+/-0.011 χ^2/NDF: 4360147.2/44

In: 29.319+/-0.005 χ^2/NDF:16342012.5/42

Out: 32.630+/-0.006 χ^2/NDF:18771288.5/49

All: 30.881+/-0.004 χ^2/NDF: 35297570.7/92



Right In: 0.026+/-0.023 χ^2/NDF: 21.4/19

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.7/24

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

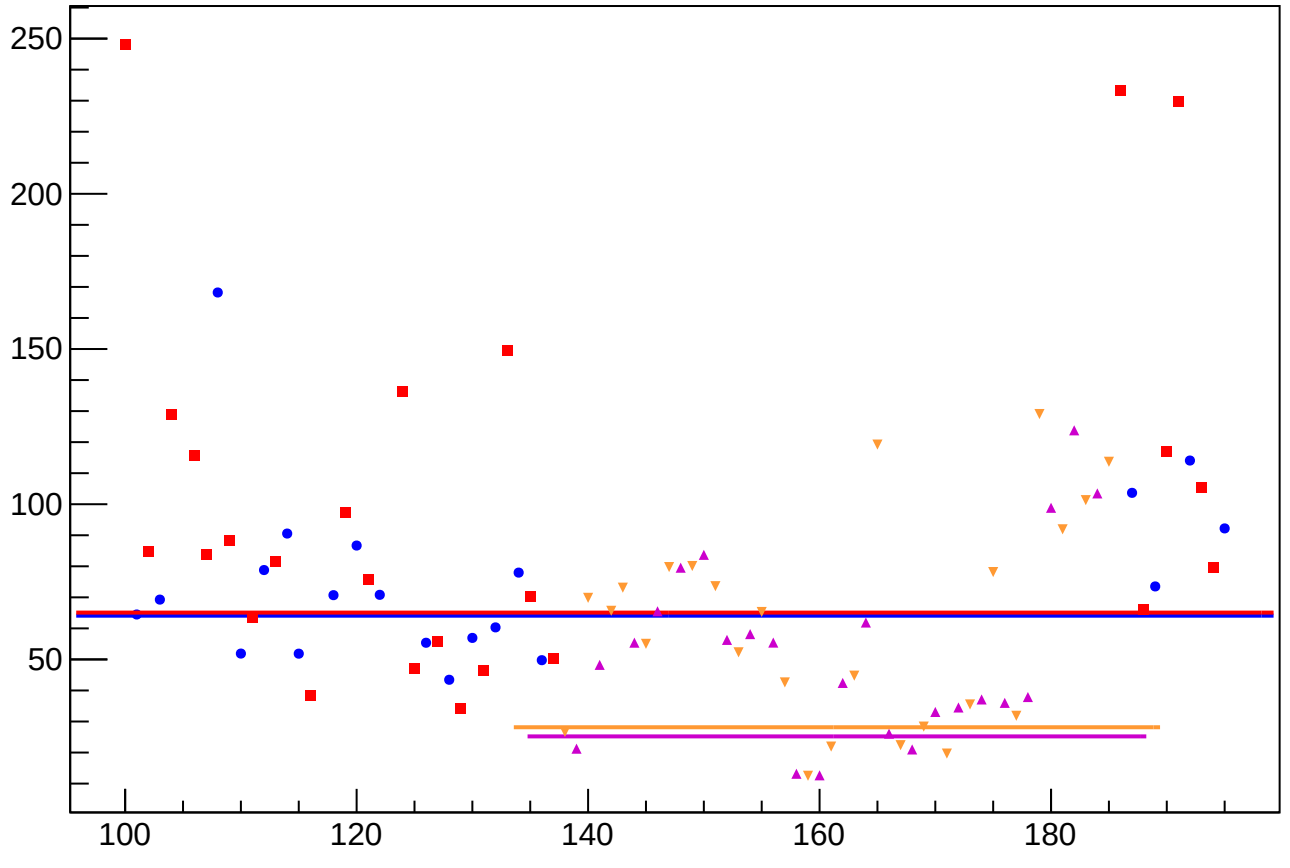
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 43.2/44

In: -0.006+/-0.007 χ^2/NDF:48.7/42

Out: 0.002+/-0.008 χ^2/NDF:77.1/49

All: -0.002+/-0.005 χ^2/NDF: 126.3/92



Right In: 64.095+/-0.016 χ^2/NDF: 1283139.1/19

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 65.088+/-0.016 χ^2/NDF: 3075130.0/24

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

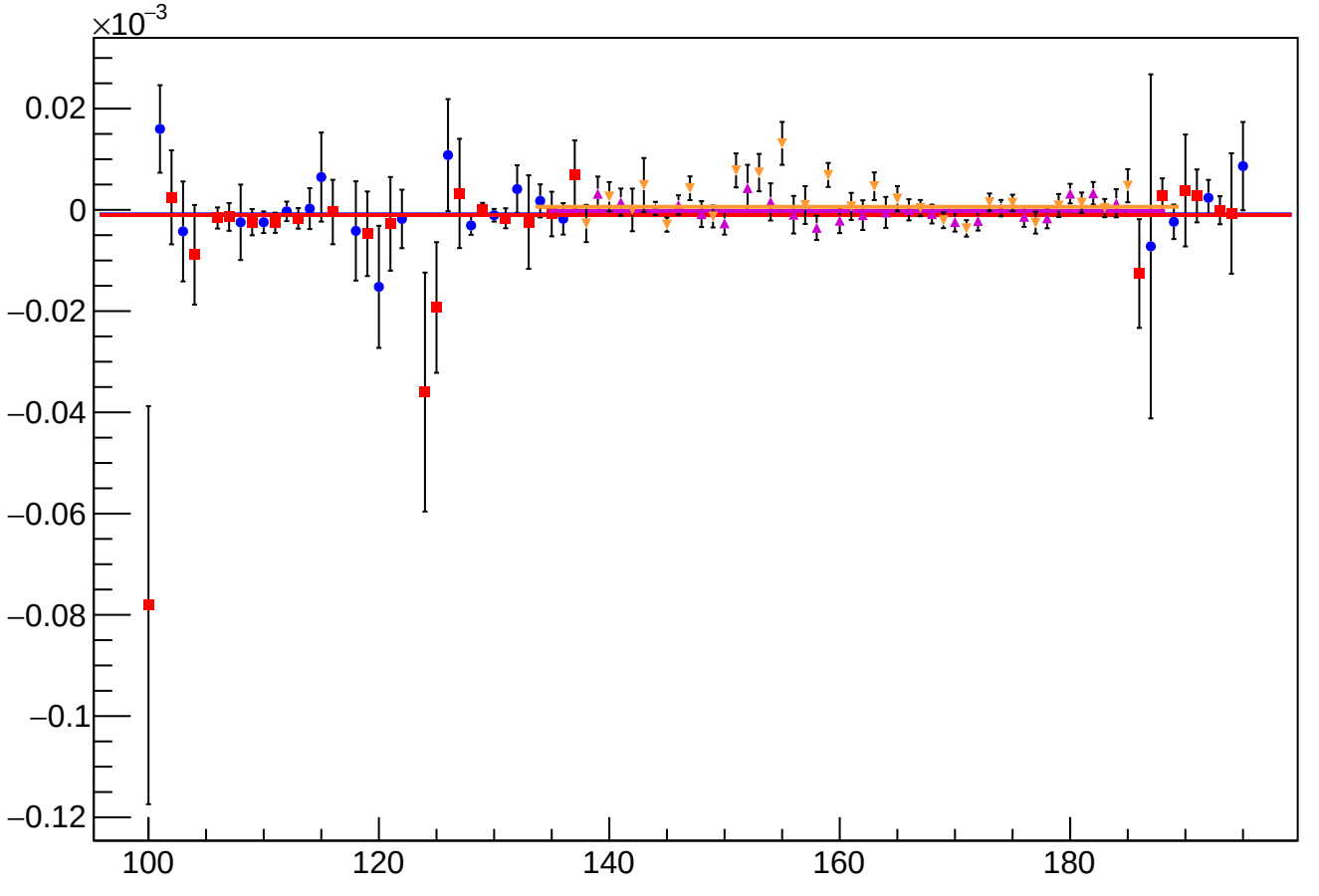
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 64.597+/-0.011 χ^2/NDF: 4360147.2/44

In: 29.319+/-0.005 χ^2/NDF:16342012.5/42

Out: 32.630+/-0.006 χ^2/NDF:18771288.5/49

All: 30.881+/-0.004 χ^2/NDF: 35297570.7/92



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/24

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

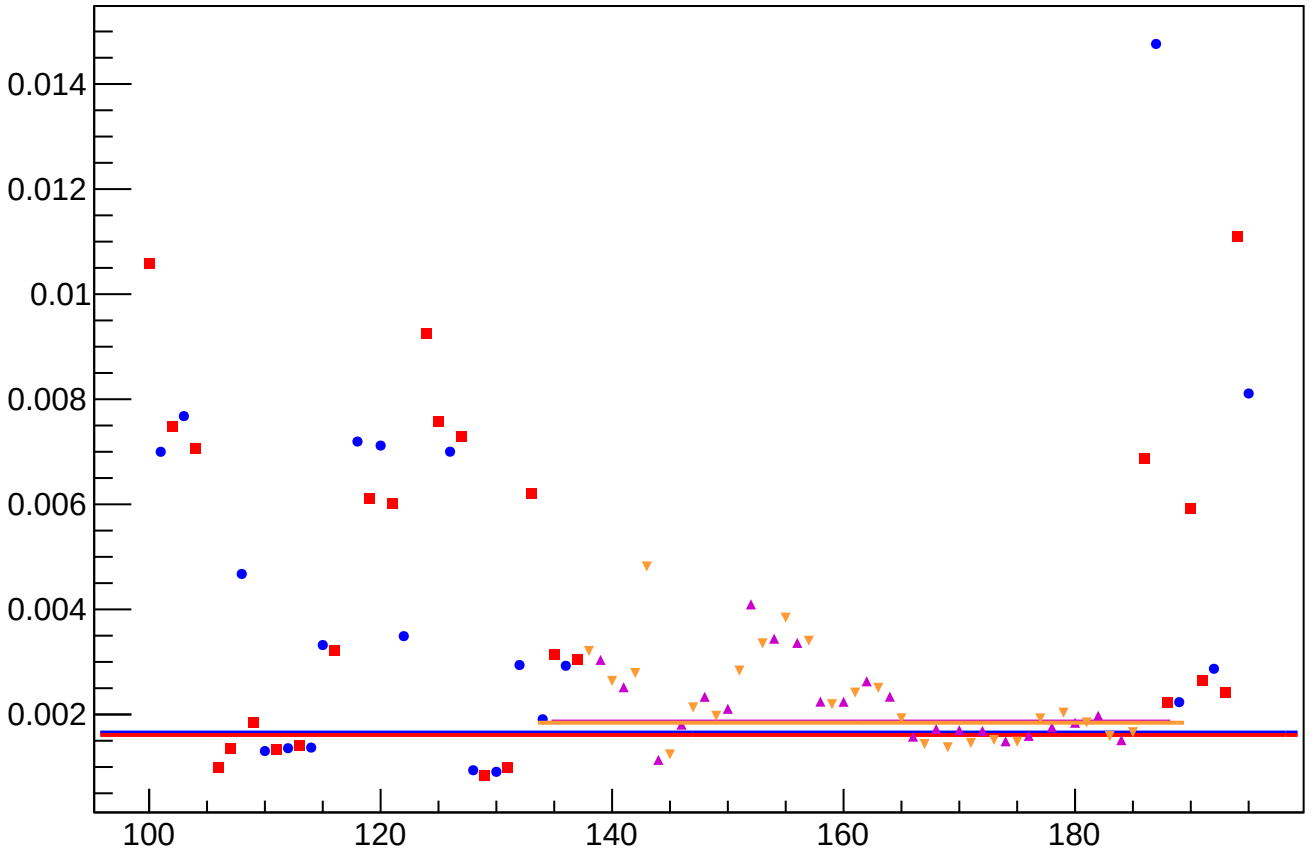
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 29.6/44

In: -0.000+/-0.000 χ^2/NDF:30.7/42

Out: 0.000+/-0.000 χ^2/NDF:72.5/49

All: -0.000+/-0.000 χ^2/NDF: 104.2/92



Right In: 0.002+/-0.000 χ^2/NDF: 6934919.0/19

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8285494.0/24

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

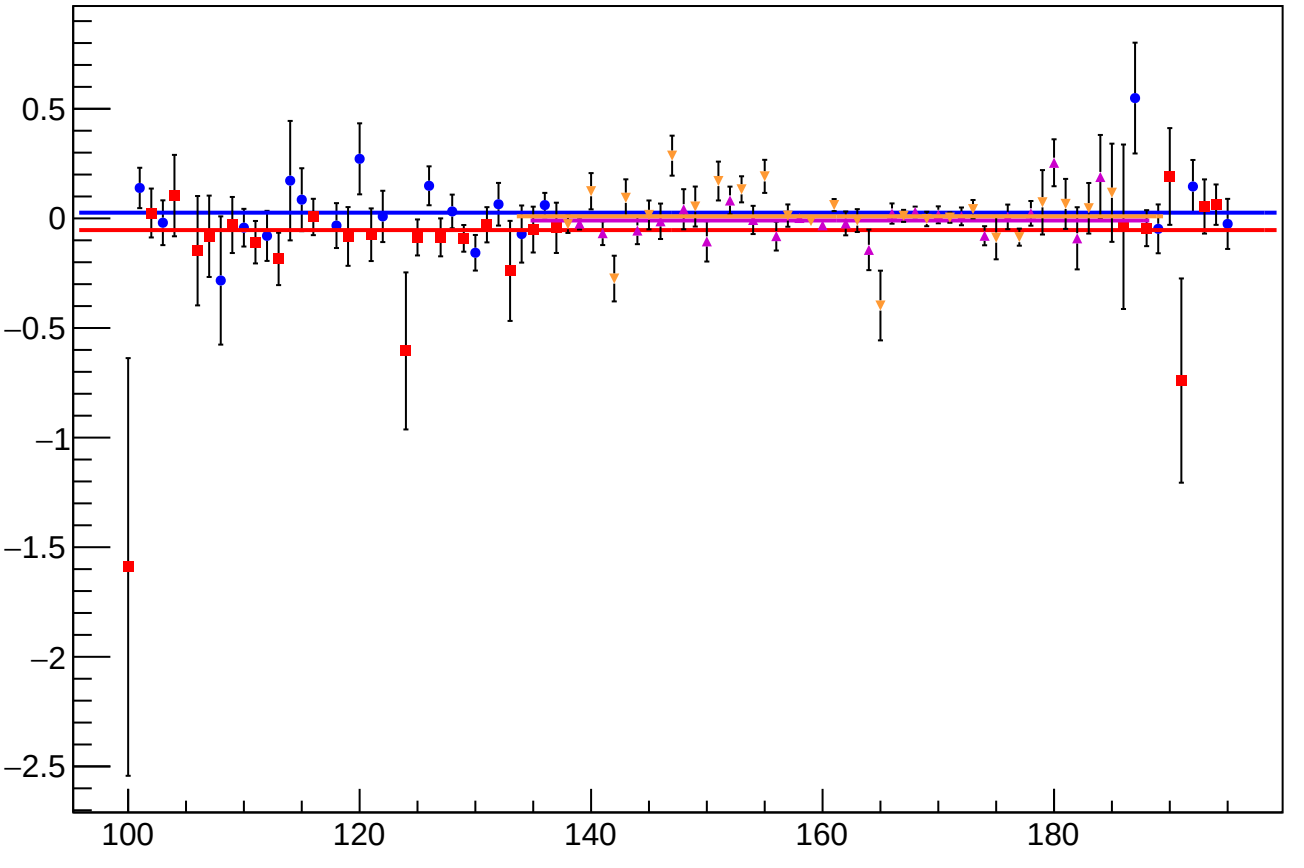
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 15224811.7/44

In: 0.002+/-0.000 χ^2/NDF:9853044.9/42

Out: 0.002+/-0.000 χ^2/NDF:12241579.5/49

All: 0.002+/-0.000 χ^2/NDF: 22102183.2/92



Right In: 0.026+/-0.023 χ^2/NDF: 21.4/19

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.7/24

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

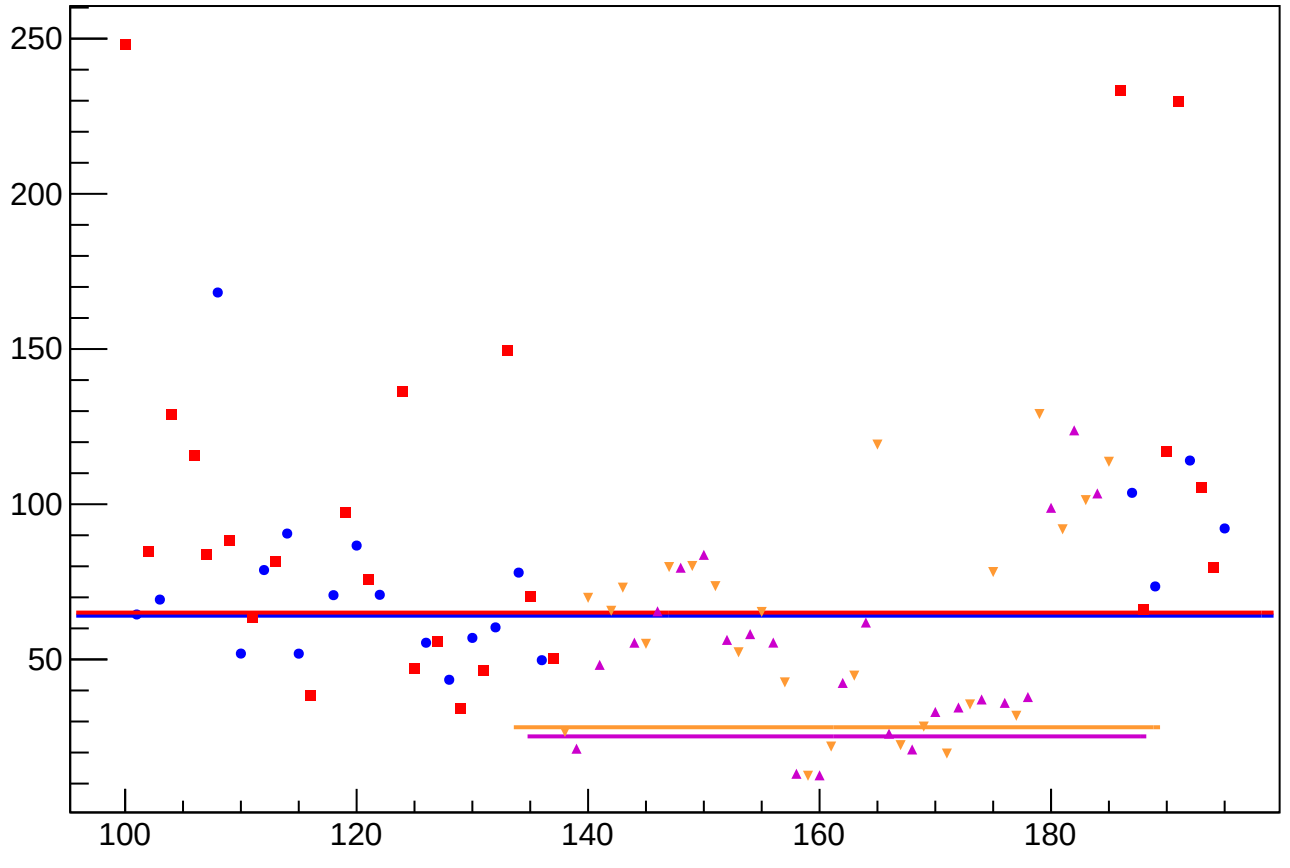
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 43.2/44

In: -0.006+/-0.007 χ^2/NDF:48.7/42

Out: 0.002+/-0.008 χ^2/NDF:77.1/49

All: -0.002+/-0.005 χ^2/NDF: 126.3/92



Right In: 64.096+/-0.016 χ^2/NDF: 1283135.5/19

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 65.089+/-0.016 χ^2/NDF: 3075190.7/24

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

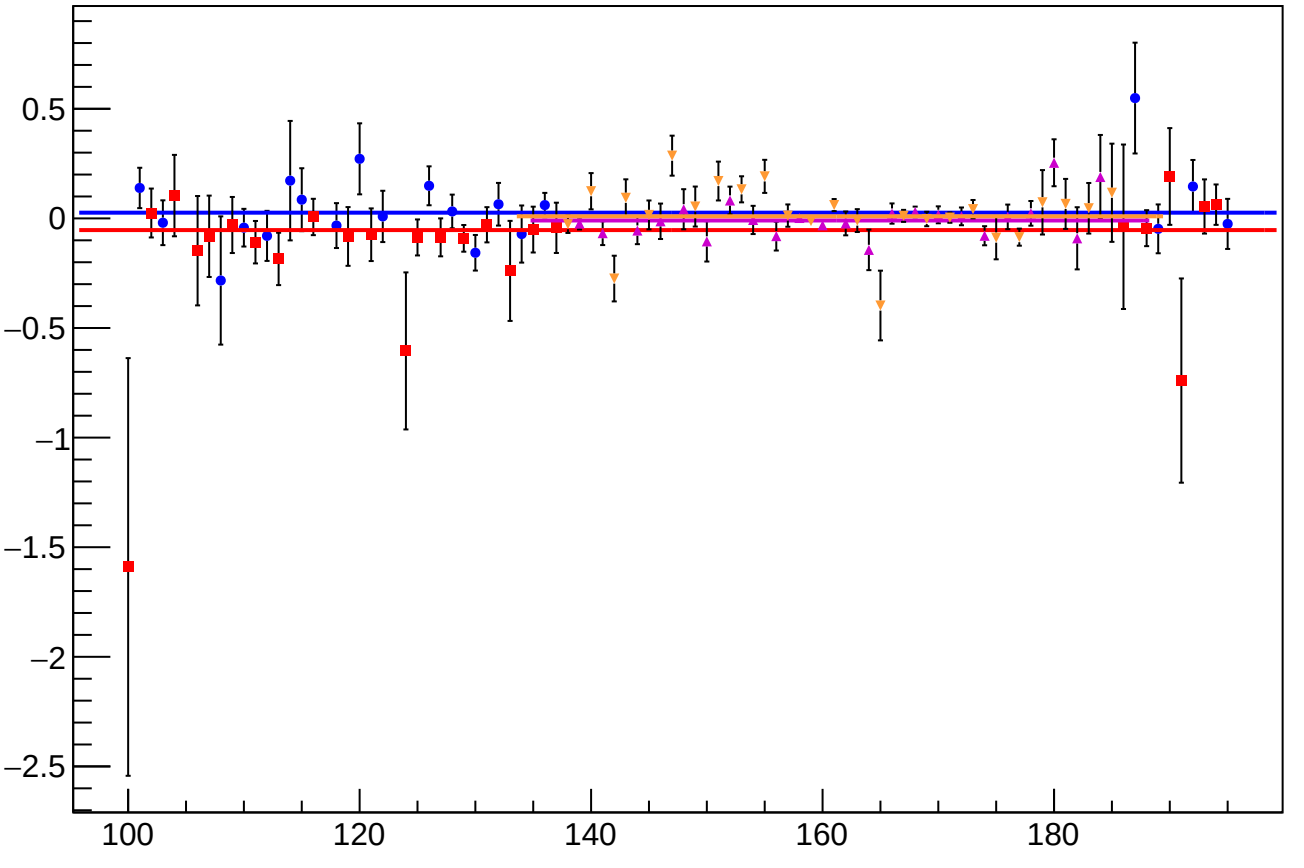
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 64.598+/-0.011 χ^2/NDF: 4360206.3/44

In: 29.318+/-0.005 χ^2/NDF:16342637.7/42

Out: 32.629+/-0.006 χ^2/NDF:18772886.8/49

All: 30.880+/-0.004 χ^2/NDF: 35299707.9/92



Right In: 0.026+/-0.023 χ^2/NDF: 21.4/19

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.7/24

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

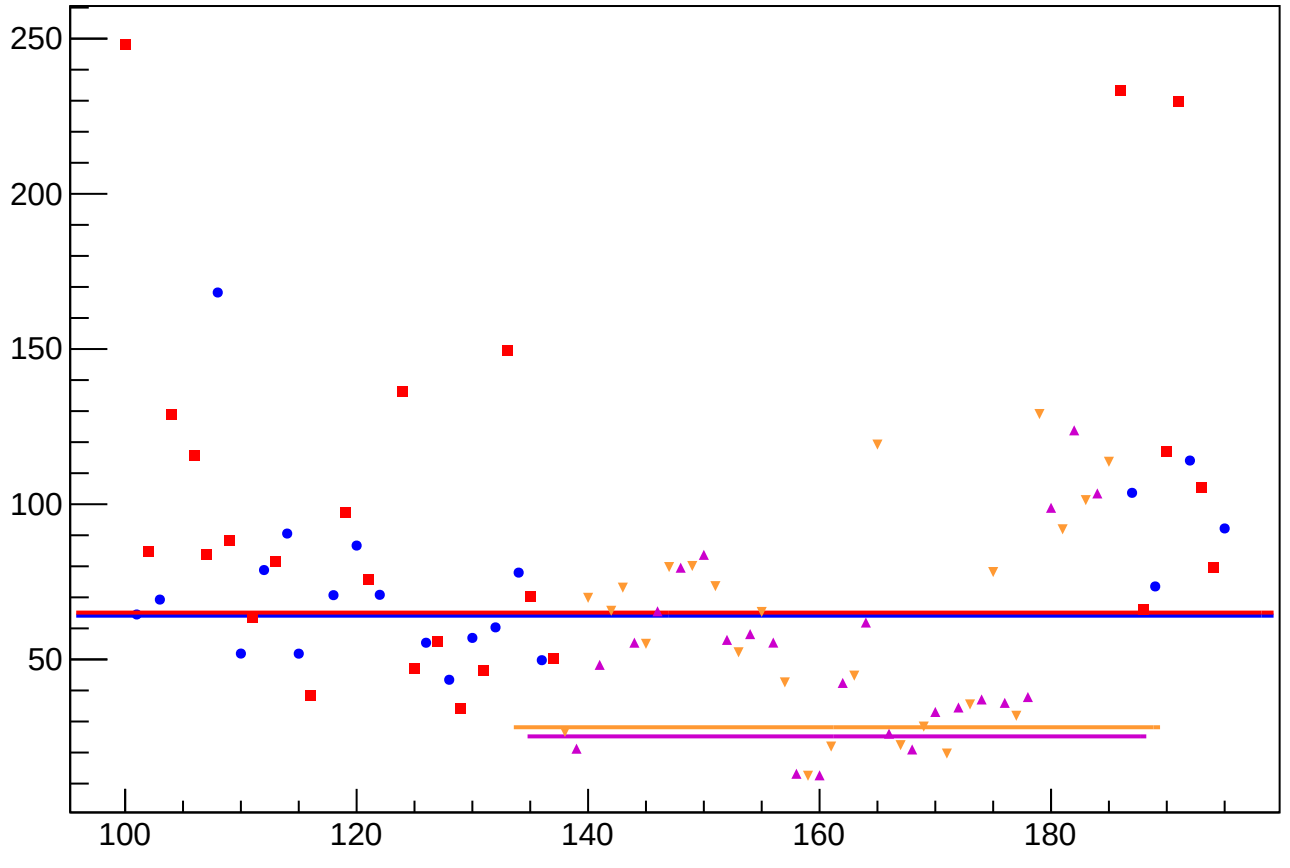
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 43.2/44

In: -0.006+/-0.007 χ^2/NDF:48.7/42

Out: 0.002+/-0.008 χ^2/NDF:77.1/49

All: -0.002+/-0.005 χ^2/NDF: 126.3/92



Right In: 64.096+/-0.016 χ^2/NDF: 1283135.5/19

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 65.089+/-0.016 χ^2/NDF: 3075190.7/24

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

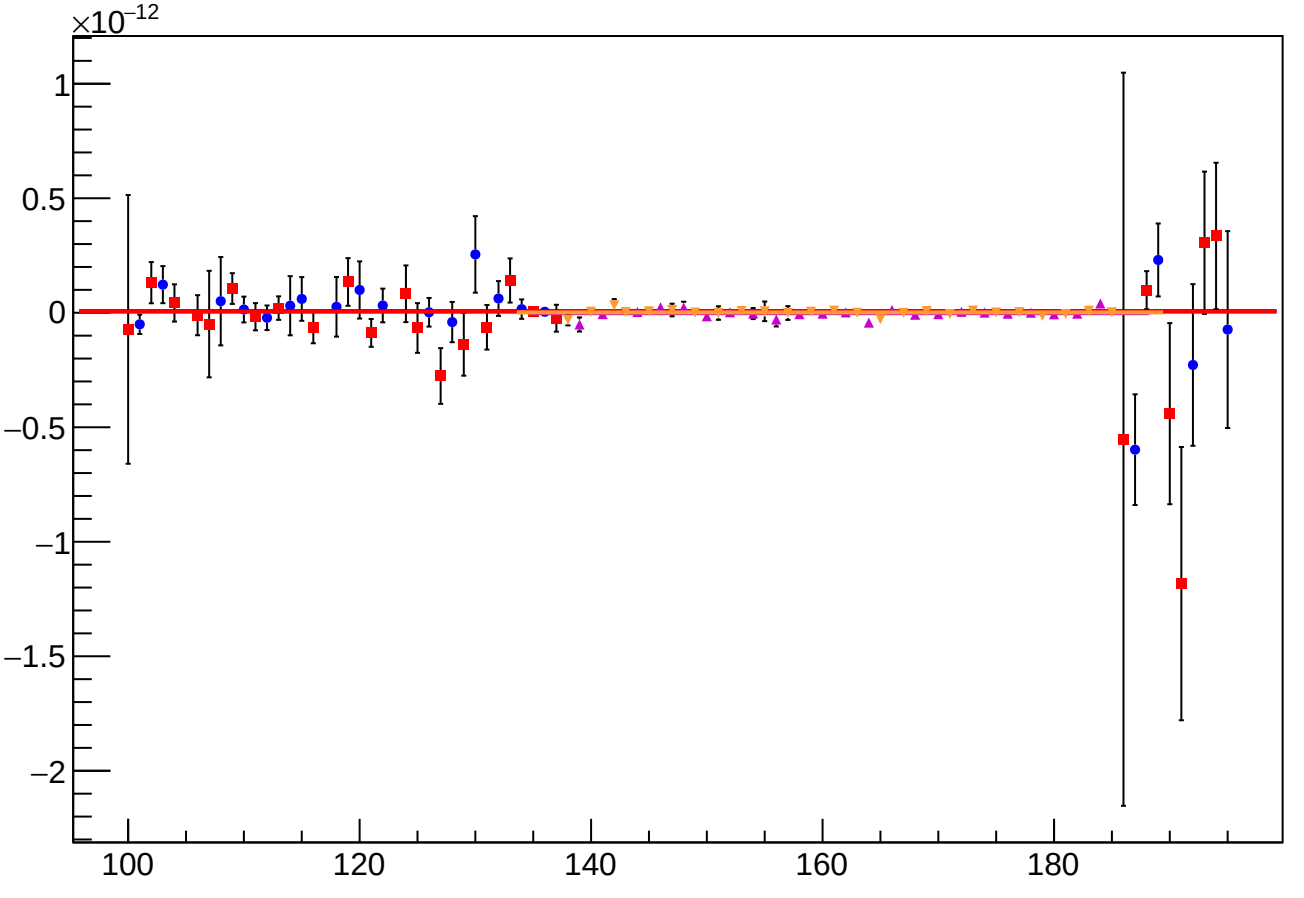
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 64.598+/-0.011 χ^2/NDF: 4360206.3/44

In: 29.318+/-0.005 χ^2/NDF:16342637.7/42

Out: 32.629+/-0.006 χ^2/NDF:18772886.8/49

All: 30.880+/-0.004 χ^2/NDF: 35299707.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/24

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

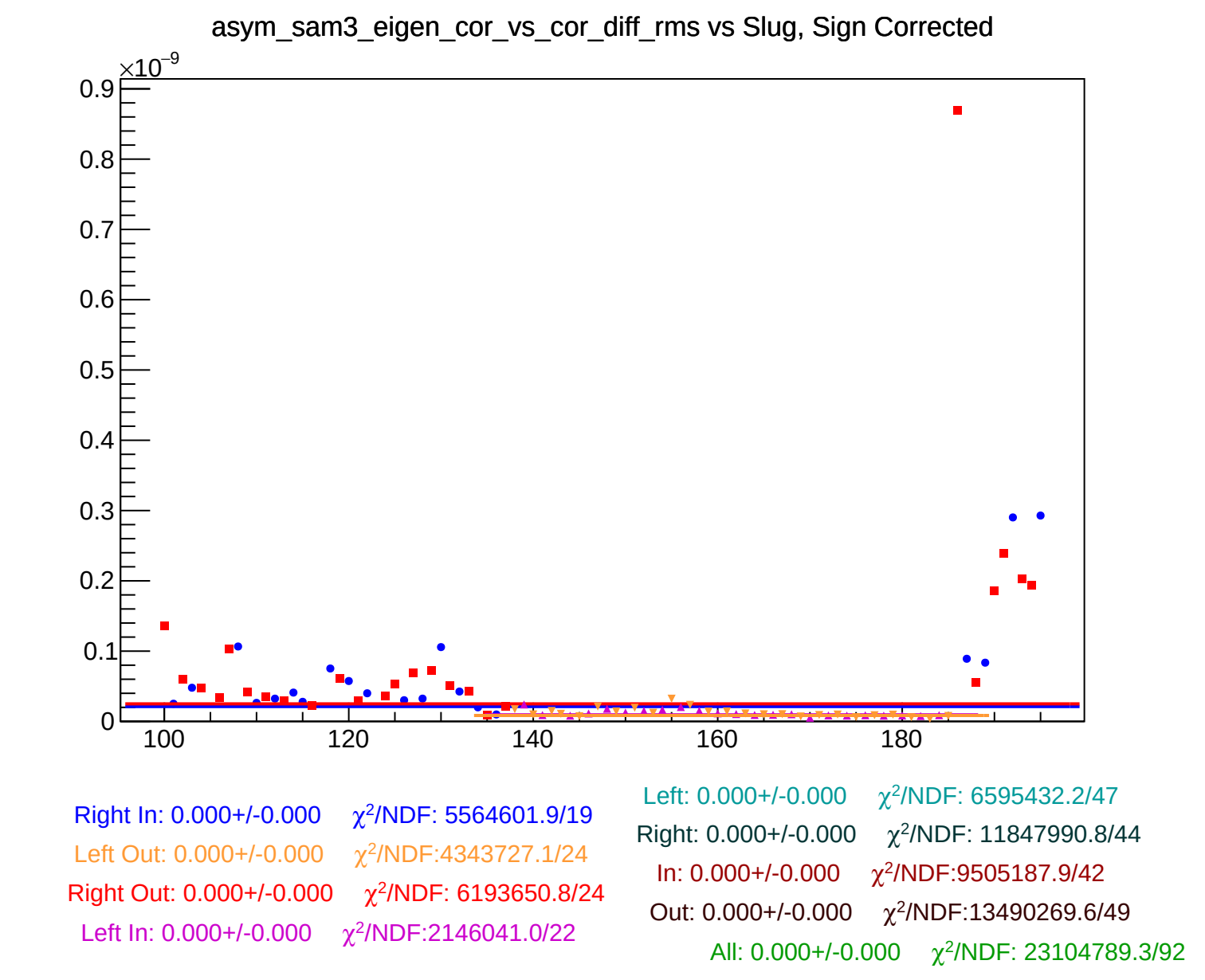
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 45.4/44

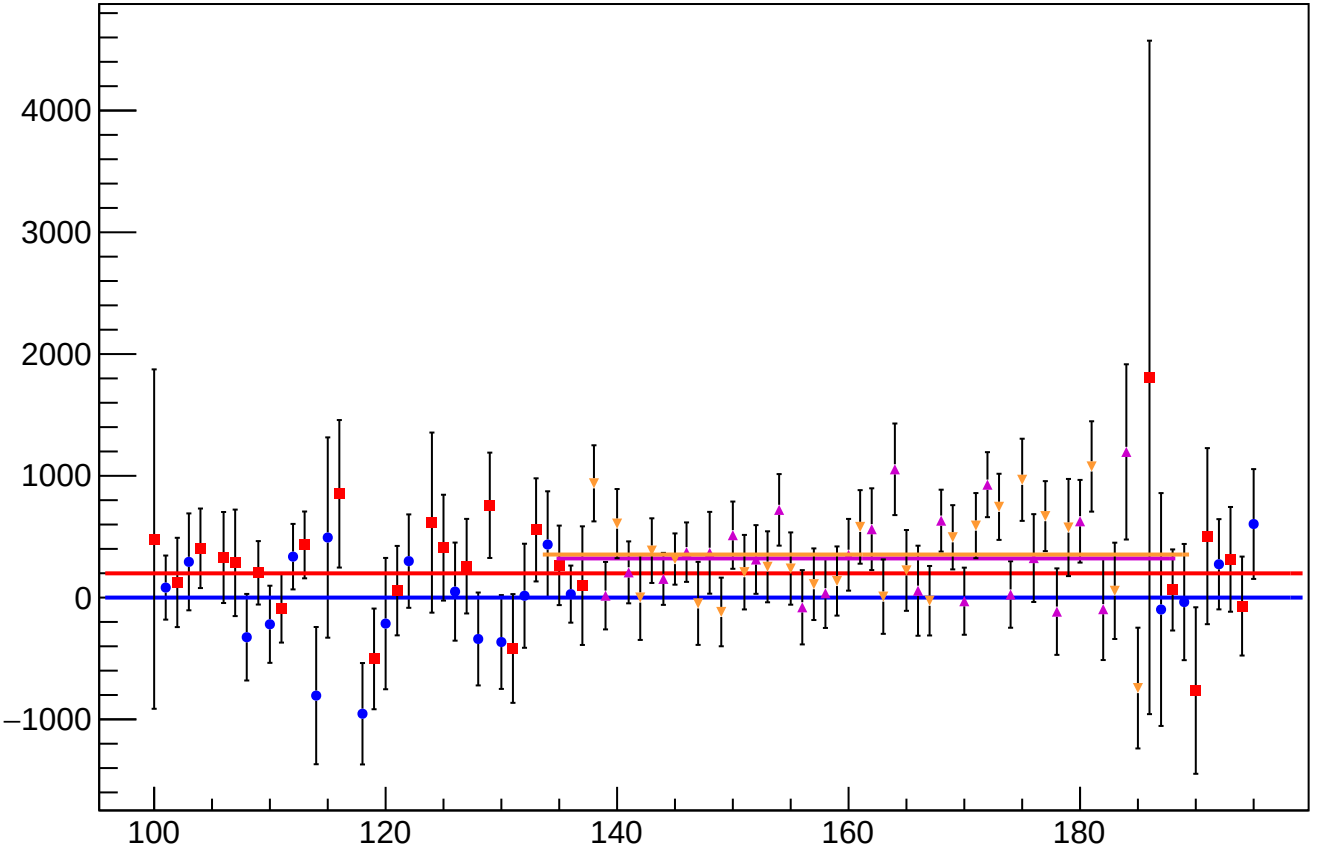
In: -0.000+/-0.000 χ^2/NDF:38.4/42

Out: 0.000+/-0.000 χ^2/NDF:39.7/49

All: 0.000+/-0.000 χ^2/NDF: 78.6/92


asym_sam3_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
Right In: 0.000+/-0.000 χ²/NDF: 5564601.9/19
Left Out: 0.000+/-0.000 χ²/NDF:4343727.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6193650.8/24
Left In: 0.000+/-0.000 χ²/NDF:2146041.0/22
Left: 0.000+/-0.000 χ²/NDF: 6595432.2/47
Right: 0.000+/-0.000 χ²/NDF: 11847990.8/44
In: 0.000+/-0.000 χ²/NDF:9505187.9/42
Out: 0.000+/-0.000 χ²/NDF:13490269.6/49
All: 0.000+/-0.000 χ²/NDF: 23104789.3/92

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 0.067+/-84.678 χ^2/NDF: 17.0/19

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 199.121+/-80.566 χ^2/NDF: 14.7/24

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

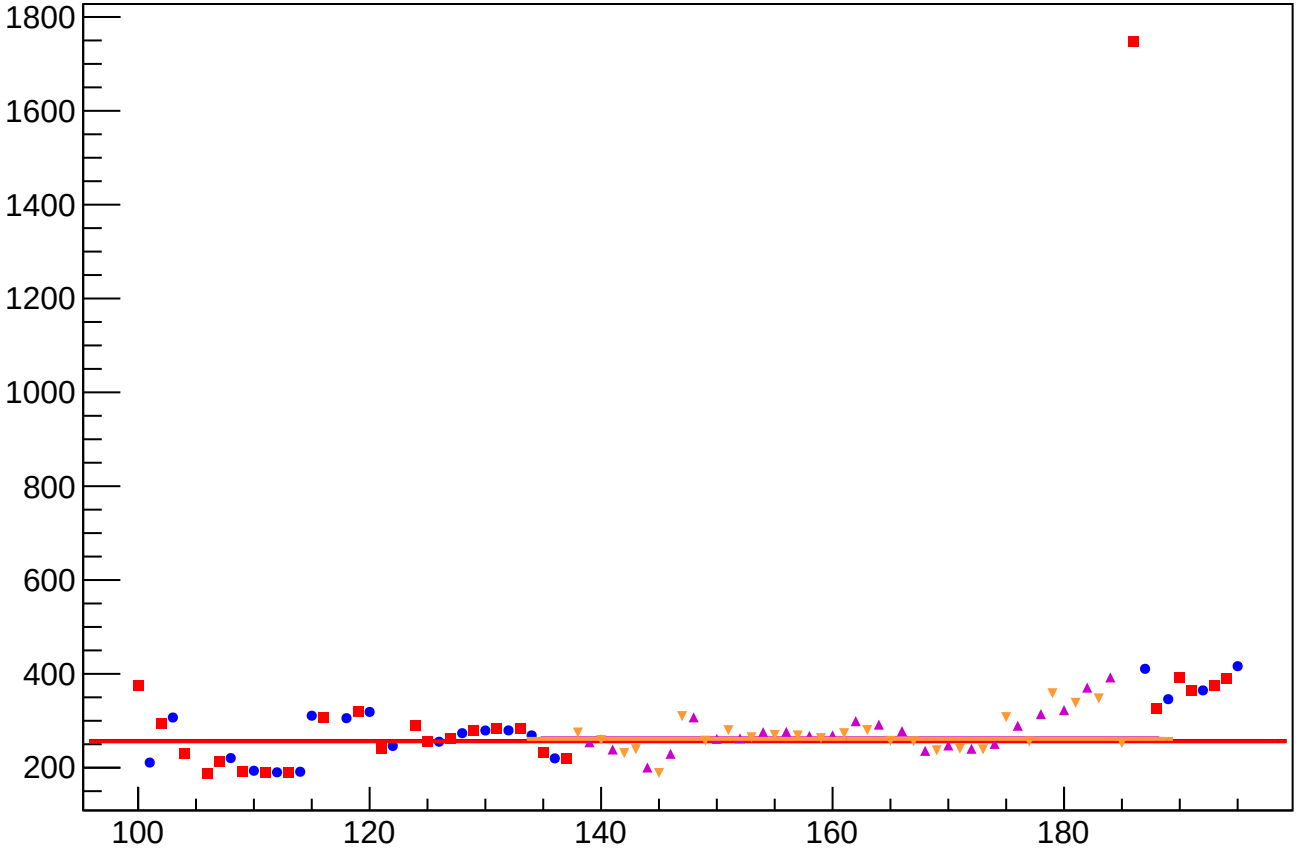
Right: 104.545+/-58.368 χ^2/NDF: 34.6/44

In: 209.060+/-50.084 χ^2/NDF:52.6/42

Out: 298.323+/-48.198 χ^2/NDF:49.4/49

All: 255.404+/-34.729 χ^2/NDF: 103.6/92

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 256.934+/-0.060 χ^2/NDF: 1016411.4/19

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 256.266+/-0.057 χ^2/NDF: 1761691.6/24

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

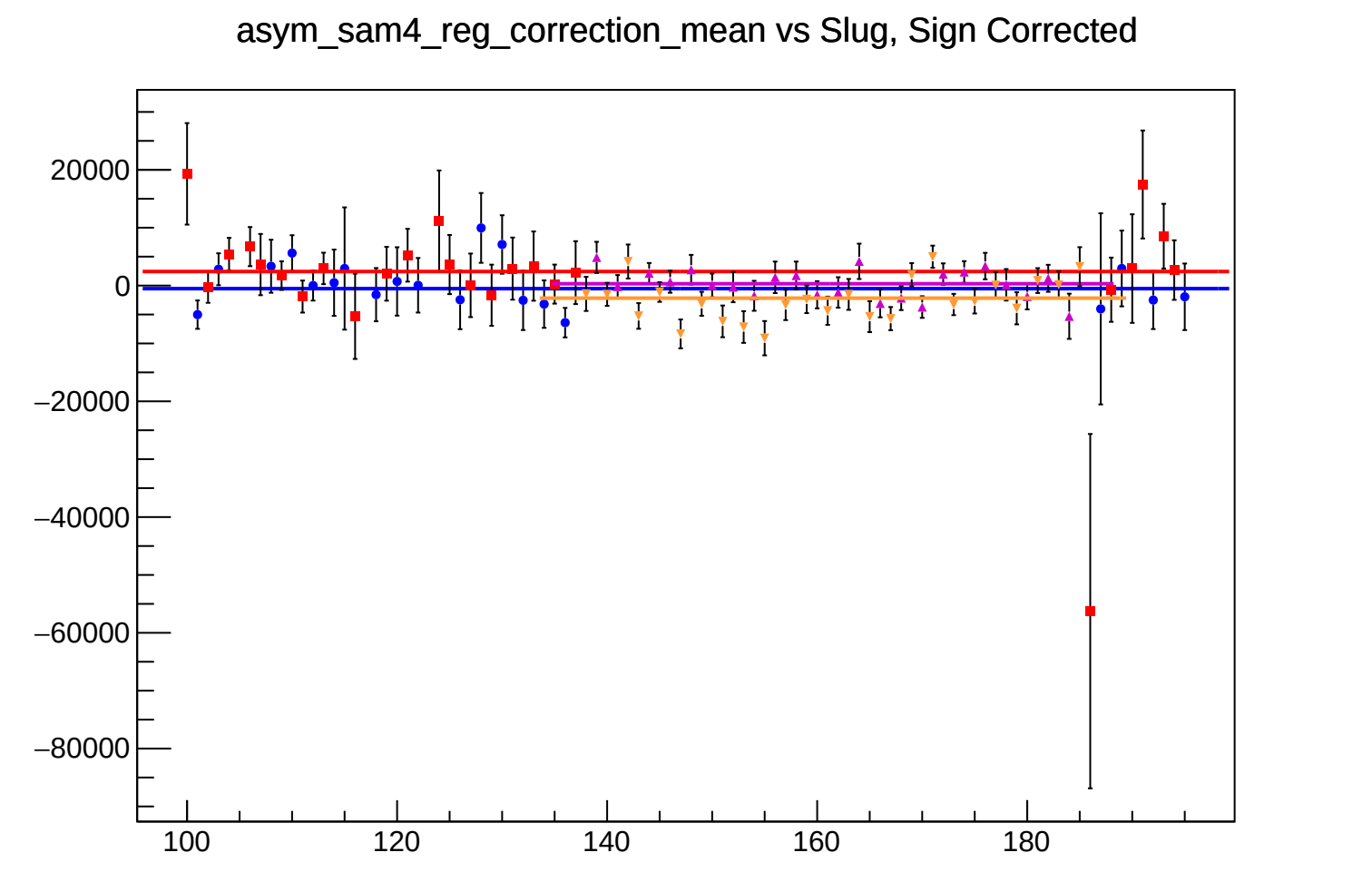
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 256.583+/-0.041 χ^2/NDF: 2778168.2/44

In: 260.628+/-0.035 χ^2/NDF:1692913.6/42

Out: 259.607+/-0.034 χ^2/NDF:2482516.2/49

All: 260.098+/-0.025 χ^2/NDF: 4175861.2/92



Right In: -533.226+/-908.682 χ^2/NDF: 21.7/19

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2426.509+/-852.218 χ^2/NDF: 21.7/24

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

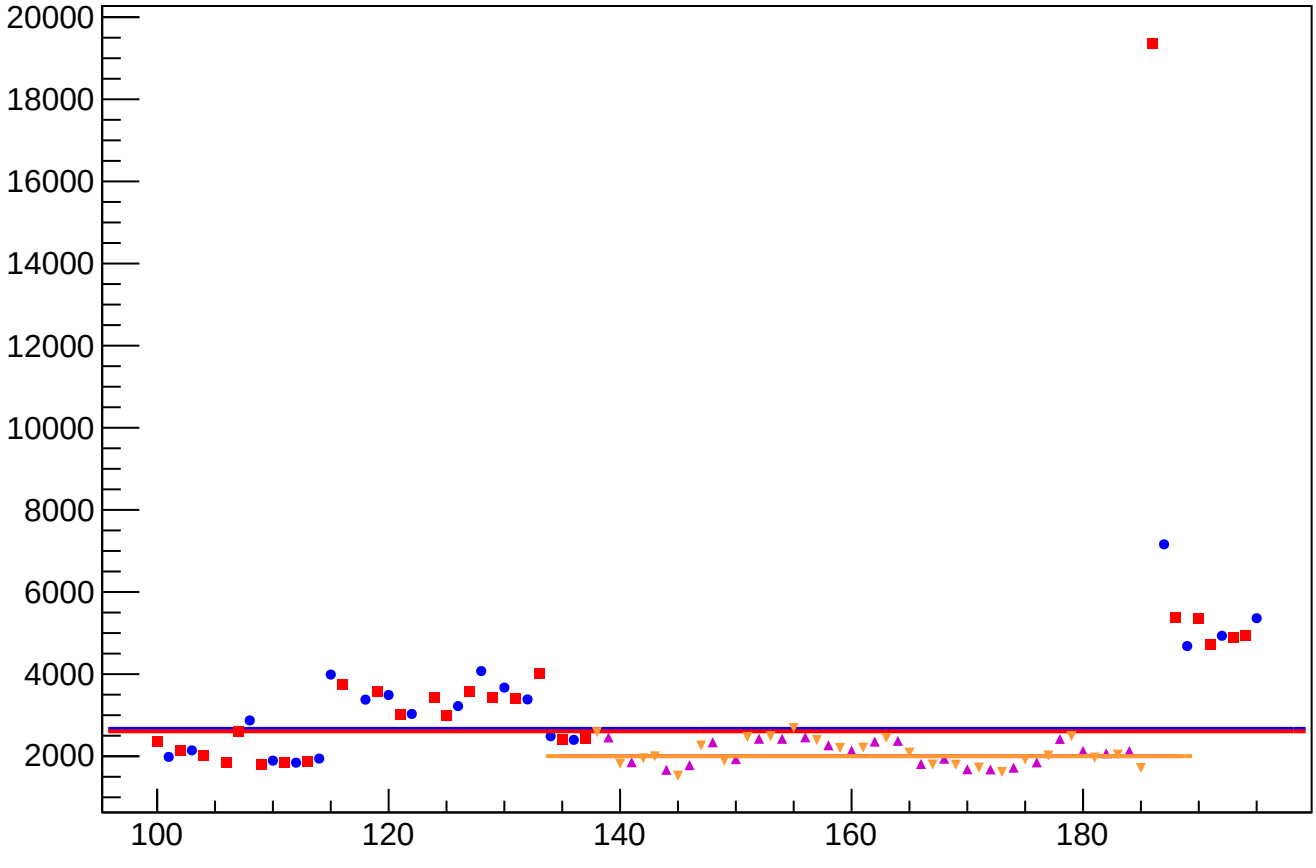
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 1041.450+/-621.612 χ^2/NDF: 49.0/44

In: 132.521+/-420.319 χ^2/NDF:46.0/42

Out: -1128.617+/-405.918 χ^2/NDF:99.7/49

All: -520.022+/-291.986 χ^2/NDF: 150.4/92



Right In: 2666.460+/-0.643 χ^2/NDF: 2181286.8/19

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2608.119+/-0.603 χ^2/NDF: 3339749.5/24

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

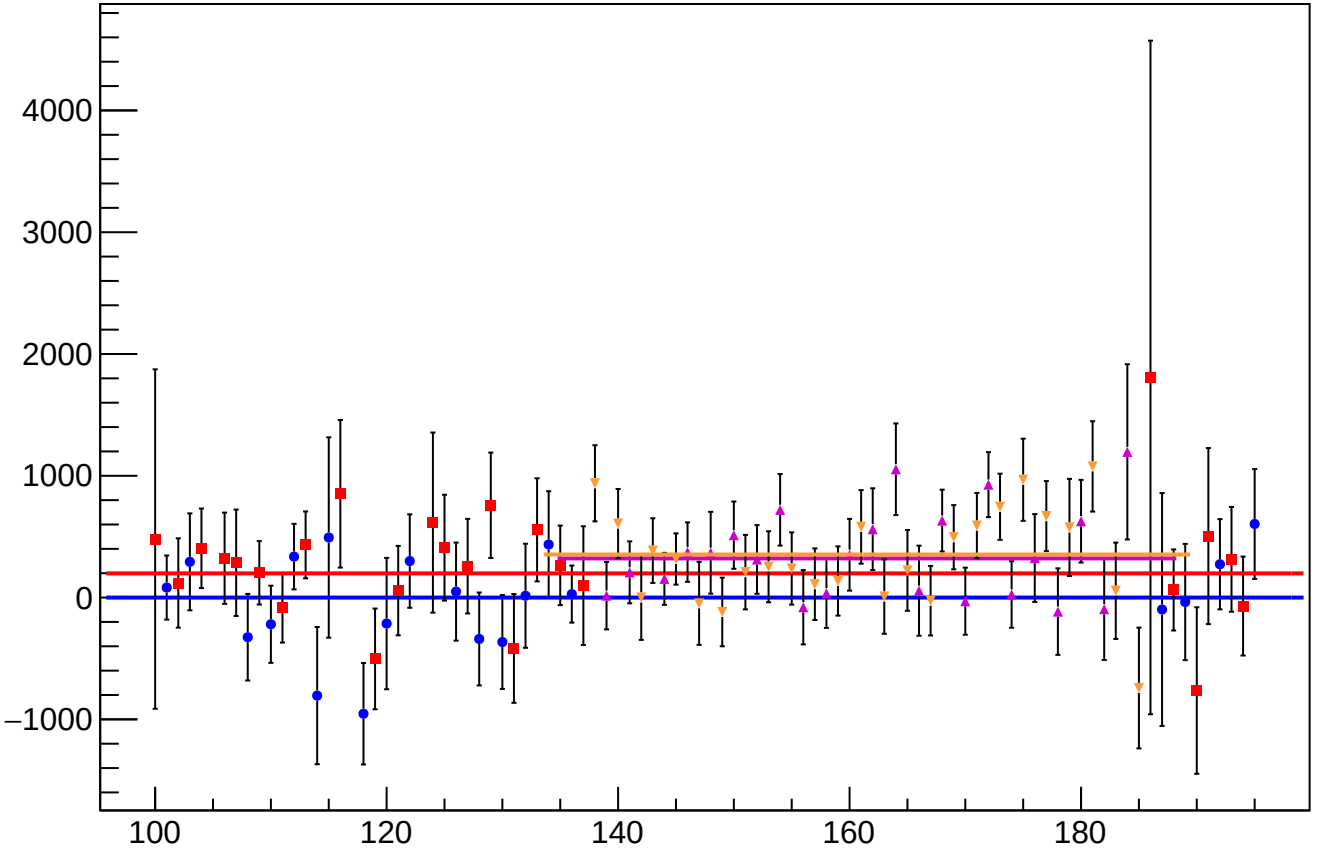
Right: 2635.420+/-0.440 χ^2/NDF: 5525422.6/44

In: 2145.932+/-0.297 χ^2/NDF:3721135.8/42

Out: 2139.687+/-0.287 χ^2/NDF:5014028.8/49

All: 2142.701+/-0.206 χ^2/NDF: 8735393.1/92

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 0.052+/-84.678 χ^2/NDF: 17.0/19

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 198.565+/-80.576 χ^2/NDF: 14.7/24

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

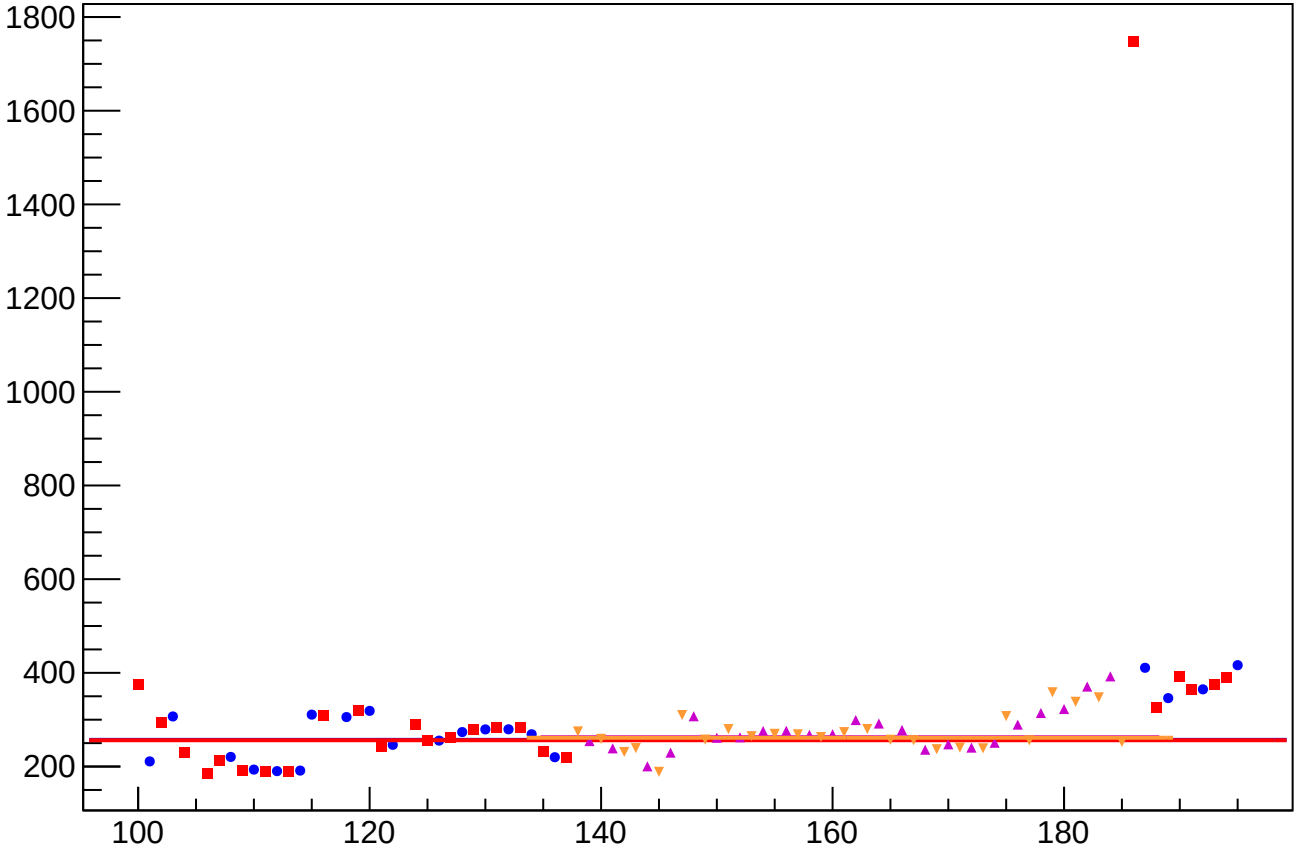
Right: 104.233+/-58.372 χ^2/NDF: 34.6/44

In: 209.058+/-50.084 χ^2/NDF:52.6/42

Out: 298.149+/-48.200 χ^2/NDF:49.4/49

All: 255.310+/-34.730 χ^2/NDF: 103.6/92

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 256.934+/-0.060 χ^2/NDF: 1016413.3/19

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 256.170+/-0.057 χ^2/NDF: 1766527.2/24

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

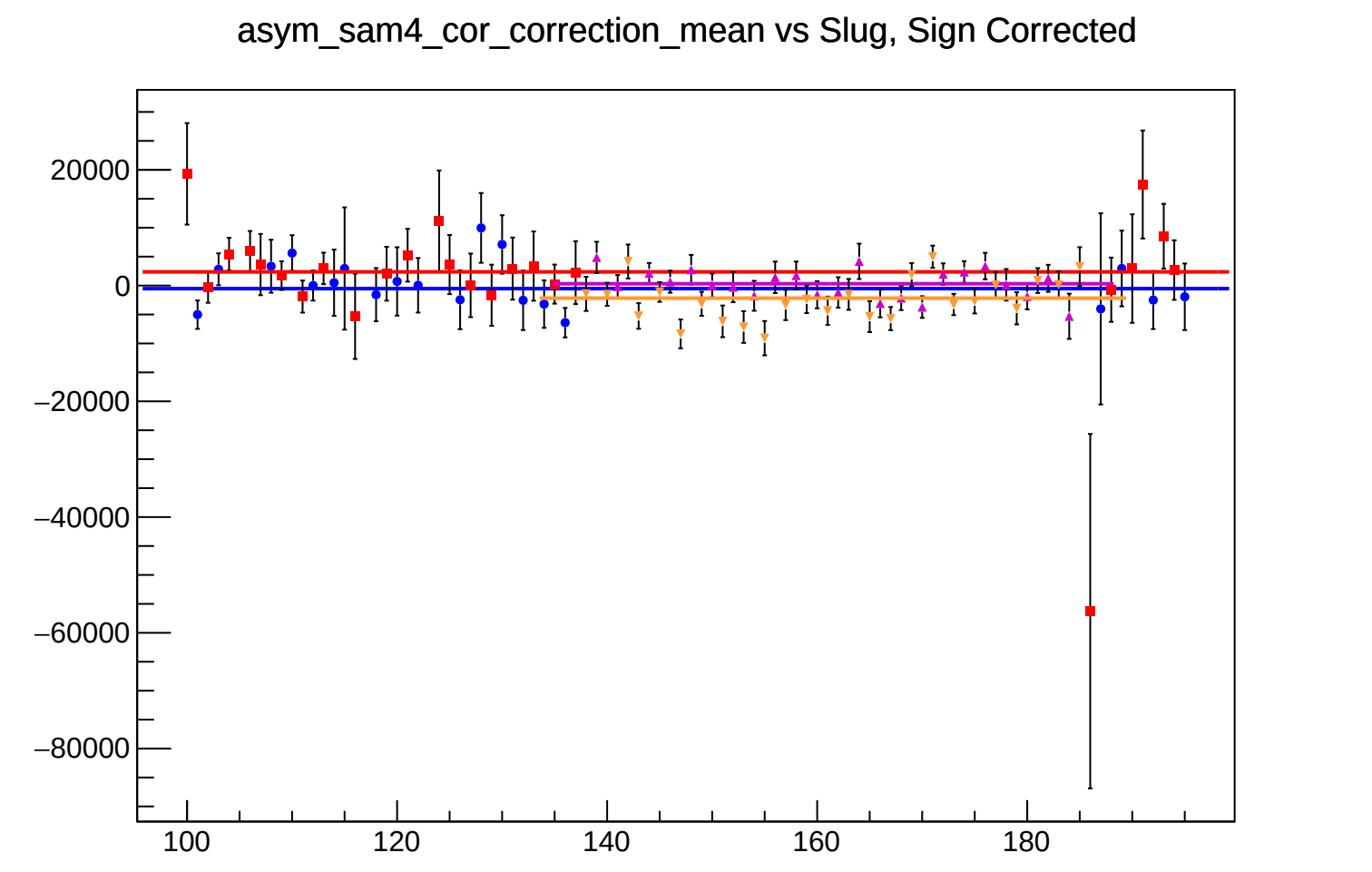
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 256.533+/-0.041 χ^2/NDF: 2783026.0/44

In: 260.628+/-0.035 χ^2/NDF:1692915.4/42

Out: 259.573+/-0.034 χ^2/NDF:2487551.7/49

All: 260.081+/-0.025 χ^2/NDF: 4180927.9/92



Right In: -533.382+/-908.689 χ^2/NDF: 21.7/19

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2366.209+/-853.682 χ^2/NDF: 21.1/24

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

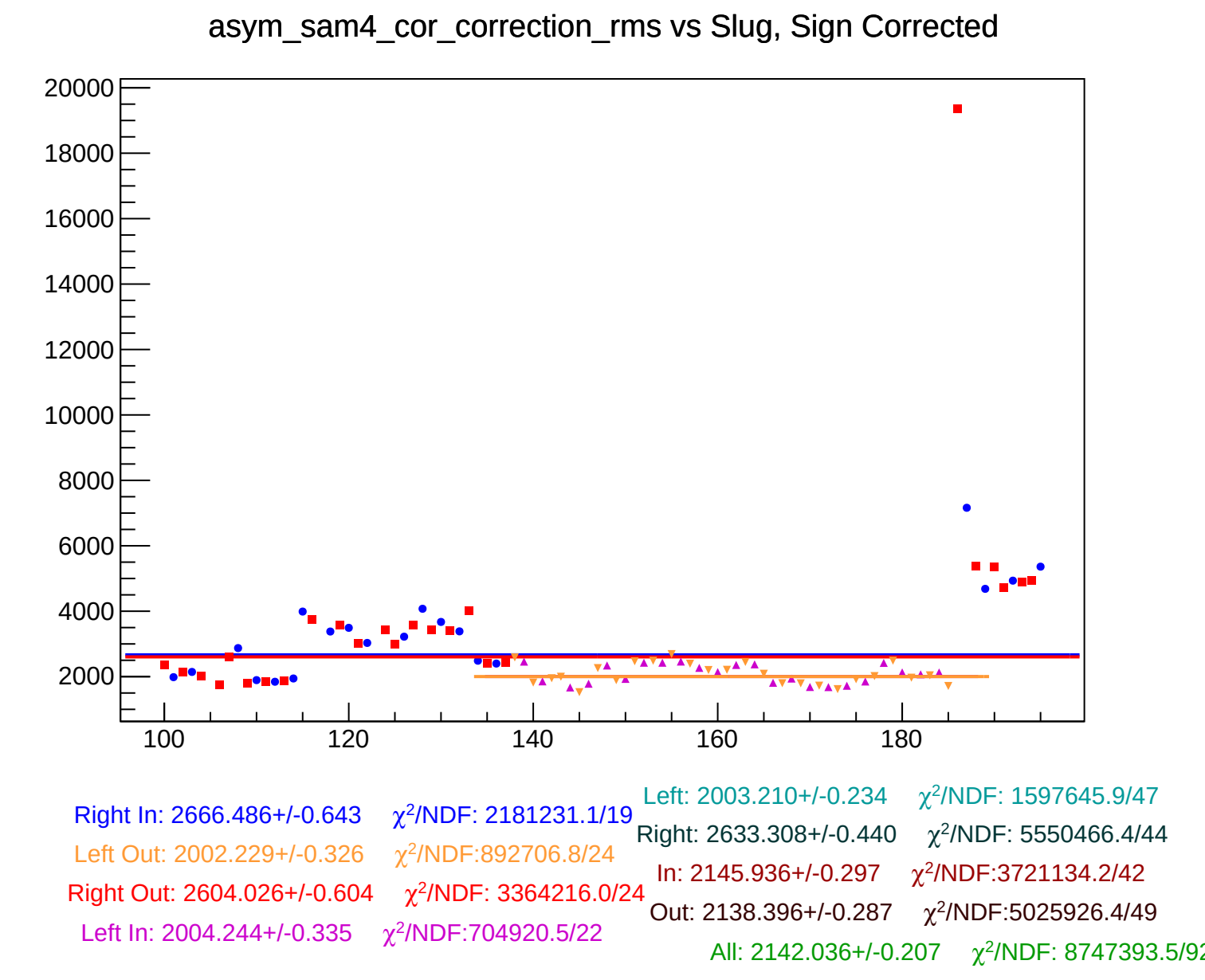
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 1006.829+/-622.182 χ^2/NDF: 48.2/44

In: 132.495+/-420.320 χ^2/NDF:46.0/42

Out: -1145.004+/-406.076 χ^2/NDF:98.5/49

All: -528.268+/-292.045 χ^2/NDF: 149.3/92


asym_sam4_cor_correction_rms vs Slug, Sign Corrected
20000
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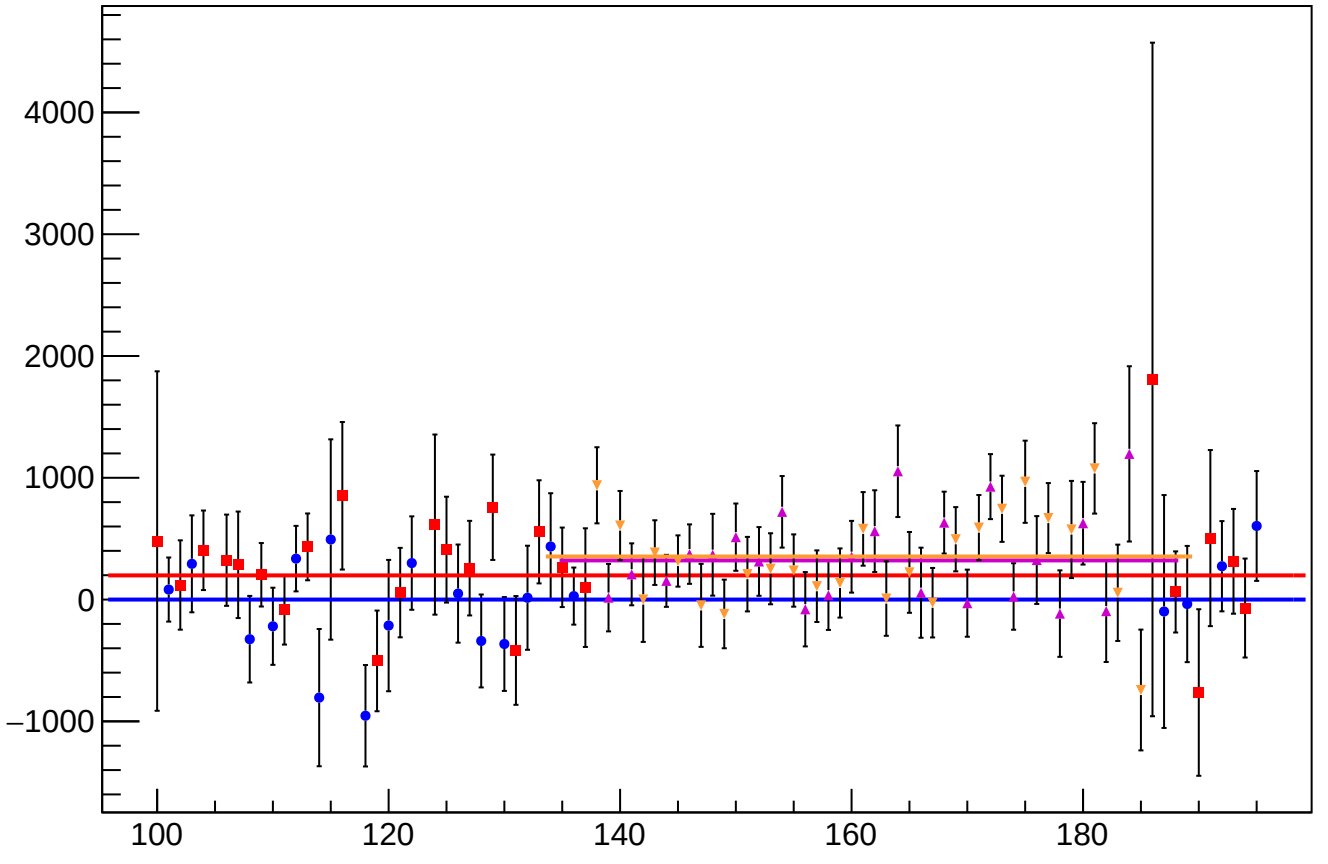
Right In: 2666.486+/-0.643 χ²/NDF: 2181231.1/19
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2604.026+/-0.604 χ²/NDF: 3364216.0/24
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2633.308+/-0.440 χ²/NDF: 5550466.4/44
In: 2145.936+/-0.297 χ²/NDF:3721134.2/42
Out: 2138.396+/-0.287 χ²/NDF:5025926.4/49
All: 2142.036+/-0.207 χ²/NDF: 8747393.5/92



Right In: 0.052+/-84.678 χ^2/NDF: 17.0/19

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 198.565+/-80.576 χ^2/NDF: 14.7/24

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

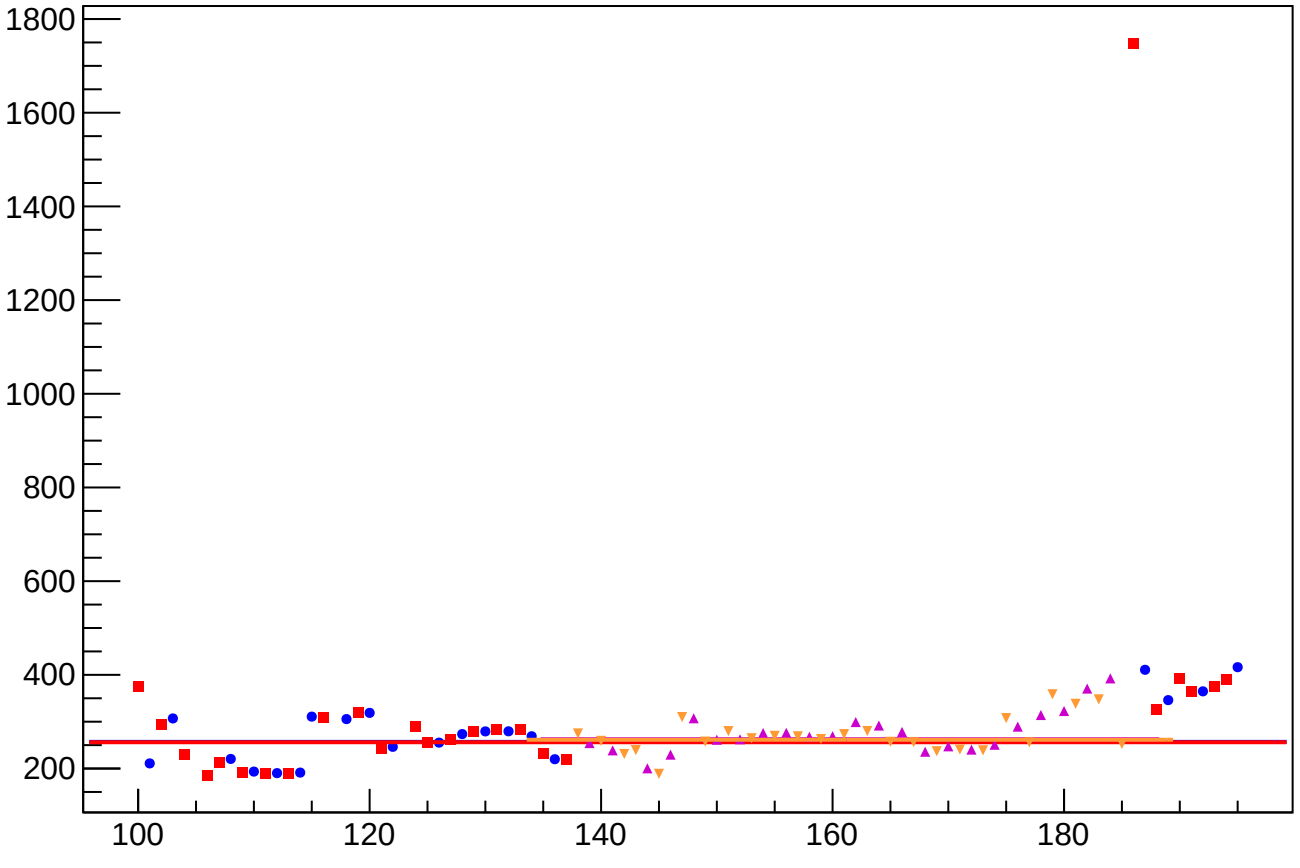
Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

Right: 104.233+/-58.372 χ^2/NDF: 34.6/44

In: 209.058+/-50.084 χ^2/NDF:52.6/42

Out: 298.149+/-48.200 χ^2/NDF:49.4/49

All: 255.310+/-34.730 χ^2/NDF: 103.6/92



Right In: 256.934+/-0.060 χ^2/NDF: 1016413.3/19

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 256.170+/-0.057 χ^2/NDF: 1766527.2/24

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

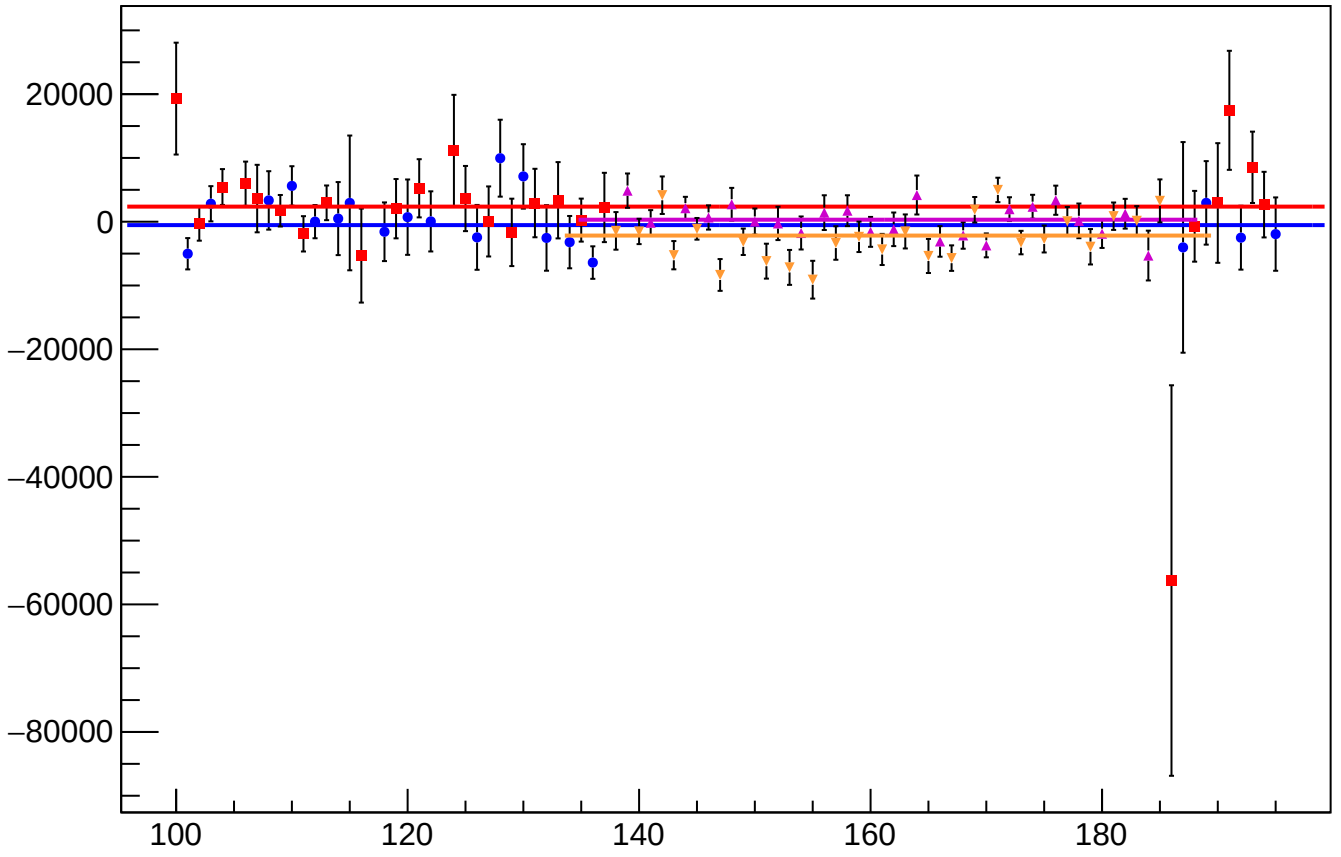
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 256.533+/-0.041 χ^2/NDF: 2783026.0/44

In: 260.628+/-0.035 χ^2/NDF:1692915.4/42

Out: 259.573+/-0.034 χ^2/NDF:2487551.7/49

All: 260.081+/-0.025 χ^2/NDF: 4180927.9/92



Right In: -533.382+/-908.689 χ^2/NDF: 21.7/19

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2366.209+/-853.682 χ^2/NDF: 21.1/24

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

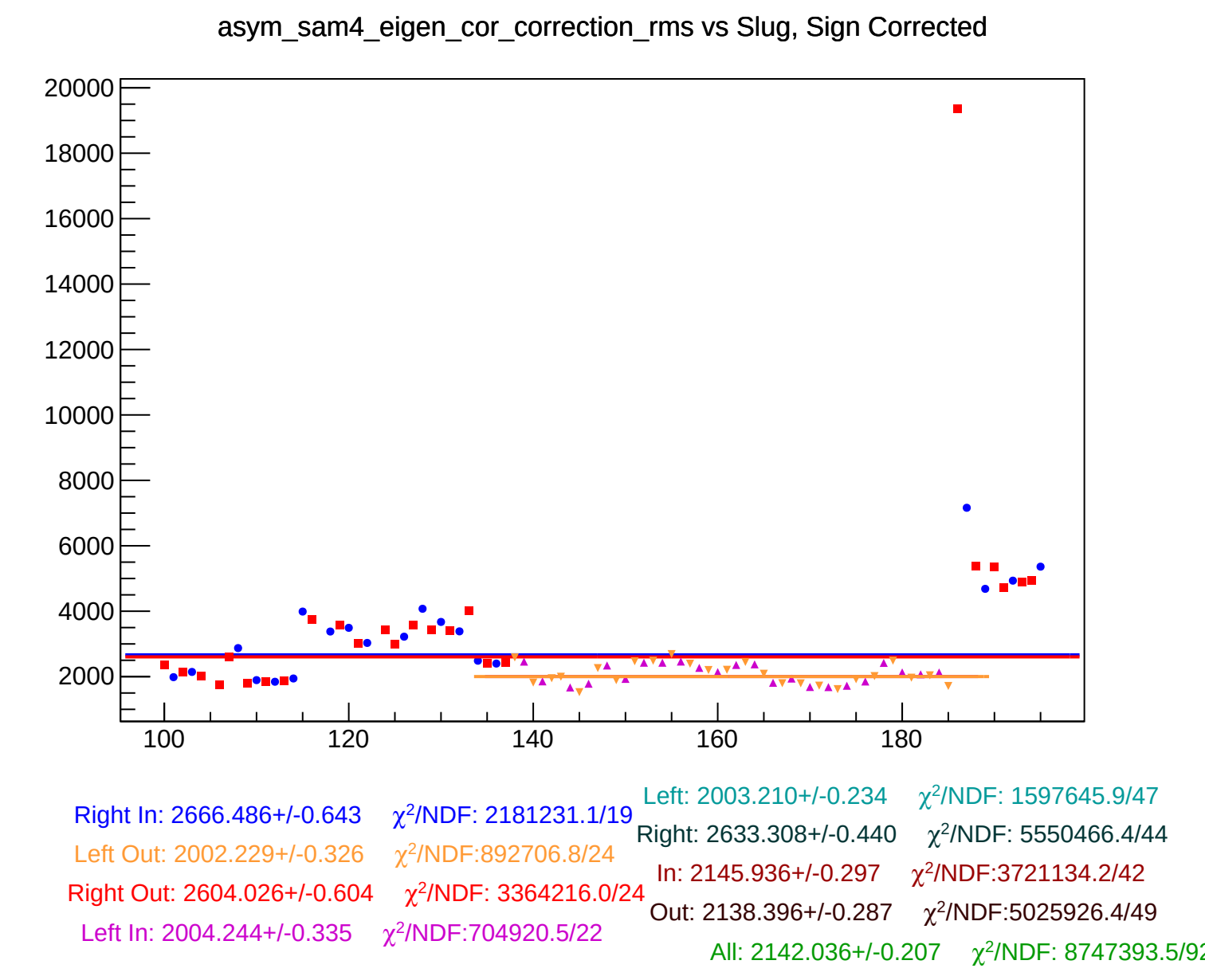
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 1006.829+/-622.182 χ^2/NDF: 48.2/44

In: 132.495+/-420.320 χ^2/NDF:46.0/42

Out: -1145.004+/-406.076 χ^2/NDF:98.5/49

All: -528.268+/-292.045 χ^2/NDF: 149.3/92


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
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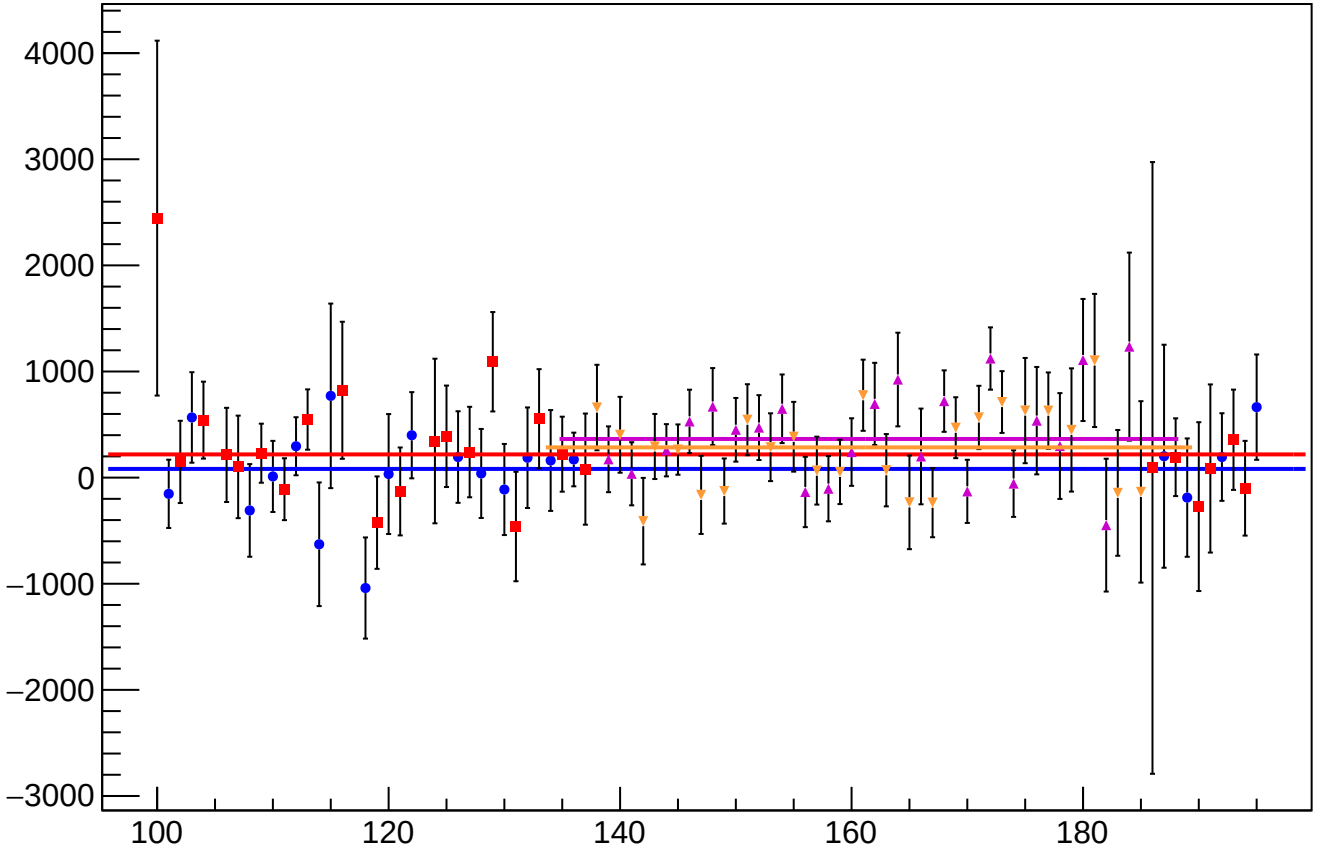
Right In: 2666.486+/-0.643 χ²/NDF: 2181231.1/19
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2604.026+/-0.604 χ²/NDF: 3364216.0/24
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2633.308+/-0.440 χ²/NDF: 5550466.4/44
In: 2145.936+/-0.297 χ²/NDF:3721134.2/42
Out: 2138.396+/-0.287 χ²/NDF:5025926.4/49
All: 2142.036+/-0.207 χ²/NDF: 8747393.5/92

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 81.974+/-93.005 χ^2/NDF: 13.7/19

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 218.772+/-87.402 χ^2/NDF: 16.0/24

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

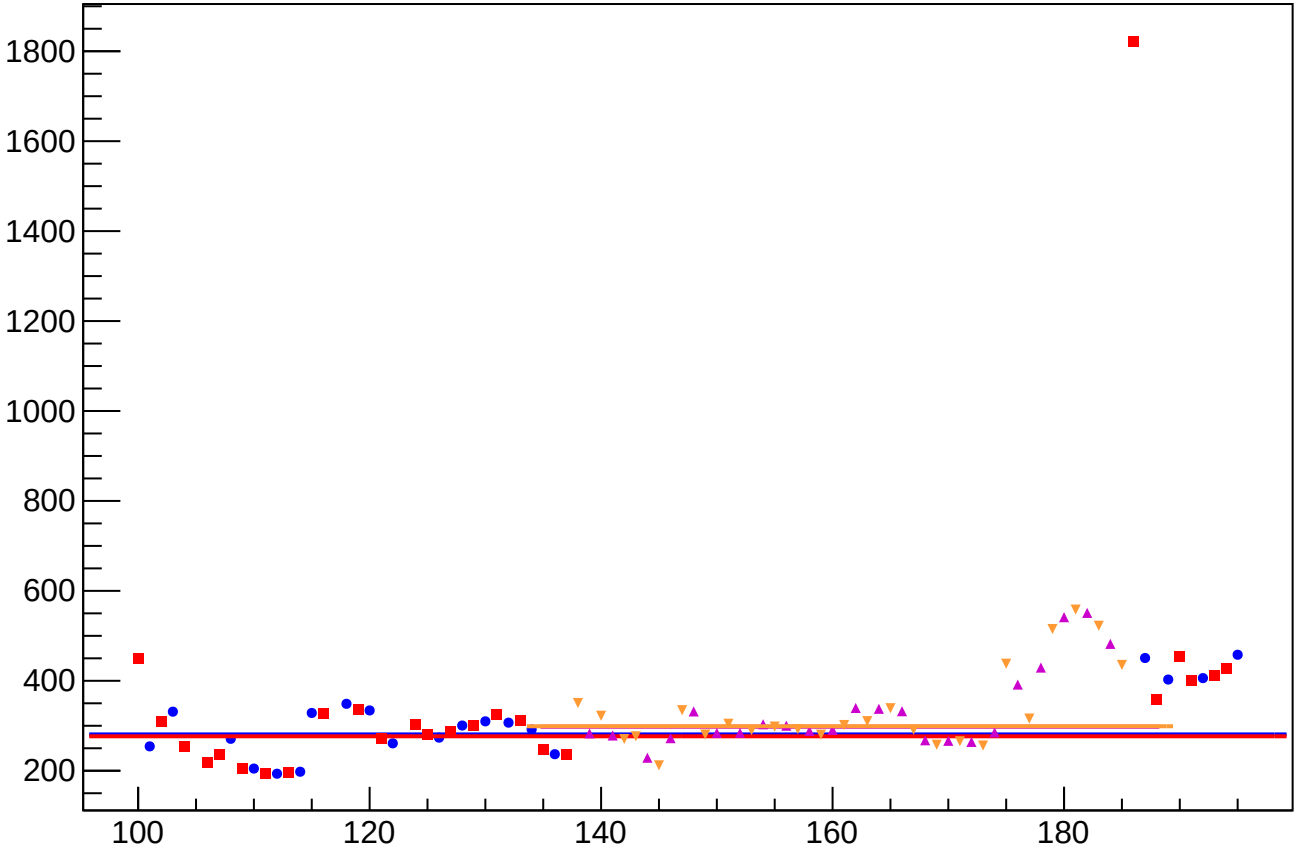
Right: 154.618+/-63.691 χ^2/NDF: 30.9/44

In: 258.945+/-56.791 χ^2/NDF:47.7/42

Out: 259.050+/-54.654 χ^2/NDF:39.2/49

All: 259.000+/-39.380 χ^2/NDF: 86.9/92

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 280.783+/-0.066 χ^2/NDF: 1128297.3/19

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 276.604+/-0.062 χ^2/NDF: 1877956.6/24

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

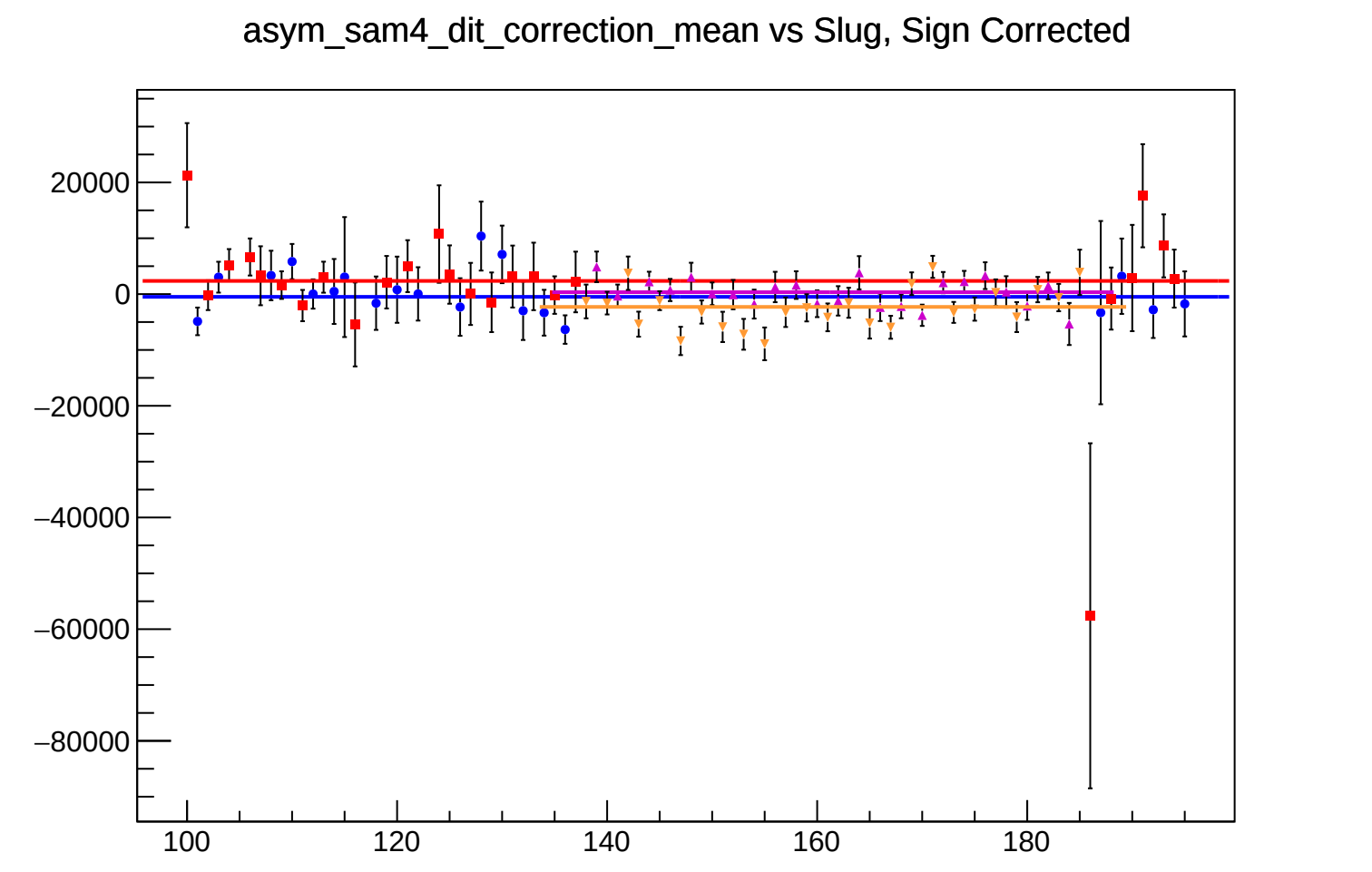
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 278.564+/-0.045 χ^2/NDF: 3008398.3/44

In: 291.508+/-0.040 χ^2/NDF:2489769.7/42

Out: 290.205+/-0.039 χ^2/NDF:3570561.1/49

All: 290.832+/-0.028 χ^2/NDF: 6060877.9/92



Right In: -488.689+/-916.562 χ^2/NDF: 21.8/19

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2360.762+/-858.684 χ^2/NDF: 22.1/24

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

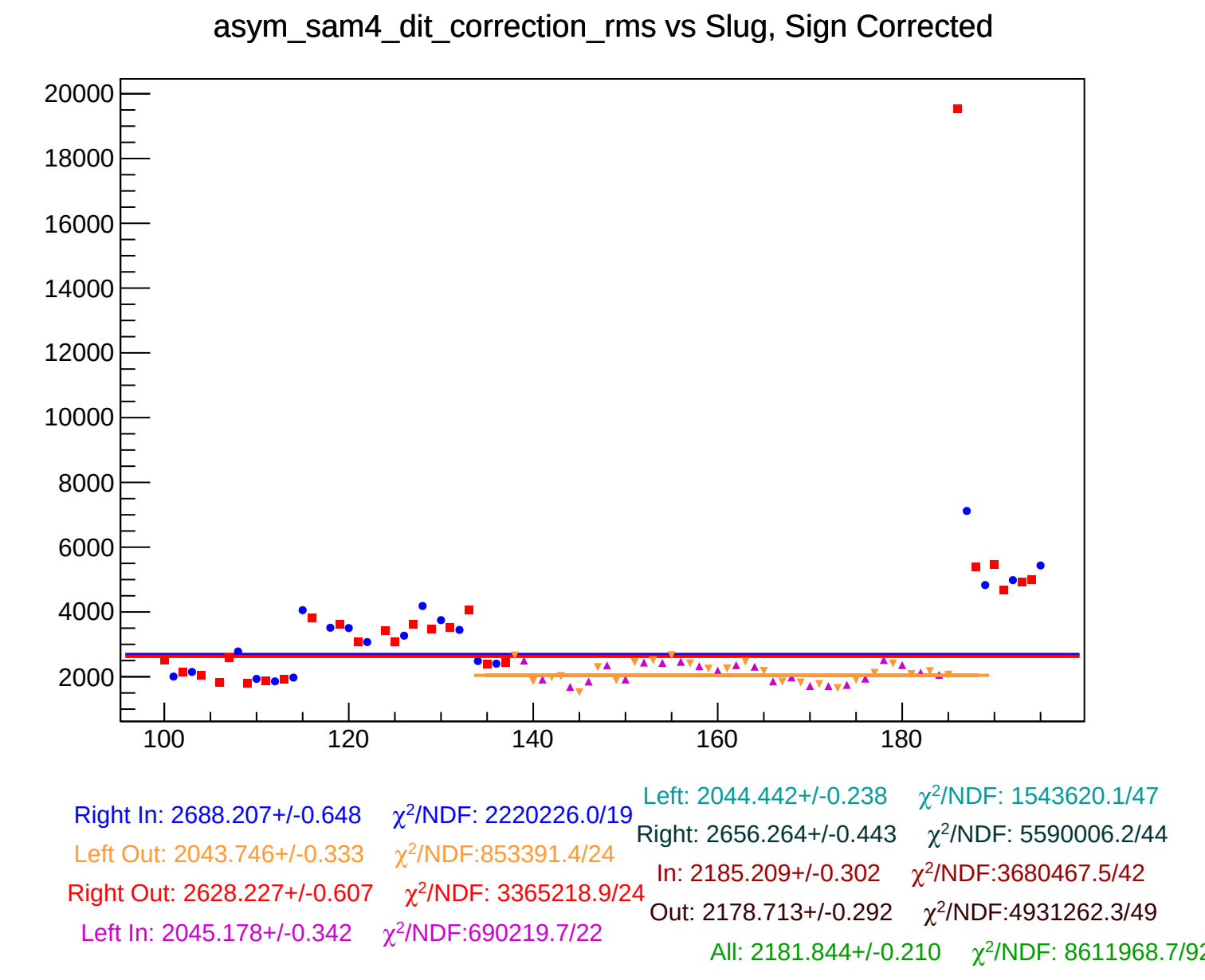
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 1028.839+/-626.644 χ^2/NDF: 49.0/44

In: 161.579+/-427.719 χ^2/NDF:45.3/42

Out: -1216.818+/-412.631 χ^2/NDF:96.4/49

All: -552.359+/-296.965 χ^2/NDF: 147.0/92


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
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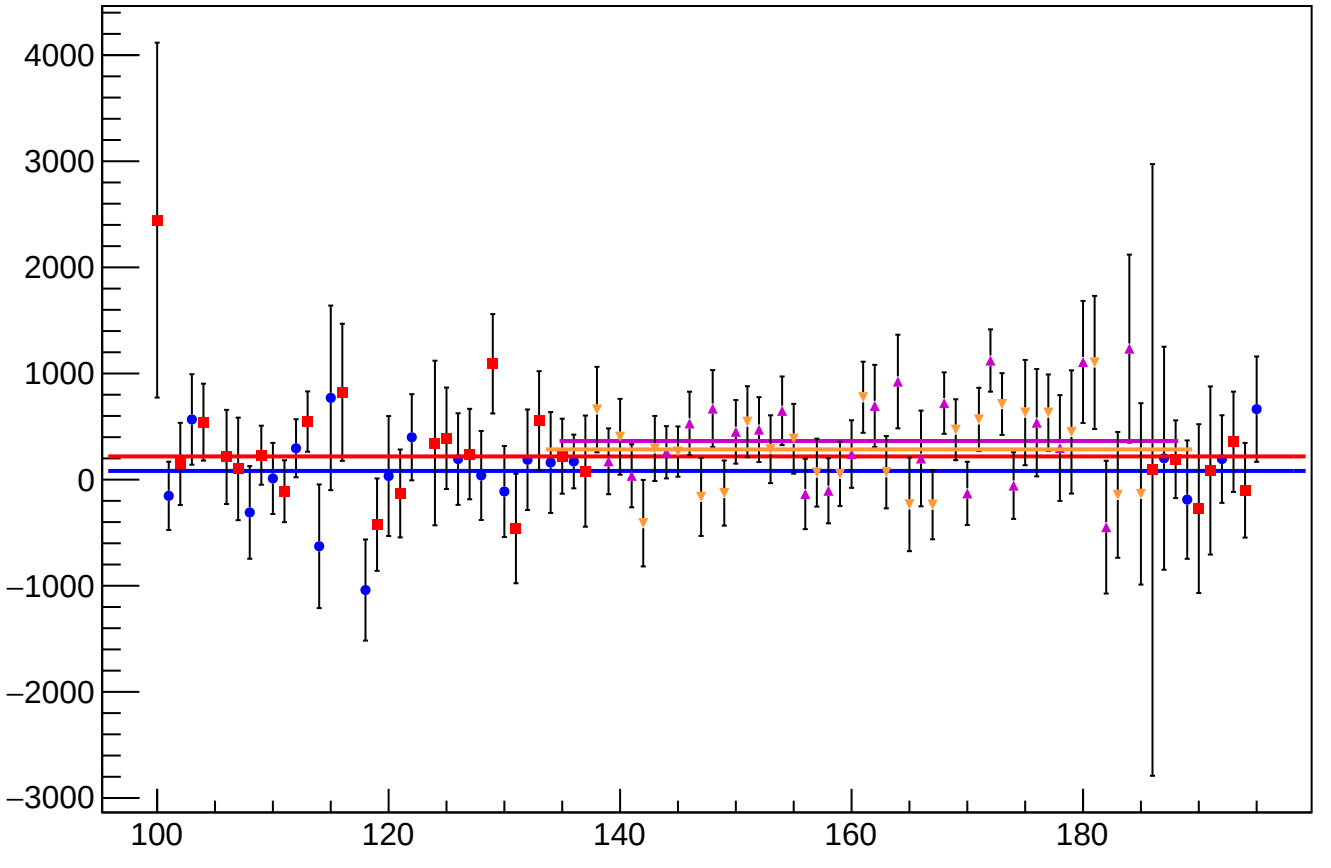
140
160
180
Right In: 2688.207+/-0.648 χ²/NDF: 2220226.0/19
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2628.227+/-0.607 χ²/NDF: 3365218.9/24
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2656.264+/-0.443 χ²/NDF: 5590006.2/44
In: 2185.209+/-0.302 χ²/NDF:3680467.5/42
Out: 2178.713+/-0.292 χ²/NDF:4931262.3/49
All: 2181.844+/-0.210 χ²/NDF: 8611968.7/92



Right In: 81.978+/-93.005 χ^2/NDF: 13.7/19

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 218.771+/-87.402 χ^2/NDF: 16.0/24

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

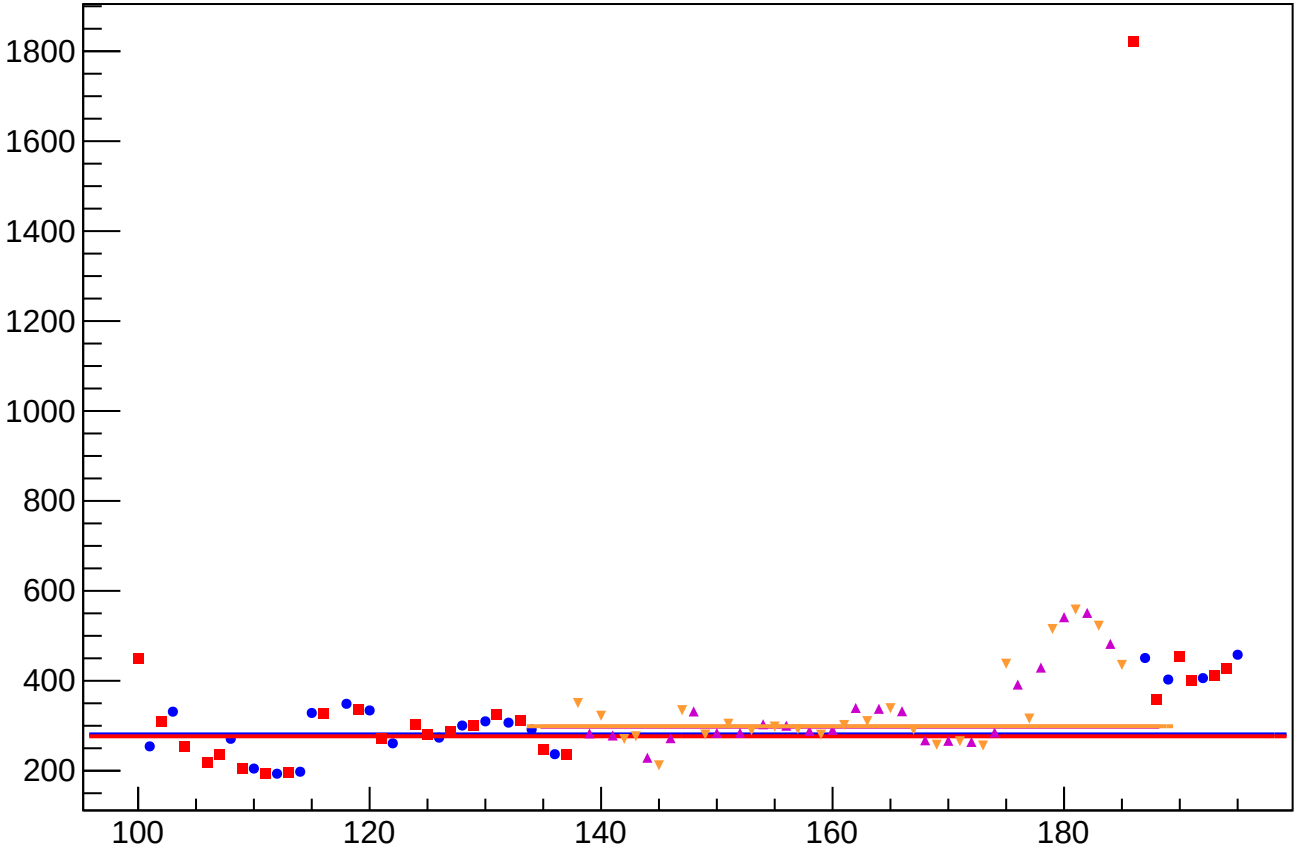
Right: 154.619+/-63.691 χ^2/NDF: 30.9/44

In: 258.947+/-56.791 χ^2/NDF:47.7/42

Out: 259.053+/-54.654 χ^2/NDF:39.2/49

All: 259.002+/-39.380 χ^2/NDF: 86.9/92

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 280.783+/-0.066 χ^2/NDF: 1128293.6/19

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 276.604+/-0.062 χ^2/NDF: 1877958.4/24

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

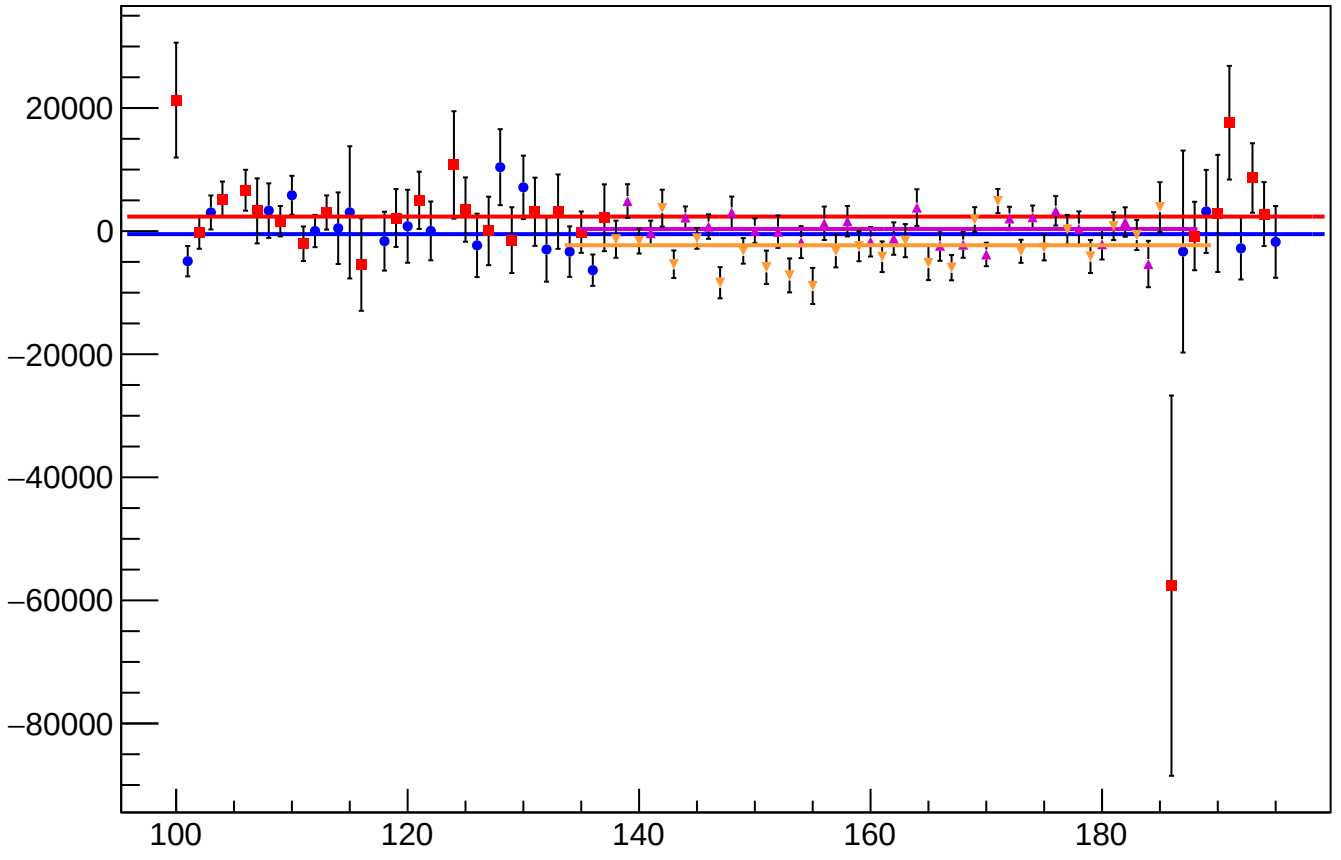
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 278.564+/-0.045 χ^2/NDF: 3008396.4/44

In: 291.509+/-0.040 χ^2/NDF:2489748.9/42

Out: 290.205+/-0.039 χ^2/NDF:3570562.2/49

All: 290.832+/-0.028 χ^2/NDF: 6060858.2/92



Right In: -488.688+/-916.562 χ^2/NDF: 21.8/19

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2360.760+/-858.683 χ^2/NDF: 22.1/24

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

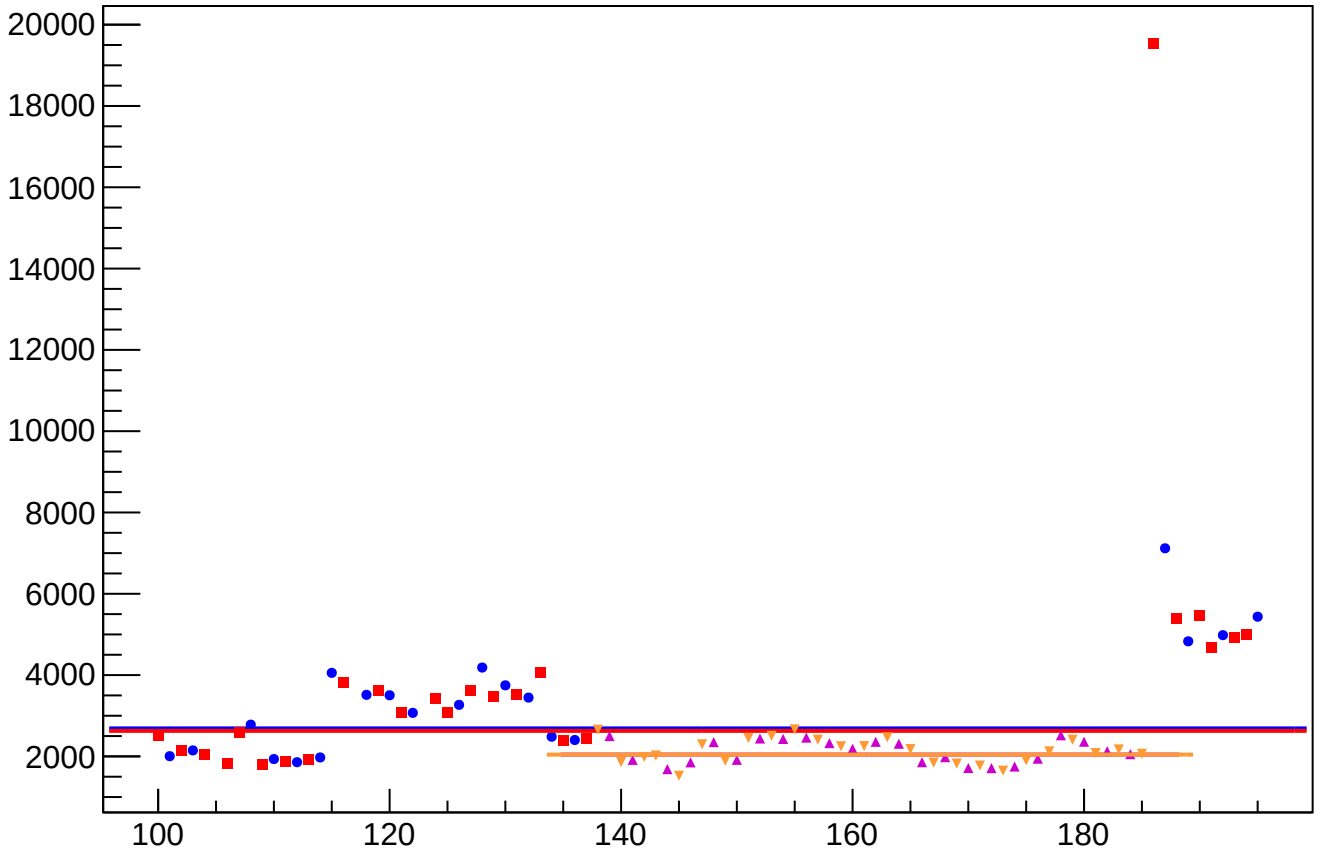
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 1028.839+/-626.644 χ^2/NDF: 49.0/44

In: 161.578+/-427.719 χ^2/NDF:45.3/42

Out: -1216.815+/-412.631 χ^2/NDF:96.4/49

All: -552.359+/-296.965 χ^2/NDF: 147.0/92


asym_sam4_eigen_dit_correction_rms vs Slug, Sign Corrected
20000
18000
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120
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160
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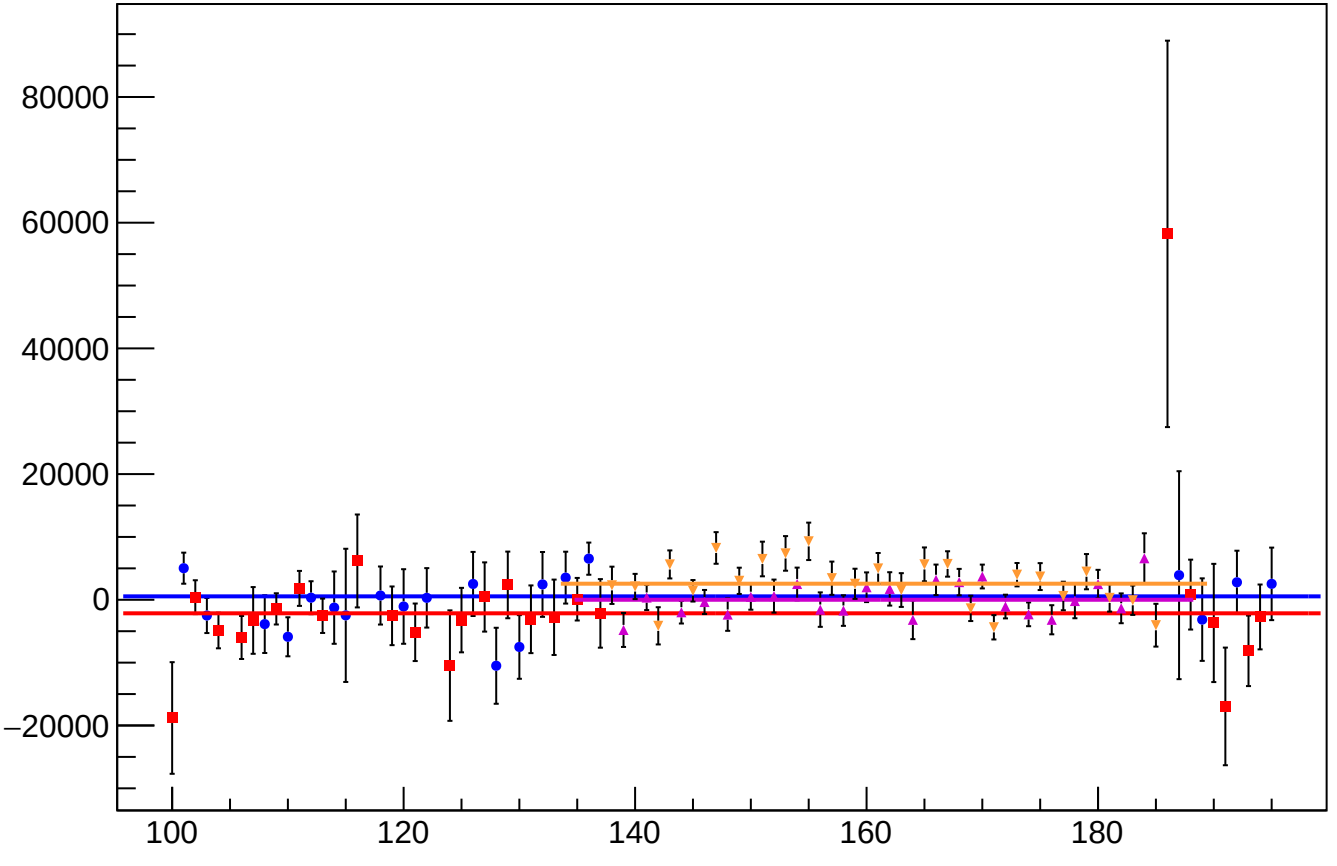
Right In: 2688.206+/-0.648 χ²/NDF: 2220227.4/19
Left Out: 2043.742+/-0.333 χ²/NDF:853393.7/24
Right Out: 2628.225+/-0.607 χ²/NDF: 3365216.2/24
Left In: 2045.175+/-0.342 χ²/NDF:690218.2/22
Left: 2044.439+/-0.238 χ²/NDF: 1543620.9/47
Right: 2656.262+/-0.443 χ²/NDF: 5590005.0/44
In: 2185.206+/-0.302 χ²/NDF:3680471.3/42
Out: 2178.710+/-0.292 χ²/NDF:4931266.3/49
All: 2181.842+/-0.210 χ²/NDF: 8611976.6/92

asym_sam4_mean vs Slug, Sign Corrected



Right In: 545.371+/-913.565 χ^2/NDF: 22.8/19

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2151.894+/-857.226 χ^2/NDF: 20.7/24

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

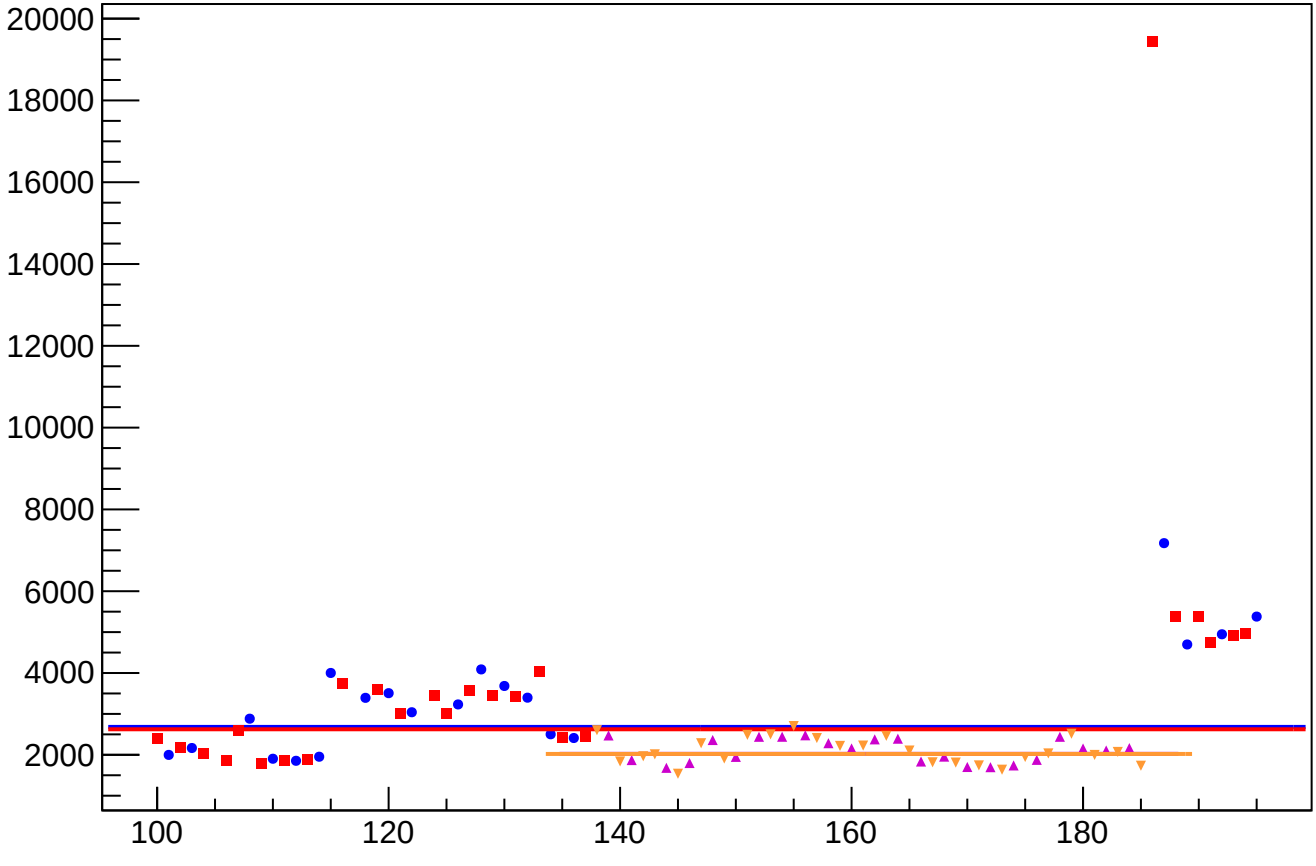
Right: -888.991+/-625.119 χ^2/NDF: 48.1/44

In: 120.138+/-423.886 χ^2/NDF:47.7/42

Out: 1484.648+/-409.378 χ^2/NDF:96.7/49

All: 826.144+/-294.469 χ^2/NDF: 149.8/92

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2682.066+/-0.646 χ^2/NDF: 2165712.2/19

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2624.319+/-0.606 χ^2/NDF: 3319599.3/24

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

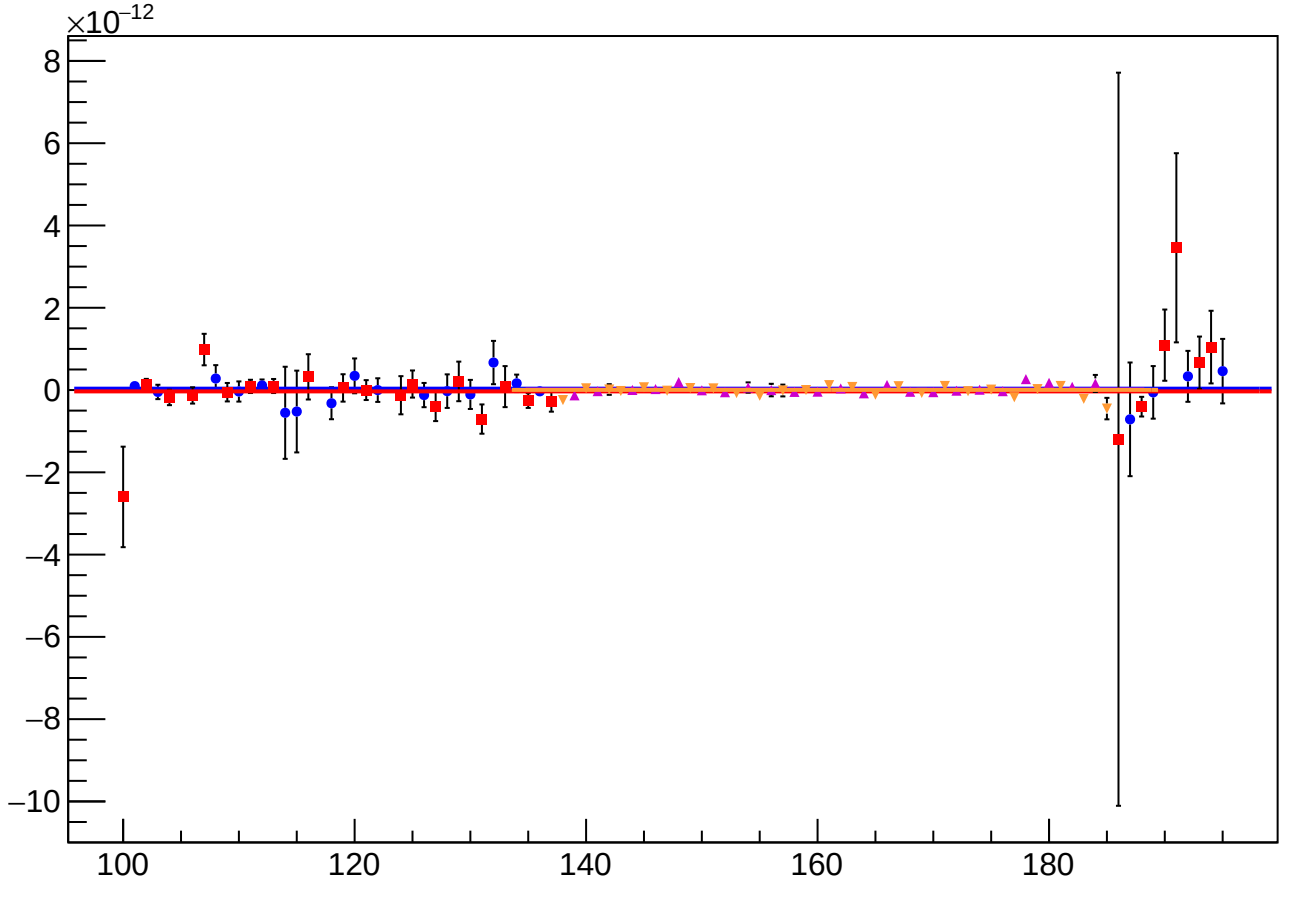
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2651.357+/-0.442 χ^2/NDF: 5489561.1/44

In: 2165.112+/-0.300 χ^2/NDF:3677872.4/42

Out: 2158.801+/-0.289 χ^2/NDF:4965038.3/49

All: 2161.847+/-0.208 χ^2/NDF: 8643140.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 7.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/24

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

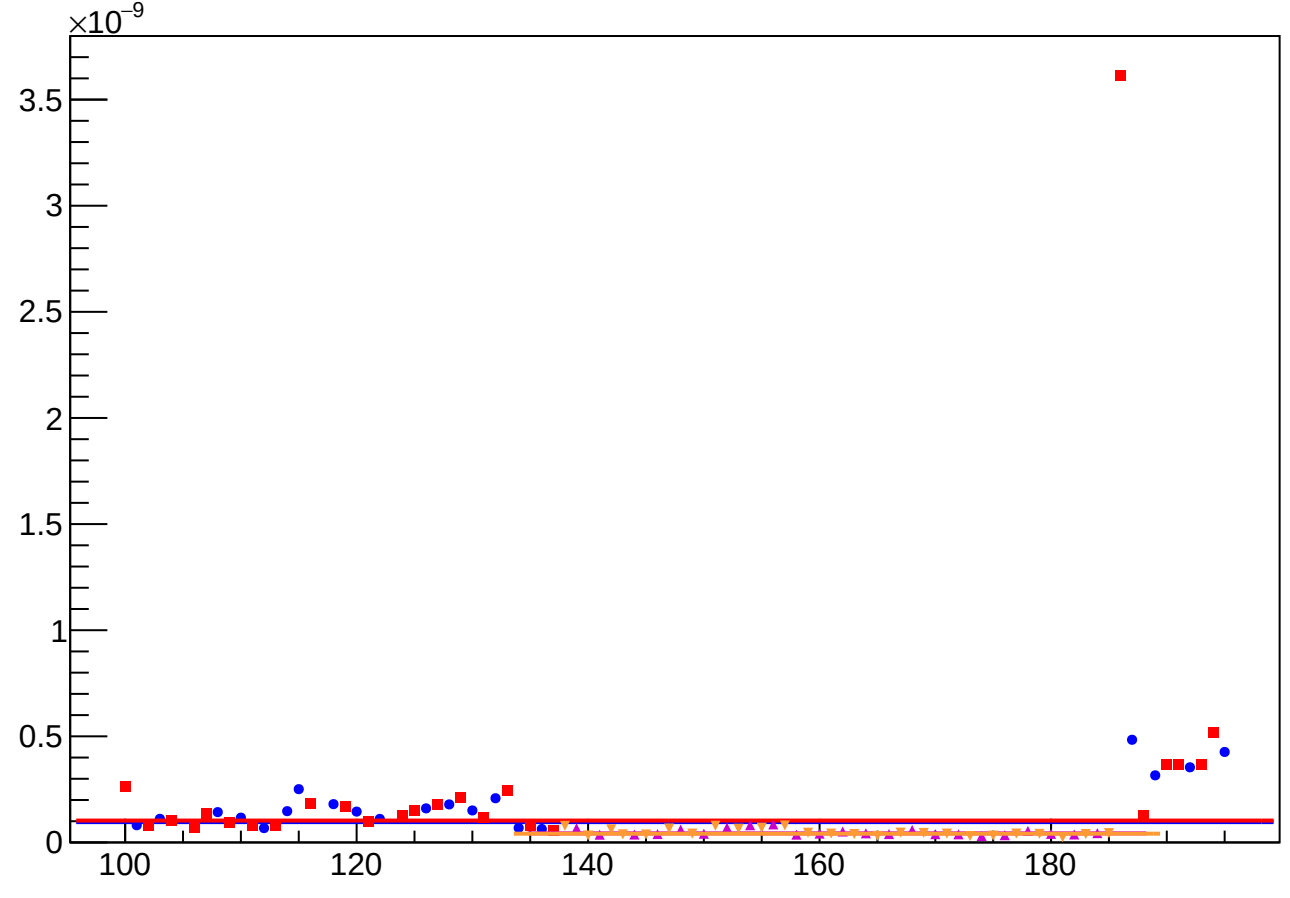
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 40.0/44

In: 0.000+/-0.000 χ^2/NDF:28.0/42

Out: 0.000+/-0.000 χ^2/NDF:64.8/49

All: 0.000+/-0.000 χ^2/NDF: 93.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 2046872.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2195083.6/24

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

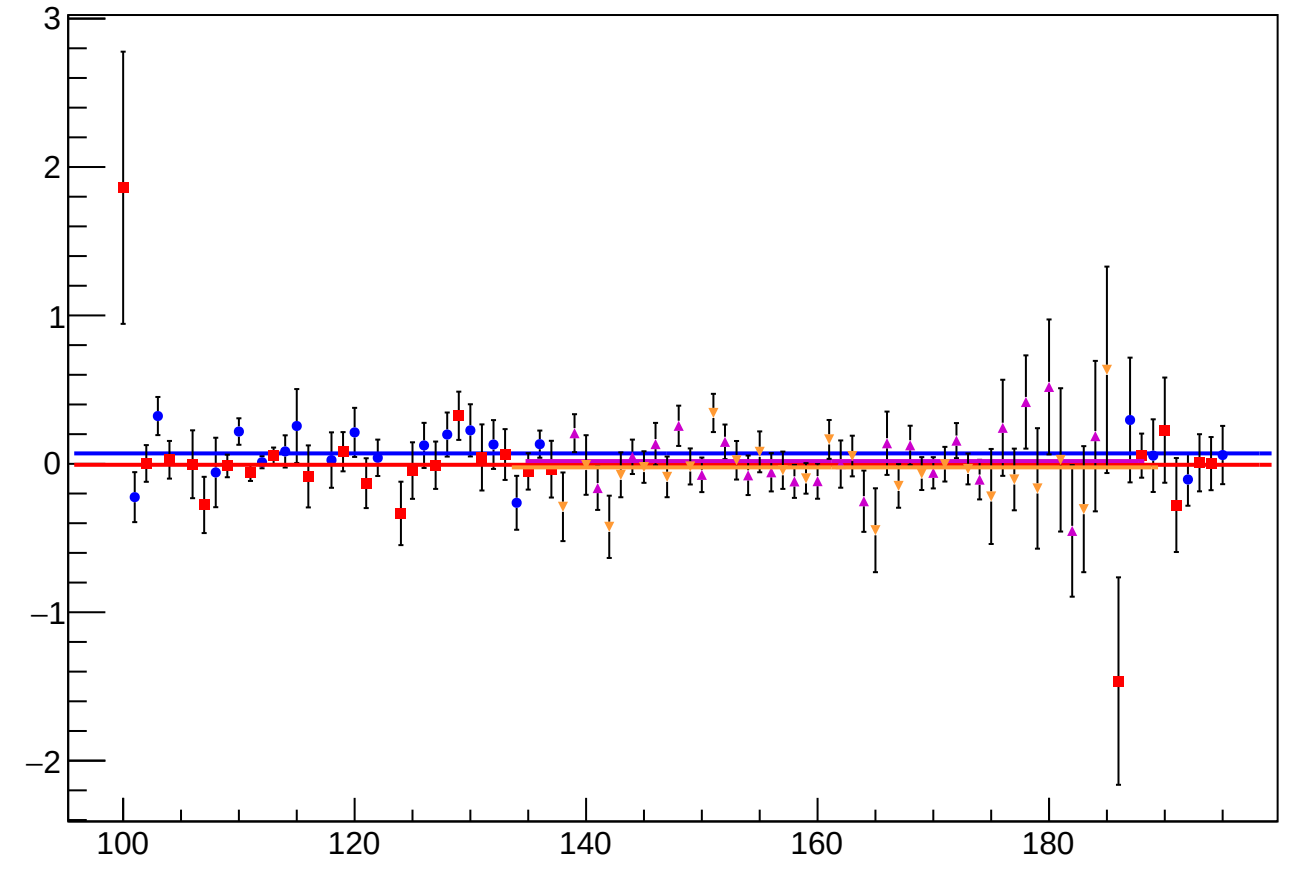
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4261262.9/44

In: 0.000+/-0.000 χ^2/NDF:4849333.1/42

Out: 0.000+/-0.000 χ^2/NDF:5848225.9/49

All: 0.000+/-0.000 χ^2/NDF: 10710627.6/92



Right In: 0.070+/-0.026 χ^2/NDF: 20.3/19

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 22.1/24

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

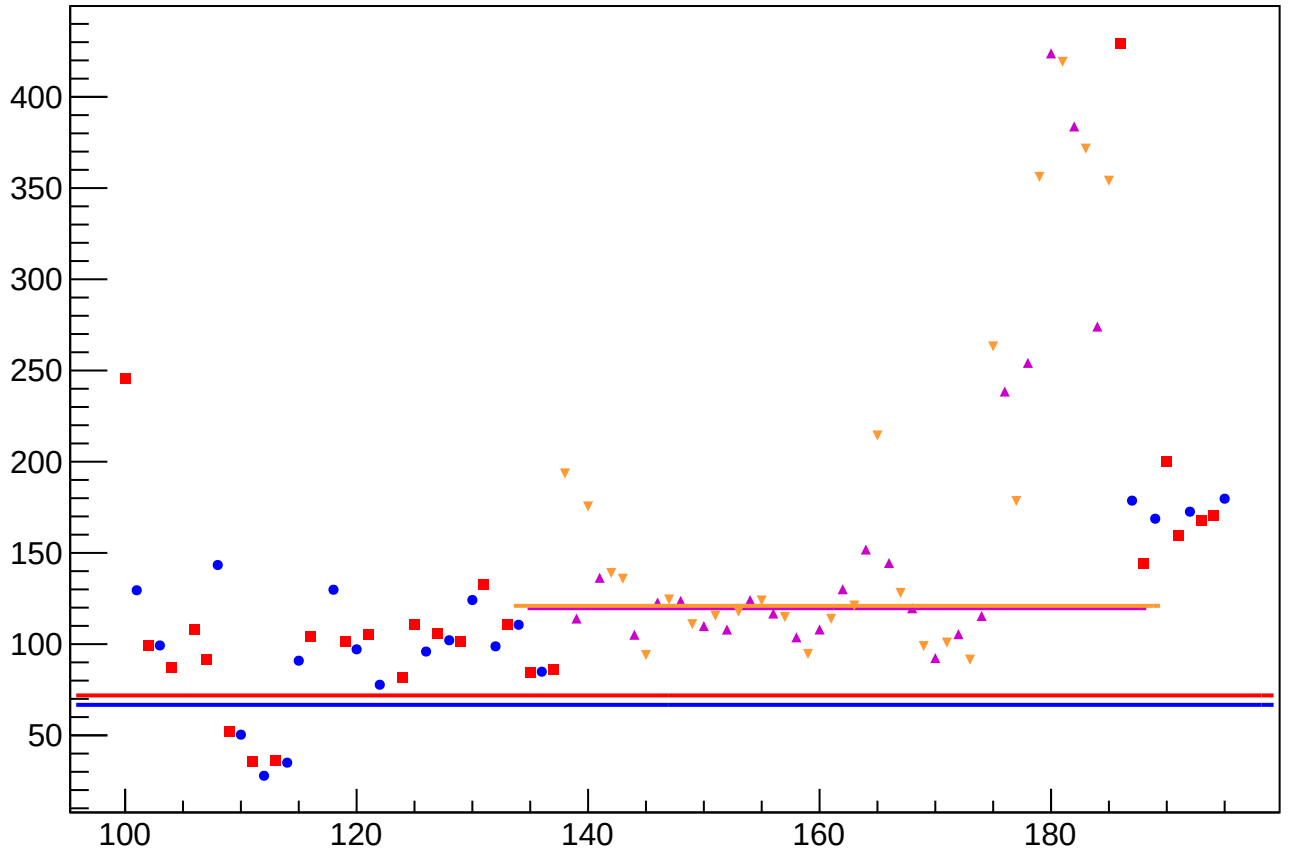
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.031+/-0.018 χ^2/NDF: 46.7/44

In: 0.048+/-0.020 χ^2/NDF:45.0/42

Out: -0.014+/-0.019 χ^2/NDF:44.5/49

All: 0.017+/-0.014 χ^2/NDF: 94.4/92



Right In: 66.716+/-0.019 χ^2/NDF: 5516684.7/19

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 71.879+/-0.018 χ^2/NDF: 5361921.8/24

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

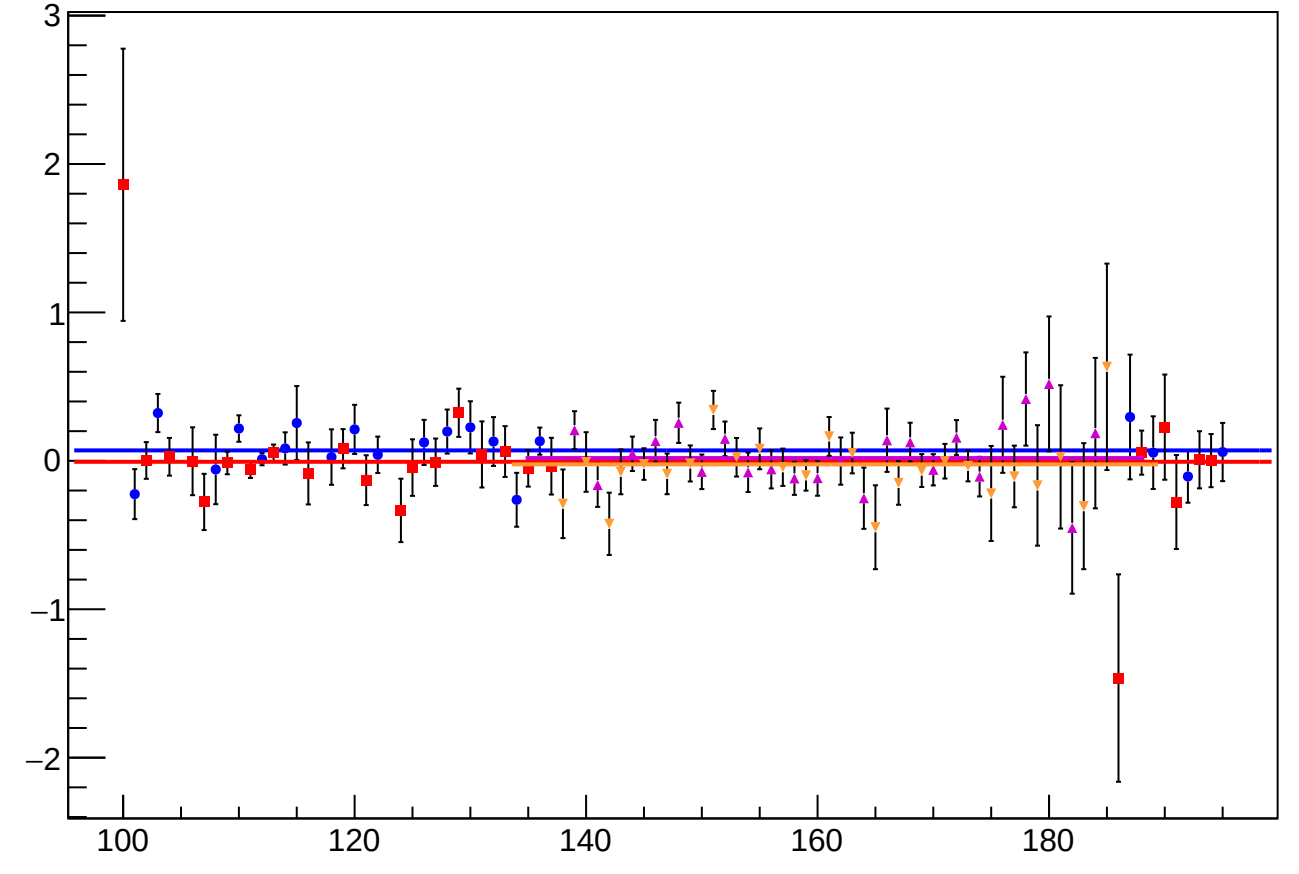
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 69.352+/-0.013 χ^2/NDF: 10918087.4/44

In: 89.492+/-0.014 χ^2/NDF:11855061.2/42

Out: 92.759+/-0.014 χ^2/NDF:12559743.0/49

All: 91.153+/-0.010 χ^2/NDF: 24442424.7/92



Right In: 0.070+/-0.026 χ^2/NDF: 20.3/19

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 22.1/24

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

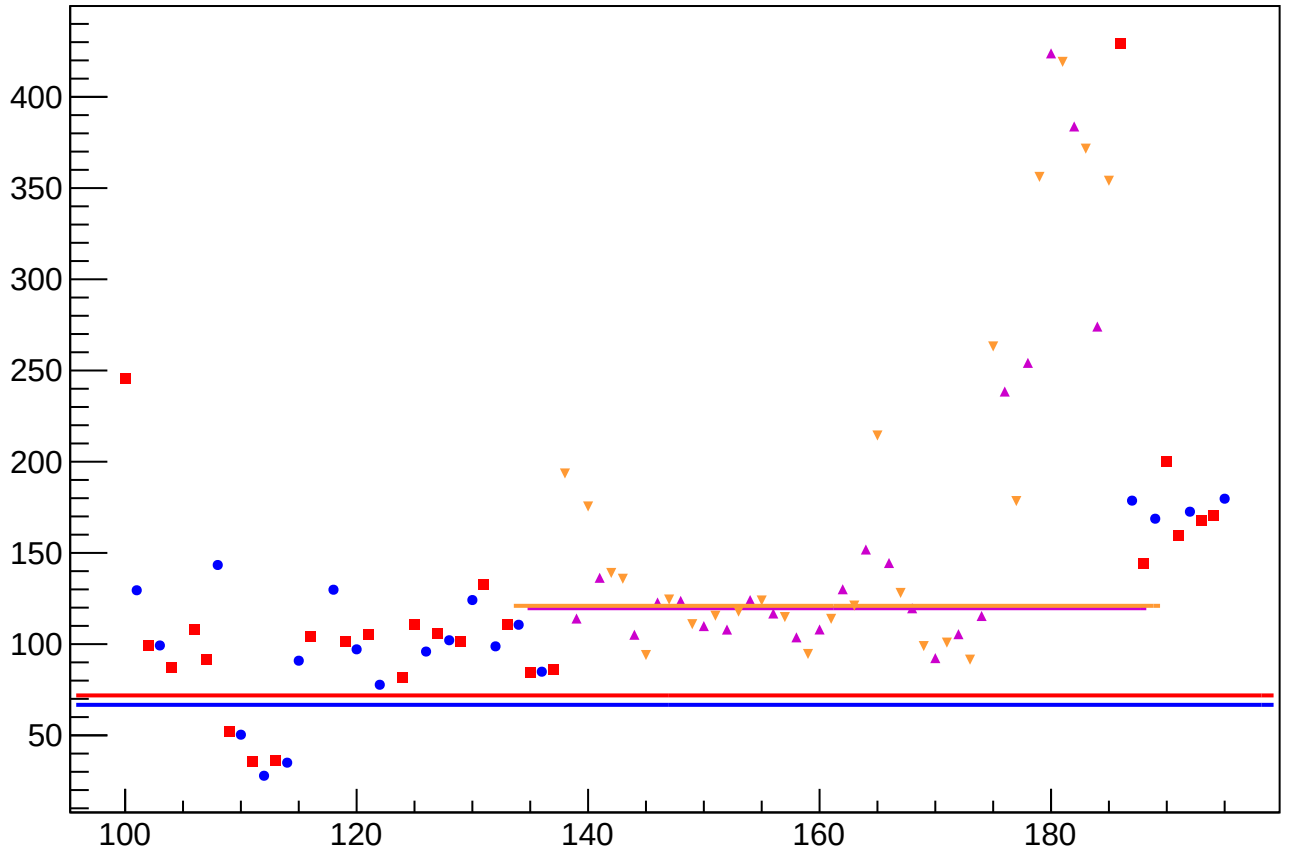
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.031+/-0.018 χ^2/NDF: 46.7/44

In: 0.048+/-0.020 χ^2/NDF:45.0/42

Out: -0.014+/-0.019 χ^2/NDF:44.5/49

All: 0.017+/-0.014 χ^2/NDF: 94.4/92



Right In: 66.716+/-0.019 χ^2/NDF: 5516684.7/19

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 71.879+/-0.018 χ^2/NDF: 5361921.8/24

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

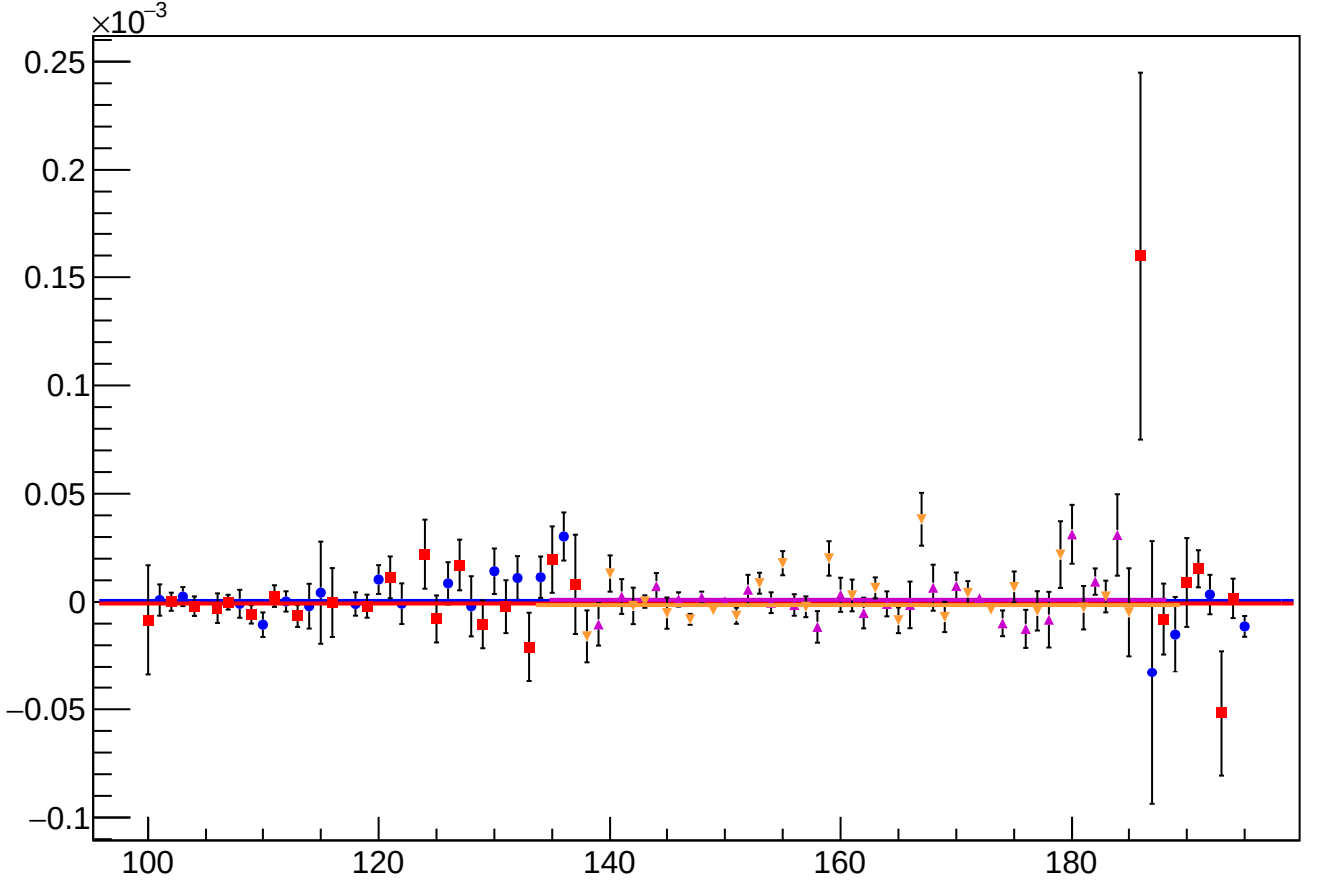
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 69.352+/-0.013 χ^2/NDF: 10918087.4/44

In: 89.492+/-0.014 χ^2/NDF:11855061.2/42

Out: 92.759+/-0.014 χ^2/NDF:12559743.0/49

All: 91.153+/-0.010 χ^2/NDF: 24442424.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/24

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

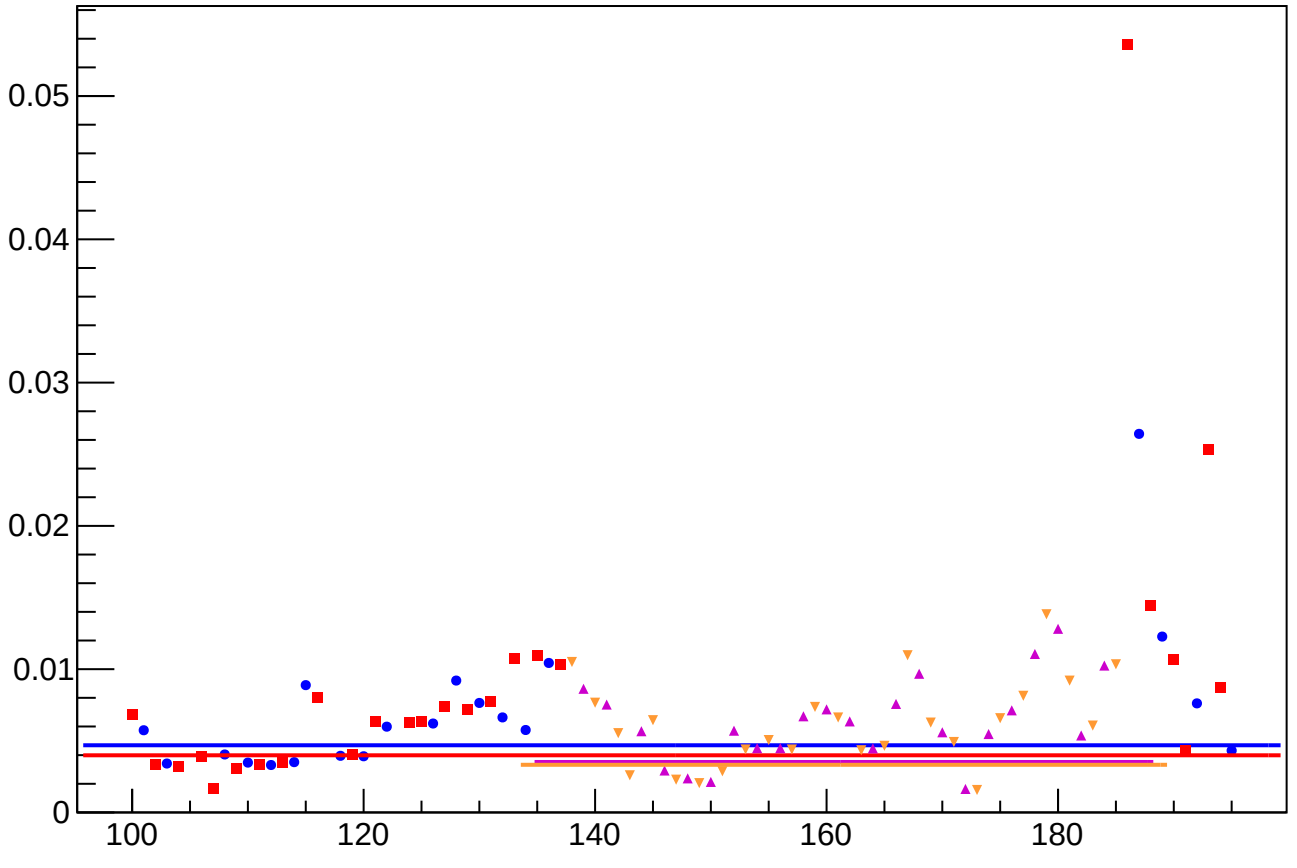
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: -0.000+/-0.000 χ^2/NDF: 50.8/44

In: 0.000+/-0.000 χ^2/NDF:50.1/42

Out: -0.000+/-0.000 χ^2/NDF:85.5/49

All: -0.000+/-0.000 χ^2/NDF: 139.0/92



Right In: 0.005+/-0.000 χ^2/NDF: 2591341.7/19

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 6374364.3/24

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

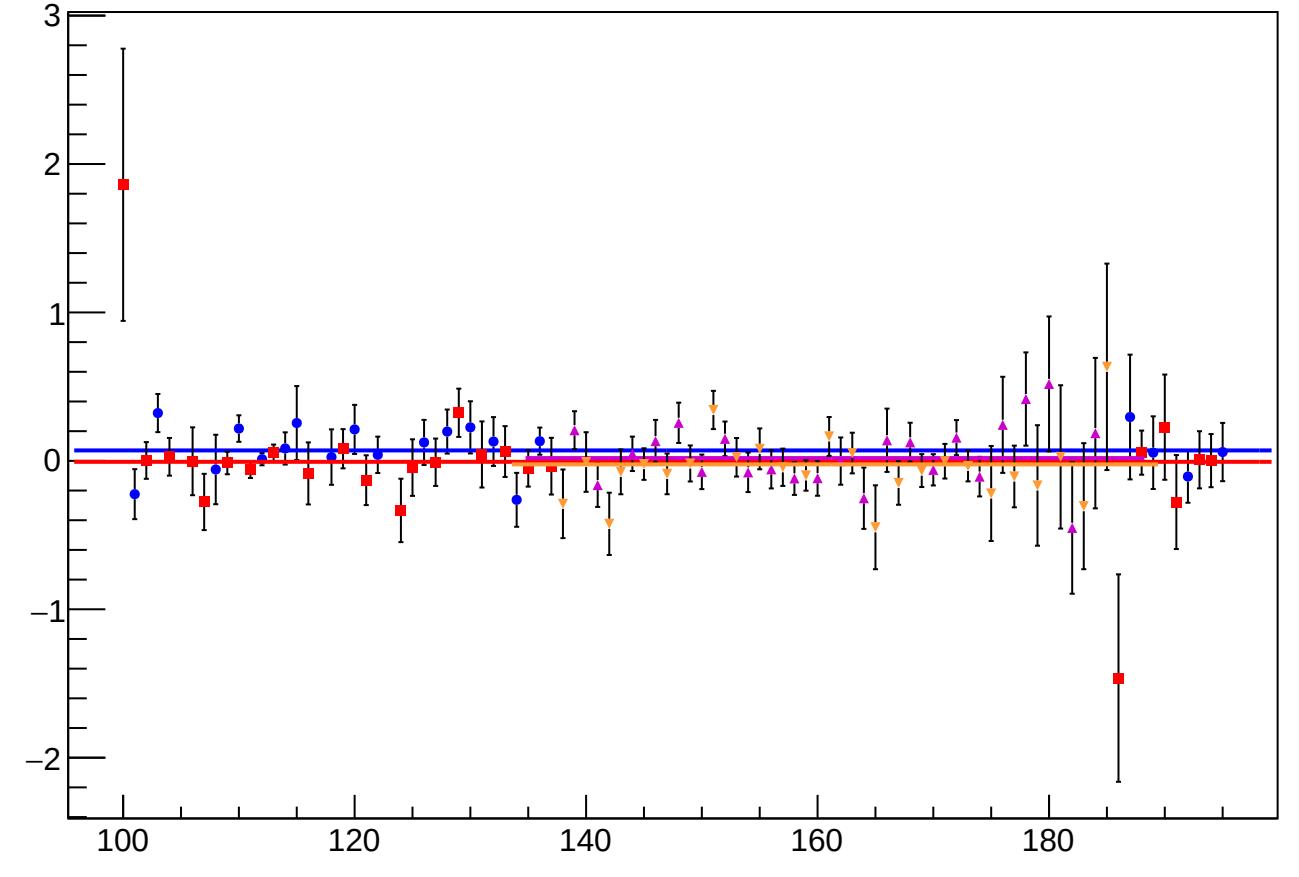
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 9168110.1/44

In: 0.004+/-0.000 χ^2/NDF:12749453.7/42

Out: 0.004+/-0.000 χ^2/NDF:17162378.6/49

All: 0.004+/-0.000 χ^2/NDF: 30064160.5/92



Right In: 0.070+/-0.026 χ^2/NDF: 20.3/19

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 22.1/24

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

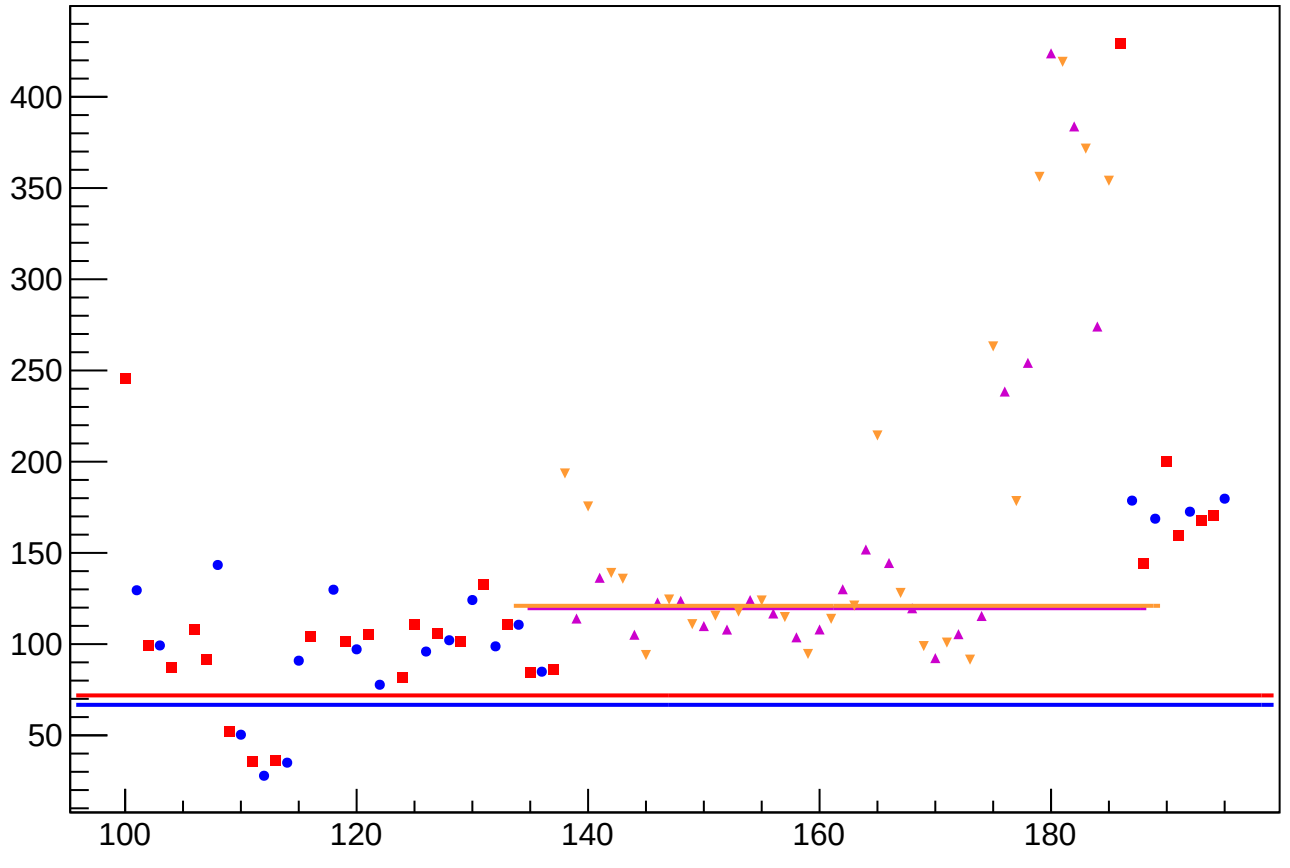
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.031+/-0.018 χ^2/NDF: 46.7/44

In: 0.048+/-0.020 χ^2/NDF:45.0/42

Out: -0.014+/-0.019 χ^2/NDF:44.5/49

All: 0.017+/-0.014 χ^2/NDF: 94.4/92



Right In: 66.714+/-0.019 χ^2/NDF: 5516998.9/19

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 71.877+/-0.018 χ^2/NDF: 5362268.8/24

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

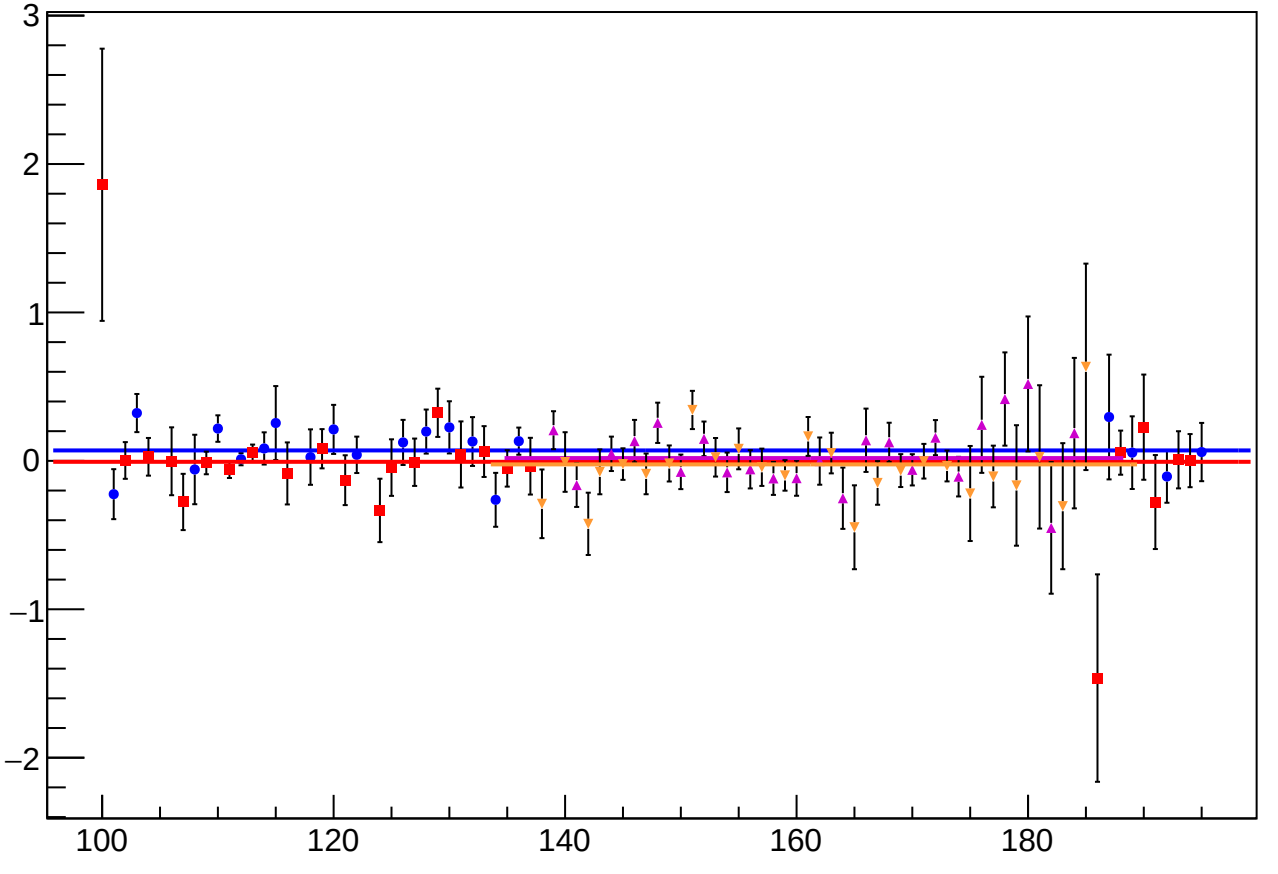
Right: 69.349+/-0.013 χ^2/NDF: 10918754.8/44

In: 89.491+/-0.014 χ^2/NDF:11855765.4/42

Out: 92.758+/-0.014 χ^2/NDF:12560414.7/49

All: 91.151+/-0.010 χ^2/NDF: 24443807.1/92

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.070+/-0.026 χ^2/NDF: 20.3/19

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 22.1/24

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

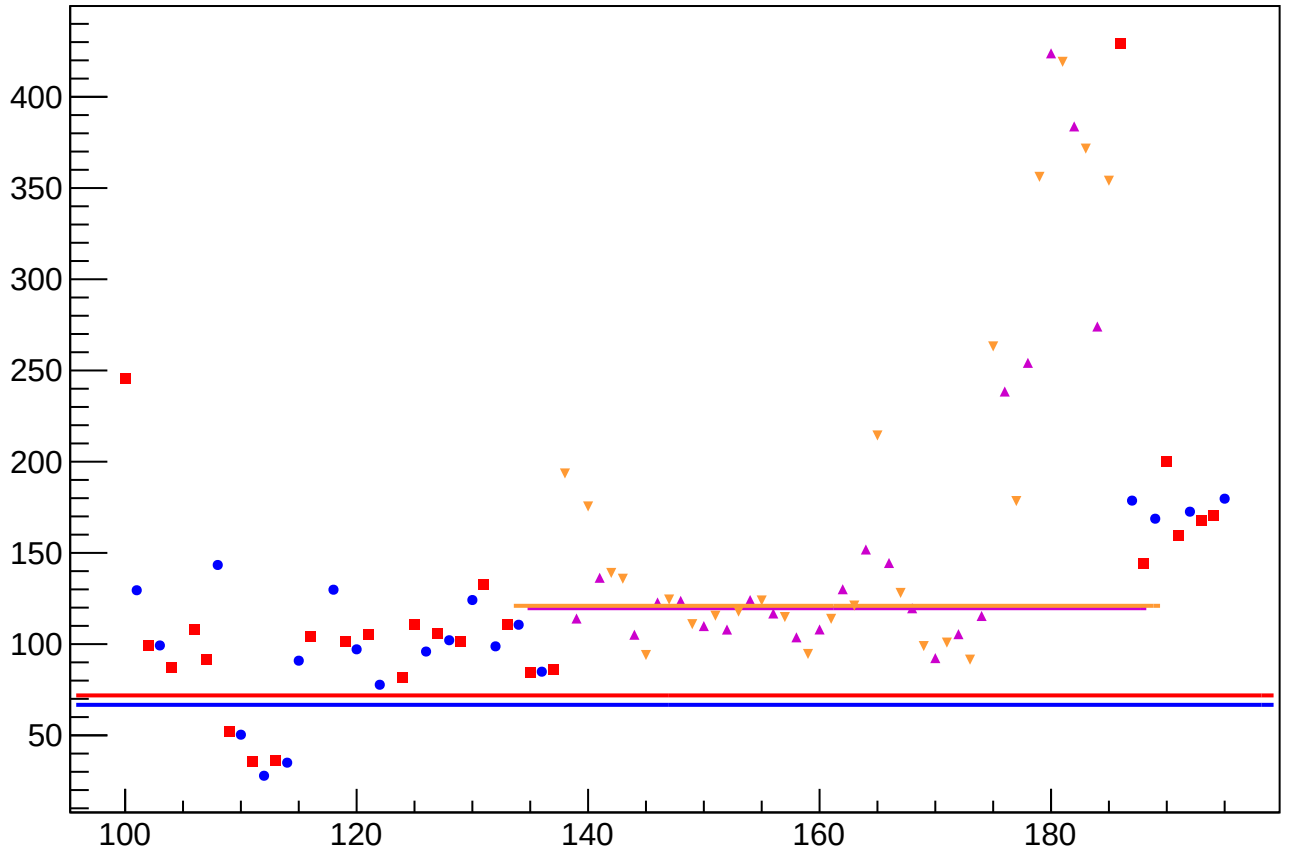
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.031+/-0.018 χ^2/NDF: 46.7/44

In: 0.048+/-0.020 χ^2/NDF:45.0/42

Out: -0.014+/-0.019 χ^2/NDF:44.5/49

All: 0.017+/-0.014 χ^2/NDF: 94.4/92



Right In: 66.714+/-0.019 χ^2/NDF: 5516998.9/19

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 71.877+/-0.018 χ^2/NDF: 5362268.8/24

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

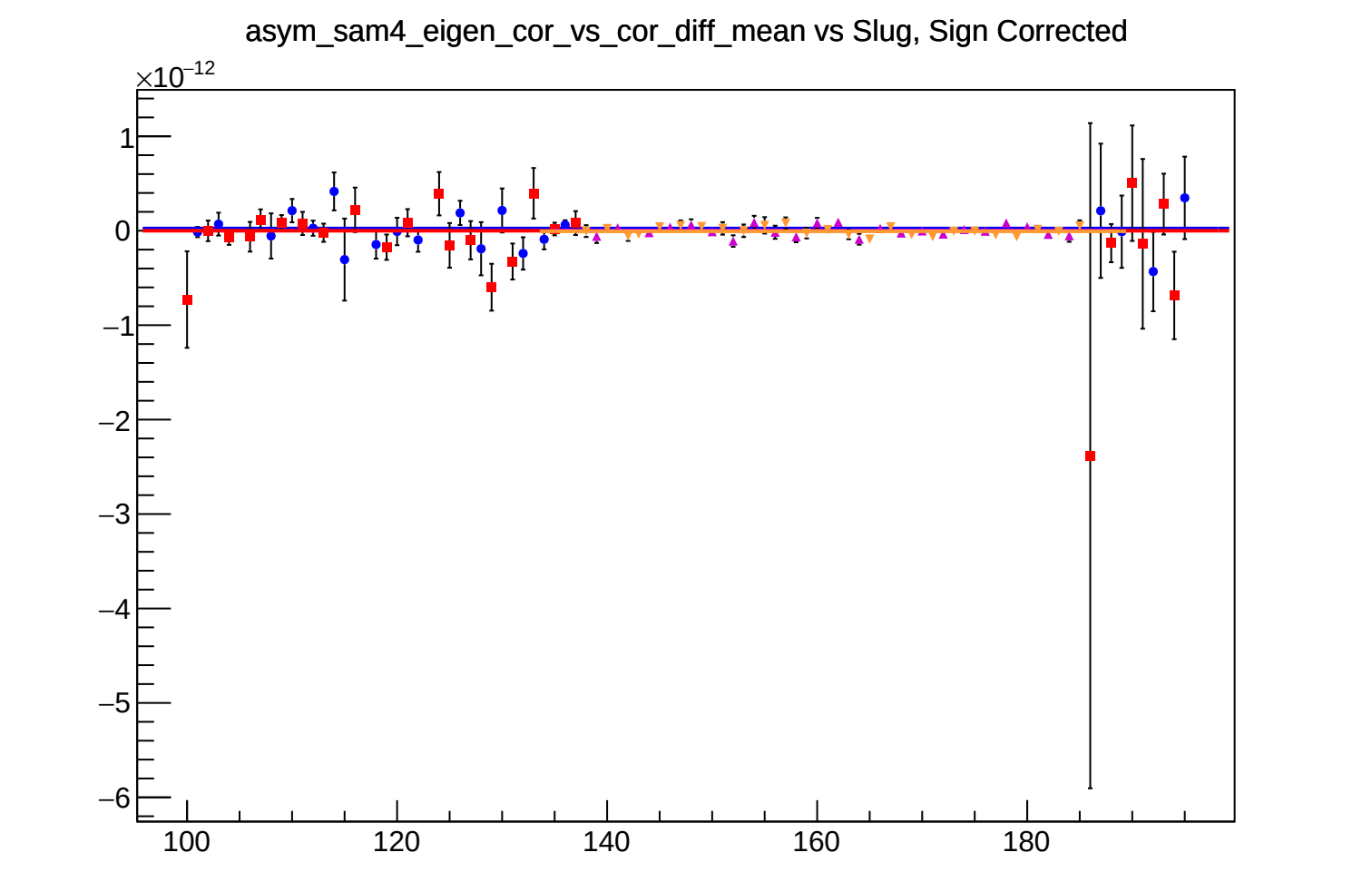
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 69.349+/-0.013 χ^2/NDF: 10918754.8/44

In: 89.491+/-0.014 χ^2/NDF:11855765.4/42

Out: 92.758+/-0.014 χ^2/NDF:12560414.7/49

All: 91.151+/-0.010 χ^2/NDF: 24443807.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

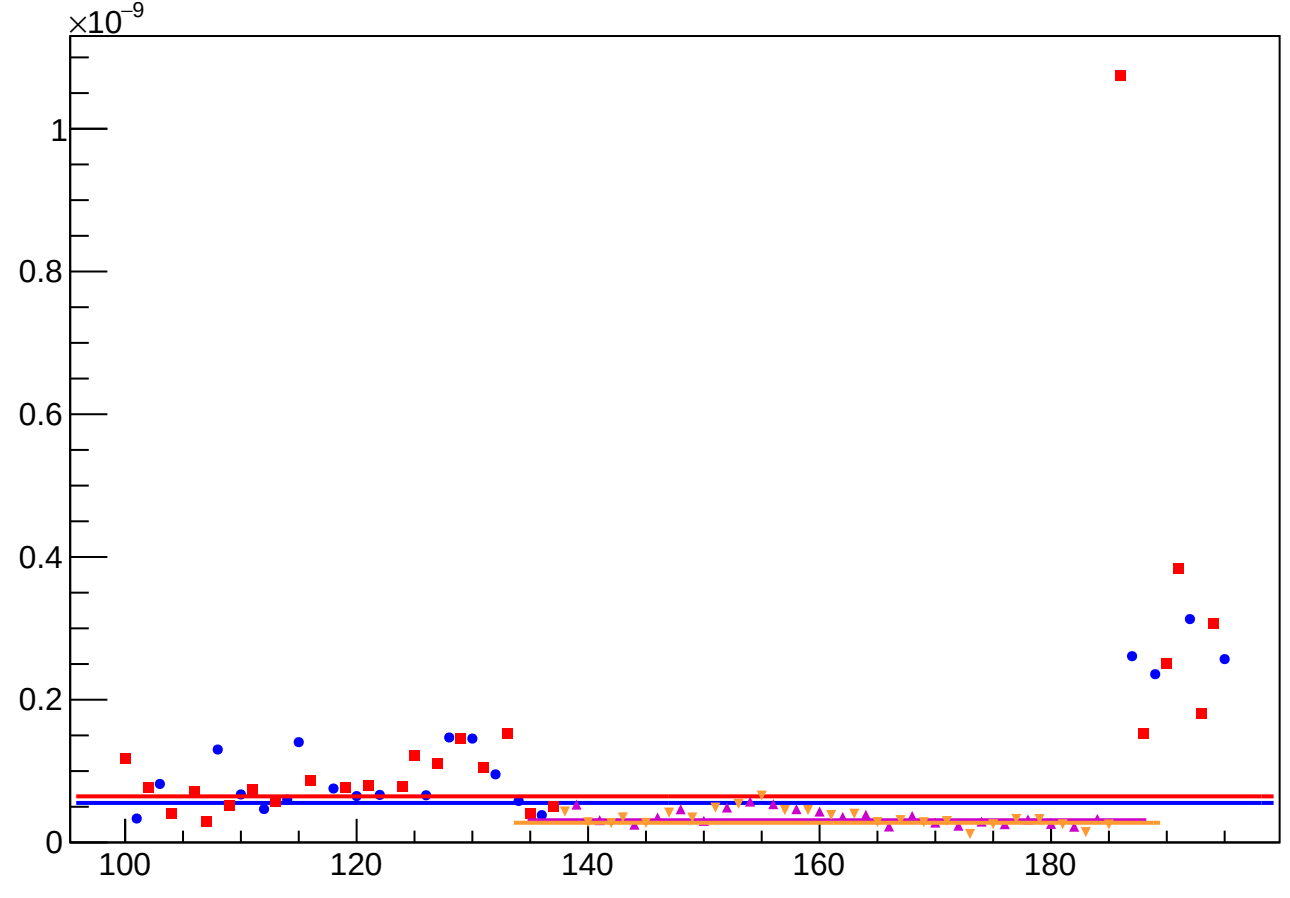
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 46.7/44

In: 0.000+/-0.000 χ^2/NDF:46.7/42

Out: -0.000+/-0.000 χ^2/NDF:50.0/49

All: -0.000+/-0.000 χ^2/NDF: 97.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 3460245.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3375342.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

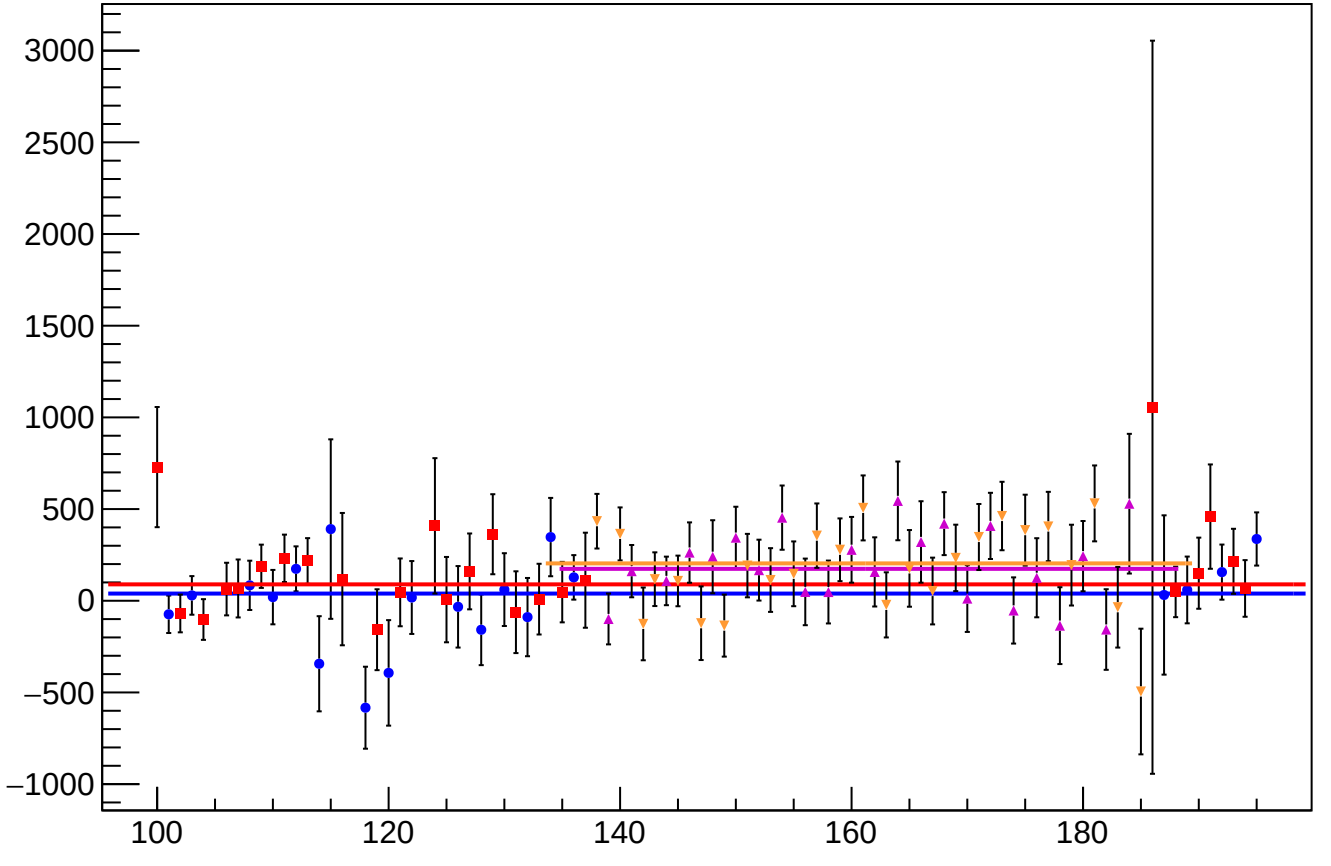
Right: 0.000+/-0.000 χ^2/NDF: 6949774.0/44

In: 0.000+/-0.000 χ^2/NDF:6956842.4/42

Out: 0.000+/-0.000 χ^2/NDF:10217616.4/49

All: 0.000+/-0.000 χ^2/NDF: 17342896.2/92

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 39.198+/-36.725 χ^2/NDF: 24.3/19

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 89.403+/-34.068 χ^2/NDF: 19.4/24

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

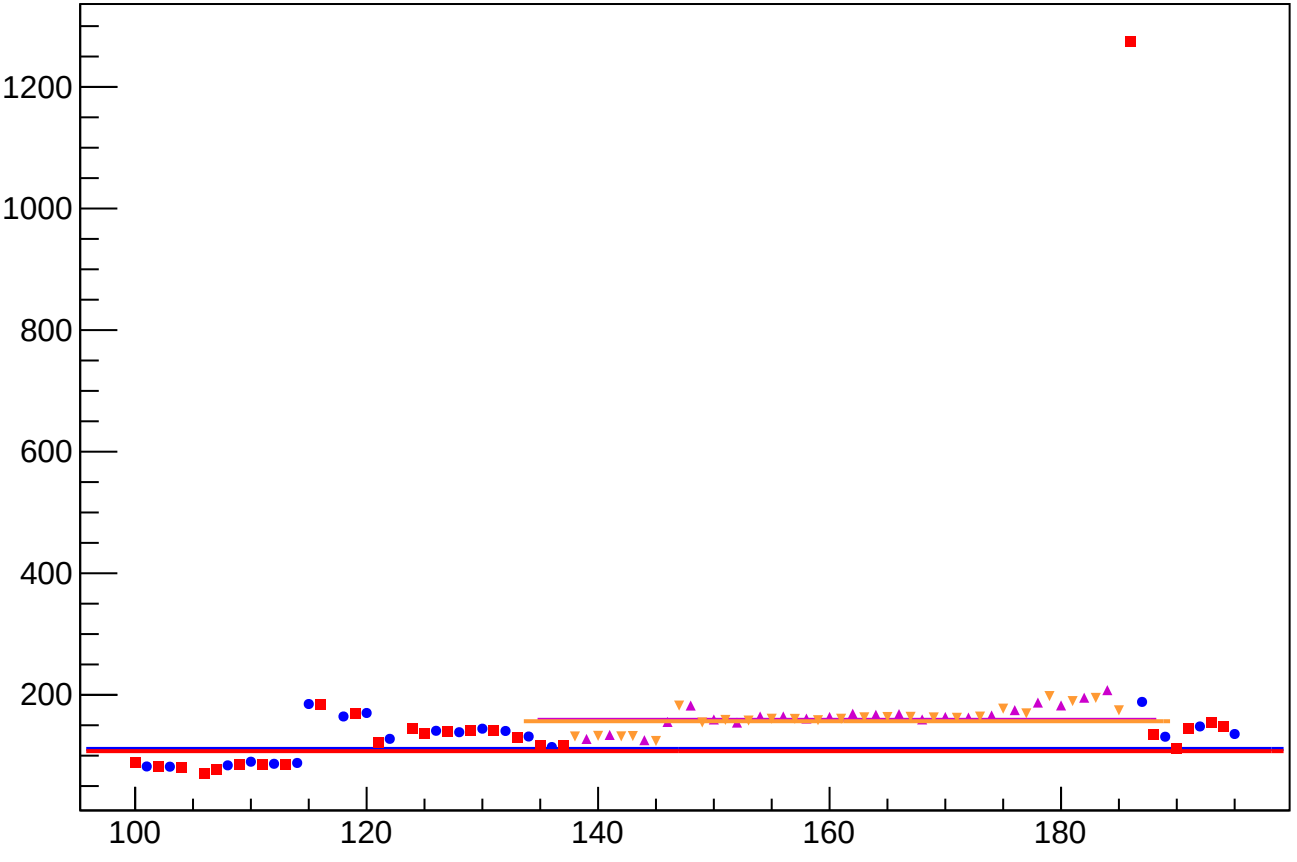
Right: 66.182+/-24.976 χ^2/NDF: 44.7/44

In: 105.350+/-26.206 χ^2/NDF:55.4/42

Out: 143.625+/-24.705 χ^2/NDF:57.6/49

All: 125.615+/-17.976 χ^2/NDF: 114.1/92

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 111.079+/-0.026 χ^2/NDF: 1244702.9/19

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 107.424+/-0.024 χ^2/NDF: 2203898.0/24

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

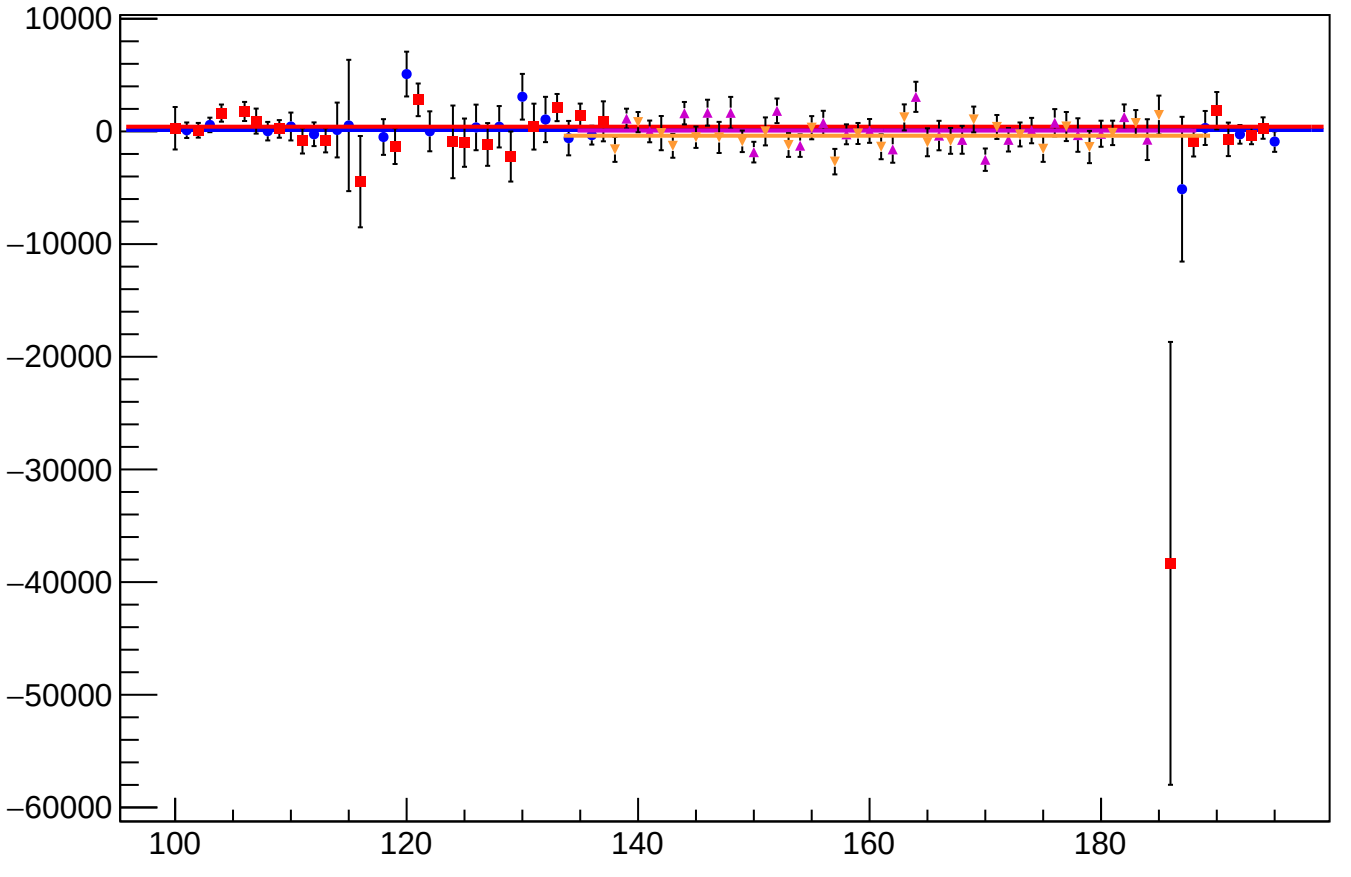
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 109.114+/-0.018 χ^2/NDF: 3459244.4/44

In: 134.576+/-0.019 χ^2/NDF:3424090.8/42

Out: 130.759+/-0.017 χ^2/NDF:4765172.6/49

All: 132.555+/-0.013 χ^2/NDF: 8211731.0/92



Right In: 127.606+/-260.488 χ^2/NDF: 12.2/19

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 419.896+/-236.827 χ^2/NDF: 26.3/24

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

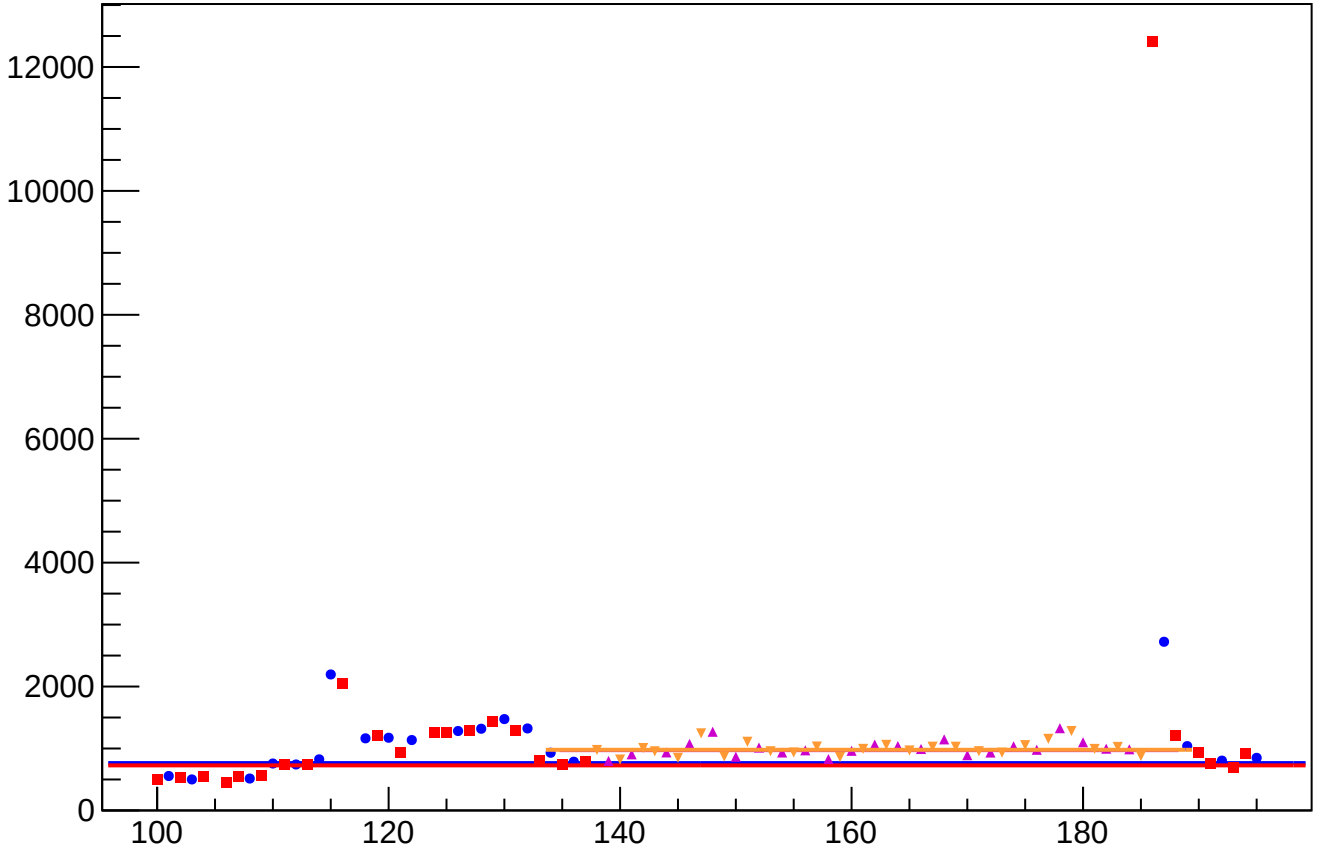
Right: 287.626+/-175.231 χ^2/NDF: 39.2/44

In: 97.707+/-172.321 χ^2/NDF:45.2/42

Out: -1.678+/-162.950 χ^2/NDF:51.1/49

All: 45.238+/-118.397 χ^2/NDF: 96.5/92

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 764.328+/-0.184 χ^2/NDF: 2136780.6/19

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 727.562+/-0.167 χ^2/NDF: 2970541.9/24

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

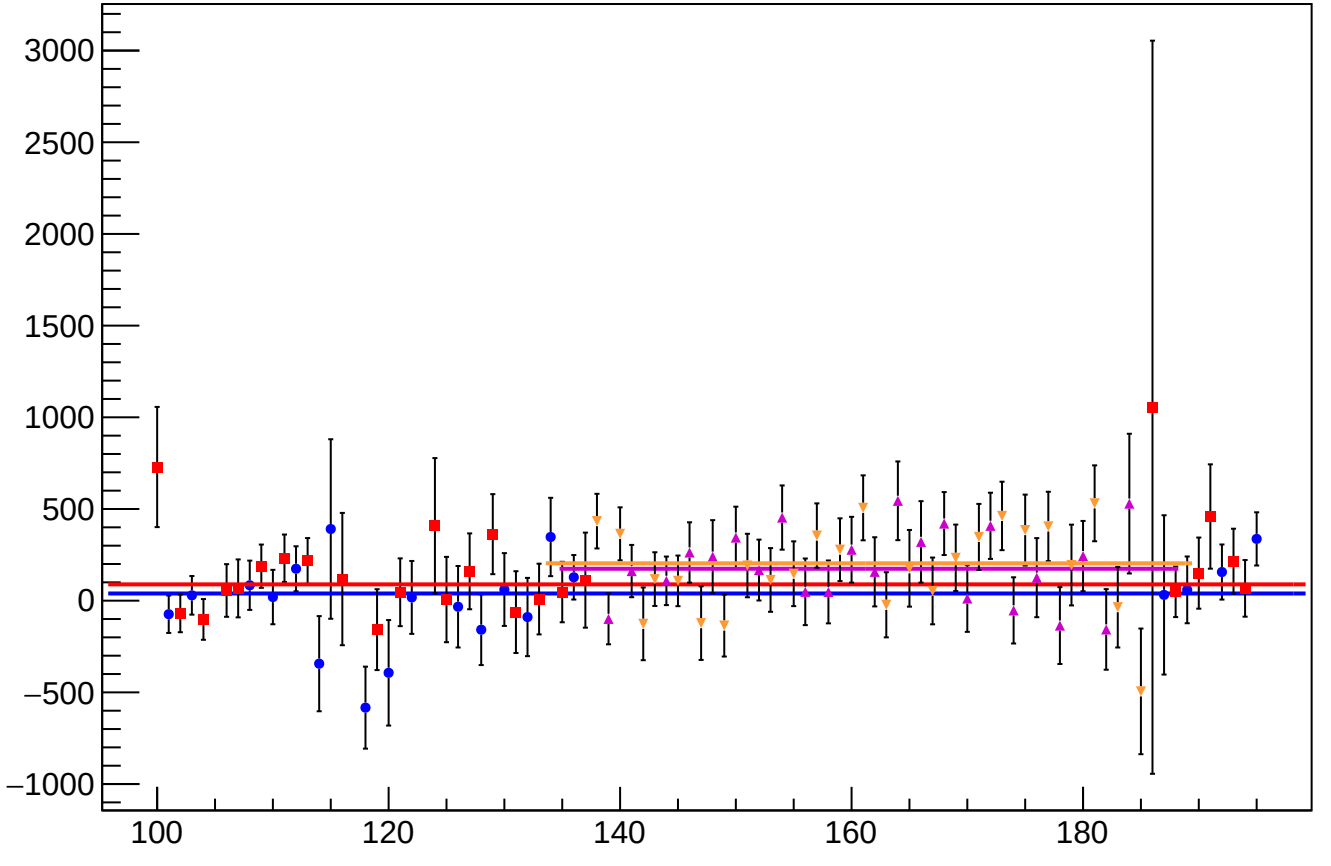
Right: 744.200+/-0.124 χ^2/NDF: 5129135.2/44

In: 882.139+/-0.122 χ^2/NDF:3362845.5/42

Out: 860.024+/-0.115 χ^2/NDF:4588509.9/49

All: 870.464+/-0.084 χ^2/NDF: 7968746.7/92

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 39.191+/-36.725 χ^2/NDF: 24.3/19

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 88.974+/-34.070 χ^2/NDF: 19.4/24

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

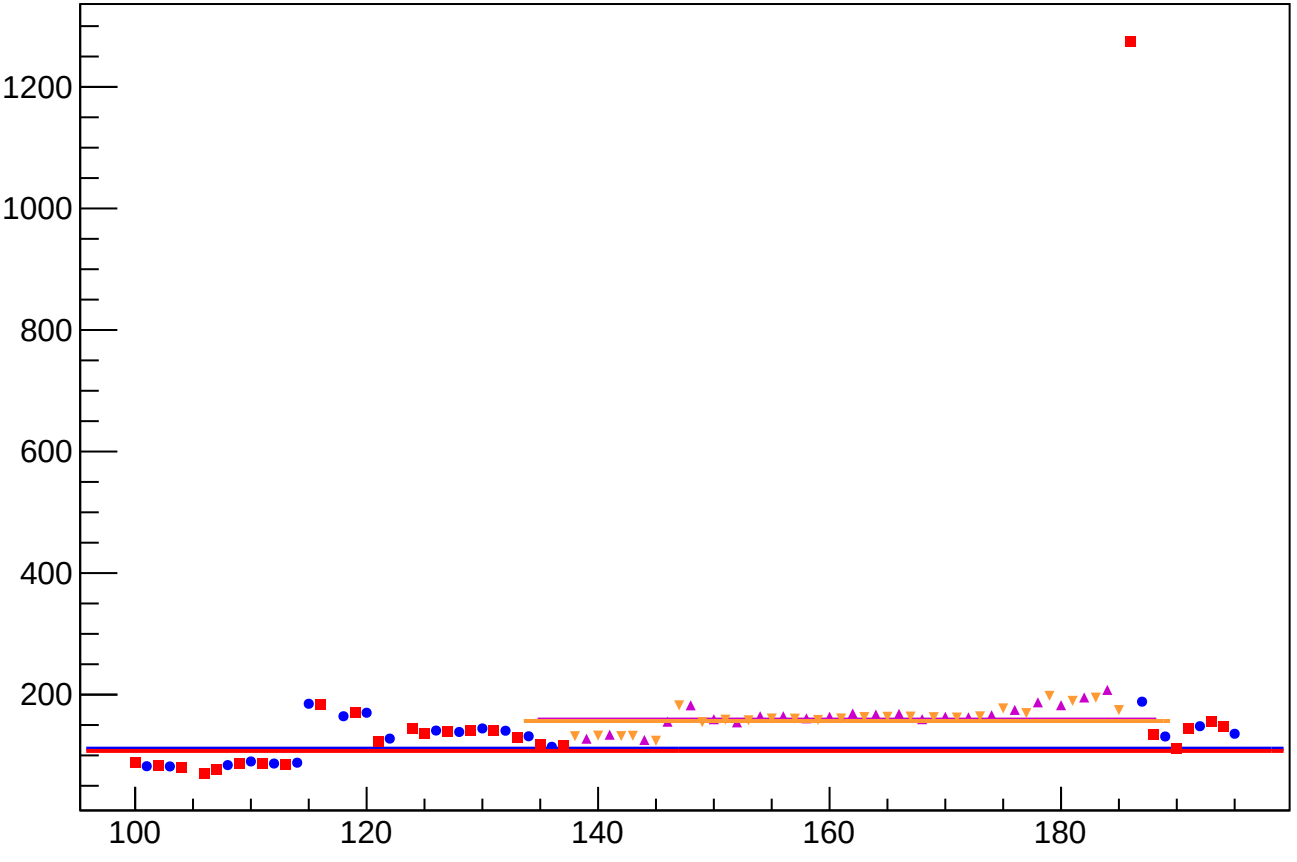
Right: 65.947+/-24.977 χ^2/NDF: 44.7/44

In: 105.348+/-26.206 χ^2/NDF:55.4/42

Out: 143.406+/-24.706 χ^2/NDF:57.7/49

All: 125.497+/-17.976 χ^2/NDF: 114.2/92

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 111.079+/-0.026 χ^2/NDF: 1244702.0/19

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 107.406+/-0.024 χ^2/NDF: 2206599.1/24

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

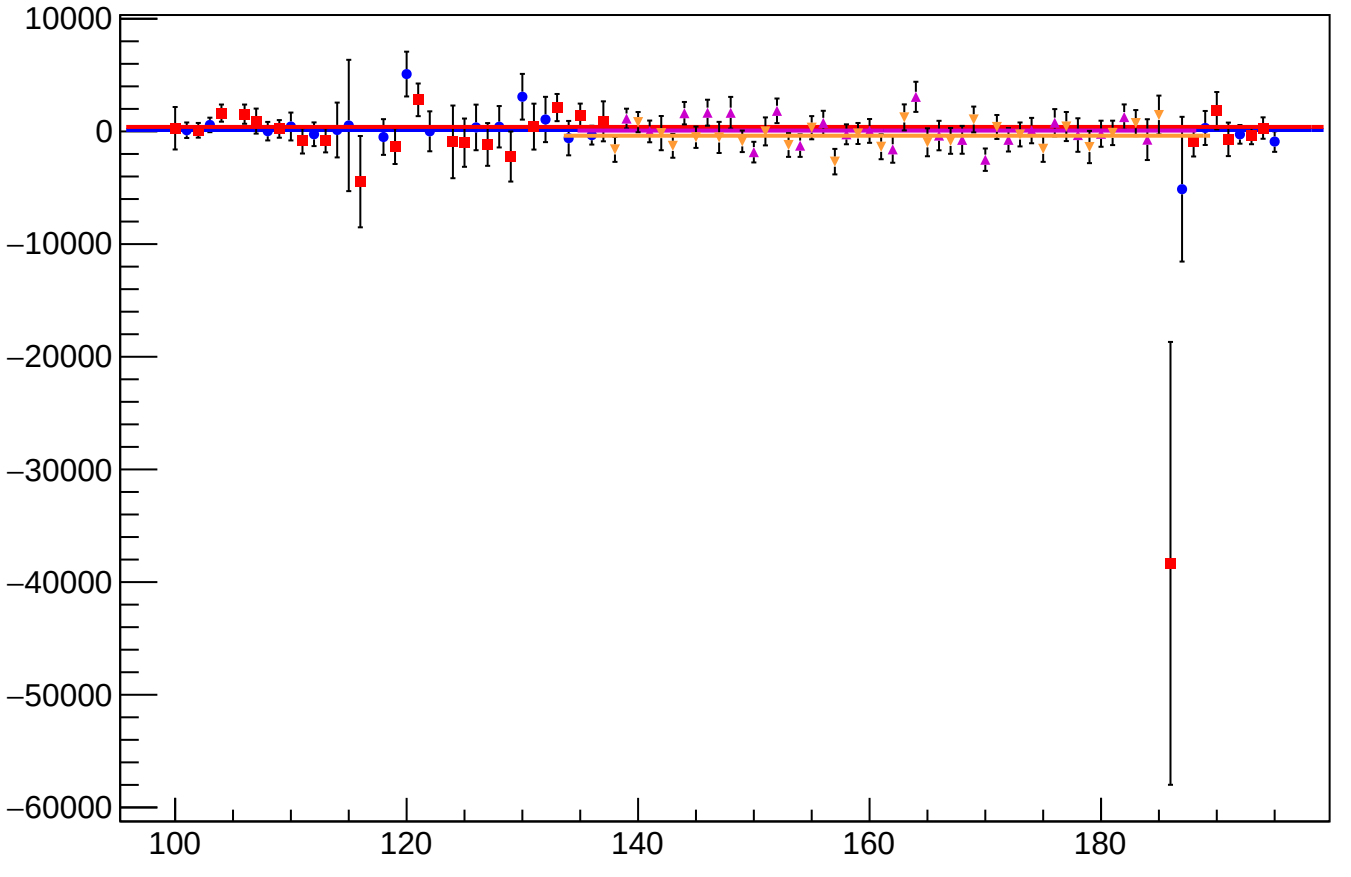
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 109.105+/-0.018 χ^2/NDF: 3462051.4/44

In: 134.576+/-0.019 χ^2/NDF:3424088.8/42

Out: 130.750+/-0.017 χ^2/NDF:4769245.8/49

All: 132.551+/-0.013 χ^2/NDF: 8215899.1/92



Right In: 127.608+/-260.488 χ^2/NDF: 12.2/19

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 399.861+/-236.948 χ^2/NDF: 25.5/24

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

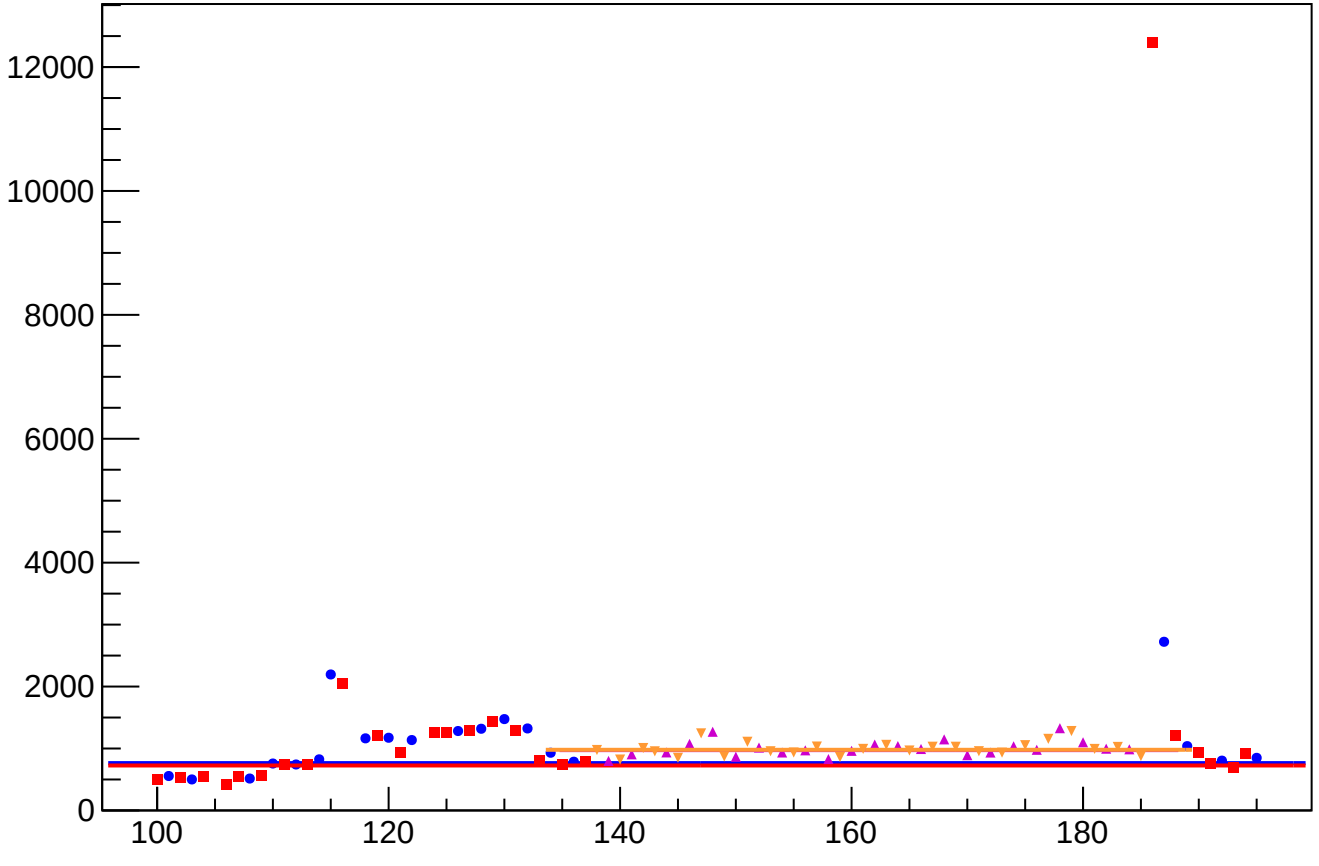
Right: 276.590+/-175.280 χ^2/NDF: 38.2/44

In: 97.707+/-172.321 χ^2/NDF:45.2/42

Out: -11.355+/-162.989 χ^2/NDF:49.9/49

All: 40.143+/-118.412 χ^2/NDF: 95.4/92

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 764.328+/-0.184 χ^2/NDF: 2136783.1/19

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 725.965+/-0.168 χ^2/NDF: 3006579.0/24

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

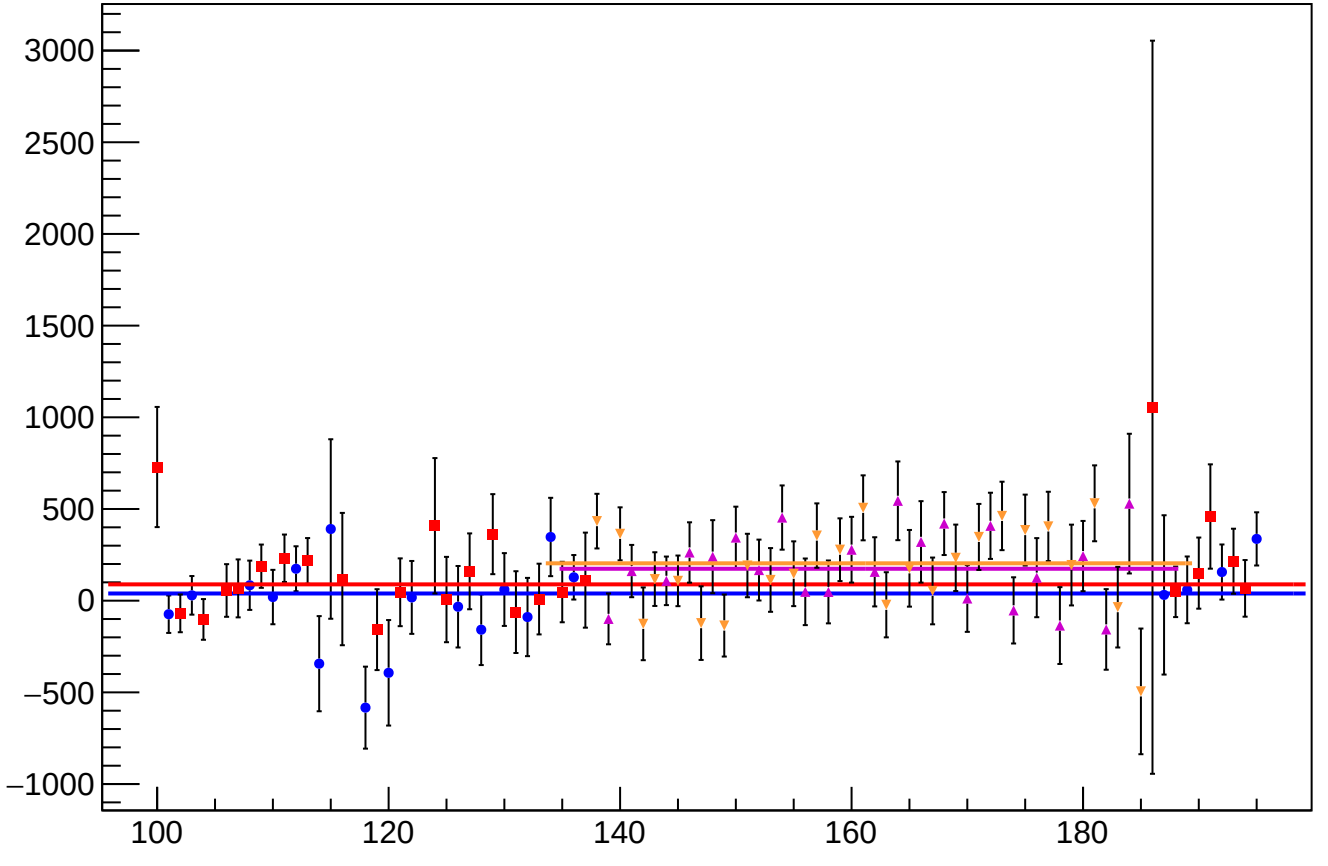
Right: 743.335+/-0.124 χ^2/NDF: 5167099.4/44

In: 882.139+/-0.122 χ^2/NDF:3362853.0/42

Out: 859.332+/-0.115 χ^2/NDF:4639037.5/49

All: 870.101+/-0.084 χ^2/NDF: 8020382.1/92

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 39.191+/-36.725 χ^2/NDF: 24.3/19

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 88.974+/-34.070 χ^2/NDF: 19.4/24

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

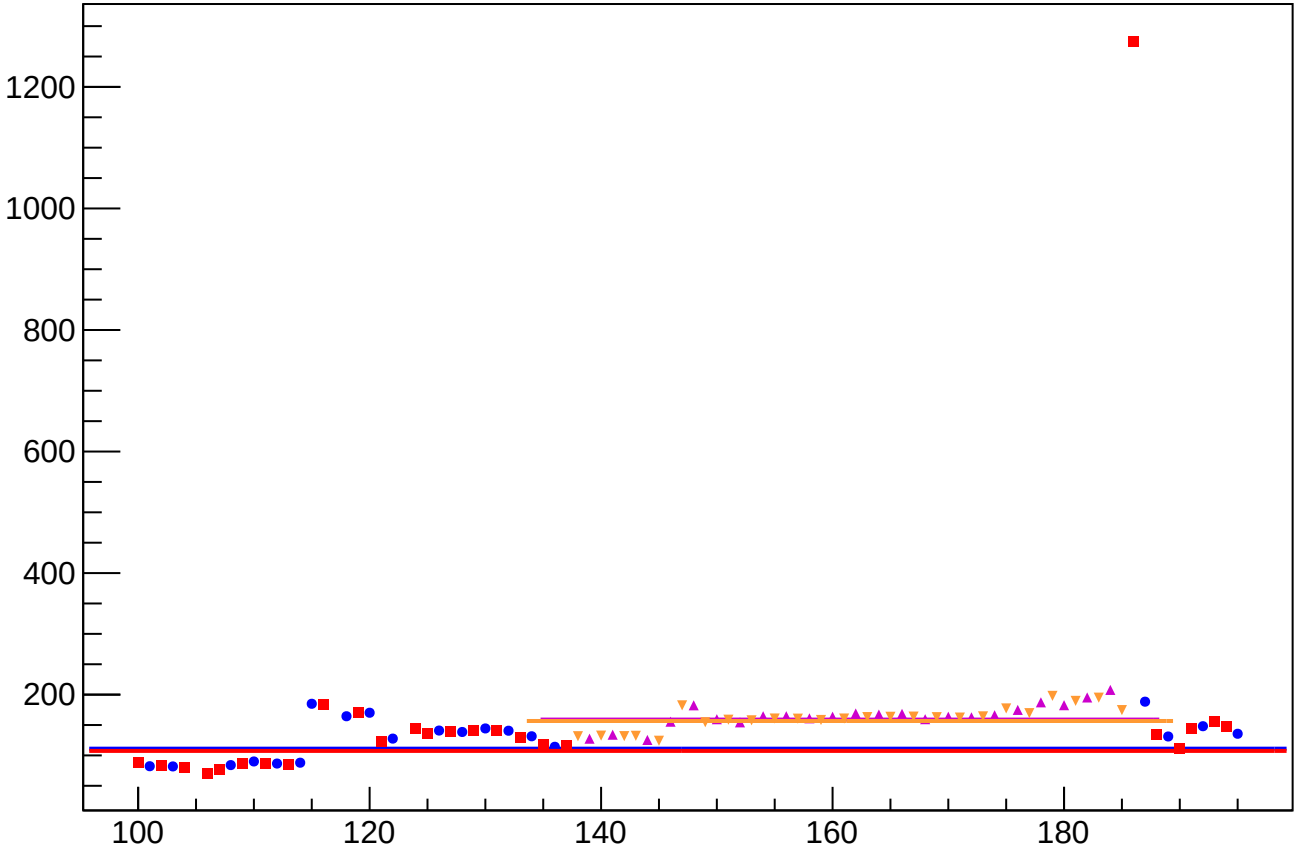
Right: 65.947+/-24.977 χ^2/NDF: 44.7/44

In: 105.348+/-26.206 χ^2/NDF:55.4/42

Out: 143.406+/-24.706 χ^2/NDF:57.7/49

All: 125.497+/-17.976 χ^2/NDF: 114.2/92

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 111.079+/-0.026 χ^2/NDF: 1244702.0/19

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 107.406+/-0.024 χ^2/NDF: 2206599.1/24

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

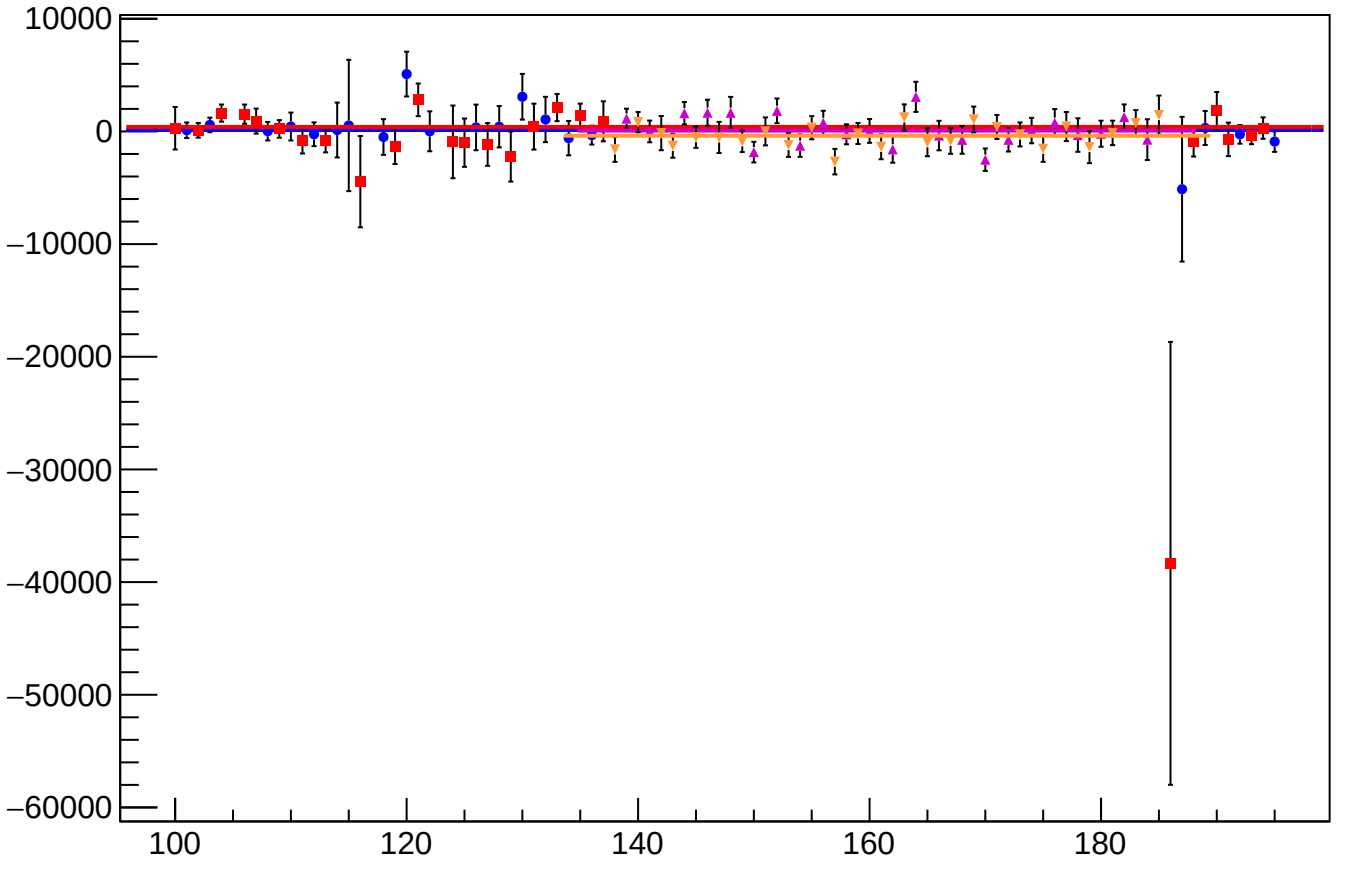
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 109.105+/-0.018 χ^2/NDF: 3462051.4/44

In: 134.576+/-0.019 χ^2/NDF:3424088.8/42

Out: 130.750+/-0.017 χ^2/NDF:4769245.8/49

All: 132.551+/-0.013 χ^2/NDF: 8215899.1/92



Right In: 127.608+/-260.488 χ^2/NDF: 12.2/19

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 399.861+/-236.948 χ^2/NDF: 25.5/24

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

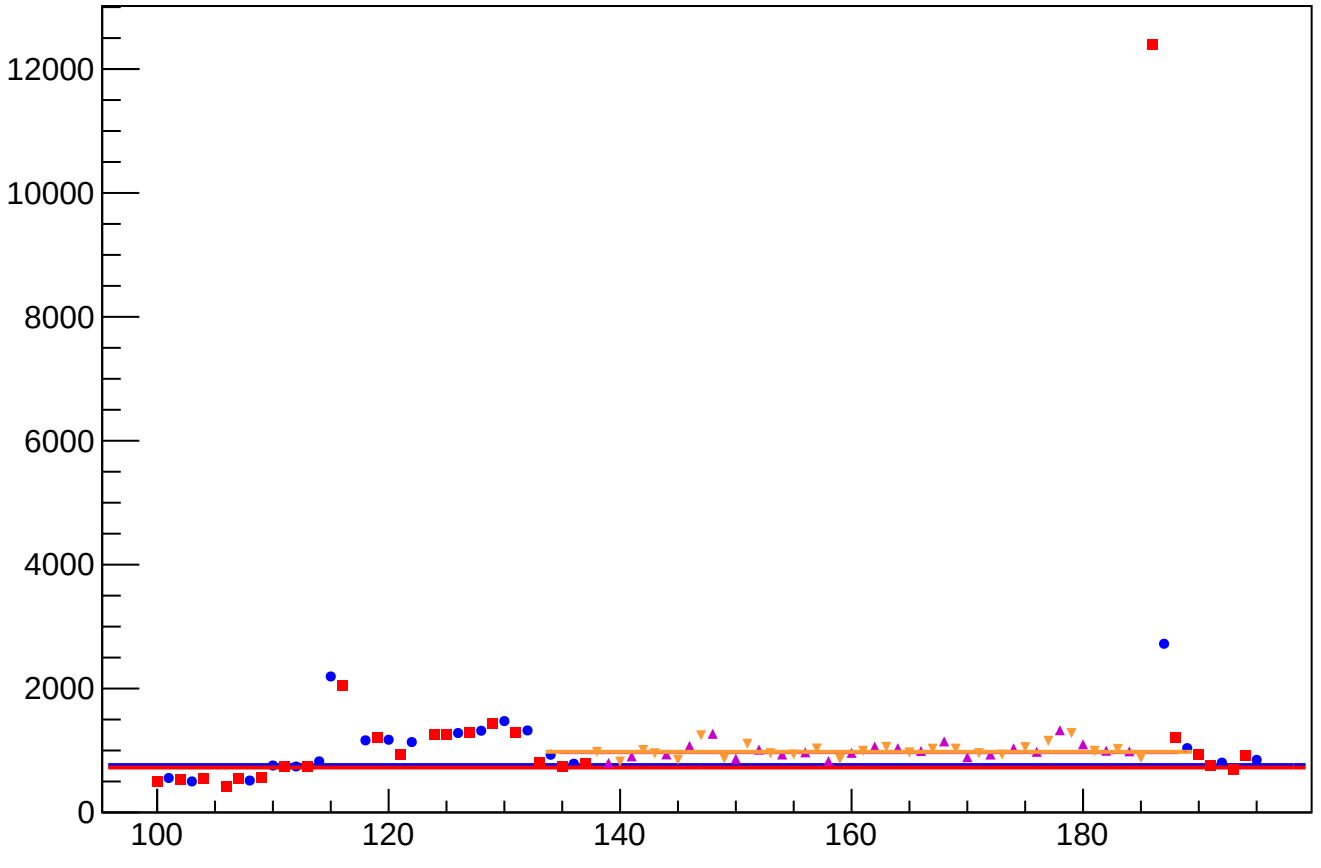
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 276.590+/-175.280 χ^2/NDF: 38.2/44

In: 97.707+/-172.321 χ^2/NDF:45.2/42

Out: -11.355+/-162.989 χ^2/NDF:49.9/49

All: 40.143+/-118.412 χ^2/NDF: 95.4/92



Right In: 764.328+/-0.184 χ^2/NDF: 2136783.1/19

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 725.965+/-0.168 χ^2/NDF: 3006579.0/24

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

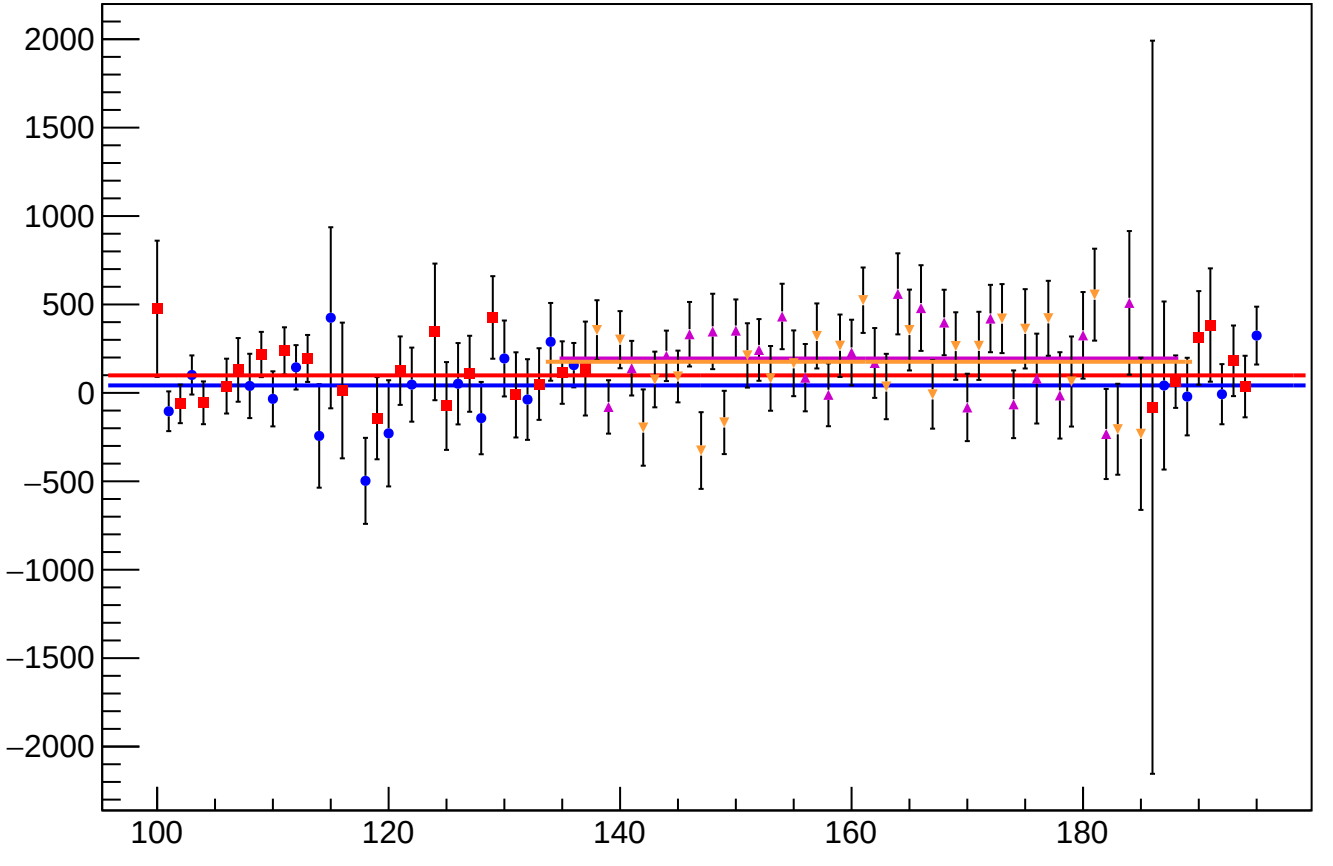
Right: 743.335+/-0.124 χ^2/NDF: 5167099.4/44

In: 882.139+/-0.122 χ^2/NDF:3362853.0/42

Out: 859.332+/-0.115 χ^2/NDF:4639037.5/49

All: 870.101+/-0.084 χ^2/NDF: 8020382.1/92

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 42.235+/-39.932 χ^2/NDF: 16.8/19

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 99.015+/-36.855 χ^2/NDF: 13.5/24

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

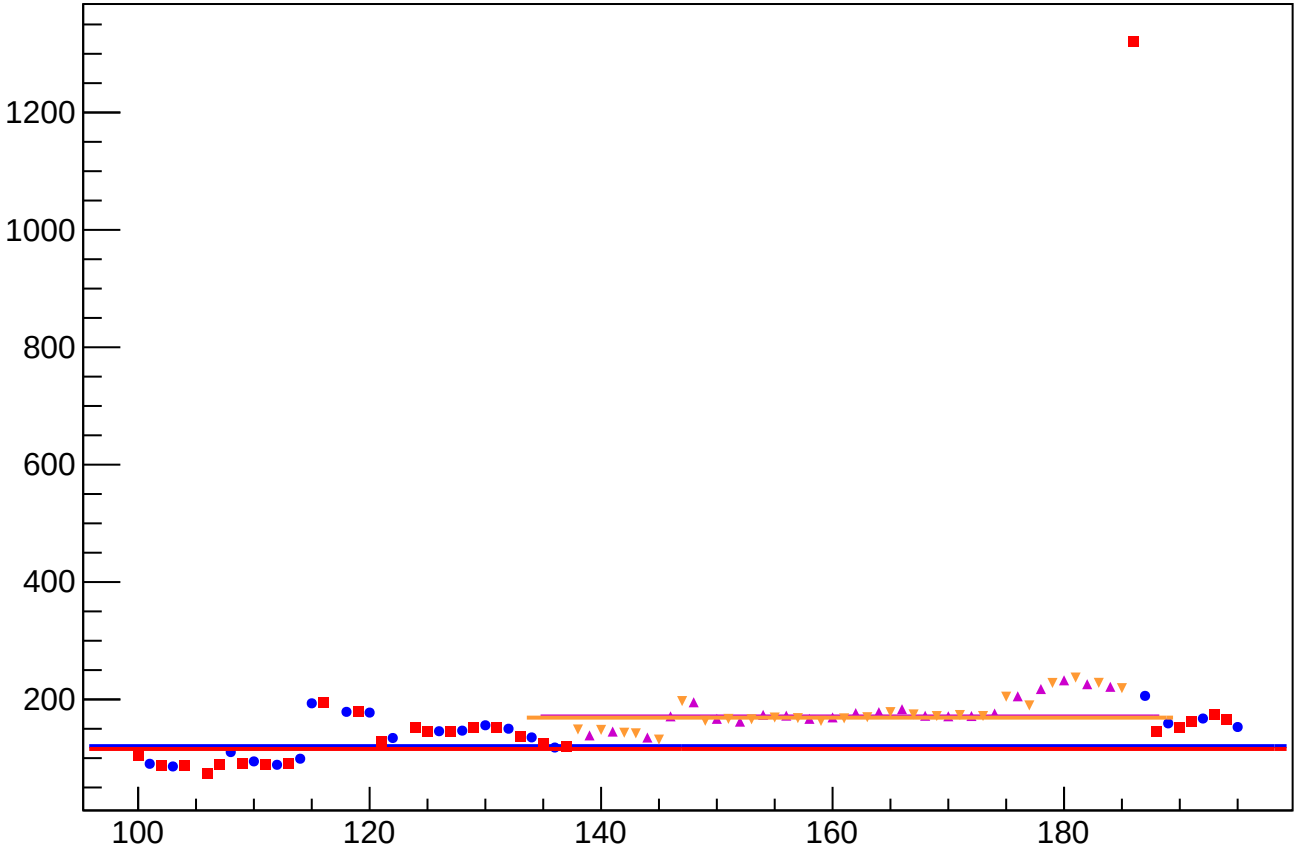
Right: 72.897+/-27.083 χ^2/NDF: 31.4/44

In: 117.424+/-28.394 χ^2/NDF:47.8/42

Out: 135.497+/-26.734 χ^2/NDF:46.4/49

All: 127.005+/-19.464 χ^2/NDF: 94.4/92

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 120.447+/-0.028 χ^2/NDF: 1293432.1/19

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 115.630+/-0.026 χ^2/NDF: 2294036.4/24

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

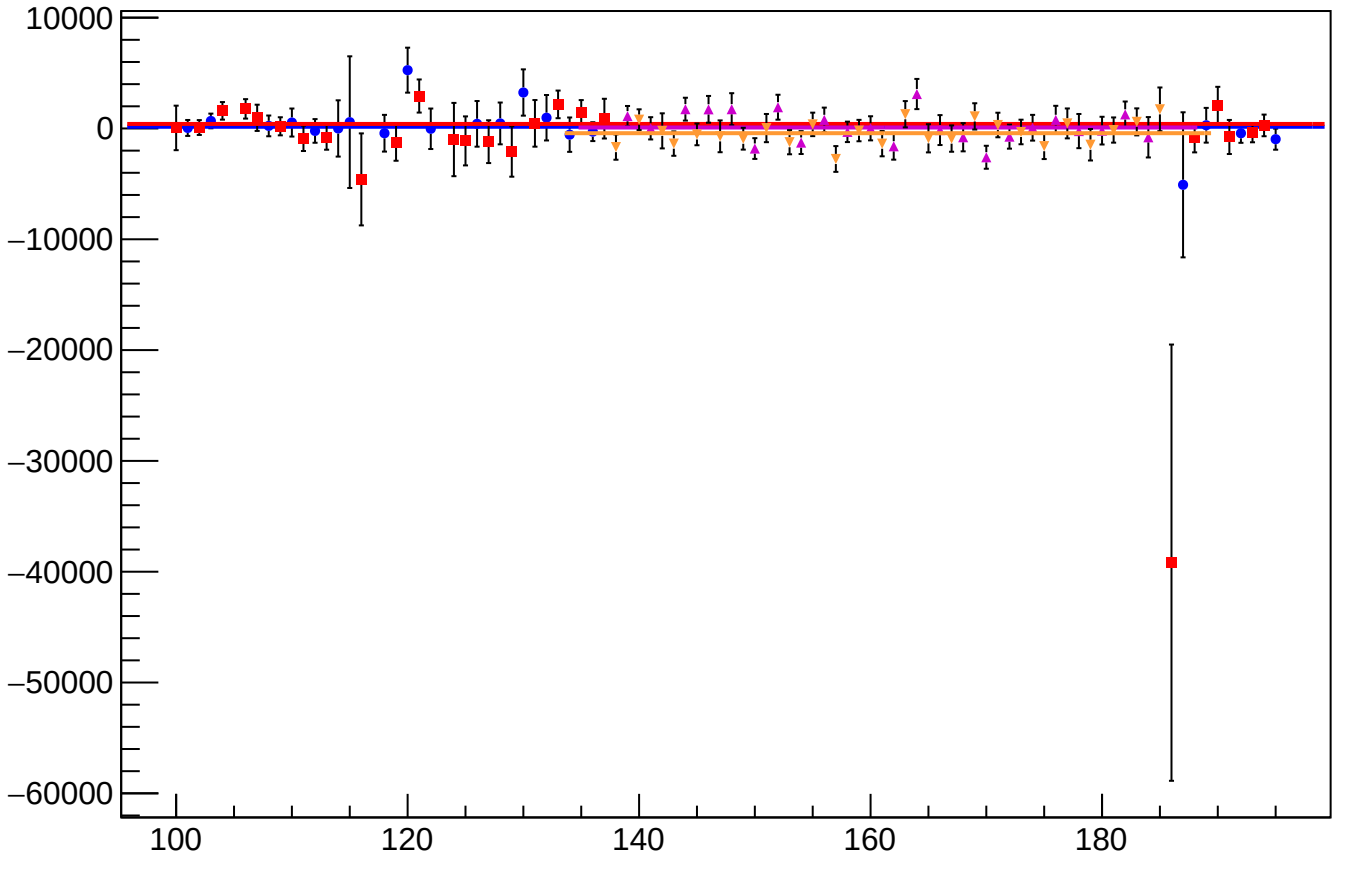
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 117.846+/-0.019 χ^2/NDF: 3603184.1/44

In: 145.450+/-0.020 χ^2/NDF:3557515.1/42

Out: 140.922+/-0.019 χ^2/NDF:5055889.3/49

All: 143.050+/-0.014 χ^2/NDF: 8640357.7/92



Right In: 153.953+/-271.089 χ^2/NDF: 12.7/19

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 408.510+/-245.332 χ^2/NDF: 26.0/24

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

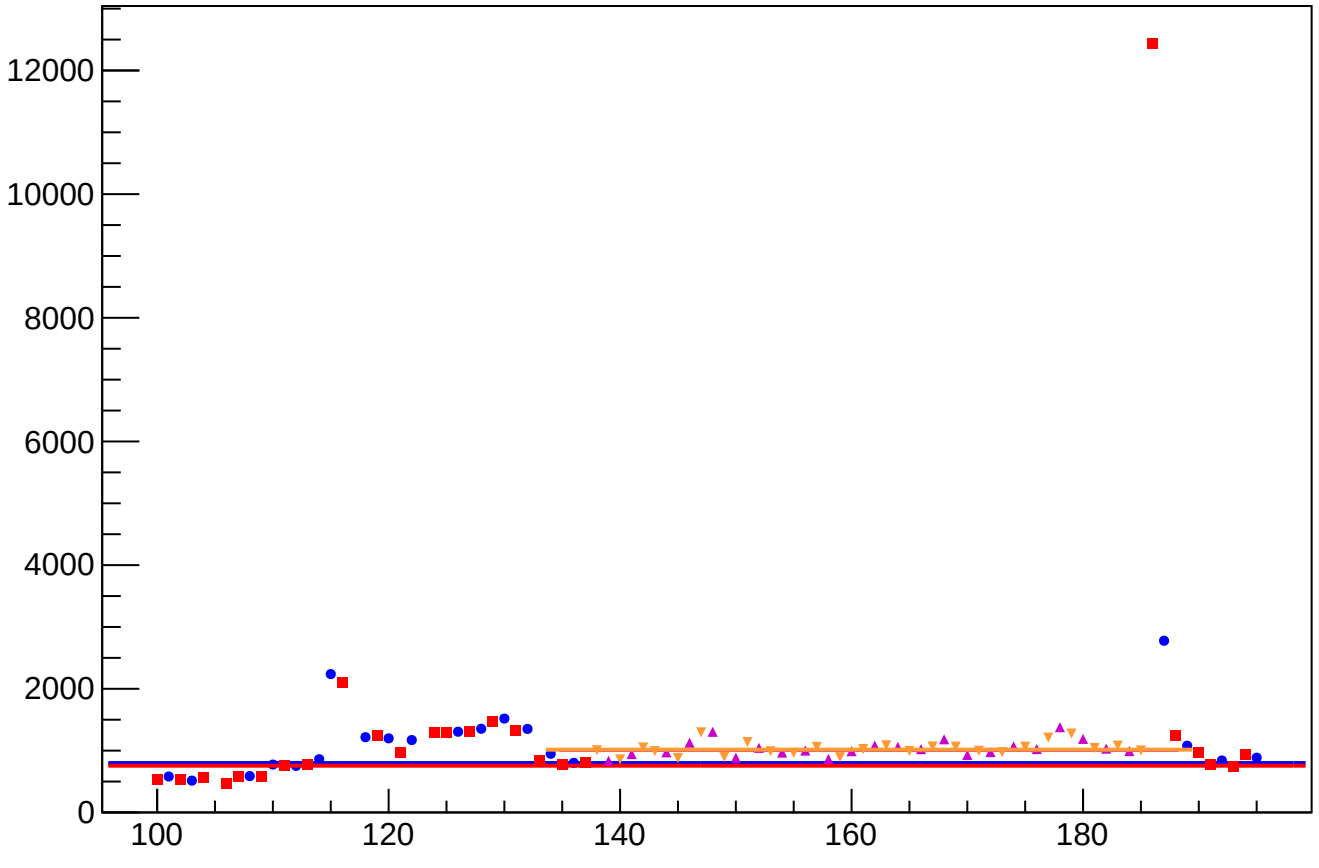
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 293.896+/-181.902 χ^2/NDF: 39.2/44

In: 115.874+/-178.918 χ^2/NDF:45.2/42

Out: -30.935+/-168.780 χ^2/NDF:50.5/49

All: 38.193+/-122.773 χ^2/NDF: 96.0/92



Right In: 798.742+/-0.192 χ^2/NDF: 2026474.3/19

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 756.329+/-0.173 χ^2/NDF: 2891213.0/24

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

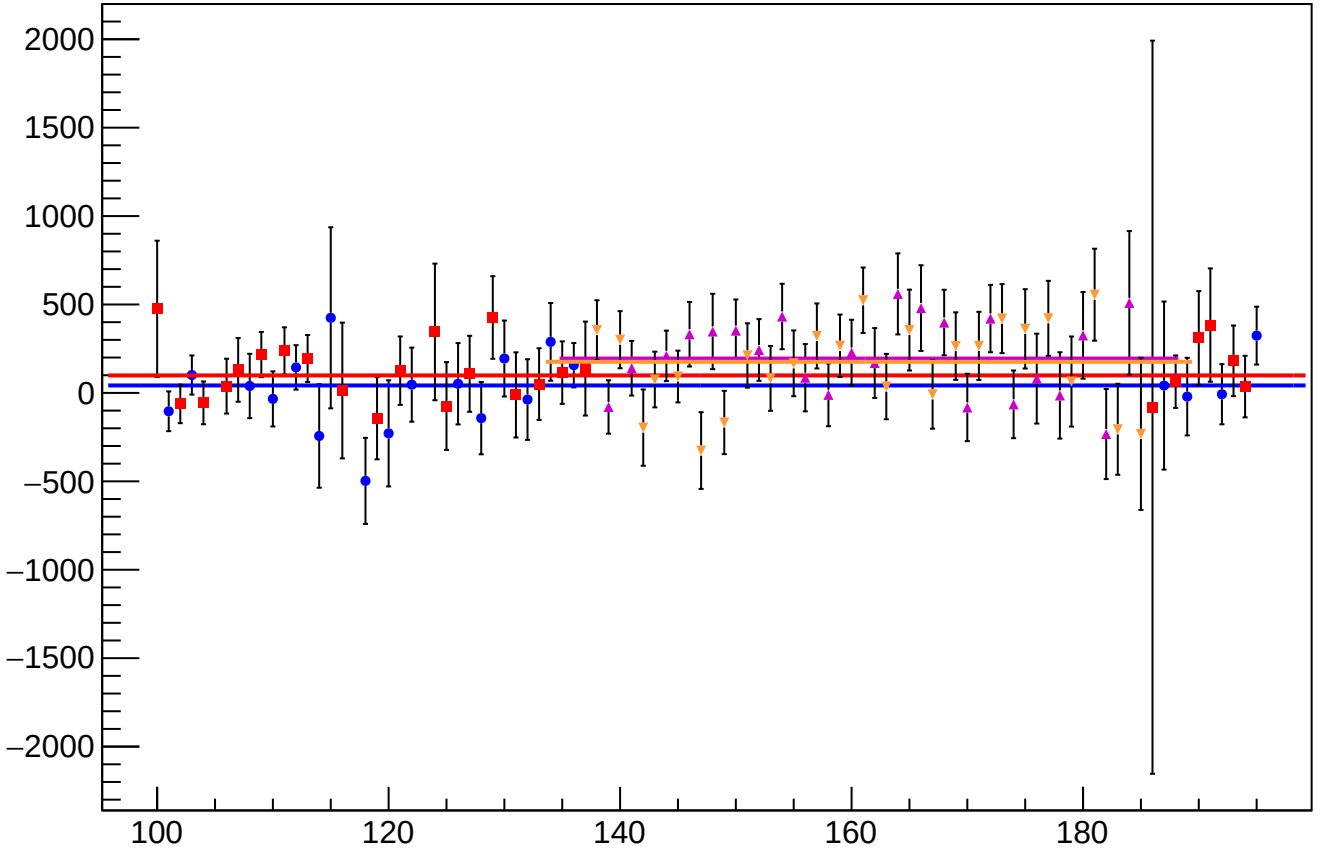
Right: 775.425+/-0.129 χ^2/NDF: 4944601.6/44

In: 917.792+/-0.127 χ^2/NDF:3208654.6/42

Out: 892.596+/-0.119 χ^2/NDF:4460677.2/49

All: 904.460+/-0.087 χ^2/NDF: 7690317.6/92

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 42.234+/-39.932 χ^2/NDF: 16.8/19

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 99.015+/-36.855 χ^2/NDF: 13.5/24

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

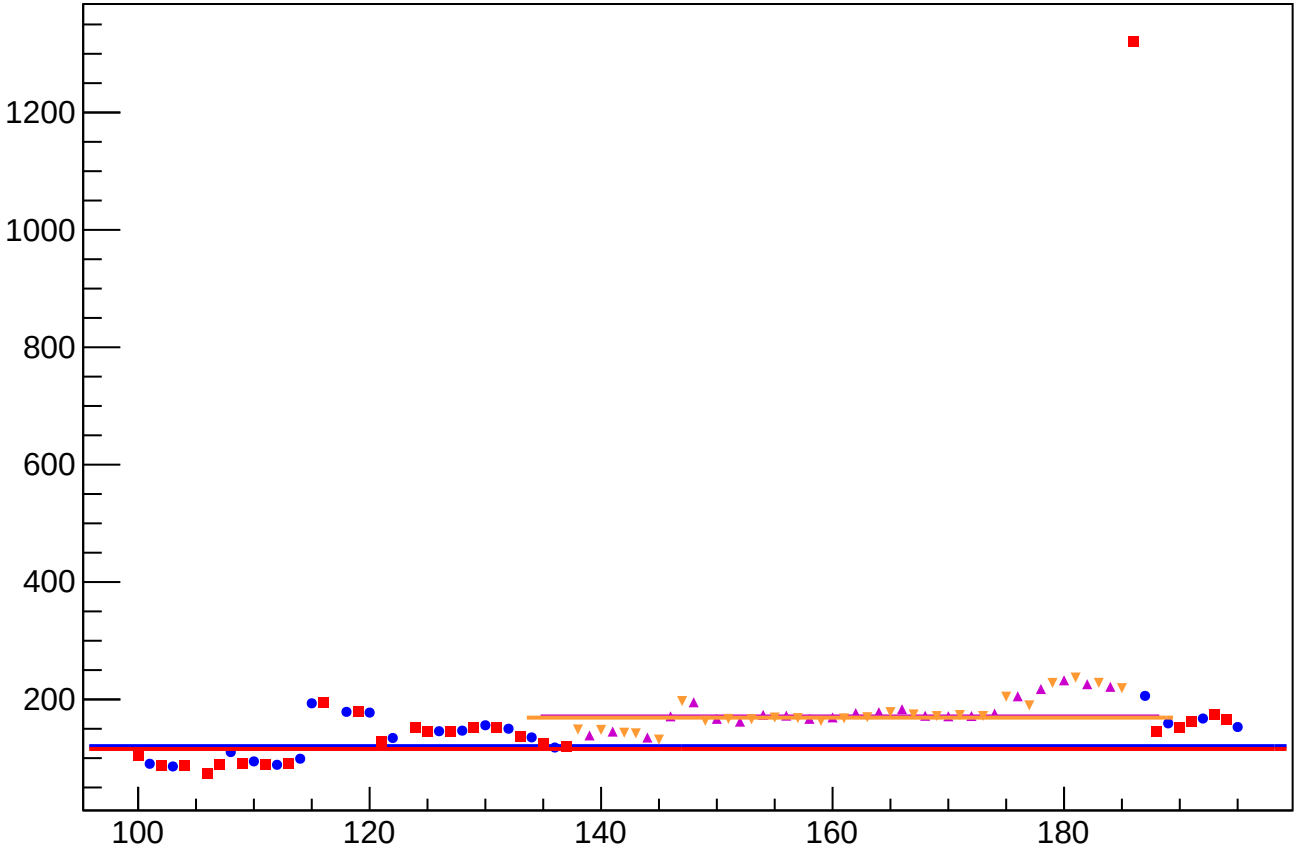
Right: 72.897+/-27.083 χ^2/NDF: 31.4/44

In: 117.424+/-28.394 χ^2/NDF:47.8/42

Out: 135.497+/-26.734 χ^2/NDF:46.4/49

All: 127.004+/-19.464 χ^2/NDF: 94.4/92

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 120.447+/-0.028 χ^2/NDF: 1293434.8/19

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 115.630+/-0.026 χ^2/NDF: 2294033.8/24

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

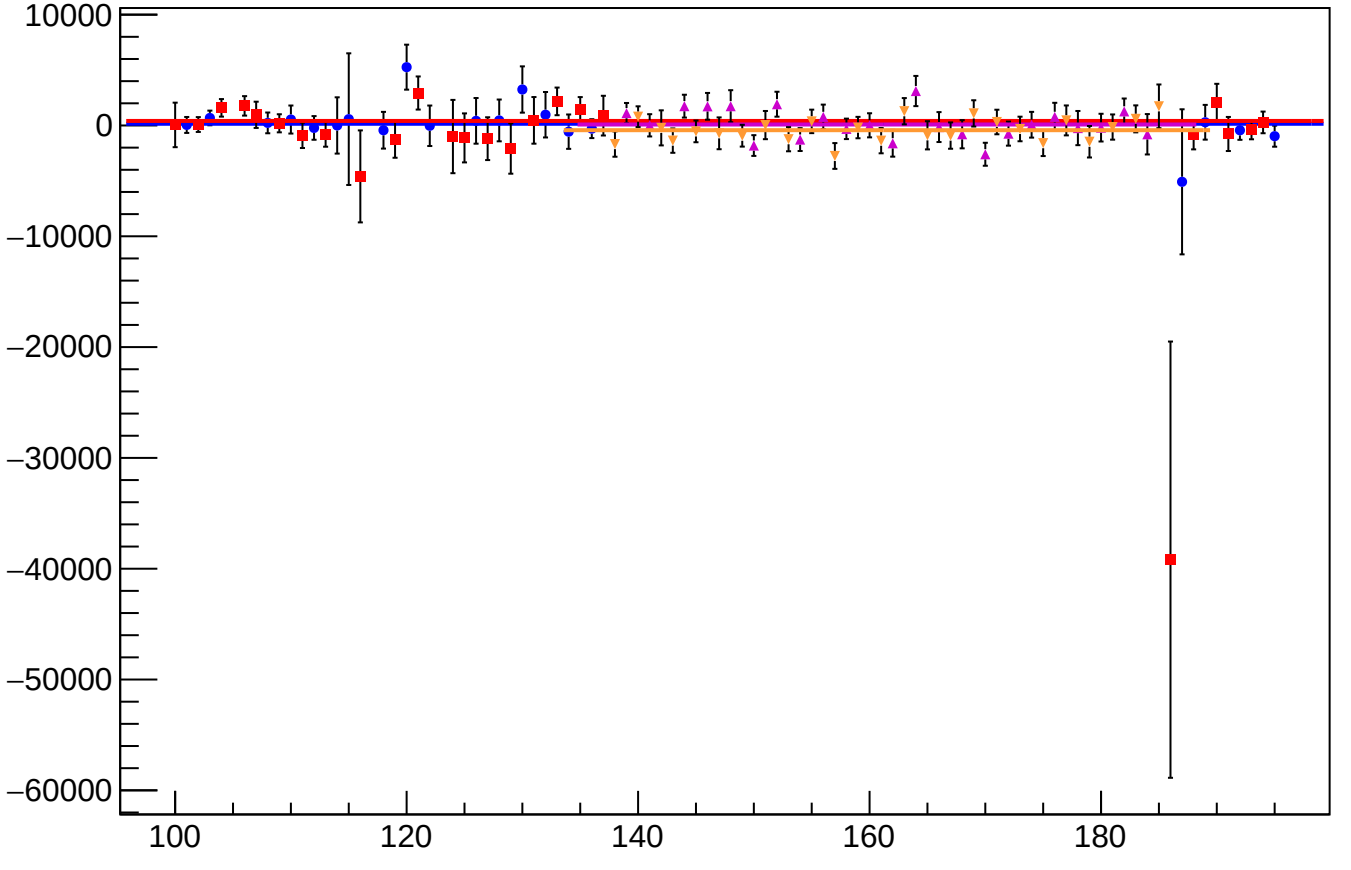
Right: 117.846+/-0.019 χ^2/NDF: 3603183.5/44

In: 145.450+/-0.020 χ^2/NDF:3557543.6/42

Out: 140.922+/-0.019 χ^2/NDF:5055898.6/49

All: 143.050+/-0.014 χ^2/NDF: 8640395.4/92

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 153.952+/-271.088 χ^2/NDF: 12.7/19

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 408.511+/-245.331 χ^2/NDF: 26.0/24

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

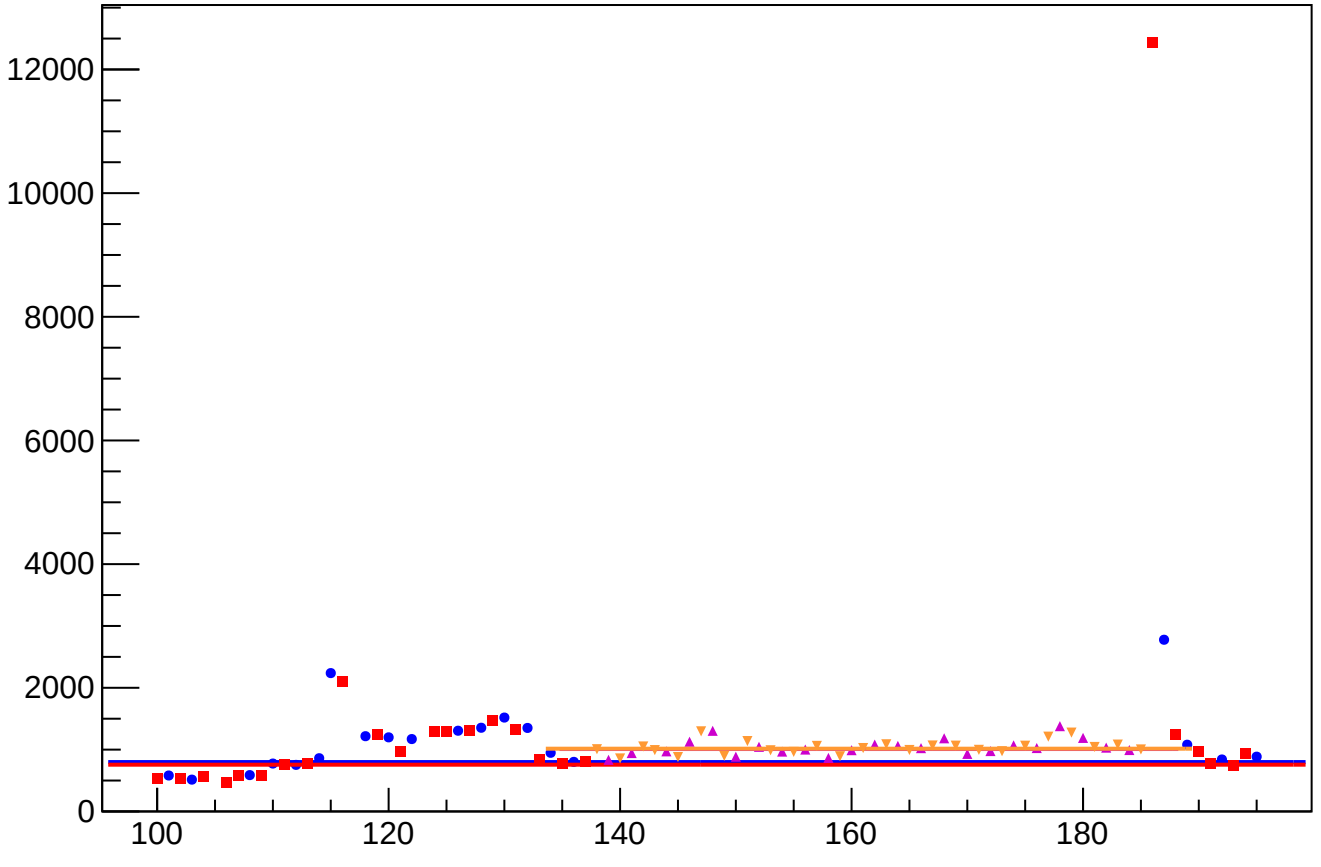
Right: 293.896+/-181.902 χ^2/NDF: 39.2/44

In: 115.874+/-178.918 χ^2/NDF:45.2/42

Out: -30.933+/-168.780 χ^2/NDF:50.5/49

All: 38.193+/-122.773 χ^2/NDF: 96.0/92

asym_sam5_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 798.741+/-0.192 χ^2/NDF: 2026473.9/19

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 756.328+/-0.173 χ^2/NDF: 2891214.6/24

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

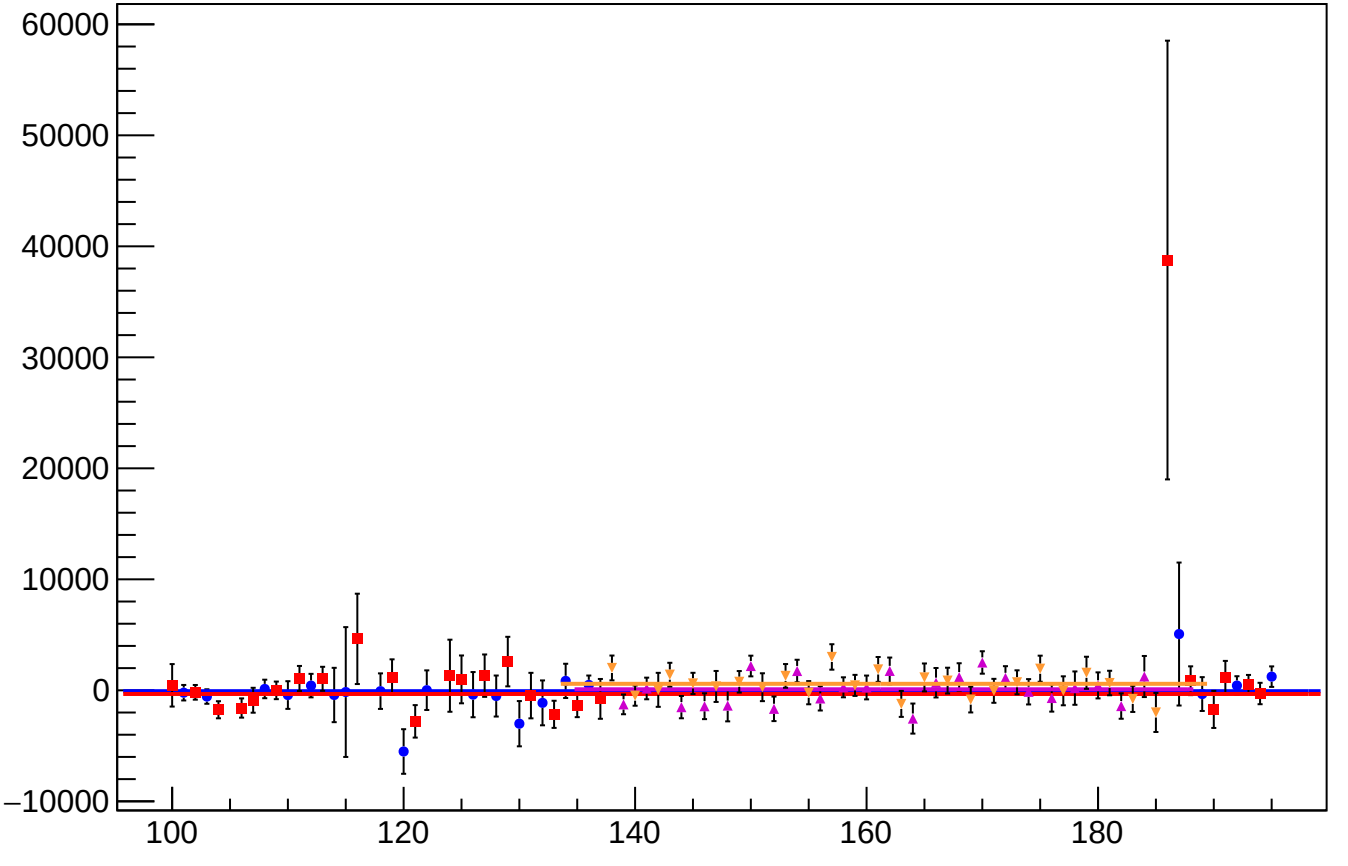
Right: 775.424+/-0.129 χ^2/NDF: 4944602.6/44

In: 917.792+/-0.127 χ^2/NDF:3208669.5/42

Out: 892.596+/-0.119 χ^2/NDF:4460693.8/49

All: 904.460+/-0.087 χ^2/NDF: 7690349.2/92

asym_sam5_mean vs Slug, Sign Corrected



Right In: -77.181+/-263.563 χ^2/NDF: 14.5/19

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -328.966+/-239.934 χ^2/NDF: 28.5/24

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

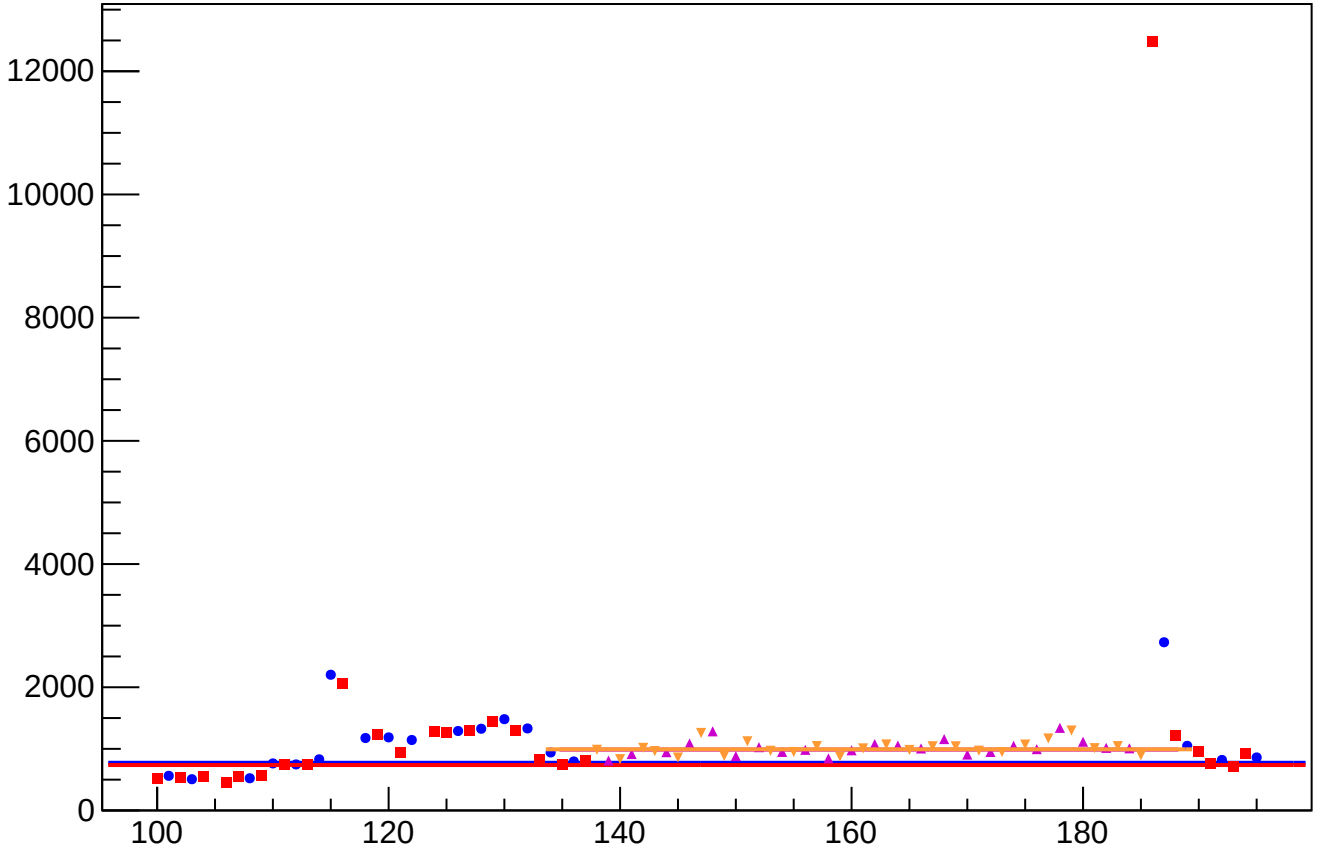
Right: -214.864+/-177.426 χ^2/NDF: 43.5/44

In: 18.162+/-174.574 χ^2/NDF:49.4/42

Out: 152.767+/-165.120 χ^2/NDF:56.9/49

All: 89.208+/-119.961 χ^2/NDF: 106.6/92

asym_sam5_rms vs Slug, Sign Corrected



Right In: 773.916+/-0.186 χ^2/NDF: 2114814.8/19

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 737.342+/-0.170 χ^2/NDF: 2950958.2/24

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

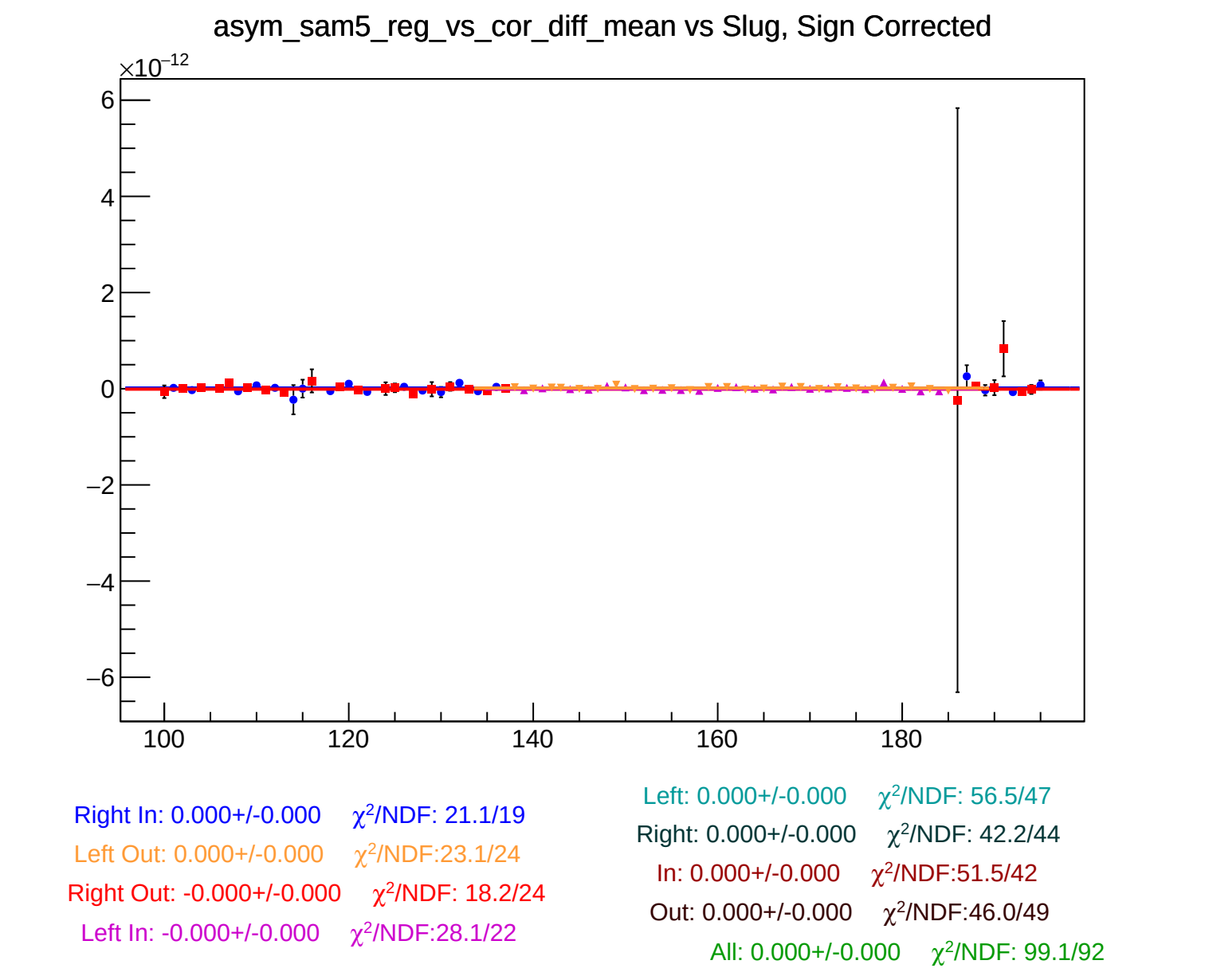
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

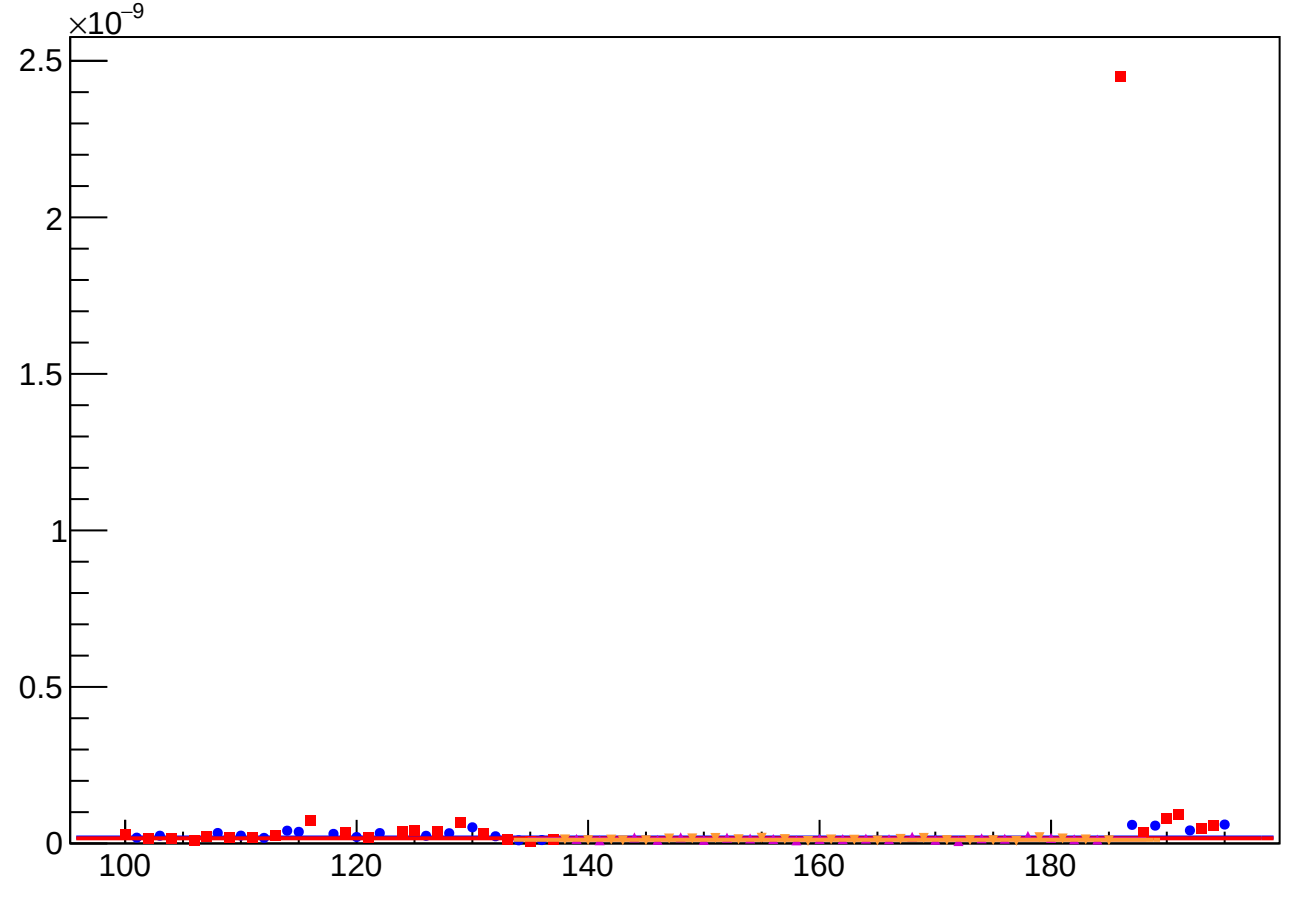
Right: 753.916+/-0.125 χ^2/NDF: 5086833.2/44

In: 893.955+/-0.123 χ^2/NDF:3341692.6/42

Out: 871.682+/-0.117 χ^2/NDF:4566945.9/49

All: 882.199+/-0.085 χ^2/NDF: 7925822.2/92


asym_sam5_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 21.1/19
Left Out: 0.000+/-0.000 χ²/NDF:23.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.2/24
Left In: -0.000+/-0.000 χ²/NDF:28.1/22
Left: 0.000+/-0.000 χ²/NDF: 56.5/47
Right: 0.000+/-0.000 χ²/NDF: 42.2/44
In: 0.000+/-0.000 χ²/NDF:51.5/42
Out: 0.000+/-0.000 χ²/NDF:46.0/49
All: 0.000+/-0.000 χ²/NDF: 99.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 2077395.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3450303.2/24

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

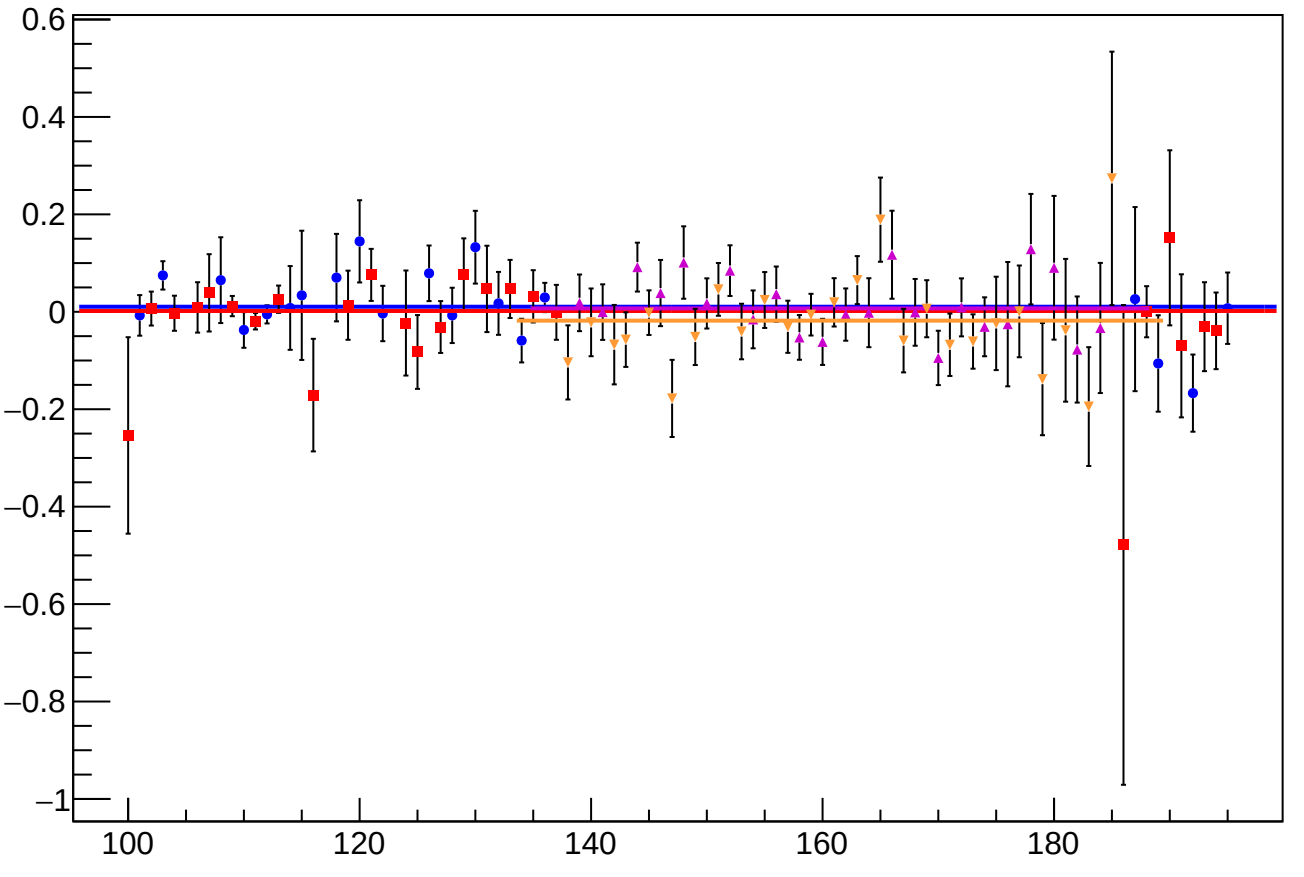
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5600444.3/44

In: 0.000+/-0.000 χ^2/NDF:3393504.5/42

Out: 0.000+/-0.000 χ^2/NDF:4637631.6/49

All: 0.000+/-0.000 χ^2/NDF: 8214630.1/92



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/19

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

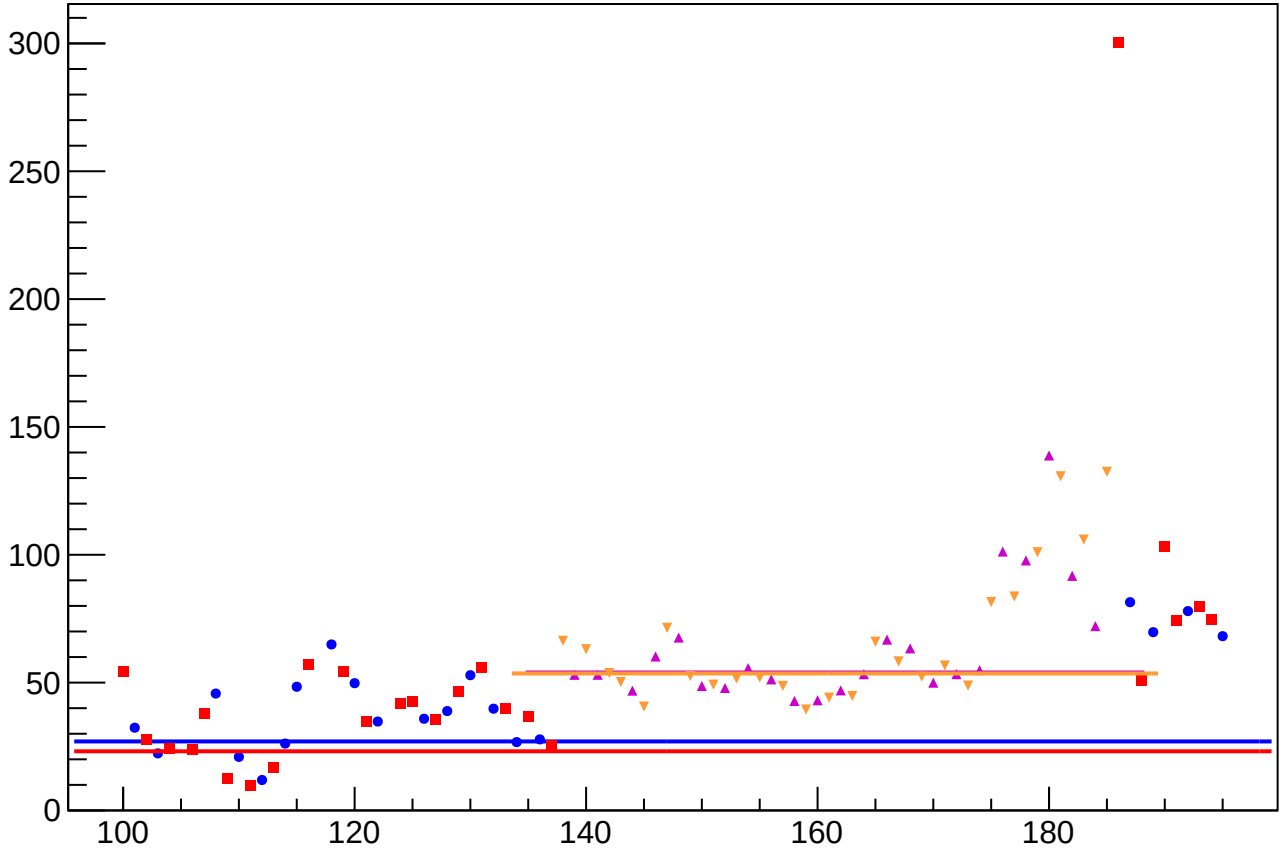
Right: 0.005+/-0.007 χ^2/NDF: 39.5/44

In: 0.009+/-0.008 χ^2/NDF:43.1/42

Out: -0.005+/-0.007 χ^2/NDF:40.7/49

All: 0.001+/-0.005 χ^2/NDF: 85.4/92

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.996+/-0.007 χ^2/NDF: 4588869.7/19

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 23.138+/-0.006 χ^2/NDF: 7203426.6/24

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

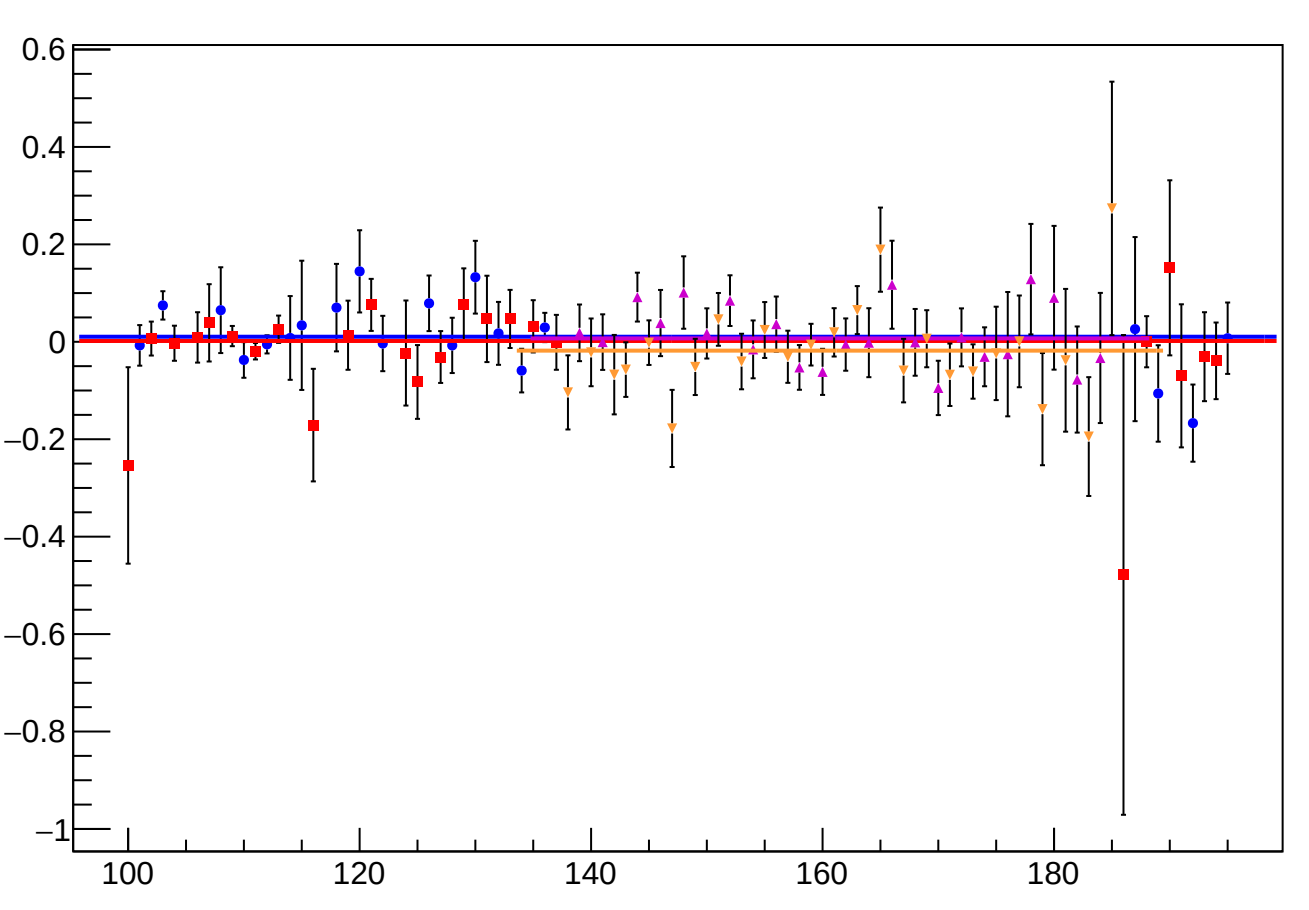
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 24.796+/-0.005 χ^2/NDF: 11951889.2/44

In: 37.227+/-0.006 χ^2/NDF:11813116.0/42

Out: 33.139+/-0.005 χ^2/NDF:17442216.3/49

All: 34.975+/-0.004 χ^2/NDF: 29534150.0/92



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/19

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

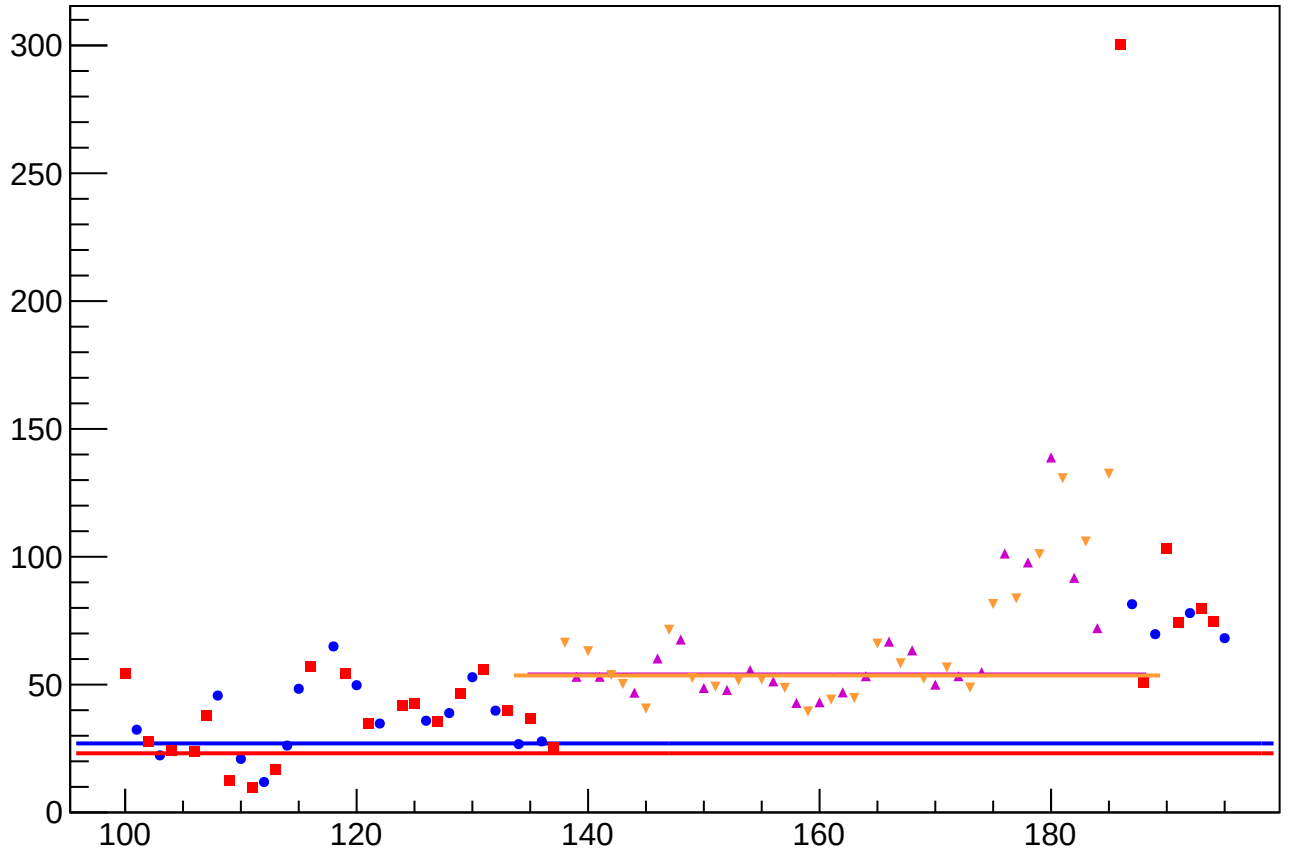
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.005+/-0.007 χ^2/NDF: 39.5/44

In: 0.009+/-0.008 χ^2/NDF:43.1/42

Out: -0.005+/-0.007 χ^2/NDF:40.7/49

All: 0.001+/-0.005 χ^2/NDF: 85.4/92



Right In: 26.996+/-0.007 χ^2/NDF: 4588869.7/19

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 23.138+/-0.006 χ^2/NDF: 7203426.6/24

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

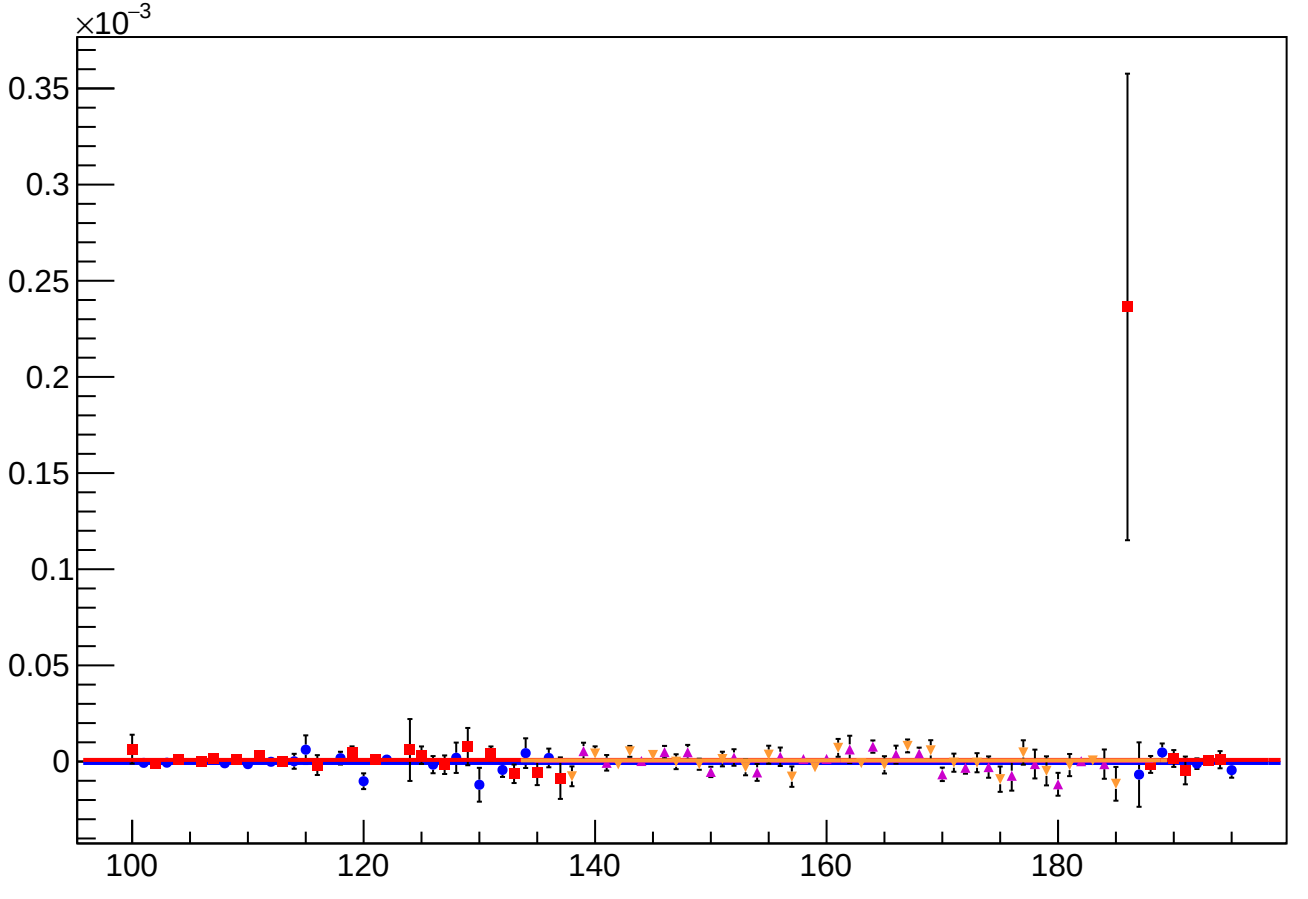
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 24.796+/-0.005 χ^2/NDF: 11951889.2/44

In: 37.227+/-0.006 χ^2/NDF:11813116.0/42

Out: 33.139+/-0.005 χ^2/NDF:17442216.3/49

All: 34.975+/-0.004 χ^2/NDF: 29534150.0/92



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/24

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

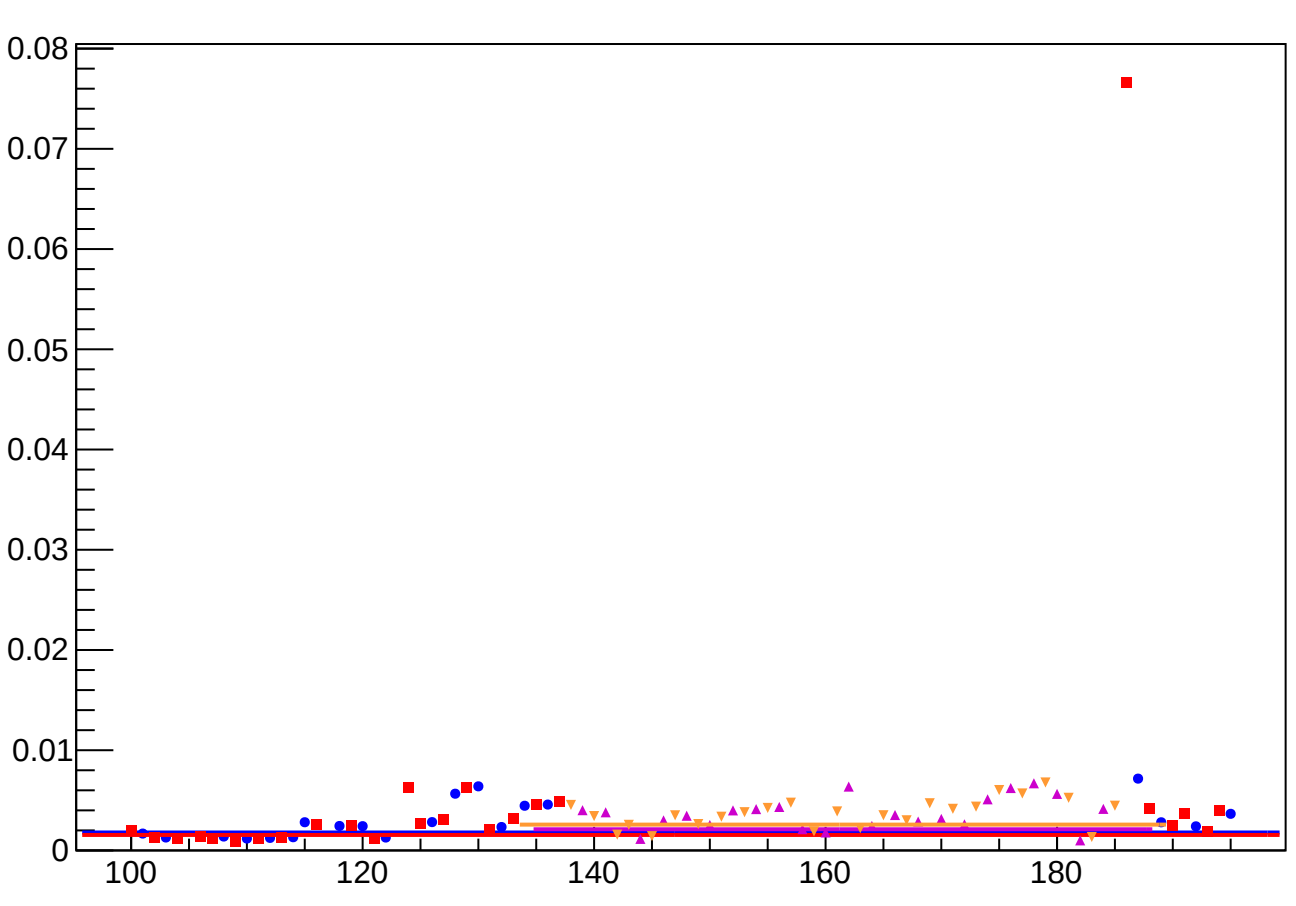
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 33.6/44

In: -0.000+/-0.000 χ^2/NDF:46.2/42

Out: 0.000+/-0.000 χ^2/NDF:47.6/49

All: 0.000+/-0.000 χ^2/NDF: 95.8/92



Right In: 0.002+/-0.000 χ^2/NDF: 3860109.4/19

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5449885.6/24

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

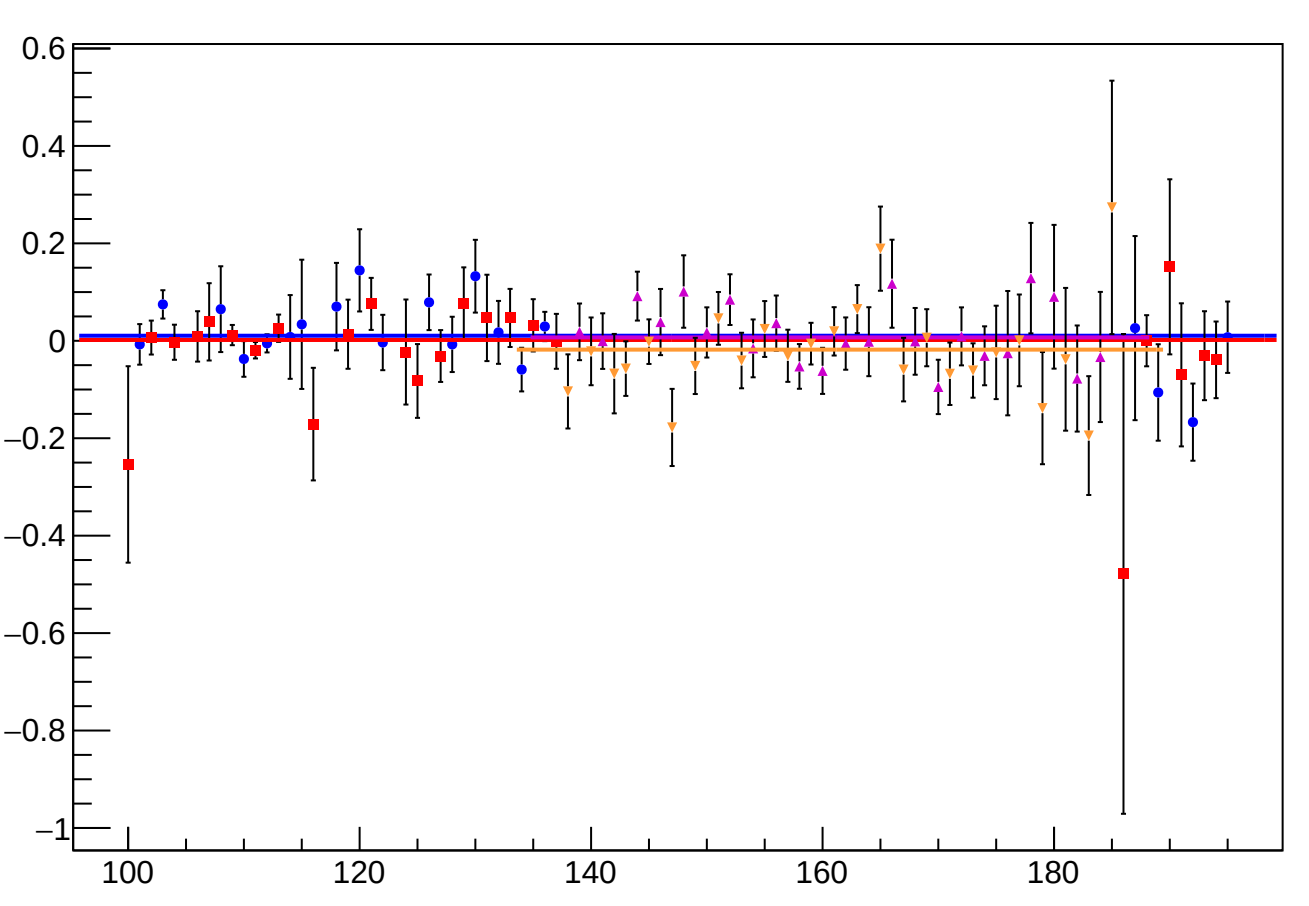
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 9470921.3/44

In: 0.002+/-0.000 χ^2/NDF:13612547.5/42

Out: 0.002+/-0.000 χ^2/NDF:15409512.9/49

All: 0.002+/-0.000 χ^2/NDF: 29022194.5/92



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/19

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

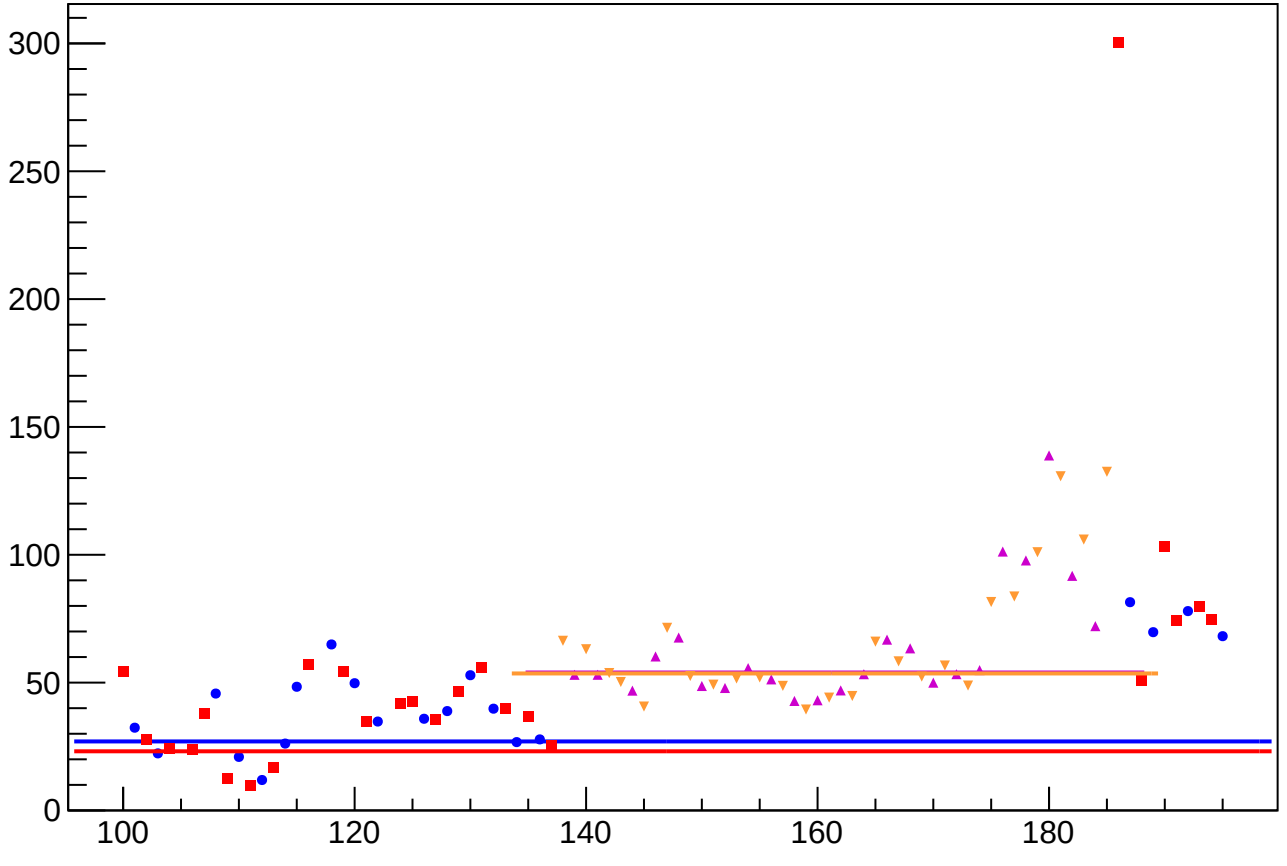
Right: 0.005+/-0.007 χ^2/NDF: 39.5/44

In: 0.009+/-0.008 χ^2/NDF:43.1/42

Out: -0.005+/-0.007 χ^2/NDF:40.7/49

All: 0.001+/-0.005 χ^2/NDF: 85.4/92

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.996+/-0.007 χ^2/NDF: 4588867.3/19

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 23.137+/-0.006 χ^2/NDF: 7203486.9/24

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

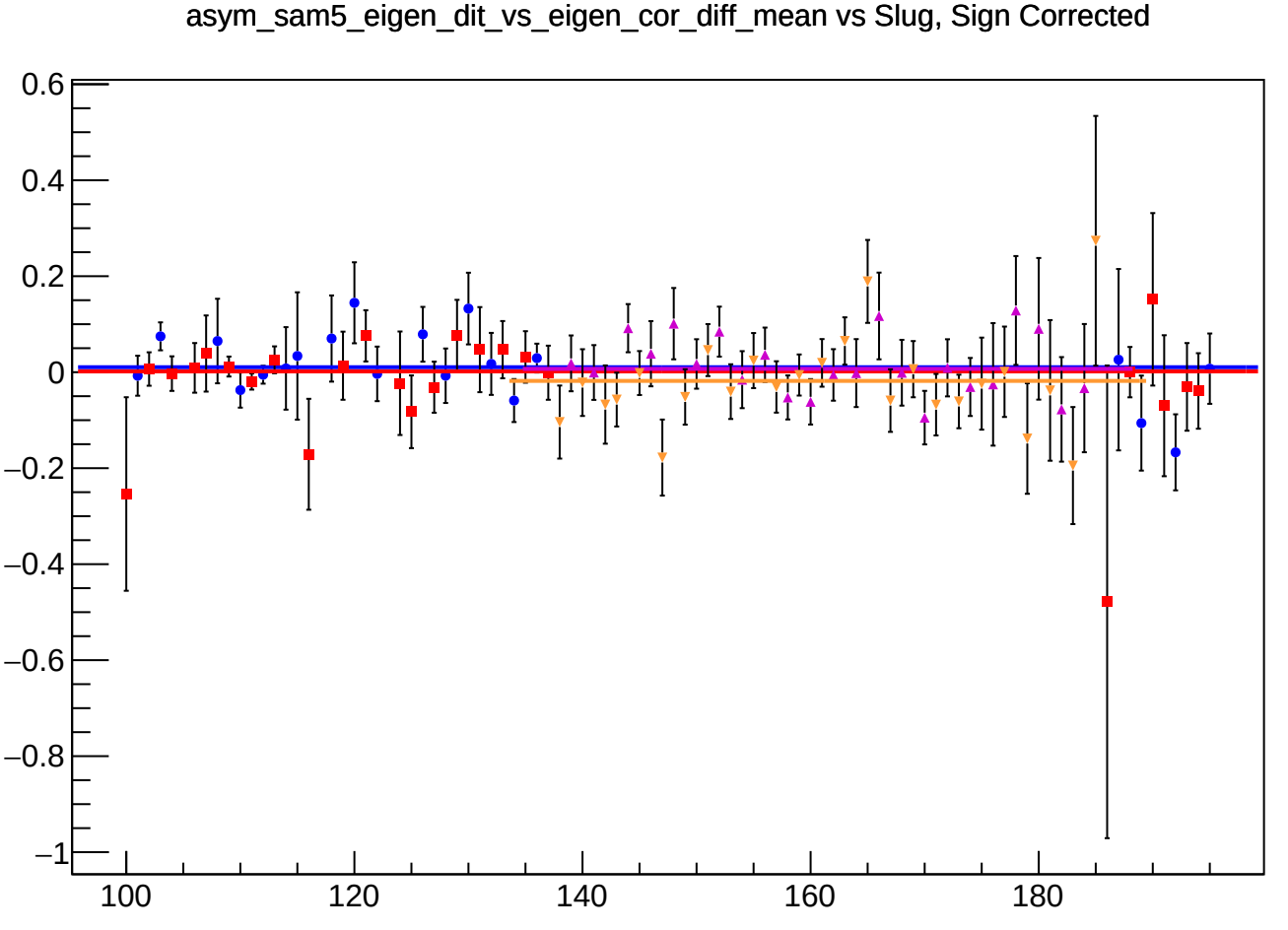
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 24.795+/-0.005 χ^2/NDF: 11951956.0/44

In: 37.227+/-0.006 χ^2/NDF:11813532.0/42

Out: 33.139+/-0.005 χ^2/NDF:17442807.9/49

All: 34.974+/-0.004 χ^2/NDF: 29535175.3/92



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/19

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

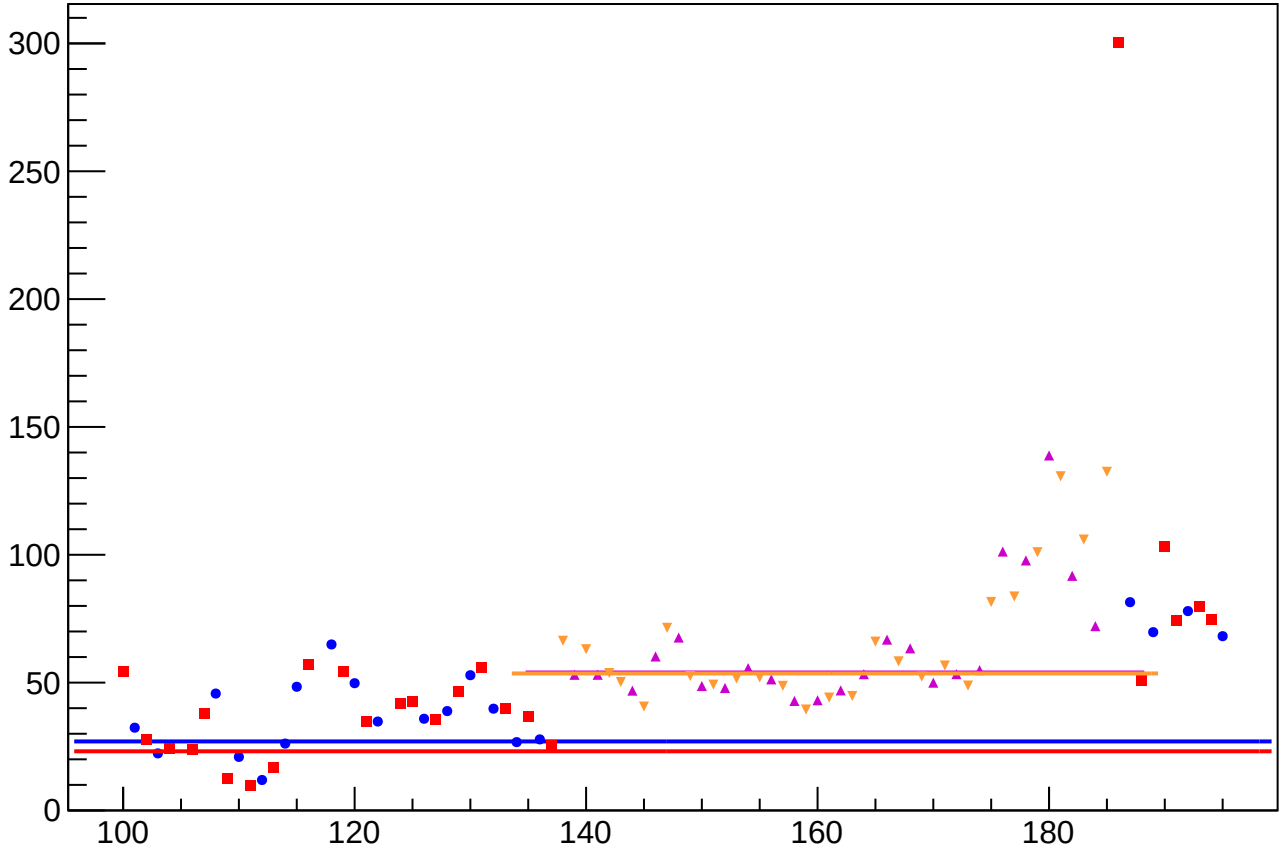
Right: 0.005+/-0.007 χ^2/NDF: 39.5/44

In: 0.009+/-0.008 χ^2/NDF:43.1/42

Out: -0.005+/-0.007 χ^2/NDF:40.7/49

All: 0.001+/-0.005 χ^2/NDF: 85.4/92

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.996+/-0.007 χ^2/NDF: 4588867.3/19

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 23.137+/-0.006 χ^2/NDF: 7203486.9/24

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

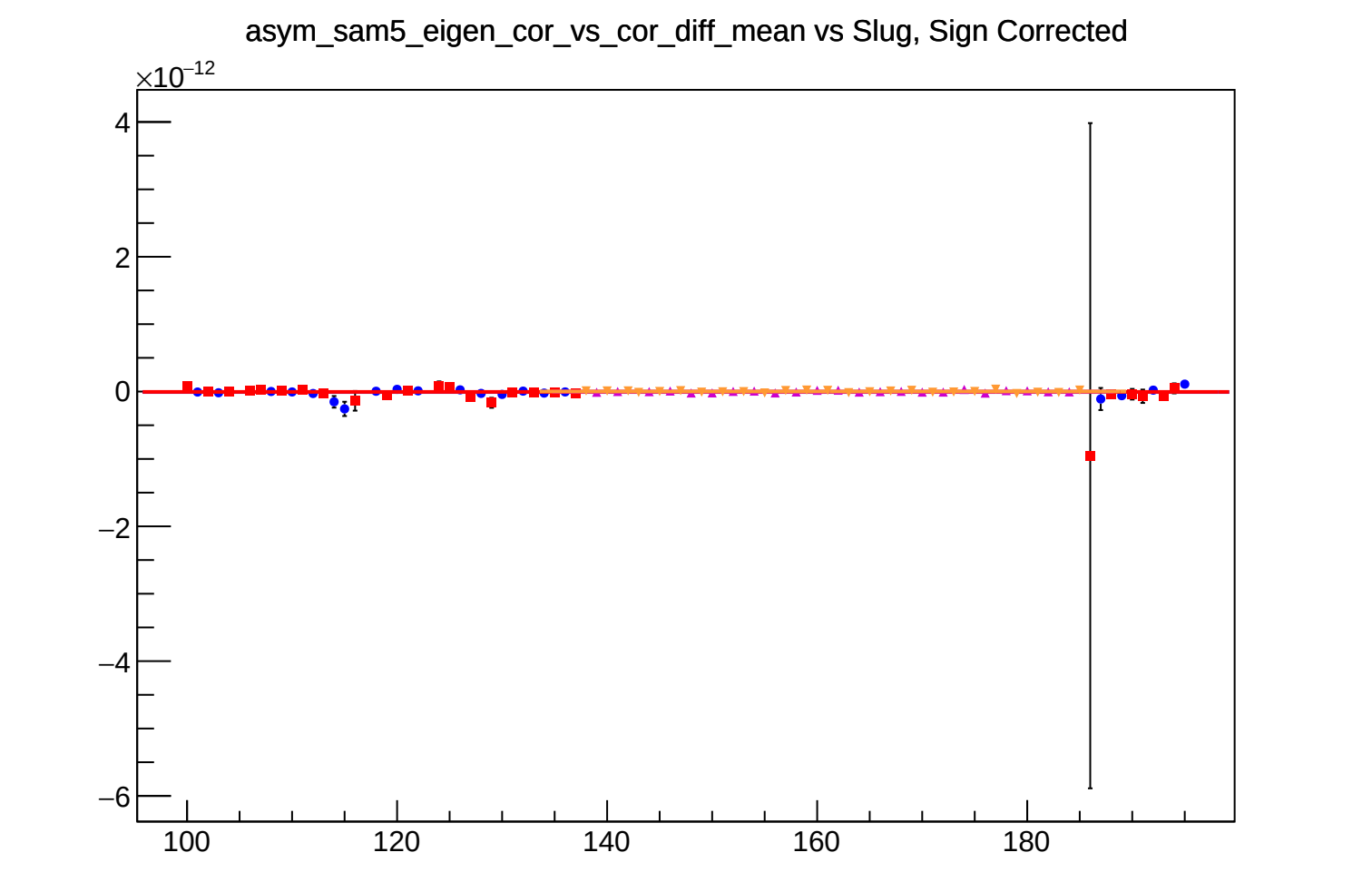
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 24.795+/-0.005 χ^2/NDF: 11951956.0/44

In: 37.227+/-0.006 χ^2/NDF:11813532.0/42

Out: 33.139+/-0.005 χ^2/NDF:17442807.9/49

All: 34.974+/-0.004 χ^2/NDF: 29535175.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/24

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

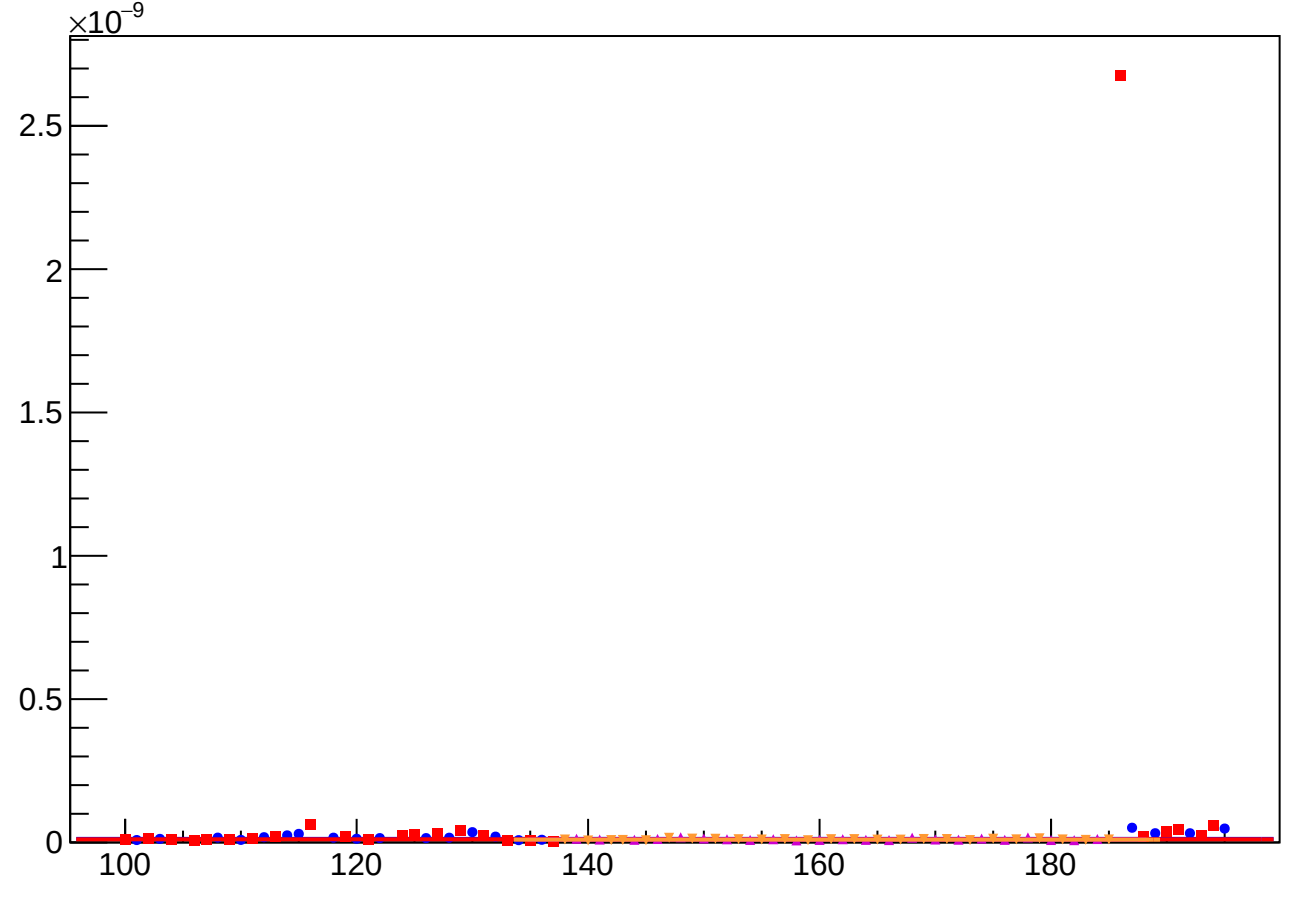
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 52.0/44

In: -0.000+/-0.000 χ^2/NDF:39.0/42

Out: -0.000+/-0.000 χ^2/NDF:60.9/49

All: -0.000+/-0.000 χ^2/NDF: 100.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 2690855.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5149121.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

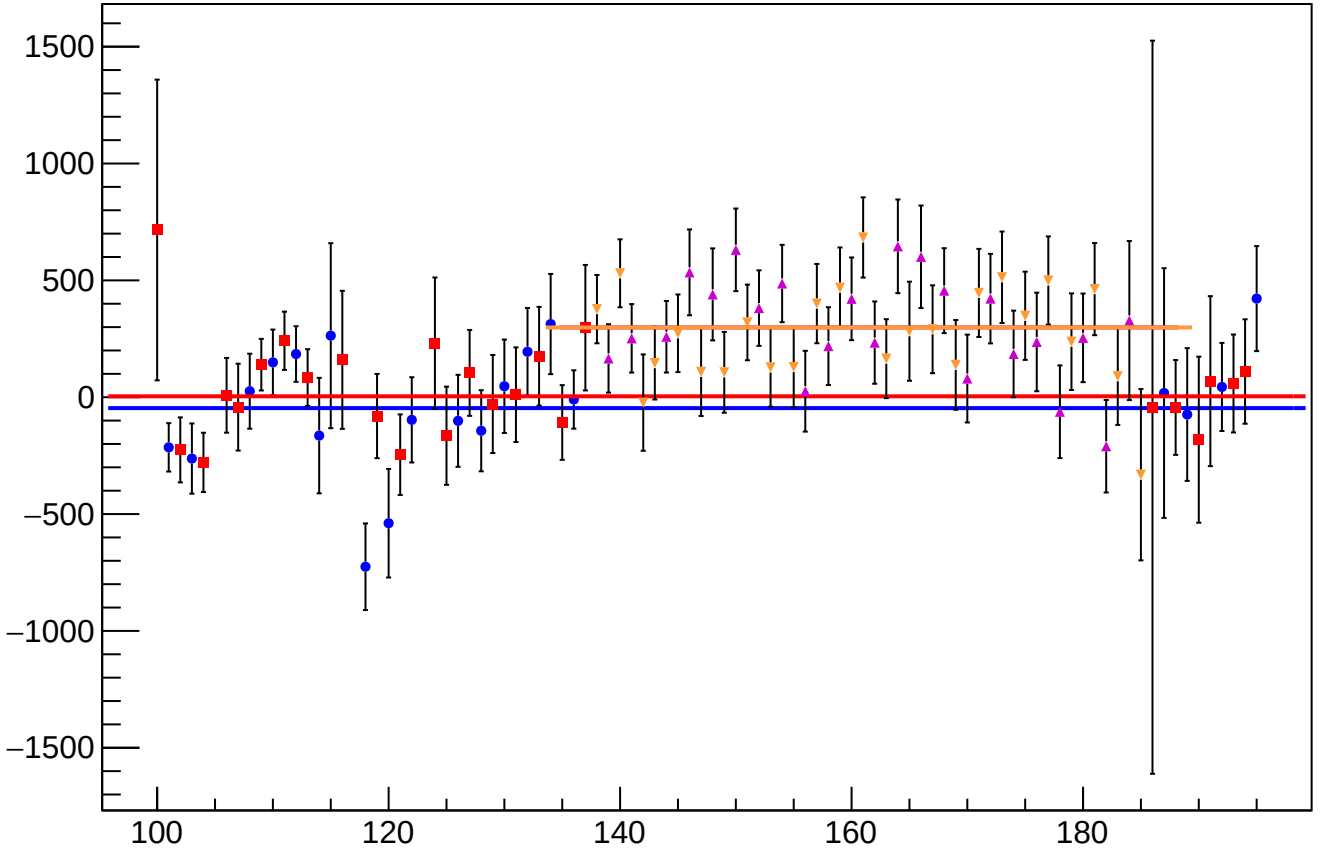
Right: 0.000+/-0.000 χ^2/NDF: 7918784.9/44

In: 0.000+/-0.000 χ^2/NDF:4253792.5/42

Out: 0.000+/-0.000 χ^2/NDF:6417708.2/49

All: 0.000+/-0.000 χ^2/NDF: 10722462.0/92

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -46.597+/-38.909 χ^2/NDF: 39.2/19

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 3.863+/-36.637 χ^2/NDF: 21.8/24

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

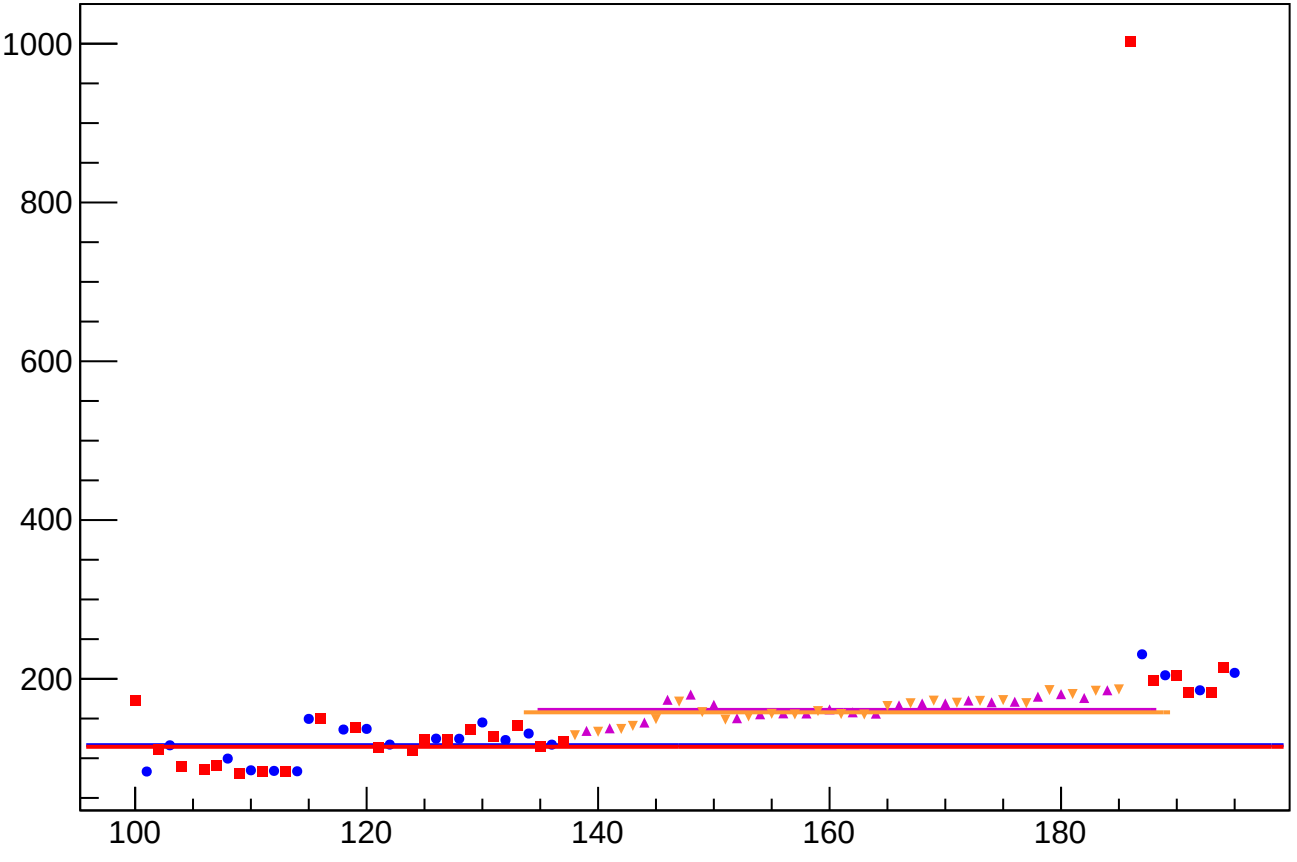
Right: -19.851+/-26.673 χ^2/NDF: 61.9/44

In: 131.362+/-27.085 χ^2/NDF:109.3/42

Out: 153.567+/-25.697 χ^2/NDF:80.6/49

All: 143.048+/-18.642 χ^2/NDF: 190.2/92

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 116.431+/-0.028 χ^2/NDF: 1507150.7/19

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 114.424+/-0.026 χ^2/NDF: 2571900.3/24

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

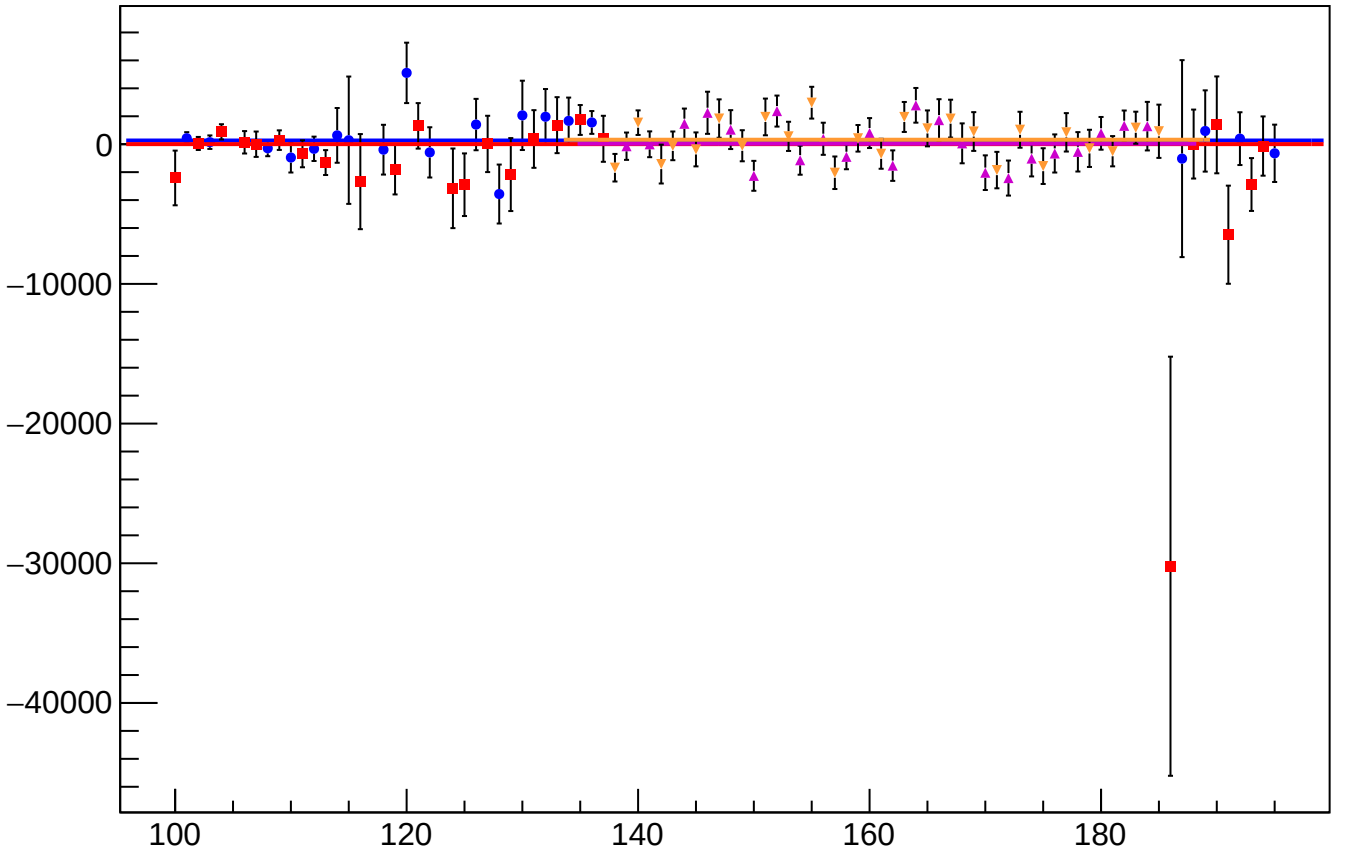
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 115.368+/-0.019 χ^2/NDF: 4081872.0/44

In: 139.338+/-0.019 χ^2/NDF:3120419.2/42

Out: 136.481+/-0.018 χ^2/NDF:4375789.3/49

All: 137.834+/-0.013 χ^2/NDF: 7507923.8/92



Right In: 264.817+/-226.740 χ^2/NDF: 16.8/19

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 5.555+/-227.102 χ^2/NDF: 26.1/24

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

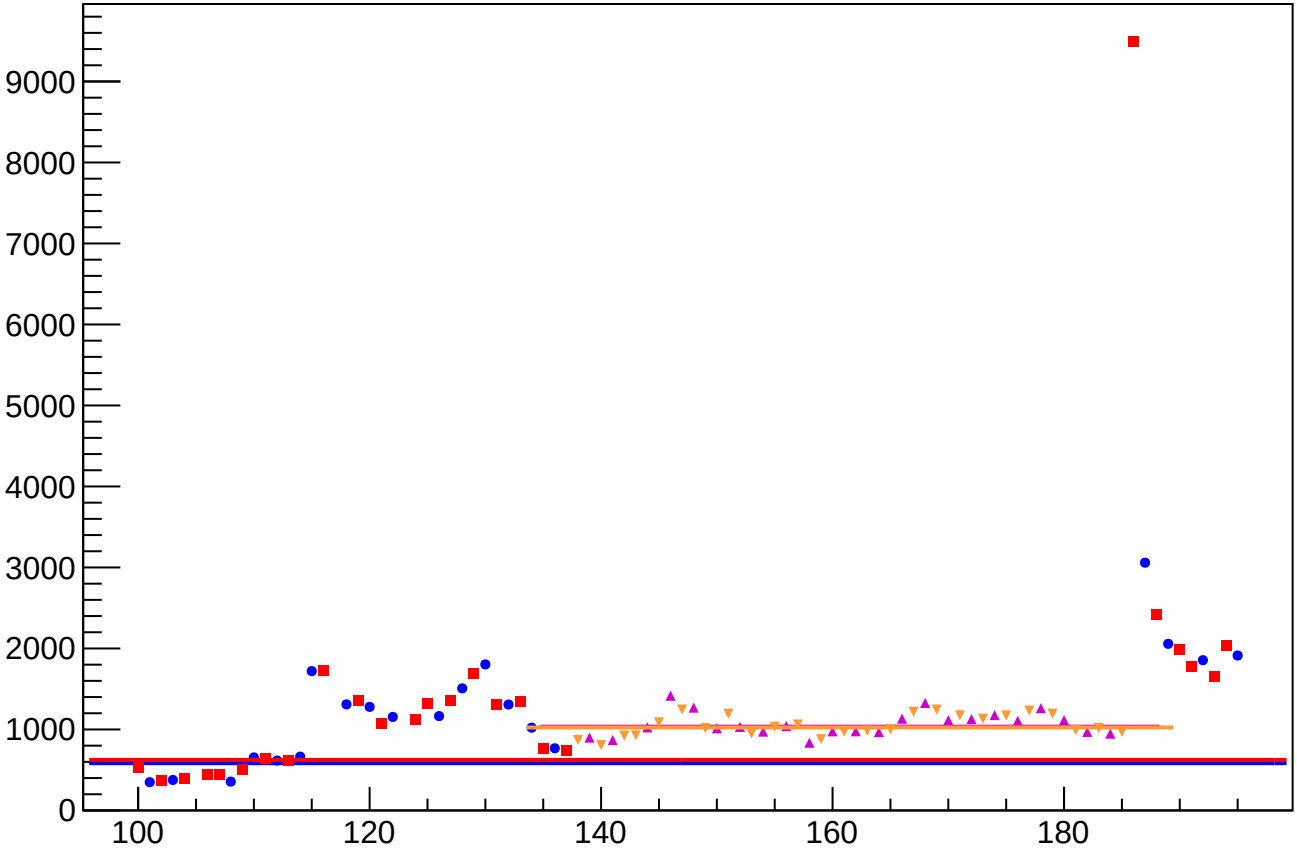
Right: 135.393+/-160.457 χ^2/NDF: 43.5/44

In: 160.340+/-166.146 χ^2/NDF:52.0/42

Out: 157.323+/-163.334 χ^2/NDF:59.5/49

All: 158.806+/-116.476 χ^2/NDF: 111.5/92

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 583.357+/-0.160 χ^2/NDF: 6223916.7/19

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 624.372+/-0.161 χ^2/NDF: 7004470.8/24

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

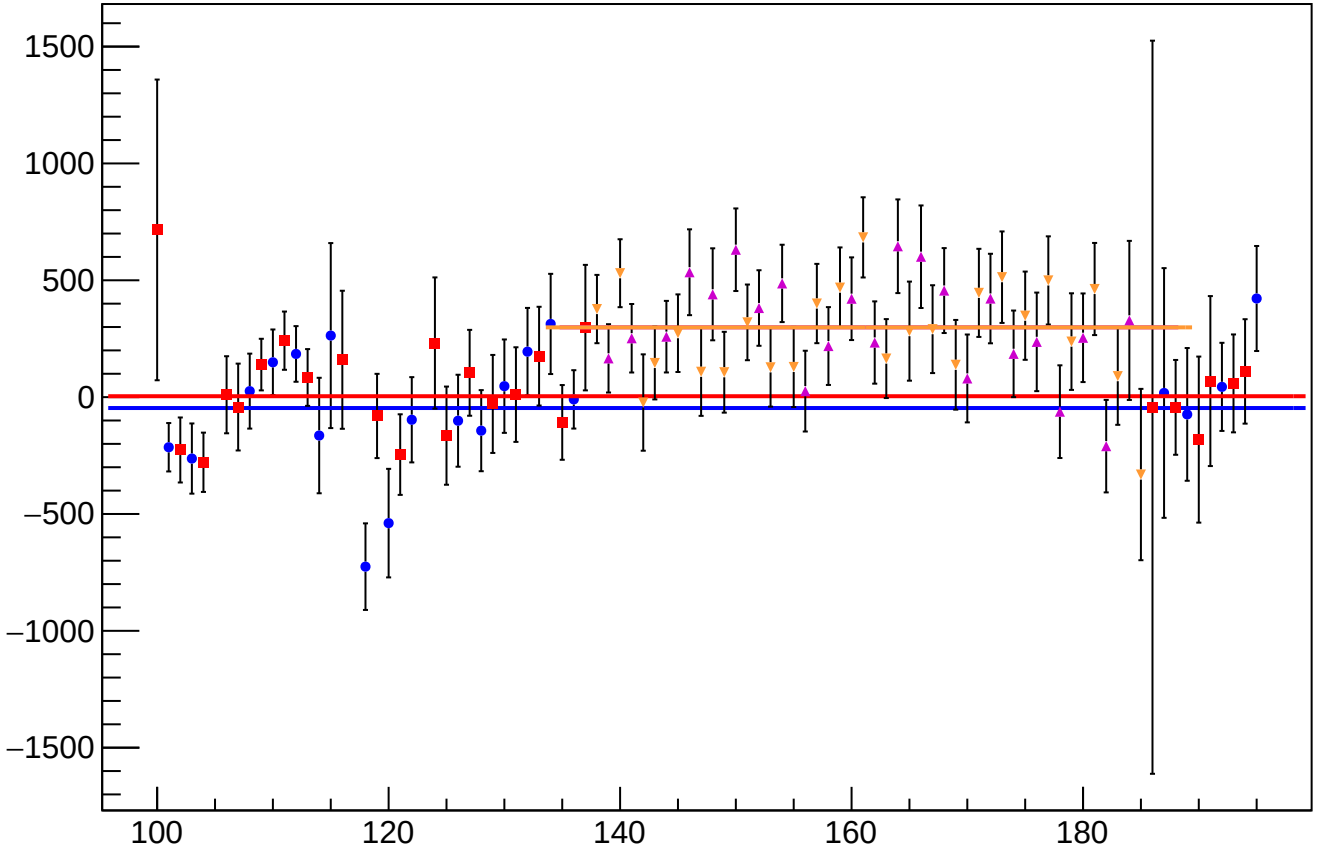
Right: 603.832+/-0.113 χ^2/NDF: 13261056.2/44

In: 792.233+/-0.117 χ^2/NDF:10517647.8/42

Out: 817.525+/-0.115 χ^2/NDF:10599046.7/49

All: 805.094+/-0.082 χ^2/NDF: 21140263.8/92

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -46.620+/-38.909 χ^2/NDF: 39.2/19

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 3.908+/-36.696 χ^2/NDF: 21.8/24

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

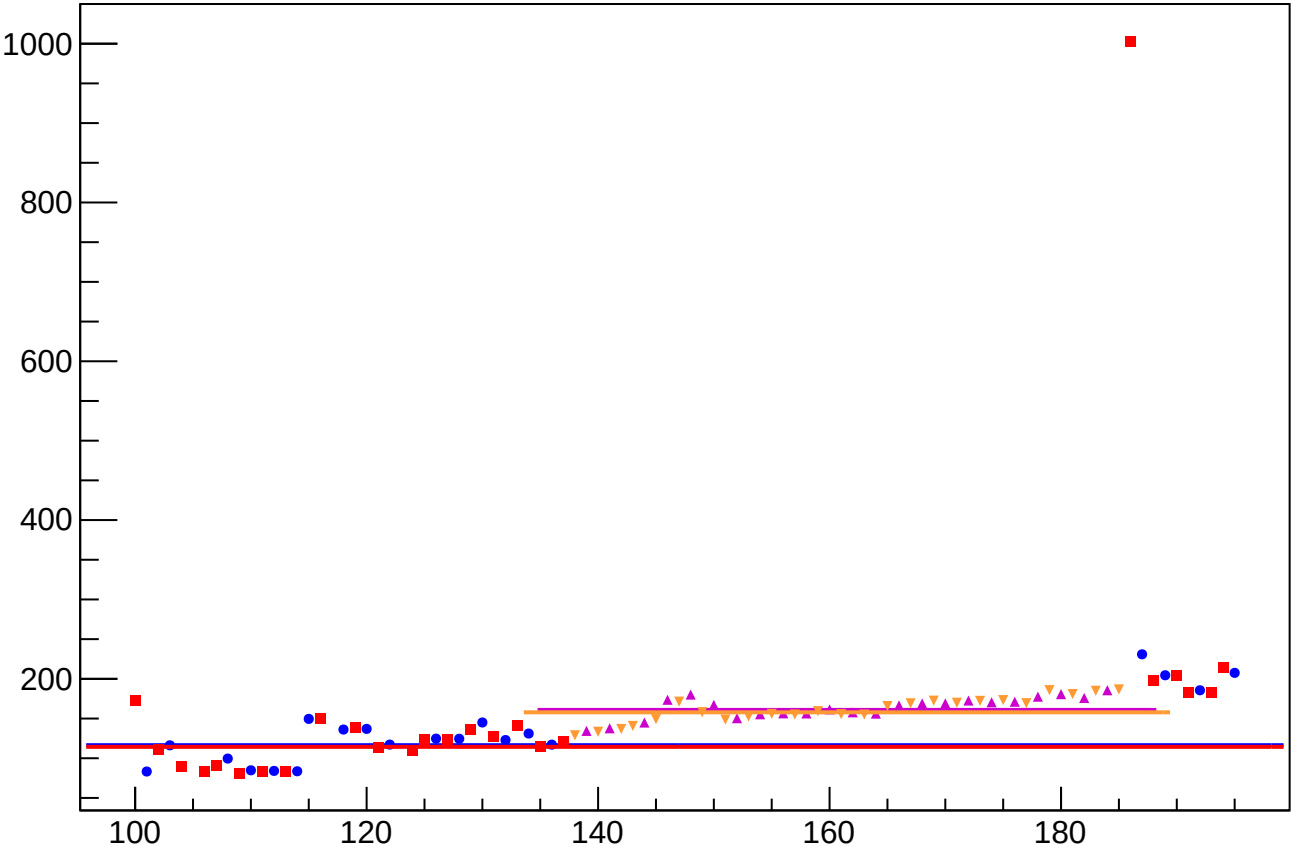
Right: -19.878+/-26.696 χ^2/NDF: 61.9/44

In: 131.355+/-27.085 χ^2/NDF:109.3/42

Out: 153.826+/-25.717 χ^2/NDF:80.6/49

All: 143.172+/-18.649 χ^2/NDF: 190.2/92

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 116.431+/-0.028 χ^2/NDF: 1507150.7/19

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 114.360+/-0.026 χ^2/NDF: 2581967.3/24

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

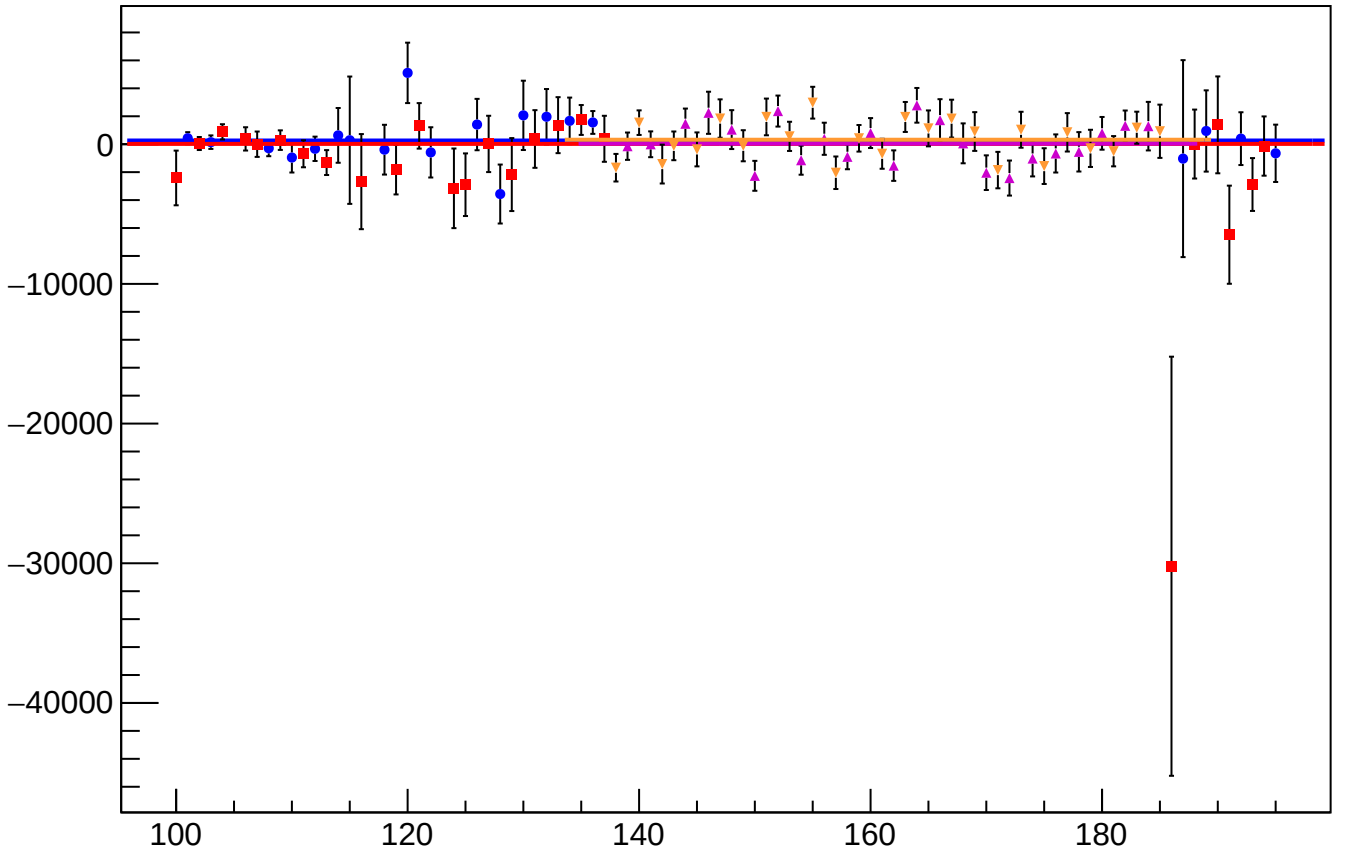
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 115.335+/-0.019 χ^2/NDF: 4092119.1/44

In: 139.338+/-0.019 χ^2/NDF:3120415.6/42

Out: 136.484+/-0.018 χ^2/NDF:4387778.5/49

All: 137.837+/-0.013 χ^2/NDF: 7519876.2/92



Right In: 264.954+/-226.733 χ^2/NDF: 16.8/19

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 22.152+/-227.689 χ^2/NDF: 26.3/24

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

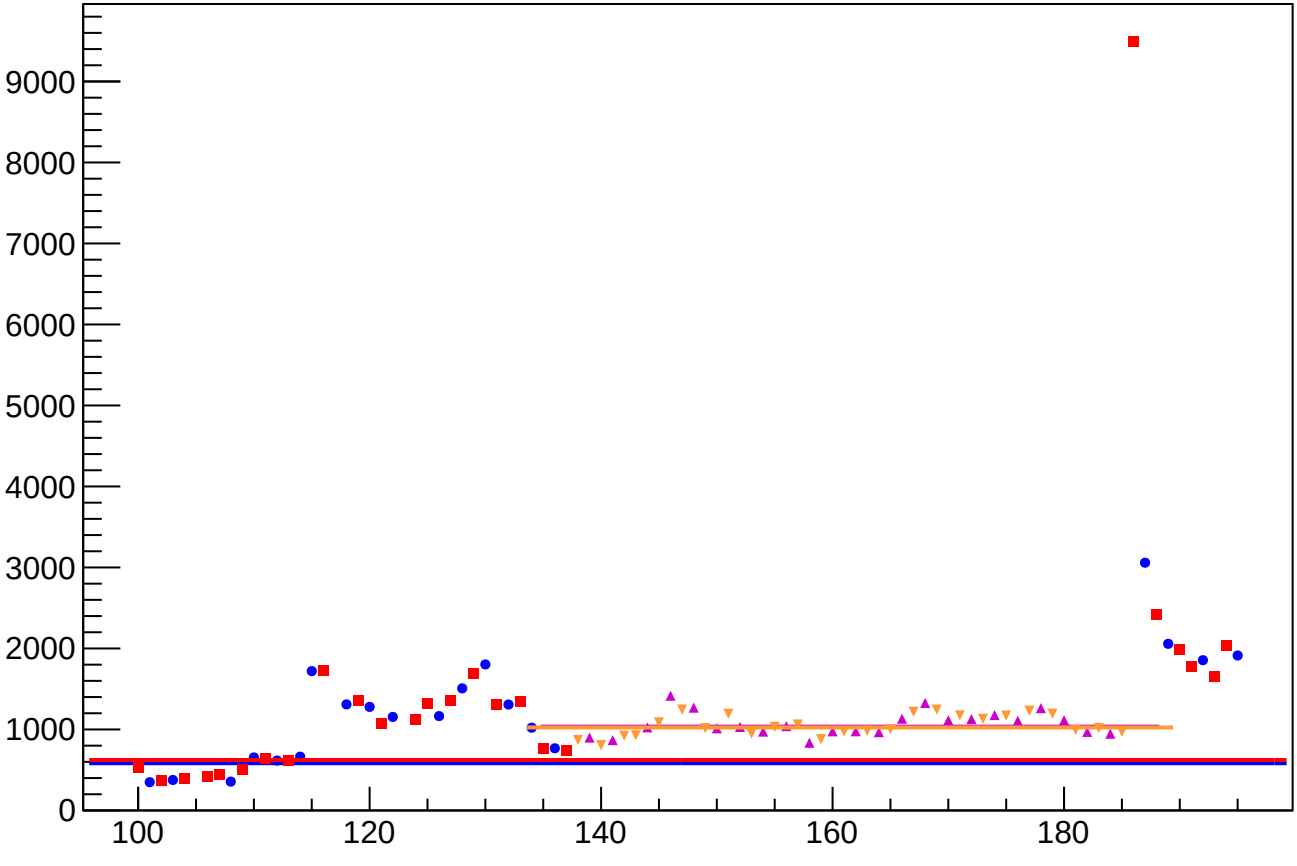
Right: 144.063+/-160.661 χ^2/NDF: 43.6/44

In: 160.417+/-166.143 χ^2/NDF:52.0/42

Out: 166.295+/-163.552 χ^2/NDF:59.6/49

All: 163.402+/-116.554 χ^2/NDF: 111.6/92

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 583.334+/-0.160 χ^2/NDF: 6224198.9/19

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 623.183+/-0.161 χ^2/NDF: 7030635.9/24

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

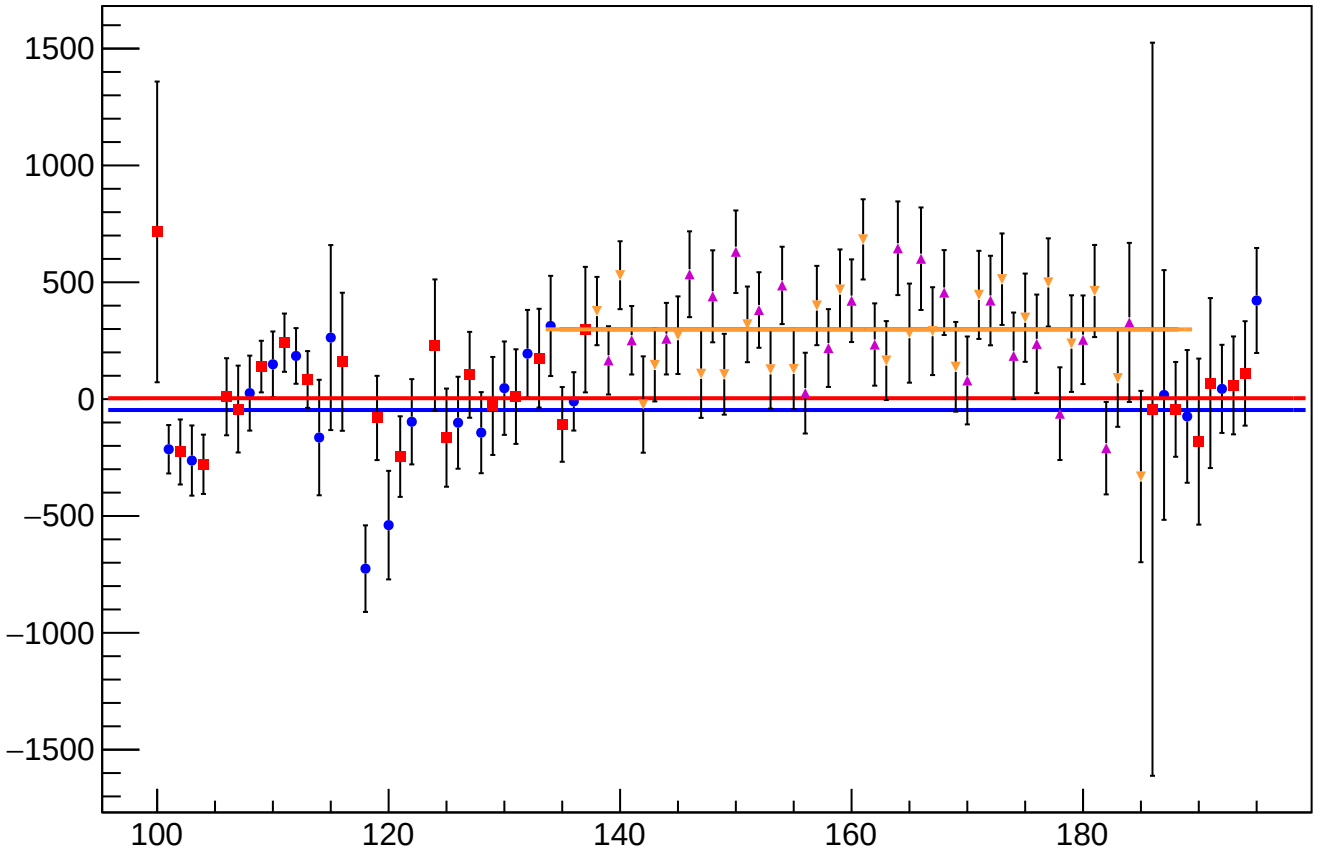
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 603.175+/-0.114 χ^2/NDF: 13285595.2/44

In: 792.213+/-0.117 χ^2/NDF:10518417.2/42

Out: 817.427+/-0.116 χ^2/NDF:10635540.5/49

All: 805.018+/-0.082 χ^2/NDF: 21177350.6/92



Right In: -46.620+/-38.909 χ^2/NDF: 39.2/19

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 3.908+/-36.696 χ^2/NDF: 21.8/24

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

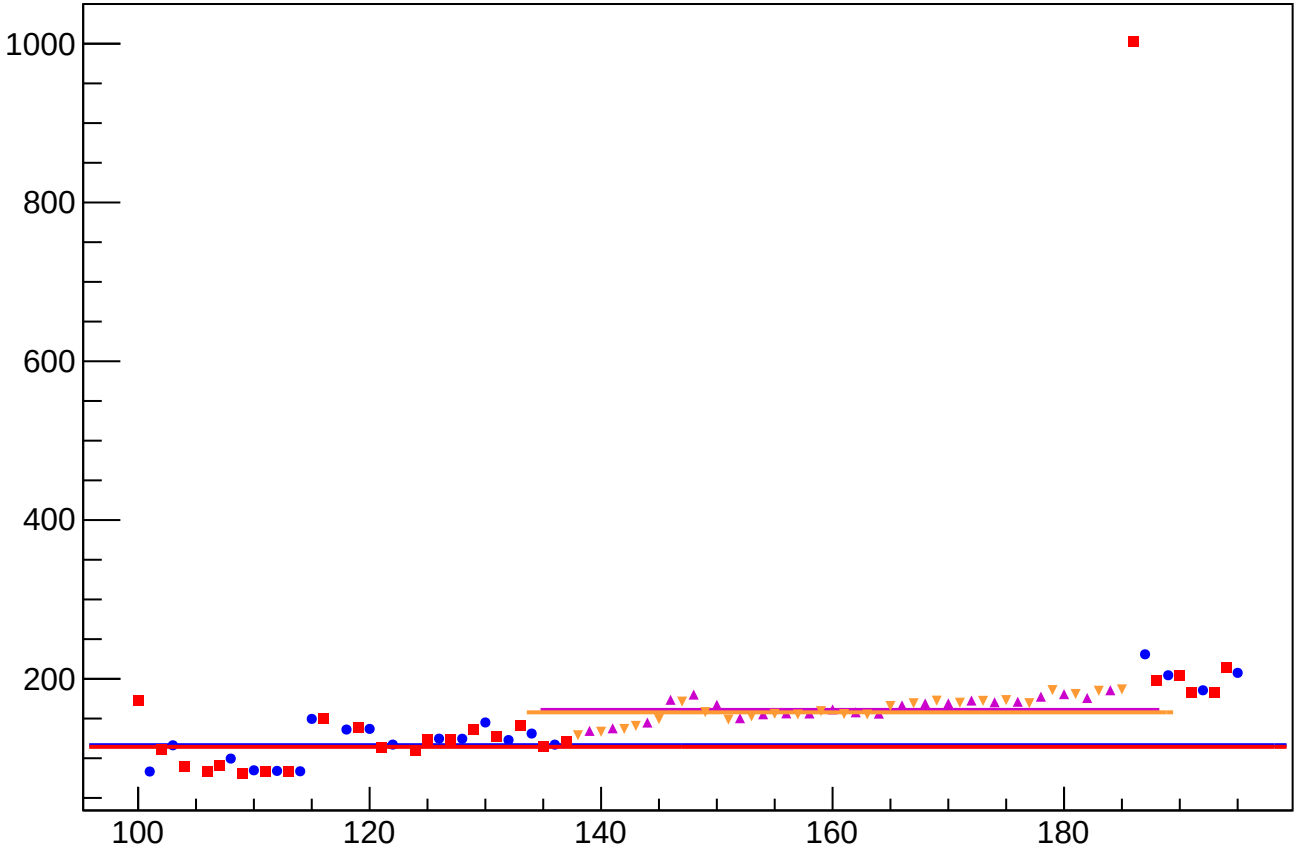
Right: -19.878+/-26.696 χ^2/NDF: 61.9/44

In: 131.355+/-27.085 χ^2/NDF:109.3/42

Out: 153.826+/-25.717 χ^2/NDF:80.6/49

All: 143.172+/-18.649 χ^2/NDF: 190.2/92

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 116.431+/-0.028 χ^2/NDF: 1507150.7/19

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 114.360+/-0.026 χ^2/NDF: 2581967.3/24

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

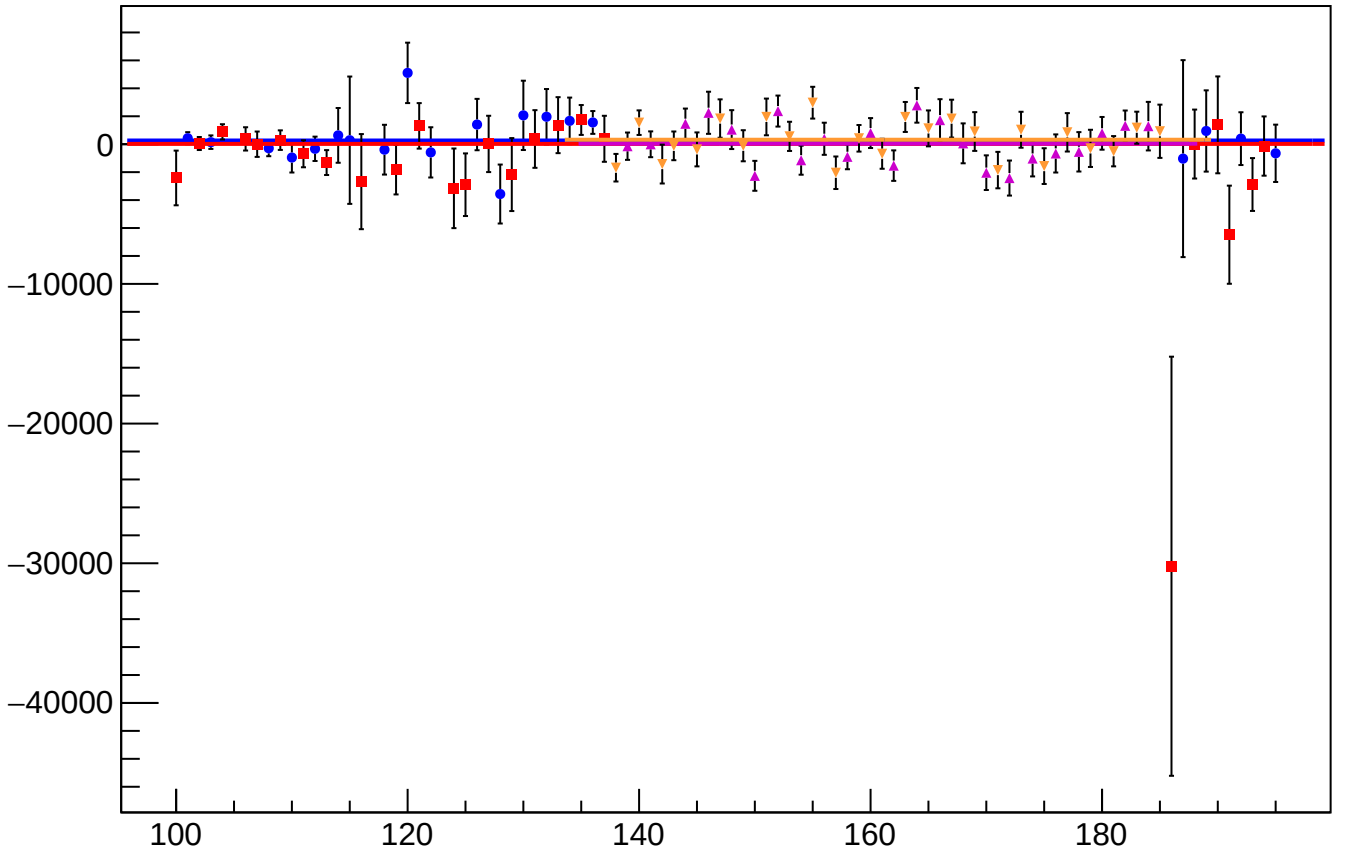
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 115.335+/-0.019 χ^2/NDF: 4092119.1/44

In: 139.338+/-0.019 χ^2/NDF:3120415.6/42

Out: 136.484+/-0.018 χ^2/NDF:4387778.5/49

All: 137.837+/-0.013 χ^2/NDF: 7519876.2/92



Right In: 264.954+/-226.733 χ^2/NDF: 16.8/19

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 22.152+/-227.689 χ^2/NDF: 26.3/24

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

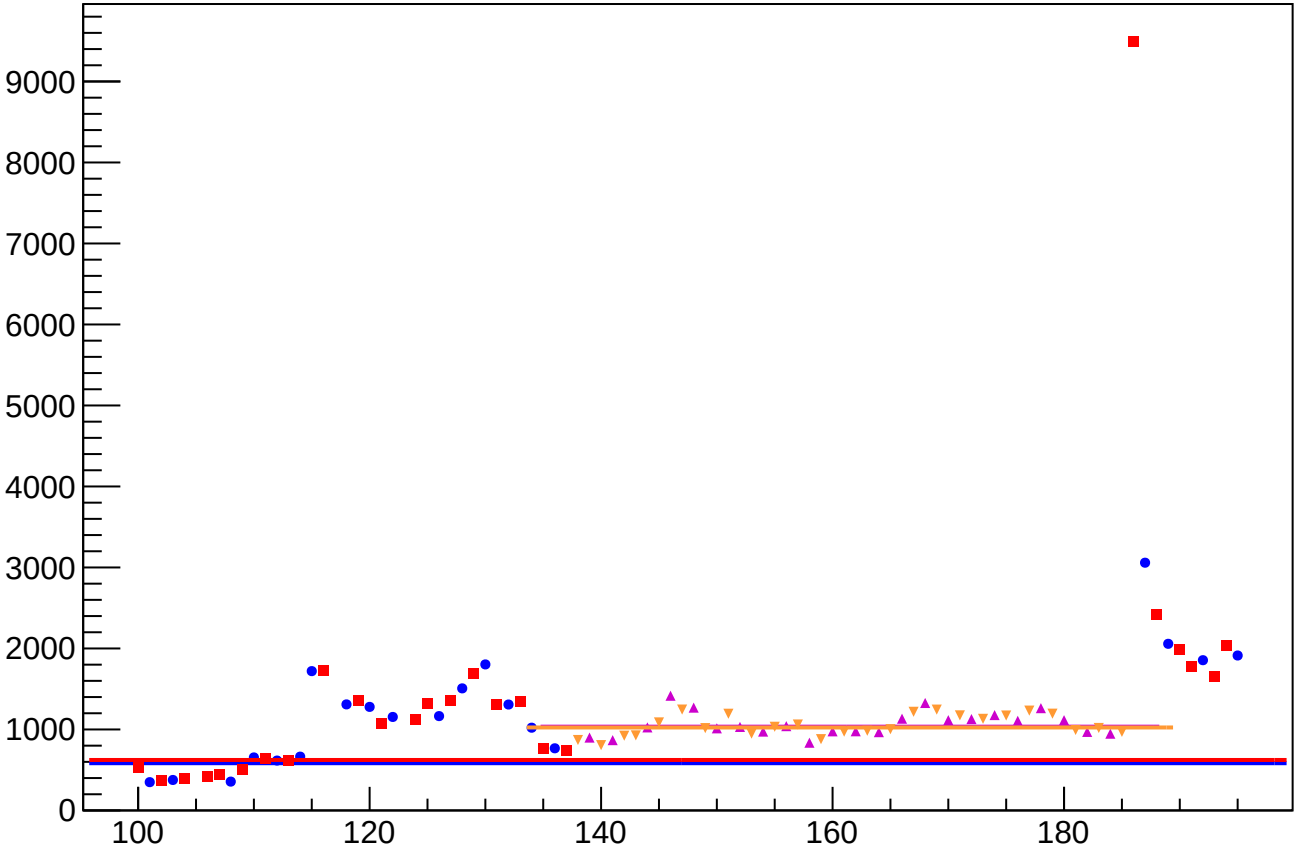
Right: 144.063+/-160.661 χ^2/NDF: 43.6/44

In: 160.417+/-166.143 χ^2/NDF:52.0/42

Out: 166.295+/-163.552 χ^2/NDF:59.6/49

All: 163.402+/-116.554 χ^2/NDF: 111.6/92

asym_sam6_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 583.334+/-0.160 χ^2/NDF: 6224198.9/19

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 623.183+/-0.161 χ^2/NDF: 7030635.9/24

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

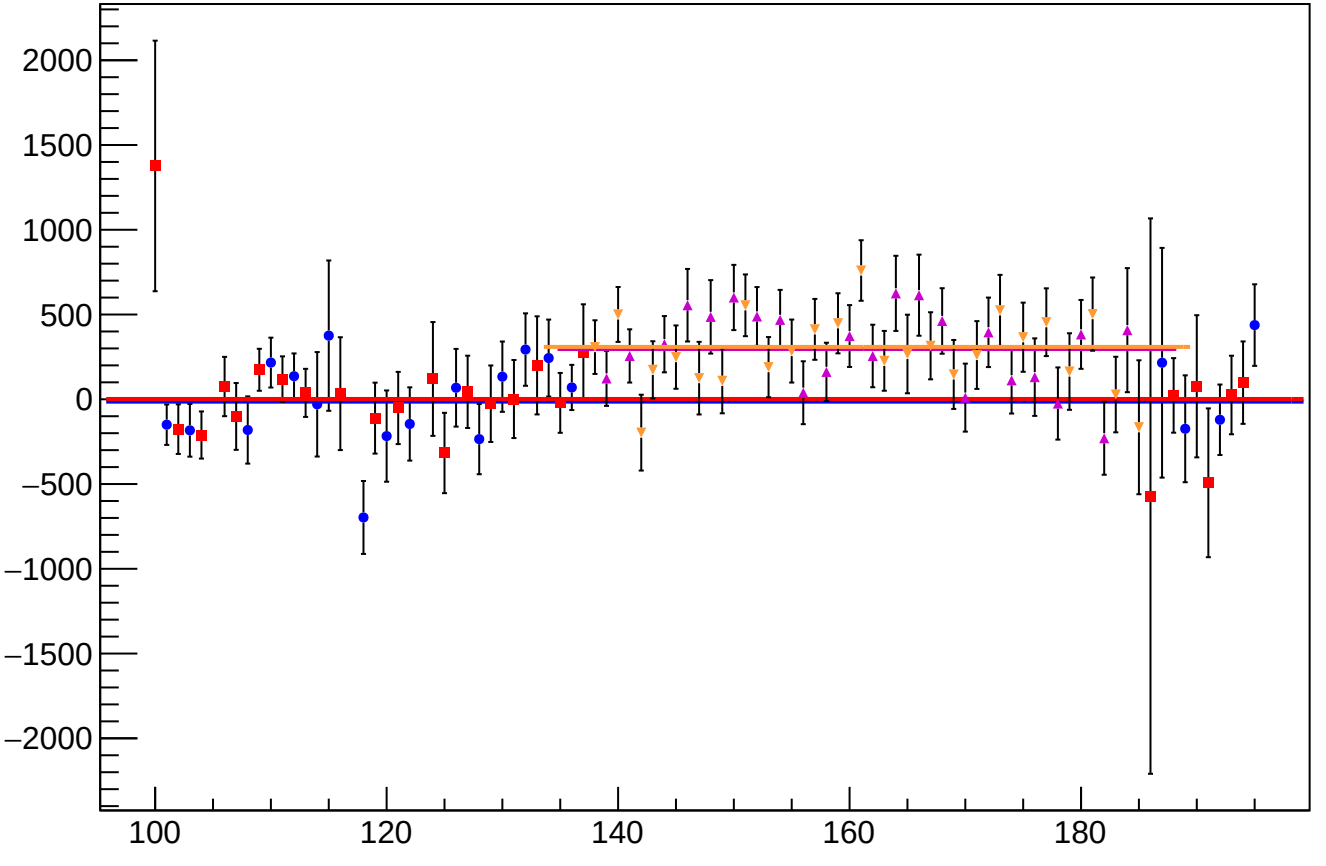
Right: 603.175+/-0.114 χ^2/NDF: 13285595.2/44

In: 792.213+/-0.117 χ^2/NDF:10518417.2/42

Out: 817.427+/-0.116 χ^2/NDF:10635540.5/49

All: 805.018+/-0.082 χ^2/NDF: 21177350.6/92

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -13.807+/-43.555 χ^2/NDF: 28.4/19

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 1.870+/-41.016 χ^2/NDF: 15.9/24

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

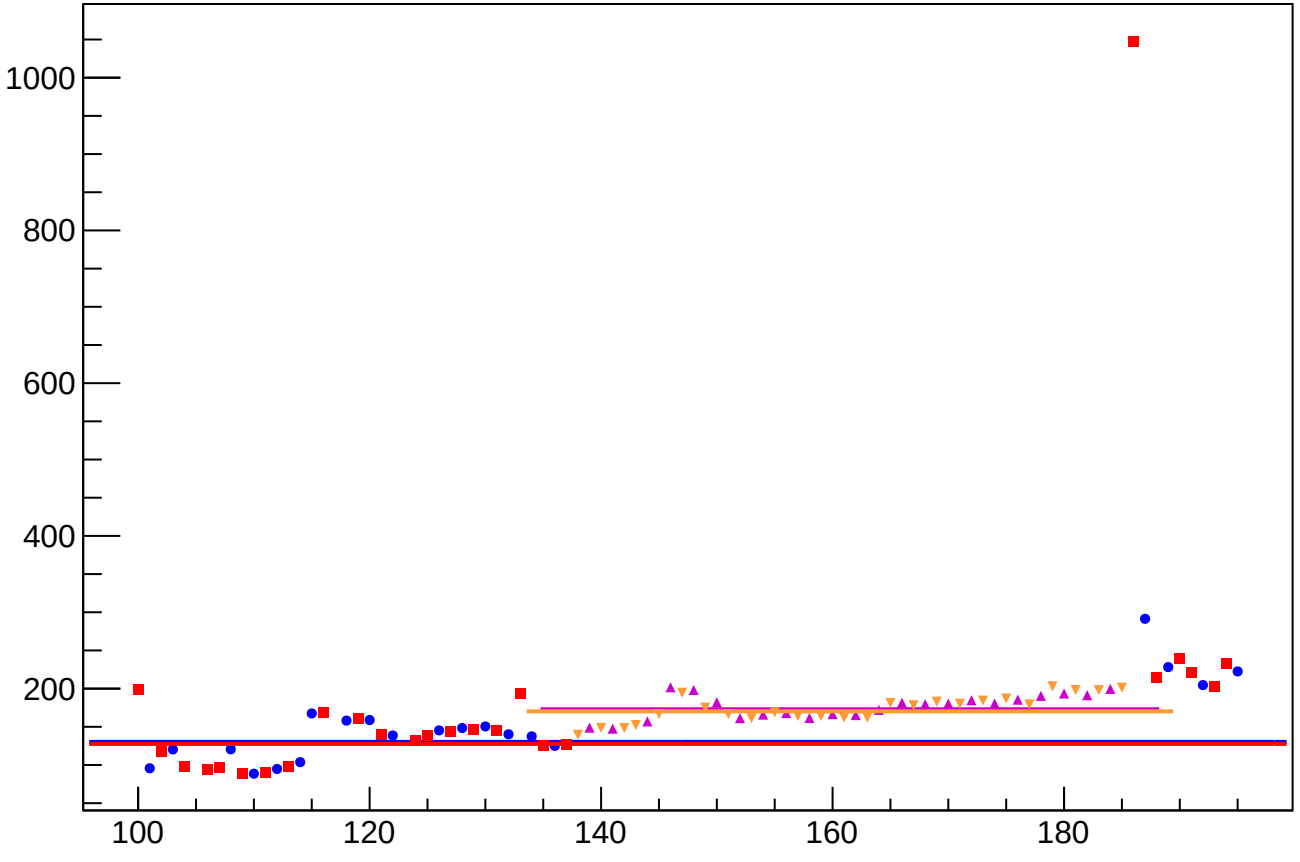
Right: -5.498+/-29.860 χ^2/NDF: 44.3/44

In: 152.202+/-29.701 χ^2/NDF:83.4/42

Out: 163.576+/-28.225 χ^2/NDF:71.0/49

All: 158.179+/-20.460 χ^2/NDF: 154.4/92

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 130.261+/-0.031 χ^2/NDF: 1477785.7/19

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 127.612+/-0.029 χ^2/NDF: 2693073.0/24

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

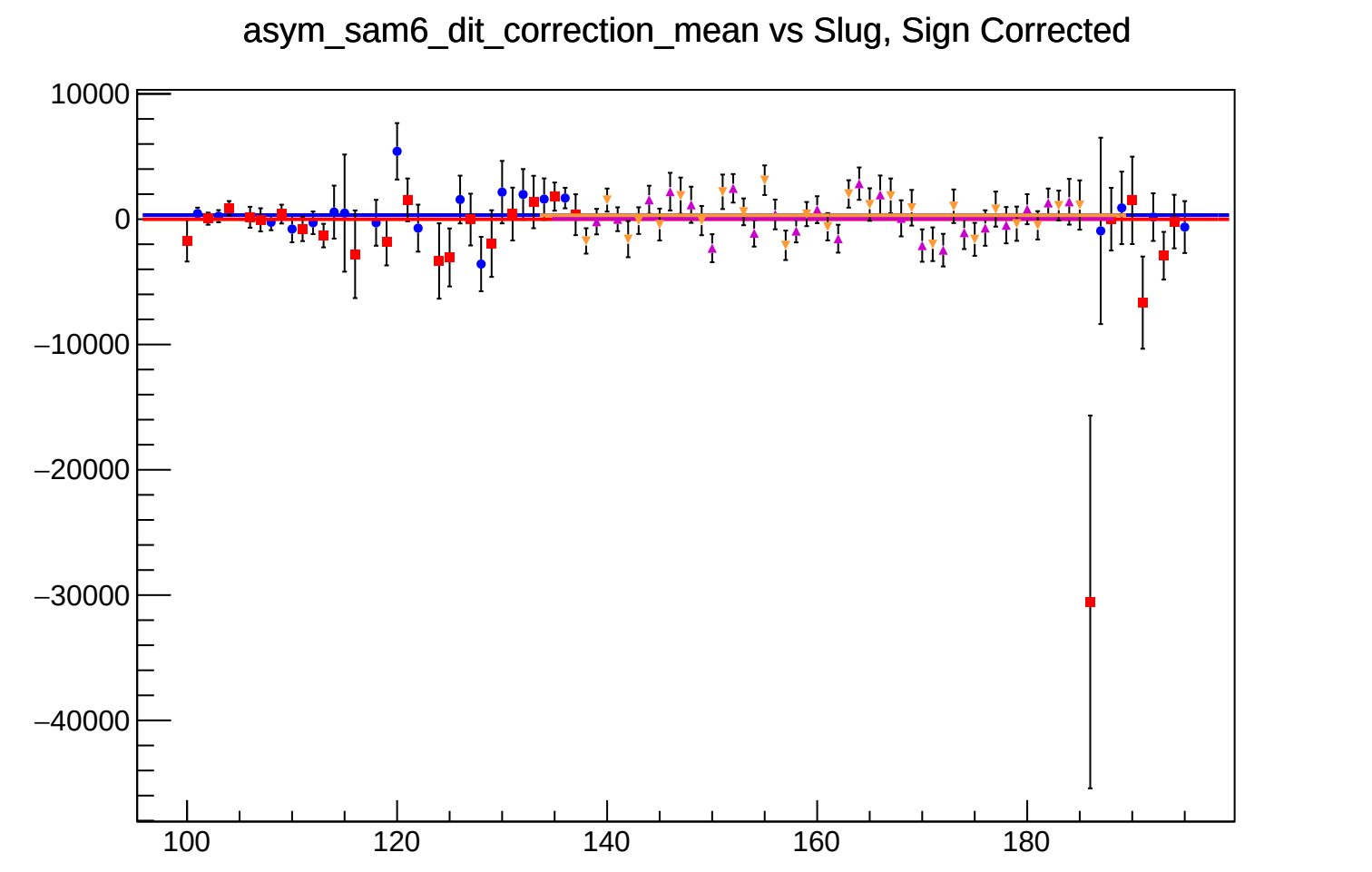
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 128.857+/-0.021 χ^2/NDF: 4174781.8/44

In: 153.139+/-0.021 χ^2/NDF:2802870.2/42

Out: 150.054+/-0.020 χ^2/NDF:4196697.2/49

All: 151.518+/-0.014 χ^2/NDF: 7010906.4/92



Right In: 331.363+/-237.100 χ^2/NDF: 16.5/19

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -2.665+/-235.004 χ^2/NDF: 25.4/24

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

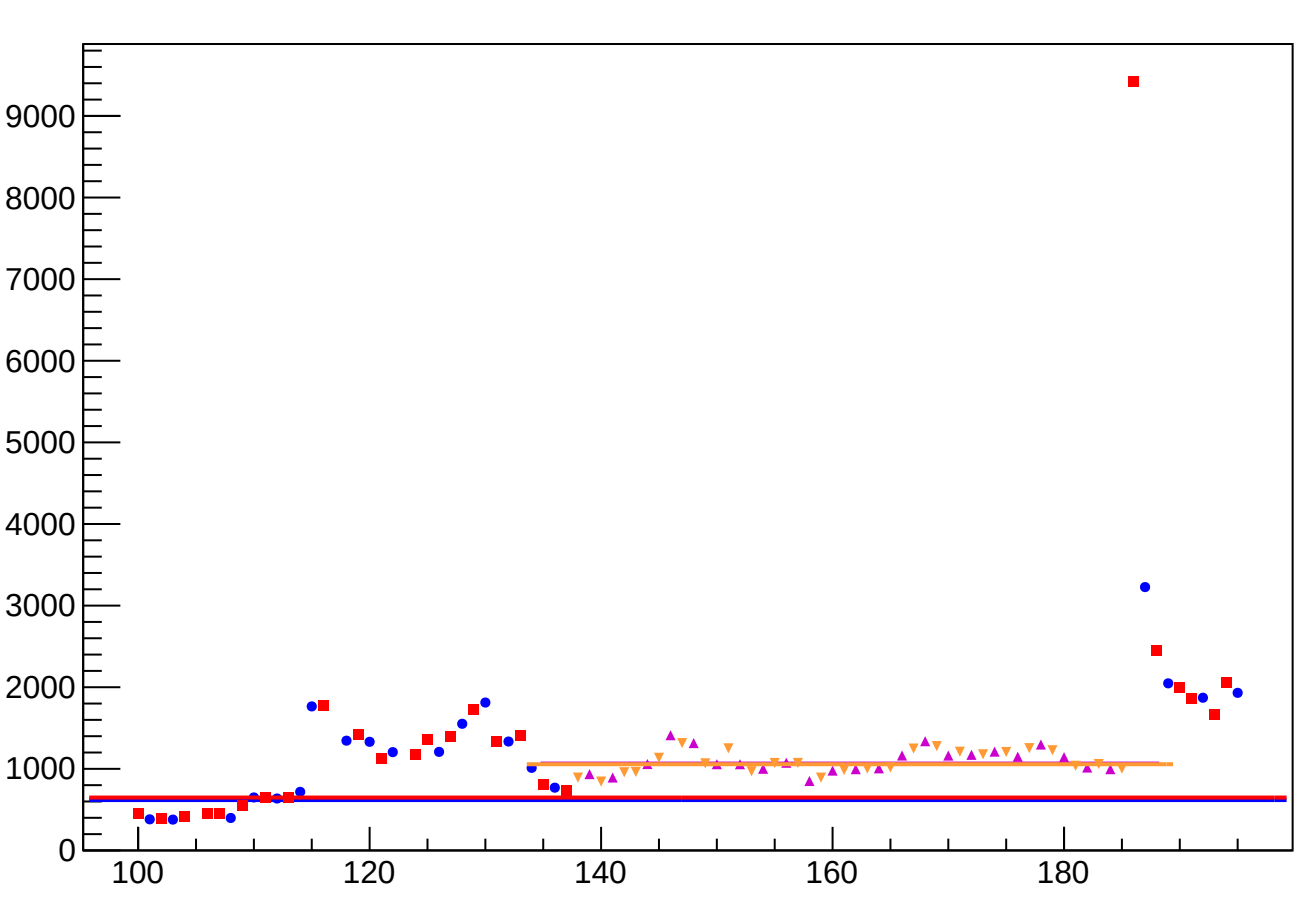
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 162.866+/-166.909 χ^2/NDF: 42.9/44

In: 197.523+/-172.441 χ^2/NDF:51.6/42

Out: 150.587+/-168.728 χ^2/NDF:59.2/49

All: 173.545+/-120.600 χ^2/NDF: 110.8/92



Right In: 617.388+/-0.168 χ^2/NDF: 5929082.9/19

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 648.302+/-0.166 χ^2/NDF: 6930976.7/24

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

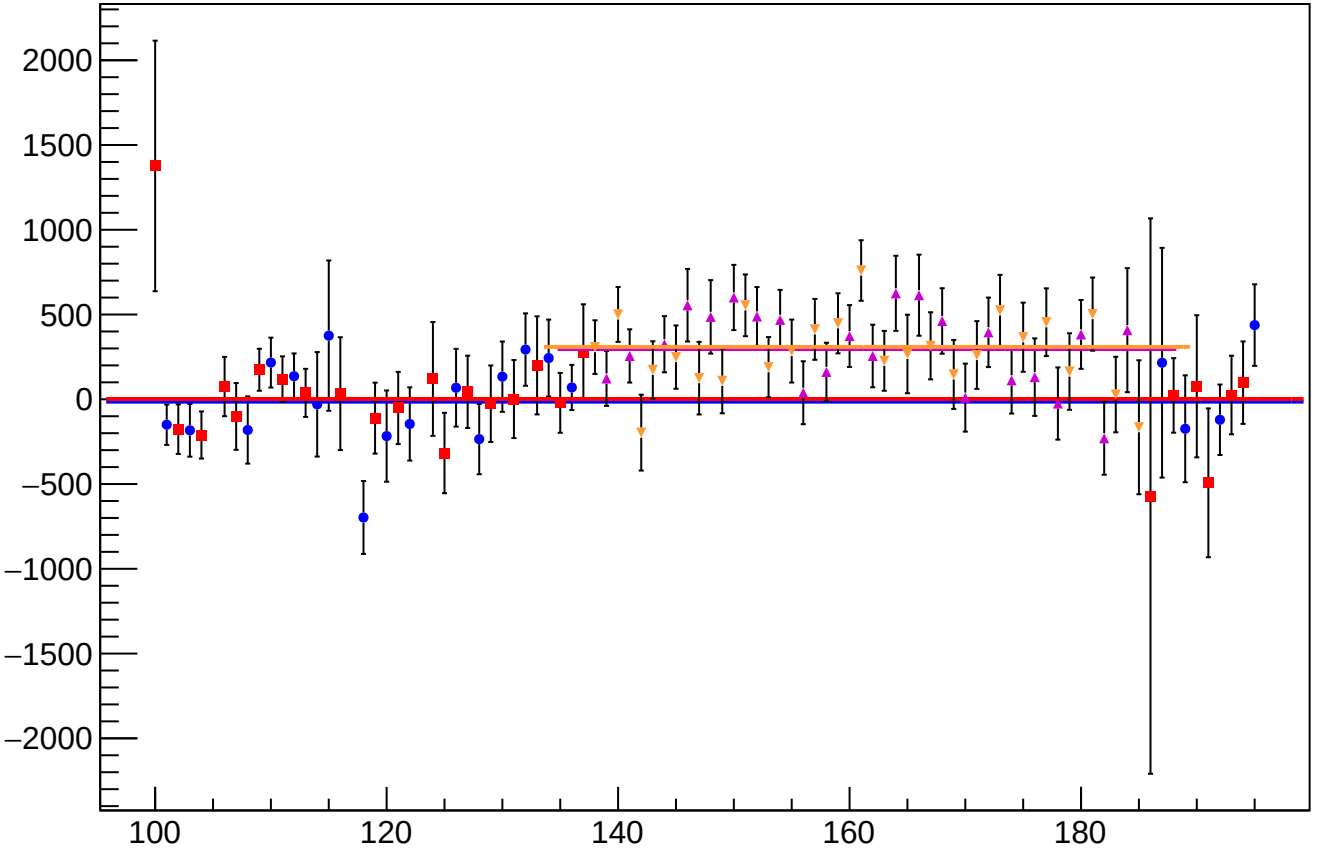
Right: 632.982+/-0.118 χ^2/NDF: 12877209.9/44

In: 828.089+/-0.122 χ^2/NDF:9893132.5/42

Out: 845.994+/-0.119 χ^2/NDF:10462848.7/49

All: 837.236+/-0.085 χ^2/NDF: 20366996.9/92

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -13.809+/-43.555 χ^2/NDF: 28.4/19

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 1.871+/-41.016 χ^2/NDF: 15.9/24

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

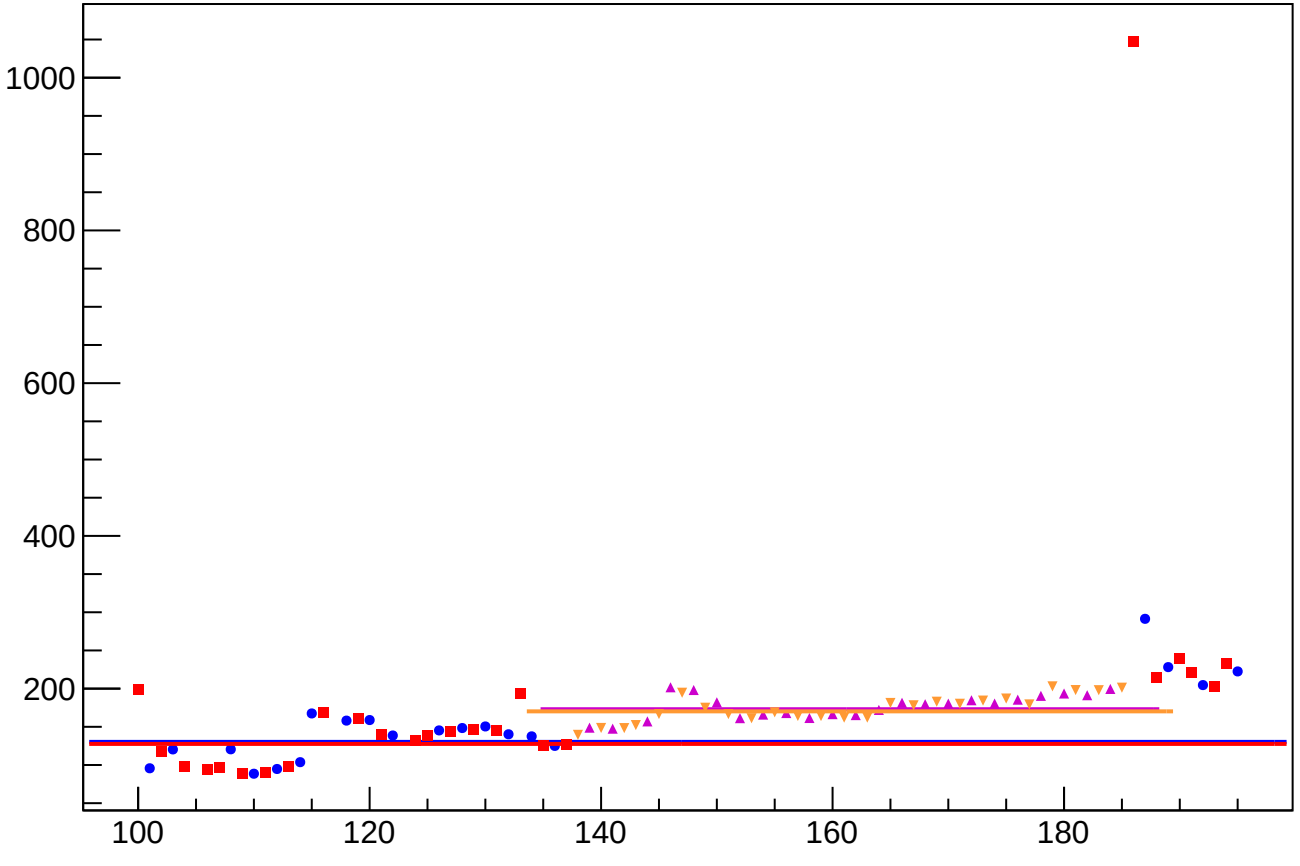
Right: -5.499+/-29.860 χ^2/NDF: 44.3/44

In: 152.201+/-29.701 χ^2/NDF:83.4/42

Out: 163.577+/-28.225 χ^2/NDF:71.0/49

All: 158.179+/-20.460 χ^2/NDF: 154.4/92

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 130.261+/-0.031 χ^2/NDF: 1477793.3/19

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 127.611+/-0.029 χ^2/NDF: 2693070.9/24

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

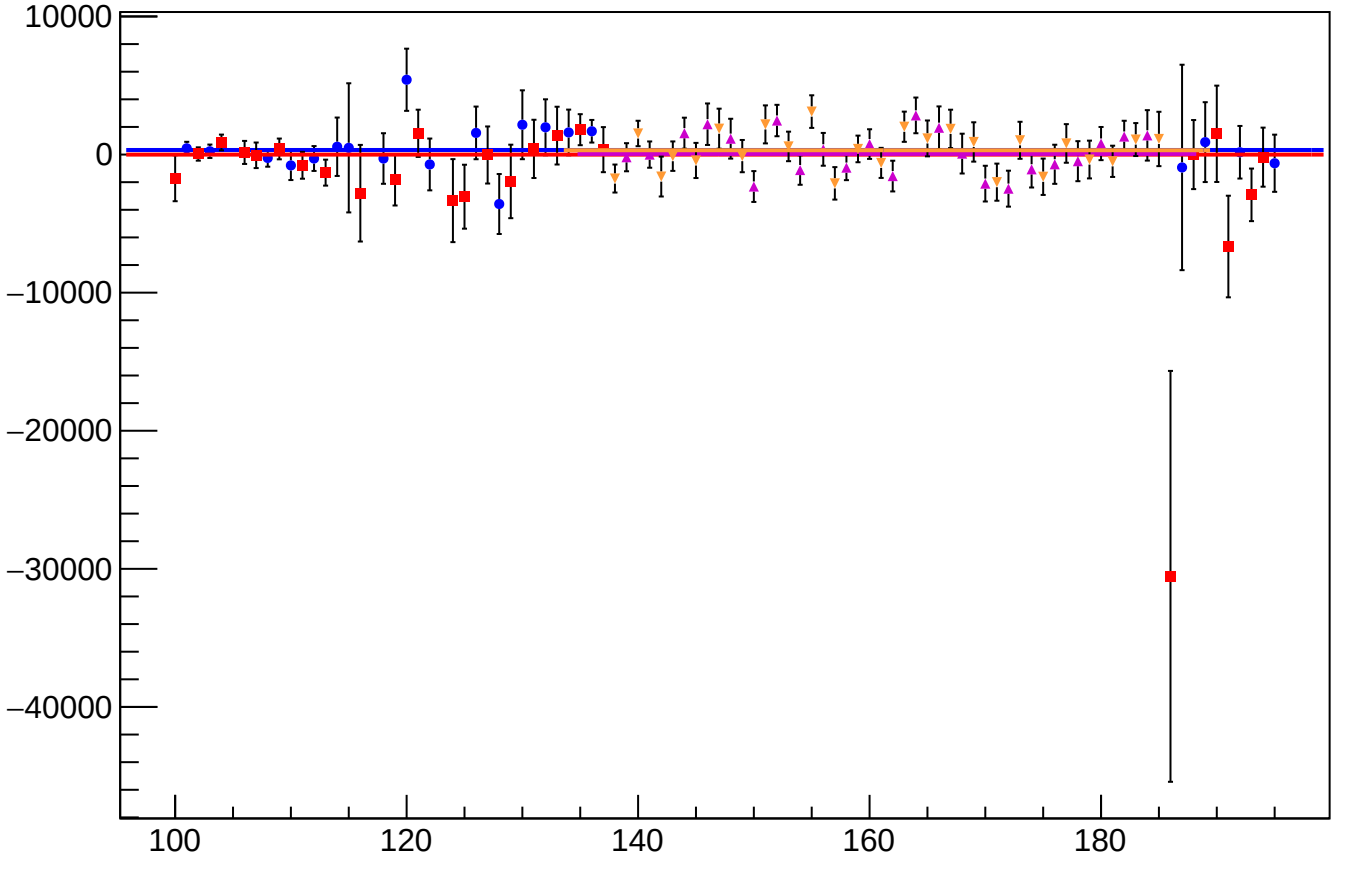
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 128.857+/-0.021 χ^2/NDF: 4174787.1/44

In: 153.138+/-0.021 χ^2/NDF:2802885.9/42

Out: 150.053+/-0.020 χ^2/NDF:4196700.3/49

All: 151.517+/-0.014 χ^2/NDF: 7010925.1/92



Right In: 331.362+/-237.100 χ^2/NDF: 16.5/19

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -2.664+/-235.004 χ^2/NDF: 25.4/24

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

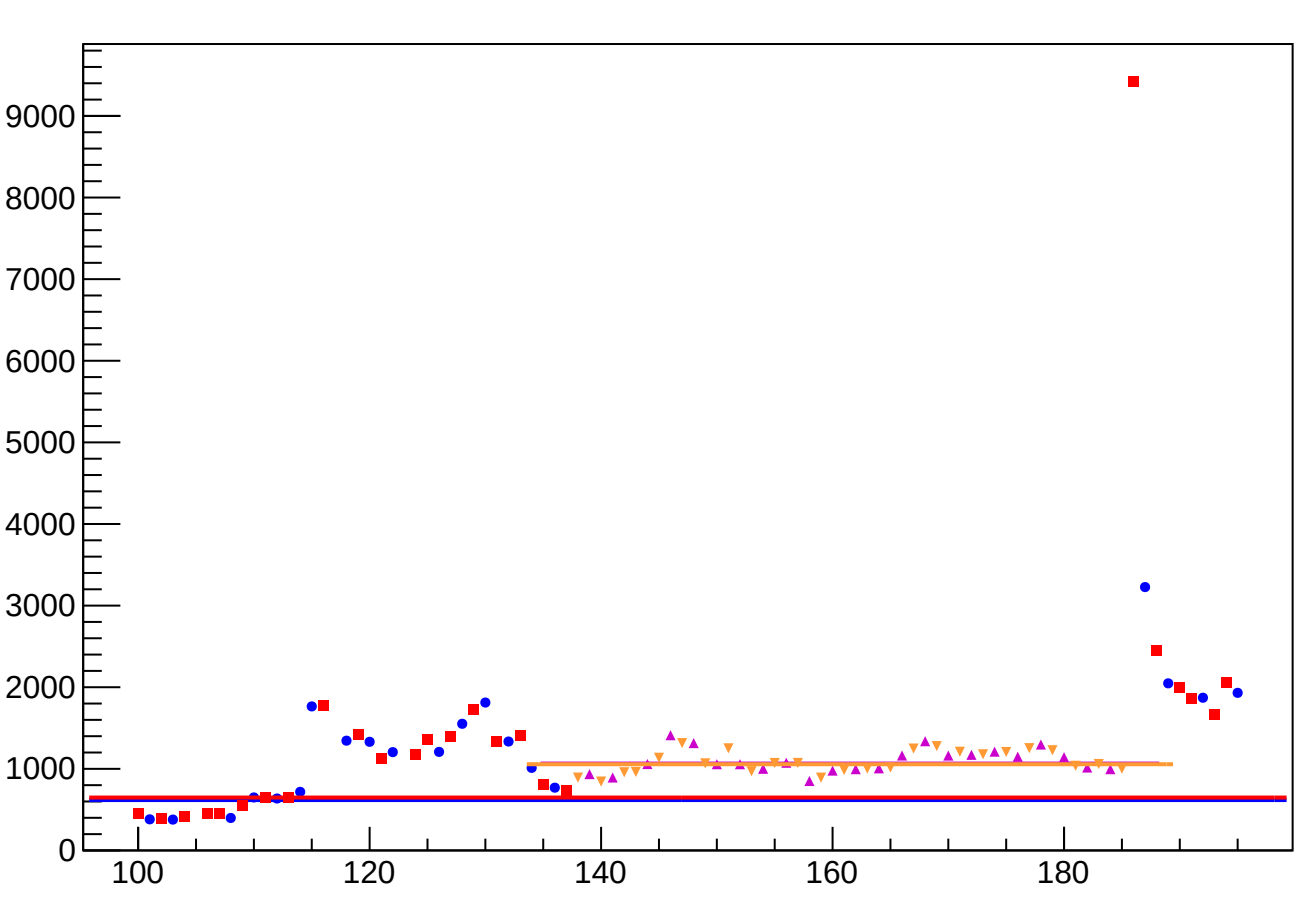
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 162.866+/-166.909 χ^2/NDF: 42.9/44

In: 197.523+/-172.441 χ^2/NDF:51.6/42

Out: 150.588+/-168.728 χ^2/NDF:59.2/49

All: 173.545+/-120.600 χ^2/NDF: 110.8/92



Right In: 617.387+/-0.168 χ^2/NDF: 5929089.8/19

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 648.301+/-0.166 χ^2/NDF: 6930979.0/24

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

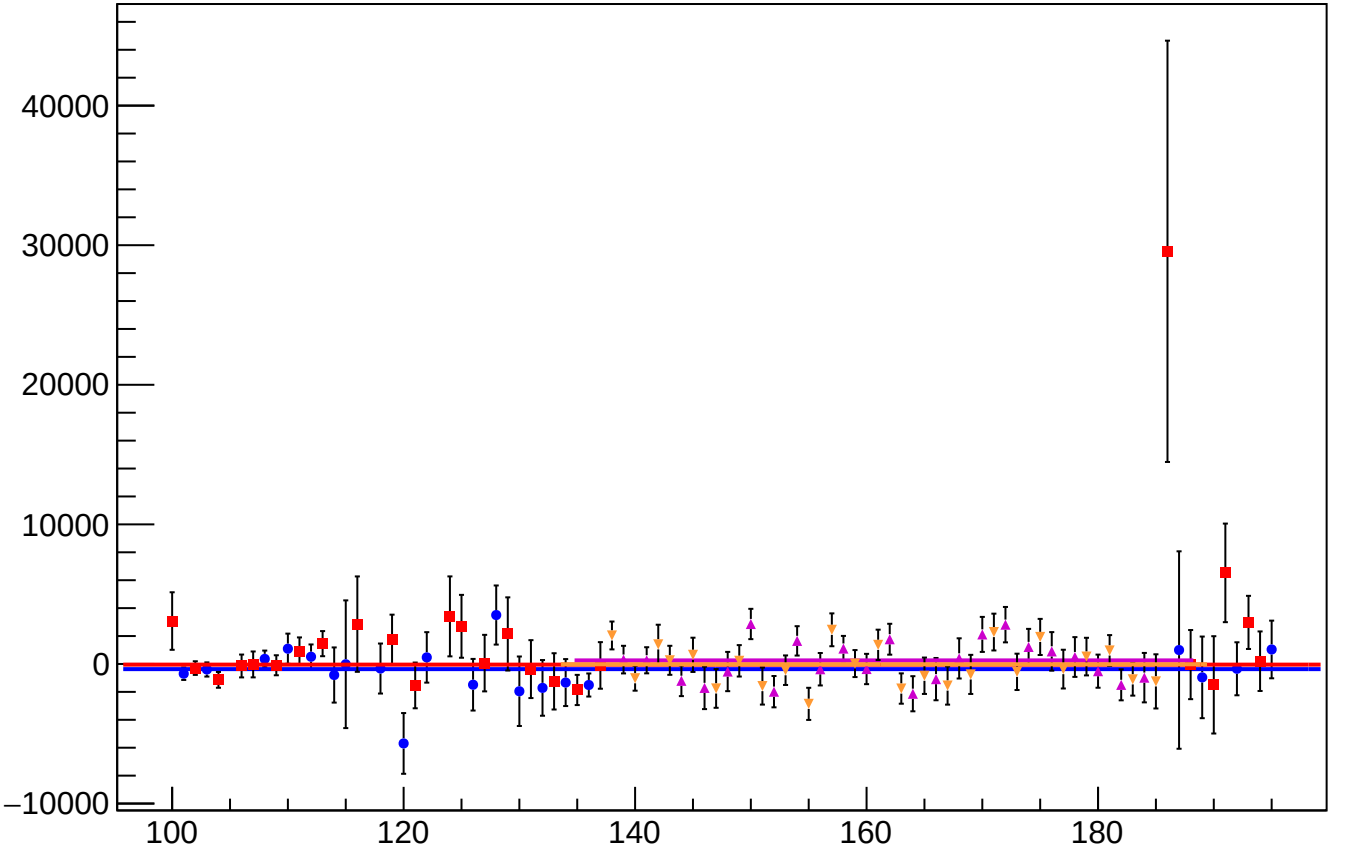
Right: 632.982+/-0.118 χ^2/NDF: 12877219.4/44

In: 828.088+/-0.122 χ^2/NDF:9893158.3/42

Out: 845.993+/-0.119 χ^2/NDF:10462868.6/49

All: 837.236+/-0.085 χ^2/NDF: 20367042.9/92

asym_sam6_mean vs Slug, Sign Corrected



Right In: -369.869+/-233.294 χ^2/NDF: 18.5/19

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -47.576+/-232.846 χ^2/NDF: 29.5/24

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

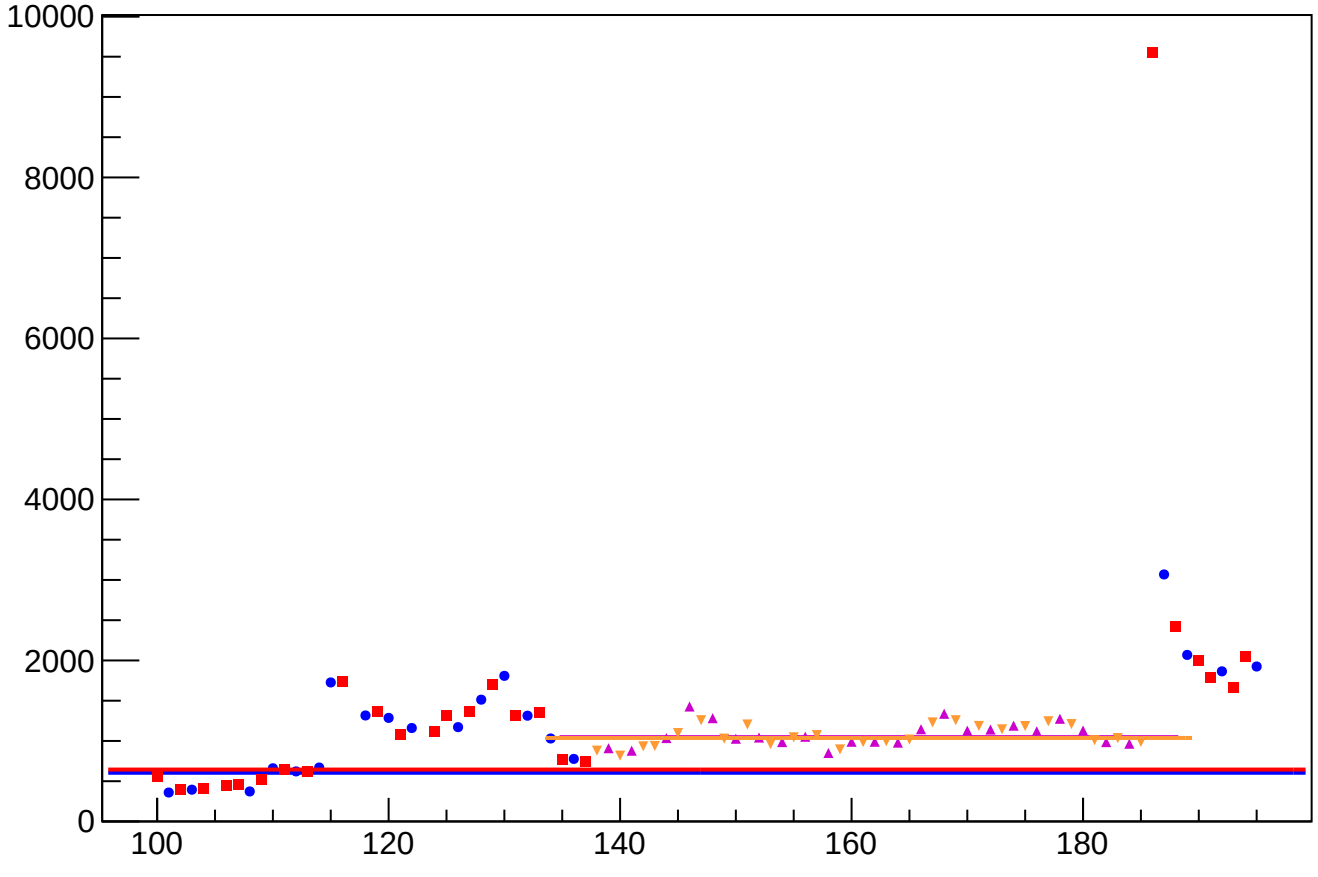
Right: -208.414+/-164.805 χ^2/NDF: 49.0/44

In: -75.320+/-169.668 χ^2/NDF:55.4/42

Out: -34.999+/-166.430 χ^2/NDF:64.0/49

All: -54.771+/-118.812 χ^2/NDF: 119.5/92

asym_sam6_rms vs Slug, Sign Corrected



Right In: 604.903+/-0.165 χ^2/NDF: 6011087.9/19

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 644.665+/-0.165 χ^2/NDF: 6803103.7/24

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

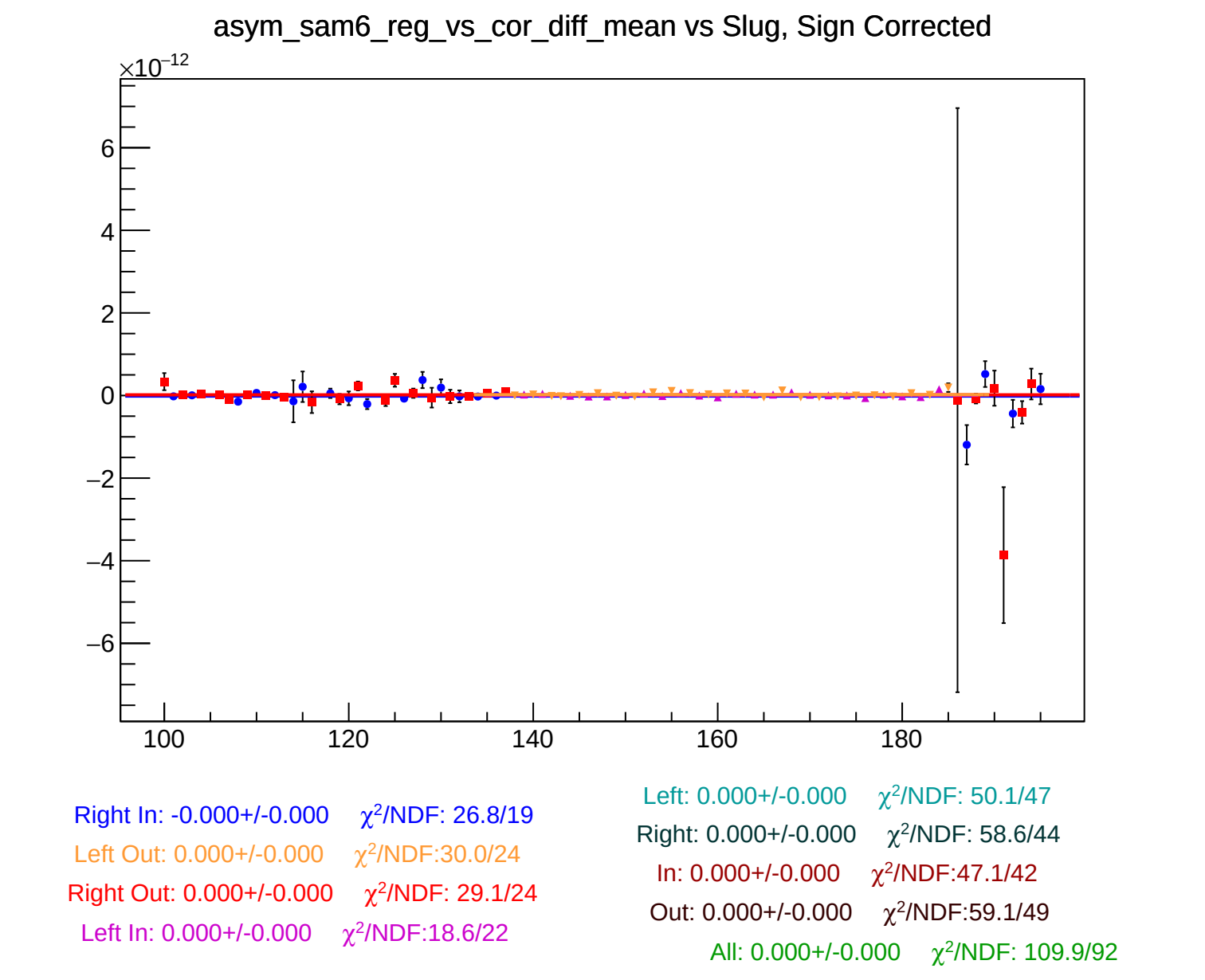
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

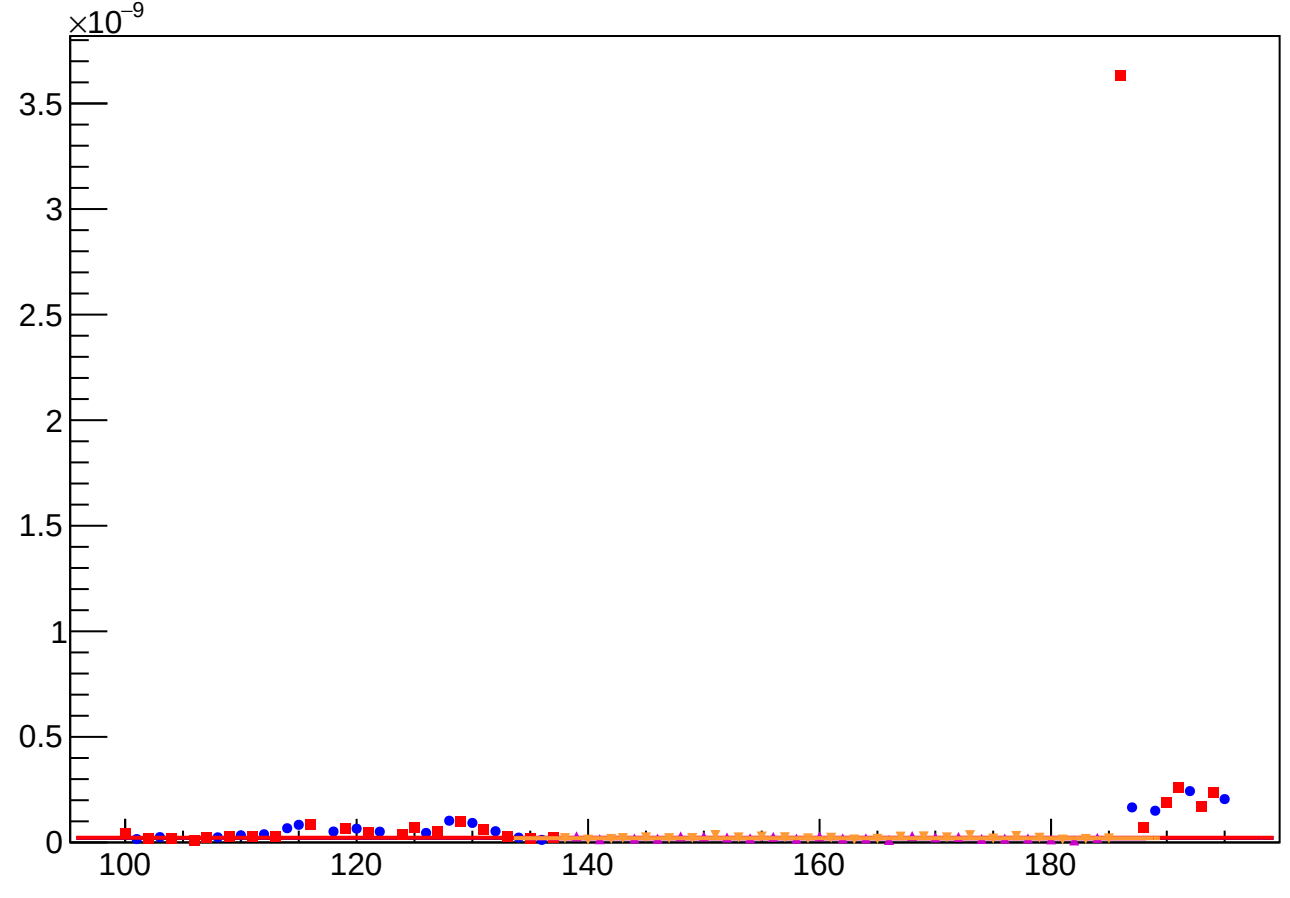
Right: 624.822+/-0.117 χ^2/NDF: 12843295.5/44

In: 813.461+/-0.120 χ^2/NDF:10017462.2/42

Out: 836.720+/-0.118 χ^2/NDF:10170469.8/49

All: 825.315+/-0.084 χ^2/NDF: 20207086.8/92


asym_sam6_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 26.8/19
Left Out: 0.000+/-0.000 χ²/NDF:30.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.1/24
Left In: 0.000+/-0.000 χ²/NDF:18.6/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/47
Right: 0.000+/-0.000 χ²/NDF: 58.6/44
In: 0.000+/-0.000 χ²/NDF:47.1/42
Out: 0.000+/-0.000 χ²/NDF:59.1/49
All: 0.000+/-0.000 χ²/NDF: 109.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 3925238.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4328410.4/24

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

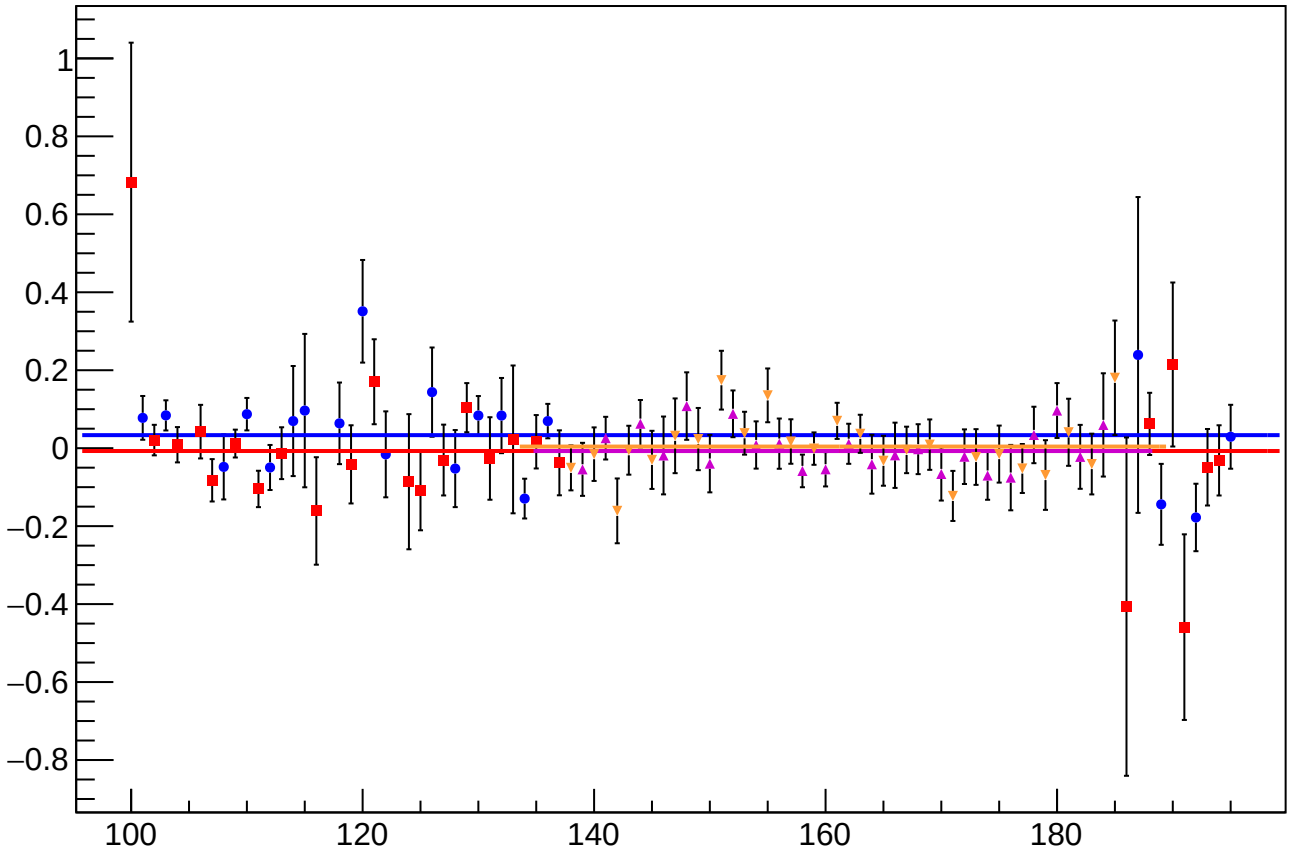
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 8261672.3/44

In: 0.000+/-0.000 χ^2/NDF:5007120.8/42

Out: 0.000+/-0.000 χ^2/NDF:5359678.5/49

All: 0.000+/-0.000 χ^2/NDF: 10387934.5/92



Right In: 0.033+/-0.015 χ^2/NDF: 36.3/19

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 26.7/24

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

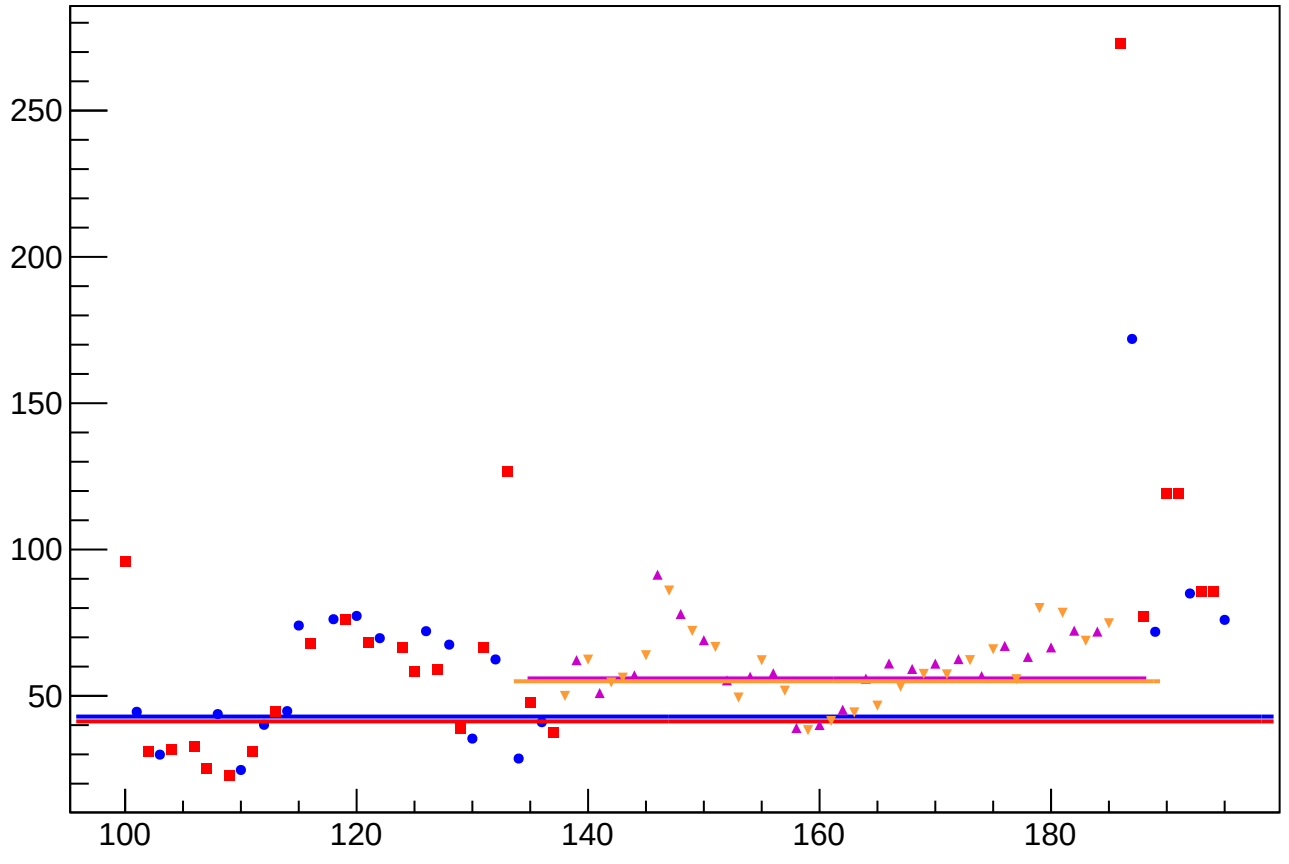
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.012+/-0.010 χ^2/NDF: 66.7/44

In: 0.011+/-0.010 χ^2/NDF:55.3/42

Out: -0.001+/-0.010 χ^2/NDF:51.9/49

All: 0.005+/-0.007 χ^2/NDF: 107.9/92



Right In: 42.929+/-0.011 χ^2/NDF: 2822683.3/19

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 41.277+/-0.010 χ^2/NDF: 4632609.9/24

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

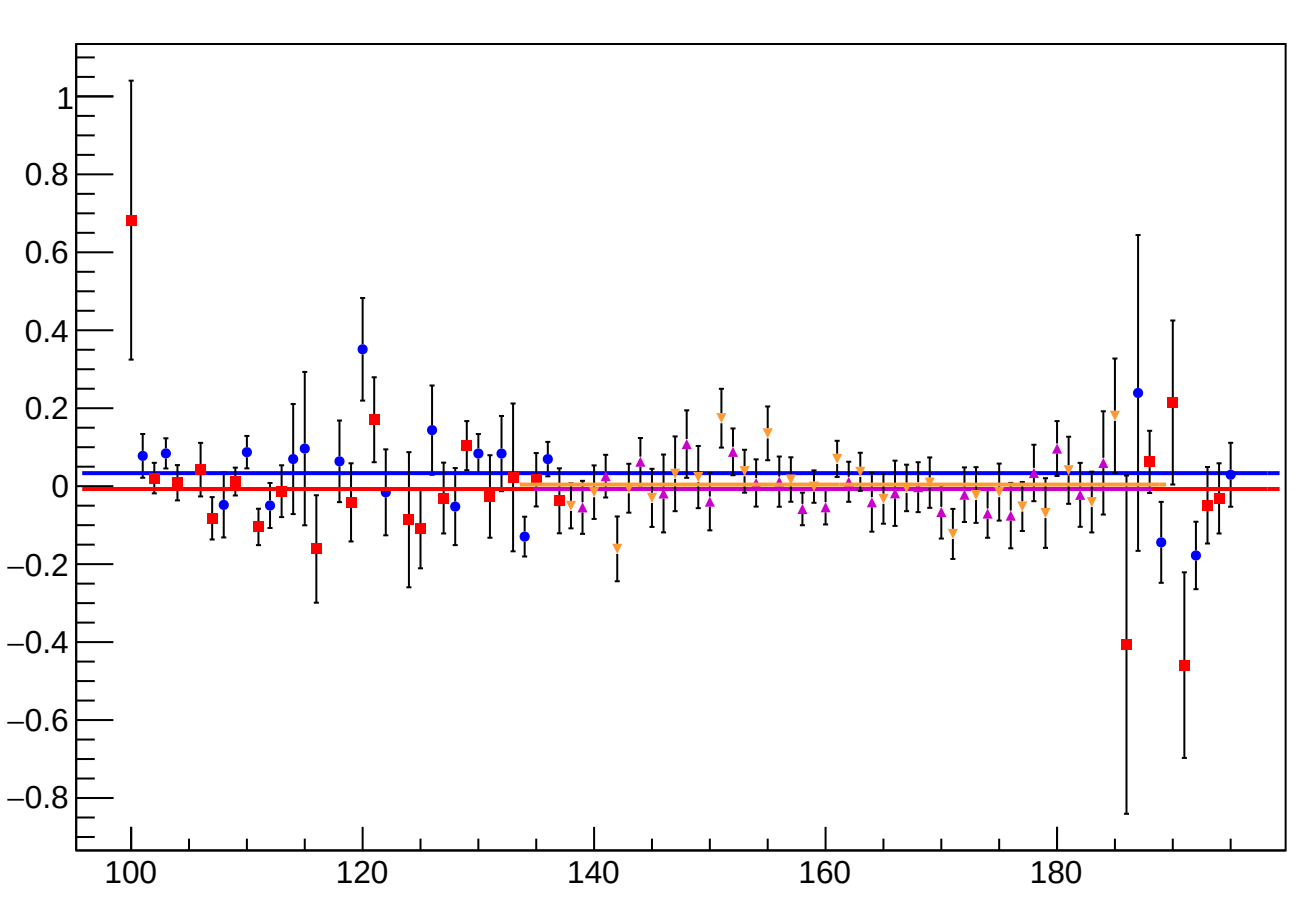
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 42.054+/-0.007 χ^2/NDF: 7467648.9/44

In: 50.241+/-0.007 χ^2/NDF:5043619.4/42

Out: 48.863+/-0.007 χ^2/NDF:7199821.6/49

All: 49.518+/-0.005 χ^2/NDF: 12262862.4/92



Right In: 0.033+/-0.015 χ^2/NDF: 36.3/19

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 26.7/24

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

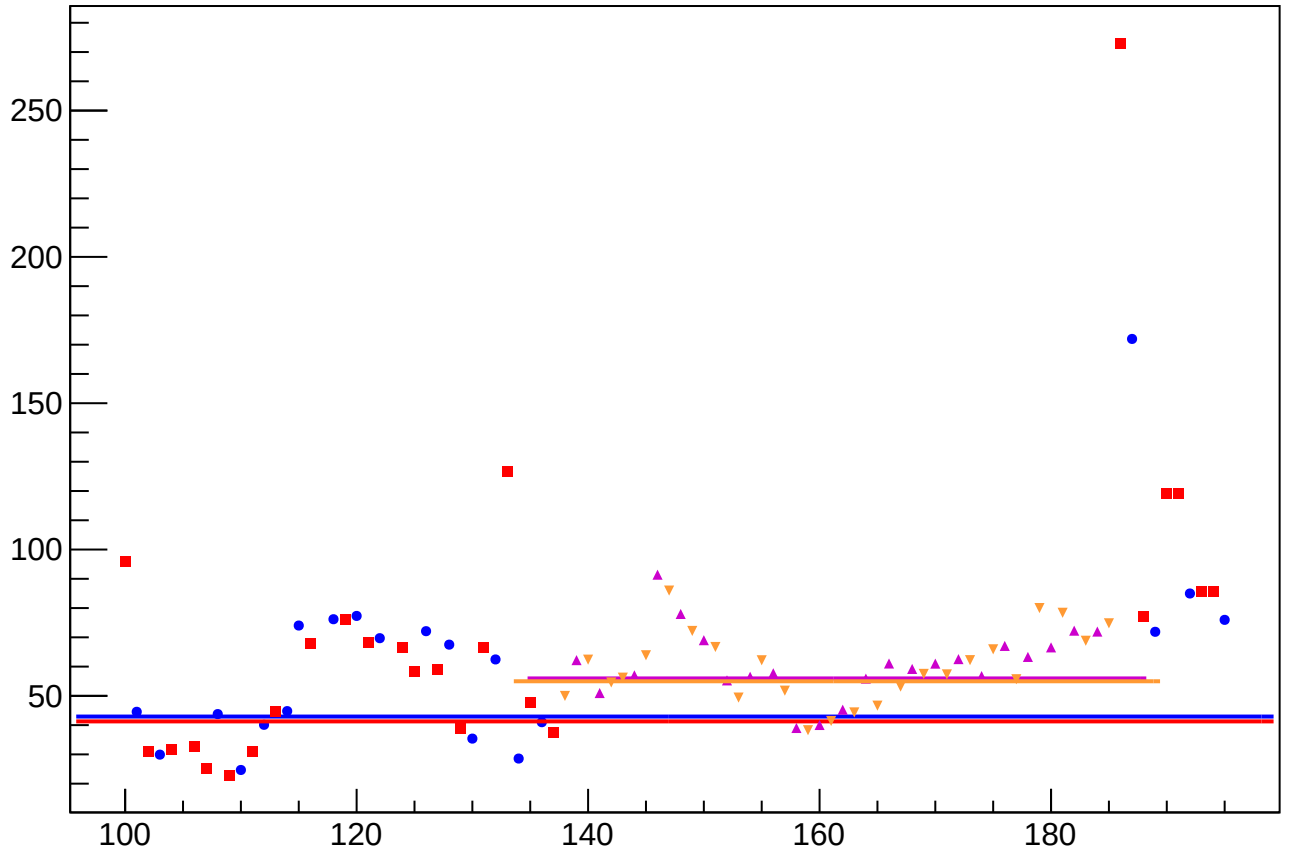
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.012+/-0.010 χ^2/NDF: 66.7/44

In: 0.011+/-0.010 χ^2/NDF:55.3/42

Out: -0.001+/-0.010 χ^2/NDF:51.9/49

All: 0.005+/-0.007 χ^2/NDF: 107.9/92



Right In: 42.929+/-0.011 χ^2/NDF: 2822683.3/19

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 41.277+/-0.010 χ^2/NDF: 4632609.9/24

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

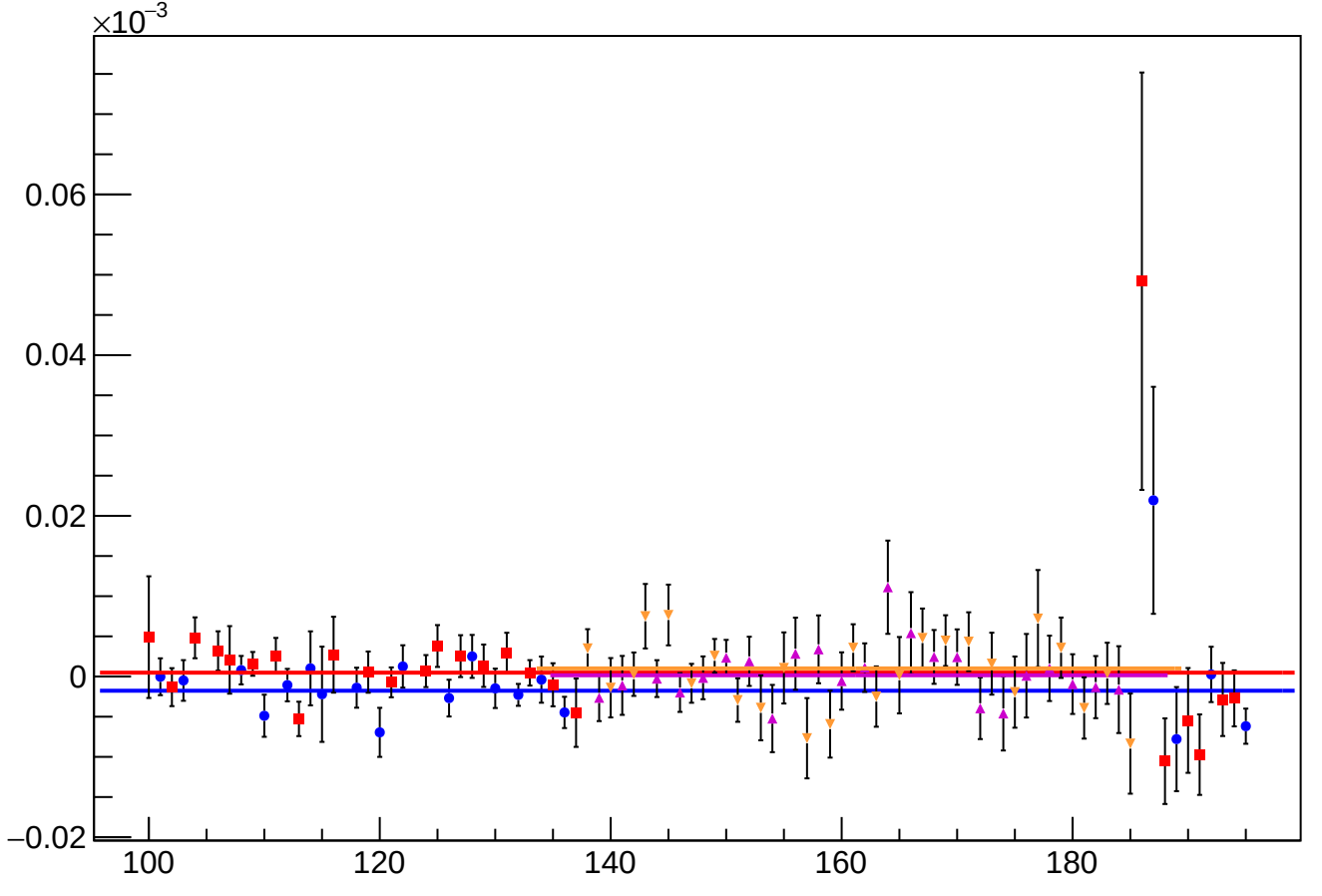
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 42.054+/-0.007 χ^2/NDF: 7467648.9/44

In: 50.241+/-0.007 χ^2/NDF:5043619.4/42

Out: 48.863+/-0.007 χ^2/NDF:7199821.6/49

All: 49.518+/-0.005 χ^2/NDF: 12262862.4/92



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/24

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

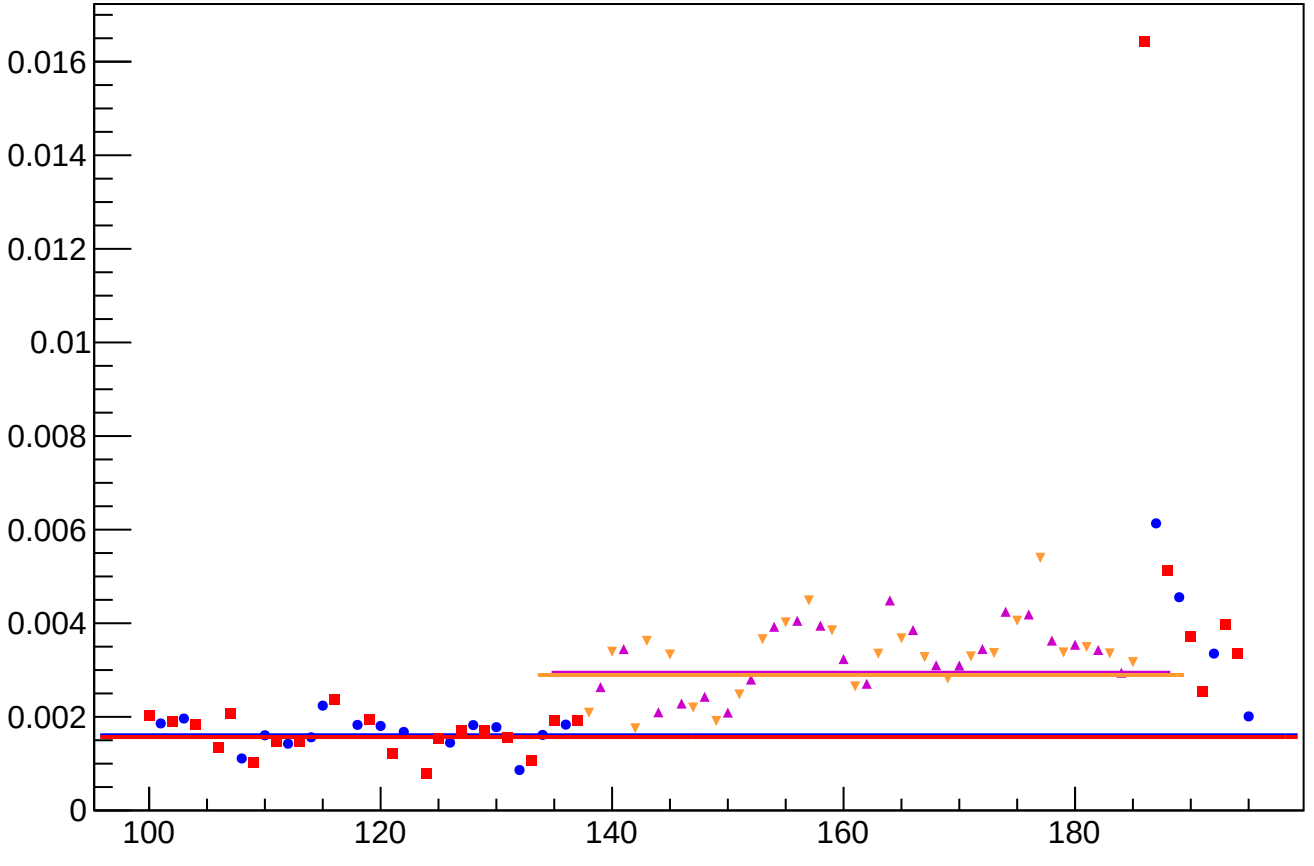
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 64.6/44

In: -0.000+/-0.000 χ^2/NDF:40.8/42

Out: 0.000+/-0.000 χ^2/NDF:62.7/49

All: -0.000+/-0.000 χ^2/NDF: 111.6/92



Right In: 0.002+/-0.000 χ^2/NDF: 2139579.6/19

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4068142.7/24

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

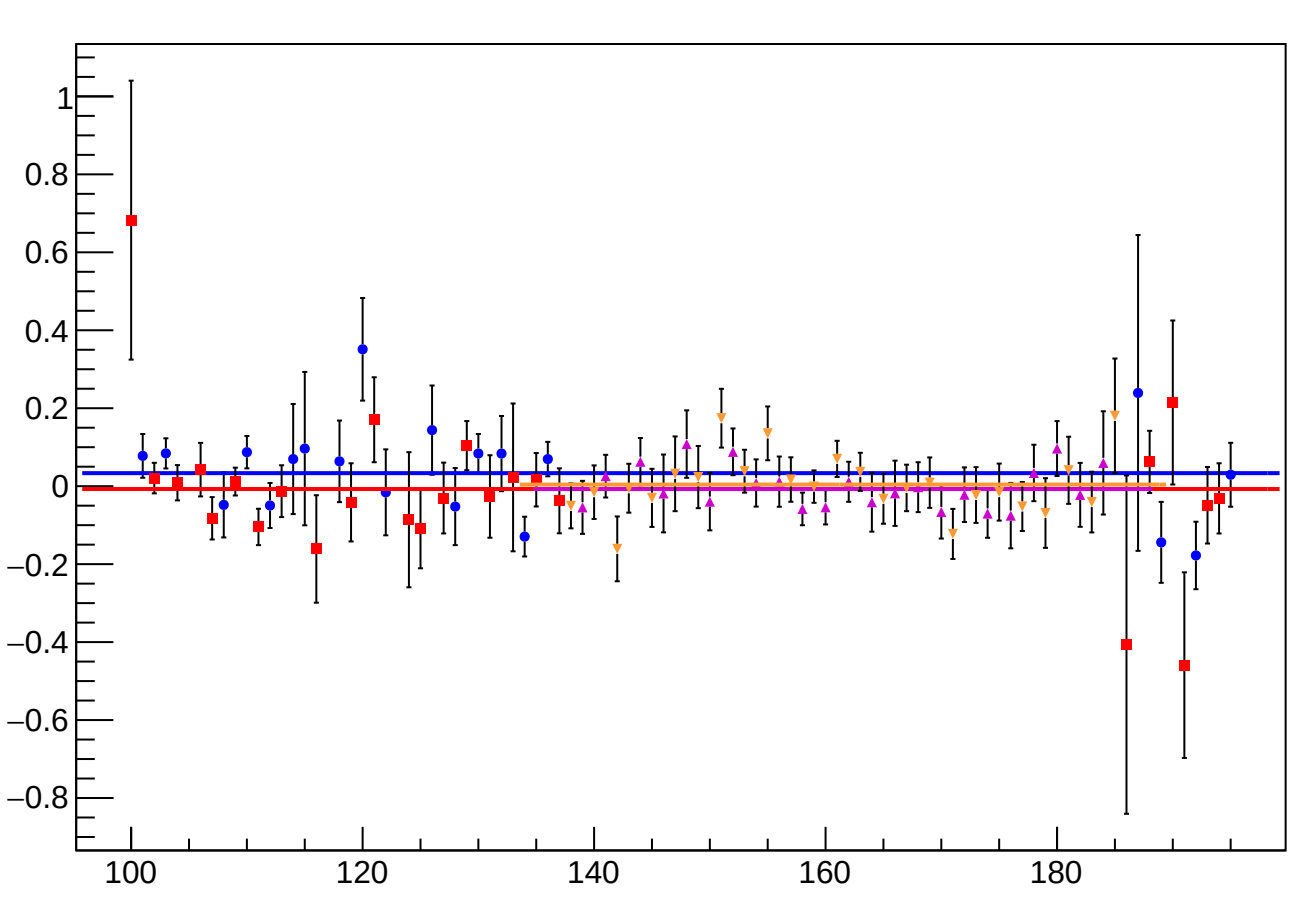
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 6212639.9/44

In: 0.002+/-0.000 χ^2/NDF:8442574.0/42

Out: 0.002+/-0.000 χ^2/NDF:11414942.1/49

All: 0.002+/-0.000 χ^2/NDF: 19871371.0/92



Right In: 0.033+/-0.015 χ^2/NDF: 36.3/19

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 26.7/24

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

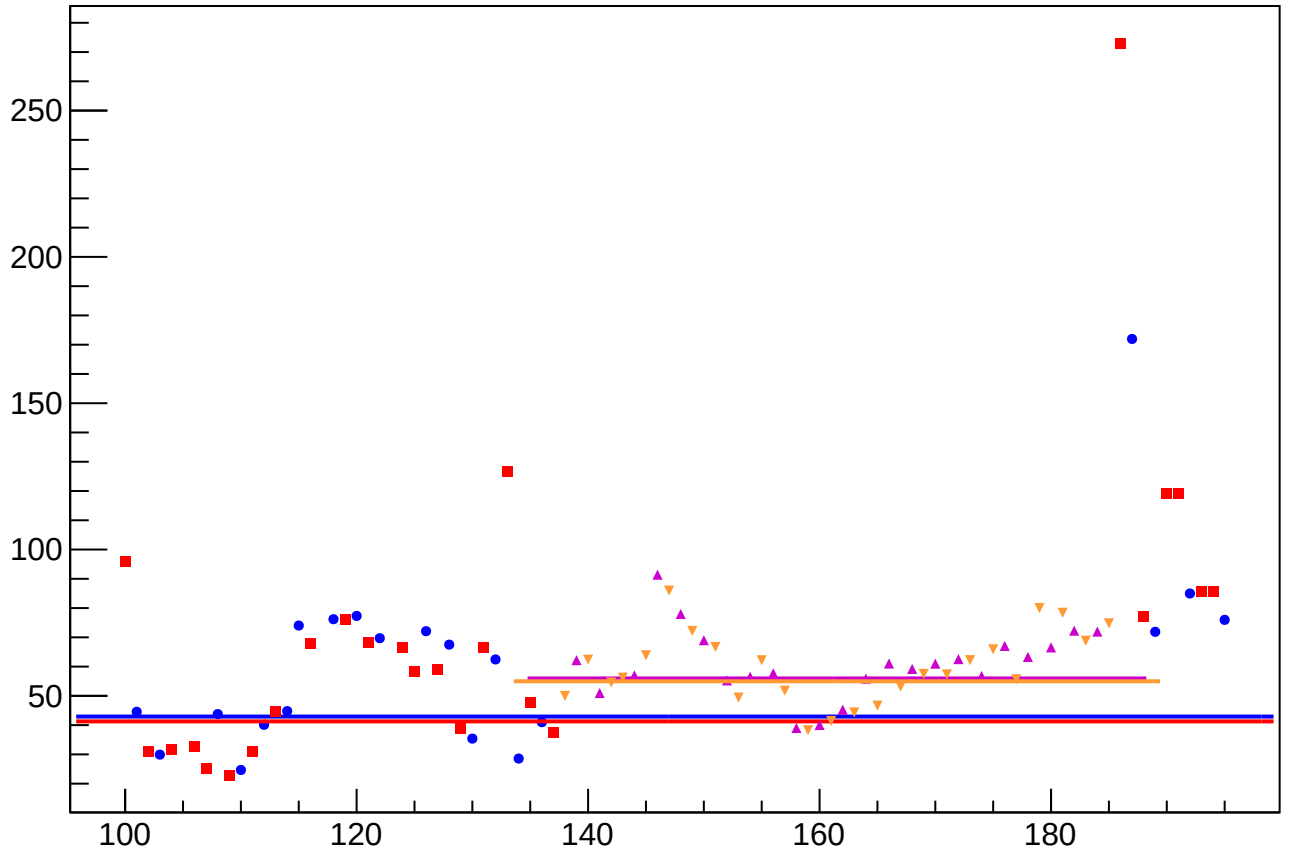
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.012+/-0.010 χ^2/NDF: 66.7/44

In: 0.011+/-0.010 χ^2/NDF:55.3/42

Out: -0.001+/-0.010 χ^2/NDF:51.9/49

All: 0.005+/-0.007 χ^2/NDF: 107.9/92



Right In: 42.928+/-0.011 χ^2/NDF: 2822730.3/19

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 41.276+/-0.010 χ^2/NDF: 4632578.6/24

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

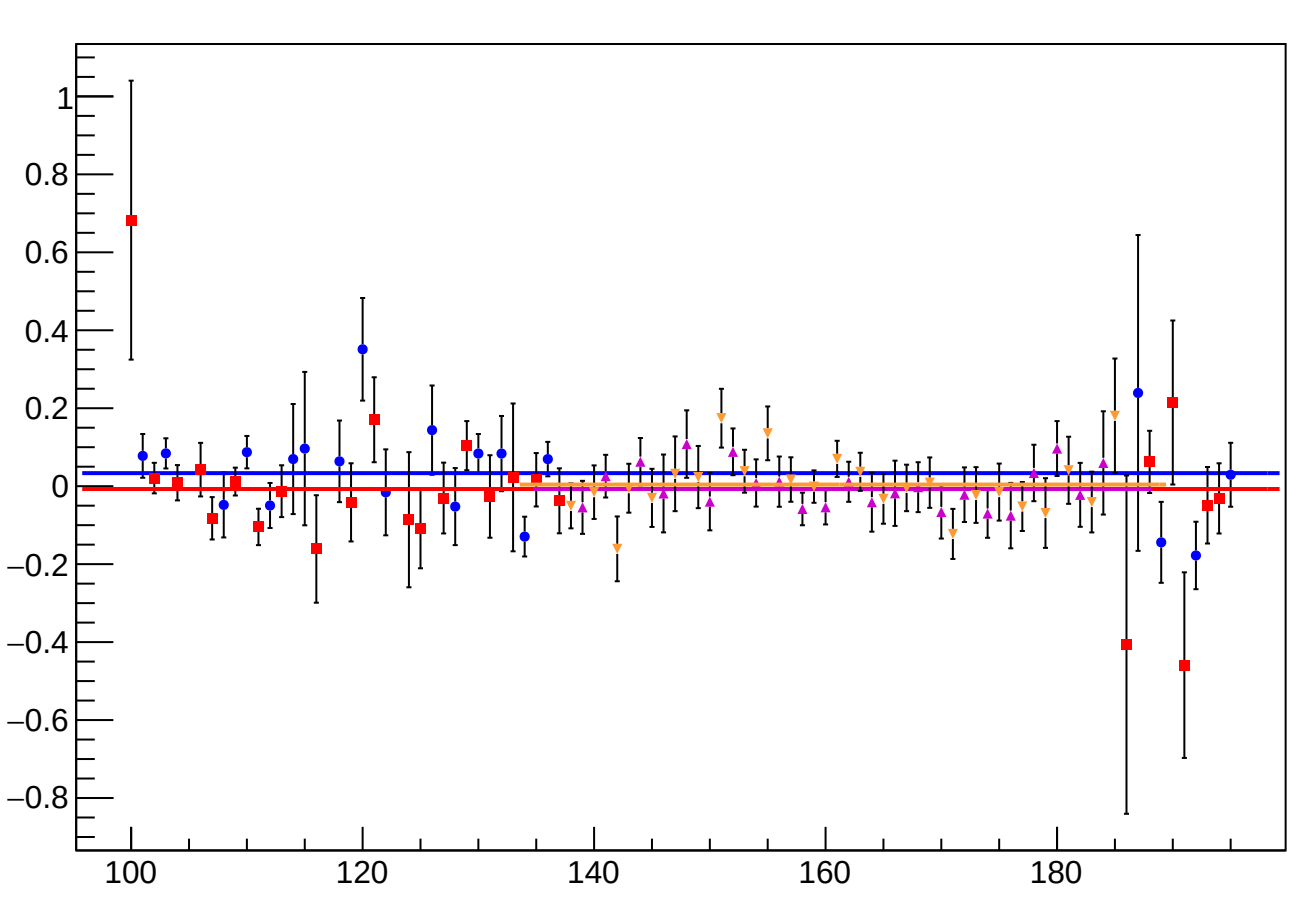
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 42.054+/-0.007 χ^2/NDF: 7467661.0/44

In: 50.240+/-0.007 χ^2/NDF:5043781.8/42

Out: 48.863+/-0.007 χ^2/NDF:7199833.6/49

All: 49.517+/-0.005 χ^2/NDF: 12263030.8/92



Right In: 0.033+/-0.015 χ^2/NDF: 36.3/19

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 26.7/24

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

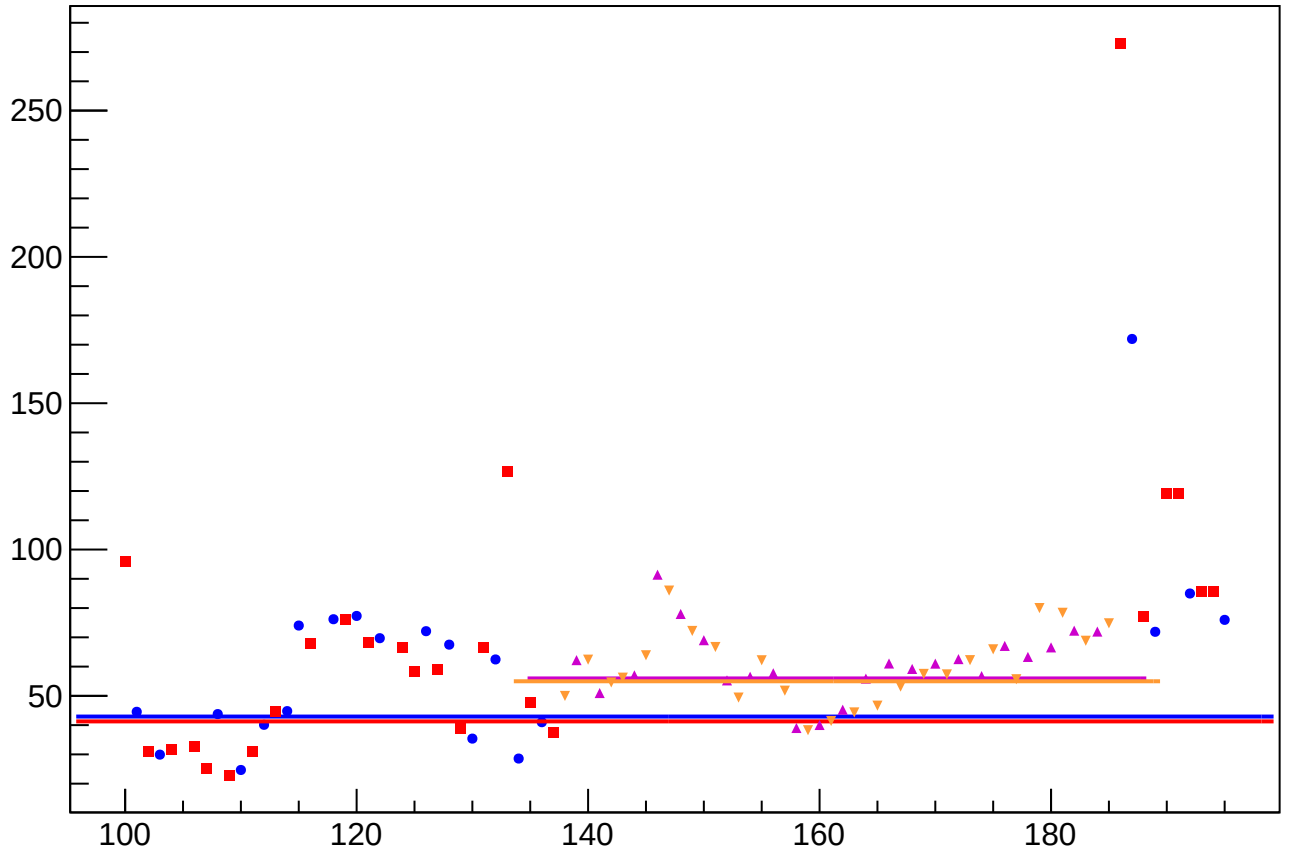
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.012+/-0.010 χ^2/NDF: 66.7/44

In: 0.011+/-0.010 χ^2/NDF:55.3/42

Out: -0.001+/-0.010 χ^2/NDF:51.9/49

All: 0.005+/-0.007 χ^2/NDF: 107.9/92



Right In: 42.928+/-0.011 χ^2/NDF: 2822730.3/19

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 41.276+/-0.010 χ^2/NDF: 4632578.6/24

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

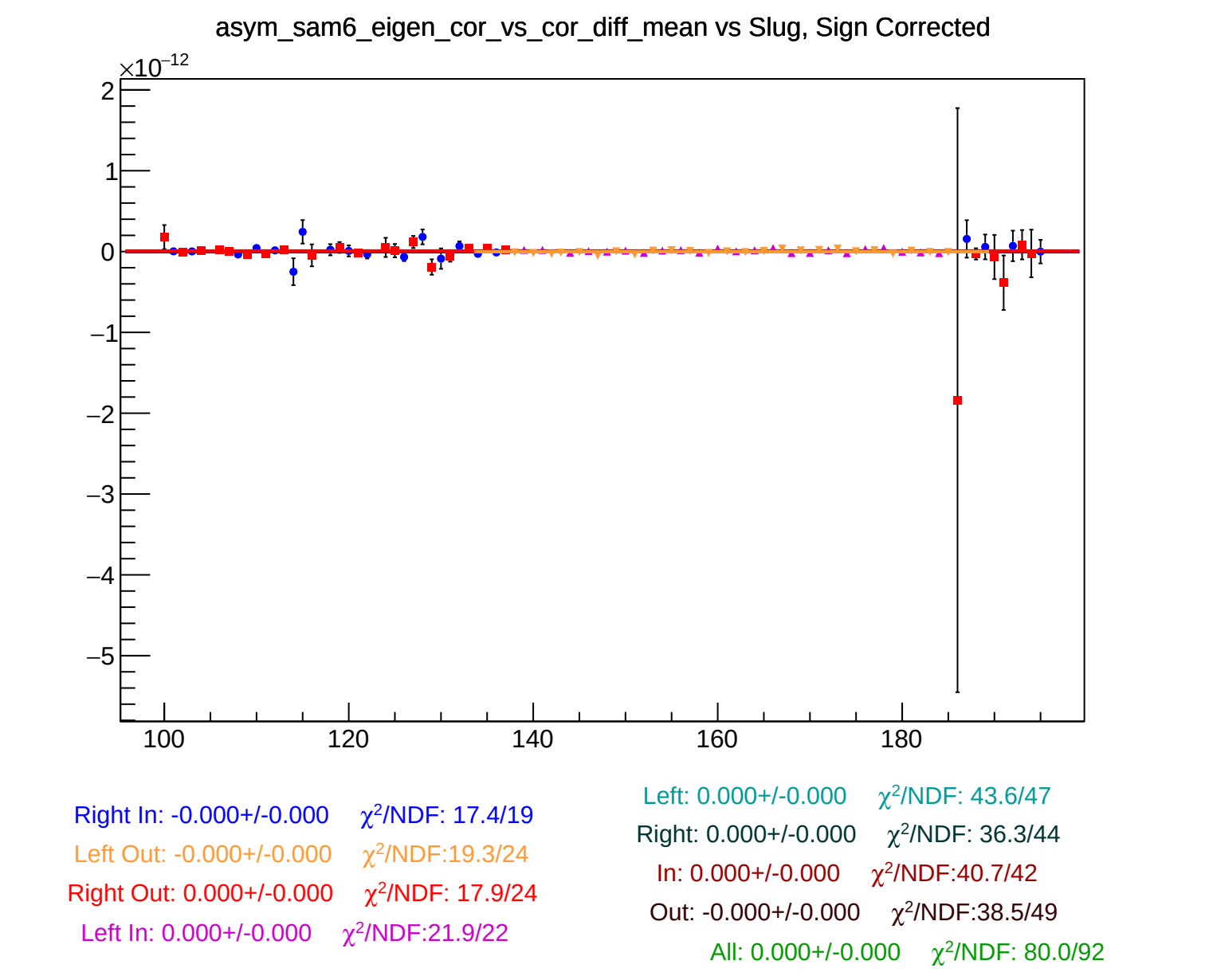
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

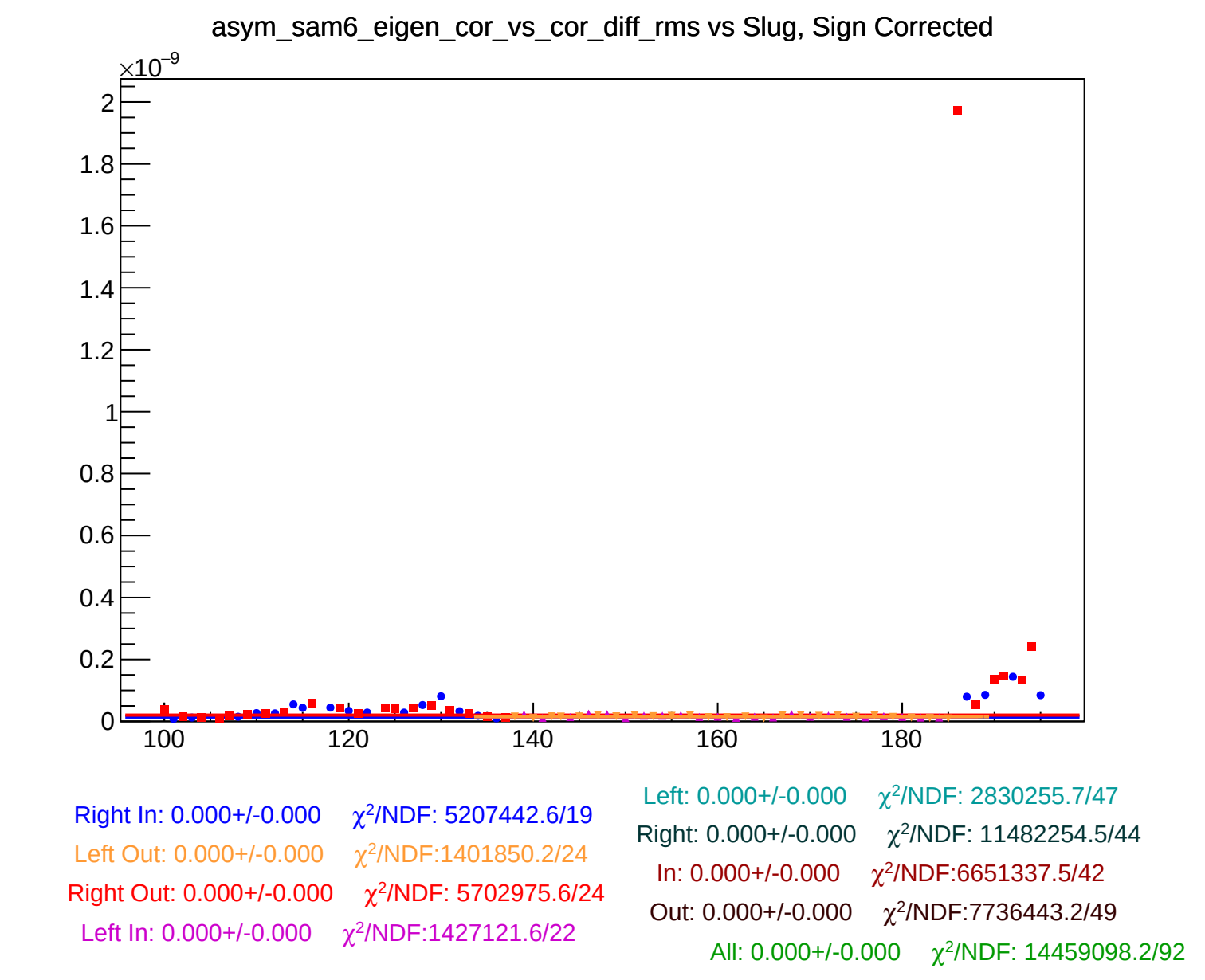
Right: 42.054+/-0.007 χ^2/NDF: 7467661.0/44

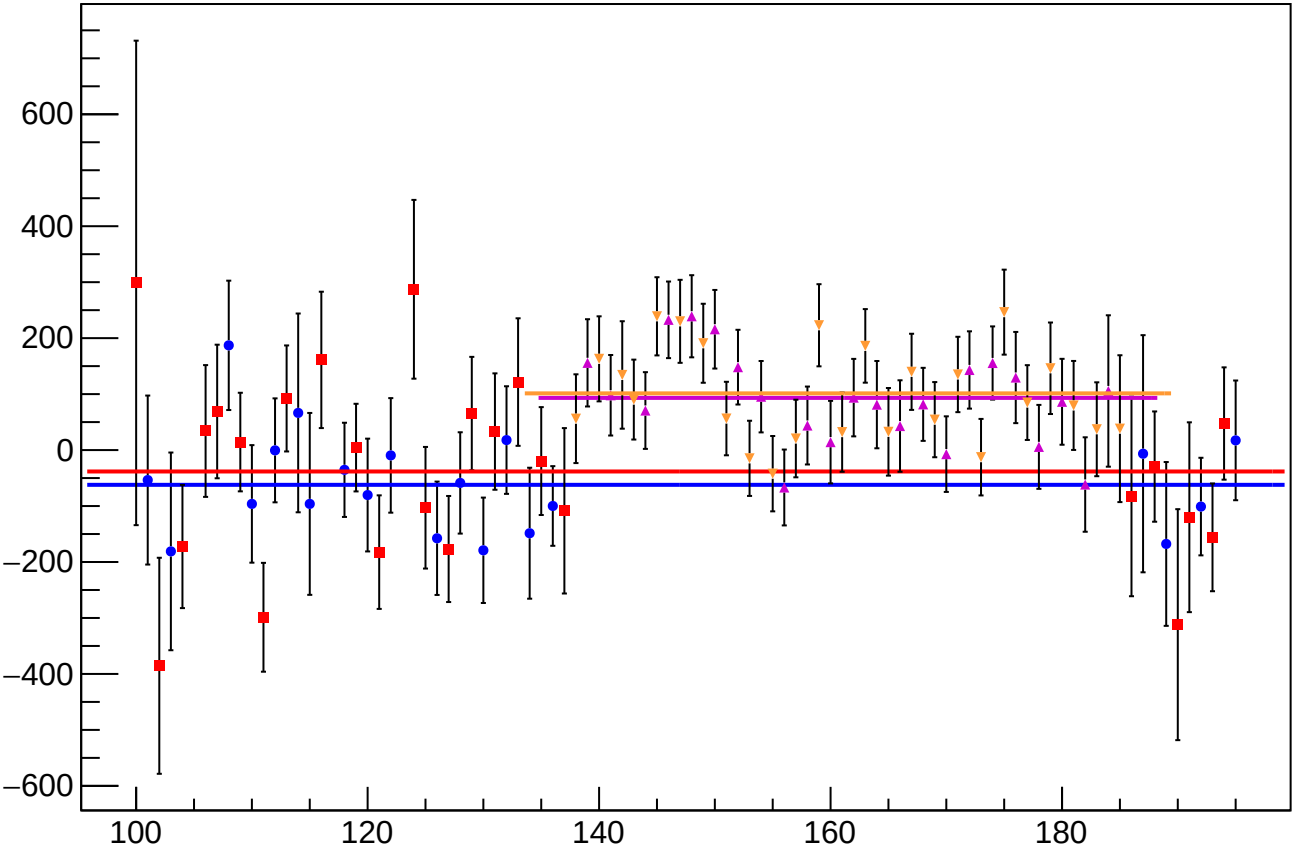
In: 50.240+/-0.007 χ^2/NDF:5043781.8/42

Out: 48.863+/-0.007 χ^2/NDF:7199833.6/49

All: 49.517+/-0.005 χ^2/NDF: 12263030.8/92


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 17.4/19
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.9/24
Left In: 0.000+/-0.000 χ²/NDF:21.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.6/47
Right: 0.000+/-0.000 χ²/NDF: 36.3/44
In: 0.000+/-0.000 χ²/NDF:40.7/42
Out: -0.000+/-0.000 χ²/NDF:38.5/49
All: 0.000+/-0.000 χ²/NDF: 80.0/92


asym_sam6_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
Right In: 0.000+/-0.000 χ²/NDF: 5207442.6/19
Left Out: 0.000+/-0.000 χ²/NDF:1401850.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 5702975.6/24
Left In: 0.000+/-0.000 χ²/NDF:1427121.6/22
Left: 0.000+/-0.000 χ²/NDF: 2830255.7/47
Right: 0.000+/-0.000 χ²/NDF: 11482254.5/44
In: 0.000+/-0.000 χ²/NDF:6651337.5/42
Out: 0.000+/-0.000 χ²/NDF:7736443.2/49
All: 0.000+/-0.000 χ²/NDF: 14459098.2/92



Right In: -62.108+/-23.829 χ^2/NDF: 11.9/19

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -38.247+/-22.436 χ^2/NDF: 35.6/24

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

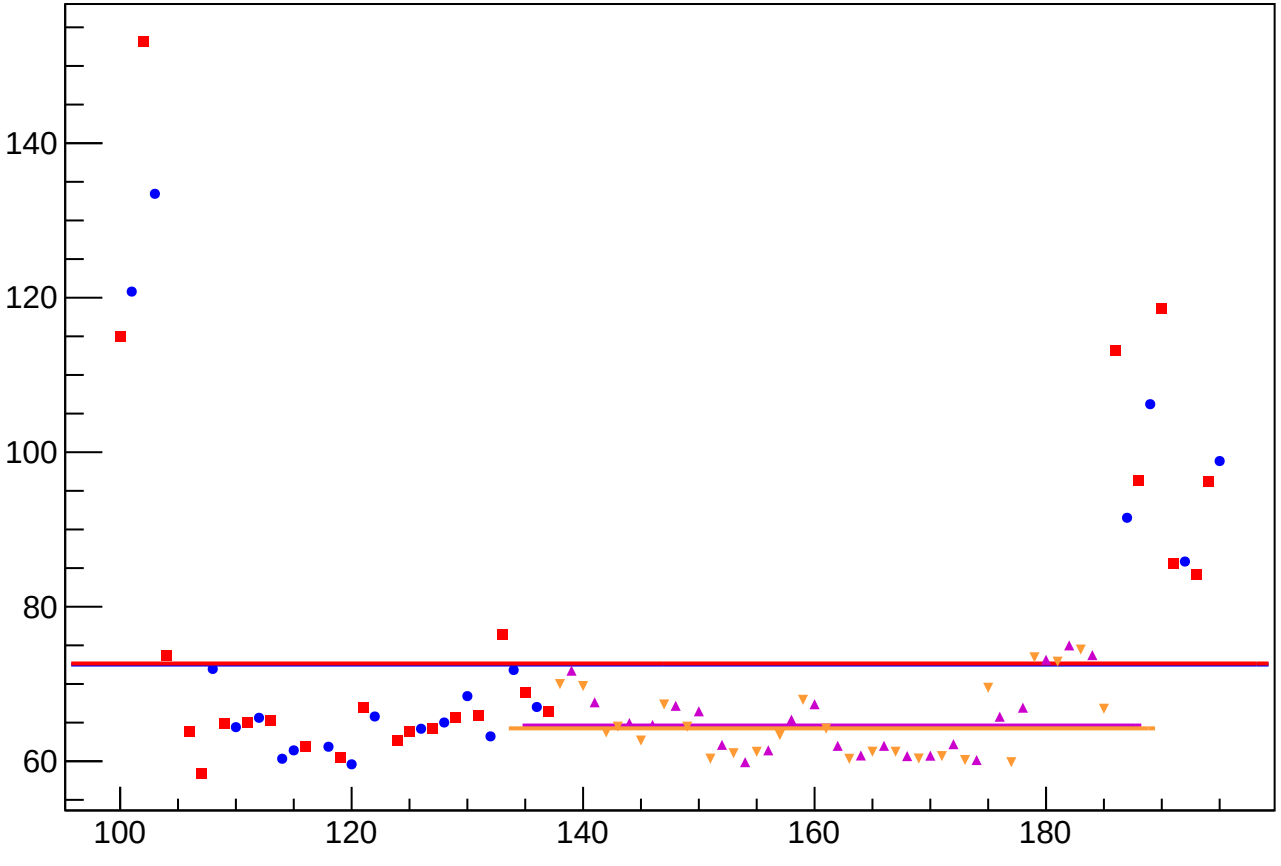
Right: -49.460+/-16.335 χ^2/NDF: 48.1/44

In: 48.574+/-12.777 χ^2/NDF:71.0/42

Out: 59.638+/-12.262 χ^2/NDF:96.6/49

All: 54.334+/-8.847 χ^2/NDF: 168.1/92

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.513+/-0.017 χ^2/NDF: 909617.3/19

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 72.652+/-0.016 χ^2/NDF: 1049335.4/24

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

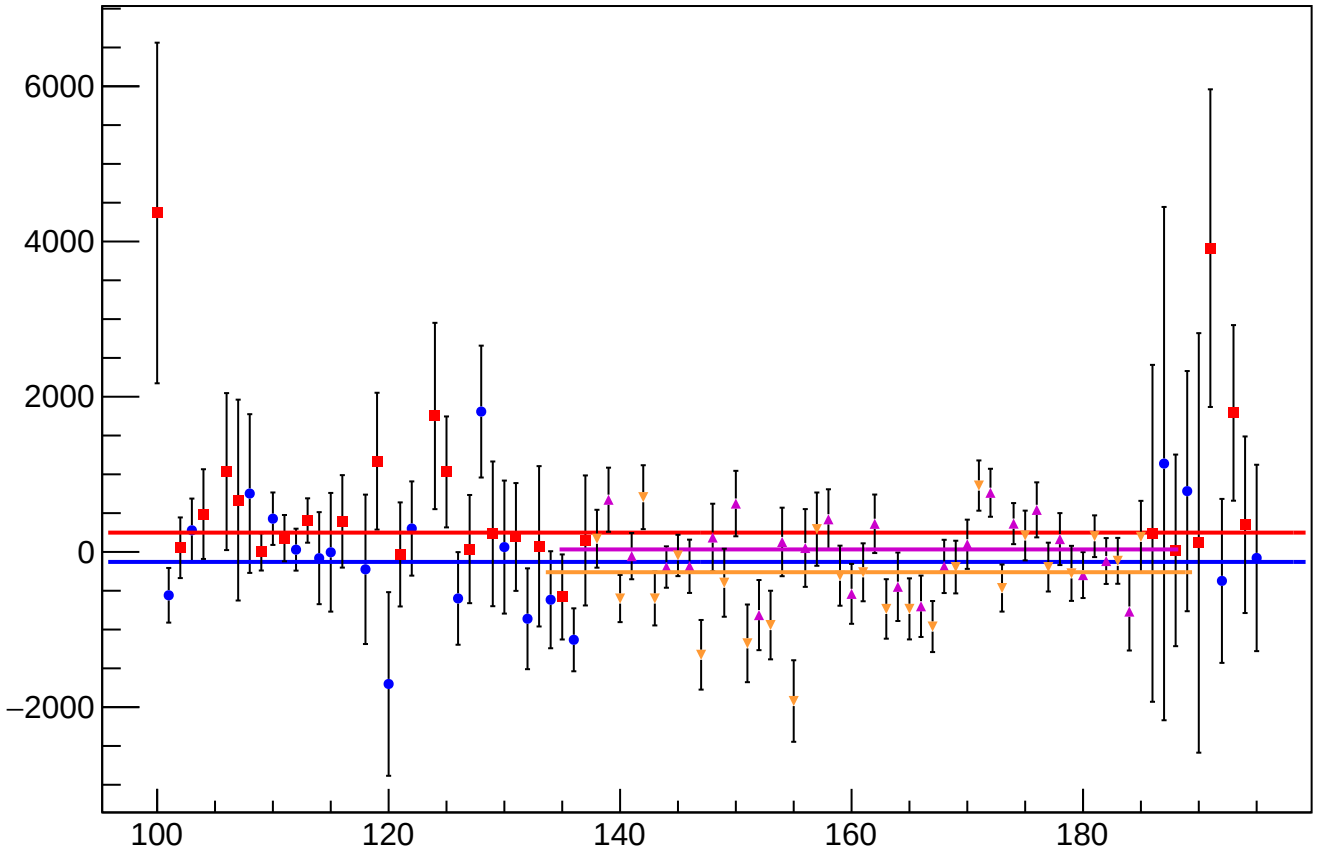
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 72.587+/-0.012 χ^2/NDF: 1958989.1/44

In: 66.890+/-0.009 χ^2/NDF:1213120.3/42

Out: 66.764+/-0.009 χ^2/NDF:1423492.8/49

All: 66.824+/-0.006 χ^2/NDF: 2636715.3/92



Right In: -128.624+/-123.860 χ^2/NDF: 23.0/19

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 248.911+/-115.561 χ^2/NDF: 17.7/24

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

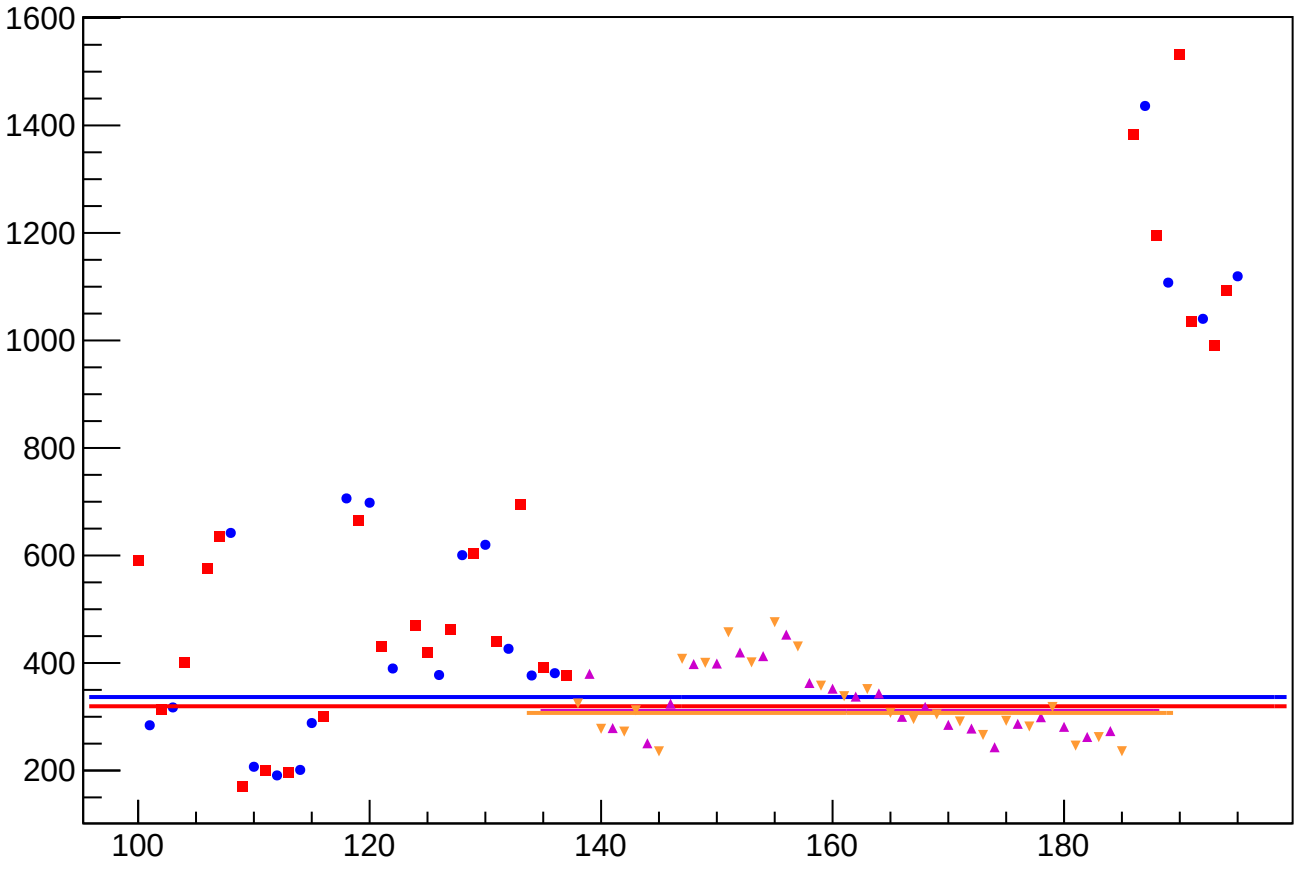
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 73.214+/-84.496 χ^2/NDF: 45.7/44

In: -9.803+/-63.423 χ^2/NDF:56.0/42

Out: -120.589+/-60.660 χ^2/NDF:90.6/49

All: -67.661+/-43.837 χ^2/NDF: 148.2/92



Right In: 336.680+/-0.088 χ^2/NDF: 4658670.0/19

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 319.528+/-0.082 χ^2/NDF: 6614900.6/24

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

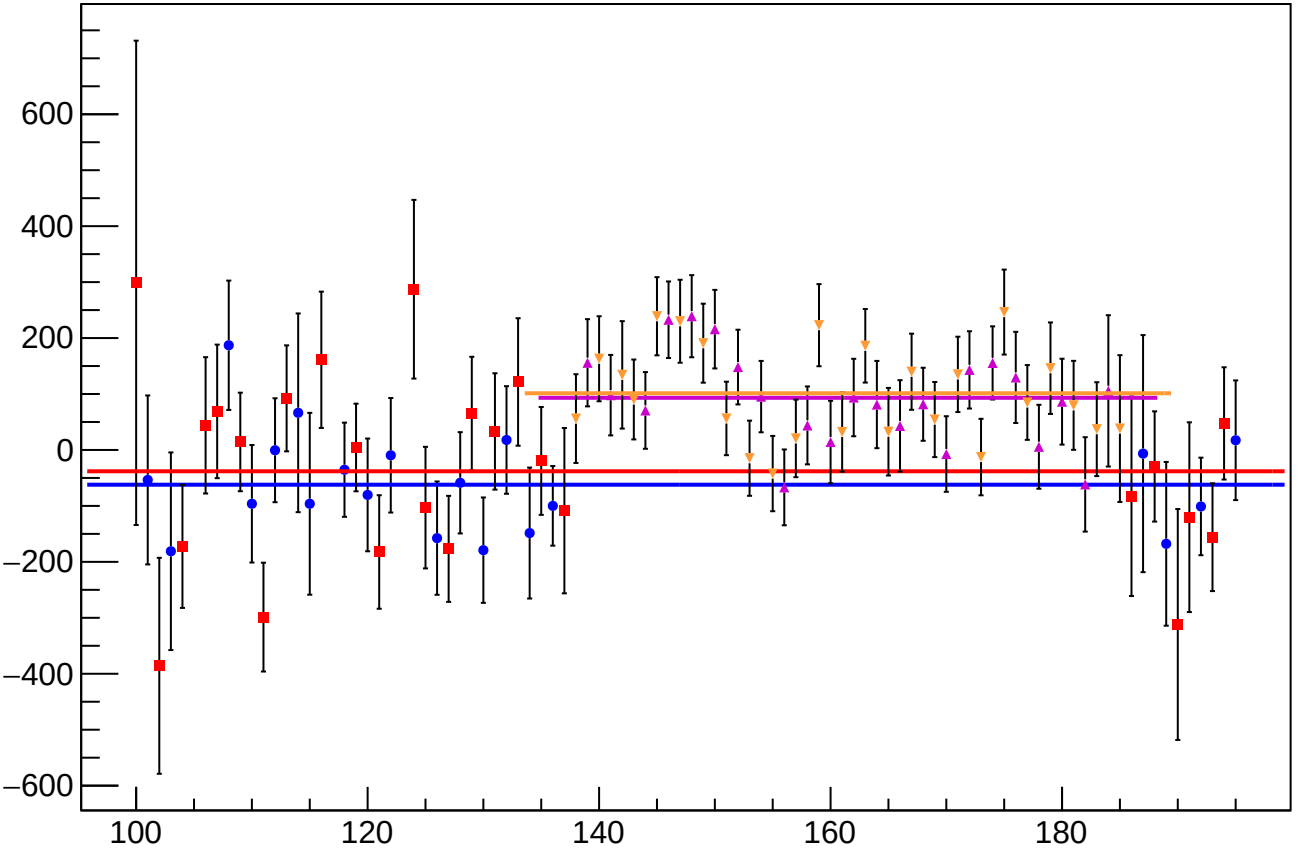
Right: 327.510+/-0.060 χ^2/NDF: 11294073.9/44

In: 317.510+/-0.045 χ^2/NDF:5803080.0/42

Out: 310.556+/-0.043 χ^2/NDF:7951694.7/49

All: 313.878+/-0.031 χ^2/NDF: 13767332.5/92

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -62.108+/-23.829 χ^2/NDF: 11.9/19

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -38.085+/-22.463 χ^2/NDF: 35.7/24

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

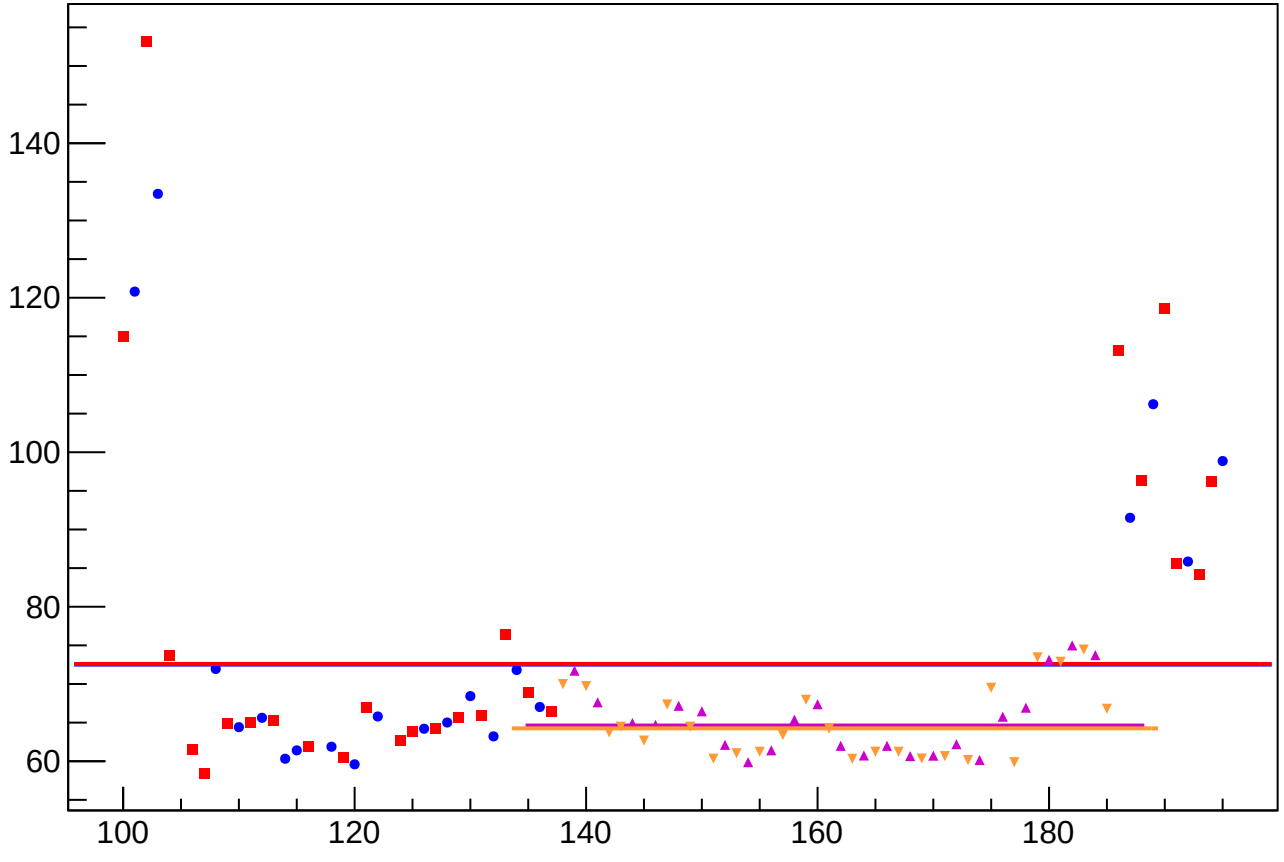
Right: -49.389+/-16.345 χ^2/NDF: 48.1/44

In: 48.574+/-12.777 χ^2/NDF:71.0/42

Out: 59.756+/-12.266 χ^2/NDF:96.6/49

All: 54.393+/-8.848 χ^2/NDF: 168.0/92

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.513+/-0.017 χ^2/NDF: 909617.7/19

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 72.593+/-0.016 χ^2/NDF: 1054935.6/24

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

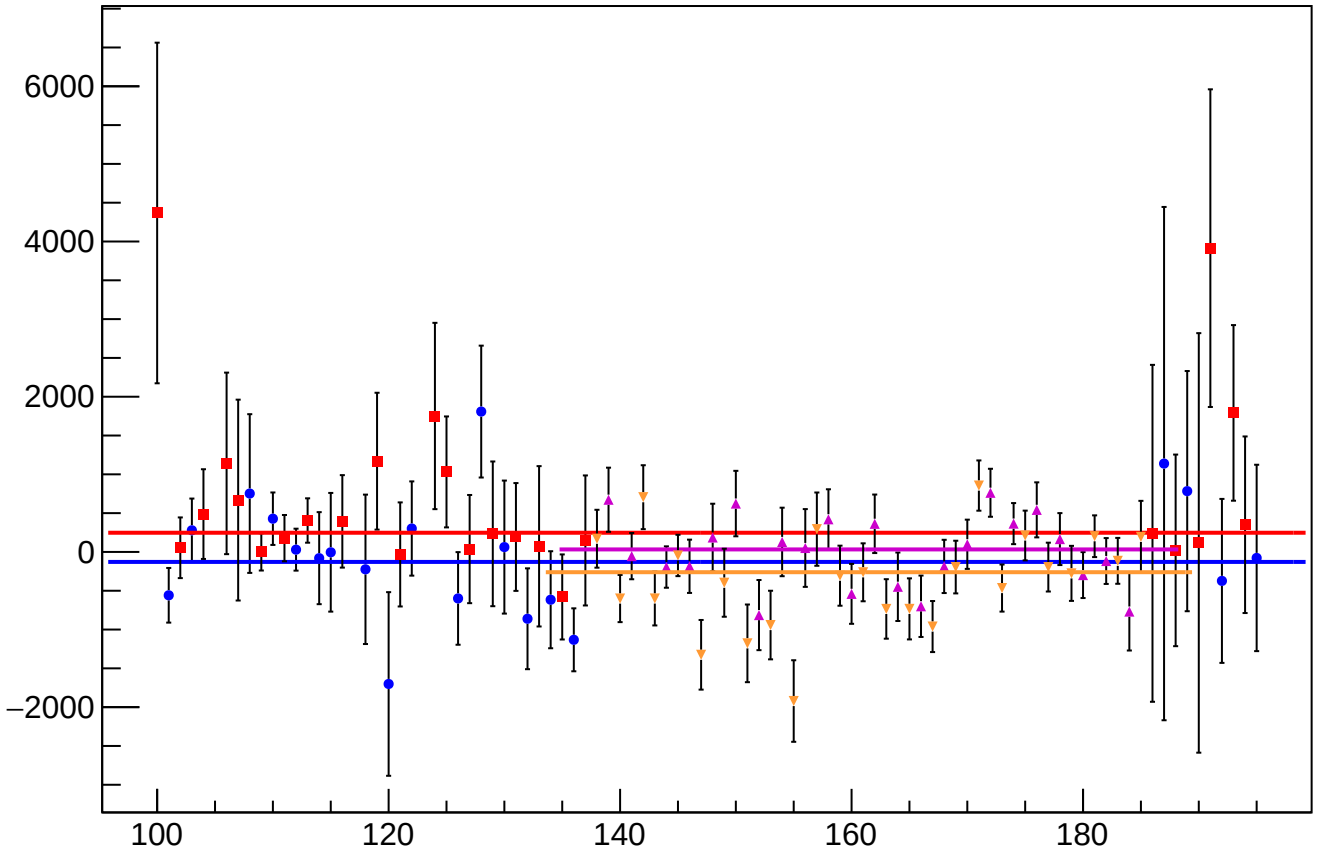
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 72.555+/-0.012 χ^2/NDF: 1964565.2/44

In: 66.890+/-0.009 χ^2/NDF:1213120.7/42

Out: 66.742+/-0.009 χ^2/NDF:1425998.6/49

All: 66.813+/-0.006 χ^2/NDF: 2639259.8/92



Right In: -128.620+/-123.861 χ^2/NDF: 23.0/19

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 247.359+/-115.757 χ^2/NDF: 17.7/24

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

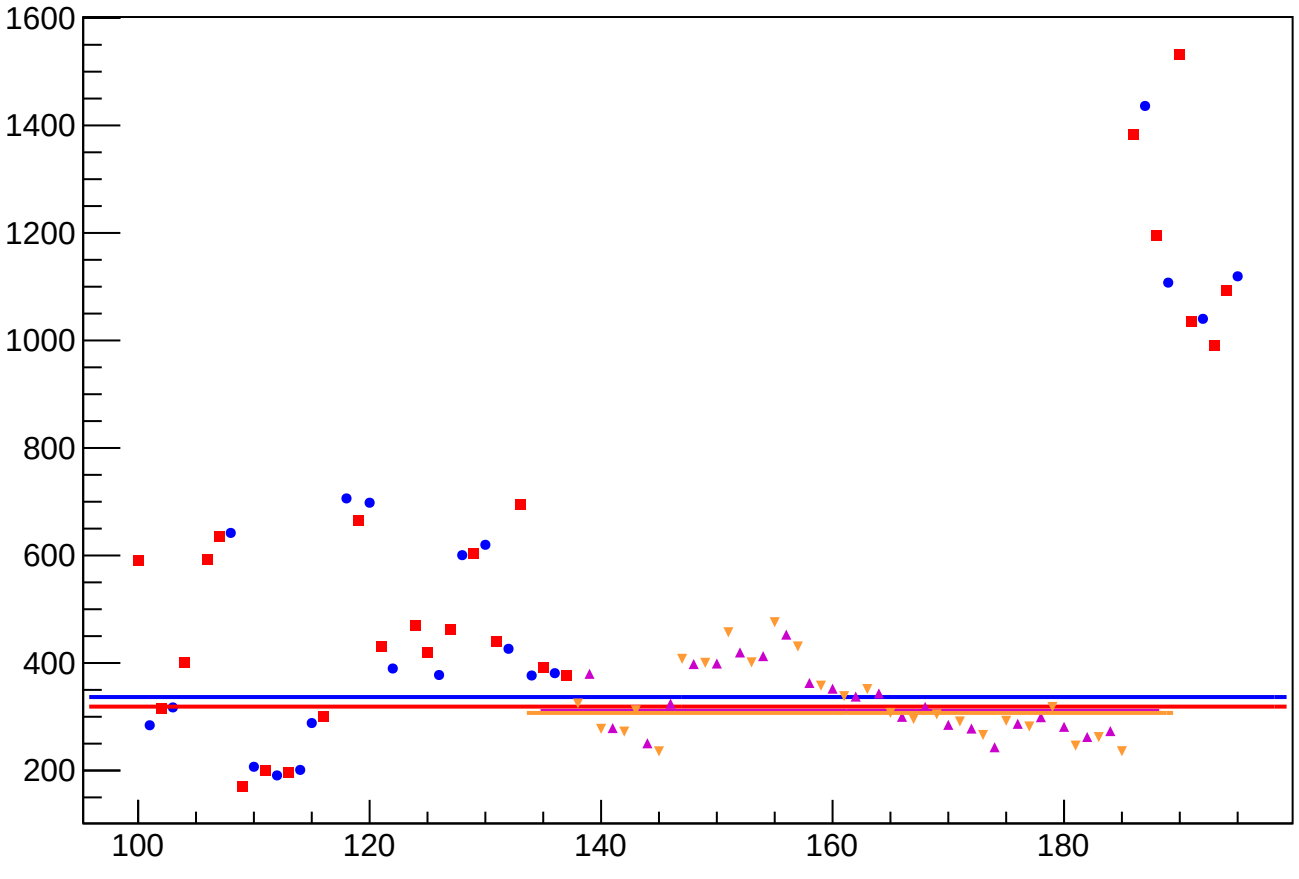
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 72.071+/-84.572 χ^2/NDF: 45.6/44

In: -9.804+/-63.423 χ^2/NDF:56.0/42

Out: -121.360+/-60.688 χ^2/NDF:90.5/49

All: -68.039+/-43.848 χ^2/NDF: 148.1/92



Right In: 336.682+/-0.088 χ^2/NDF: 4658658.3/19

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 318.872+/-0.082 χ^2/NDF: 6596431.7/24

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

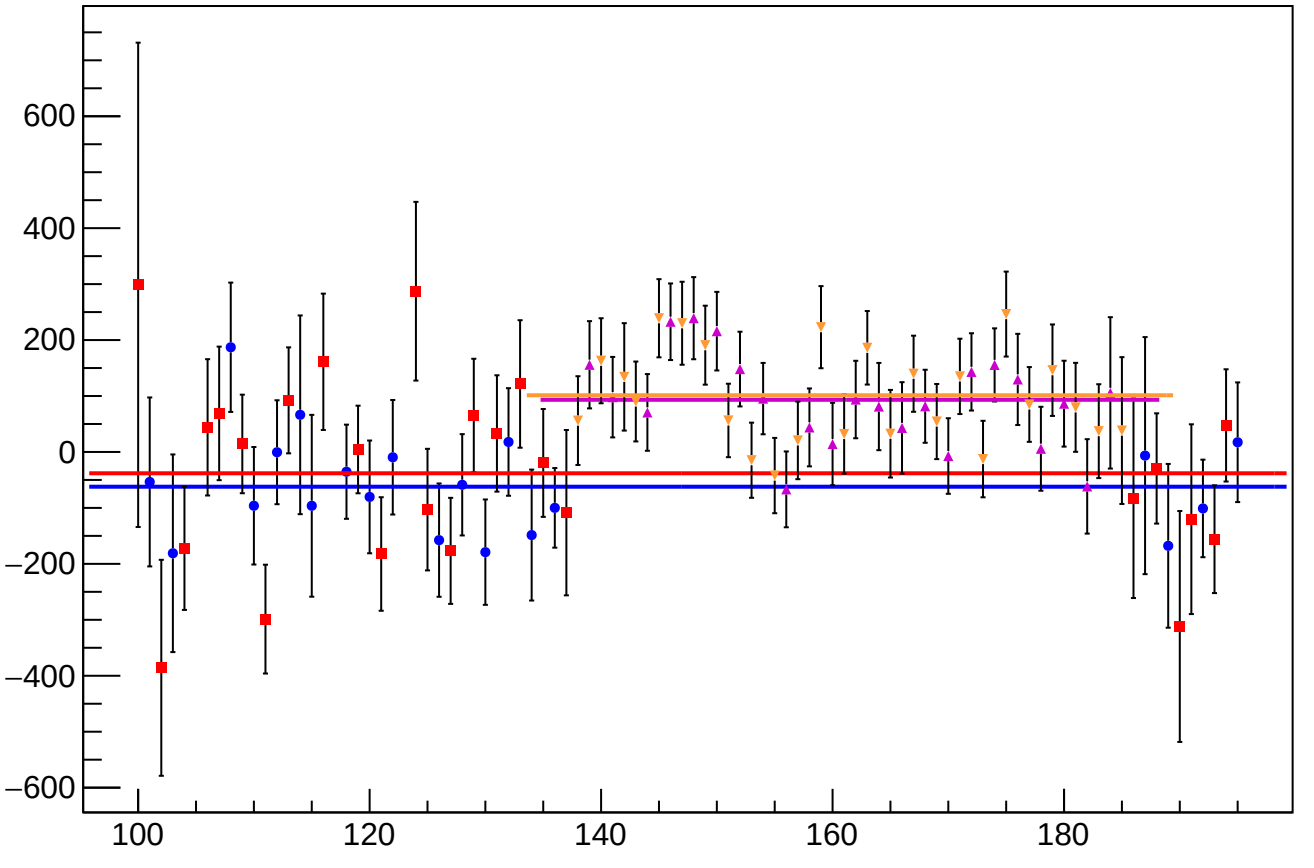
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 327.176+/-0.060 χ^2/NDF: 11277162.2/44

In: 317.511+/-0.045 χ^2/NDF:5803081.6/42

Out: 310.367+/-0.043 χ^2/NDF:7931469.4/49

All: 313.782+/-0.031 χ^2/NDF: 13747796.0/92



Right In: -62.108+/-23.829 χ^2/NDF: 11.9/19

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -38.085+/-22.463 χ^2/NDF: 35.7/24

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

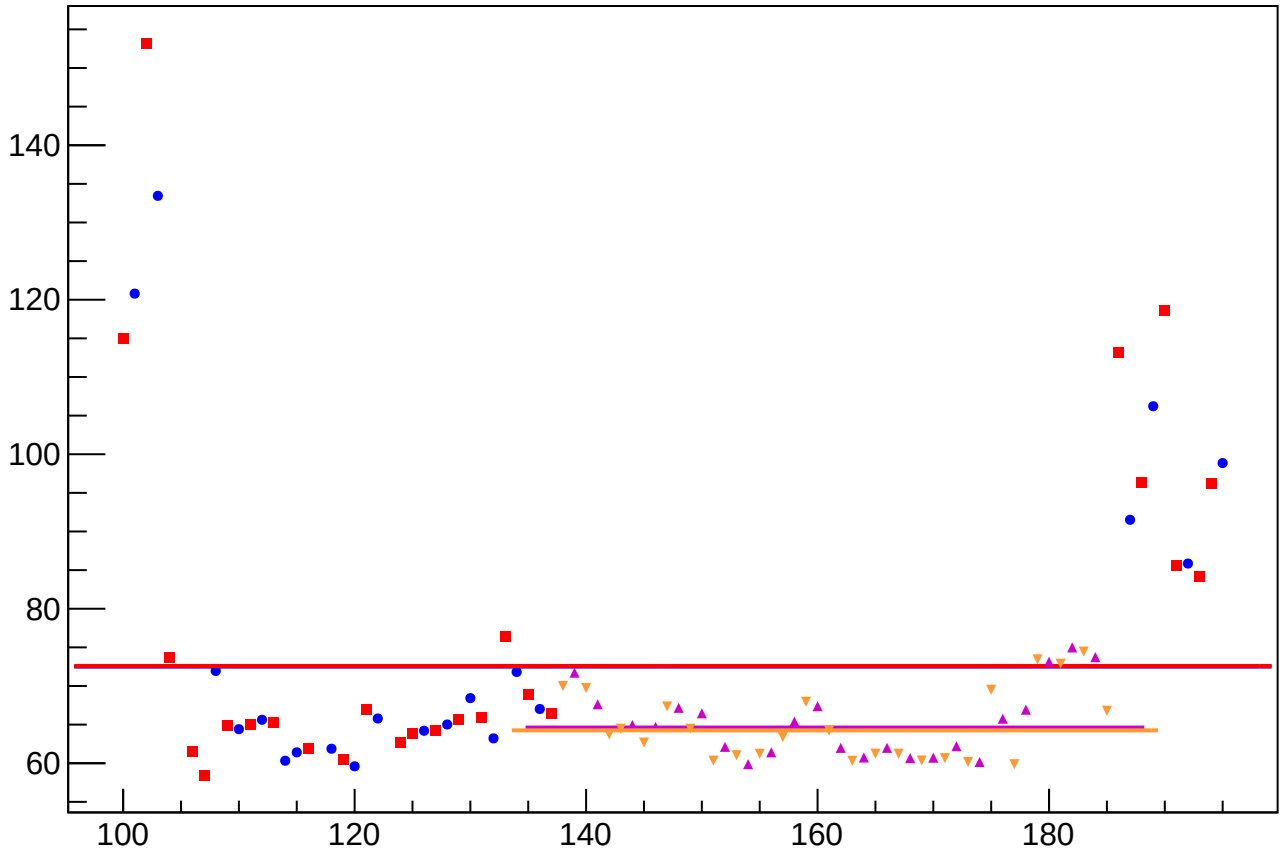
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -49.389+/-16.345 χ^2/NDF: 48.1/44

In: 48.574+/-12.777 χ^2/NDF:71.0/42

Out: 59.756+/-12.266 χ^2/NDF:96.6/49

All: 54.393+/-8.848 χ^2/NDF: 168.0/92



Right In: 72.513+/-0.017 χ^2/NDF: 909617.7/19

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 72.593+/-0.016 χ^2/NDF: 1054935.6/24

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

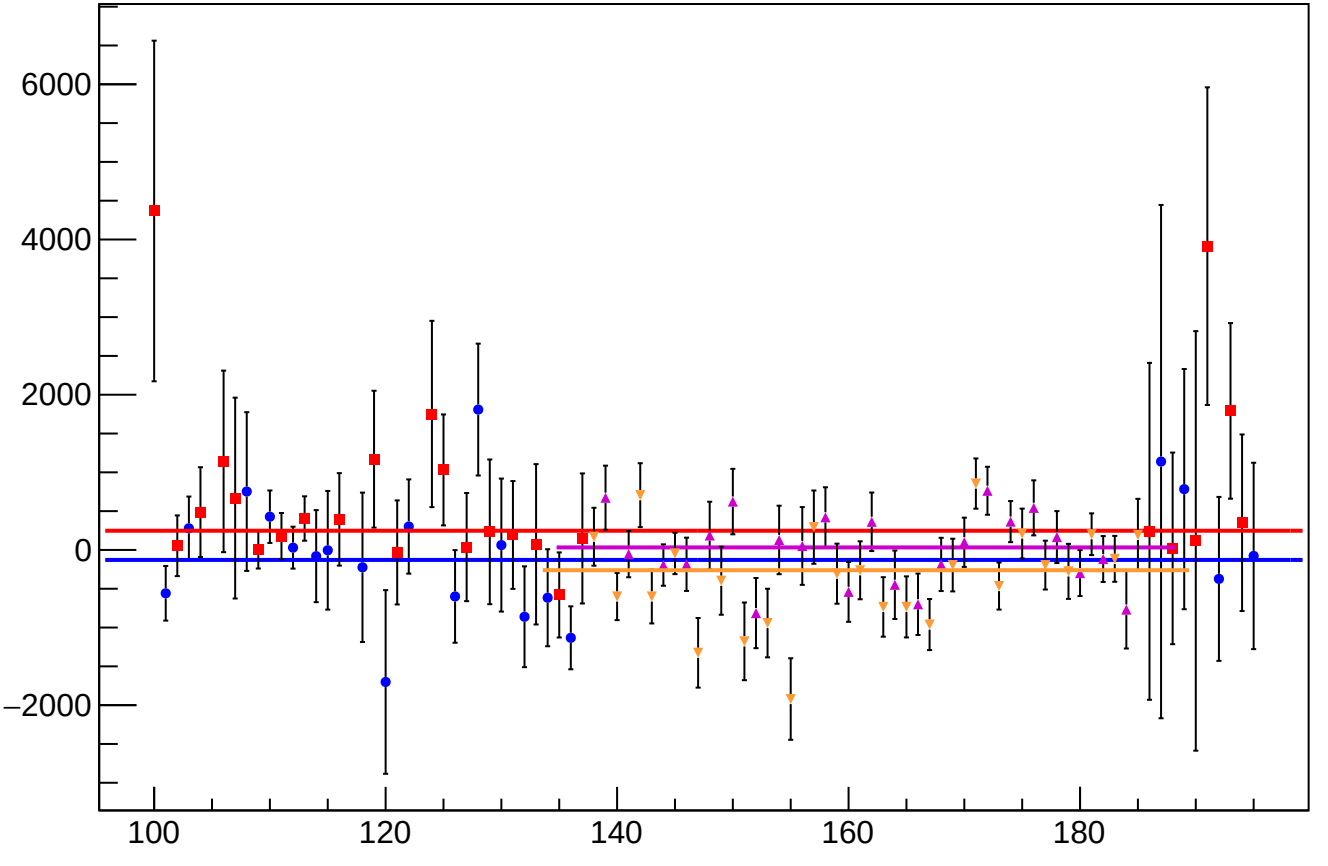
Right: 72.555+/-0.012 χ^2/NDF: 1964565.2/44

In: 66.890+/-0.009 χ^2/NDF:1213120.7/42

Out: 66.742+/-0.009 χ^2/NDF:1425998.6/49

All: 66.813+/-0.006 χ^2/NDF: 2639259.8/92

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.620+/-123.861 χ^2/NDF: 23.0/19

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 247.359+/-115.757 χ^2/NDF: 17.7/24

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

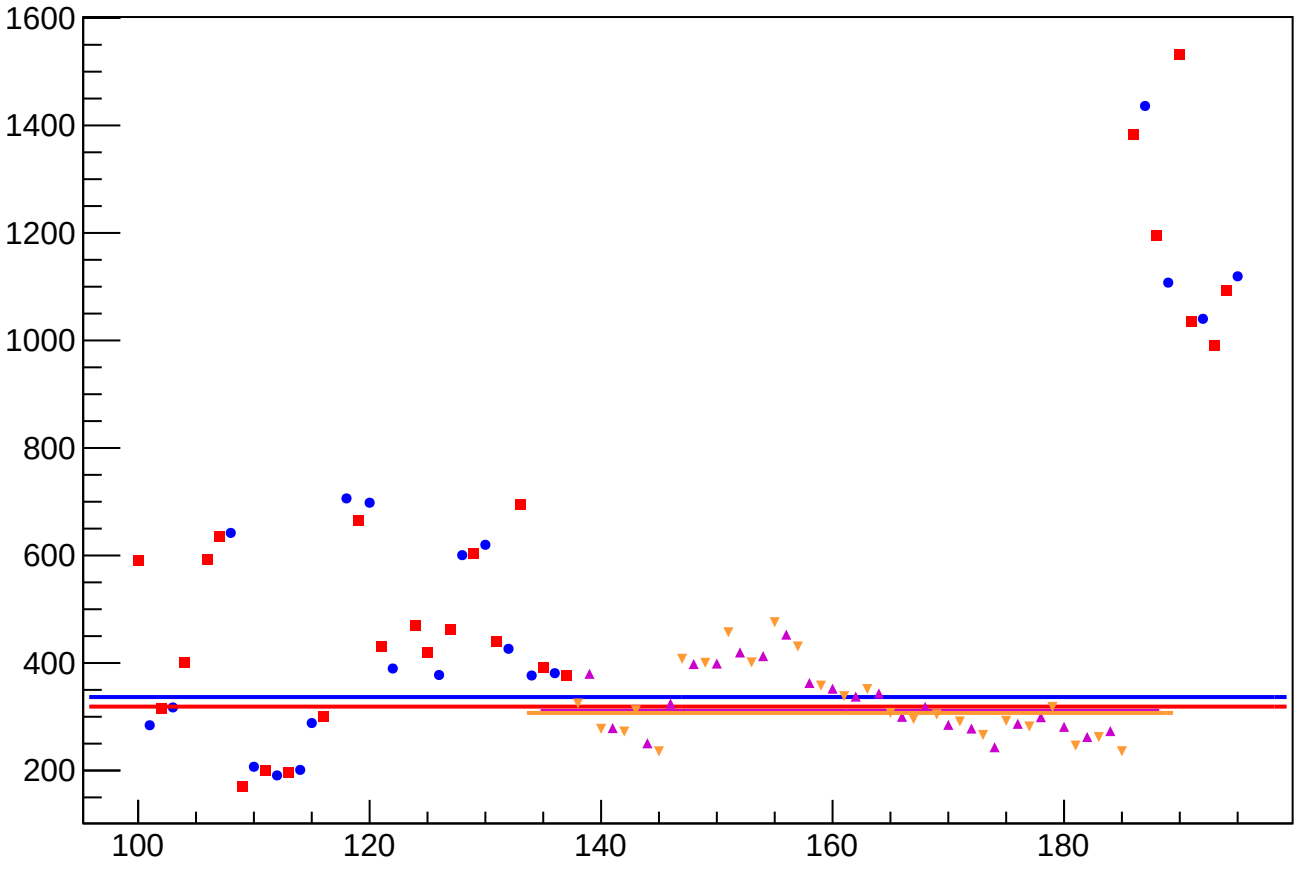
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 72.071+/-84.572 χ^2/NDF: 45.6/44

In: -9.804+/-63.423 χ^2/NDF:56.0/42

Out: -121.360+/-60.688 χ^2/NDF:90.5/49

All: -68.039+/-43.848 χ^2/NDF: 148.1/92



Right In: 336.682+/-0.088 χ^2/NDF: 4658658.3/19

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 318.872+/-0.082 χ^2/NDF: 6596431.7/24

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

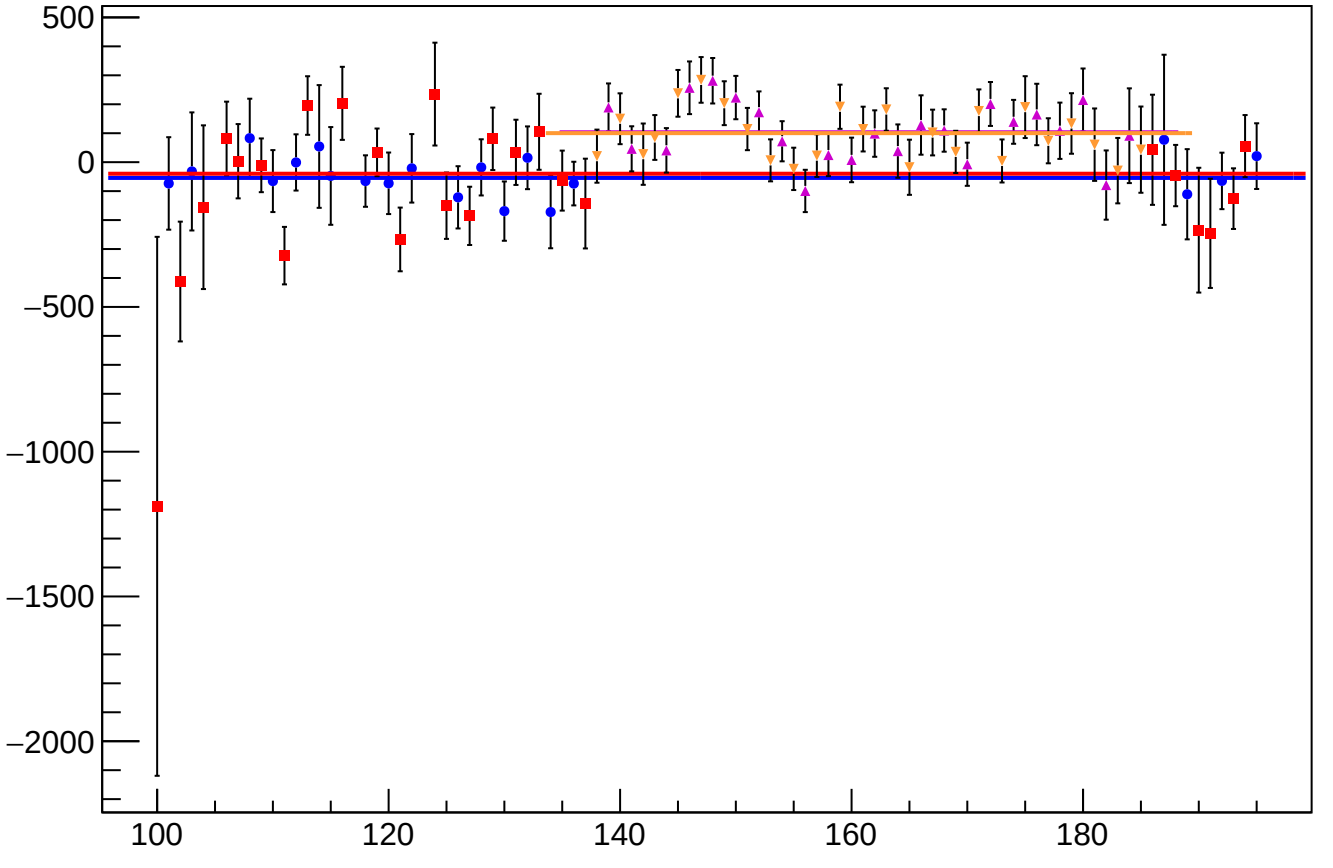
Right: 327.176+/-0.060 χ^2/NDF: 11277162.2/44

In: 317.511+/-0.045 χ^2/NDF:5803081.6/42

Out: 310.367+/-0.043 χ^2/NDF:7931469.4/49

All: 313.782+/-0.031 χ^2/NDF: 13747796.0/92

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -54.406+/-25.793 χ^2/NDF: 5.7/19

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -39.895+/-24.421 χ^2/NDF: 40.9/24

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

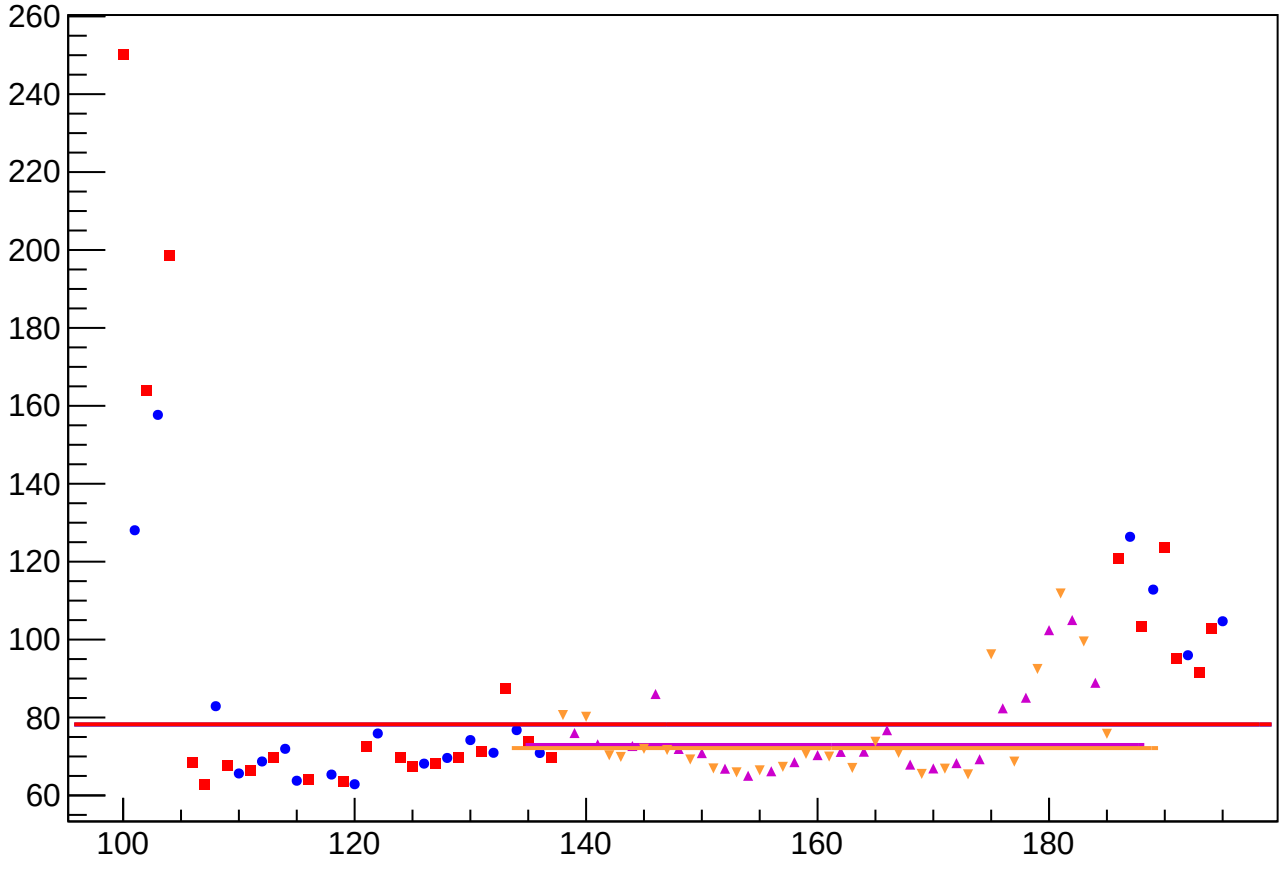
Right: -46.754+/-17.733 χ^2/NDF: 46.7/44

In: 54.563+/-14.345 χ^2/NDF:64.2/42

Out: 55.886+/-13.743 χ^2/NDF:91.1/49

All: 55.253+/-9.924 χ^2/NDF: 155.3/92

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 78.186+/-0.018 χ^2/NDF: 1040613.0/19

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 78.252+/-0.017 χ^2/NDF: 1516132.2/24

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

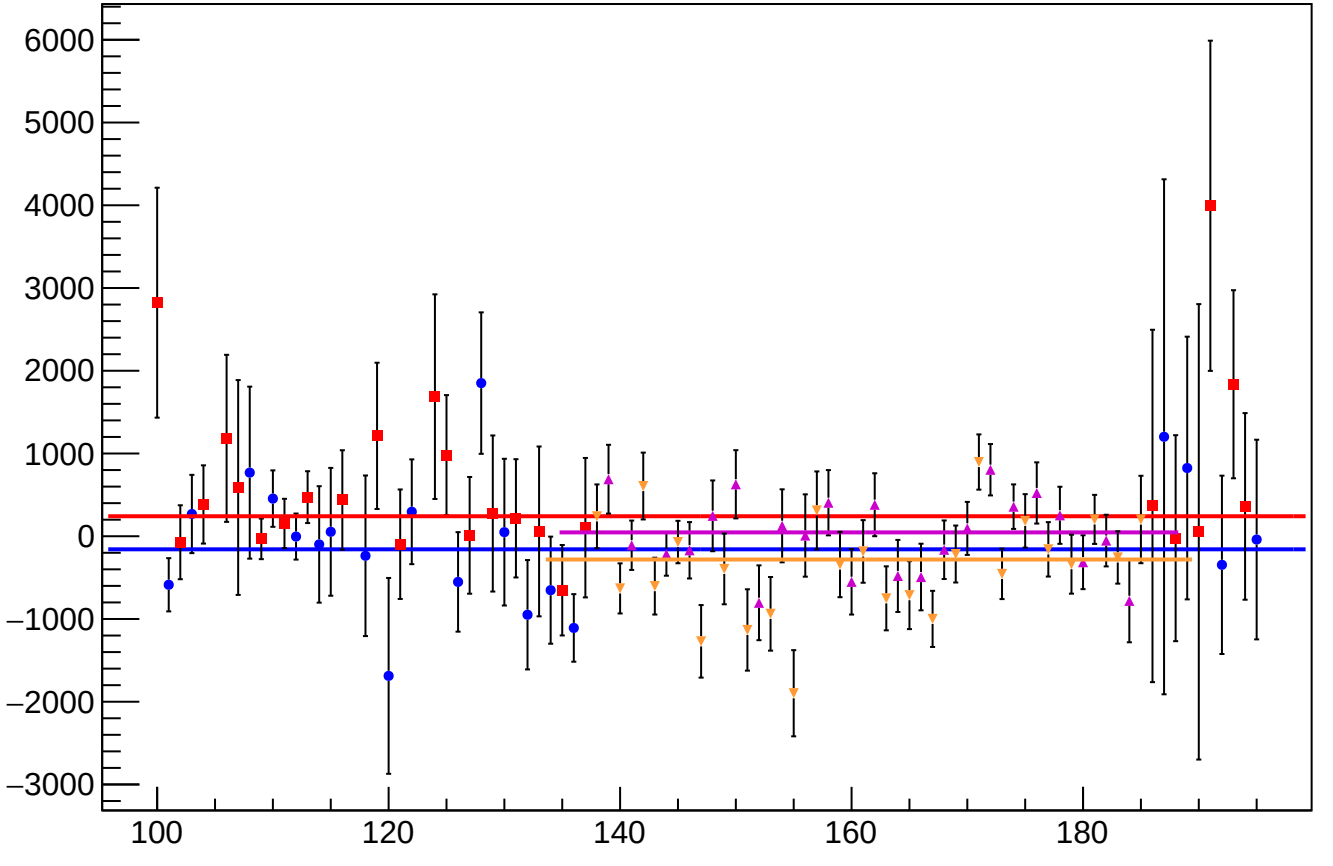
Right: 78.221+/-0.013 χ^2/NDF: 2556752.1/44

In: 74.568+/-0.010 χ^2/NDF:1606607.3/42

Out: 74.082+/-0.010 χ^2/NDF:2243426.1/49

All: 74.315+/-0.007 χ^2/NDF: 3851231.7/92

asym_sam7_dit_correction_mean vs Slug, Sign Corrected



Right In: -158.076+/-126.321 χ^2/NDF: 23.2/19

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 241.682+/-117.758 χ^2/NDF: 19.2/24

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

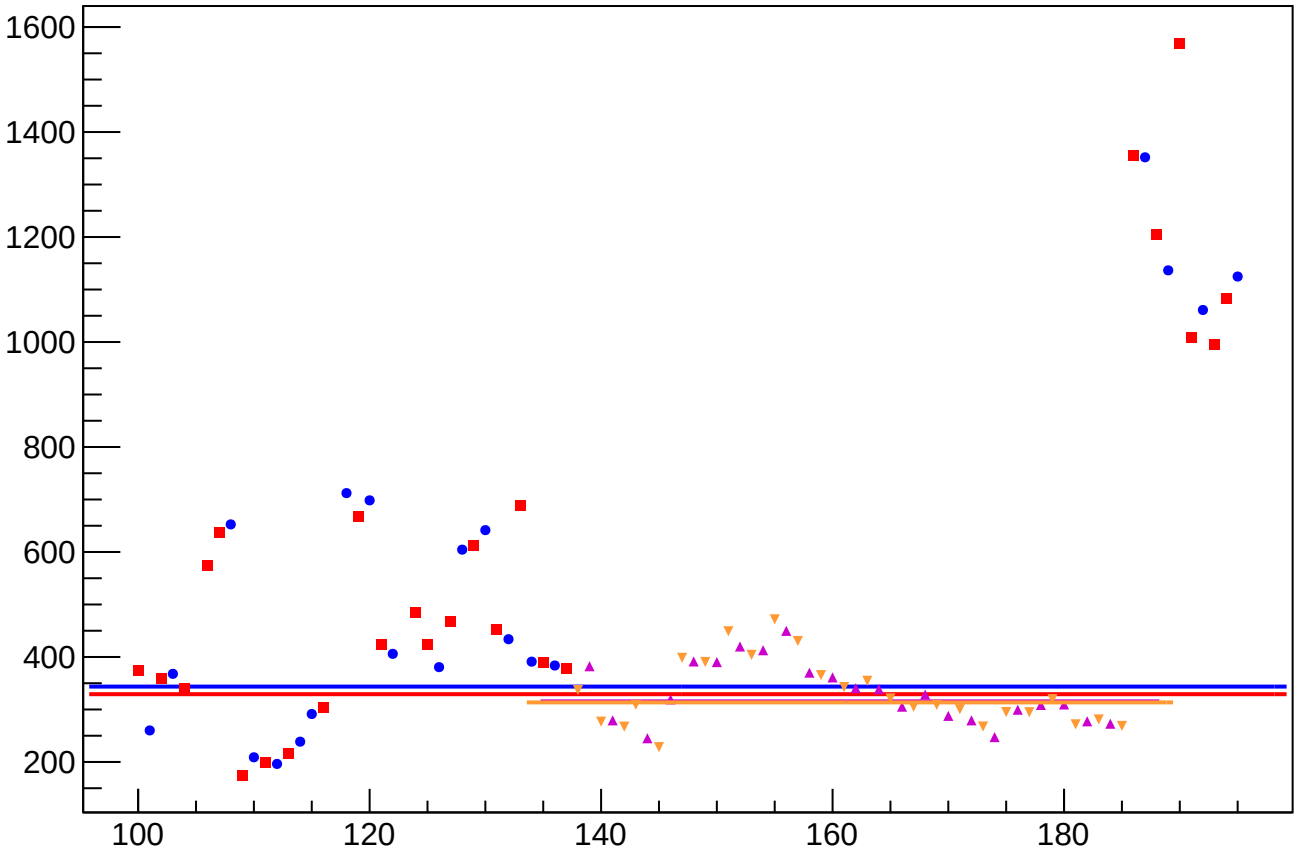
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 55.810+/-86.136 χ^2/NDF: 47.8/44

In: -6.660+/-64.424 χ^2/NDF:55.9/42

Out: -137.375+/-61.761 χ^2/NDF:90.4/49

All: -74.776+/-44.583 χ^2/NDF: 148.4/92



Right In: 343.613+/-0.089 χ^2/NDF: 4651313.6/19

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 329.129+/-0.083 χ^2/NDF: 6358545.7/24

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

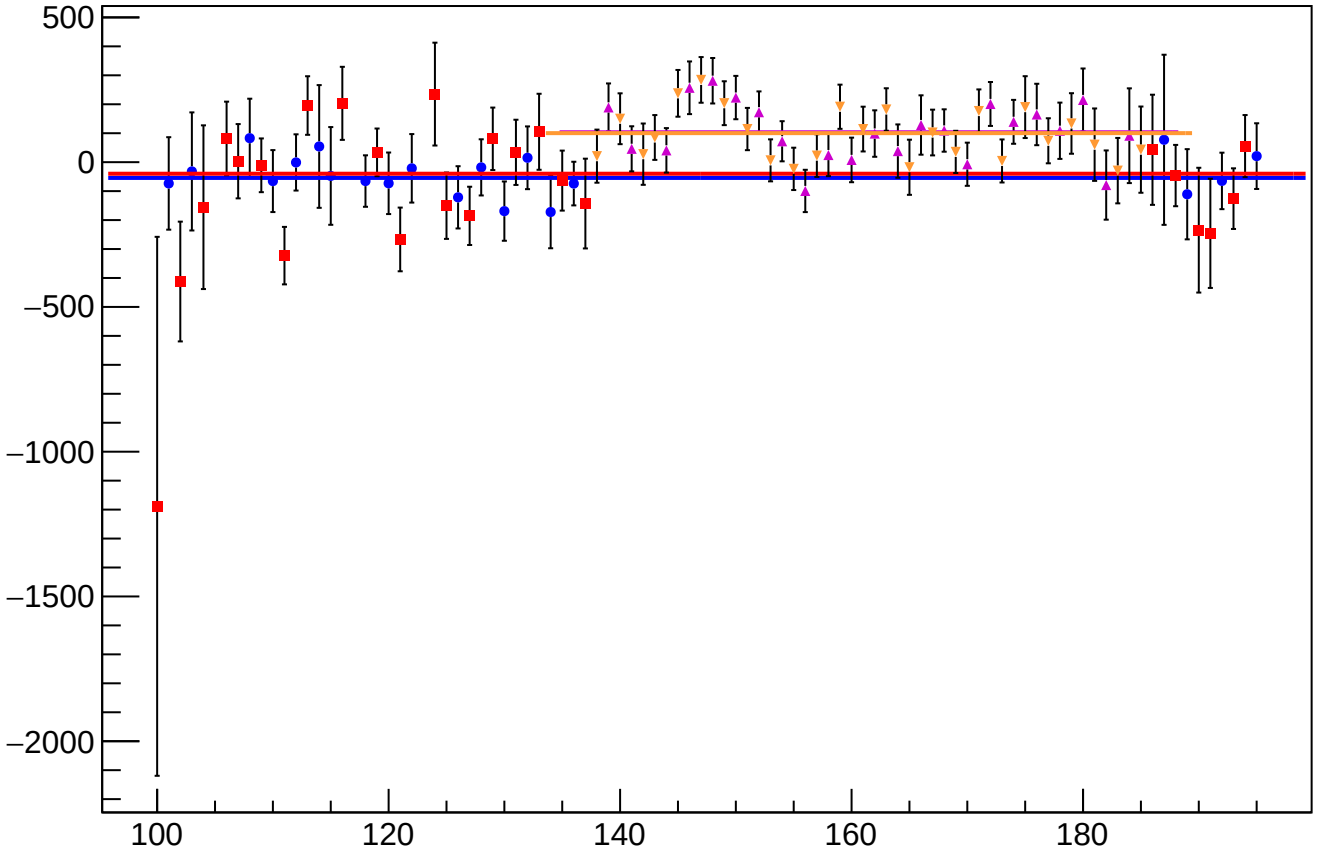
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 335.863+/-0.061 χ^2/NDF: 11023928.6/44

In: 322.779+/-0.046 χ^2/NDF:5733363.7/42

Out: 317.799+/-0.044 χ^2/NDF:7559612.5/49

All: 320.184+/-0.032 χ^2/NDF: 13299204.1/92



Right In: -54.405+/-25.793 χ^2/NDF: 5.7/19

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -39.896+/-24.421 χ^2/NDF: 40.9/24

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

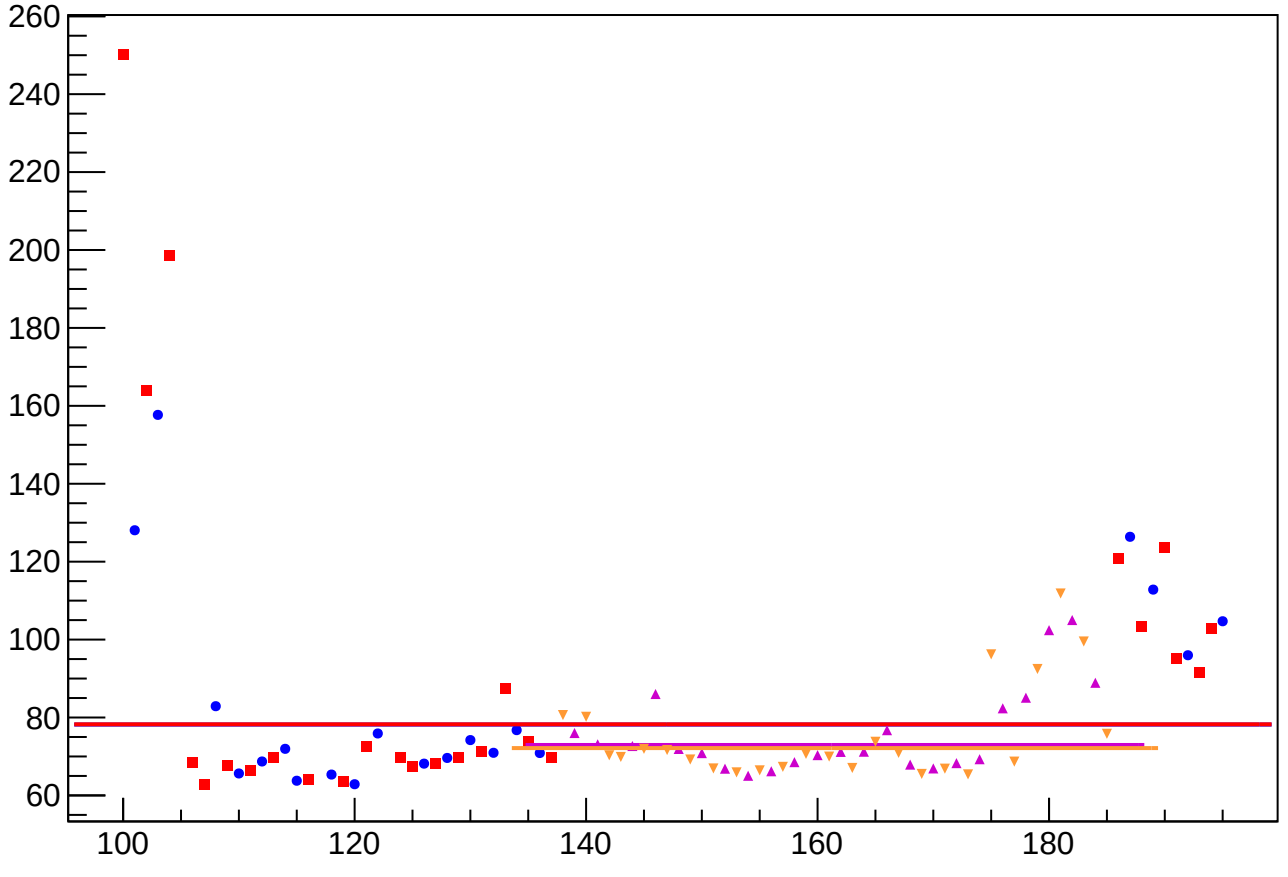
Right: -46.754+/-17.733 χ^2/NDF: 46.7/44

In: 54.563+/-14.345 χ^2/NDF:64.2/42

Out: 55.886+/-13.743 χ^2/NDF:91.1/49

All: 55.253+/-9.924 χ^2/NDF: 155.3/92

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 78.186+/-0.018 χ^2/NDF: 1040621.1/19

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 78.251+/-0.017 χ^2/NDF: 1516128.7/24

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

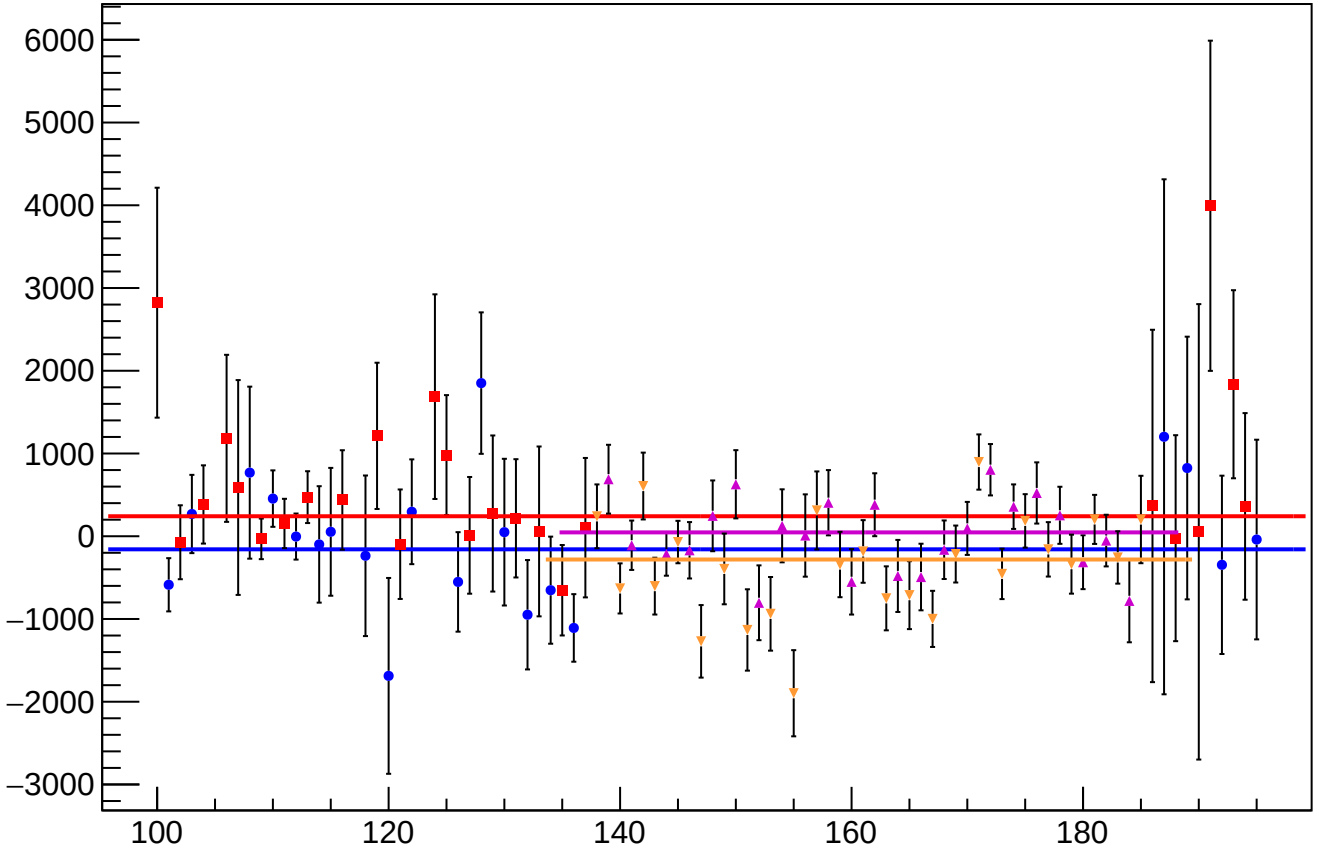
Right: 78.220+/-0.013 χ^2/NDF: 2556756.6/44

In: 74.568+/-0.010 χ^2/NDF:1606612.9/42

Out: 74.082+/-0.010 χ^2/NDF:2243416.3/49

All: 74.315+/-0.007 χ^2/NDF: 3851227.5/92

asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -158.075+/-126.321 χ^2/NDF: 23.2/19

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 241.681+/-117.758 χ^2/NDF: 19.2/24

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

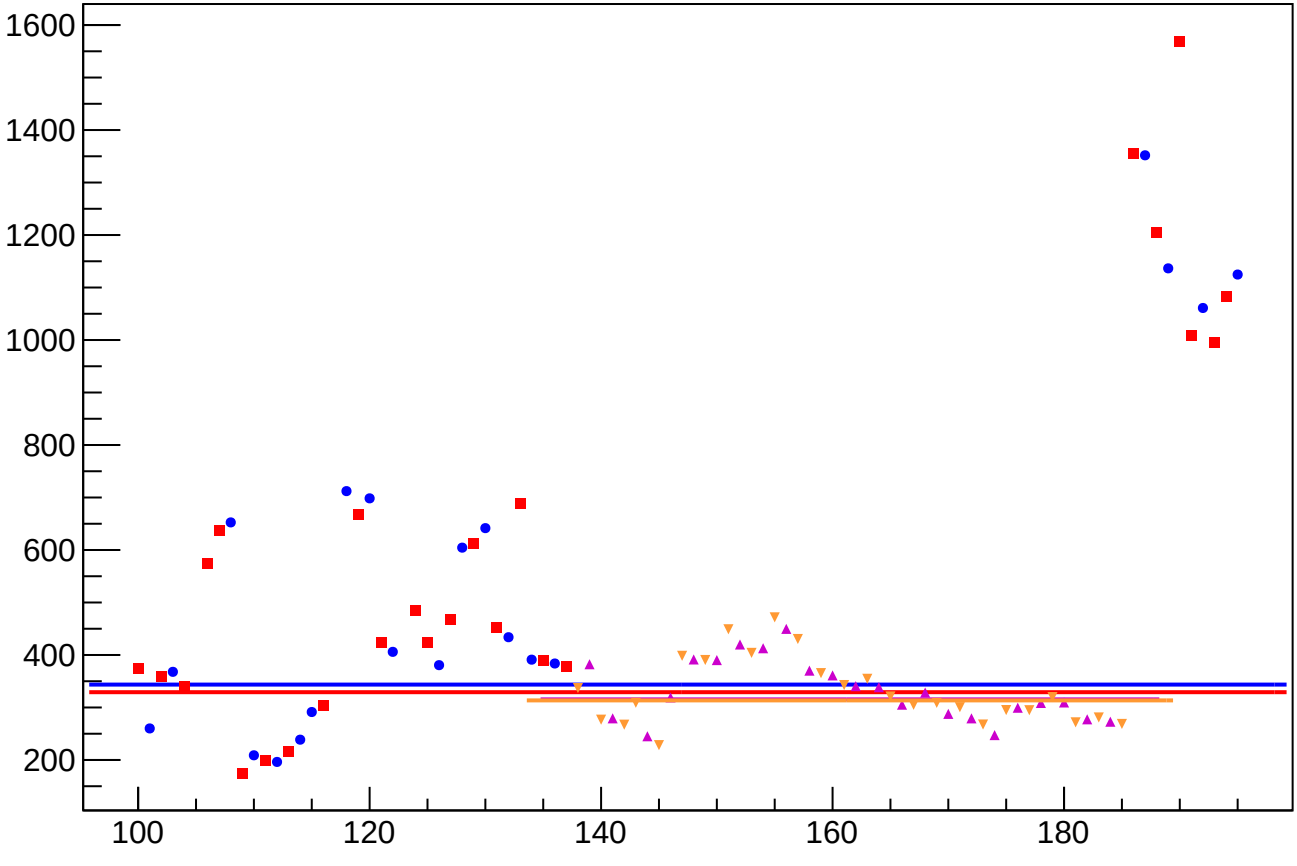
Right: 55.810+/-86.136 χ^2/NDF: 47.8/44

In: -6.661+/-64.424 χ^2/NDF:55.9/42

Out: -137.374+/-61.761 χ^2/NDF:90.4/49

All: -74.776+/-44.583 χ^2/NDF: 148.4/92

asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 343.610+/-0.089 χ^2/NDF: 4651362.9/19

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 329.127+/-0.083 χ^2/NDF: 6358571.1/24

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

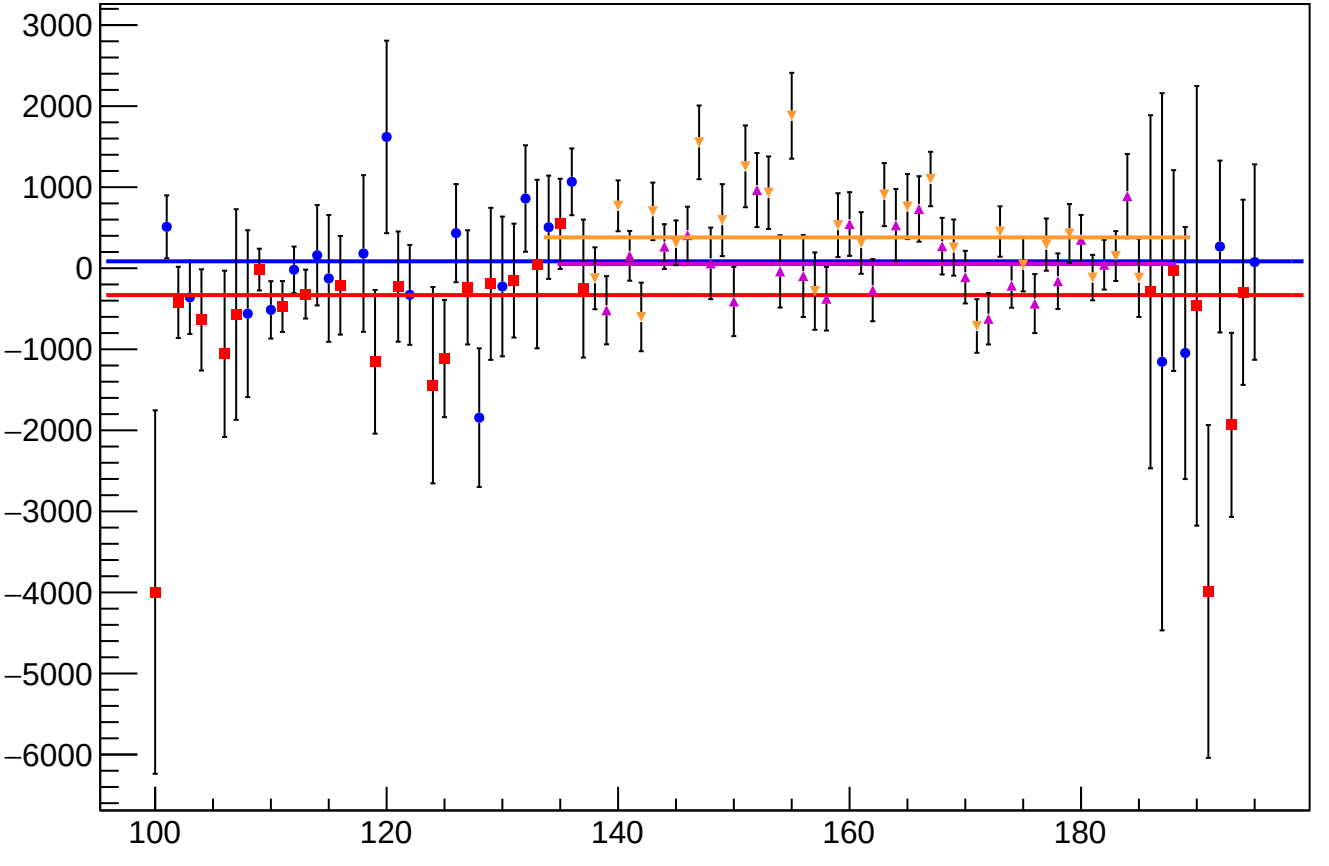
Right: 335.861+/-0.061 χ^2/NDF: 11024001.5/44

In: 322.779+/-0.046 χ^2/NDF:5733397.1/42

Out: 317.799+/-0.044 χ^2/NDF:7559637.7/49

All: 320.184+/-0.032 χ^2/NDF: 13299262.6/92

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.412+/-129.600 χ^2/NDF: 21.5/19

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -331.354+/-121.356 χ^2/NDF: 16.1/24

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

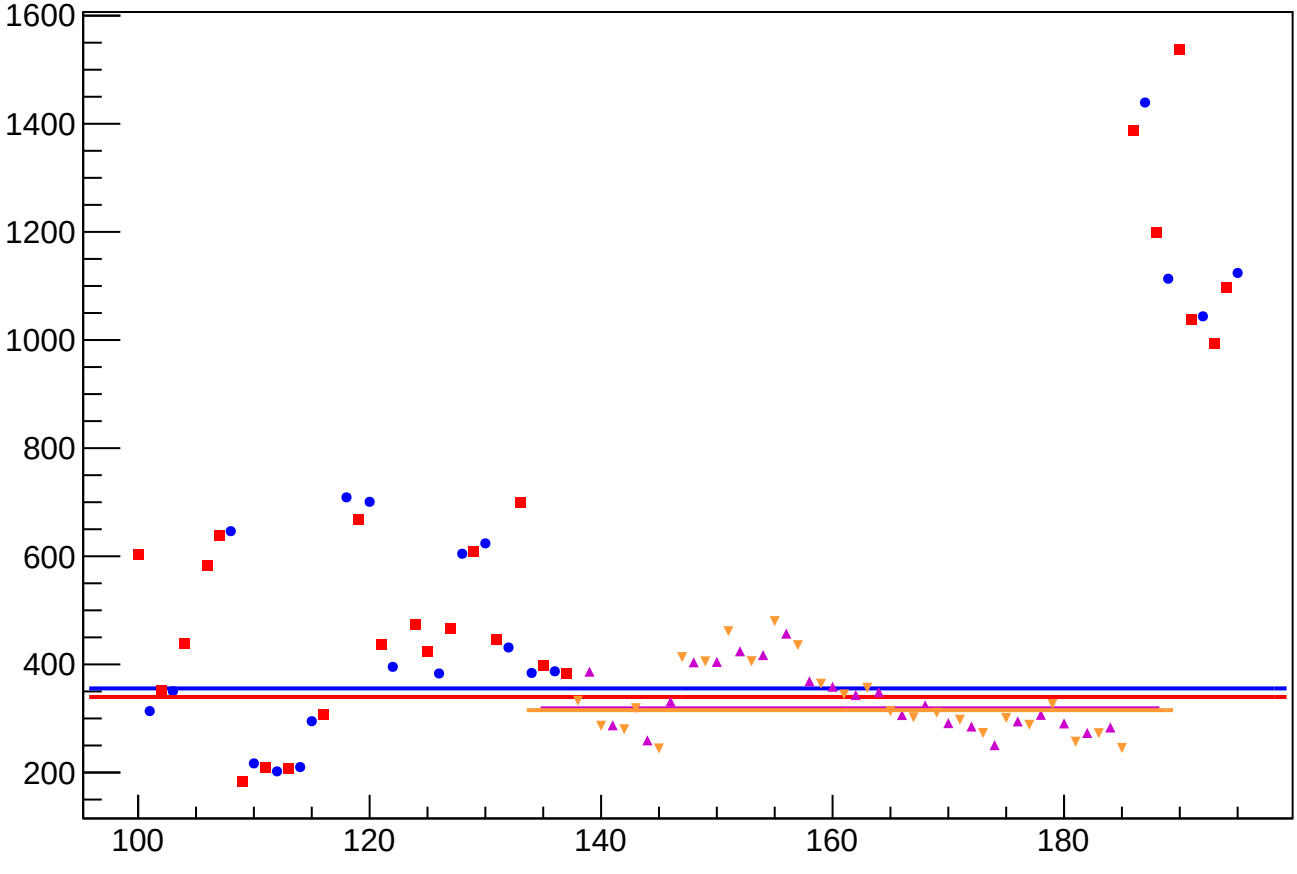
Right: -136.647+/-88.583 χ^2/NDF: 43.1/44

In: 60.095+/-65.321 χ^2/NDF:49.8/42

Out: 191.234+/-62.590 χ^2/NDF:96.8/49

All: 128.463+/-45.192 χ^2/NDF: 148.6/92

asym_sam7_rms vs Slug, Sign Corrected



Right In: 355.594+/-0.092 χ^2/NDF: 4386693.6/19

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 339.724+/-0.086 χ^2/NDF: 6265630.5/24

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

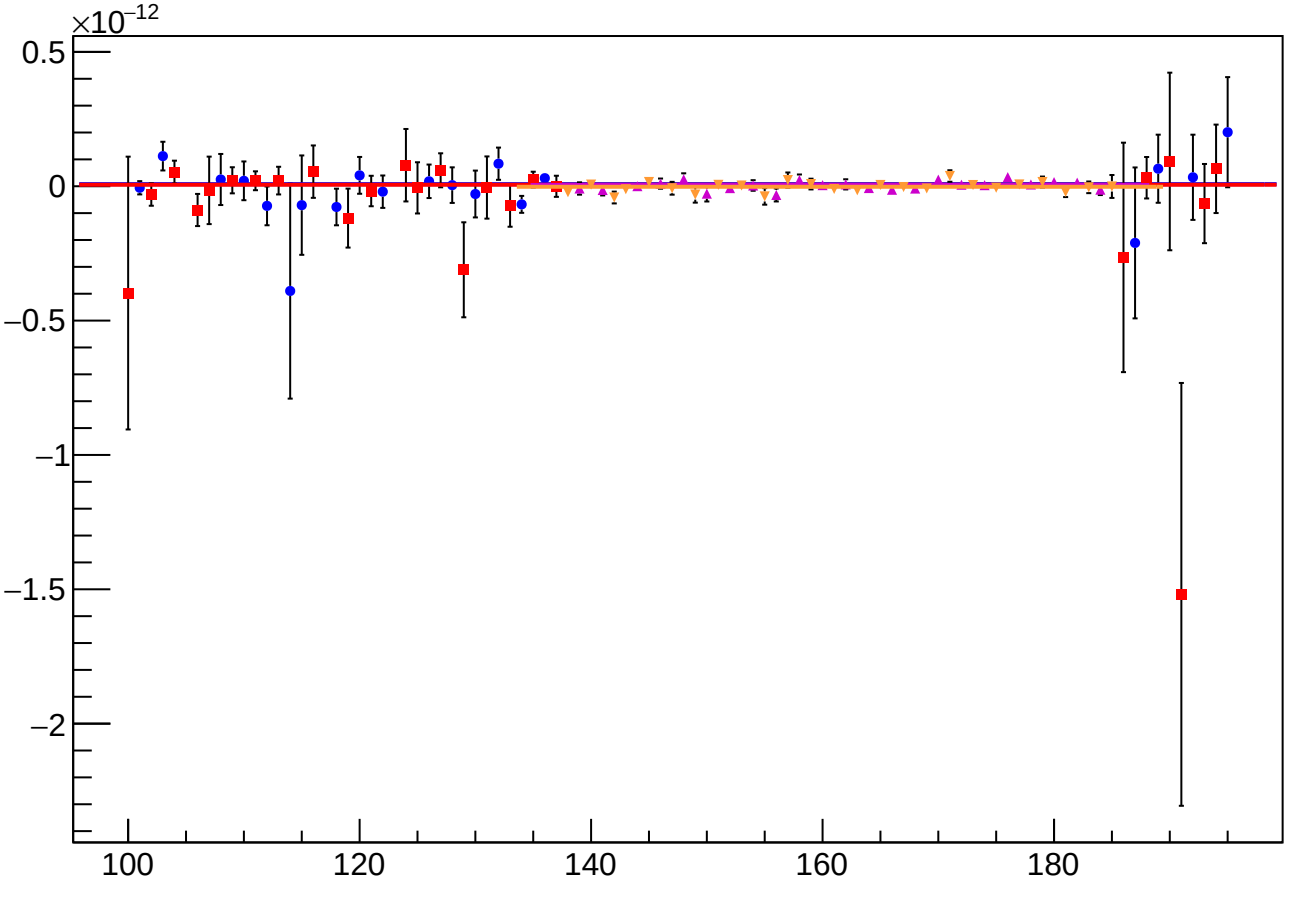
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 347.138+/-0.063 χ^2/NDF: 10668302.2/44

In: 328.064+/-0.046 χ^2/NDF:5499281.5/42

Out: 321.867+/-0.044 χ^2/NDF:7534735.2/49

All: 324.833+/-0.032 χ^2/NDF: 13043399.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/24

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

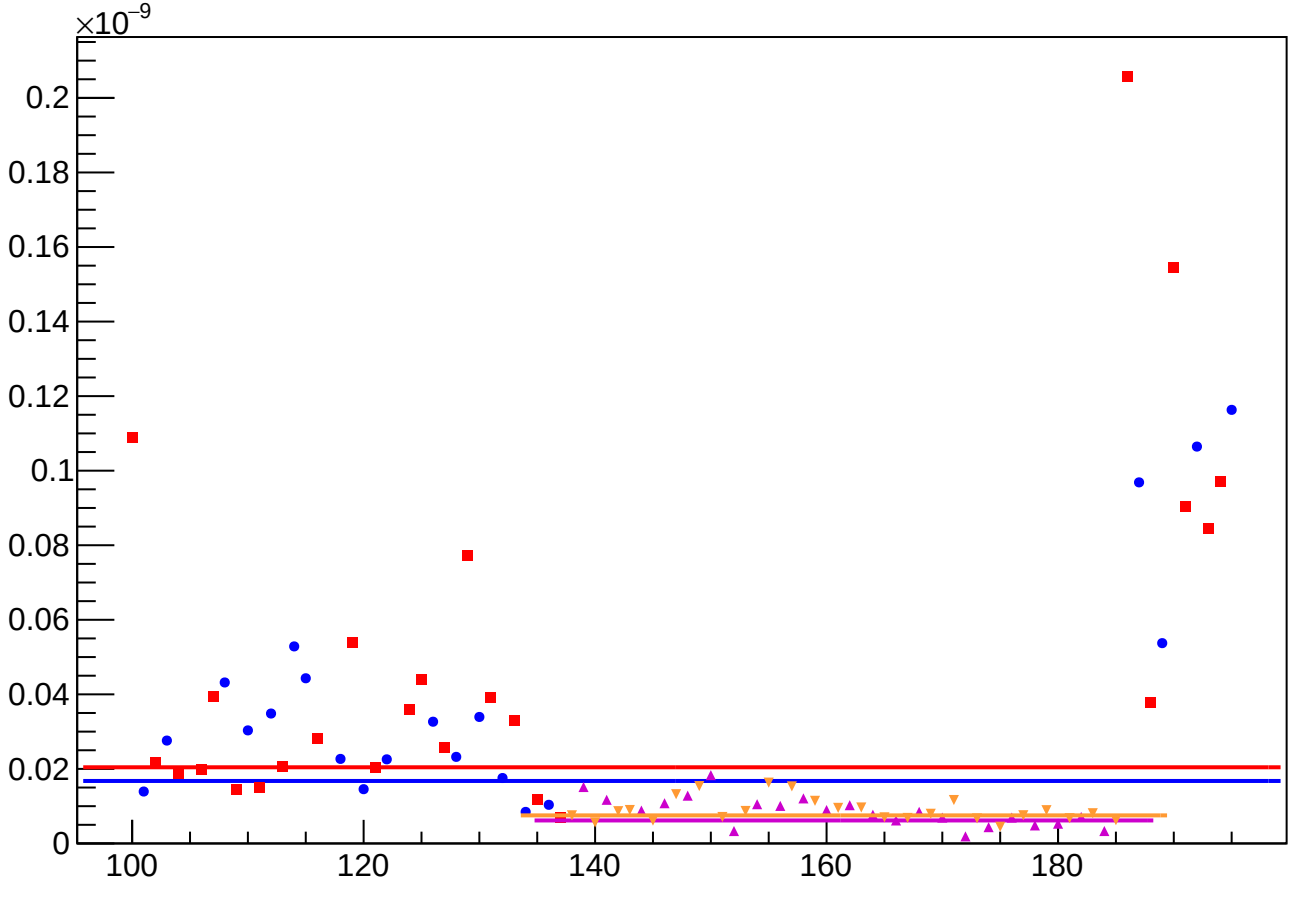
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 37.0/44

In: 0.000+/-0.000 χ^2/NDF:37.2/42

Out: -0.000+/-0.000 χ^2/NDF:36.8/49

All: 0.000+/-0.000 χ^2/NDF: 76.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 2629879.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2904004.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

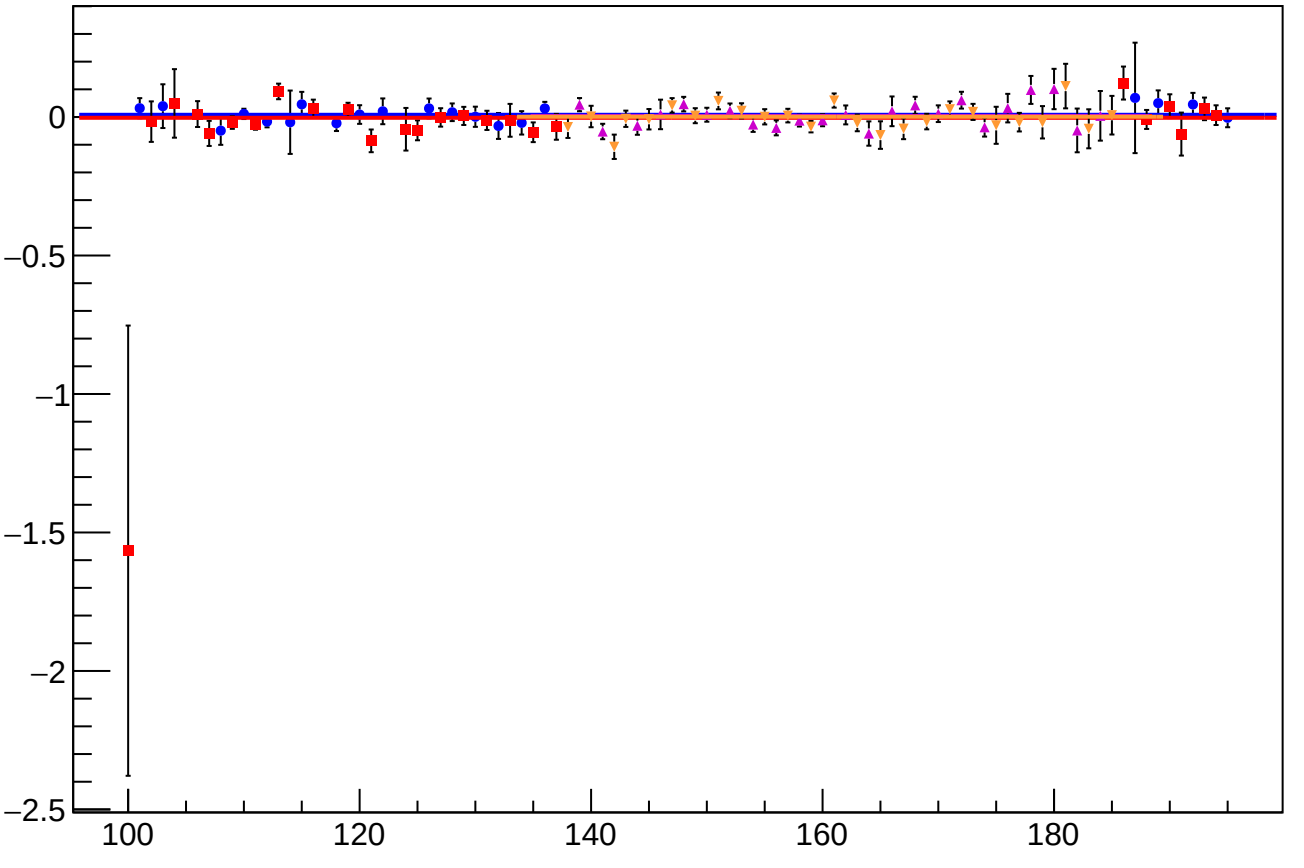
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5631680.6/44

In: 0.000+/-0.000 χ^2/NDF:7180727.5/42

Out: 0.000+/-0.000 χ^2/NDF:6092229.3/49

All: 0.000+/-0.000 χ^2/NDF: 13488559.3/92



Right In: 0.008+/-0.008 χ^2/NDF: 9.8/19

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.007 χ^2/NDF: 36.8/24

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

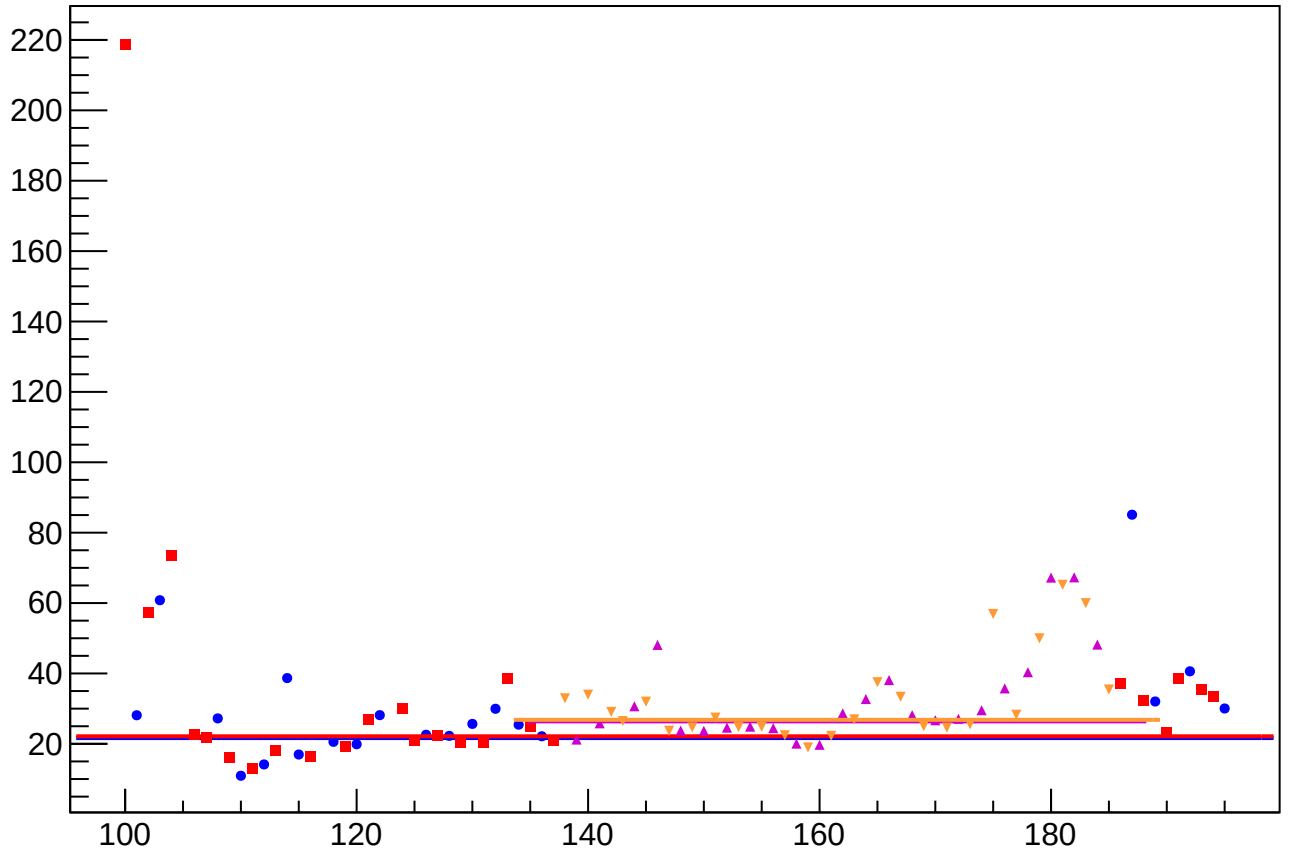
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.002+/-0.005 χ^2/NDF: 47.6/44

In: 0.006+/-0.005 χ^2/NDF:41.1/42

Out: -0.001+/-0.005 χ^2/NDF:67.2/49

All: 0.002+/-0.003 χ^2/NDF: 109.1/92



Right In: 21.639+/-0.005 χ^2/NDF: 2560059.3/19

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.143+/-0.005 χ^2/NDF: 2675738.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

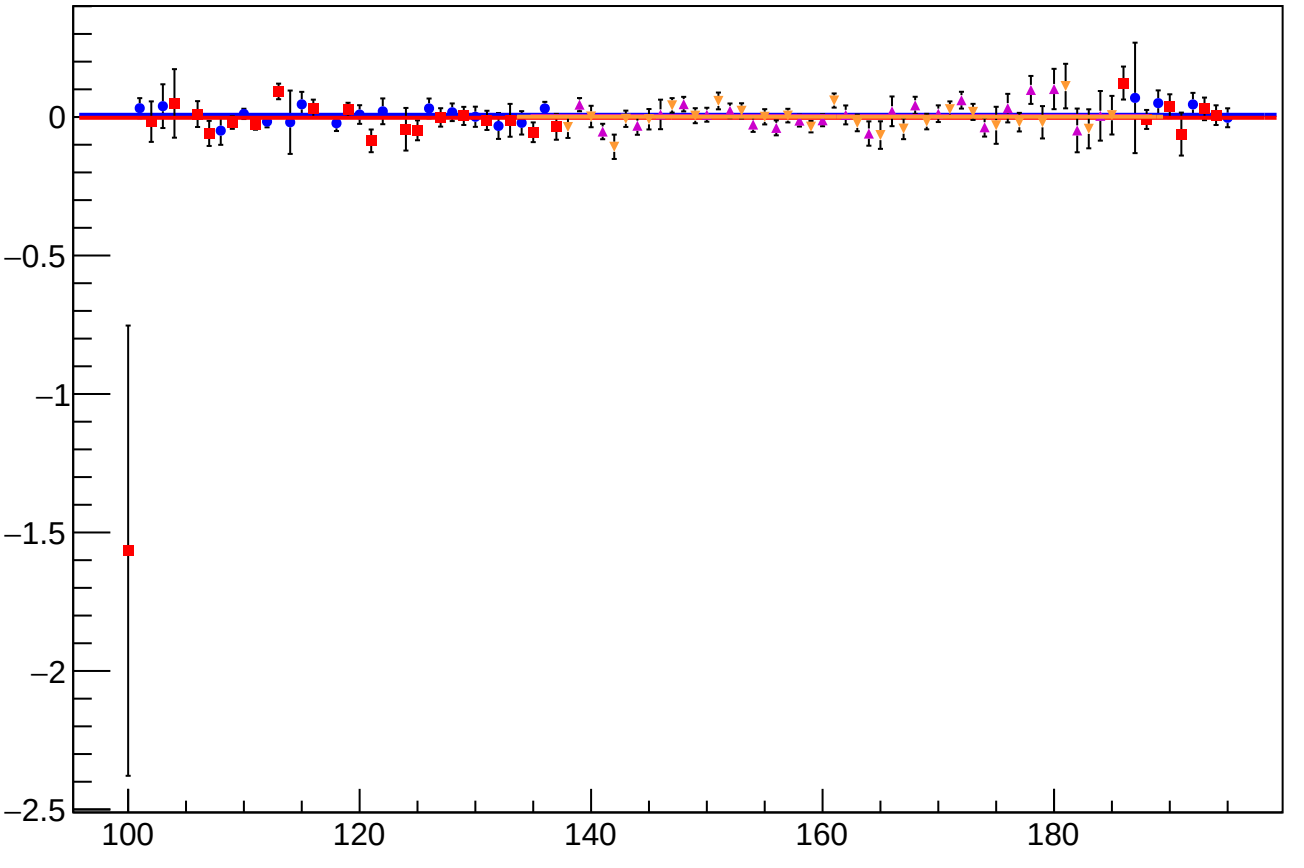
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 21.903+/-0.004 χ^2/NDF: 5240287.1/44

In: 24.366+/-0.004 χ^2/NDF:5563284.5/42

Out: 24.771+/-0.003 χ^2/NDF:5600011.0/49

All: 24.574+/-0.002 χ^2/NDF: 11170022.9/92



Right In: 0.008+/-0.008 χ^2/NDF: 9.8/19

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.007 χ^2/NDF: 36.8/24

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

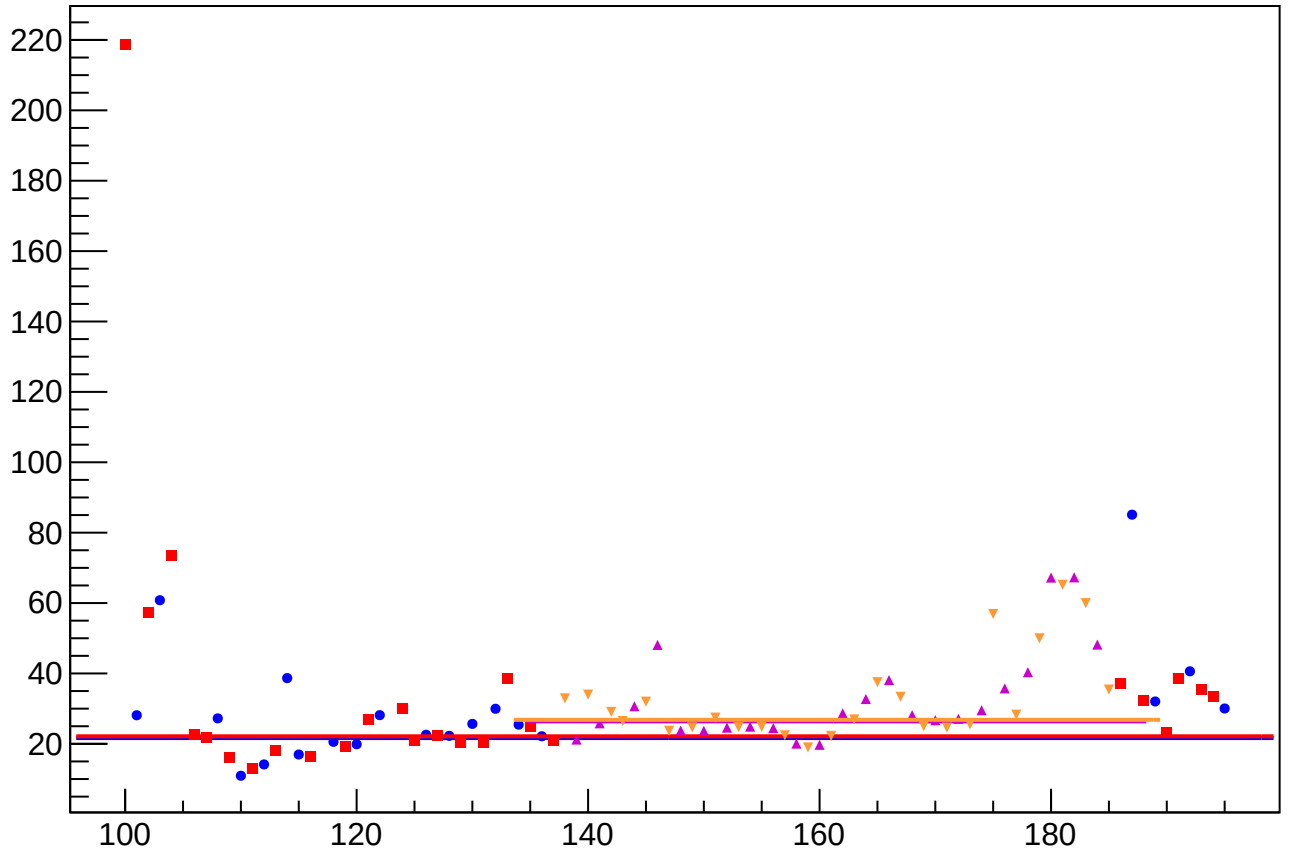
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.002+/-0.005 χ^2/NDF: 47.6/44

In: 0.006+/-0.005 χ^2/NDF:41.1/42

Out: -0.001+/-0.005 χ^2/NDF:67.2/49

All: 0.002+/-0.003 χ^2/NDF: 109.1/92



Right In: 21.639+/-0.005 χ^2/NDF: 2560059.3/19

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.143+/-0.005 χ^2/NDF: 2675738.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

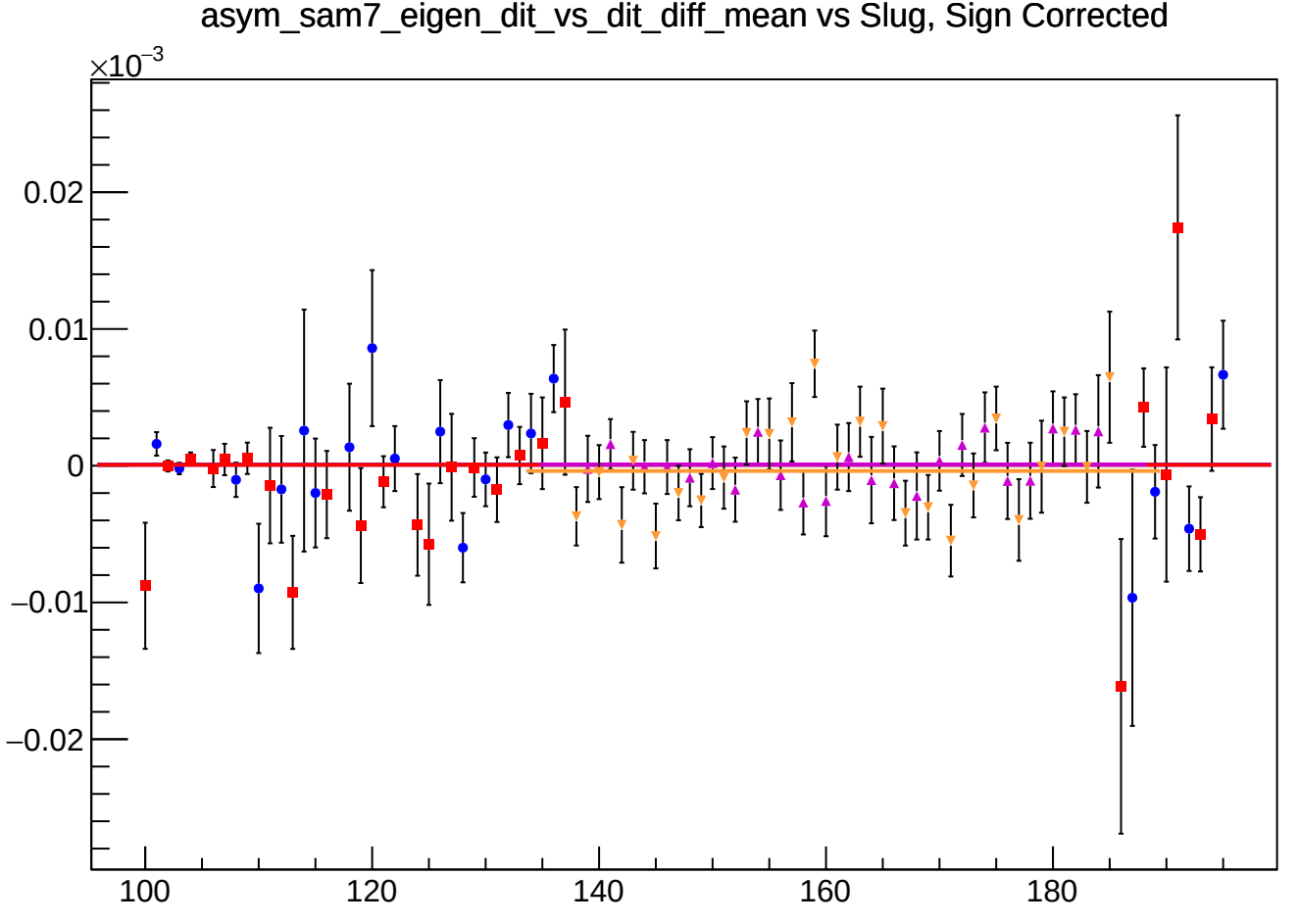
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 21.903+/-0.004 χ^2/NDF: 5240287.1/44

In: 24.366+/-0.004 χ^2/NDF:5563284.5/42

Out: 24.771+/-0.003 χ^2/NDF:5600011.0/49

All: 24.574+/-0.002 χ^2/NDF: 11170022.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 32.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/24

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

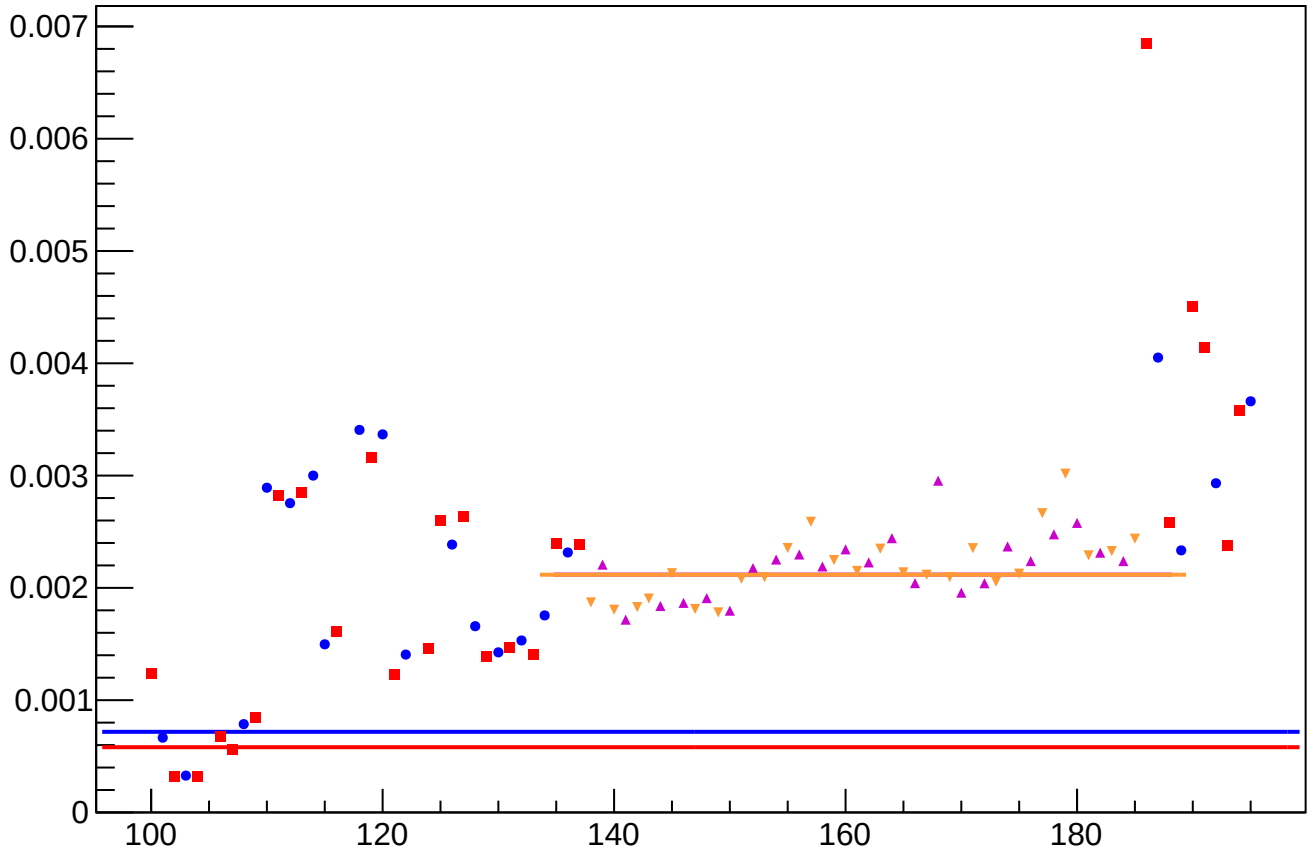
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 62.8/44

In: 0.000+/-0.000 χ^2/NDF:42.7/42

Out: -0.000+/-0.000 χ^2/NDF:74.1/49

All: 0.000+/-0.000 χ^2/NDF: 116.9/92



Right In: 0.001+/-0.000 χ^2/NDF: 9271581.3/19

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11437965.4/24

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

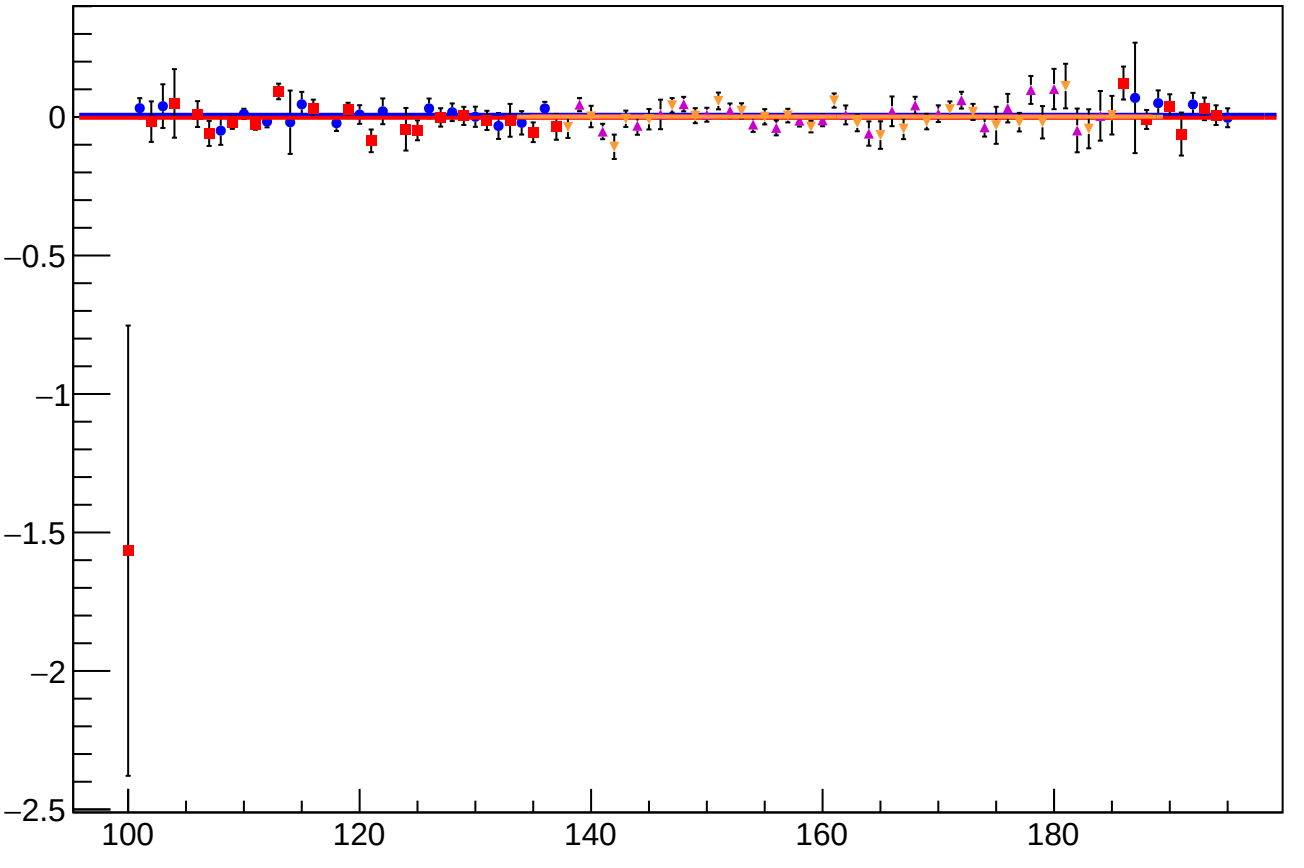
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 20925434.8/44

In: 0.001+/-0.000 χ^2/NDF:20806095.9/42

Out: 0.001+/-0.000 χ^2/NDF:27608986.3/49

All: 0.001+/-0.000 χ^2/NDF: 49202313.1/92



Right In: 0.008+/-0.008 χ^2/NDF: 9.8/19

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.007 χ^2/NDF: 36.8/24

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

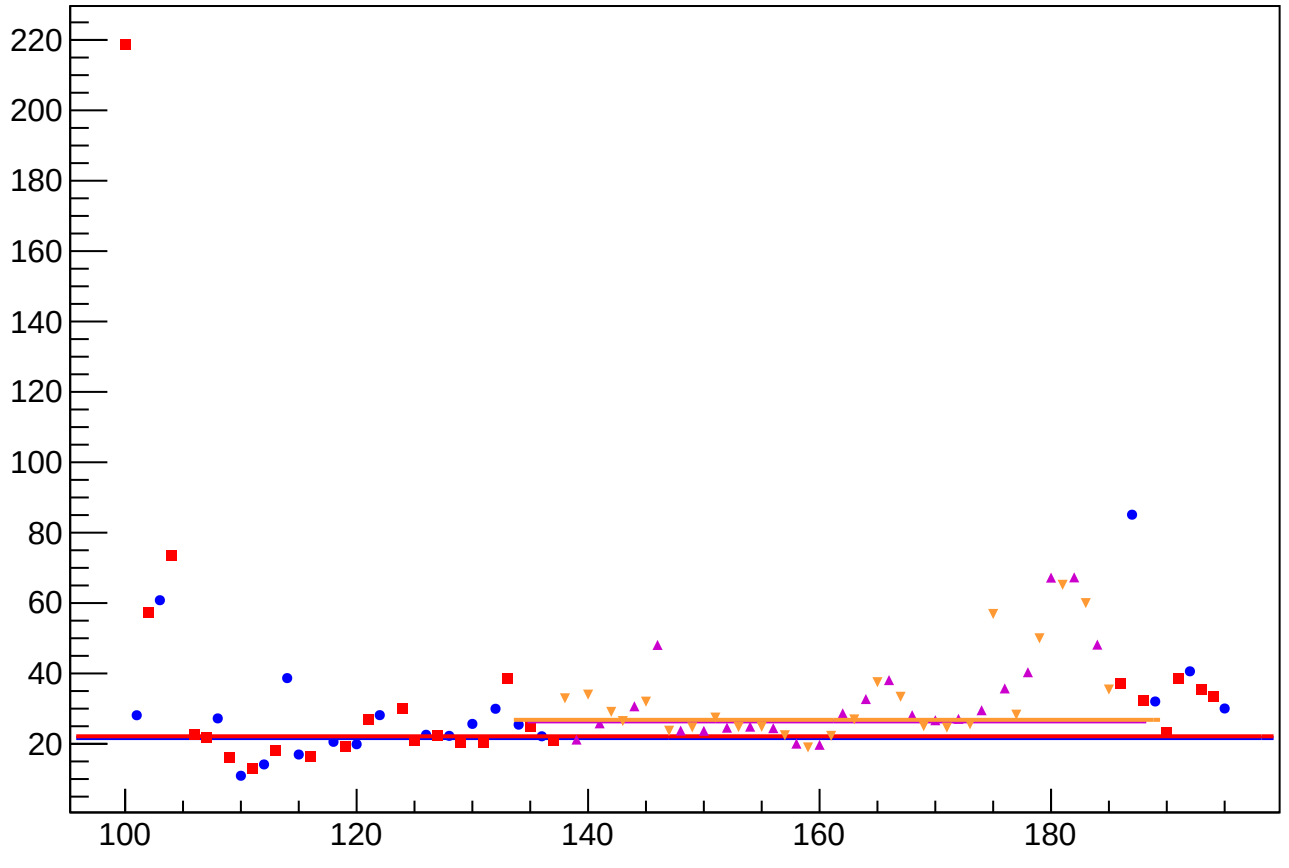
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.002+/-0.005 χ^2/NDF: 47.6/44

In: 0.006+/-0.005 χ^2/NDF:41.1/42

Out: -0.001+/-0.005 χ^2/NDF:67.2/49

All: 0.002+/-0.003 χ^2/NDF: 109.1/92



Right In: 21.640+/-0.005 χ^2/NDF: 2559861.6/19

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.144+/-0.005 χ^2/NDF: 2675574.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

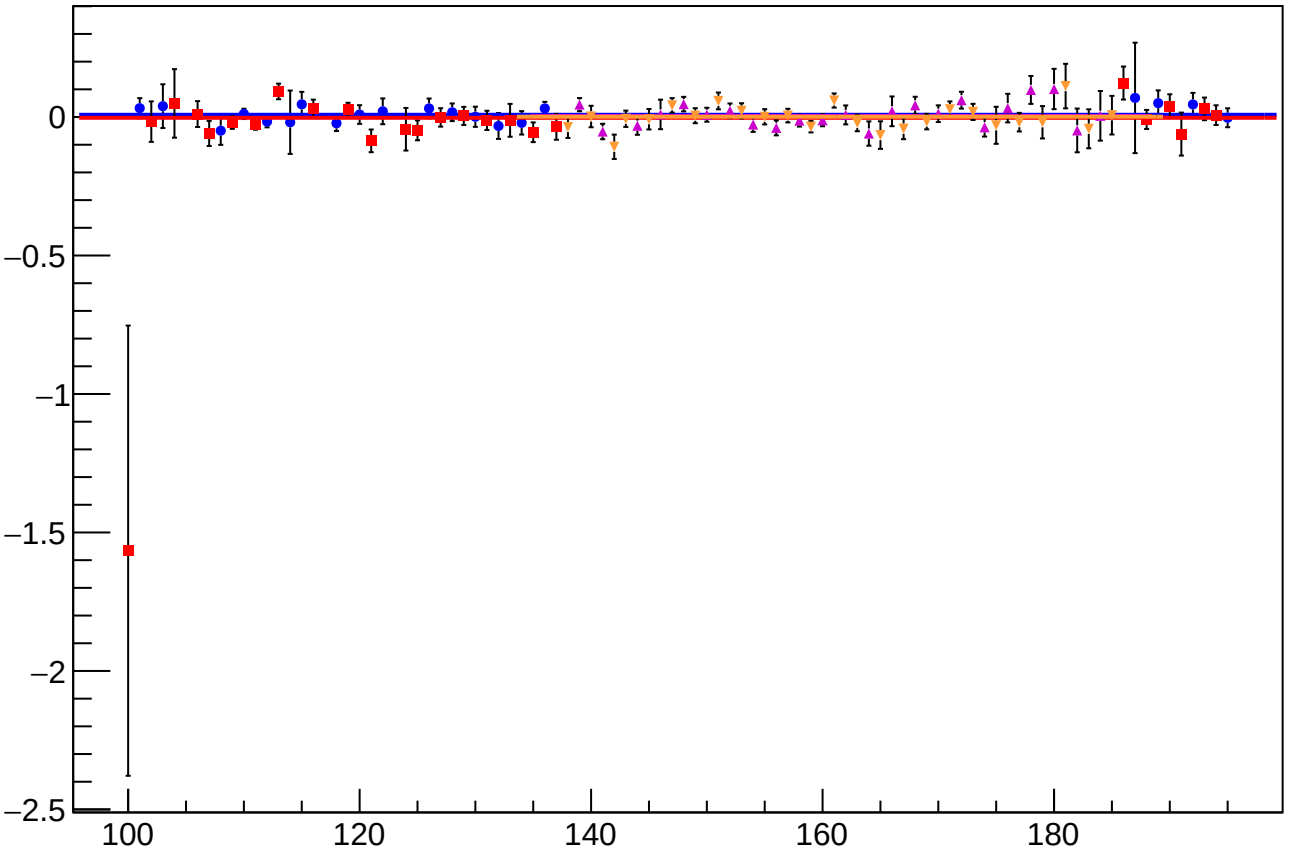
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 21.903+/-0.004 χ^2/NDF: 5239918.6/44

In: 24.366+/-0.004 χ^2/NDF:5563064.1/42

Out: 24.771+/-0.003 χ^2/NDF:5599875.4/49

All: 24.574+/-0.002 χ^2/NDF: 11169661.2/92



Right In: 0.008+/-0.008 χ^2/NDF: 9.8/19

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.003+/-0.007 χ^2/NDF: 36.8/24

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

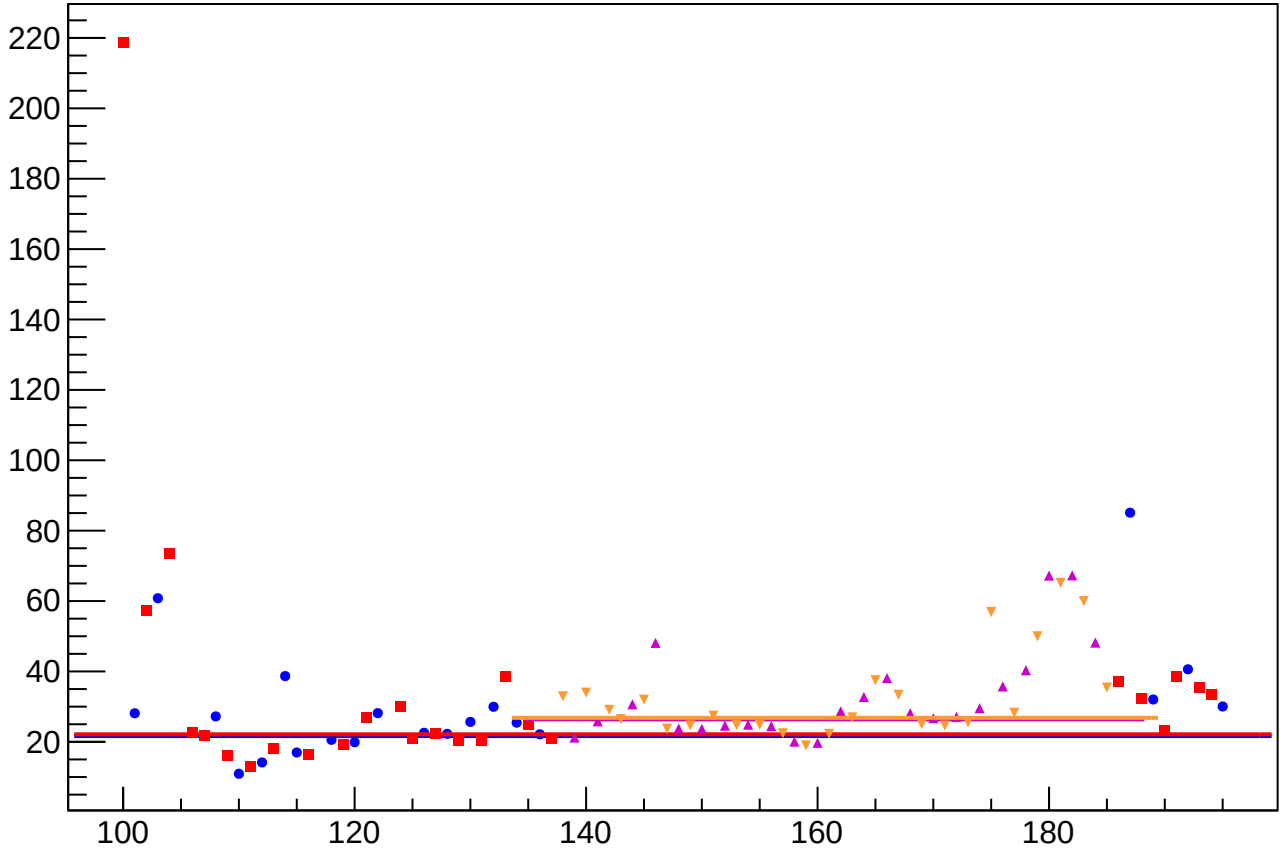
Right: 0.002+/-0.005 χ^2/NDF: 47.6/44

In: 0.006+/-0.005 χ^2/NDF:41.1/42

Out: -0.001+/-0.005 χ^2/NDF:67.2/49

All: 0.002+/-0.003 χ^2/NDF: 109.1/92

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.640+/-0.005 χ^2/NDF: 2559861.6/19

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.144+/-0.005 χ^2/NDF: 2675574.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

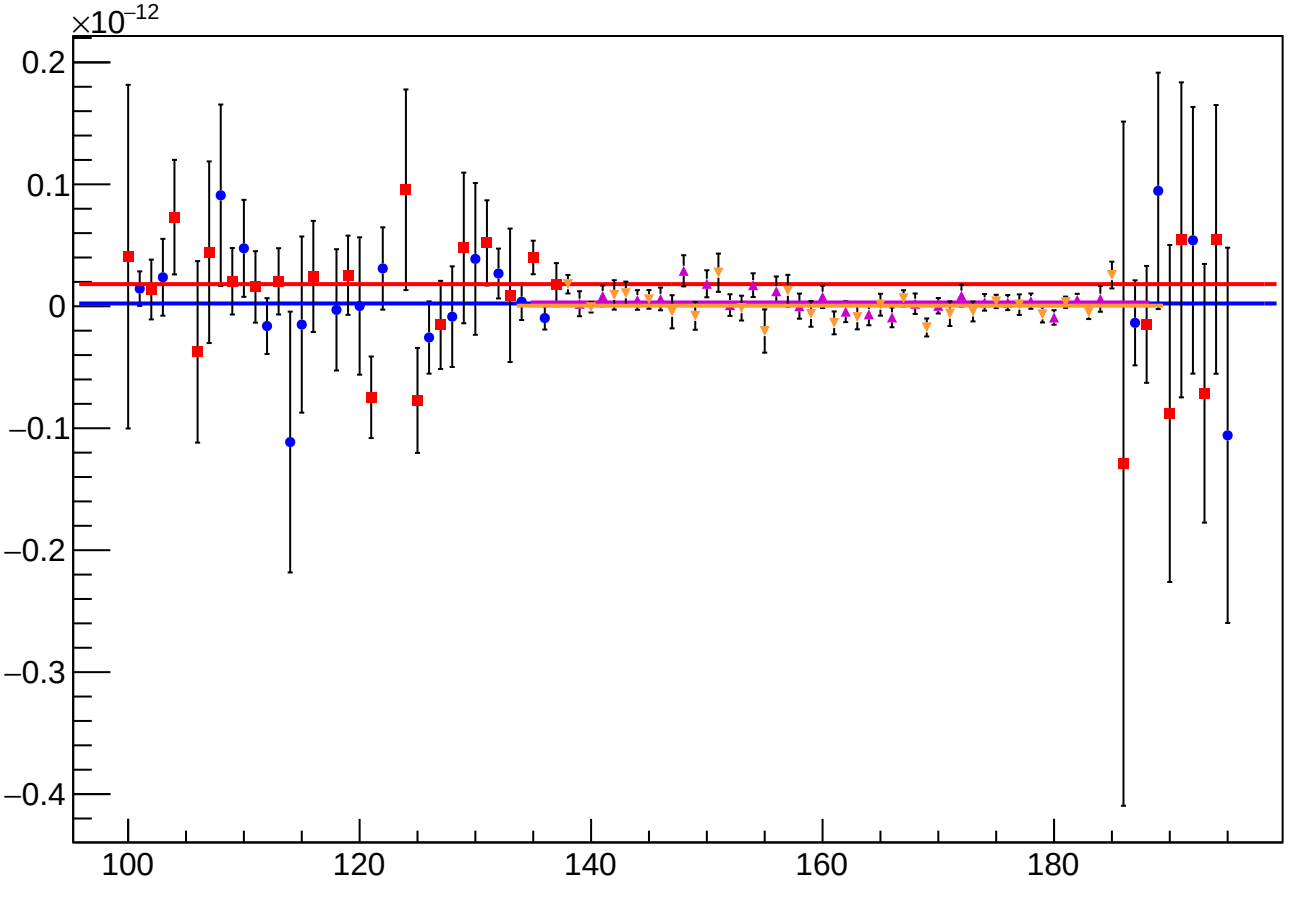
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 21.903+/-0.004 χ^2/NDF: 5239918.6/44

In: 24.366+/-0.004 χ^2/NDF:5563064.1/42

Out: 24.771+/-0.003 χ^2/NDF:5599875.4/49

All: 24.574+/-0.002 χ^2/NDF: 11169661.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/24

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

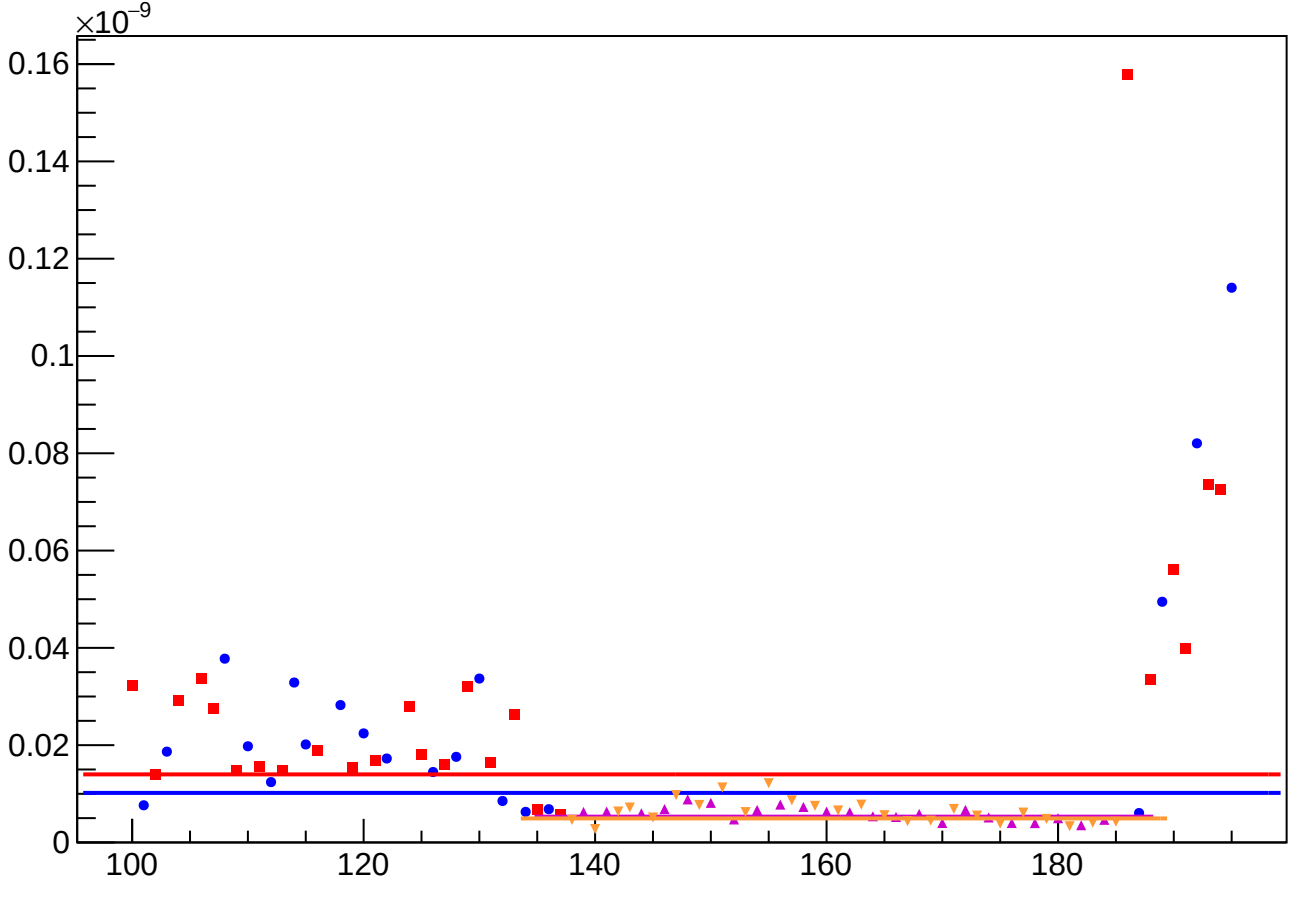
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 38.4/44

In: 0.000+/-0.000 χ^2/NDF:31.8/42

Out: 0.000+/-0.000 χ^2/NDF:61.3/49

All: 0.000+/-0.000 χ^2/NDF: 93.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 4116834.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4180119.7/24

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

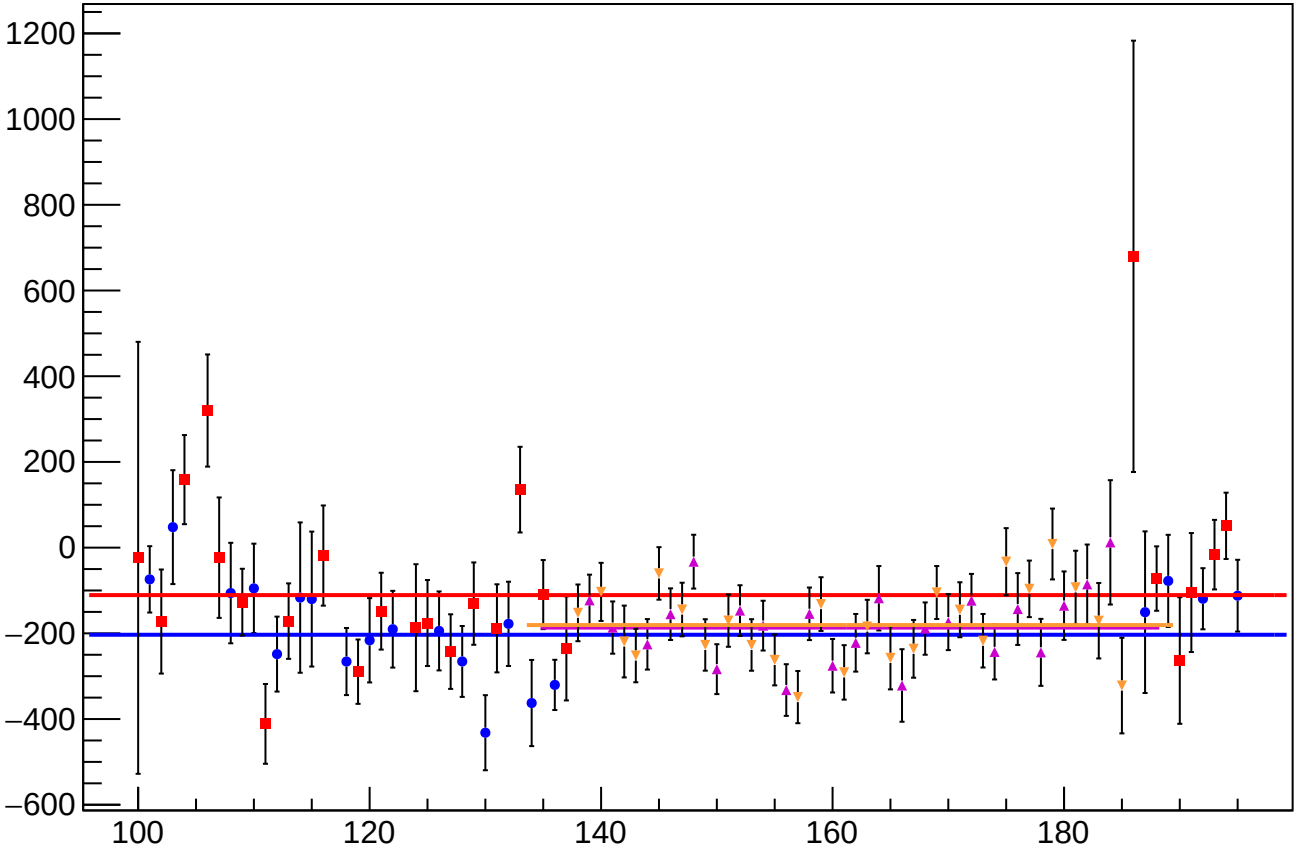
Right: 0.000+/-0.000 χ^2/NDF: 8660794.2/44

In: 0.000+/-0.000 χ^2/NDF:6753546.1/42

Out: 0.000+/-0.000 χ^2/NDF:10171677.2/49

All: 0.000+/-0.000 χ^2/NDF: 16966601.5/92

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -203.316+/-20.740 χ^2/NDF: 27.6/19

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -110.768+/-20.175 χ^2/NDF: 55.8/24

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

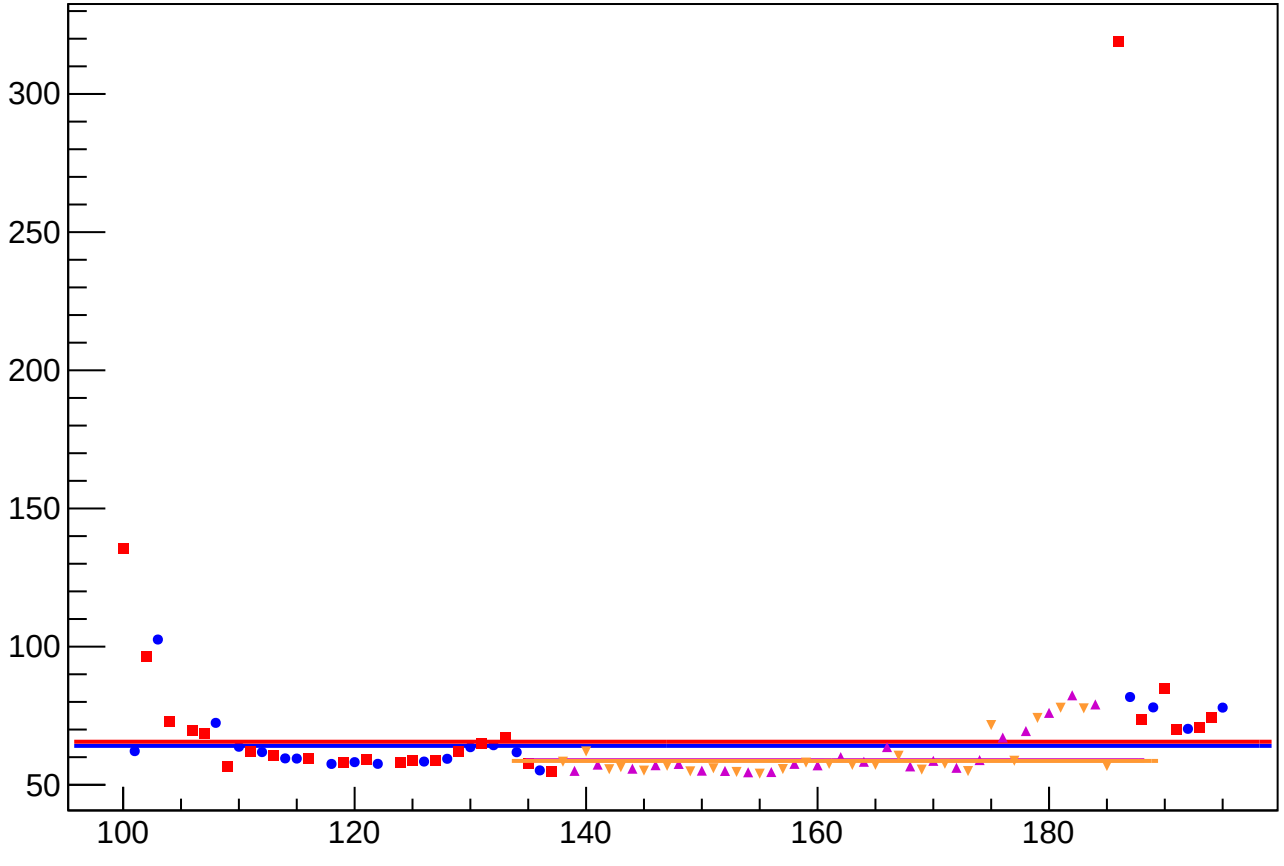
Right: -155.763+/-14.462 χ^2/NDF: 93.6/44

In: -191.737+/-11.524 χ^2/NDF:57.0/42

Out: -159.241+/-11.173 χ^2/NDF:102.8/49

All: -174.987+/-8.022 χ^2/NDF: 163.9/92

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 64.096+/-0.015 χ^2/NDF: 396716.6/19

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 65.595+/-0.014 χ^2/NDF: 917351.6/24

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

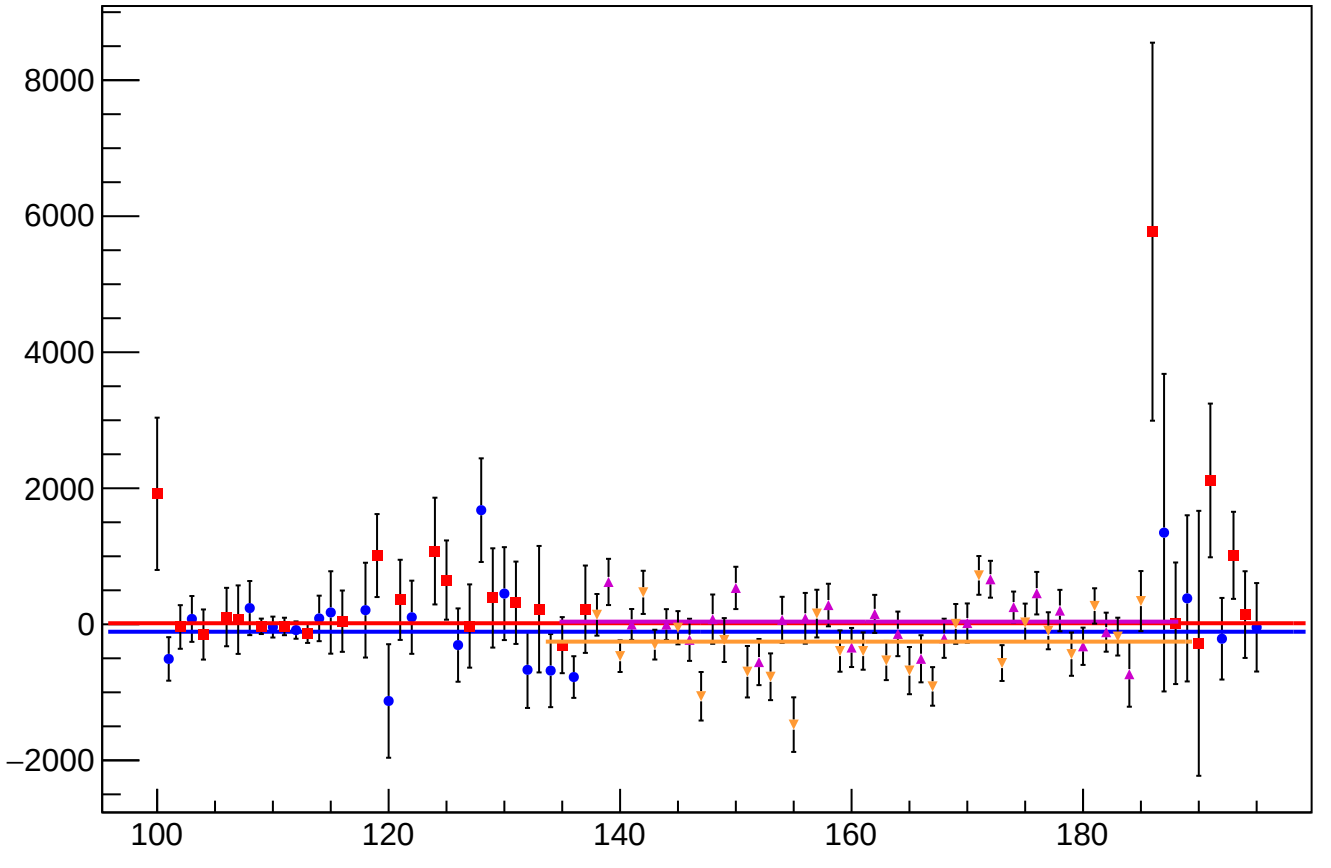
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 64.866+/-0.010 χ^2/NDF: 1319438.7/44

In: 60.508+/-0.008 χ^2/NDF:870097.2/42

Out: 60.776+/-0.008 χ^2/NDF:1475840.0/49

All: 60.646+/-0.006 χ^2/NDF: 2346493.1/92



Right In: -109.188+/-74.919 χ^2/NDF: 19.0/19

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 15.791+/-62.996 χ^2/NDF: 22.0/24

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

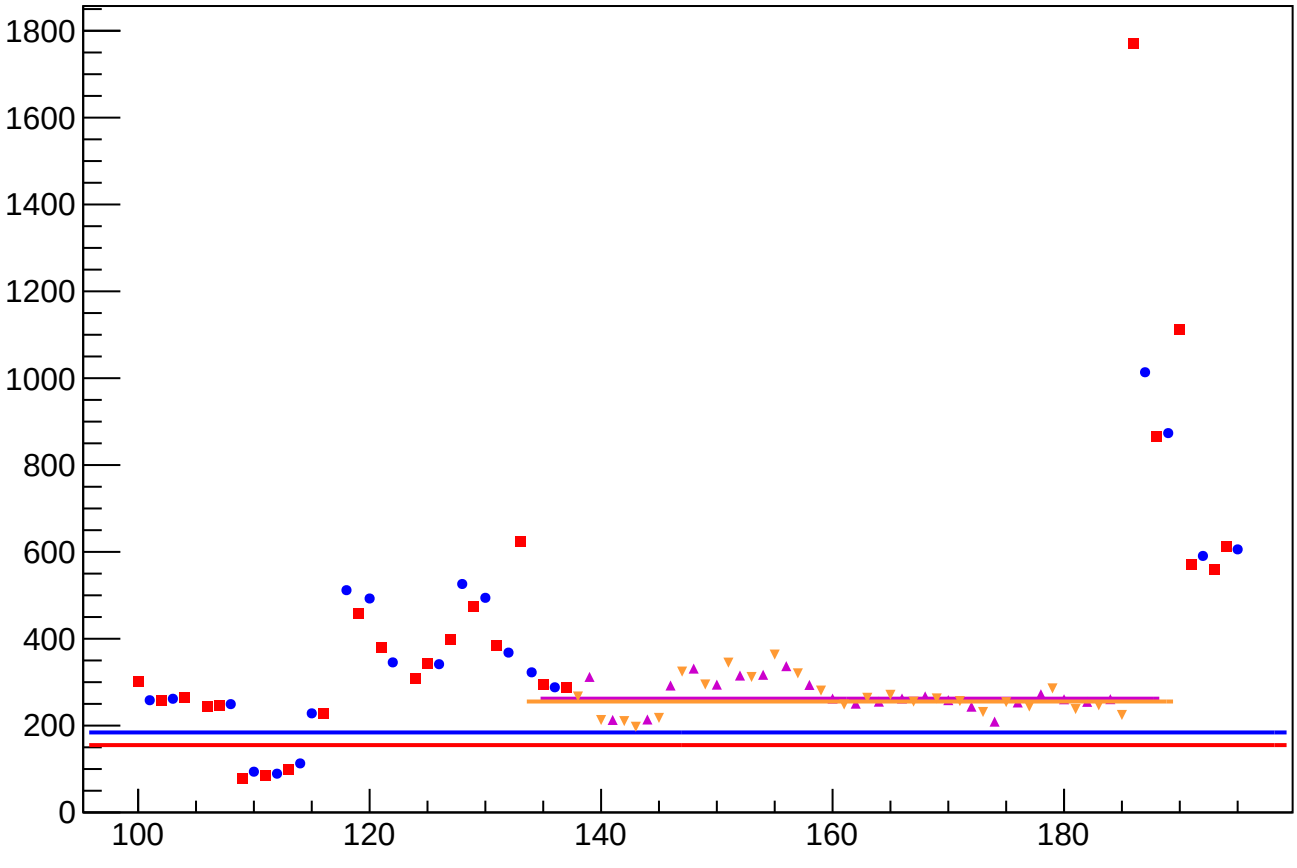
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -35.974+/-48.216 χ^2/NDF: 42.7/44

In: -21.013+/-47.712 χ^2/NDF:49.7/42

Out: -128.548+/-43.015 χ^2/NDF:89.5/49

All: -80.333+/-31.948 χ^2/NDF: 142.0/92



Right In: 184.242+/-0.053 χ^2/NDF: 7278511.9/19

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 155.093+/-0.045 χ^2/NDF: 9799036.4/24

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

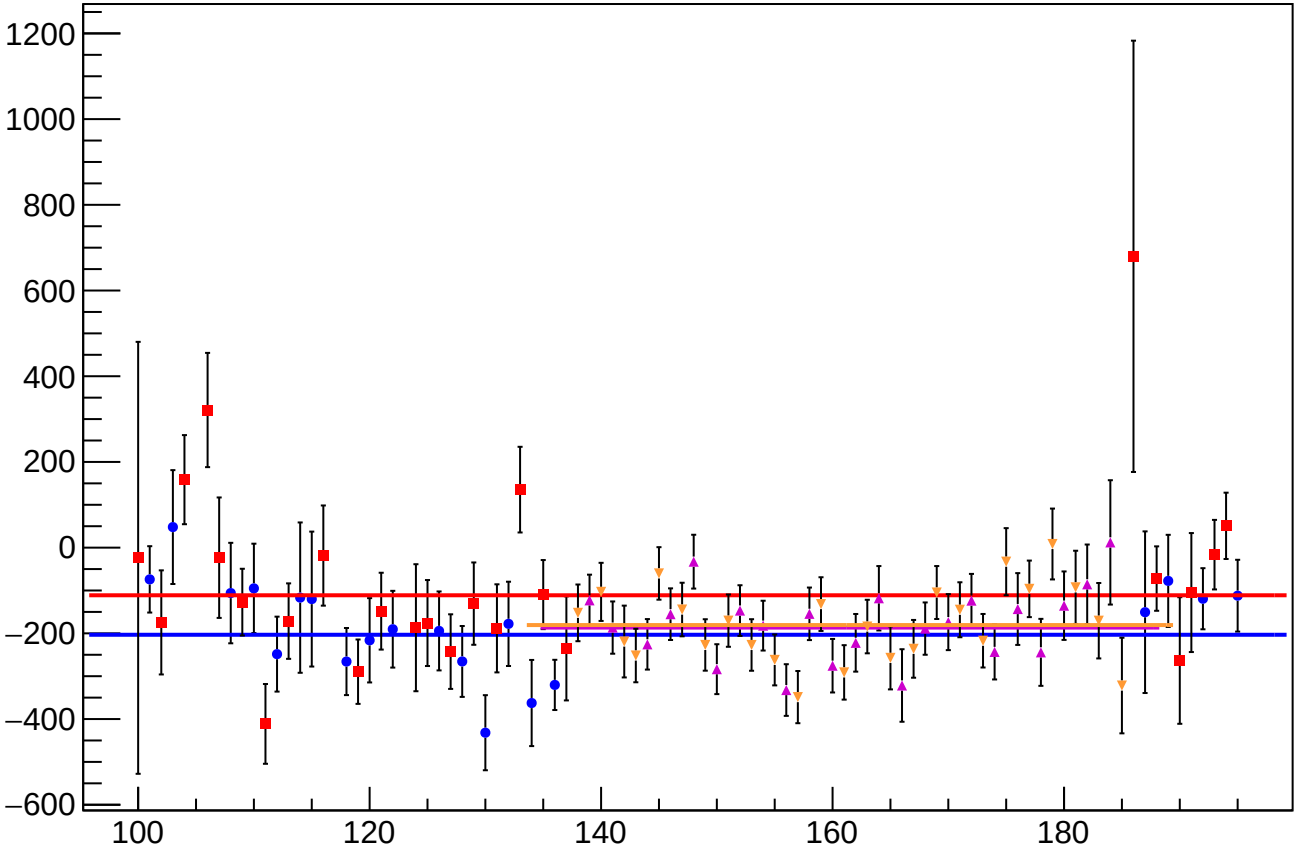
Right: 167.167+/-0.034 χ^2/NDF: 17254905.6/44

In: 230.469+/-0.034 χ^2/NDF:9229987.4/42

Out: 208.670+/-0.030 χ^2/NDF:13373179.4/49

All: 218.444+/-0.023 χ^2/NDF: 22833458.7/92

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -203.315+/-20.740 χ^2/NDF: 27.6/19

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.164+/-20.184 χ^2/NDF: 55.5/24

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

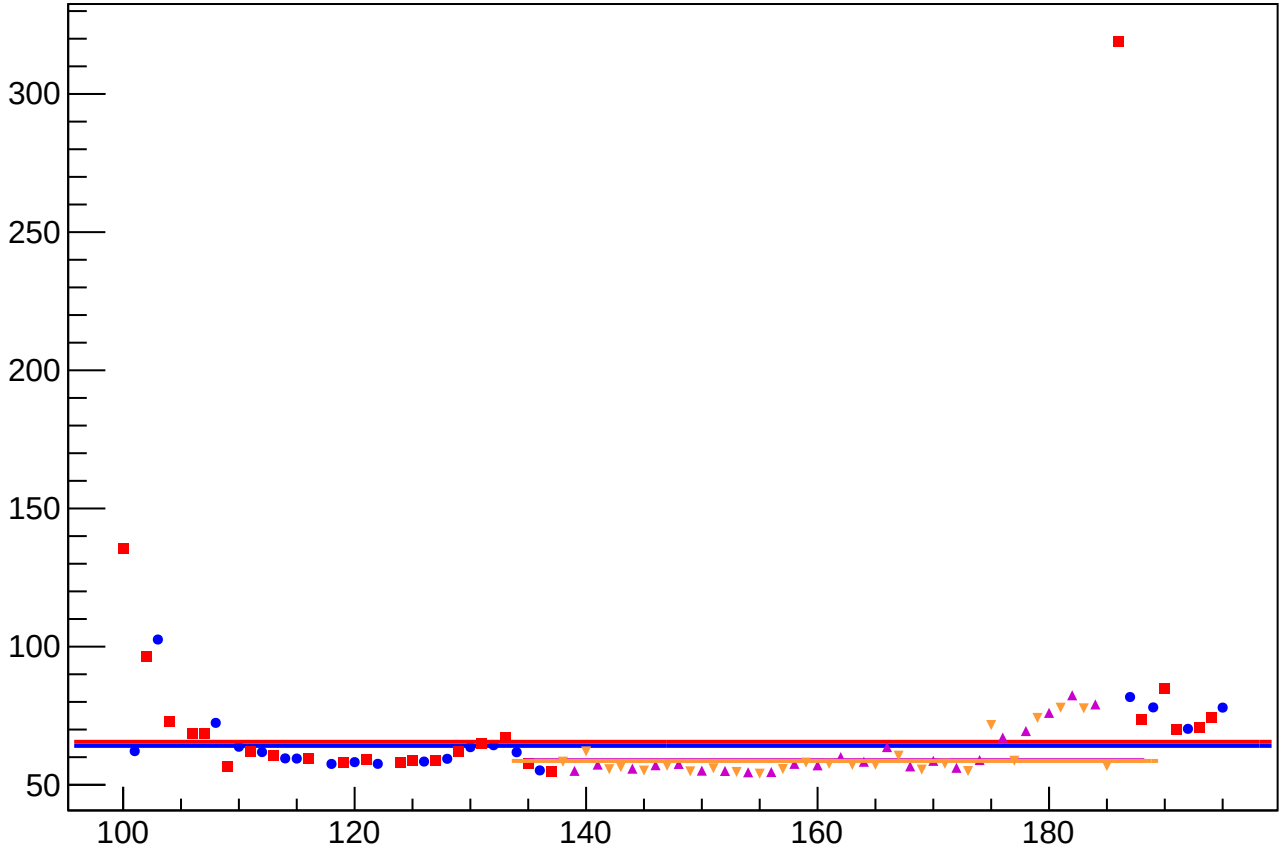
Right: -155.986+/-14.465 χ^2/NDF: 93.2/44

In: -191.737+/-11.524 χ^2/NDF:57.0/42

Out: -159.372+/-11.174 χ^2/NDF:102.4/49

All: -175.057+/-8.022 χ^2/NDF: 163.4/92

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 64.096+/-0.015 χ^2/NDF: 396719.1/19

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 65.565+/-0.014 χ^2/NDF: 916570.9/24

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

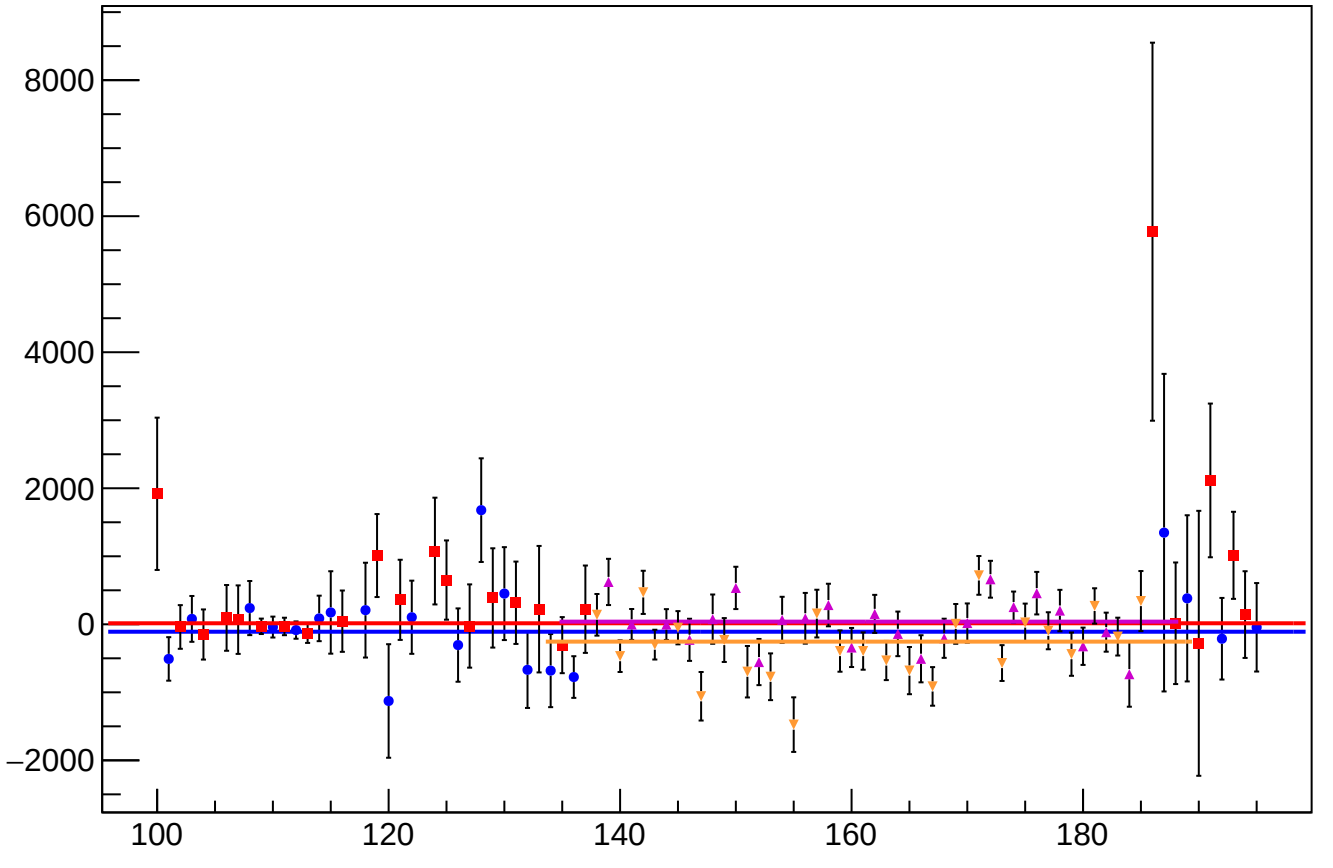
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 64.850+/-0.010 χ^2/NDF: 1318446.5/44

In: 60.508+/-0.008 χ^2/NDF:870099.7/42

Out: 60.765+/-0.008 χ^2/NDF:1473549.2/49

All: 60.641+/-0.006 χ^2/NDF: 2344162.3/92



Right In: -109.170+/-74.920 χ^2/NDF: 19.1/19

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 15.185+/-63.141 χ^2/NDF: 22.0/24

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

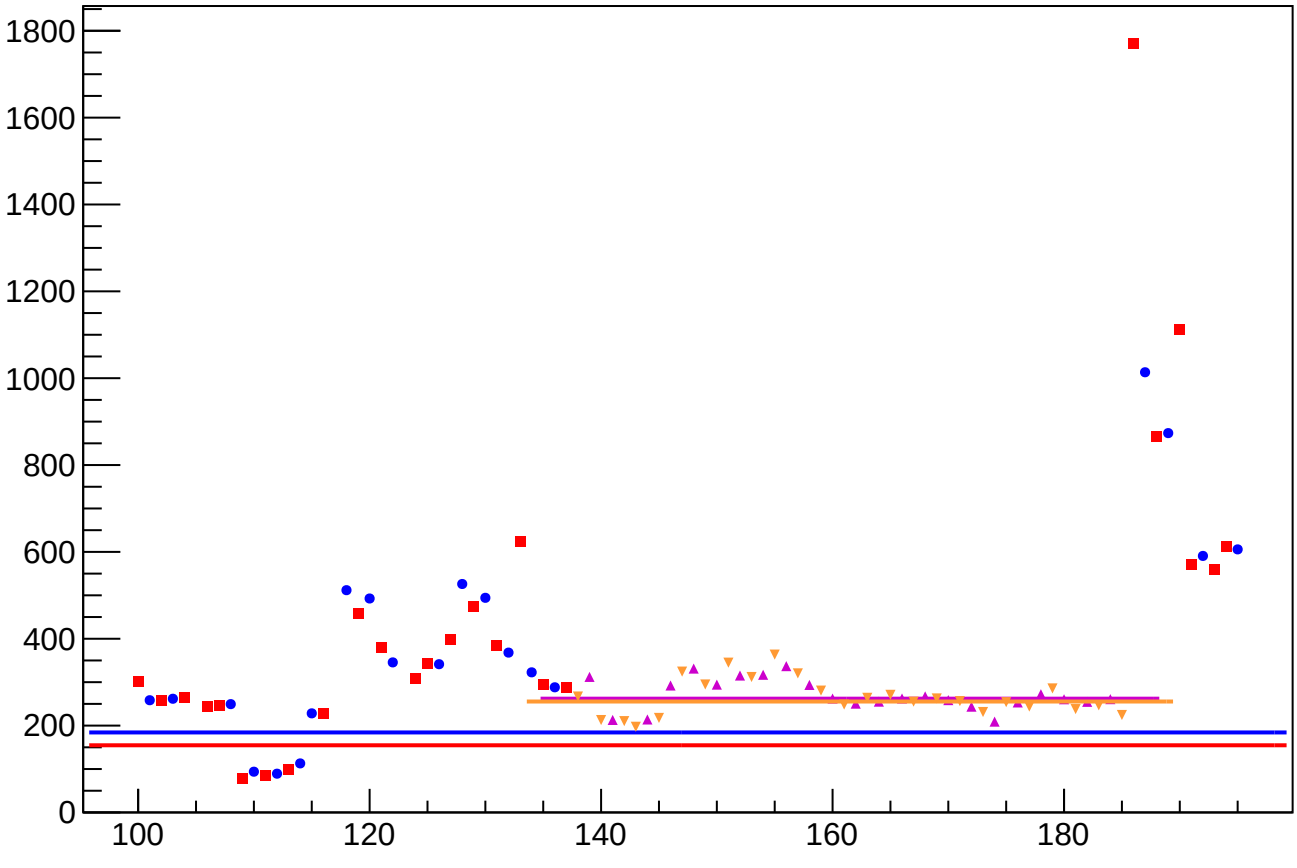
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -36.460+/-48.281 χ^2/NDF: 42.6/44

In: -21.007+/-47.712 χ^2/NDF:49.7/42

Out: -129.139+/-43.061 χ^2/NDF:89.4/49

All: -80.599+/-31.967 χ^2/NDF: 141.9/92



Right In: 184.243+/-0.053 χ^2/NDF: 7278561.6/19

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 154.691+/-0.045 χ^2/NDF: 9781750.8/24

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

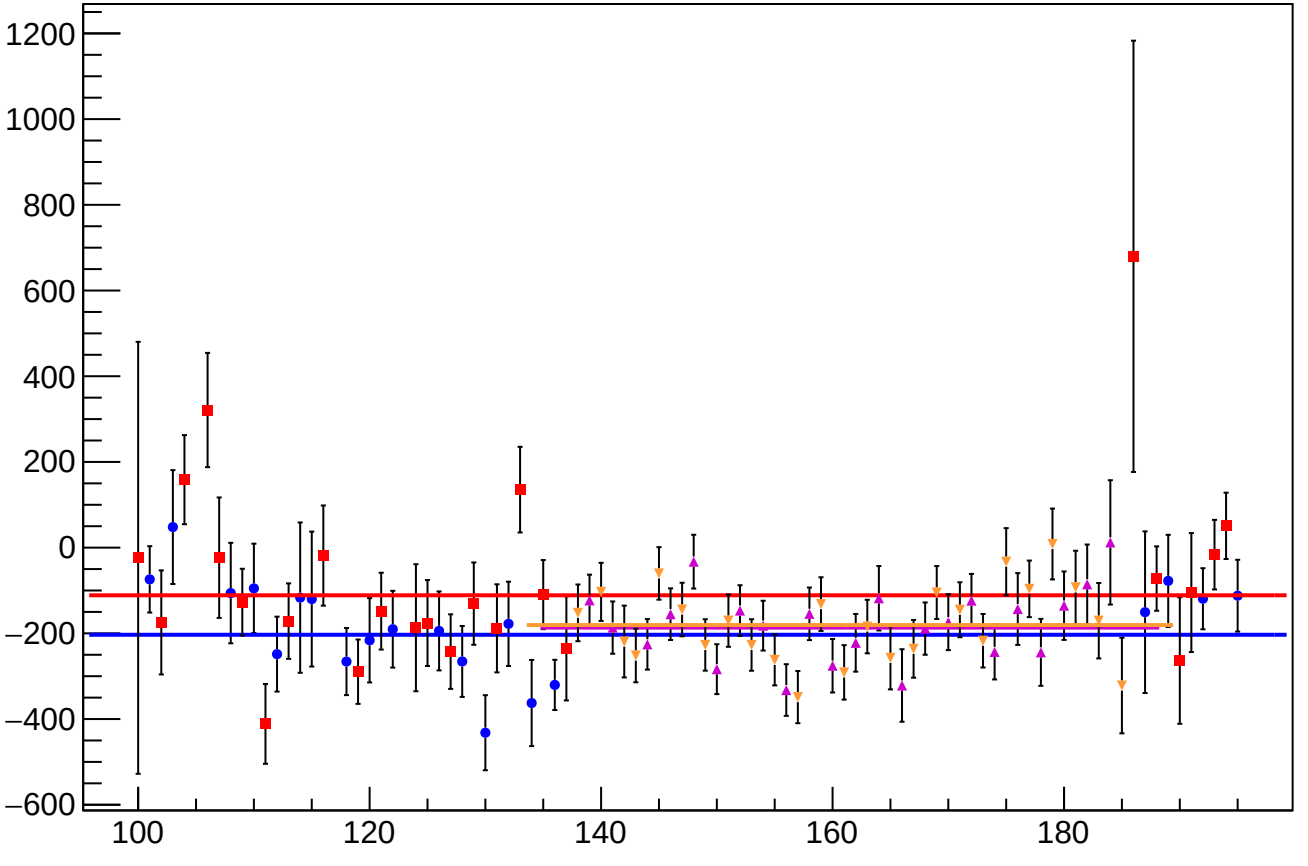
Right: 166.964+/-0.034 χ^2/NDF: 17242261.0/44

In: 230.469+/-0.034 χ^2/NDF:9230014.2/42

Out: 208.598+/-0.030 χ^2/NDF:13370954.4/49

All: 218.416+/-0.023 χ^2/NDF: 22832570.6/92

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -203.315+/-20.740 χ^2/NDF: 27.6/19

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.164+/-20.184 χ^2/NDF: 55.5/24

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

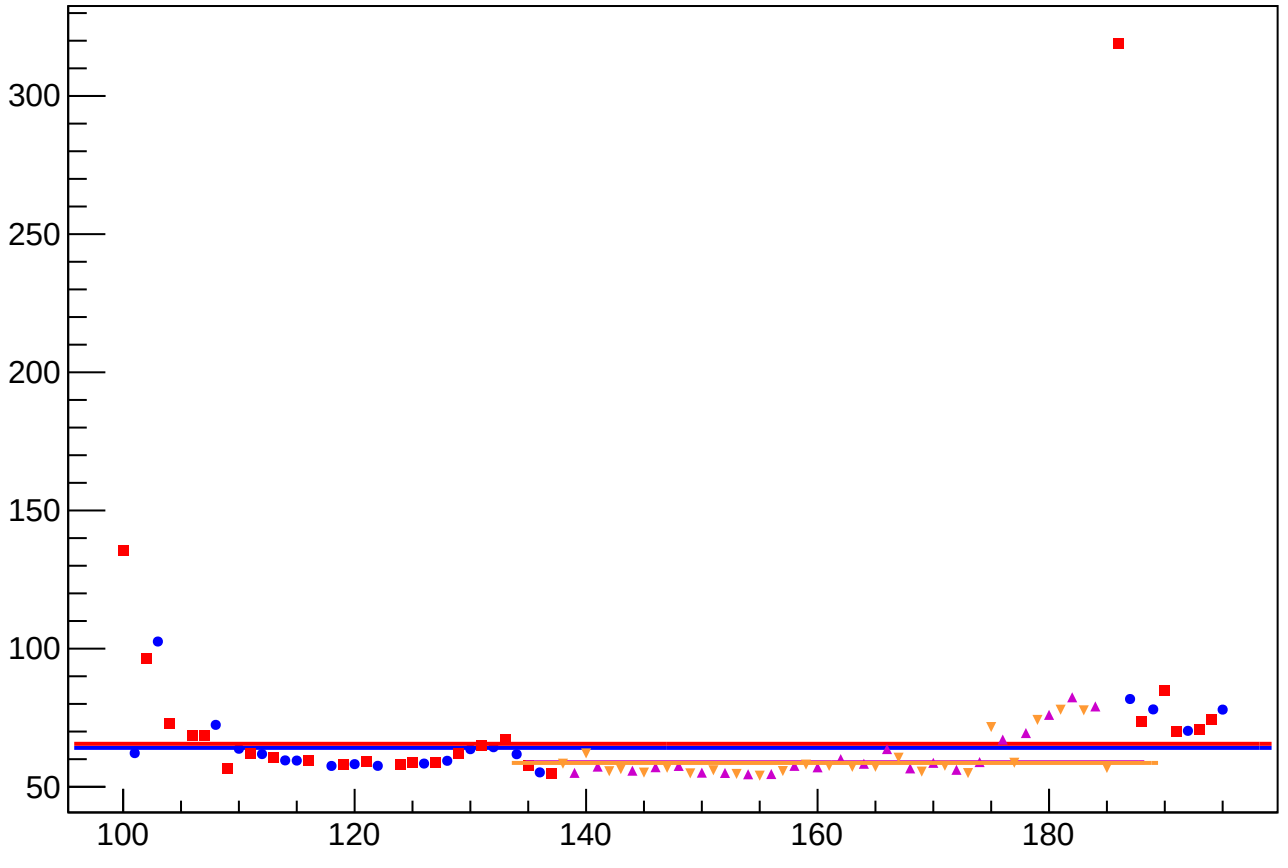
Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

Right: -155.986+/-14.465 χ^2/NDF: 93.2/44

In: -191.737+/-11.524 χ^2/NDF:57.0/42

Out: -159.372+/-11.174 χ^2/NDF:102.4/49

All: -175.057+/-8.022 χ^2/NDF: 163.4/92



Right In: 64.096+/-0.015 χ^2/NDF: 396719.1/19

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 65.565+/-0.014 χ^2/NDF: 916570.9/24

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

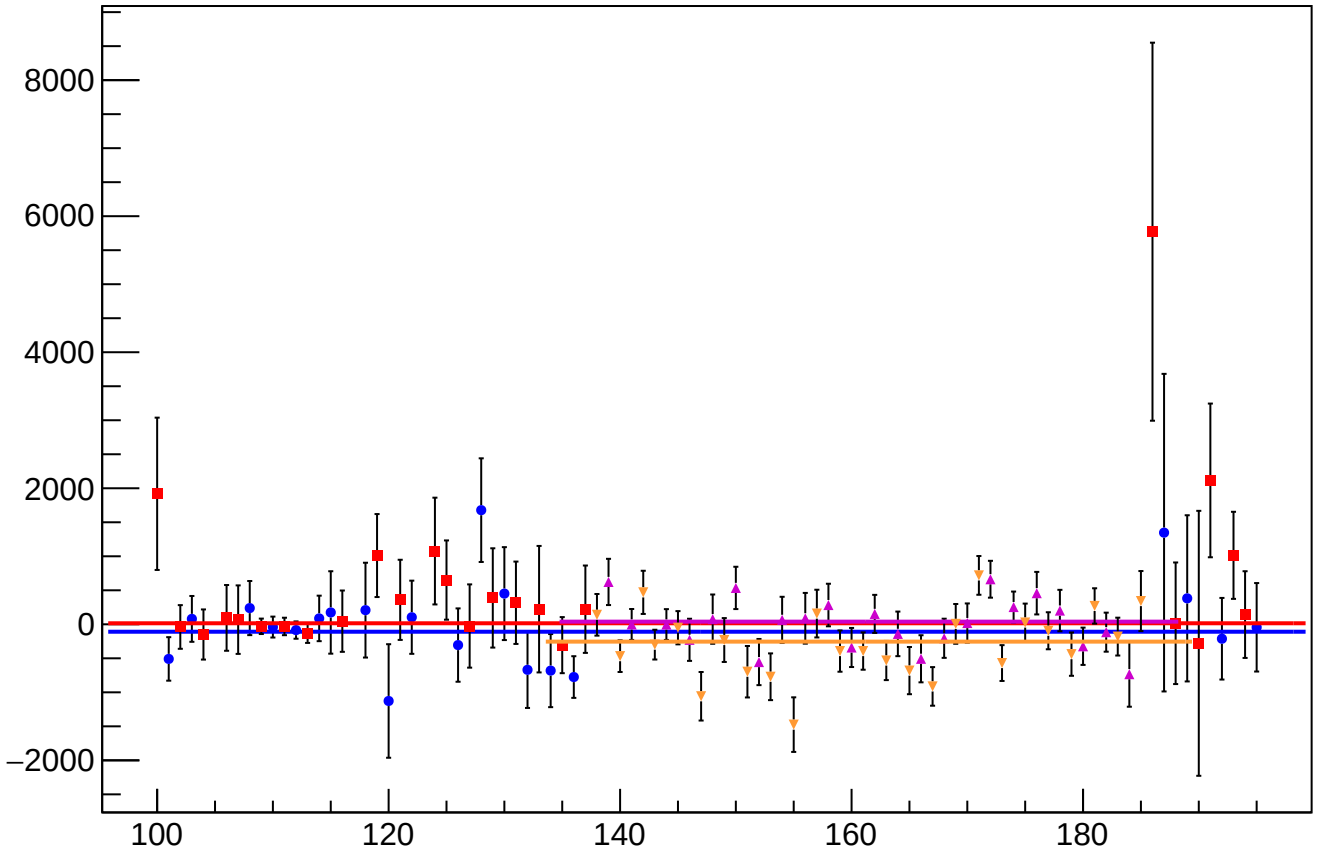
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 64.850+/-0.010 χ^2/NDF: 1318446.5/44

In: 60.508+/-0.008 χ^2/NDF:870099.7/42

Out: 60.765+/-0.008 χ^2/NDF:1473549.2/49

All: 60.641+/-0.006 χ^2/NDF: 2344162.3/92



Right In: -109.170+/-74.920 χ^2/NDF: 19.1/19

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 15.185+/-63.141 χ^2/NDF: 22.0/24

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

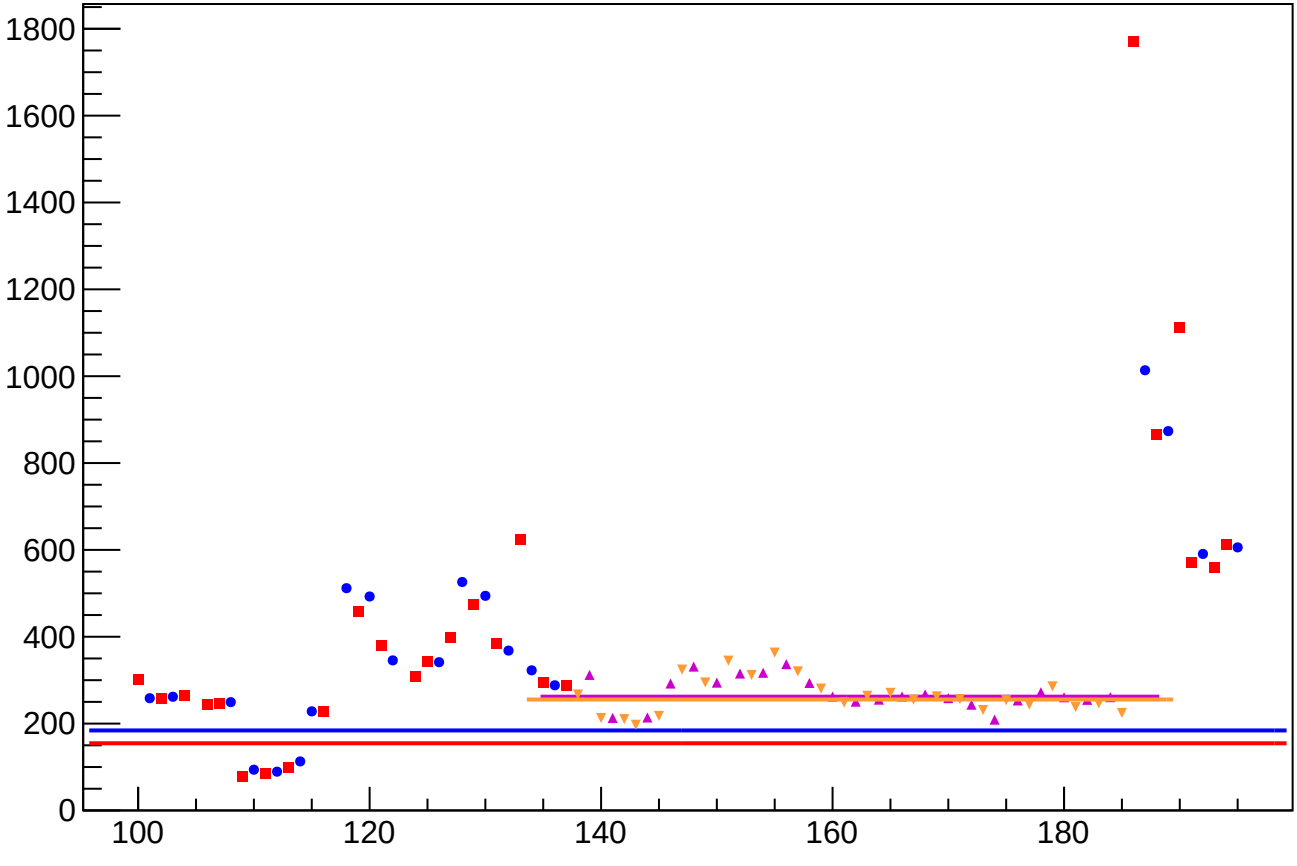
Right: -36.460+/-48.281 χ^2/NDF: 42.6/44

In: -21.007+/-47.712 χ^2/NDF:49.7/42

Out: -129.139+/-43.061 χ^2/NDF:89.4/49

All: -80.599+/-31.967 χ^2/NDF: 141.9/92

asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 184.243+/-0.053 χ^2/NDF: 7278561.6/19

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 154.691+/-0.045 χ^2/NDF: 9781750.8/24

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

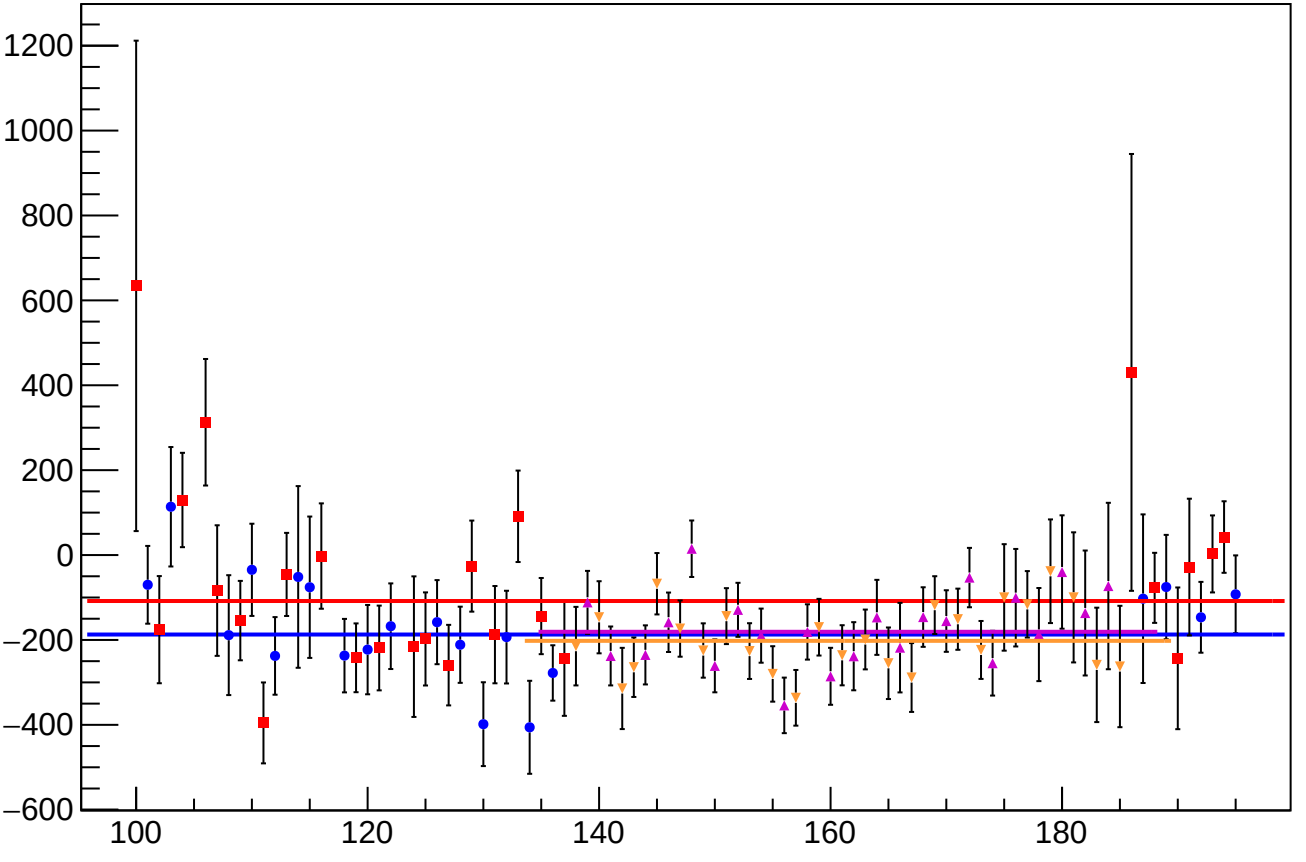
Right: 166.964+/-0.034 χ^2/NDF: 17242261.0/44

In: 230.469+/-0.034 χ^2/NDF:9230014.2/42

Out: 208.598+/-0.030 χ^2/NDF:13370954.4/49

All: 218.416+/-0.023 χ^2/NDF: 22832570.6/92

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -187.209+/-23.006 χ^2/NDF: 22.8/19

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.260+/-22.210 χ^2/NDF: 45.1/24

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

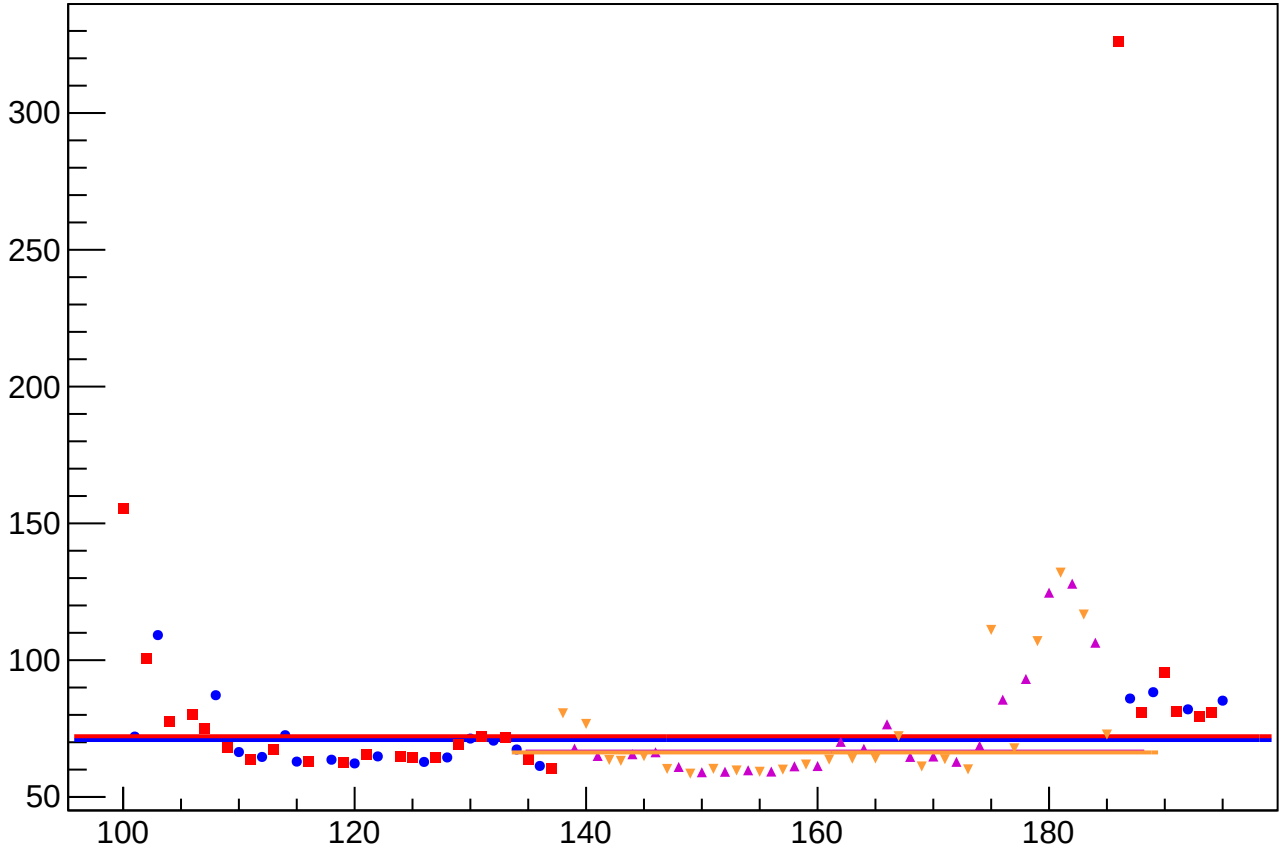
Right: -146.344+/-15.979 χ^2/NDF: 74.0/44

In: -182.882+/-13.146 χ^2/NDF:53.0/42

Out: -171.257+/-12.732 χ^2/NDF:78.6/49

All: -176.883+/-9.146 χ^2/NDF: 131.9/92

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 70.817+/-0.016 χ^2/NDF: 432007.5/19

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 72.192+/-0.016 χ^2/NDF: 874559.2/24

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

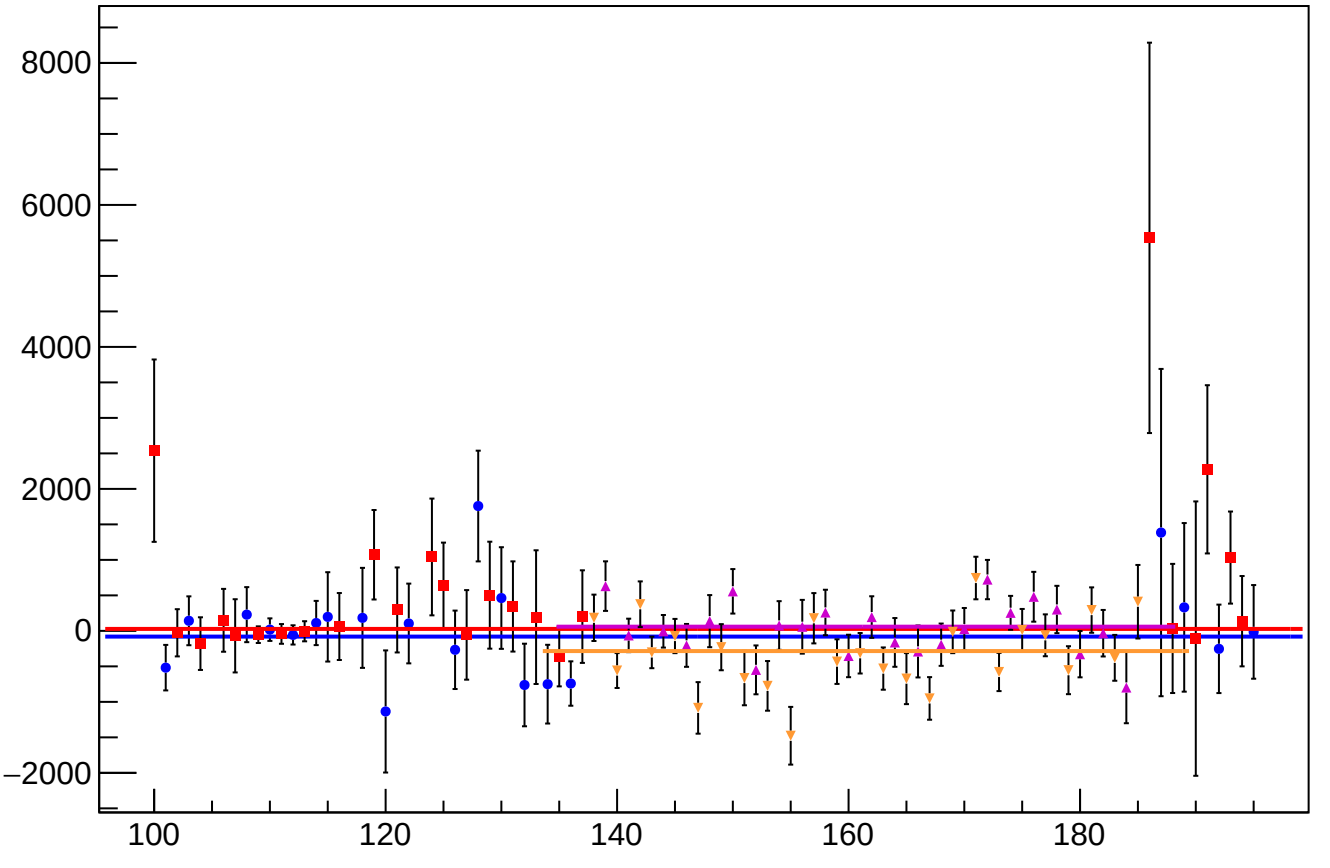
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 71.528+/-0.011 χ^2/NDF: 1310264.0/44

In: 67.967+/-0.009 χ^2/NDF:1635810.3/42

Out: 68.222+/-0.009 χ^2/NDF:2363605.2/49

All: 68.098+/-0.006 χ^2/NDF: 3999803.6/92



Right In: -80.525+/-77.307 χ^2/NDF: 19.8/19

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 27.609+/-64.907 χ^2/NDF: 22.2/24

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

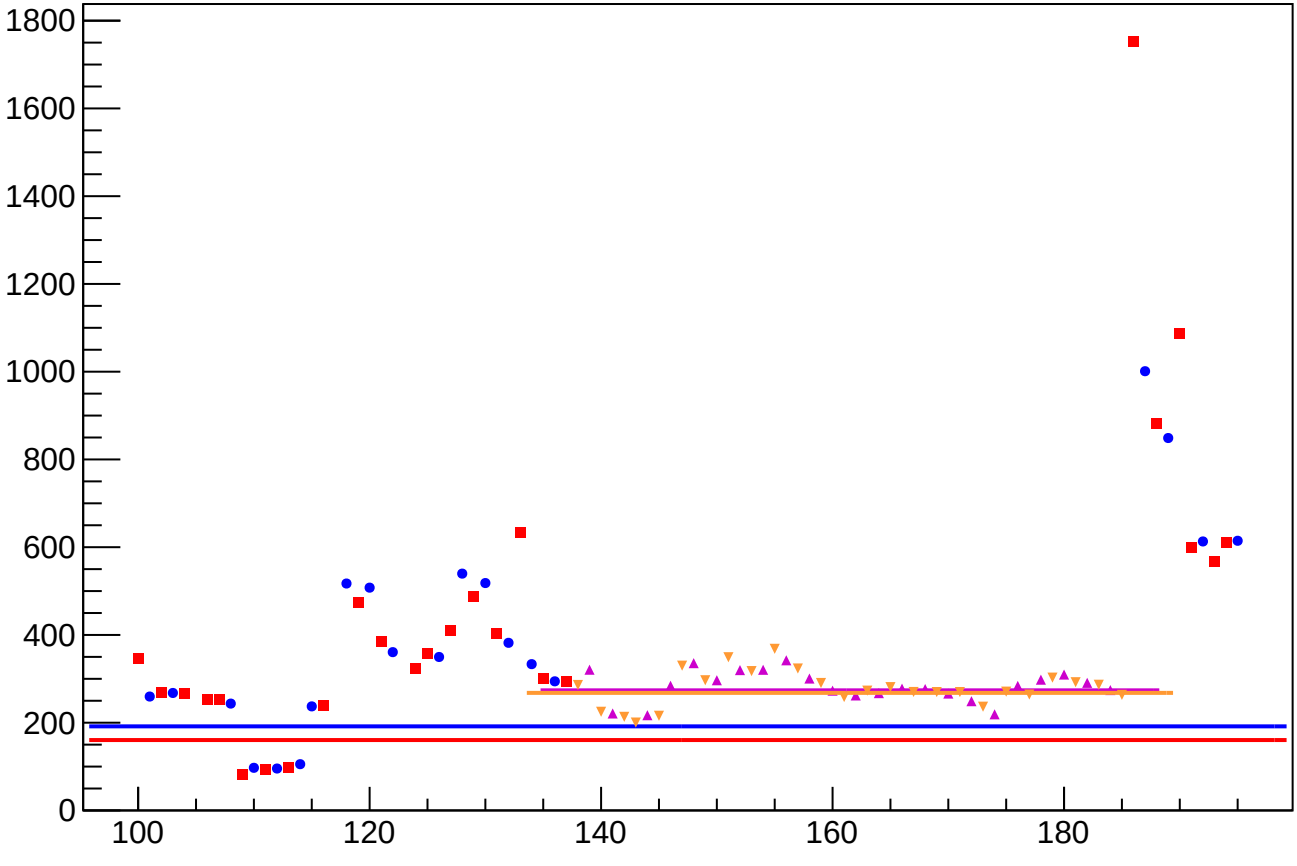
Right: -17.101+/-49.709 χ^2/NDF: 43.2/44

In: 1.688+/-49.587 χ^2/NDF:48.6/42

Out: -136.251+/-44.730 χ^2/NDF:89.0/49

All: -74.367+/-33.214 χ^2/NDF: 141.8/92

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 191.666+/-0.055 χ^2/NDF: 7114476.9/19

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 160.462+/-0.046 χ^2/NDF: 9711075.1/24

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

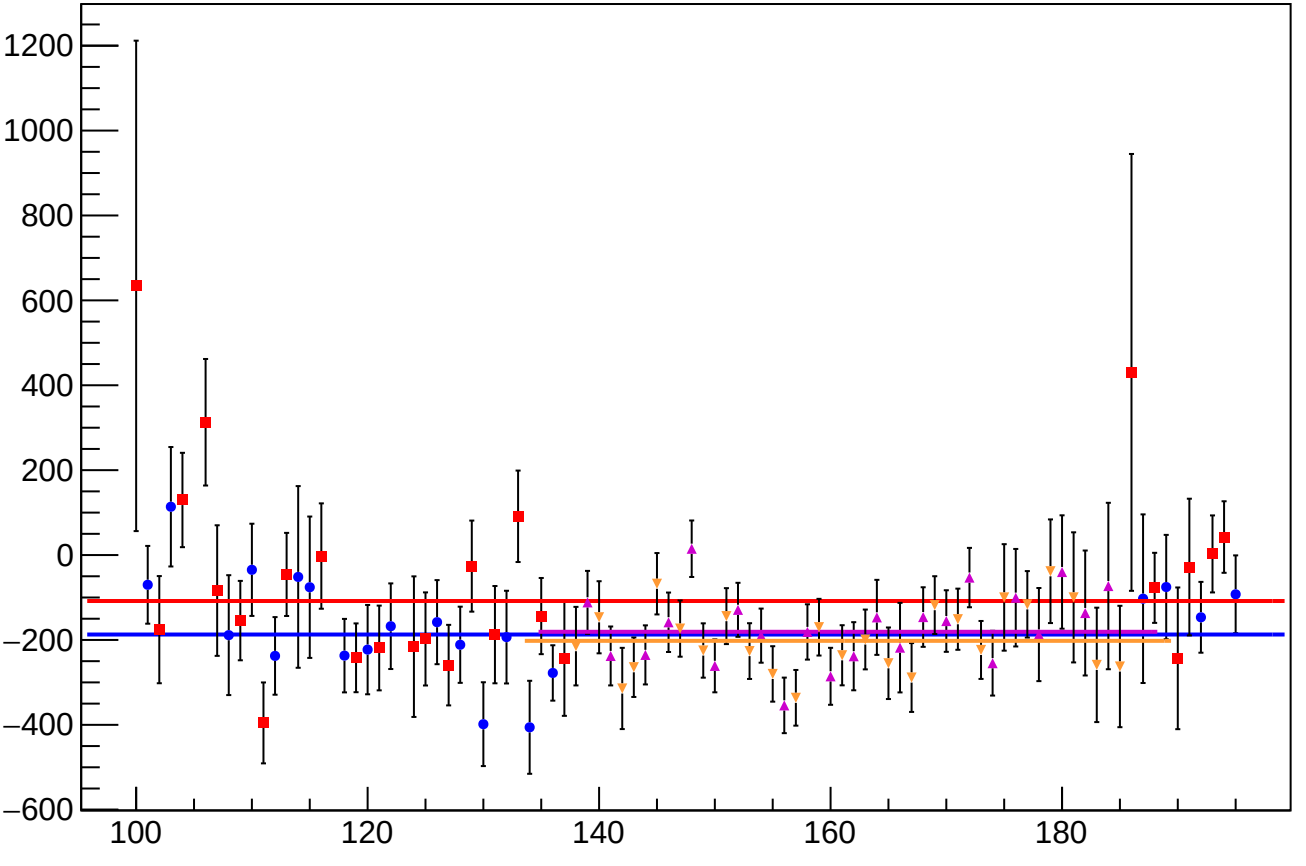
Right: 173.364+/-0.035 χ^2/NDF: 17016673.8/44

In: 239.978+/-0.035 χ^2/NDF:9091888.6/42

Out: 216.922+/-0.032 χ^2/NDF:13455827.7/49

All: 227.265+/-0.023 χ^2/NDF: 22786107.5/92

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -187.209+/-23.006 χ^2/NDF: 22.8/19

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.261+/-22.210 χ^2/NDF: 45.1/24

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

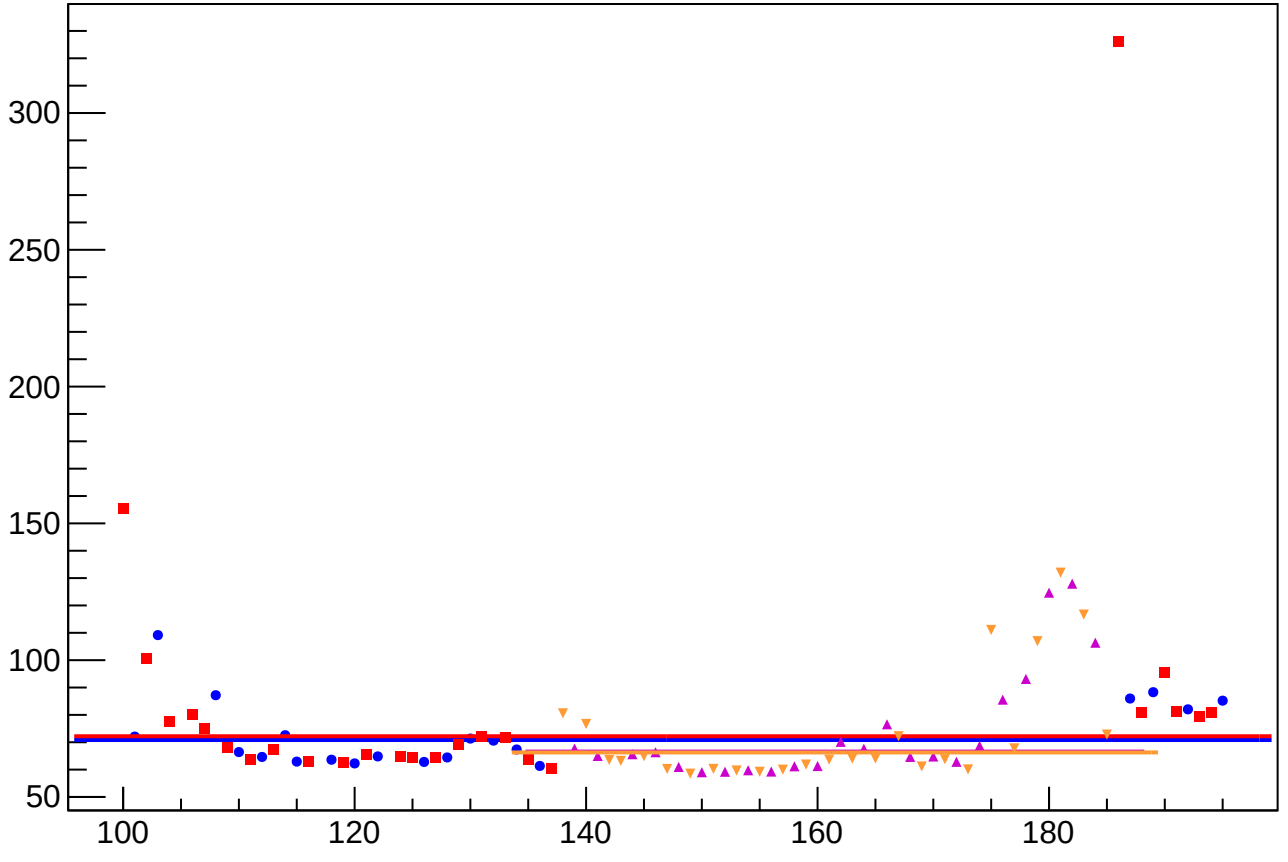
Right: -146.345+/-15.979 χ^2/NDF: 74.0/44

In: -182.882+/-13.146 χ^2/NDF:53.0/42

Out: -171.257+/-12.732 χ^2/NDF:78.6/49

All: -176.883+/-9.146 χ^2/NDF: 131.9/92

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 70.817+/-0.016 χ^2/NDF: 432009.8/19

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 72.191+/-0.016 χ^2/NDF: 874561.4/24

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

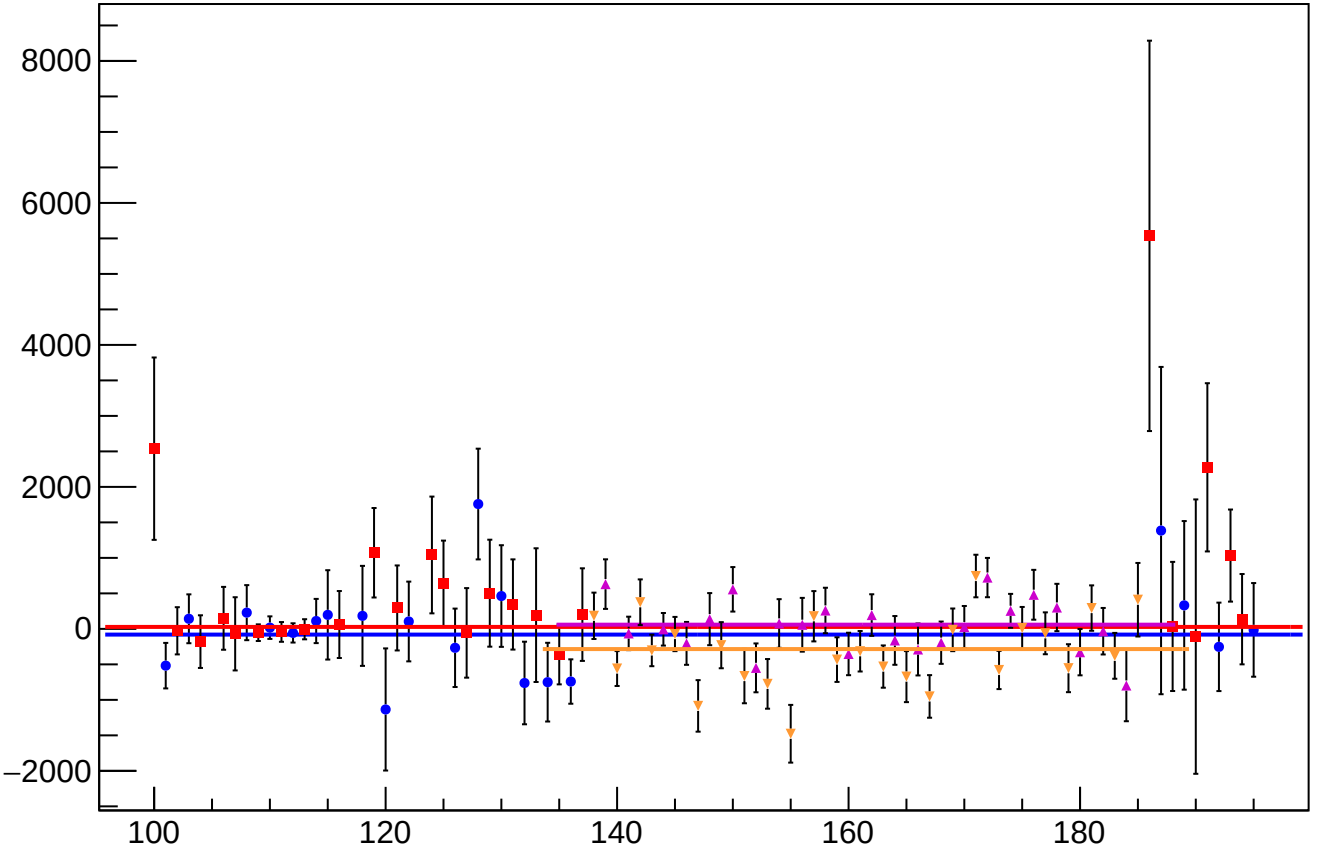
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 71.528+/-0.011 χ^2/NDF: 1310268.2/44

In: 67.967+/-0.009 χ^2/NDF:1635801.9/42

Out: 68.222+/-0.009 χ^2/NDF:2363602.1/49

All: 68.098+/-0.006 χ^2/NDF: 3999792.0/92



Right In: -80.523+/-77.306 χ^2/NDF: 19.8/19

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 27.608+/-64.907 χ^2/NDF: 22.2/24

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

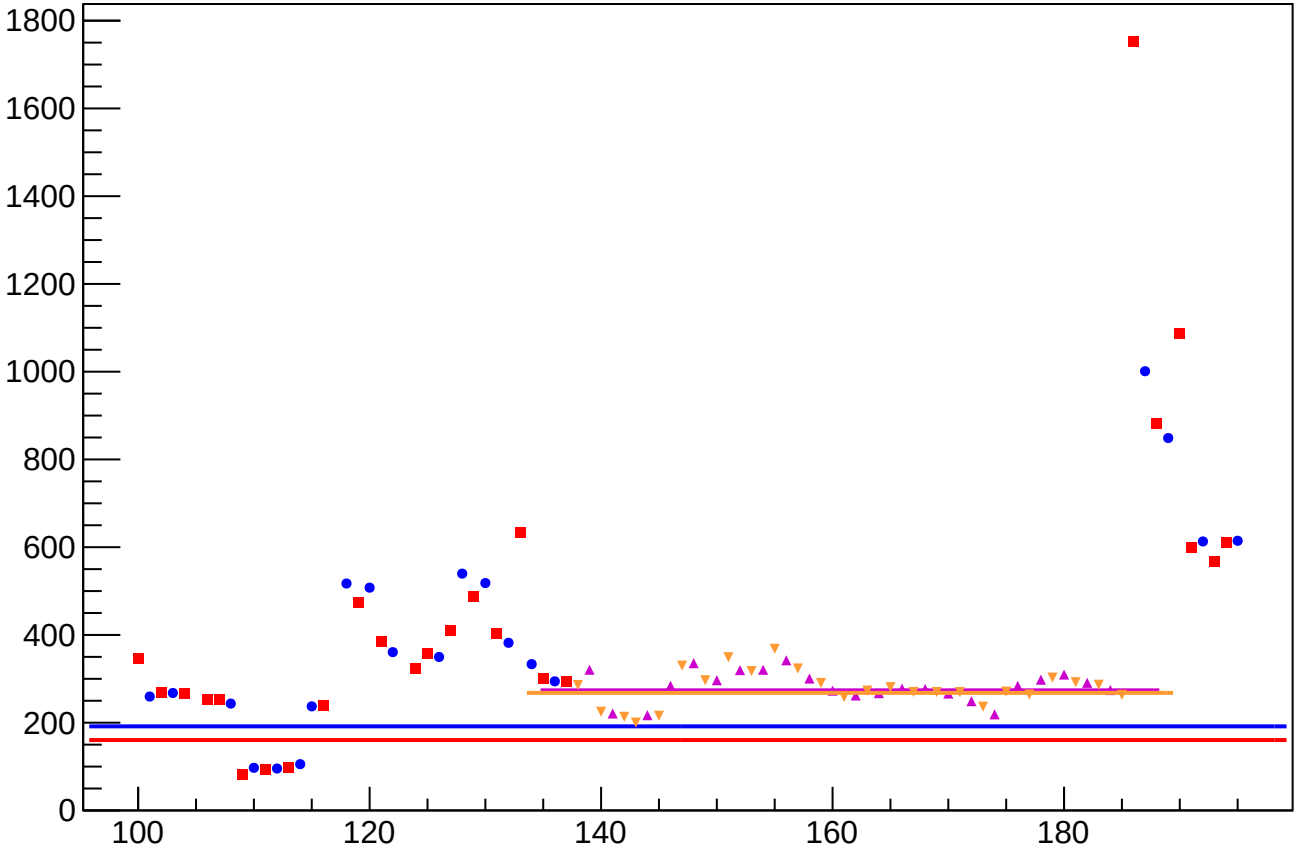
Right: -17.101+/-49.709 χ^2/NDF: 43.2/44

In: 1.689+/-49.587 χ^2/NDF:48.6/42

Out: -136.252+/-44.730 χ^2/NDF:89.0/49

All: -74.367+/-33.214 χ^2/NDF: 141.8/92

asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 191.664+/-0.055 χ^2/NDF: 7114509.2/19

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 160.461+/-0.046 χ^2/NDF: 9711054.0/24

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

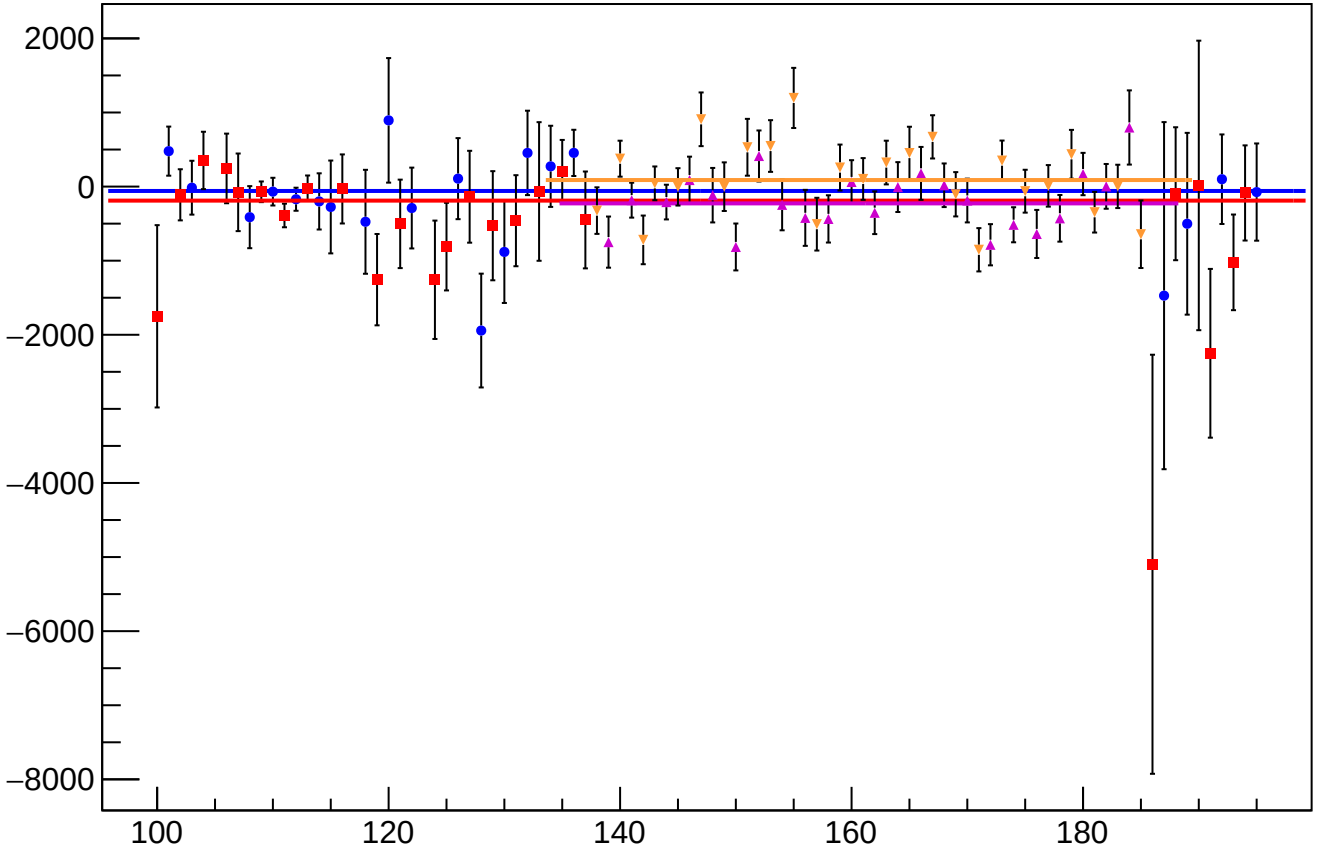
Right: 173.363+/-0.035 χ^2/NDF: 17016672.5/44

In: 239.976+/-0.035 χ^2/NDF:9091958.1/42

Out: 216.921+/-0.032 χ^2/NDF:13455801.3/49

All: 227.265+/-0.023 χ^2/NDF: 22786138.9/92

asym_sam8_mean vs Slug, Sign Corrected



Right In: -59.114+/-85.015 χ^2/NDF: 17.9/19

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -189.368+/-73.142 χ^2/NDF: 23.6/24

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

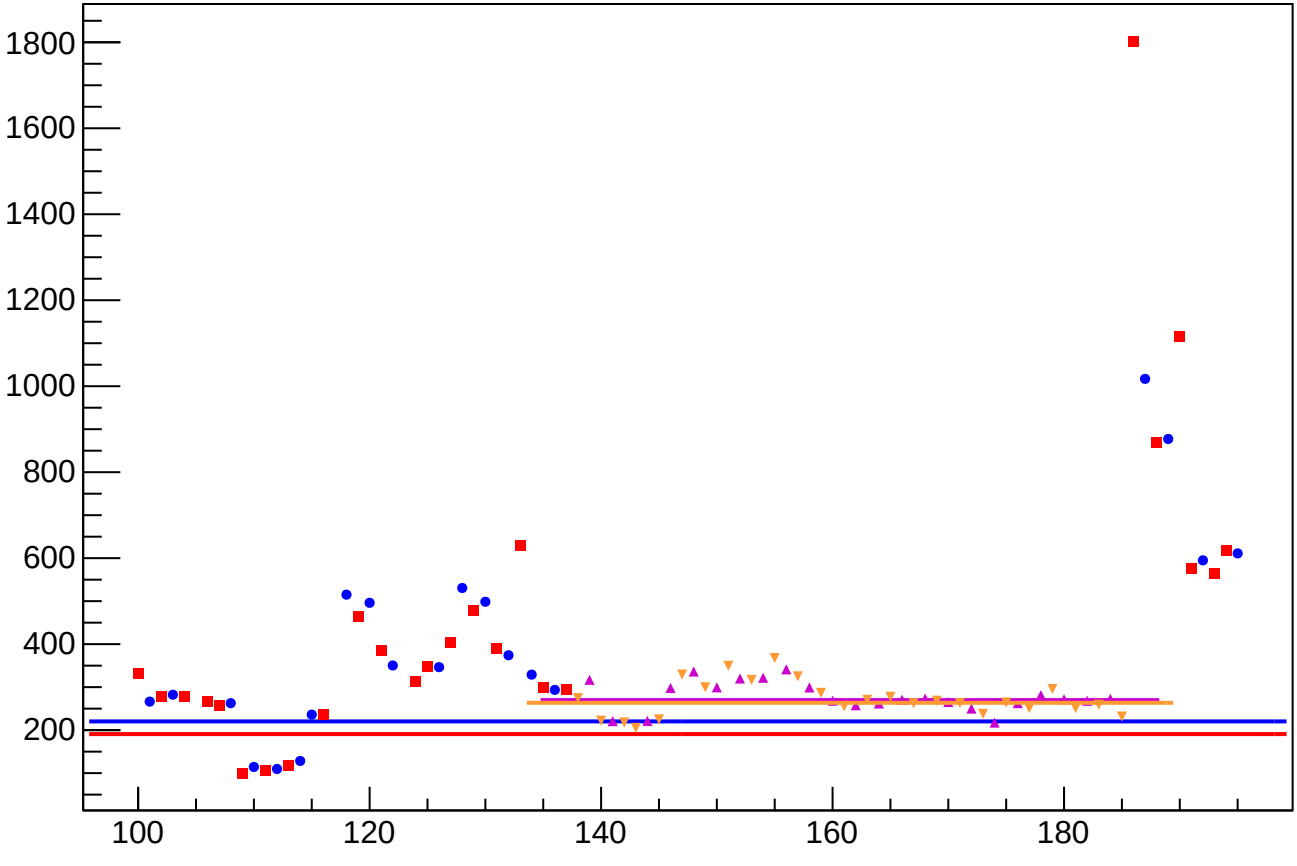
Right: -133.965+/-55.446 χ^2/NDF: 42.9/44

In: -166.578+/-50.966 χ^2/NDF:49.3/42

Out: -24.811+/-46.694 χ^2/NDF:84.3/49

All: -89.506+/-34.429 χ^2/NDF: 137.8/92

asym_sam8_rms vs Slug, Sign Corrected



Right In: 220.296+/-0.060 χ^2/NDF: 5951373.6/19

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 190.815+/-0.052 χ^2/NDF: 8354139.6/24

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

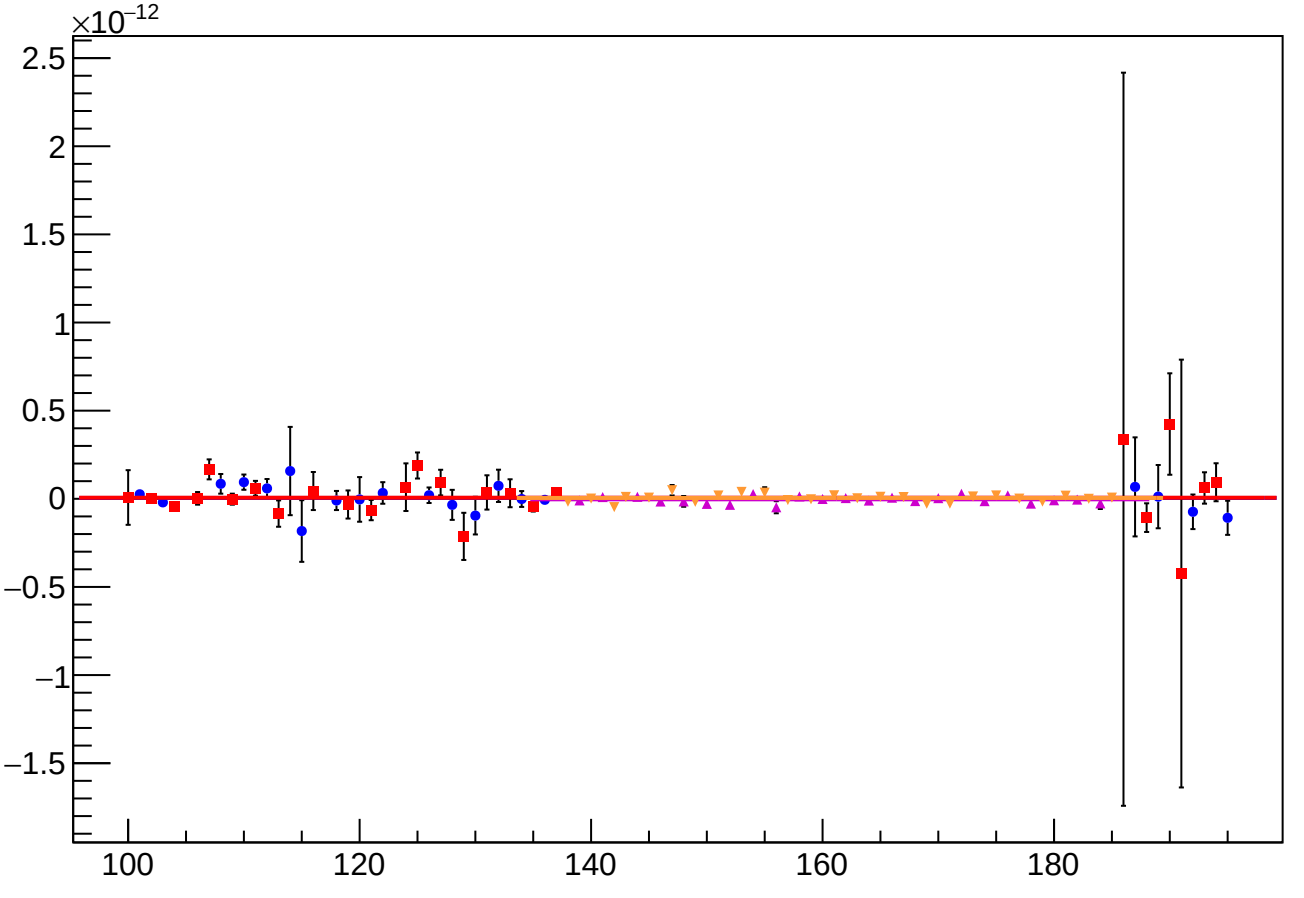
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 203.355+/-0.039 χ^2/NDF: 14443713.9/44

In: 252.071+/-0.036 χ^2/NDF:6989766.6/42

Out: 233.931+/-0.033 χ^2/NDF:10307090.8/49

All: 242.209+/-0.024 χ^2/NDF: 17434603.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/24

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

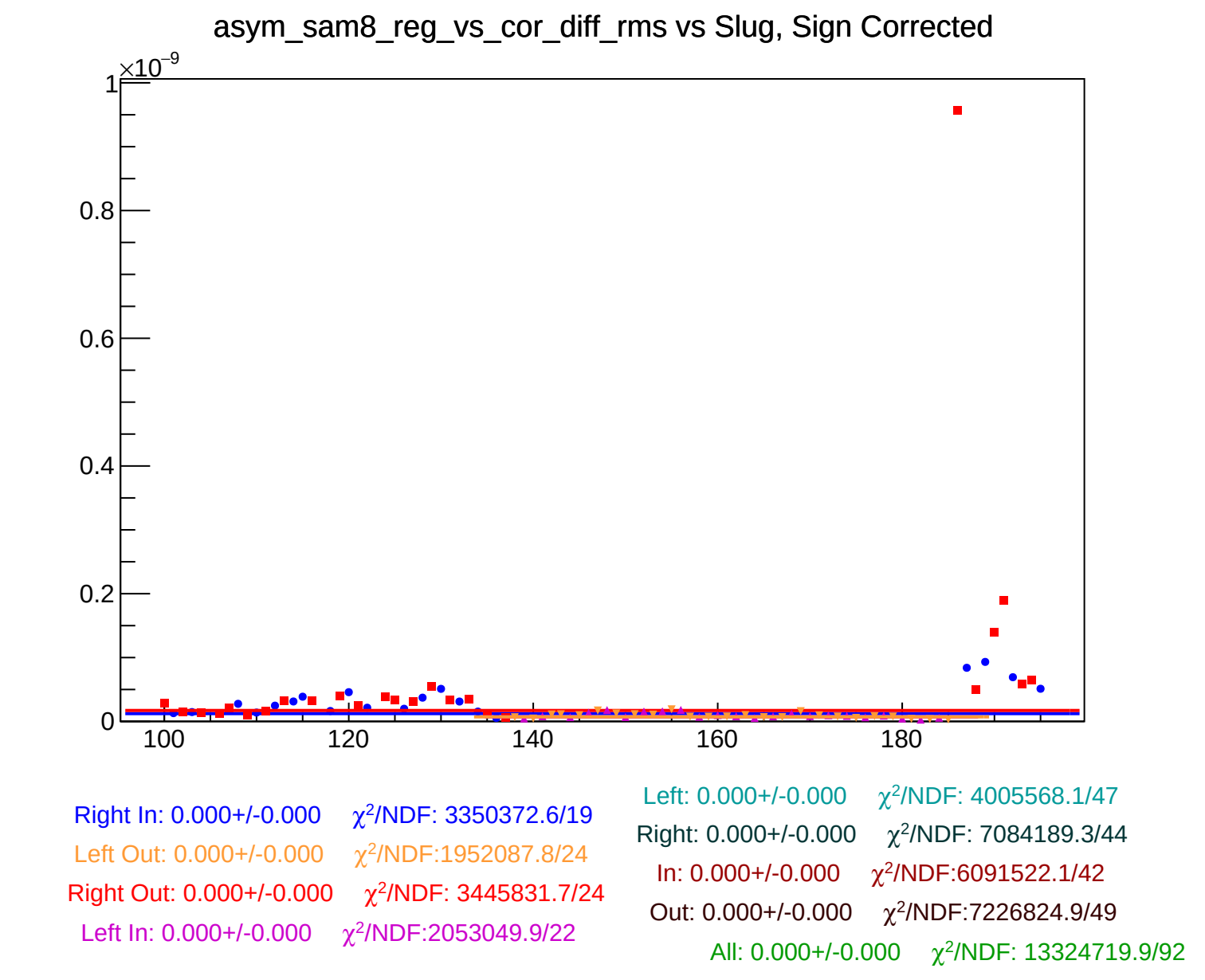
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

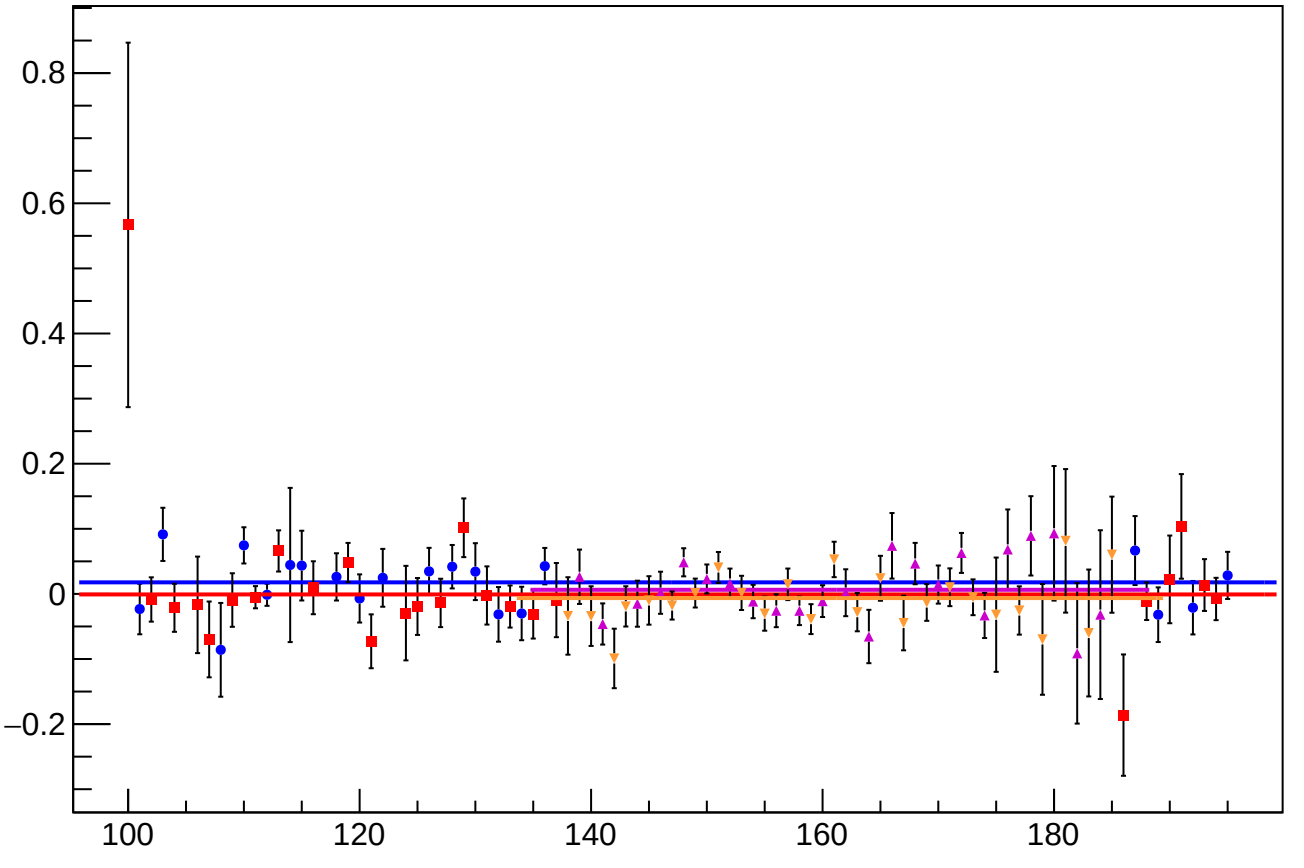
Right: 0.000+/-0.000 χ^2/NDF: 51.6/44

In: -0.000+/-0.000 χ^2/NDF:38.2/42

Out: 0.000+/-0.000 χ^2/NDF:63.7/49

All: 0.000+/-0.000 χ^2/NDF: 104.6/92


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3350372.6/19
Left Out: 0.000+/-0.000 χ²/NDF:1952087.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3445831.7/24
Left In: 0.000+/-0.000 χ²/NDF:2053049.9/22
Left: 0.000+/-0.000 χ²/NDF: 4005568.1/47
Right: 0.000+/-0.000 χ²/NDF: 7084189.3/44
In: 0.000+/-0.000 χ²/NDF:6091522.1/42
Out: 0.000+/-0.000 χ²/NDF:7226824.9/49
All: 0.000+/-0.000 χ²/NDF: 13324719.9/92



Right In: 0.018+/-0.008 χ^2/NDF: 20.3/19

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 28.9/24

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

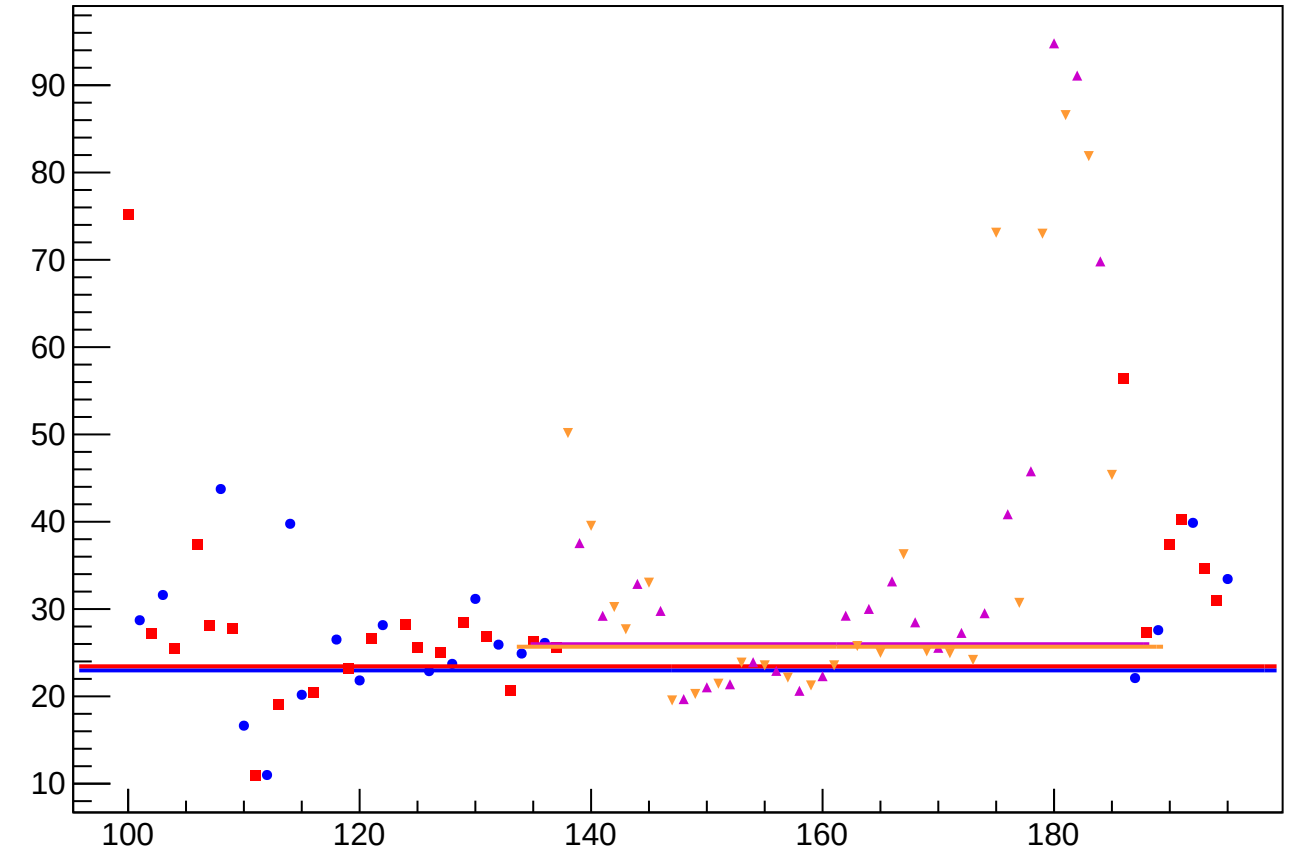
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.006 χ^2/NDF: 52.1/44

In: 0.011+/-0.005 χ^2/NDF:49.9/42

Out: -0.004+/-0.005 χ^2/NDF:51.8/49

All: 0.003+/-0.004 χ^2/NDF: 106.3/92



Right In: 22.975+/-0.006 χ^2/NDF: 2133142.7/19

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 23.443+/-0.005 χ^2/NDF: 2155107.9/24

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

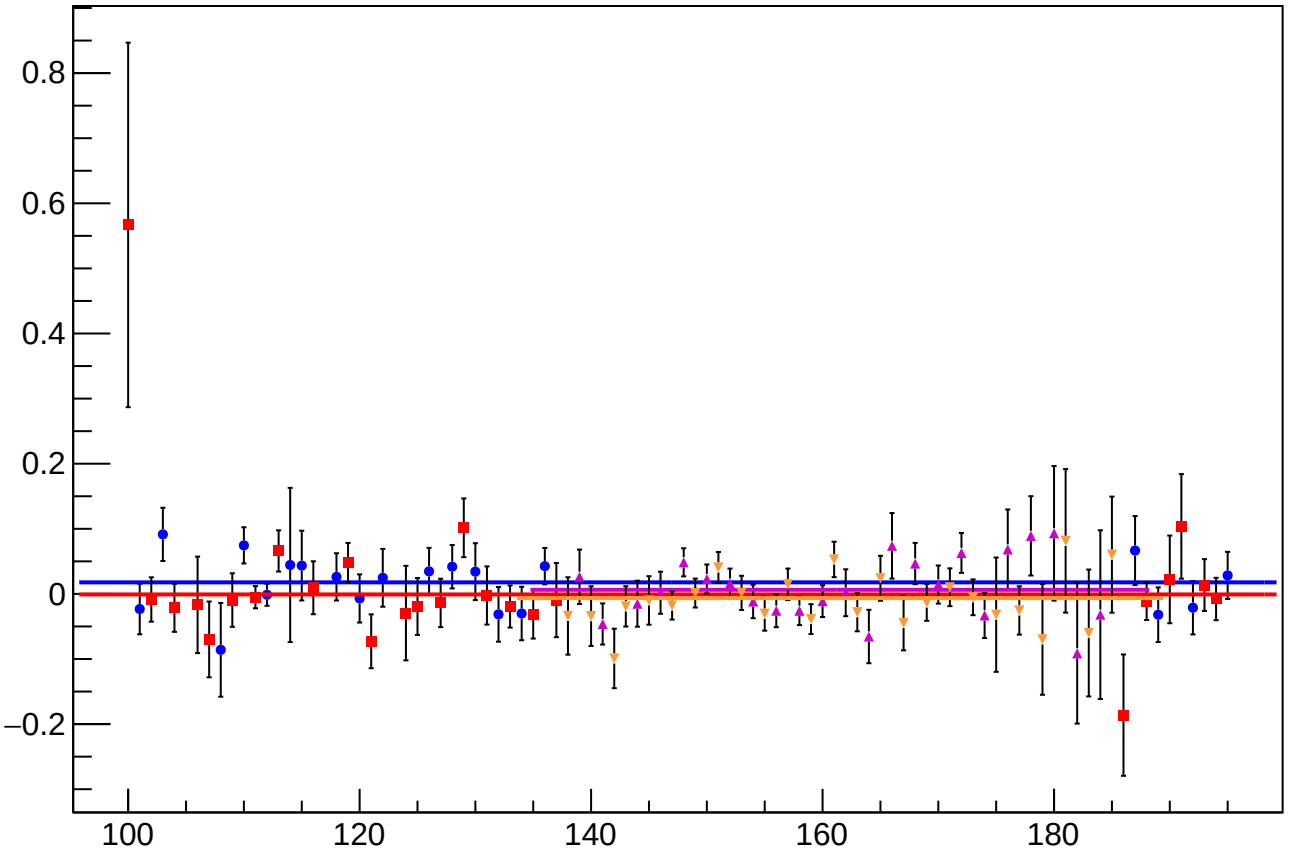
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 23.220+/-0.004 χ^2/NDF: 4291809.7/44

In: 24.757+/-0.004 χ^2/NDF:5417361.8/42

Out: 24.762+/-0.003 χ^2/NDF:6127829.0/49

All: 24.760+/-0.003 χ^2/NDF: 11545192.2/92



Right In: 0.018+/-0.008 χ^2/NDF: 20.3/19

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 28.9/24

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

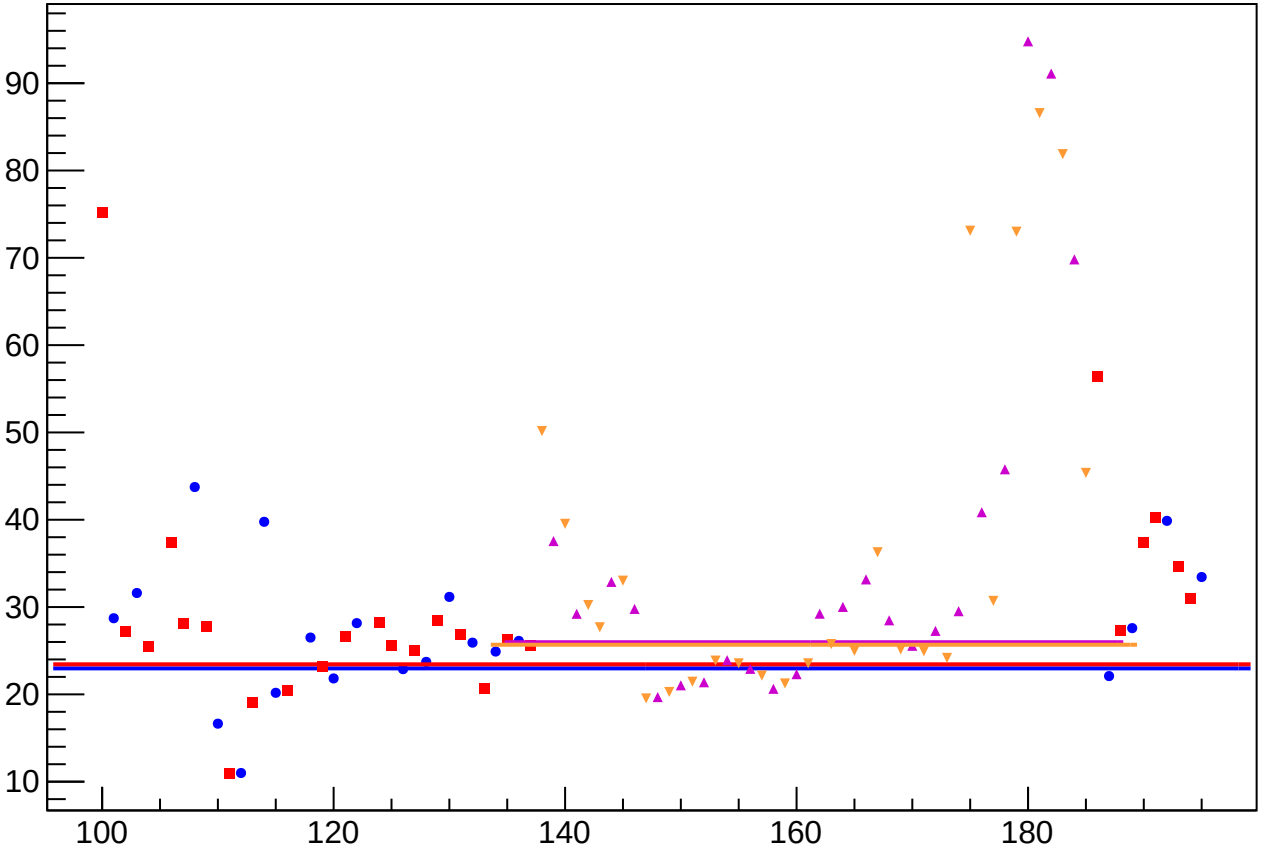
Right: 0.008+/-0.006 χ^2/NDF: 52.1/44

In: 0.011+/-0.005 χ^2/NDF:49.9/42

Out: -0.004+/-0.005 χ^2/NDF:51.8/49

All: 0.003+/-0.004 χ^2/NDF: 106.3/92

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.975+/-0.006 χ^2/NDF: 2133142.7/19

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 23.443+/-0.005 χ^2/NDF: 2155107.9/24

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

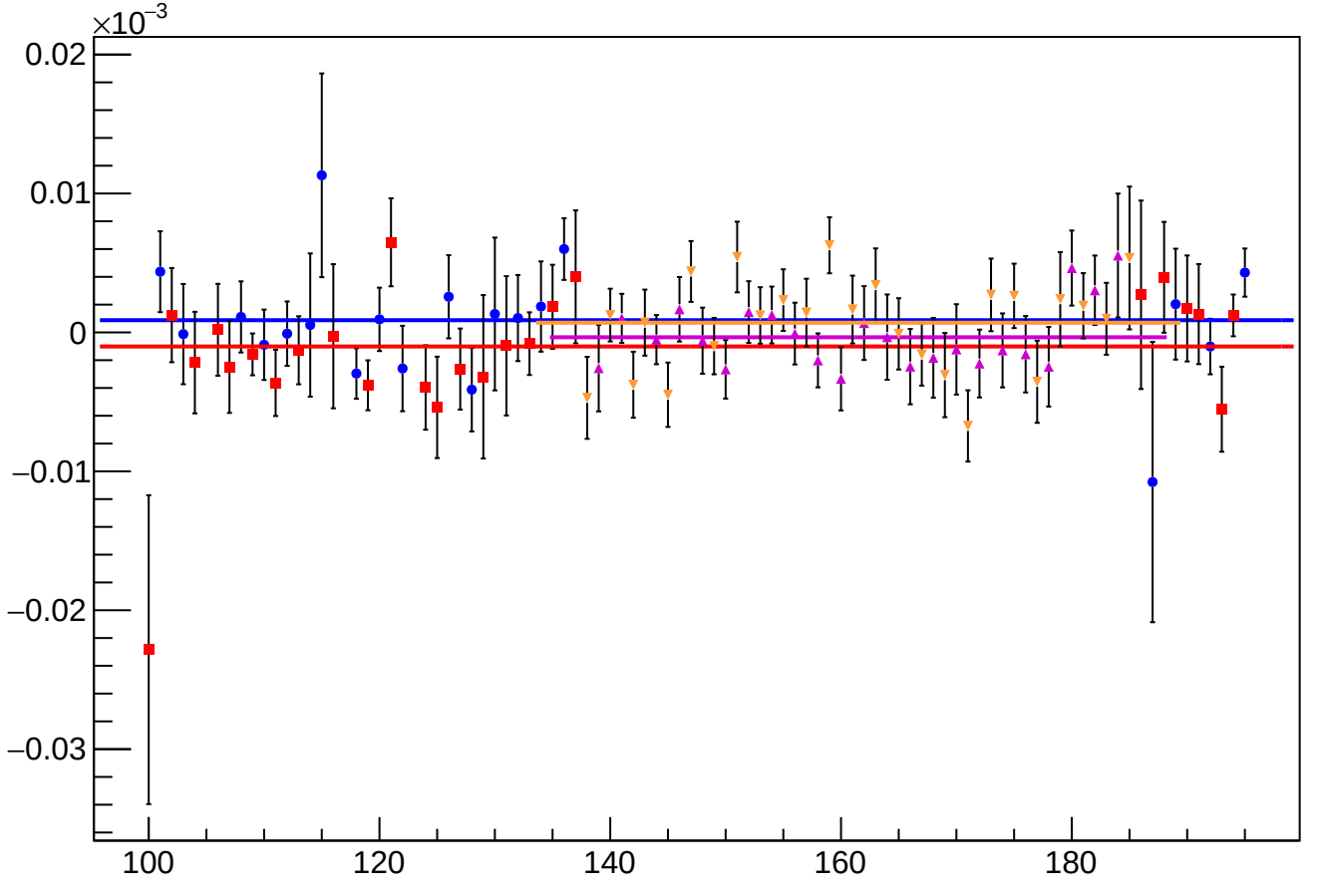
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 23.220+/-0.004 χ^2/NDF: 4291809.7/44

In: 24.757+/-0.004 χ^2/NDF:5417361.8/42

Out: 24.762+/-0.003 χ^2/NDF:6127829.0/49

All: 24.760+/-0.003 χ^2/NDF: 11545192.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/24

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

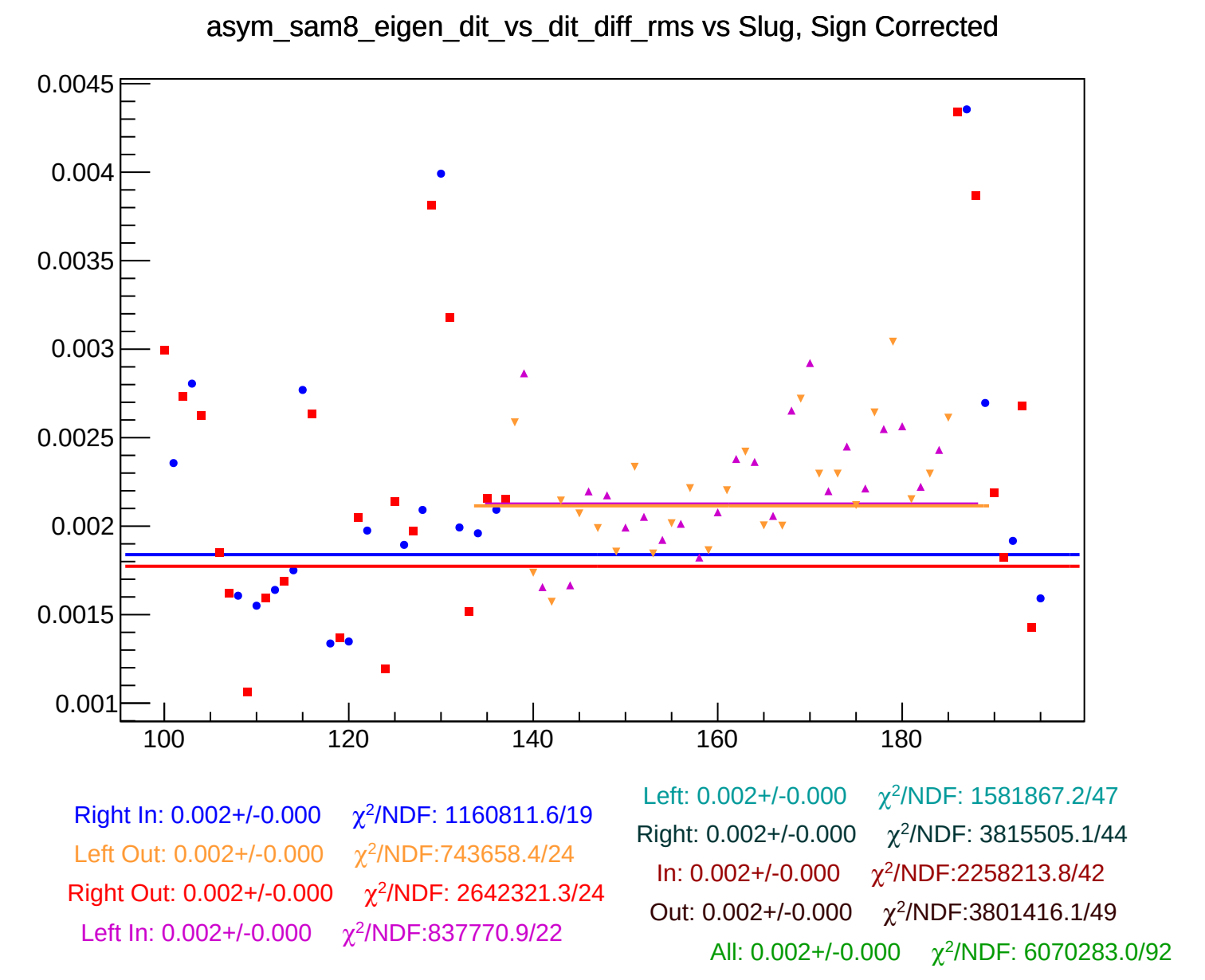
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

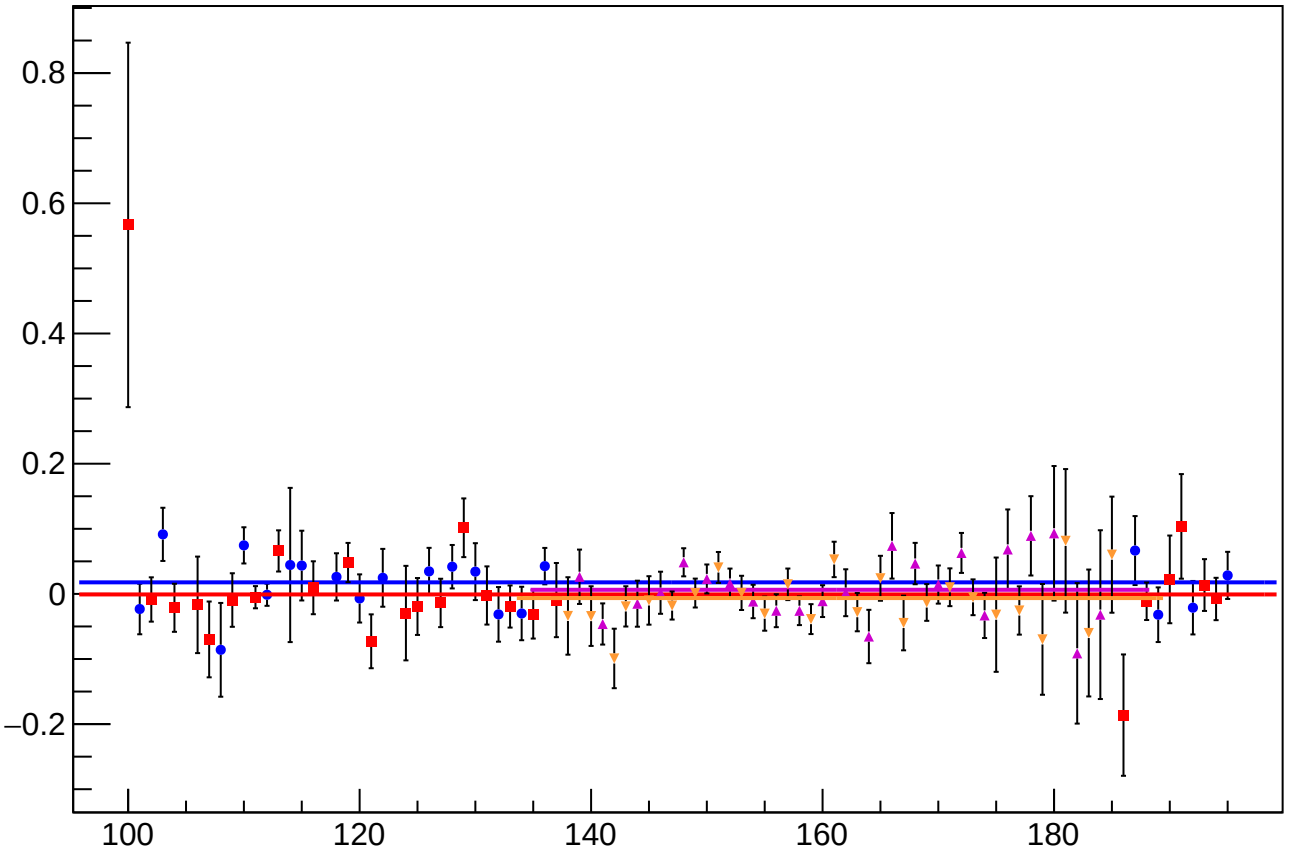
Right: -0.000+/-0.000 χ^2/NDF: 55.9/44

In: 0.000+/-0.000 χ^2/NDF:43.4/42

Out: -0.000+/-0.000 χ^2/NDF:75.7/49

All: 0.000+/-0.000 χ^2/NDF: 119.2/92


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 1160811.6/19
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 2642321.3/24
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.002+/-0.000 χ²/NDF: 3815505.1/44
In: 0.002+/-0.000 χ²/NDF:2258213.8/42
Out: 0.002+/-0.000 χ²/NDF:3801416.1/49
All: 0.002+/-0.000 χ²/NDF: 6070283.0/92



Right In: 0.018+/-0.008 χ^2/NDF: 20.3/19

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 28.9/24

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

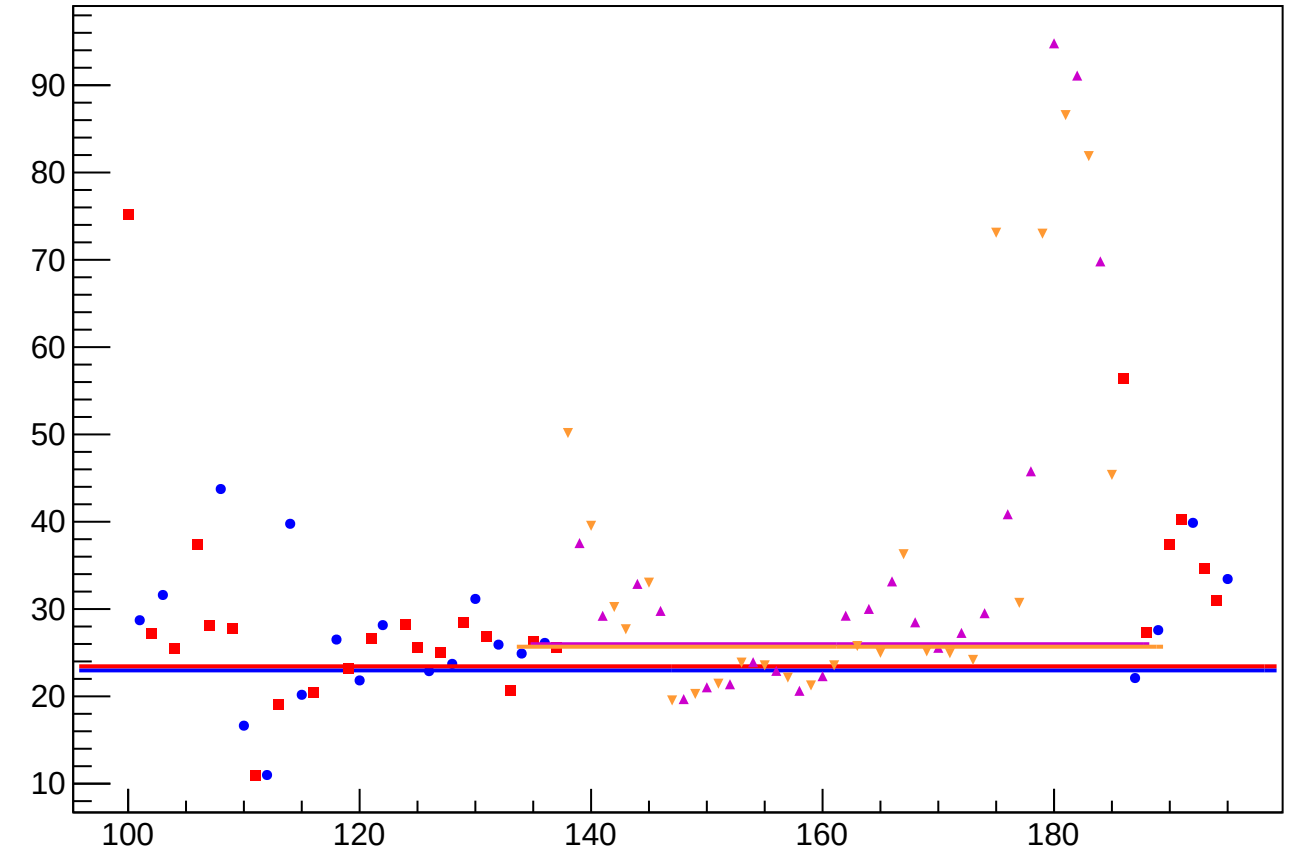
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.006 χ^2/NDF: 52.1/44

In: 0.011+/-0.005 χ^2/NDF:49.9/42

Out: -0.004+/-0.005 χ^2/NDF:51.8/49

All: 0.003+/-0.004 χ^2/NDF: 106.3/92



Right In: 22.974+/-0.006 χ^2/NDF: 2133334.1/19

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 23.442+/-0.005 χ^2/NDF: 2155285.1/24

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

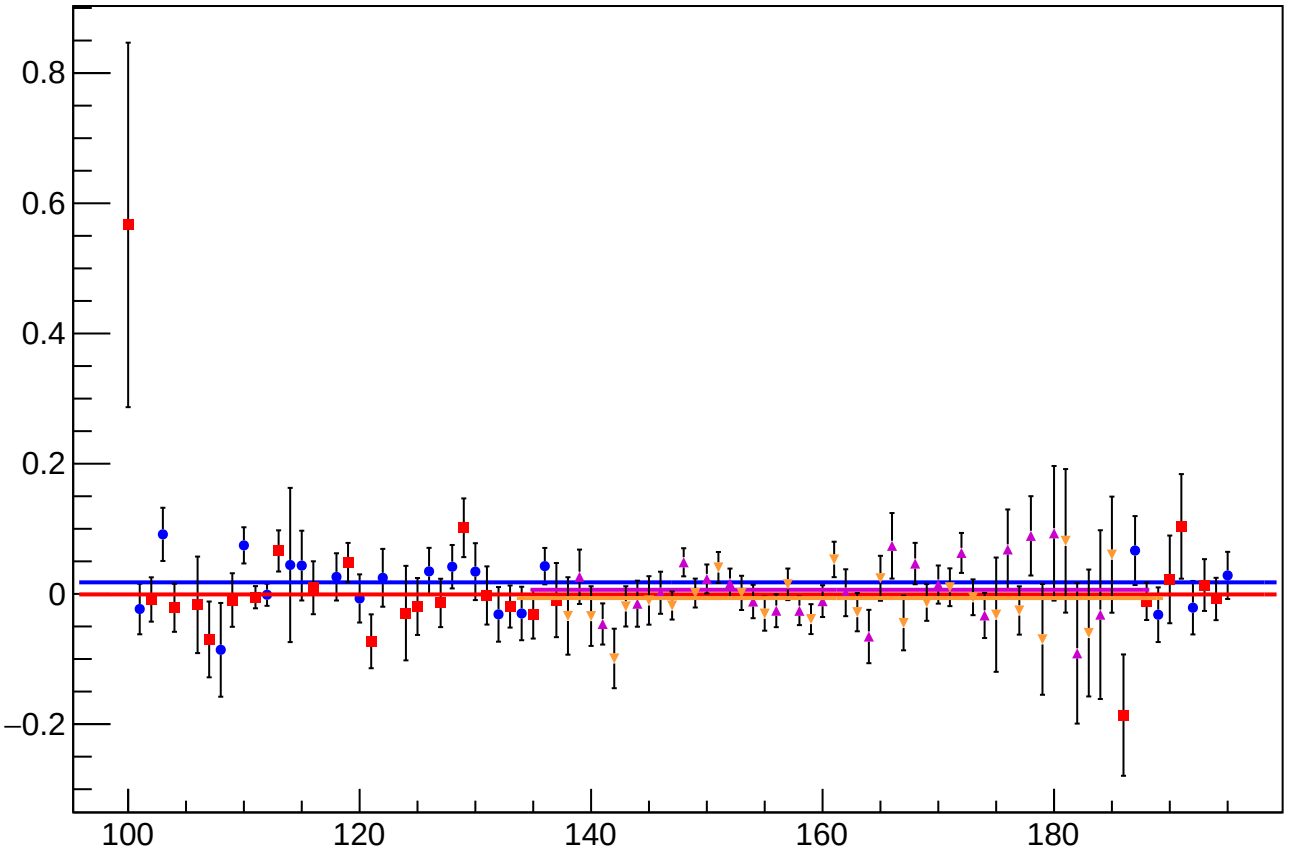
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 23.219+/-0.004 χ^2/NDF: 4292177.2/44

In: 24.756+/-0.004 χ^2/NDF:5417613.5/42

Out: 24.762+/-0.003 χ^2/NDF:6128079.7/49

All: 24.759+/-0.003 χ^2/NDF: 11545694.5/92



Right In: 0.018+/-0.008 χ^2/NDF: 20.3/19

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 28.9/24

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

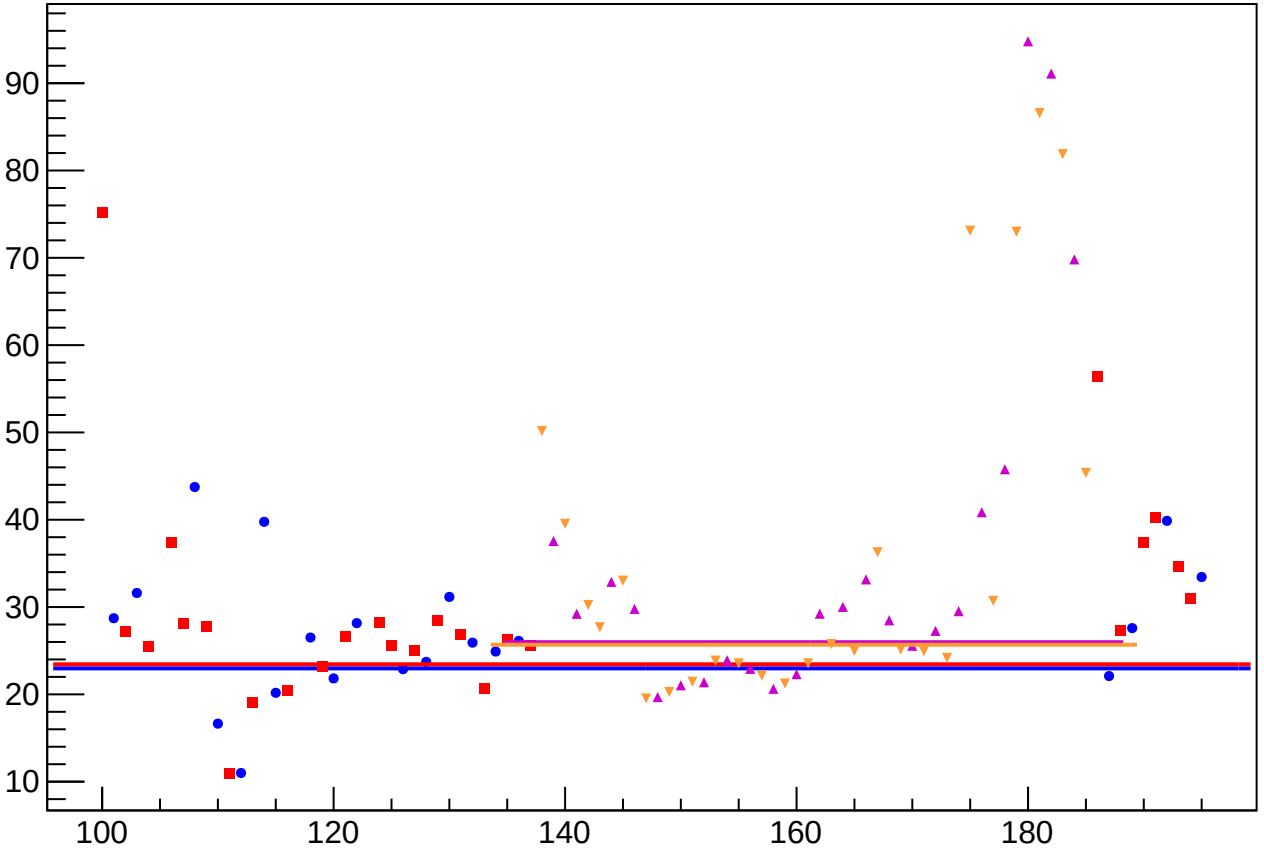
Right: 0.008+/-0.006 χ^2/NDF: 52.1/44

In: 0.011+/-0.005 χ^2/NDF:49.9/42

Out: -0.004+/-0.005 χ^2/NDF:51.8/49

All: 0.003+/-0.004 χ^2/NDF: 106.3/92

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.974+/-0.006 χ^2/NDF: 2133334.1/19

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 23.442+/-0.005 χ^2/NDF: 2155285.1/24

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

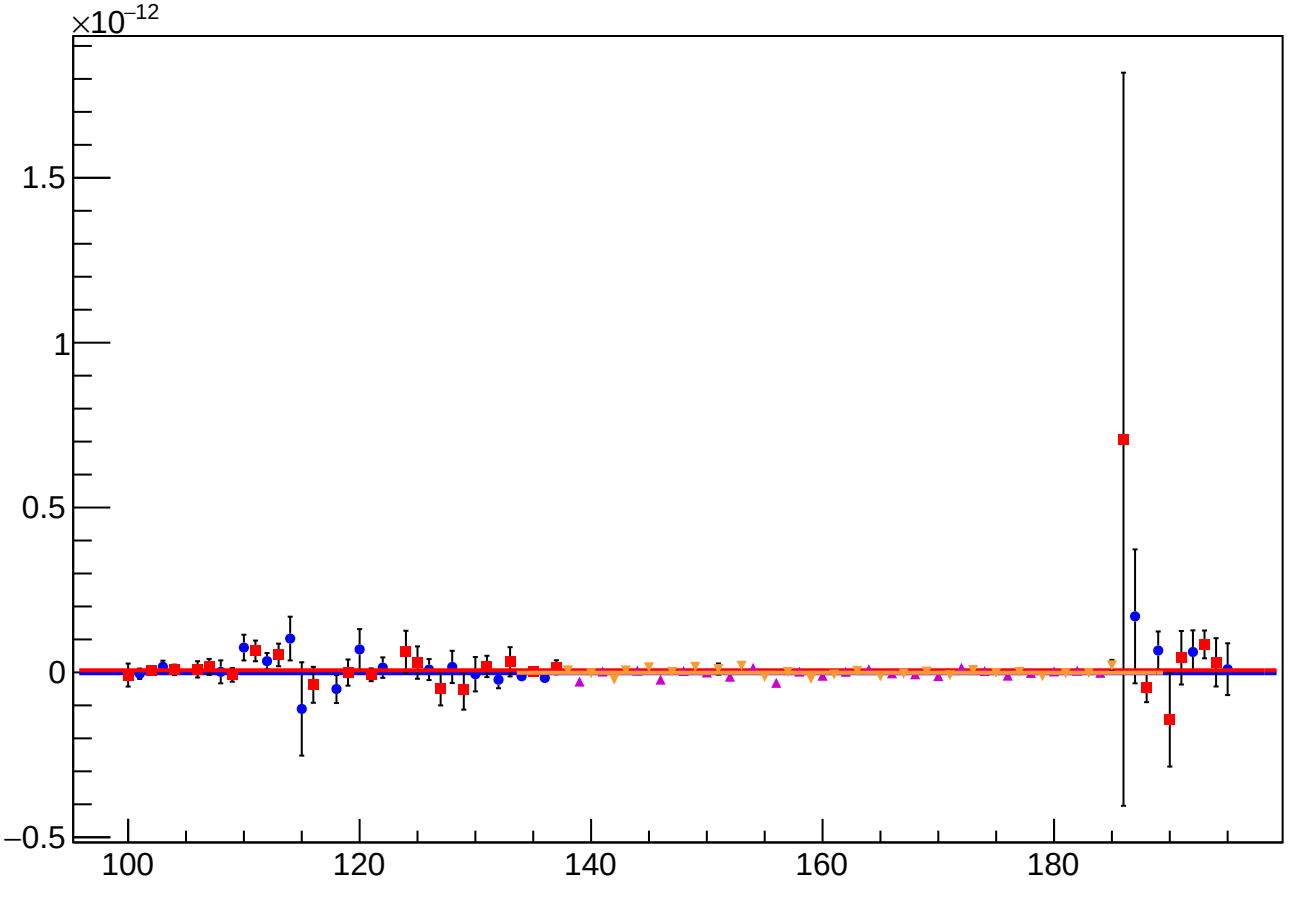
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 23.219+/-0.004 χ^2/NDF: 4292177.2/44

In: 24.756+/-0.004 χ^2/NDF:5417613.5/42

Out: 24.762+/-0.003 χ^2/NDF:6128079.7/49

All: 24.759+/-0.003 χ^2/NDF: 11545694.5/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/24

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

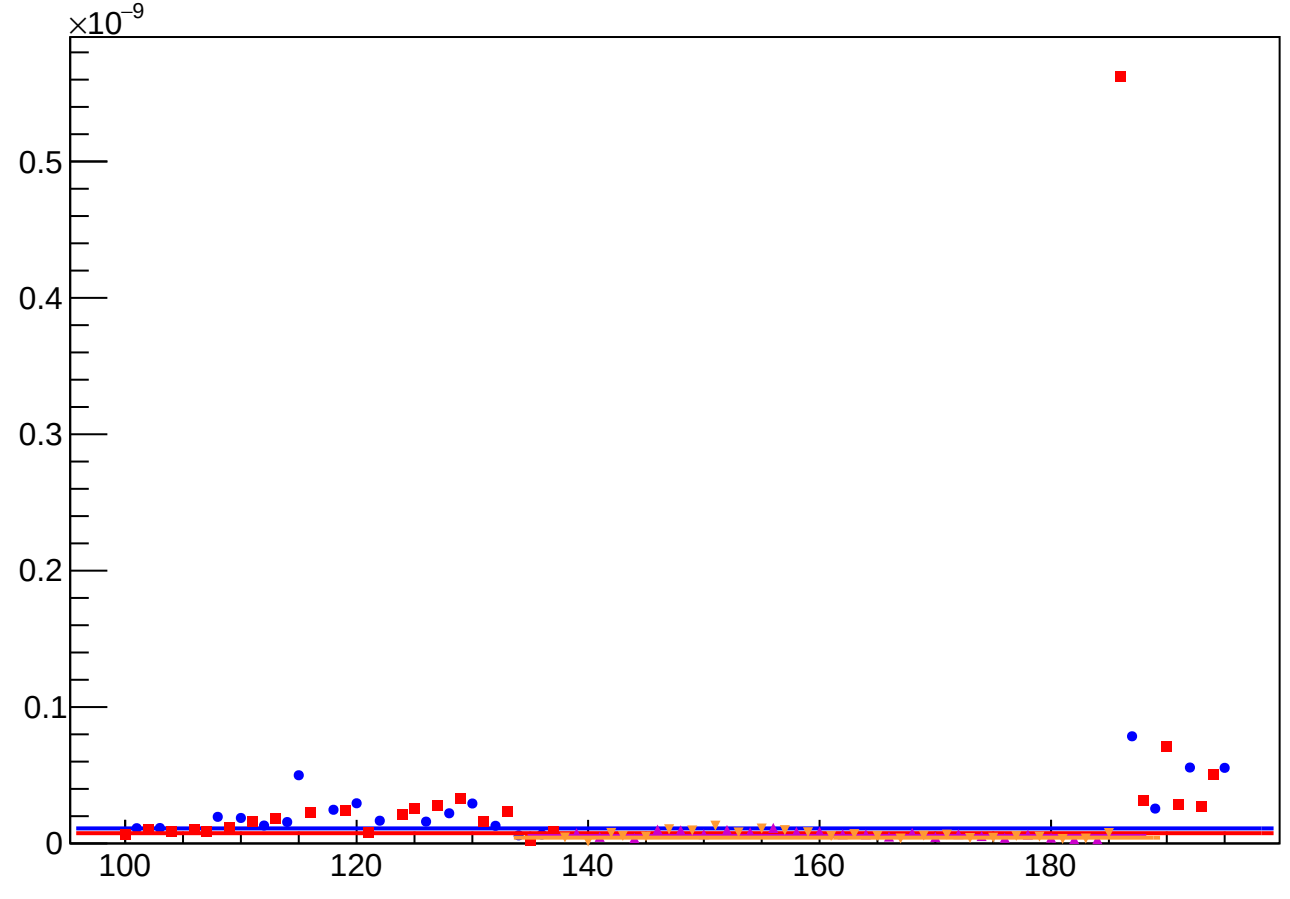
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 40.0/44

In: -0.000+/-0.000 χ^2/NDF:50.2/42

Out: -0.000+/-0.000 χ^2/NDF:49.5/49

All: -0.000+/-0.000 χ^2/NDF: 99.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 3897827.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6796541.6/24

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

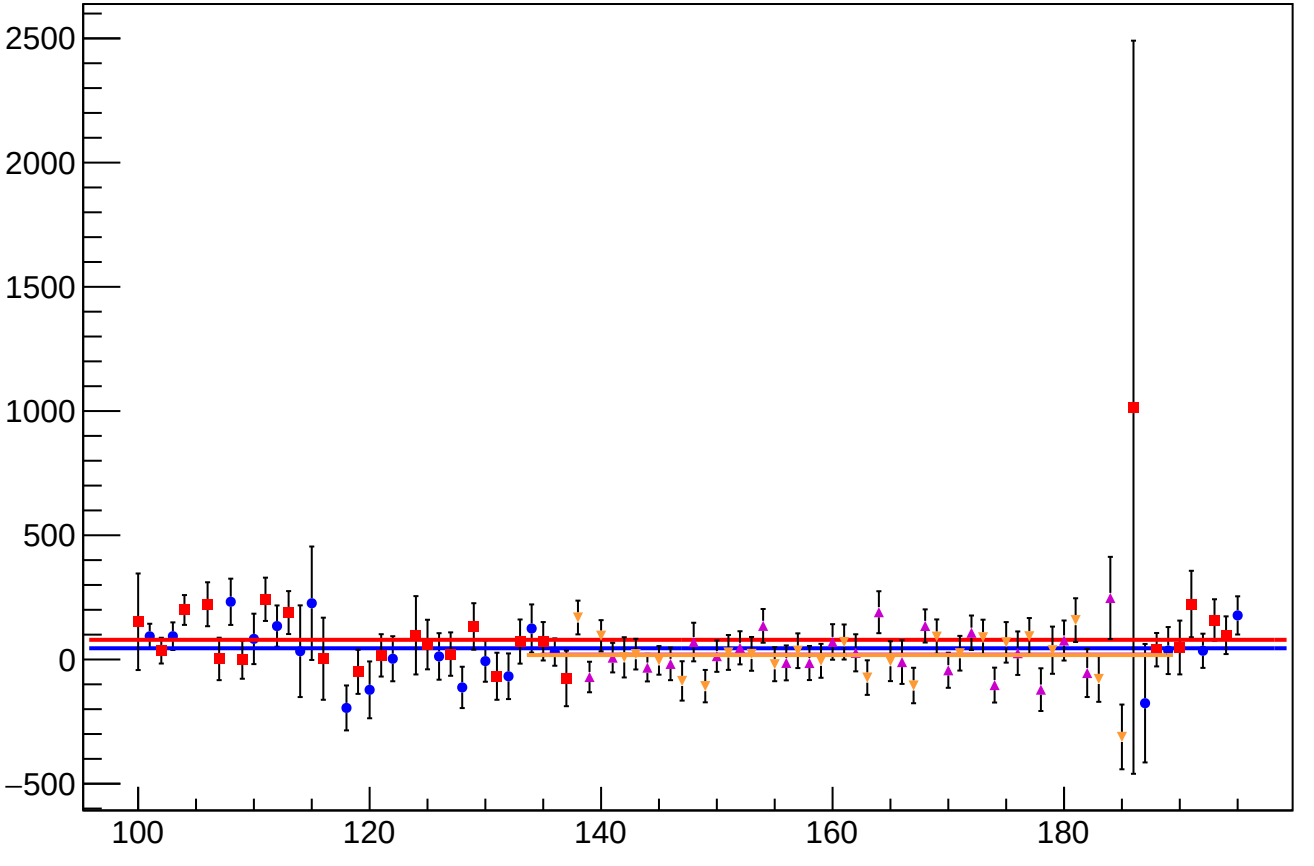
Right: 0.000+/-0.000 χ^2/NDF: 11207066.3/44

In: 0.000+/-0.000 χ^2/NDF:8628813.6/42

Out: 0.000+/-0.000 χ^2/NDF:13254006.9/49

All: 0.000+/-0.000 χ^2/NDF: 22749002.8/92

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 45.161+/-18.540 χ^2/NDF: 27.3/19

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 79.171+/-17.596 χ^2/NDF: 25.5/24

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

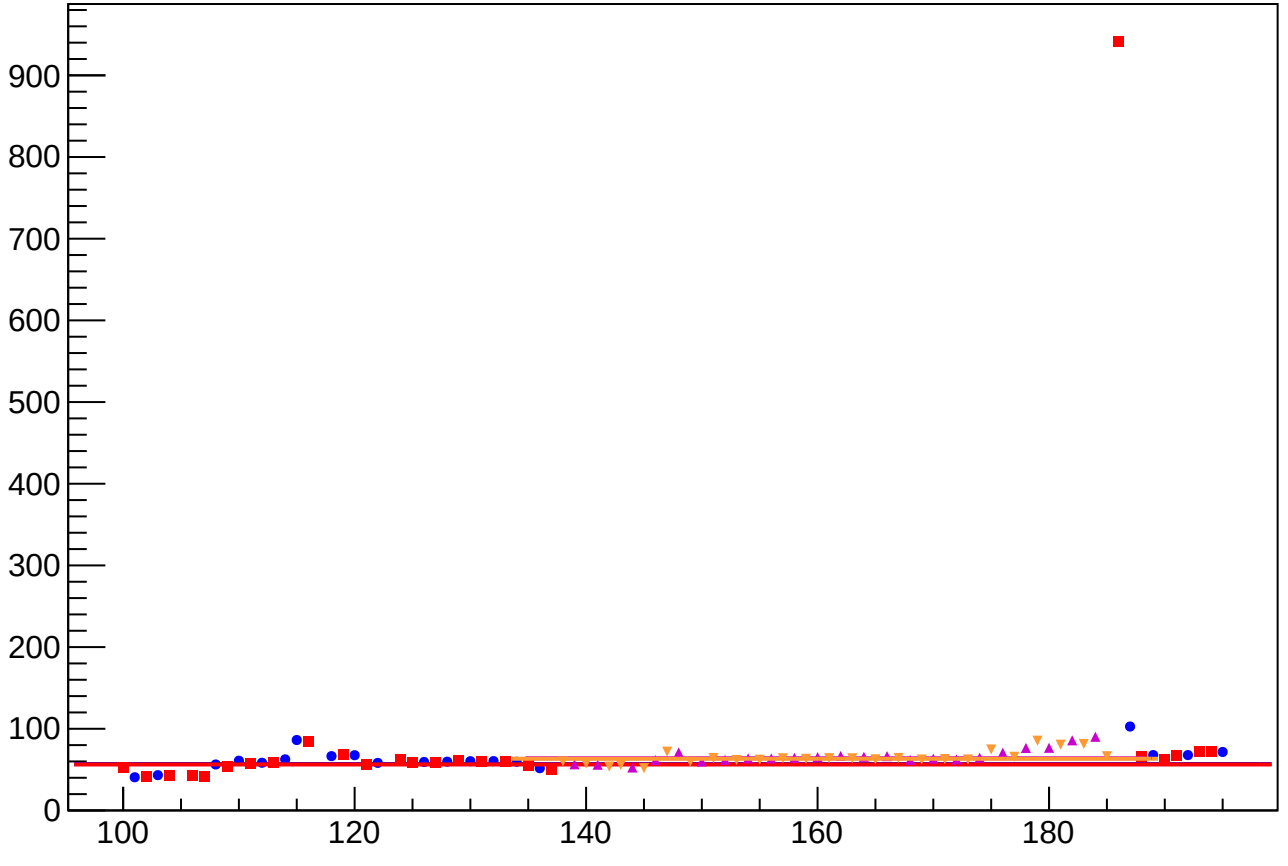
Right: 63.054+/-12.763 χ^2/NDF: 54.5/44

In: 29.771+/-11.680 χ^2/NDF:54.6/42

Out: 42.610+/-11.188 χ^2/NDF:64.3/49

All: 36.467+/-8.079 χ^2/NDF: 119.5/92

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 56.776+/-0.013 χ^2/NDF: 659780.4/19

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.326+/-0.012 χ^2/NDF: 1432409.9/24

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

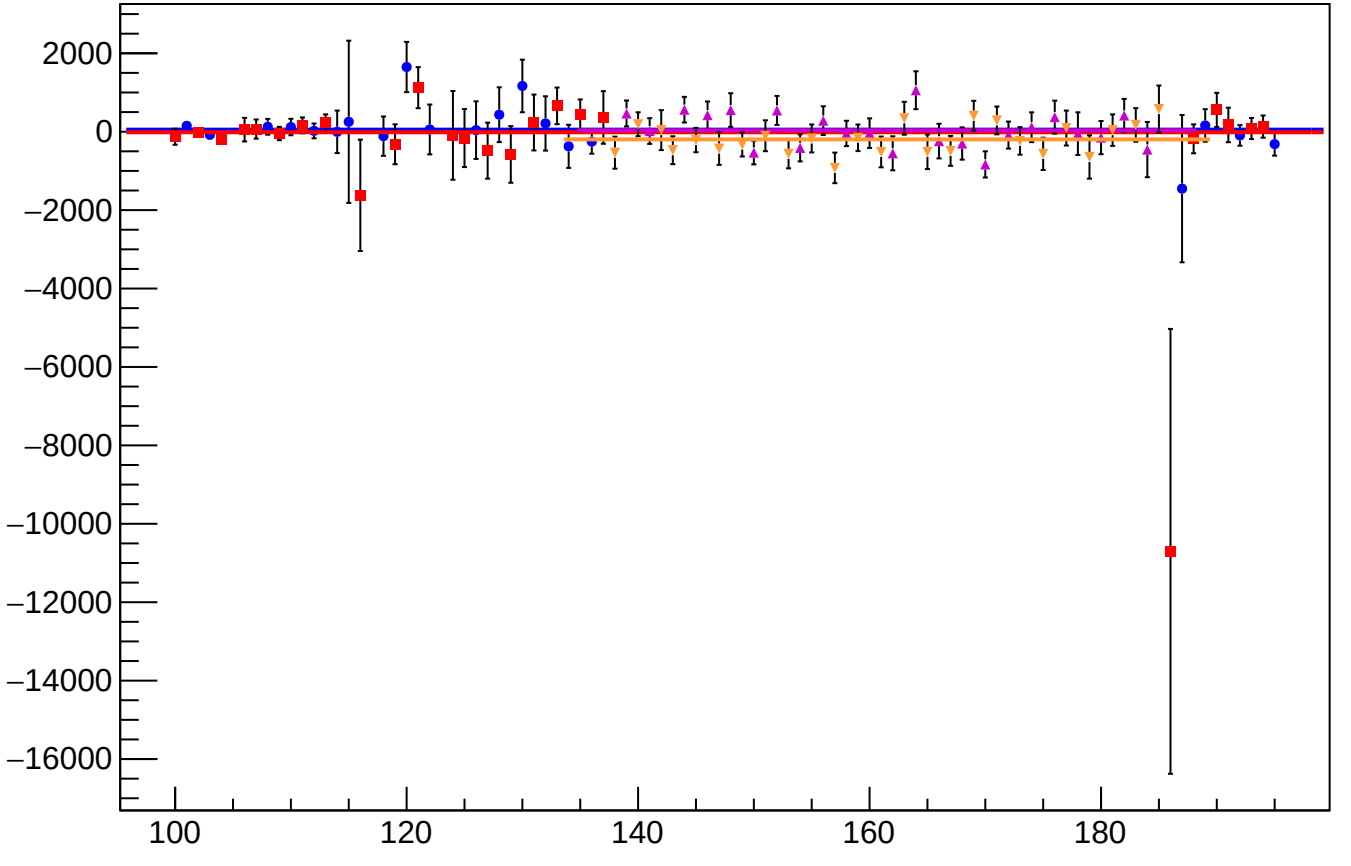
Right: 56.539+/-0.009 χ^2/NDF: 2092811.1/44

In: 61.084+/-0.008 χ^2/NDF:1284088.0/42

Out: 60.488+/-0.008 χ^2/NDF:2117674.4/49

All: 60.773+/-0.006 χ^2/NDF: 3404473.9/92

asym_sam_15_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 52.441+/-44.942 χ^2/NDF: 18.4/19

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -13.879+/-47.701 χ^2/NDF: 24.1/24

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

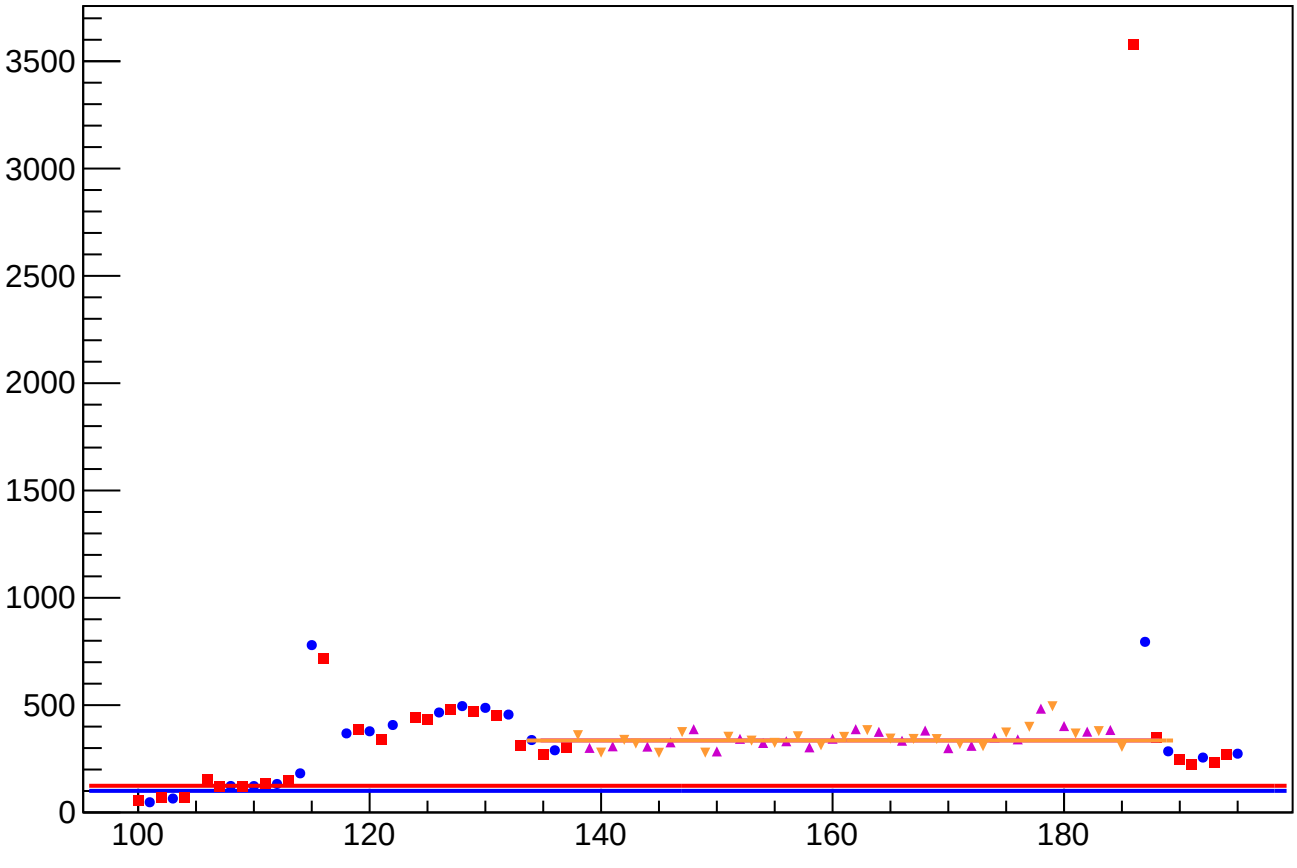
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 21.254+/-32.710 χ^2/NDF: 43.5/44

In: 48.539+/-39.088 χ^2/NDF:49.5/42

Out: -64.289+/-40.563 χ^2/NDF:48.7/49

All: -5.787+/-28.147 χ^2/NDF: 102.3/92



Right In: 100.598+/-0.032 χ^2/NDF: 8842396.4/19

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 124.278+/-0.034 χ^2/NDF: 8182253.1/24

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

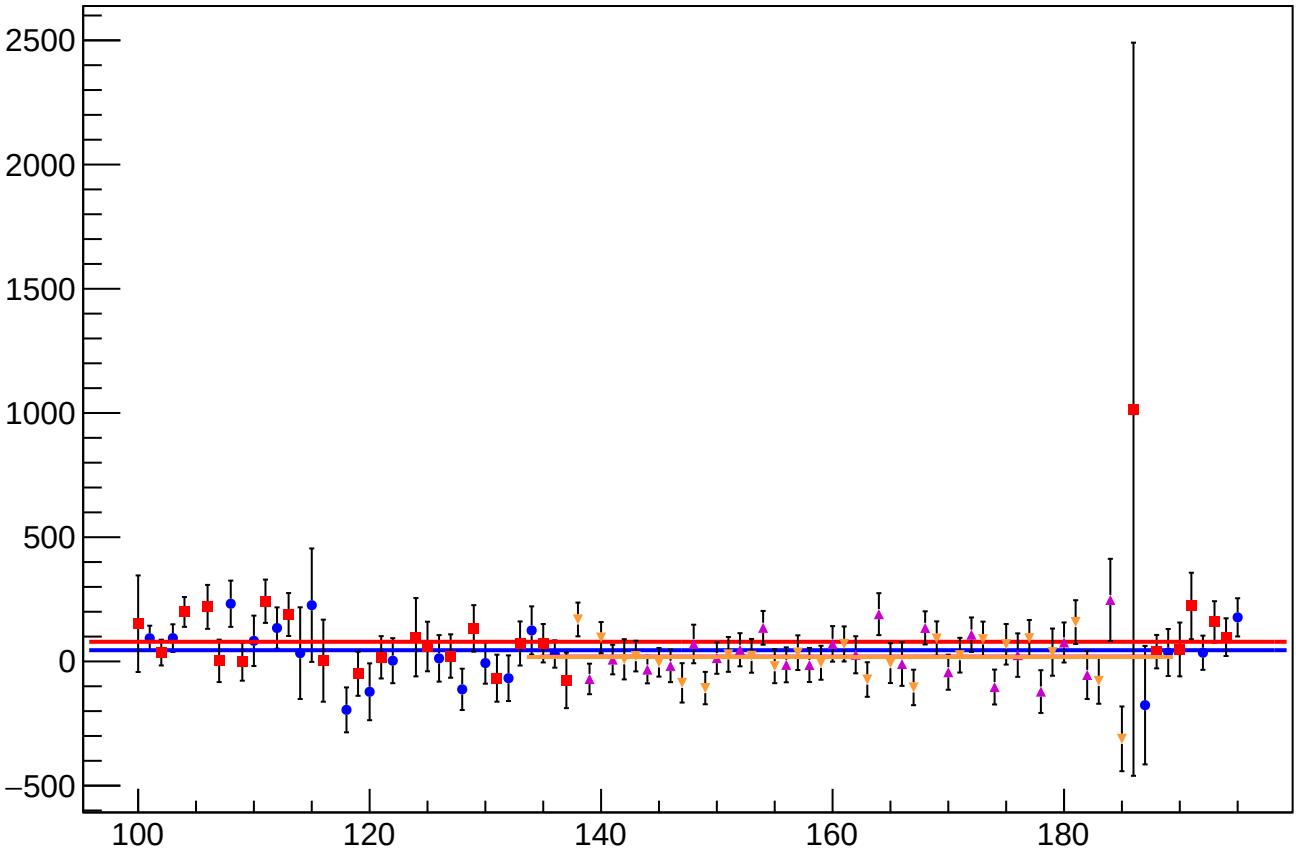
Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

Right: 111.734+/-0.023 χ^2/NDF: 17285759.4/44

In: 157.808+/-0.028 χ^2/NDF:22646314.6/42

Out: 182.697+/-0.029 χ^2/NDF:19580403.1/49

All: 169.792+/-0.020 χ^2/NDF: 42617144.0/92



Right In: 45.172+/-18.540 χ^2/NDF: 27.3/19

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 79.064+/-17.597 χ^2/NDF: 25.4/24

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

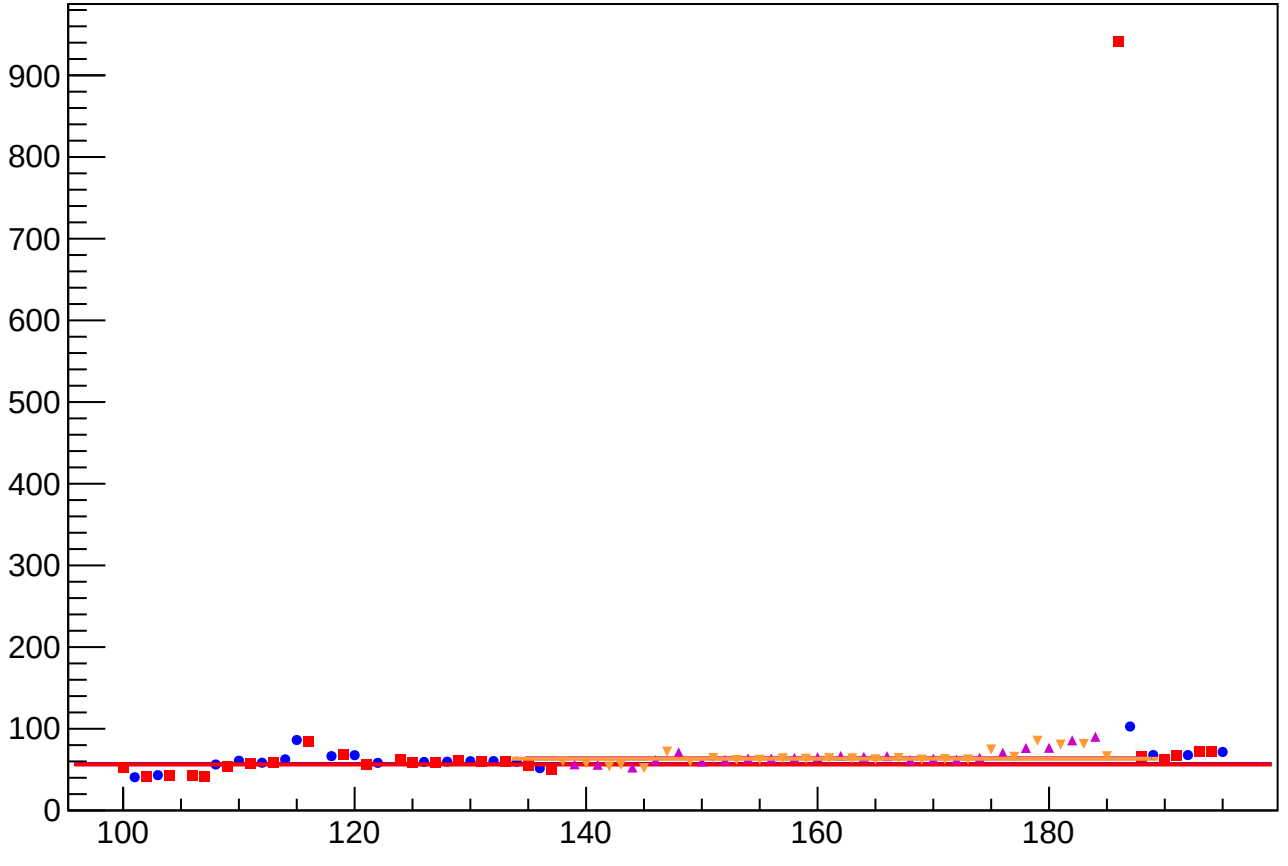
Right: 63.002+/-12.763 χ^2/NDF: 54.4/44

In: 29.775+/-11.680 χ^2/NDF:54.6/42

Out: 42.568+/-11.188 χ^2/NDF:64.1/49

All: 36.446+/-8.080 χ^2/NDF: 119.4/92

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 56.776+/-0.013 χ^2/NDF: 659779.6/19

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.324+/-0.012 χ^2/NDF: 1432787.7/24

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

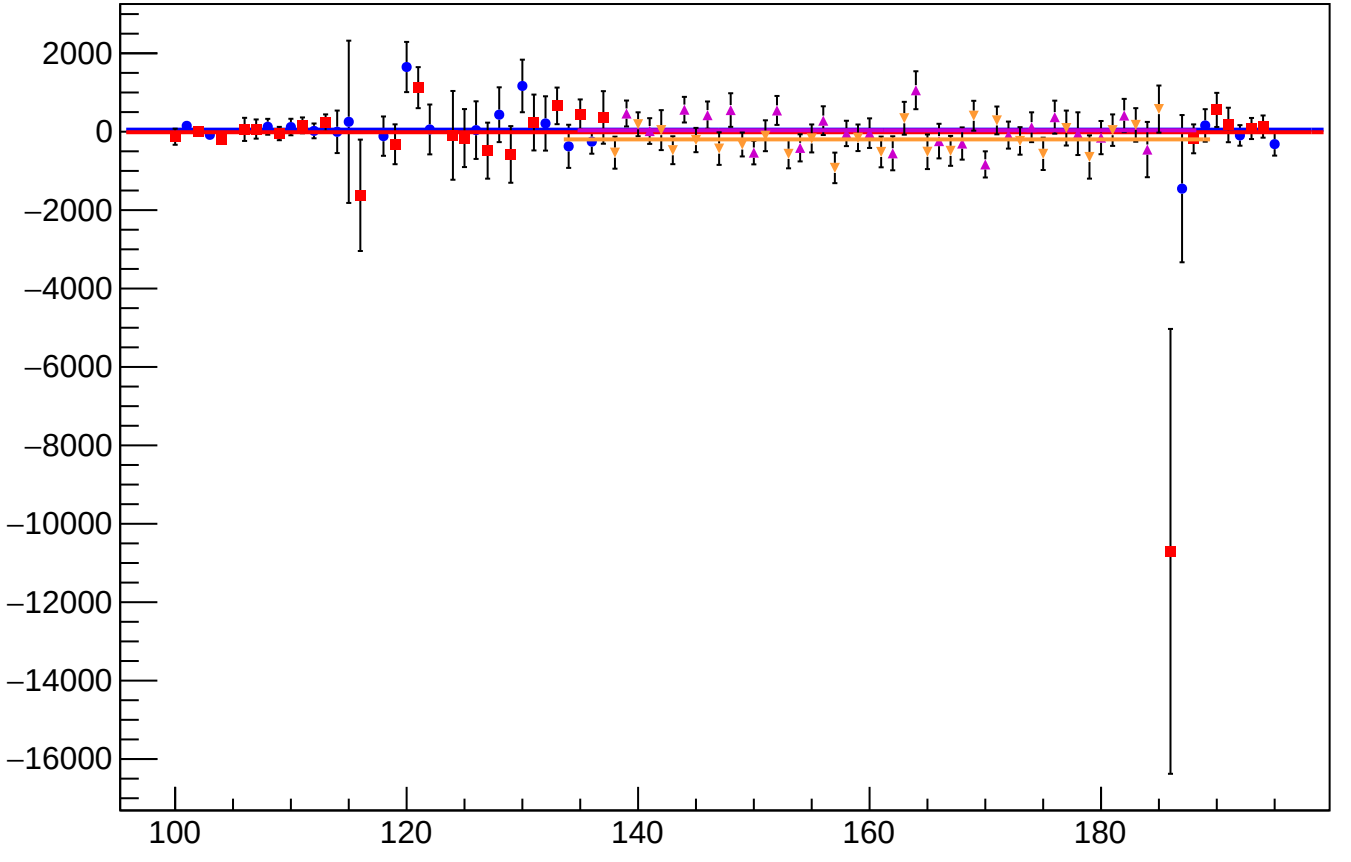
Right: 56.539+/-0.009 χ^2/NDF: 2093191.8/44

In: 61.084+/-0.008 χ^2/NDF:1284086.9/42

Out: 60.488+/-0.008 χ^2/NDF:2118114.5/49

All: 60.773+/-0.006 χ^2/NDF: 3404916.2/92

asym_sam_15_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 52.445+/-44.941 χ^2/NDF: 18.4/19

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -13.502+/-47.664 χ^2/NDF: 24.1/24

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

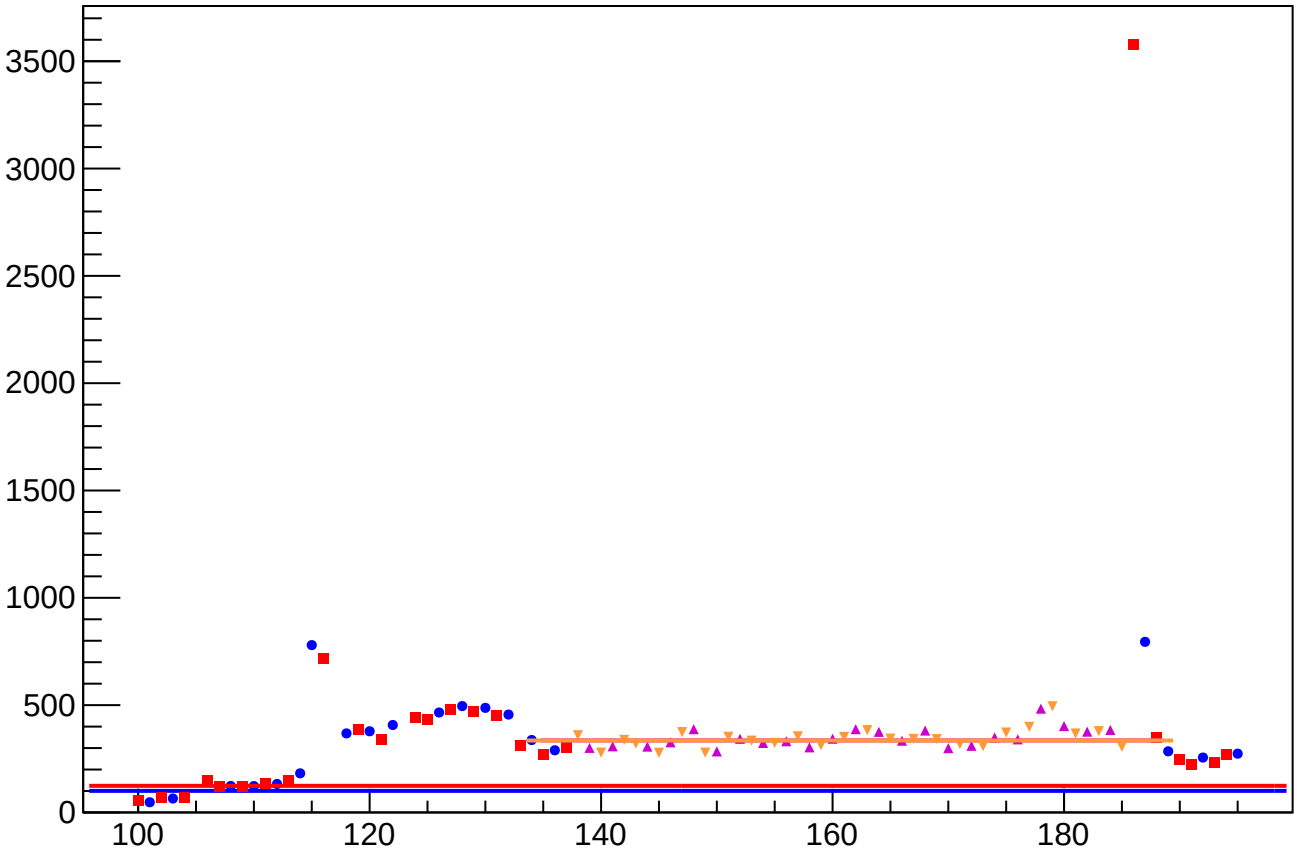
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 21.409+/-32.698 χ^2/NDF: 43.5/44

In: 48.541+/-39.088 χ^2/NDF:49.5/42

Out: -63.959+/-40.541 χ^2/NDF:48.8/49

All: -5.657+/-28.139 χ^2/NDF: 102.3/92



Right In: 100.595+/-0.032 χ^2/NDF: 8842540.9/19

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 124.093+/-0.034 χ^2/NDF: 8179100.6/24

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

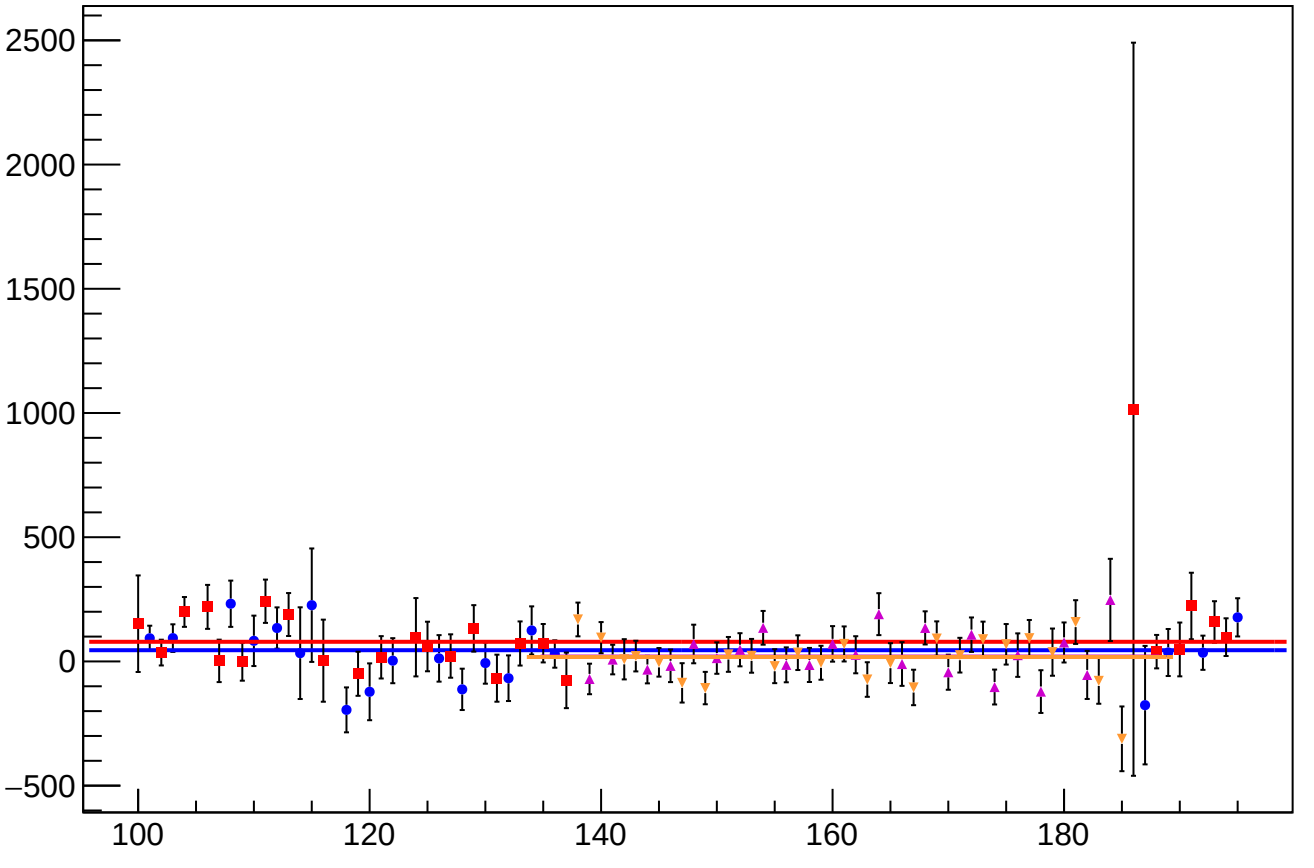
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 111.654+/-0.023 χ^2/NDF: 17278964.0/44

In: 157.804+/-0.028 χ^2/NDF:22646911.4/42

Out: 182.499+/-0.029 χ^2/NDF:19600861.6/49

All: 169.701+/-0.020 χ^2/NDF: 42632346.6/92



Right In: 45.172+/-18.540 χ^2/NDF: 27.3/19

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 79.064+/-17.597 χ^2/NDF: 25.4/24

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

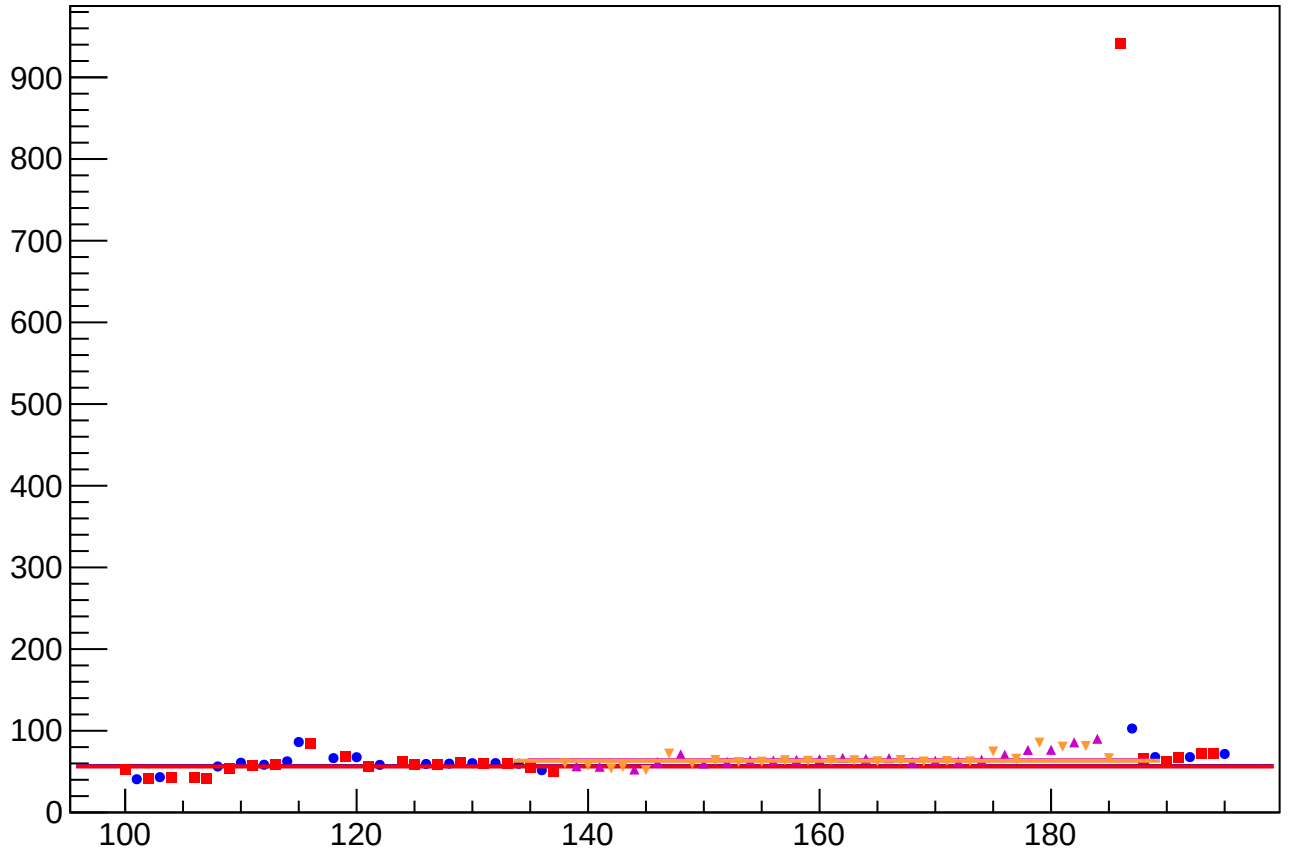
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 63.002+/-12.763 χ^2/NDF: 54.4/44

In: 29.775+/-11.680 χ^2/NDF:54.6/42

Out: 42.568+/-11.188 χ^2/NDF:64.1/49

All: 36.446+/-8.080 χ^2/NDF: 119.4/92



Right In: 56.776+/-0.013 χ^2/NDF: 659779.6/19

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.324+/-0.012 χ^2/NDF: 1432787.7/24

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

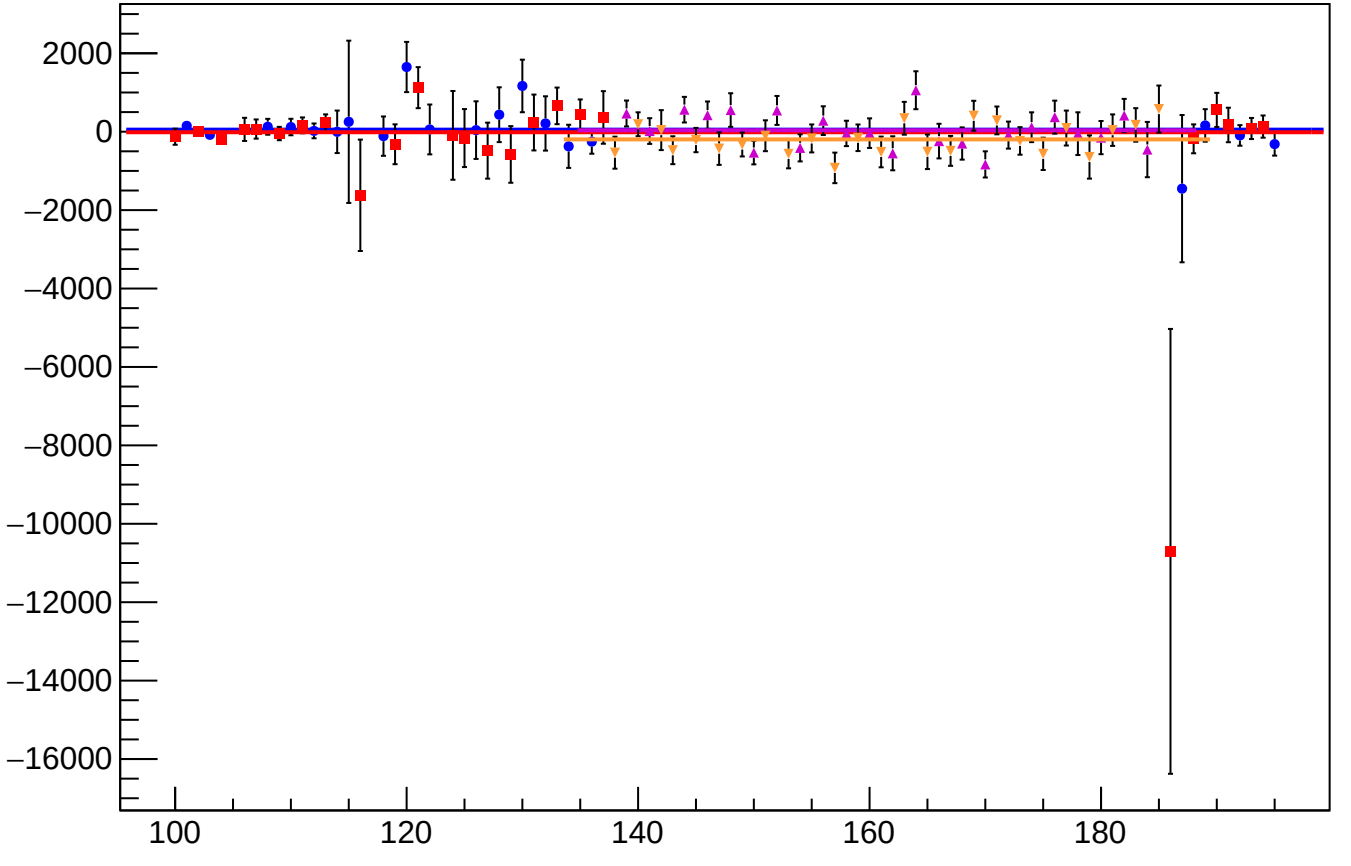
Right: 56.539+/-0.009 χ^2/NDF: 2093191.8/44

In: 61.084+/-0.008 χ^2/NDF:1284086.9/42

Out: 60.488+/-0.008 χ^2/NDF:2118114.5/49

All: 60.773+/-0.006 χ^2/NDF: 3404916.2/92

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 52.445+/-44.941 χ^2/NDF: 18.4/19

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -13.502+/-47.664 χ^2/NDF: 24.1/24

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

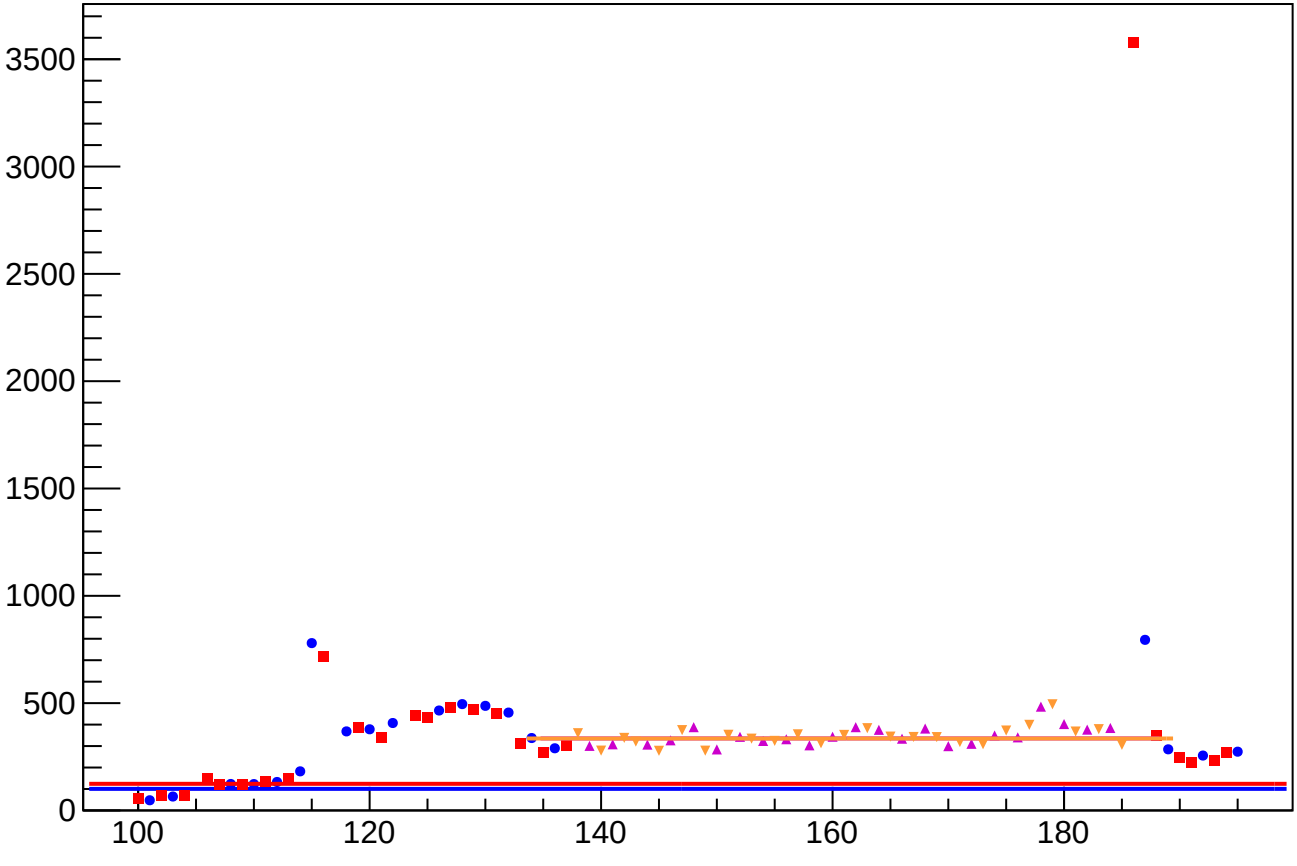
Right: 21.409+/-32.698 χ^2/NDF: 43.5/44

In: 48.541+/-39.088 χ^2/NDF:49.5/42

Out: -63.959+/-40.541 χ^2/NDF:48.8/49

All: -5.657+/-28.139 χ^2/NDF: 102.3/92

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 100.595+/-0.032 χ^2/NDF: 8842540.9/19

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 124.093+/-0.034 χ^2/NDF: 8179100.6/24

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

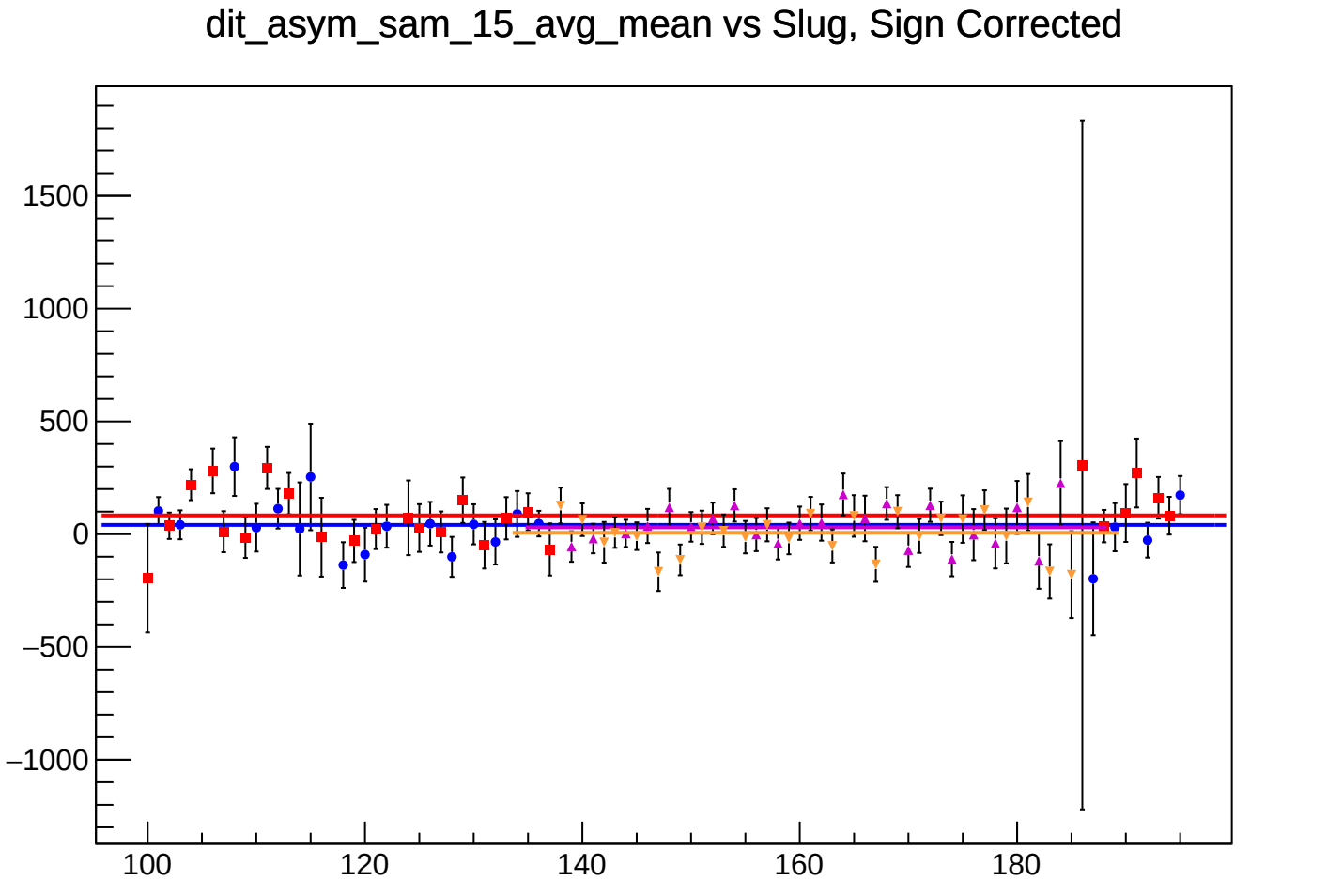
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 111.654+/-0.023 χ^2/NDF: 17278964.0/44

In: 157.804+/-0.028 χ^2/NDF:22646911.4/42

Out: 182.499+/-0.029 χ^2/NDF:19600861.6/49

All: 169.701+/-0.020 χ^2/NDF: 42632346.6/92



Right In: 41.175+/-20.487 χ^2/NDF: 18.3/19

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 83.337+/-19.222 χ^2/NDF: 27.5/24

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

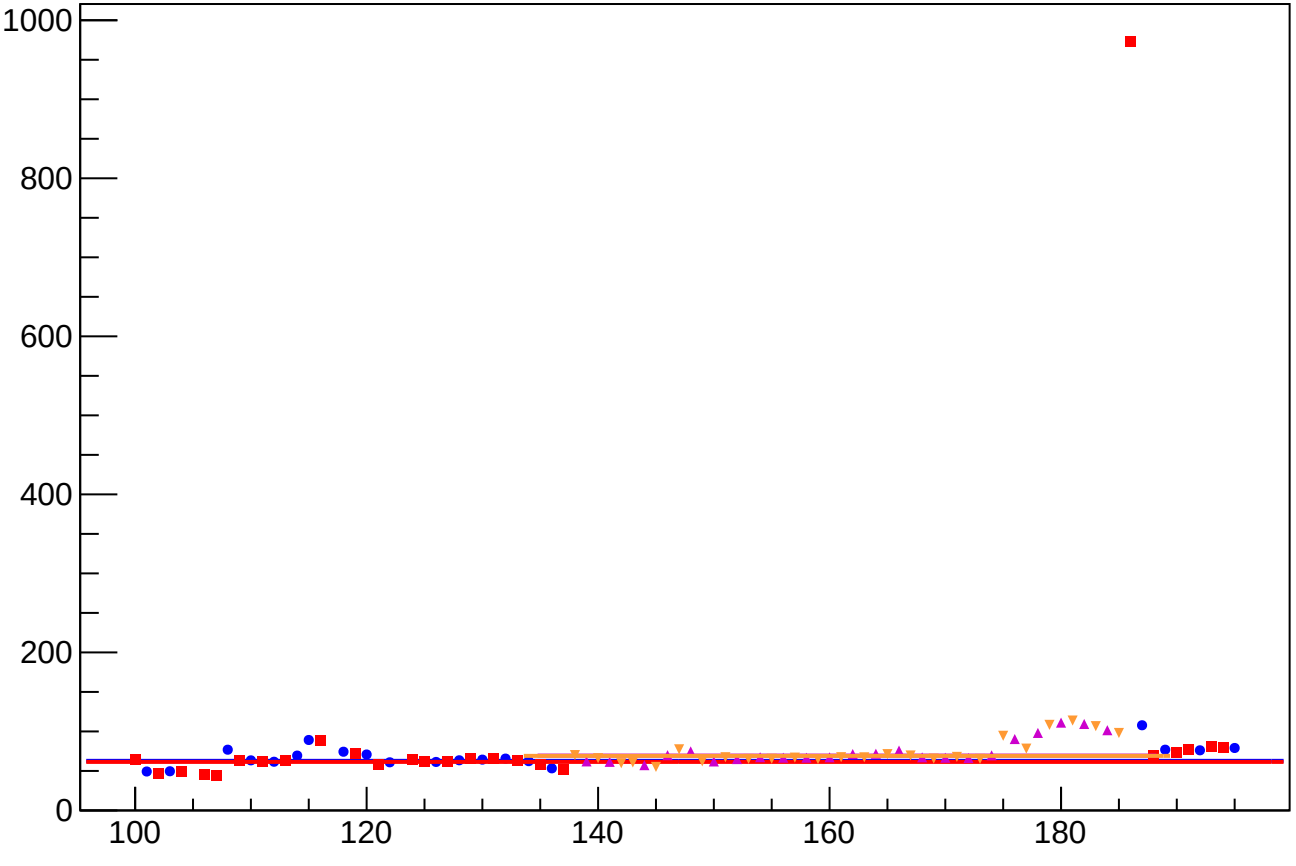
Right: 63.598+/-14.018 χ^2/NDF: 48.0/44

In: 34.799+/-12.852 χ^2/NDF:40.9/42

Out: 37.878+/-12.287 χ^2/NDF:62.1/49

All: 36.408+/-8.881 χ^2/NDF: 103.0/92

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 62.779+/-0.014 χ^2/NDF: 558393.8/19

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 61.447+/-0.014 χ^2/NDF: 1376364.6/24

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

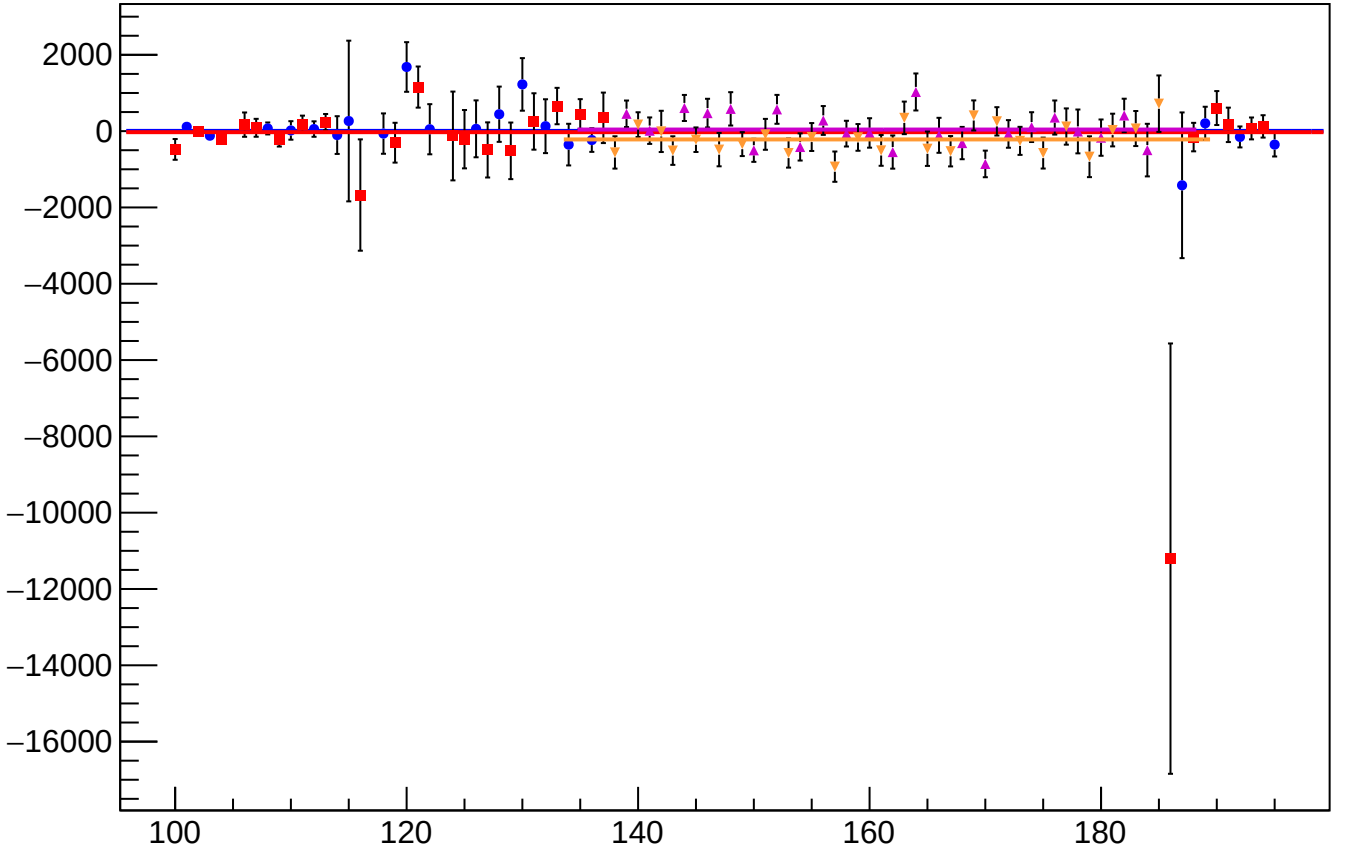
Right: 62.070+/-0.010 χ^2/NDF: 1939257.4/44

In: 66.816+/-0.009 χ^2/NDF:1611083.0/42

Out: 65.960+/-0.009 χ^2/NDF:2636829.6/49

All: 66.369+/-0.006 χ^2/NDF: 4252551.6/92

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 6.078+/-51.475 χ^2/NDF: 17.1/19

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -26.846+/-50.370 χ^2/NDF: 28.2/24

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

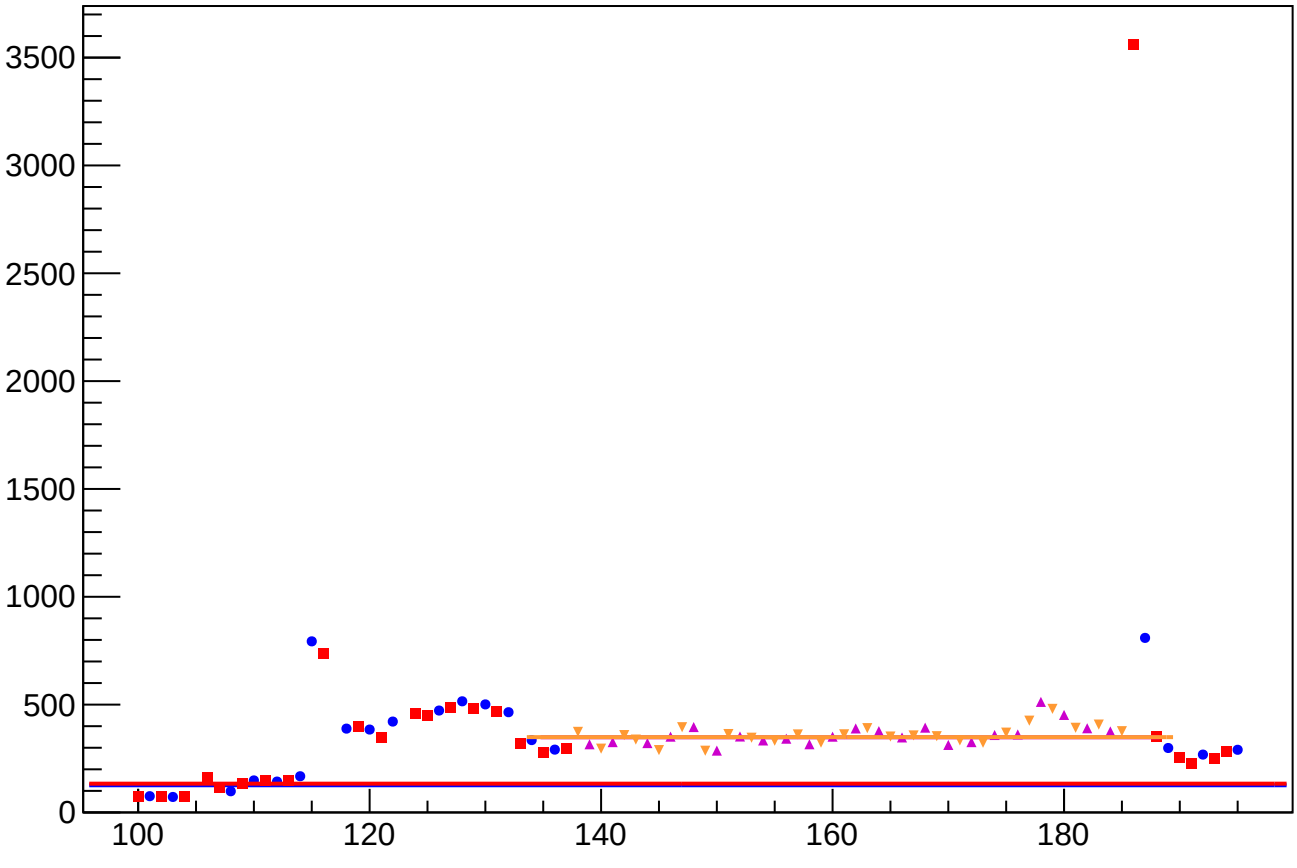
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -10.741+/-36.001 χ^2/NDF: 45.6/44

In: 16.049+/-43.635 χ^2/NDF:47.2/42

Out: -80.798+/-42.645 χ^2/NDF:51.6/49

All: -33.486+/-30.498 χ^2/NDF: 101.4/92



Right In: 126.119+/-0.036 χ^2/NDF: 7392202.3/19

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 133.455+/-0.036 χ^2/NDF: 7848884.4/24

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

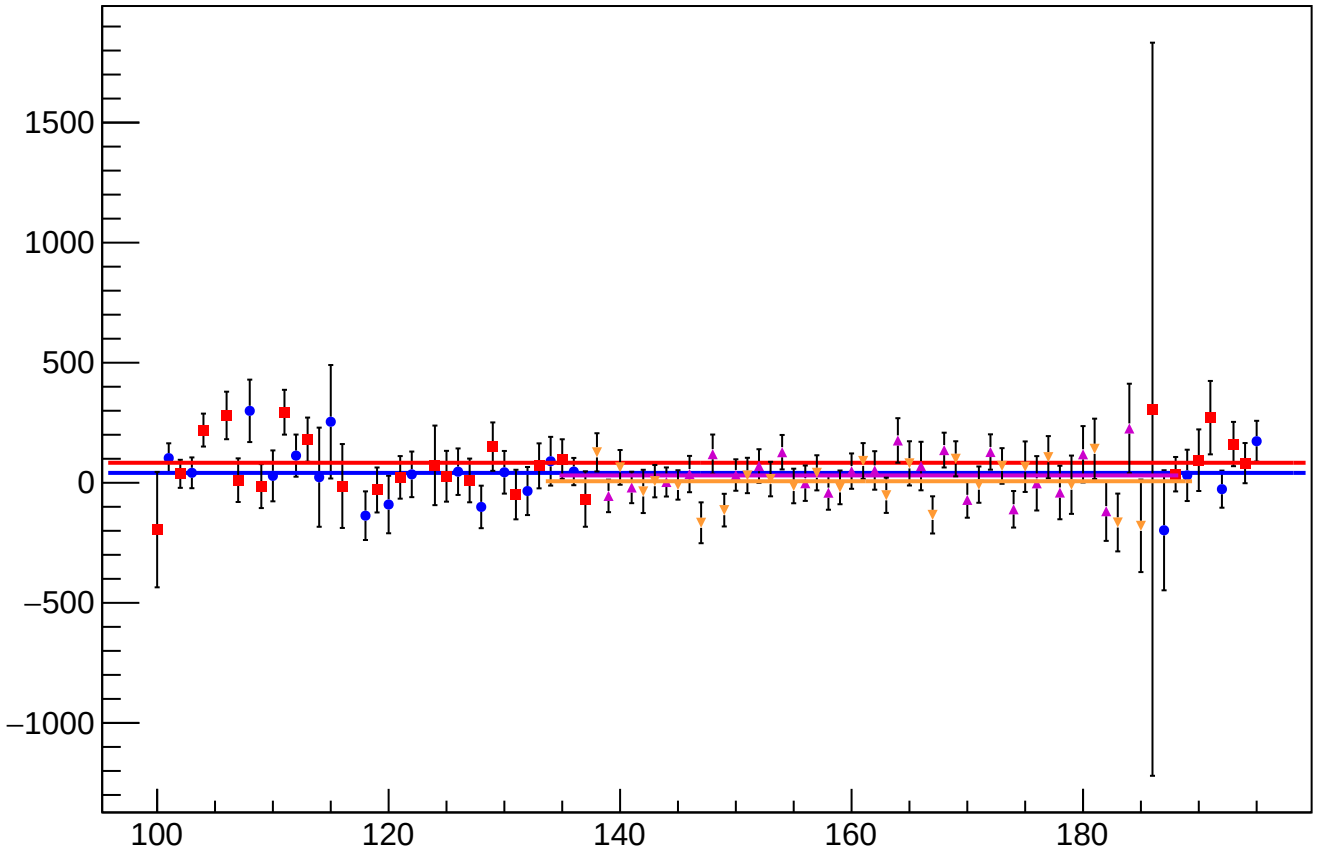
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 129.866+/-0.025 χ^2/NDF: 15261839.8/44

In: 188.715+/-0.031 χ^2/NDF:18428057.3/42

Out: 194.549+/-0.030 χ^2/NDF:18762251.3/49

All: 191.699+/-0.022 χ^2/NDF: 37208595.7/92



Right In: 41.175+/-20.487 χ^2/NDF: 18.3/19

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 83.337+/-19.222 χ^2/NDF: 27.5/24

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

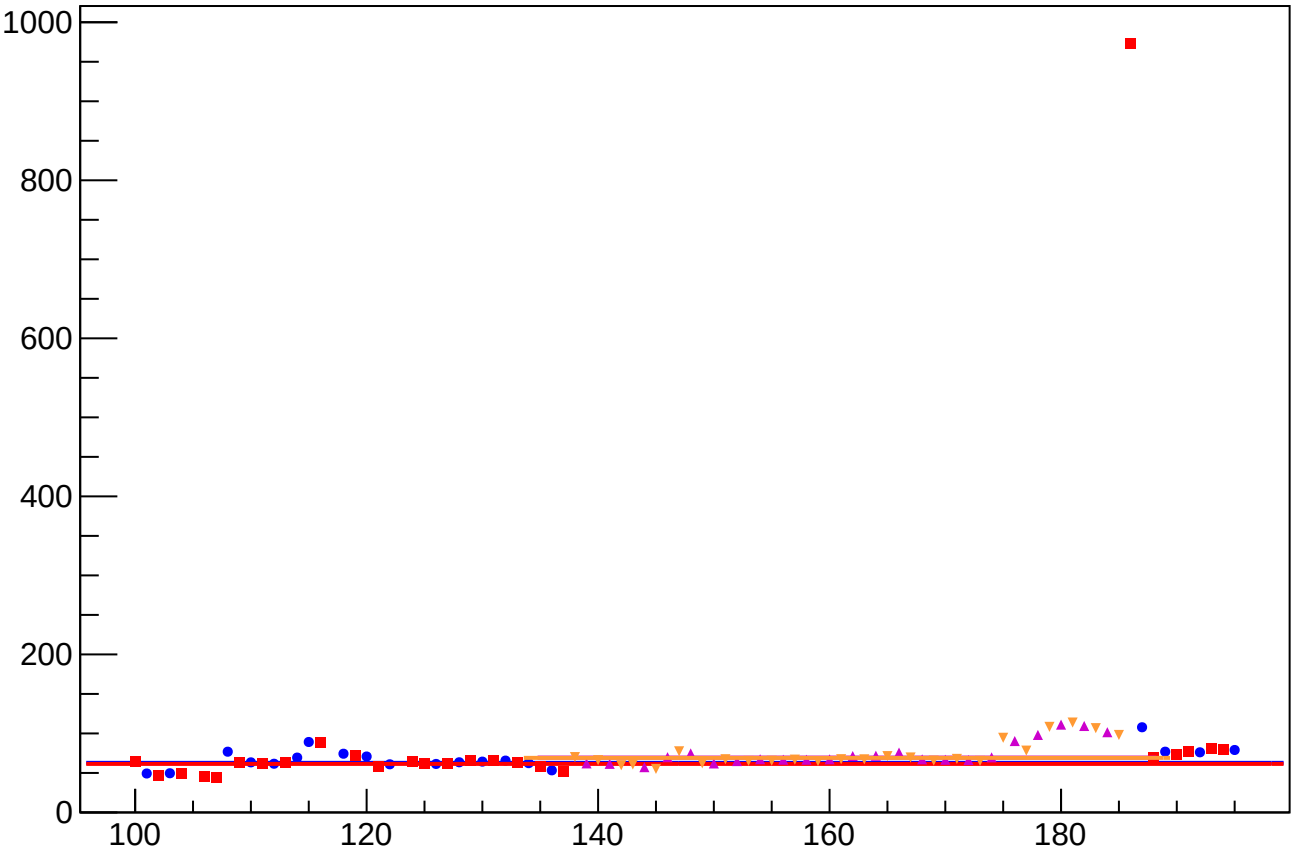
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 63.598+/-14.018 χ^2/NDF: 48.1/44

In: 34.799+/-12.852 χ^2/NDF:40.9/42

Out: 37.878+/-12.287 χ^2/NDF:62.1/49

All: 36.408+/-8.881 χ^2/NDF: 103.0/92



Right In: 62.779+/-0.014 χ^2/NDF: 558394.7/19

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 61.447+/-0.014 χ^2/NDF: 1376362.9/24

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

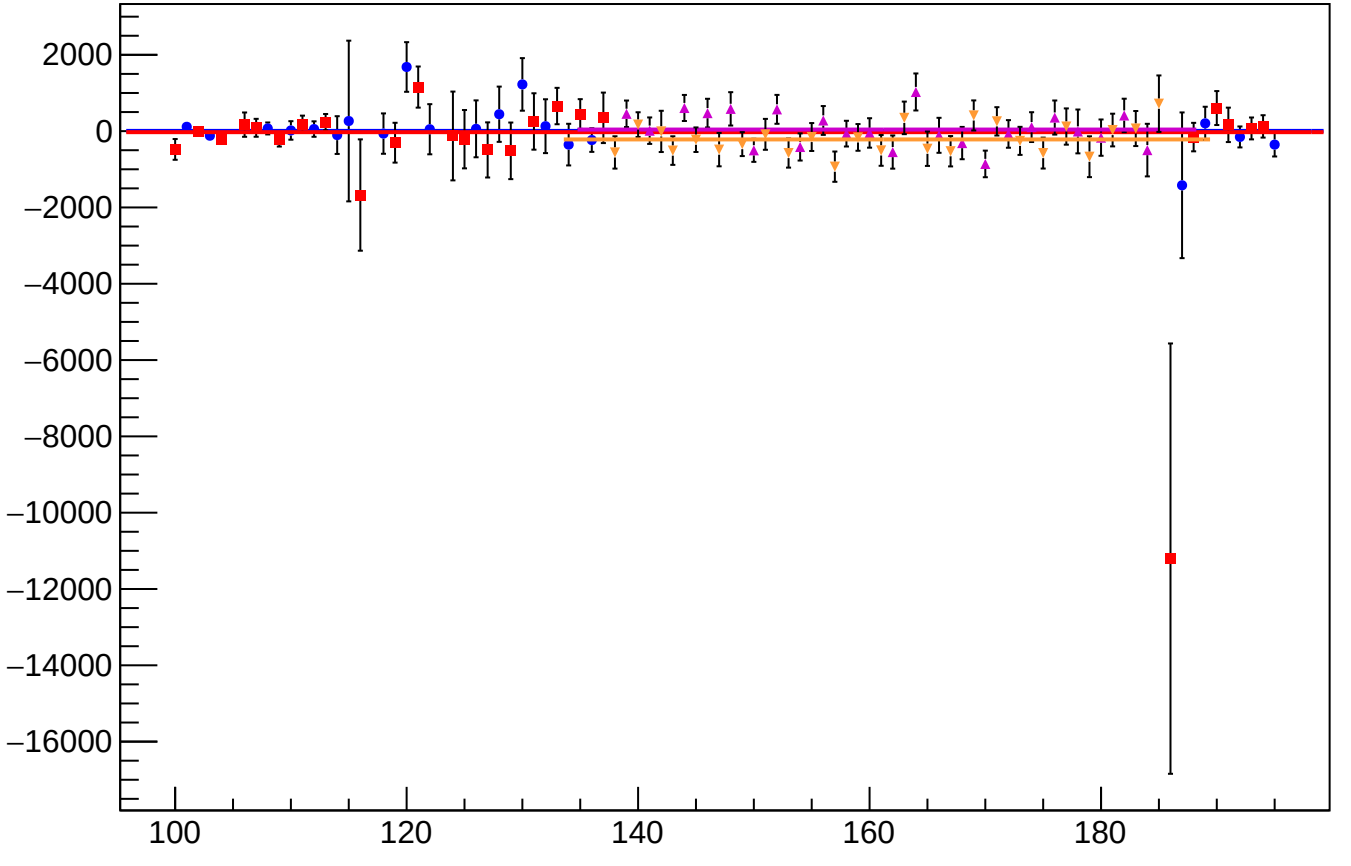
Right: 62.070+/-0.010 χ^2/NDF: 1939256.6/44

In: 66.816+/-0.009 χ^2/NDF:1611076.5/42

Out: 65.960+/-0.009 χ^2/NDF:2636817.7/49

All: 66.369+/-0.006 χ^2/NDF: 4252533.6/92

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 6.078+/-51.475 χ^2/NDF: 17.1/19

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -26.846+/-50.370 χ^2/NDF: 28.2/24

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

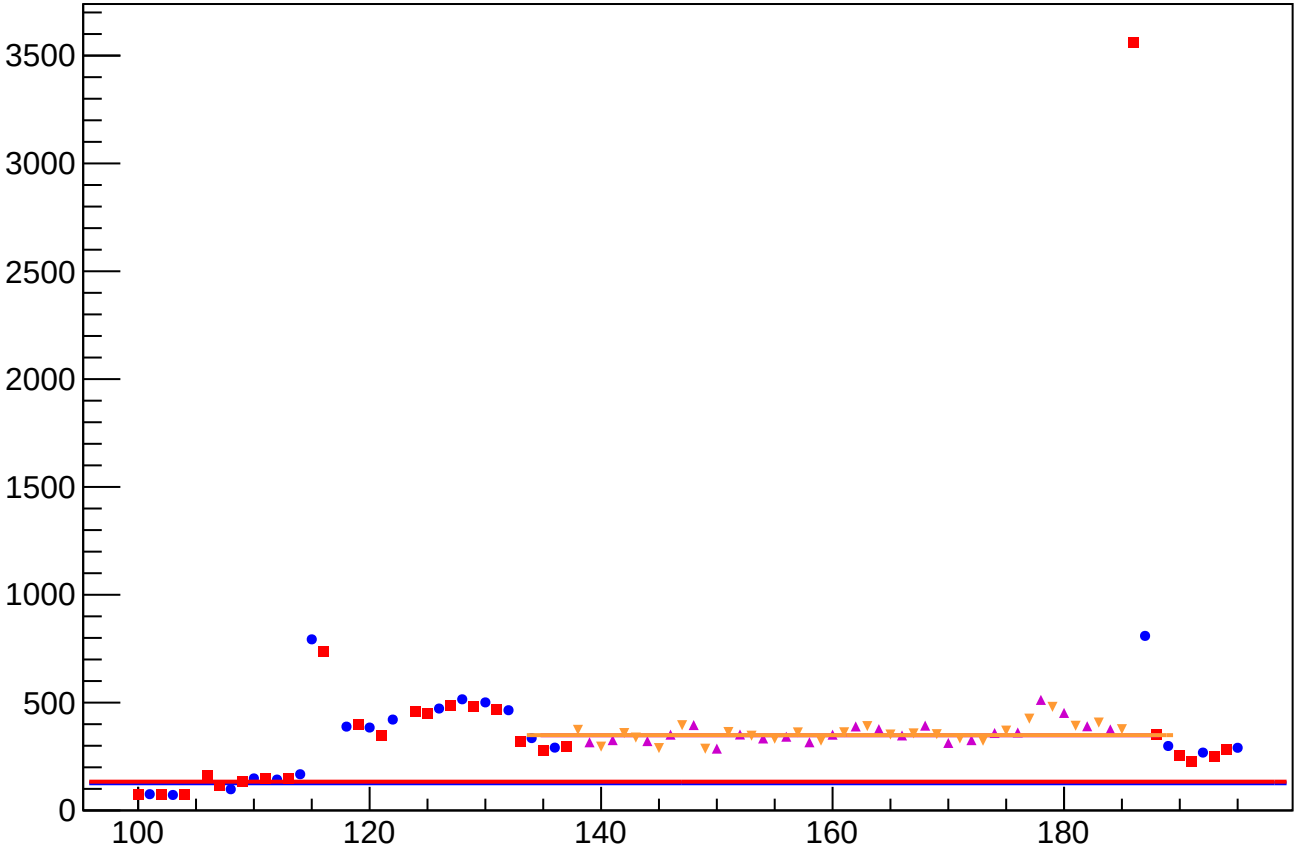
Right: -10.742+/-36.001 χ^2/NDF: 45.6/44

In: 16.049+/-43.635 χ^2/NDF:47.2/42

Out: -80.798+/-42.645 χ^2/NDF:51.6/49

All: -33.486+/-30.498 χ^2/NDF: 101.4/92

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 126.118+/-0.036 χ^2/NDF: 7392205.8/19

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 133.454+/-0.036 χ^2/NDF: 7848906.6/24

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

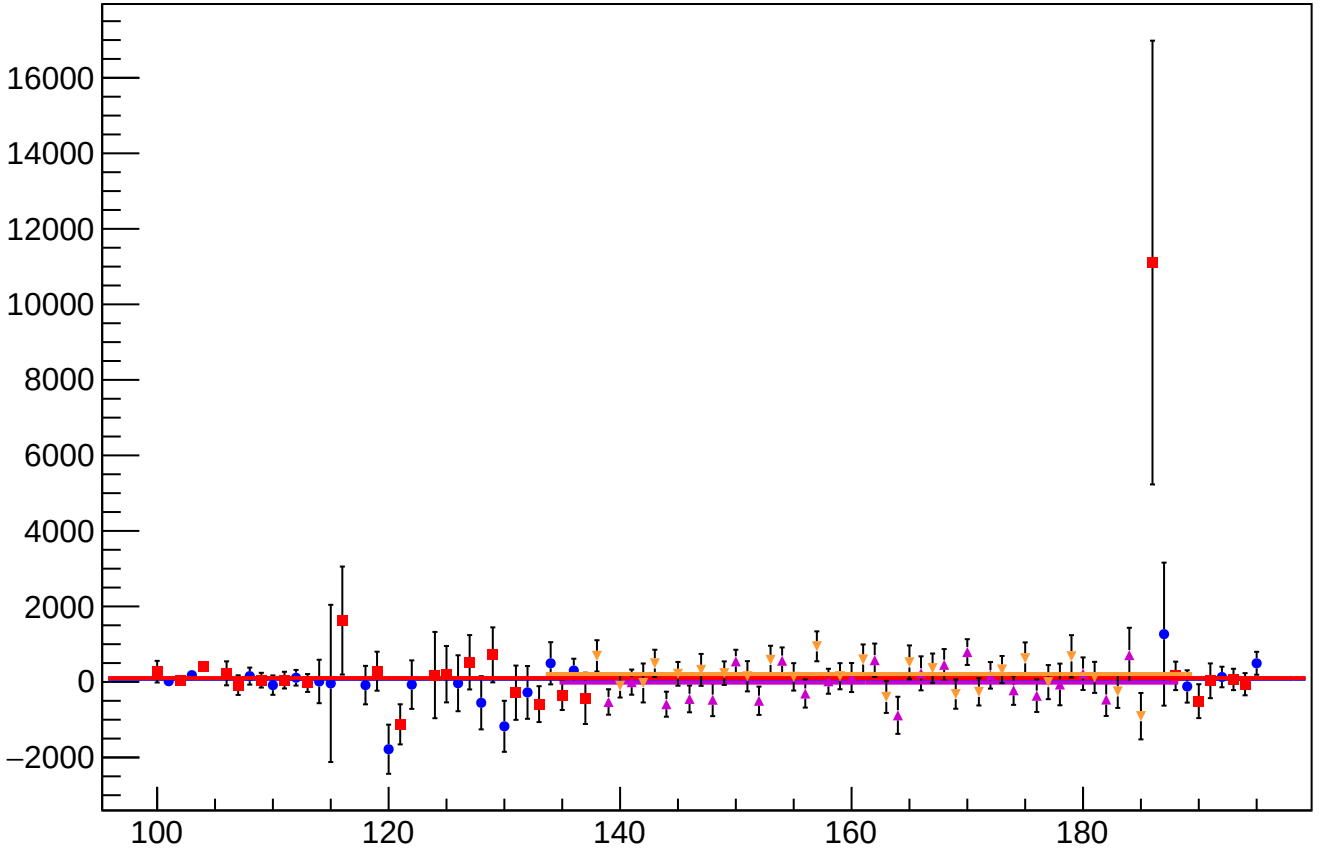
Right: 129.866+/-0.025 χ^2/NDF: 15261864.8/44

In: 188.715+/-0.031 χ^2/NDF:18428121.4/42

Out: 194.549+/-0.030 χ^2/NDF:18762347.0/49

All: 191.699+/-0.022 χ^2/NDF: 37208754.7/92

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 82.791+/-56.283 χ^2/NDF: 18.3/19

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 102.834+/-54.335 χ^2/NDF: 27.0/24

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

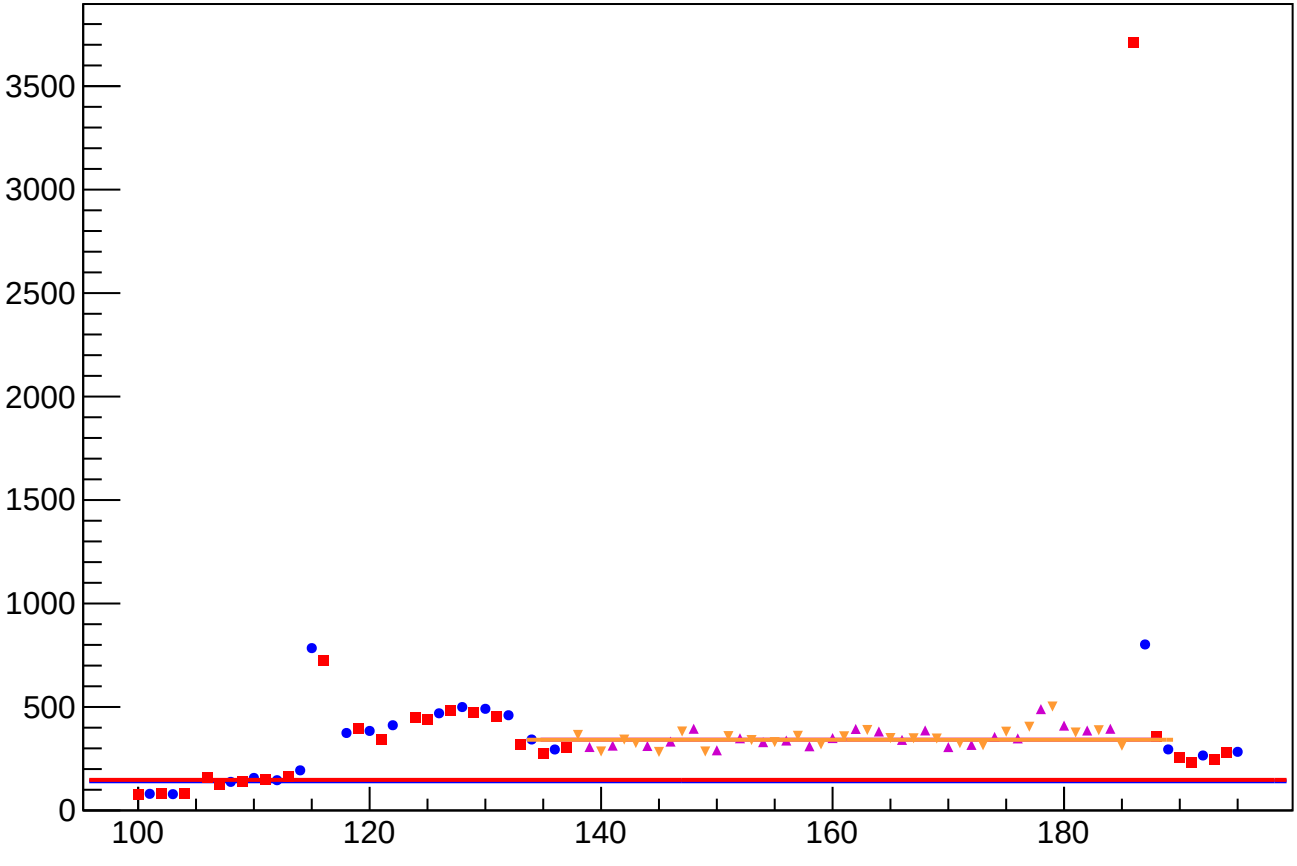
Right: 93.166+/-39.091 χ^2/NDF: 45.4/44

In: 49.566+/-46.164 χ^2/NDF:51.4/42

Out: 137.481+/-44.679 χ^2/NDF:49.6/49

All: 94.961+/-32.105 χ^2/NDF: 102.9/92

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 141.015+/-0.040 χ^2/NDF: 6705784.4/19

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 147.745+/-0.038 χ^2/NDF: 7034626.3/24

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

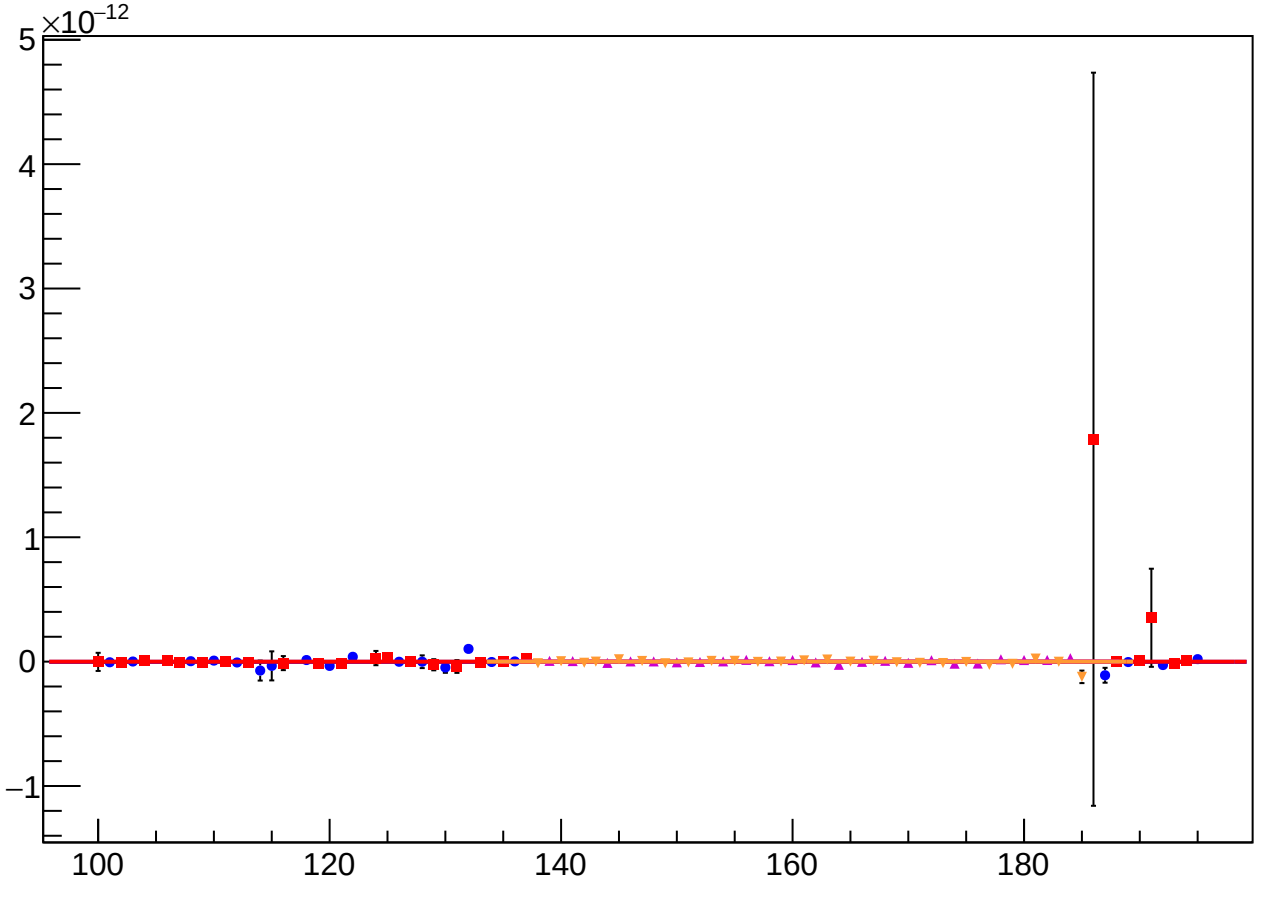
Right: 144.498+/-0.028 χ^2/NDF: 13755208.9/44

In: 206.768+/-0.033 χ^2/NDF:15532467.1/42

Out: 210.519+/-0.032 χ^2/NDF:15832126.0/49

All: 208.705+/-0.023 χ^2/NDF: 31371412.7/92

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

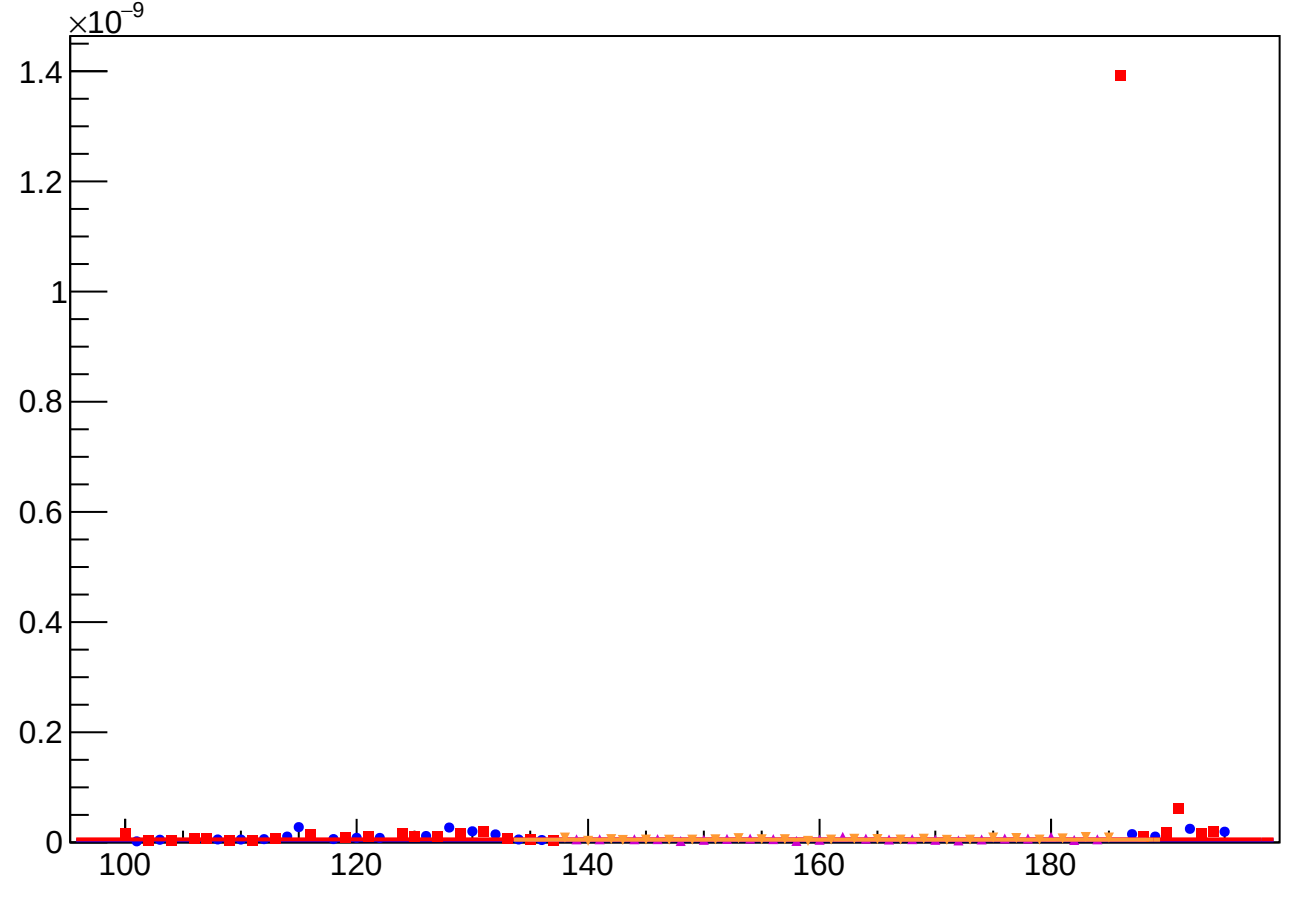
Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

Right: -0.000+/-0.000 χ^2/NDF: 34.2/44

In: -0.000+/-0.000 χ^2/NDF:43.3/42

Out: 0.000+/-0.000 χ^2/NDF:40.7/49

All: -0.000+/-0.000 χ^2/NDF: 84.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 3504316.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2951039.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

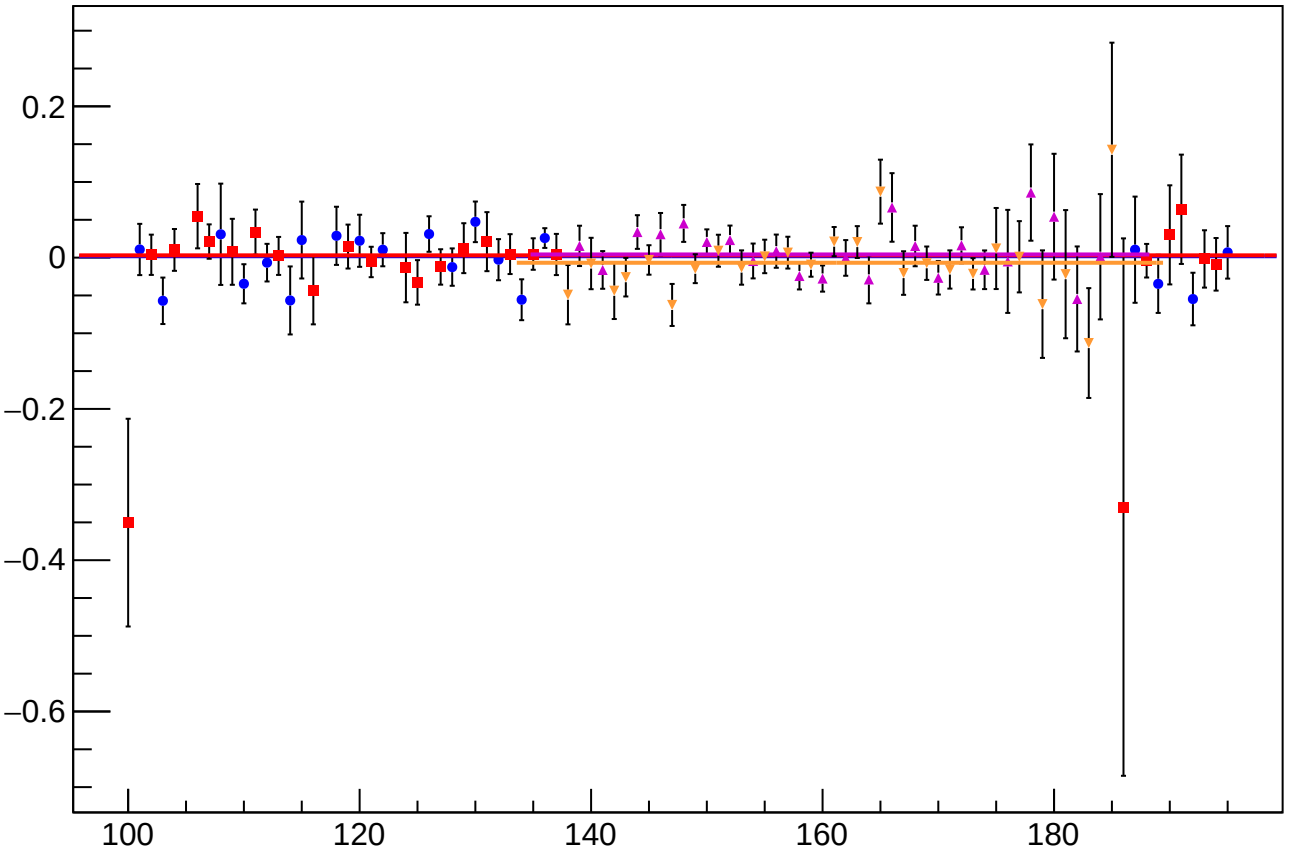
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 6763178.4/44

In: 0.000+/-0.000 χ^2/NDF:4919517.2/42

Out: 0.000+/-0.000 χ^2/NDF:4283684.5/49

All: 0.000+/-0.000 χ^2/NDF: 9340962.9/92



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

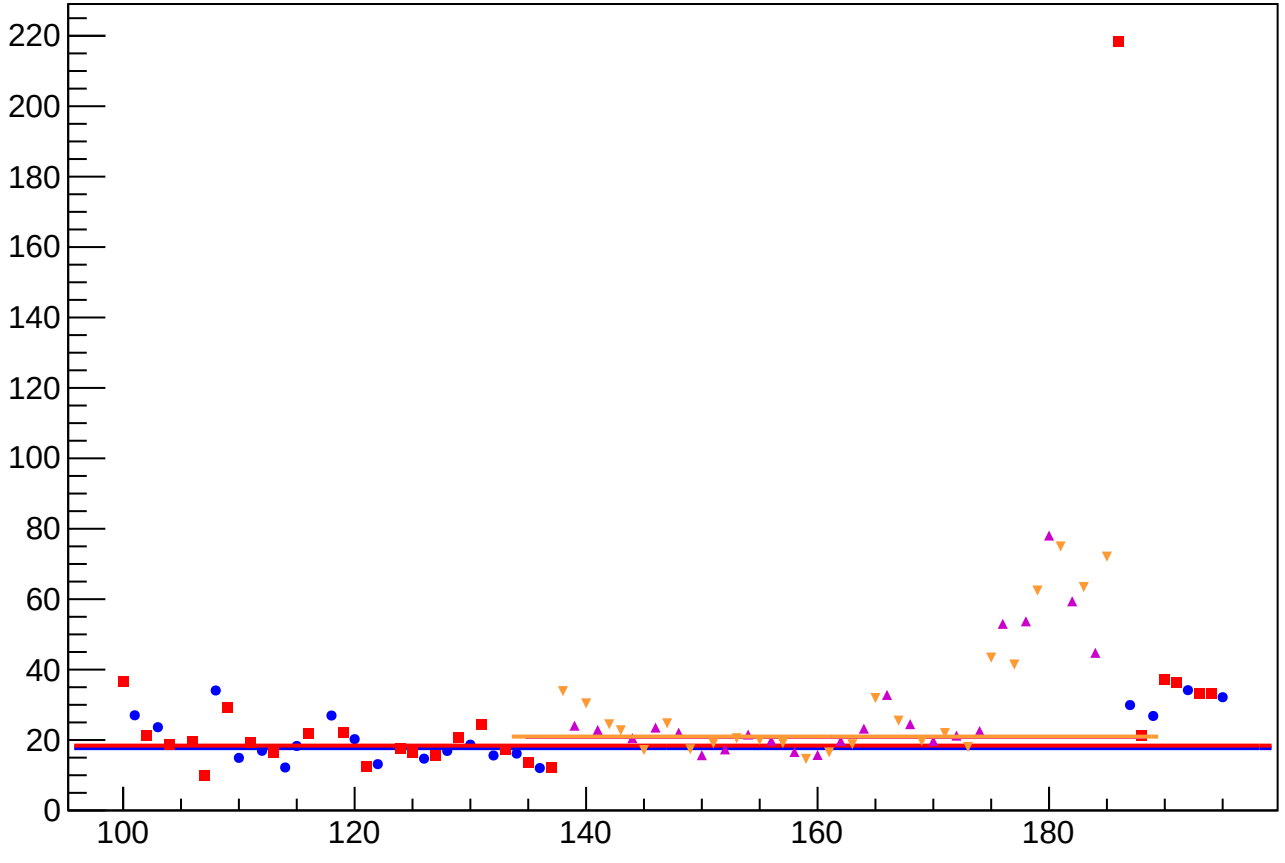
Right: 0.002+/-0.004 χ^2/NDF: 40.9/44

In: 0.003+/-0.004 χ^2/NDF:48.5/42

Out: -0.003+/-0.004 χ^2/NDF:38.9/49

All: 0.000+/-0.003 χ^2/NDF: 88.4/92

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.695+/-0.004 χ^2/NDF: 2015612.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 18.413+/-0.004 χ^2/NDF: 2608713.2/24

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

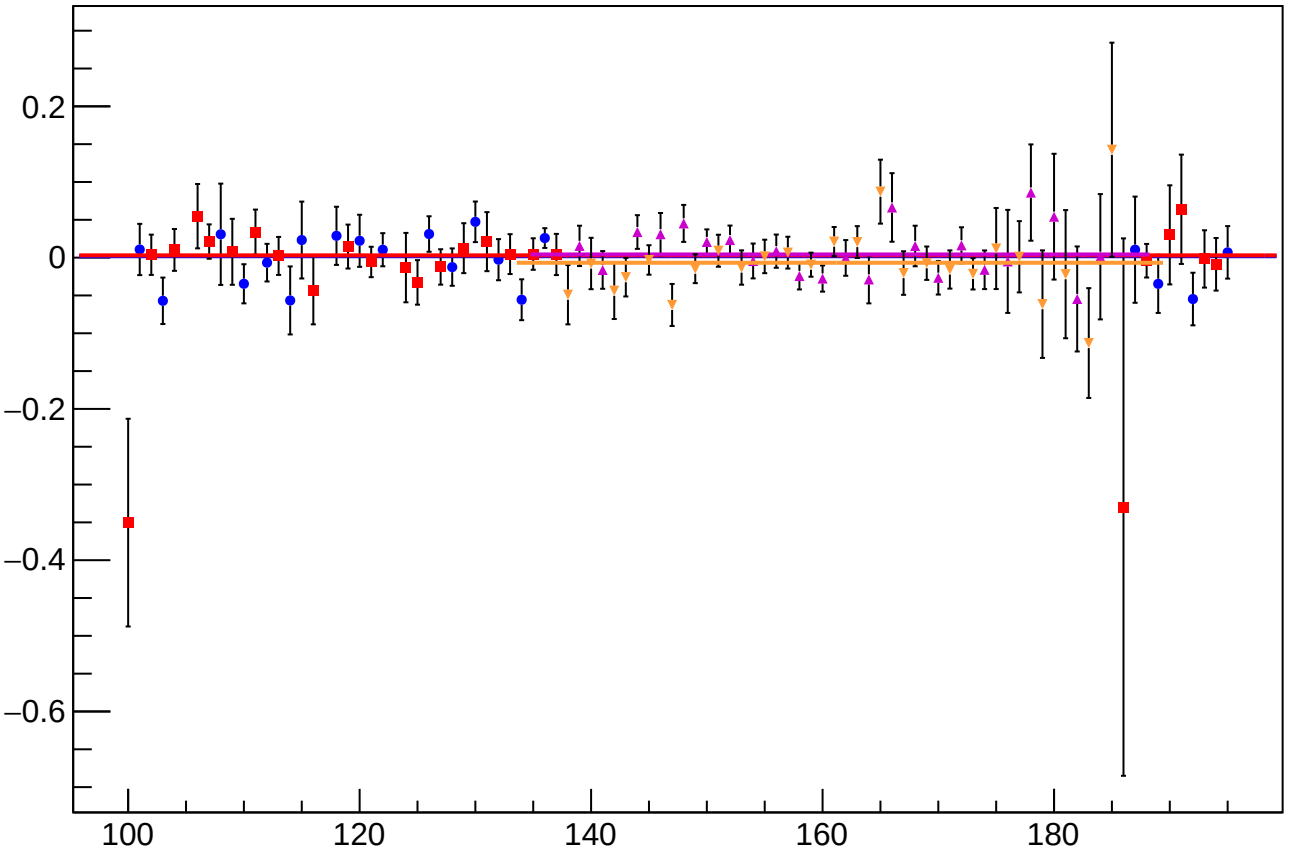
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 18.061+/-0.003 χ^2/NDF: 4637850.2/44

In: 19.539+/-0.003 χ^2/NDF:5851591.8/42

Out: 19.902+/-0.003 χ^2/NDF:7280295.7/49

All: 19.724+/-0.002 χ^2/NDF: 13140129.1/92



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

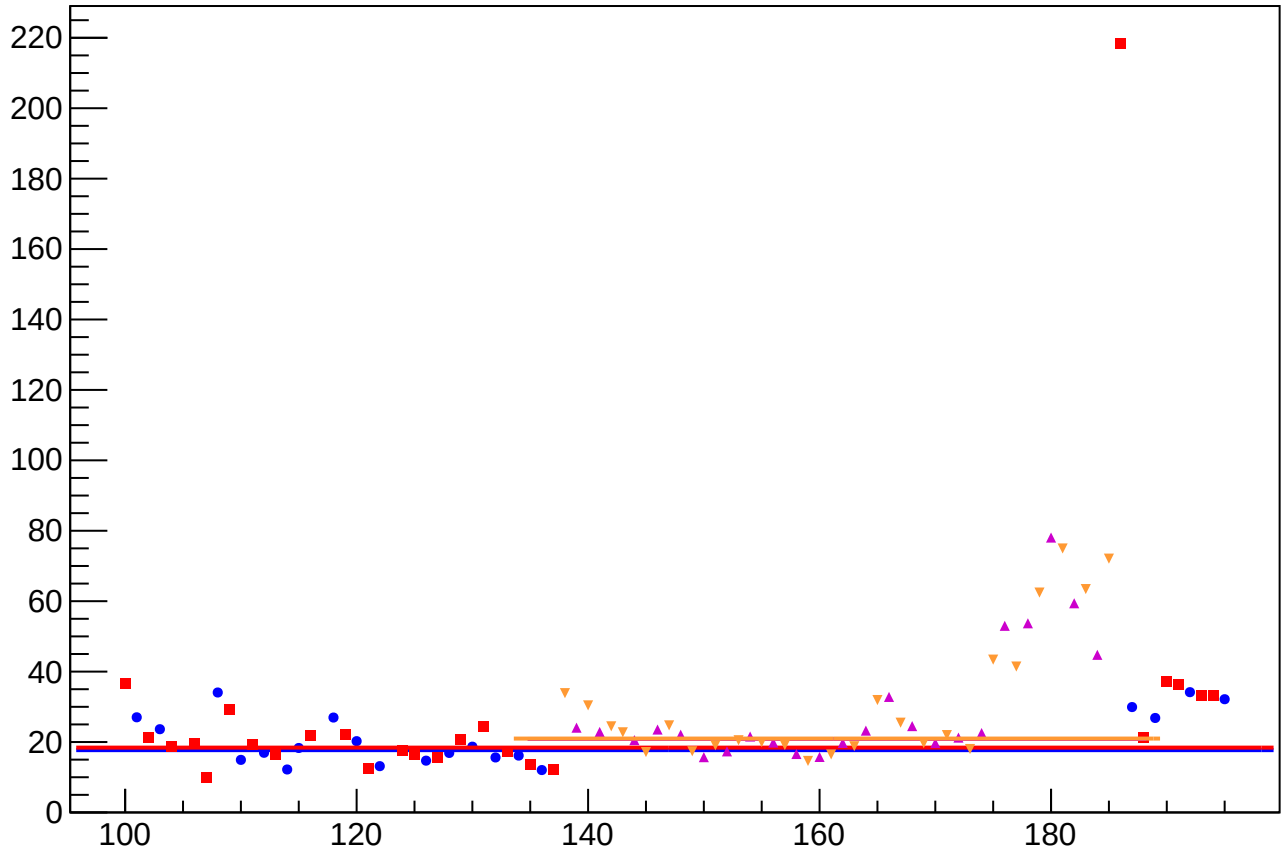
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.002+/-0.004 χ^2/NDF: 40.9/44

In: 0.003+/-0.004 χ^2/NDF:48.5/42

Out: -0.003+/-0.004 χ^2/NDF:38.9/49

All: 0.000+/-0.003 χ^2/NDF: 88.4/92



Right In: 17.695+/-0.004 χ^2/NDF: 2015612.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 18.413+/-0.004 χ^2/NDF: 2608713.2/24

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

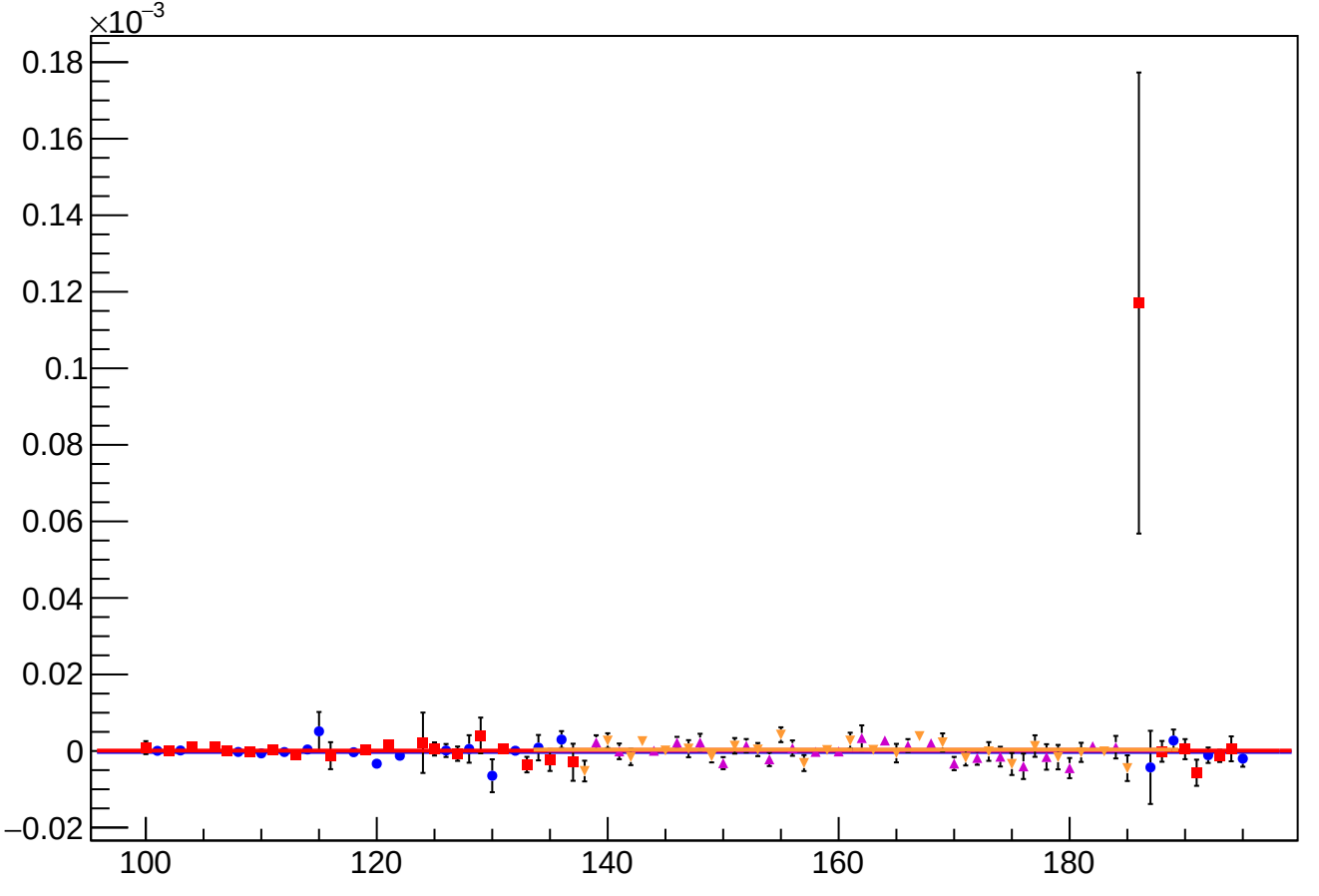
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 18.061+/-0.003 χ^2/NDF: 4637850.2/44

In: 19.539+/-0.003 χ^2/NDF:5851591.8/42

Out: 19.902+/-0.003 χ^2/NDF:7280295.7/49

All: 19.724+/-0.002 χ^2/NDF: 13140129.1/92



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

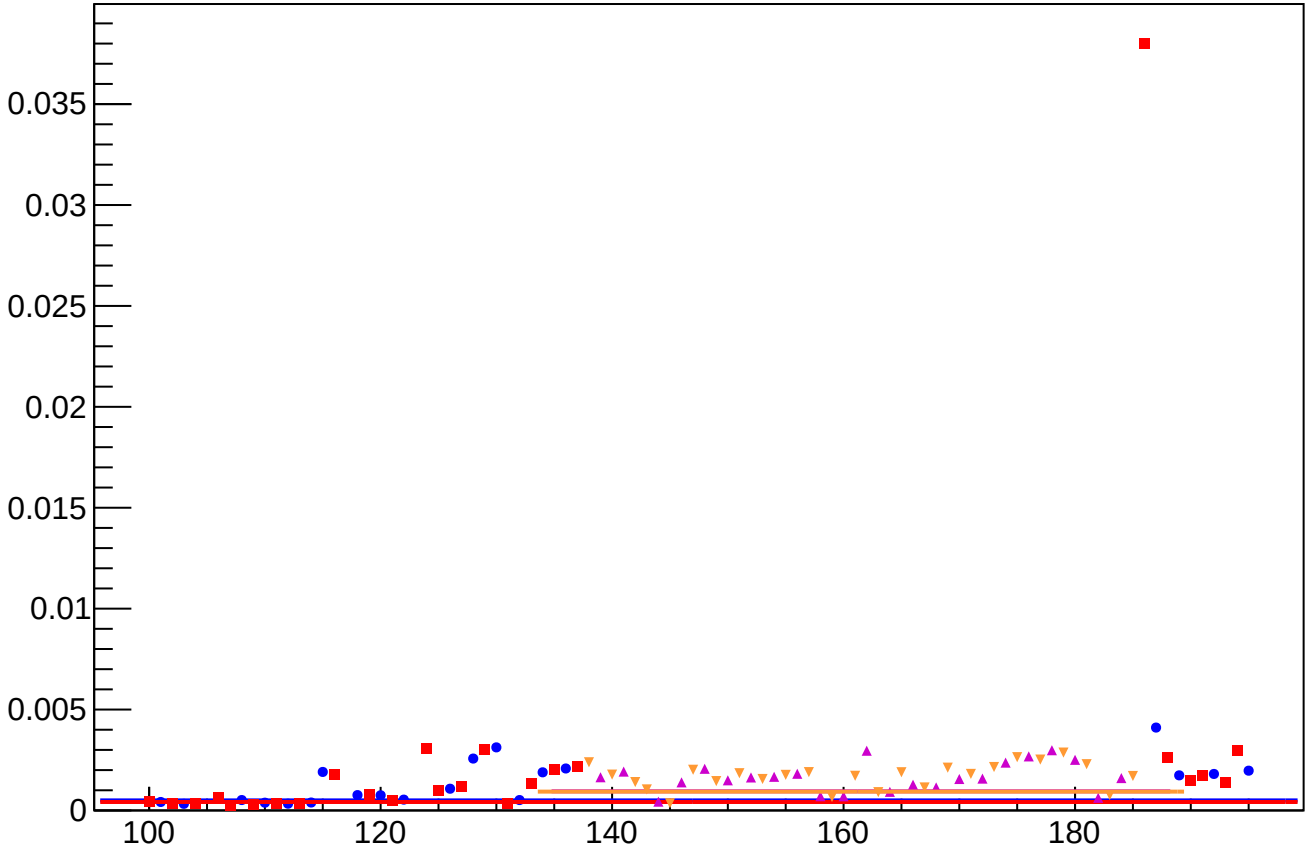
Right: -0.000+/-0.000 χ^2/NDF: 45.7/44

In: -0.000+/-0.000 χ^2/NDF:50.4/42

Out: 0.000+/-0.000 χ^2/NDF:62.7/49

All: 0.000+/-0.000 χ^2/NDF: 114.0/92

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6542209.5/19

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8833348.2/24

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

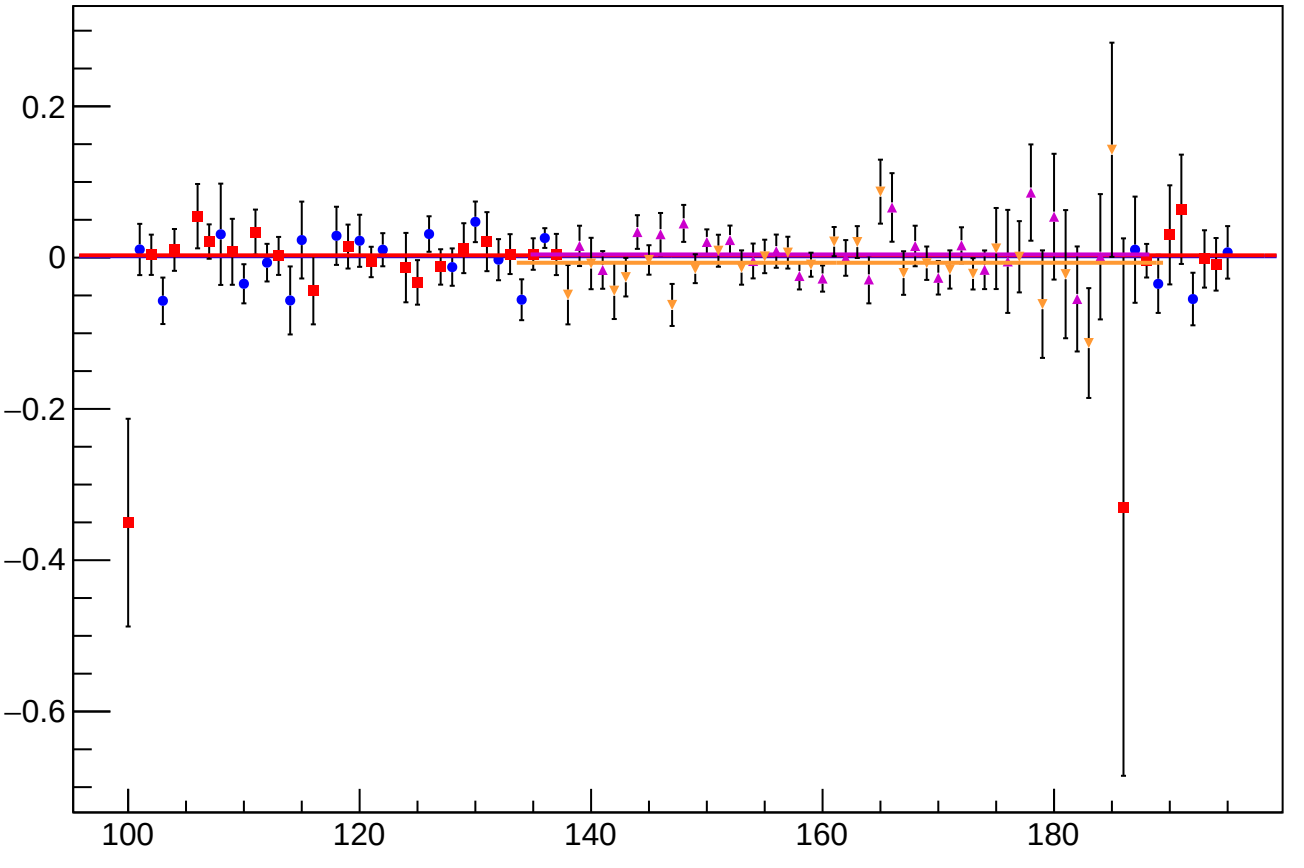
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15551933.0/44

In: 0.001+/-0.000 χ^2/NDF:19640111.1/42

Out: 0.001+/-0.000 χ^2/NDF:26244683.4/49

All: 0.001+/-0.000 χ^2/NDF: 46277532.5/92



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

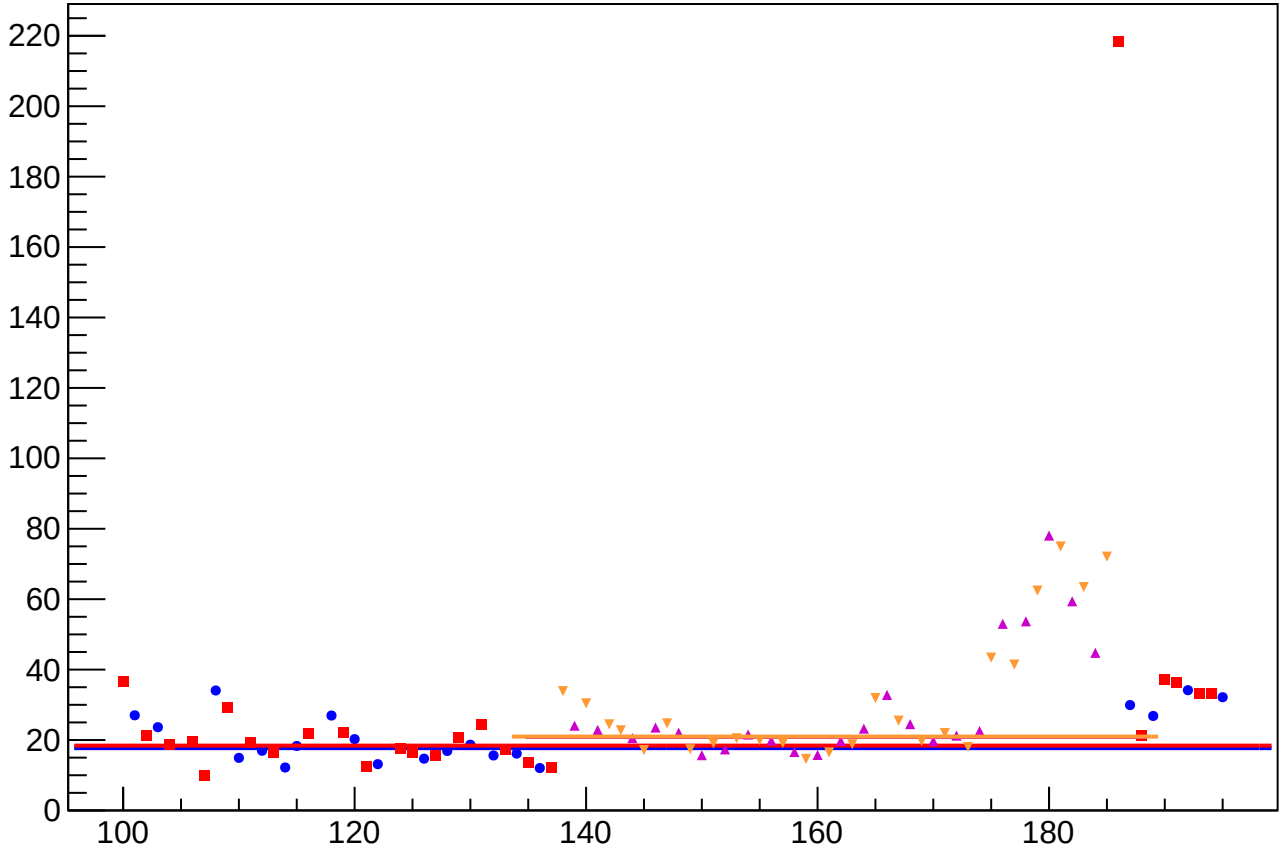
Right: 0.002+/-0.004 χ^2/NDF: 40.9/44

In: 0.003+/-0.004 χ^2/NDF:48.5/42

Out: -0.003+/-0.004 χ^2/NDF:38.9/49

All: 0.000+/-0.003 χ^2/NDF: 88.4/92

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.695+/-0.004 χ^2/NDF: 2015640.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 18.413+/-0.004 χ^2/NDF: 2608731.5/24

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

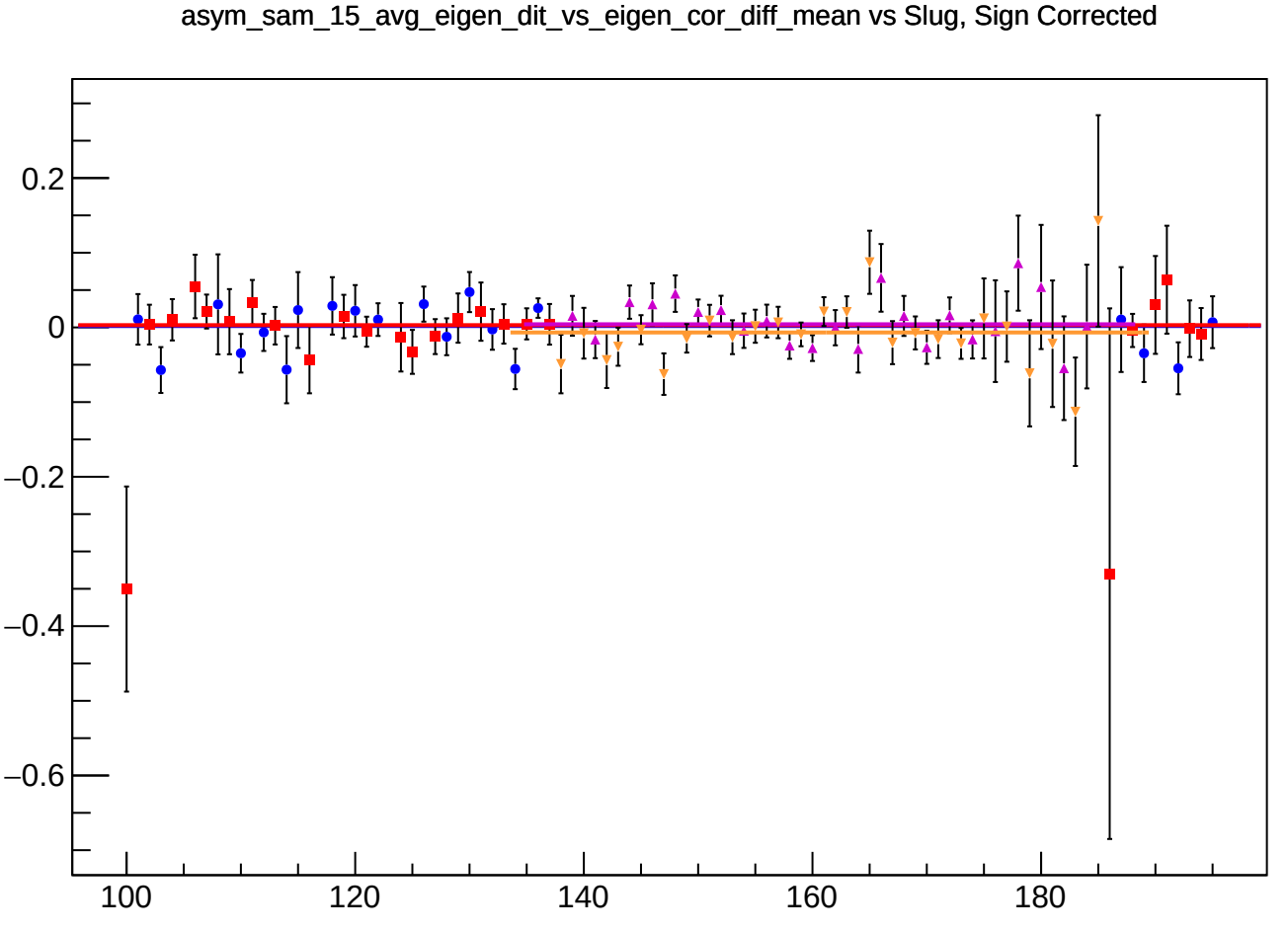
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 18.061+/-0.003 χ^2/NDF: 4637894.4/44

In: 19.539+/-0.003 χ^2/NDF:5851712.2/42

Out: 19.902+/-0.003 χ^2/NDF:7280347.3/49

All: 19.724+/-0.002 χ^2/NDF: 13140301.8/92



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/19

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

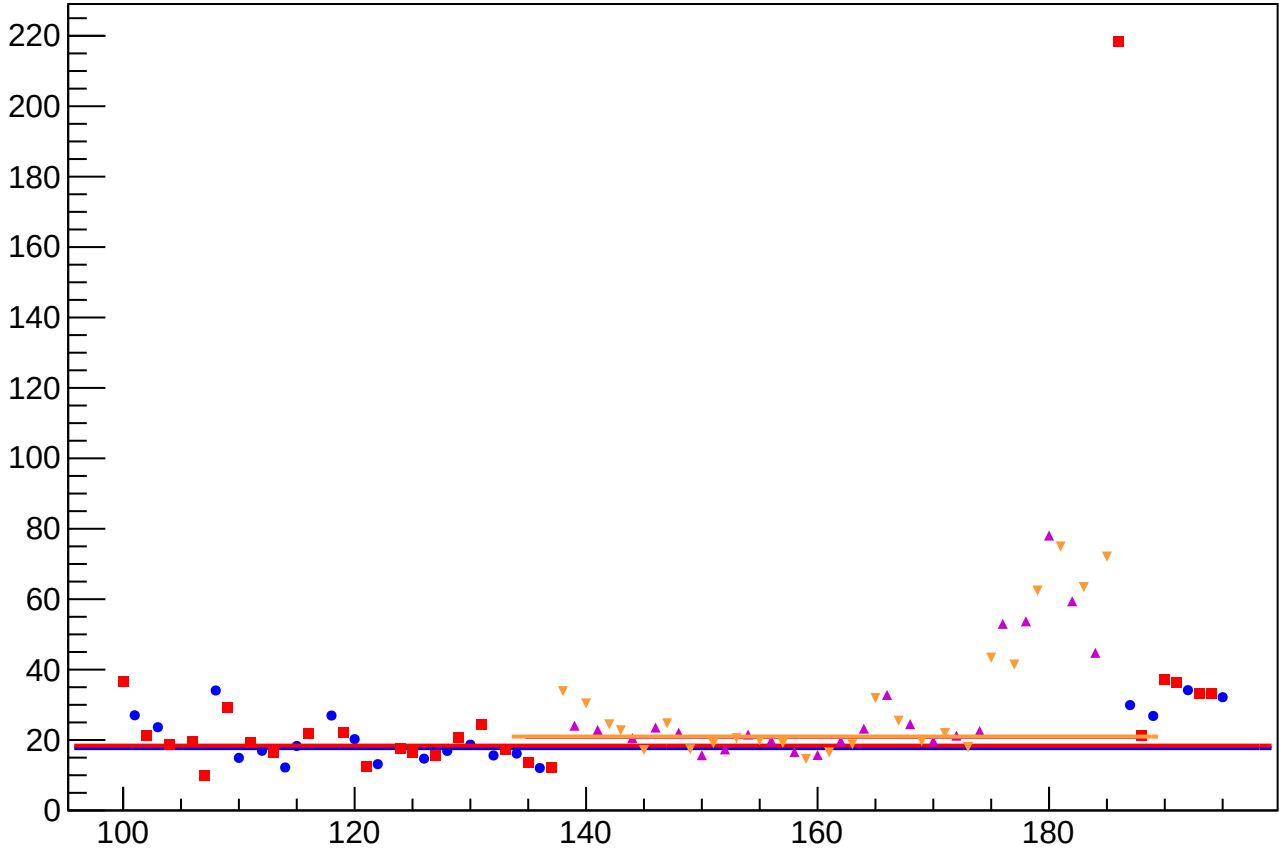
Right: 0.002+/-0.004 χ^2/NDF: 40.9/44

In: 0.003+/-0.004 χ^2/NDF:48.5/42

Out: -0.003+/-0.004 χ^2/NDF:38.9/49

All: 0.000+/-0.003 χ^2/NDF: 88.4/92

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.695+/-0.004 χ^2/NDF: 2015640.4/19

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 18.413+/-0.004 χ^2/NDF: 2608731.5/24

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

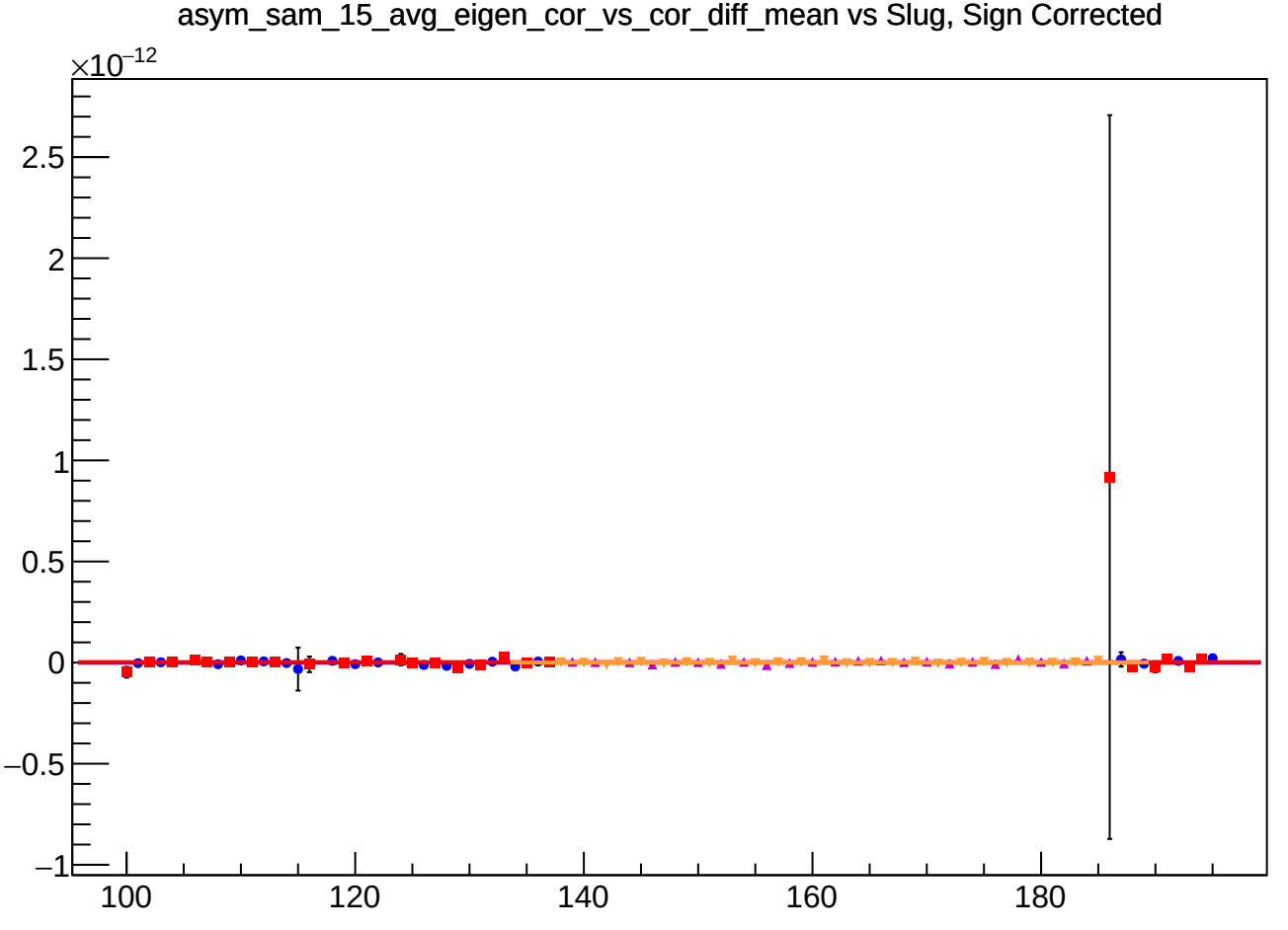
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 18.061+/-0.003 χ^2/NDF: 4637894.4/44

In: 19.539+/-0.003 χ^2/NDF:5851712.2/42

Out: 19.902+/-0.003 χ^2/NDF:7280347.3/49

All: 19.724+/-0.002 χ^2/NDF: 13140301.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 14.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/24

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

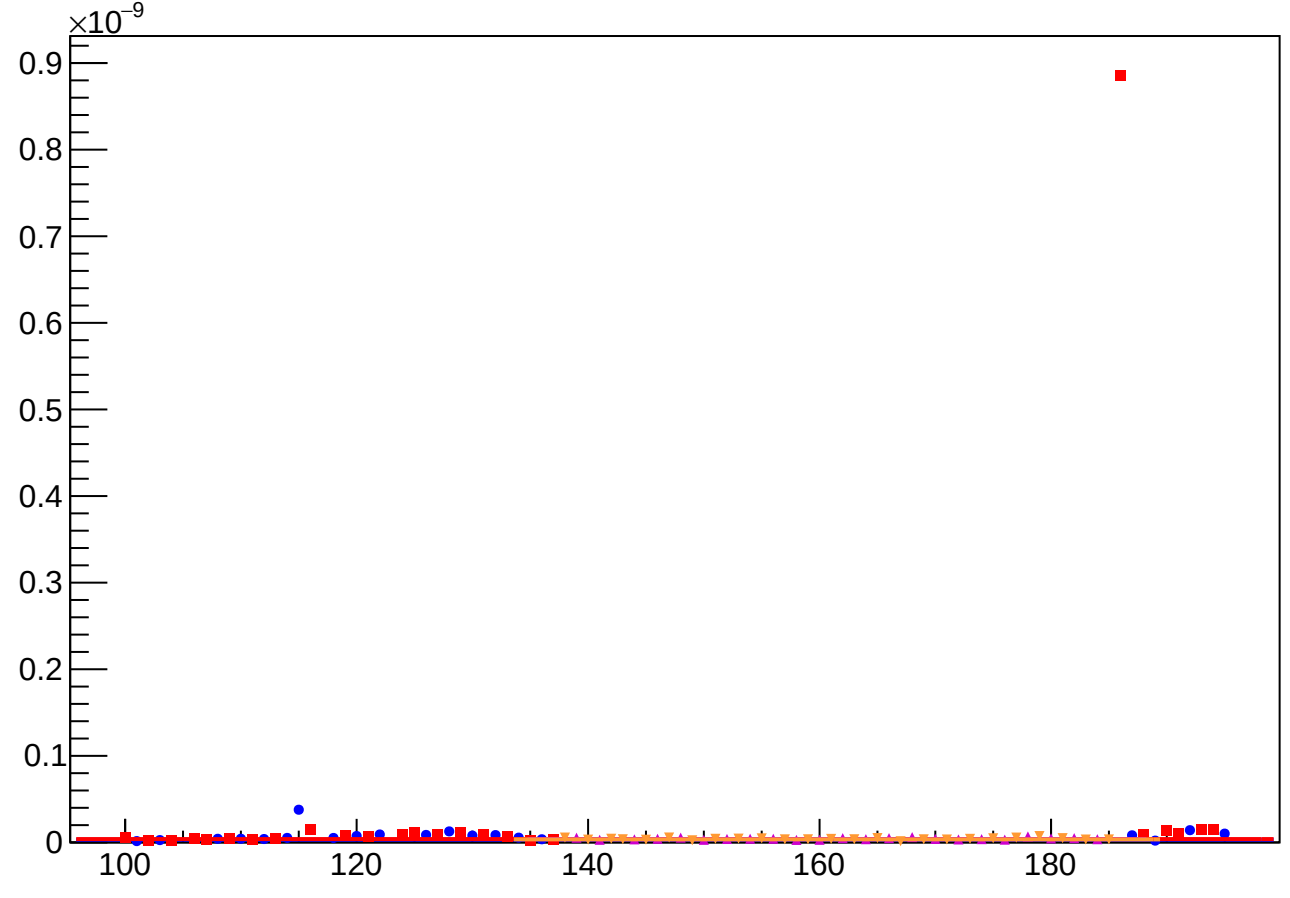
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 36.7/44

In: 0.000+/-0.000 χ^2/NDF:41.7/42

Out: 0.000+/-0.000 χ^2/NDF:35.7/49

All: 0.000+/-0.000 χ^2/NDF: 77.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 4044485.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5082528.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

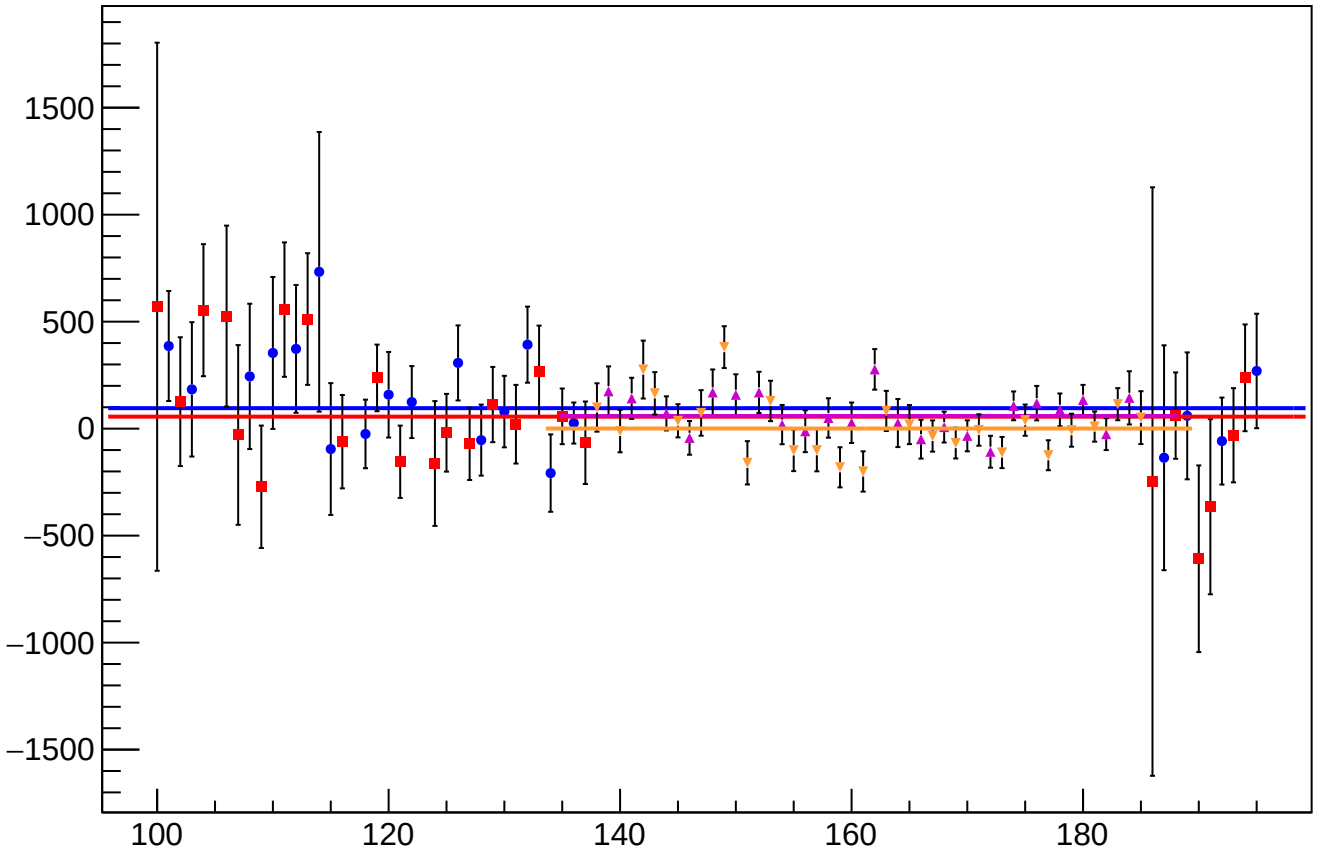
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 9323910.3/44

In: 0.000+/-0.000 χ^2/NDF:5547489.2/42

Out: 0.000+/-0.000 χ^2/NDF:7669165.1/49

All: 0.000+/-0.000 χ^2/NDF: 13217141.0/92



Right In: 95.693+/-44.995 χ^2/NDF: 14.6/19

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 56.112+/-45.455 χ^2/NDF: 20.3/24

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

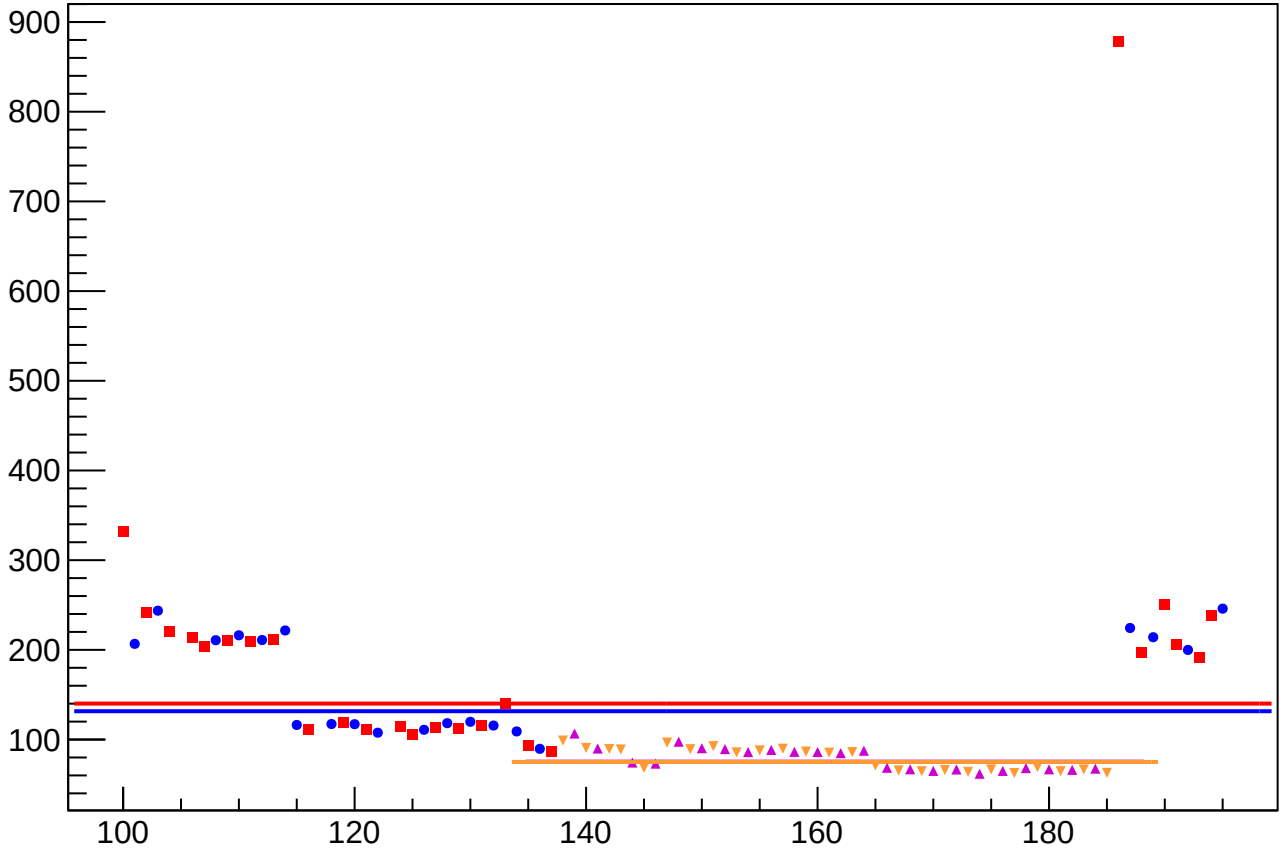
Right: 76.104+/-31.978 χ^2/NDF: 35.3/44

In: 63.923+/-16.615 χ^2/NDF:41.0/42

Out: 7.636+/-16.184 χ^2/NDF:70.2/49

All: 35.040+/-11.593 χ^2/NDF: 117.1/92

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 131.593+/-0.032 χ^2/NDF: 2188199.0/19

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 140.096+/-0.032 χ^2/NDF: 2949784.2/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

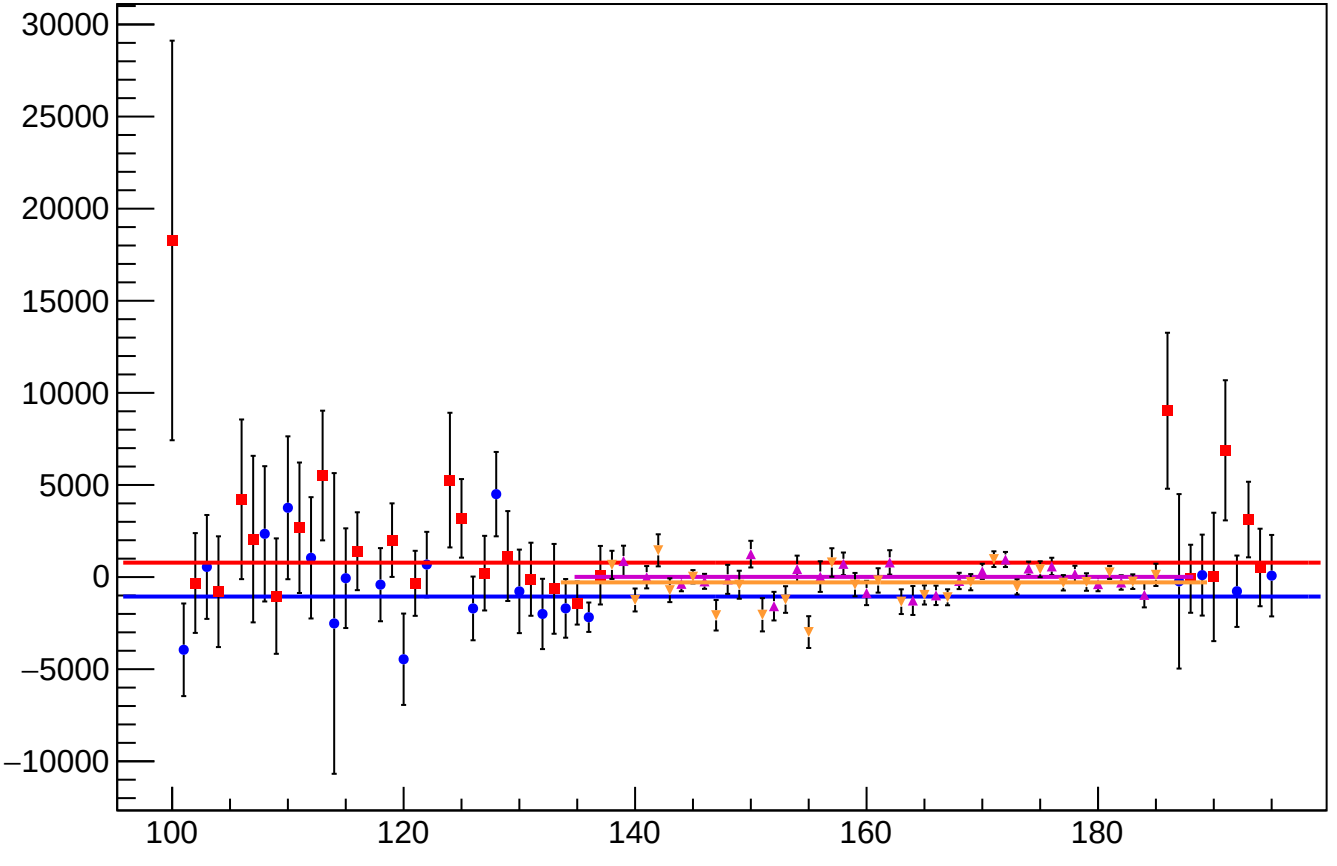
Right: 135.801+/-0.023 χ^2/NDF: 5173335.7/44

In: 83.021+/-0.012 χ^2/NDF:5724451.1/42

Out: 83.288+/-0.011 χ^2/NDF:7455174.0/49

All: 83.158+/-0.008 χ^2/NDF: 13179890.6/92

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1057.534+/-443.554 χ^2/NDF: 16.6/19

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 782.715+/-464.381 χ^2/NDF: 22.1/24

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

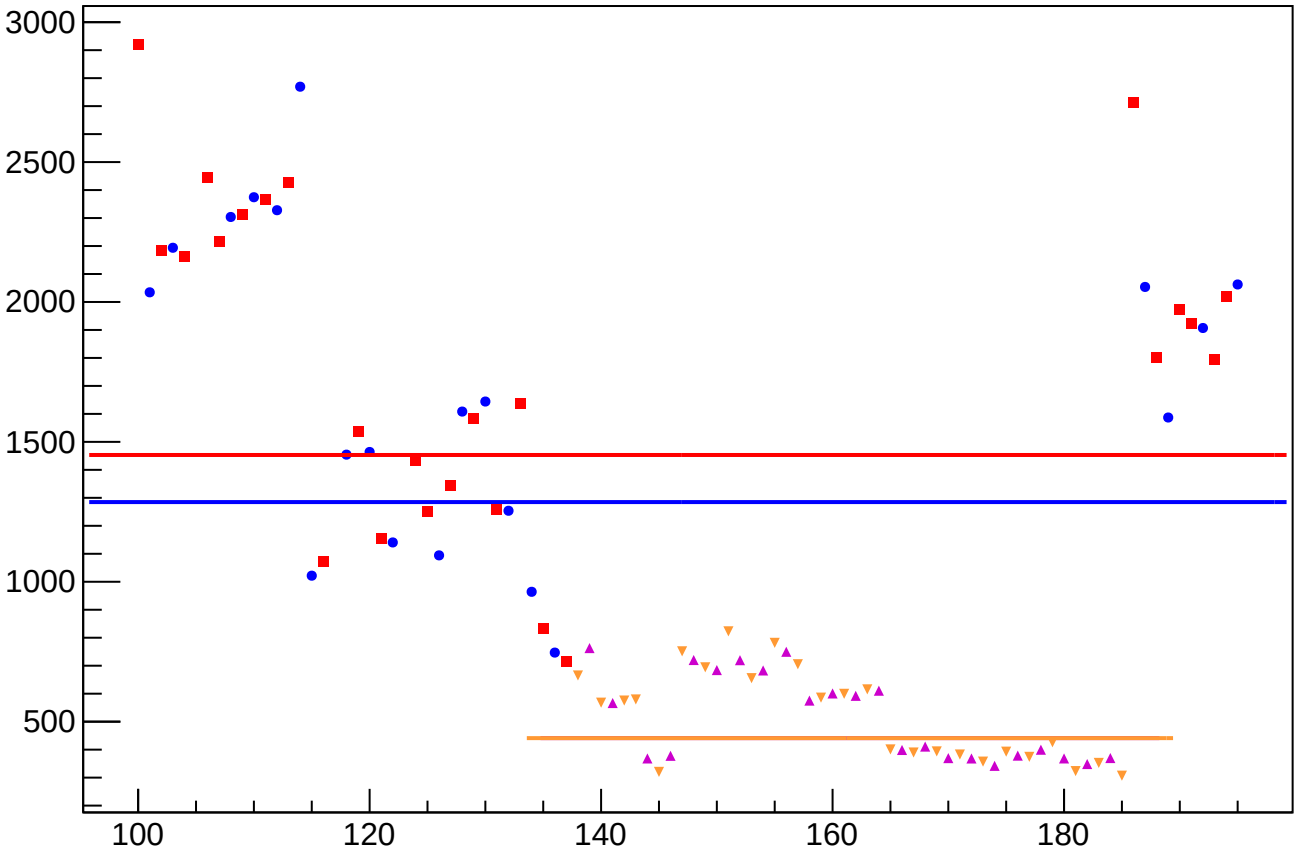
Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

Right: -179.600+/-320.750 χ^2/NDF: 46.9/44

In: -48.796+/-104.631 χ^2/NDF:55.5/42

Out: -235.779+/-102.629 χ^2/NDF:80.5/49

All: -144.093+/-73.267 χ^2/NDF: 137.6/92



Right In: 1284.809+/-0.314 χ^2/NDF: 2670619.5/19

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1453.139+/-0.328 χ^2/NDF: 2594634.1/24

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

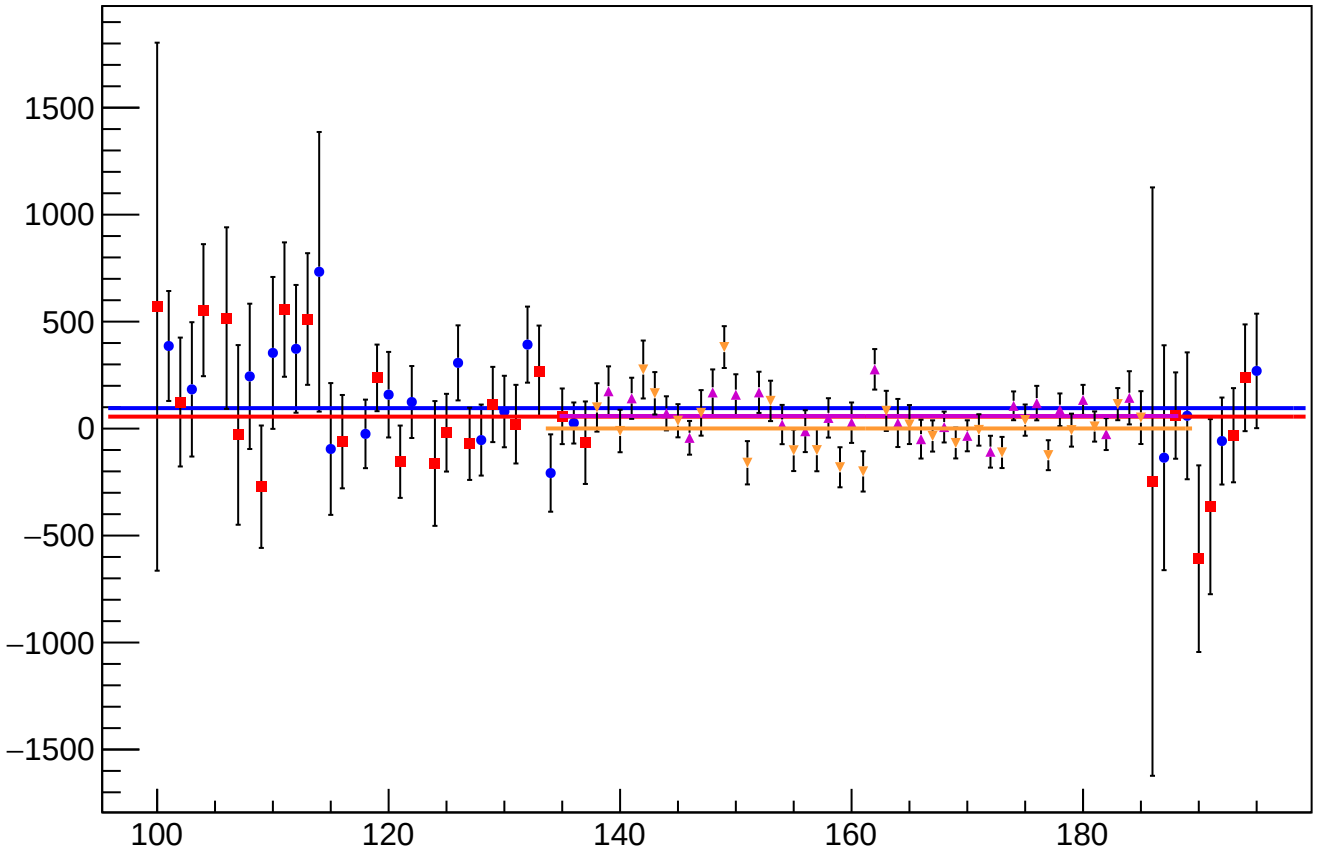
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1365.115+/-0.227 χ^2/NDF: 5402672.1/44

In: 488.139+/-0.074 χ^2/NDF:12184871.8/42

Out: 490.557+/-0.073 χ^2/NDF:14863767.6/49

All: 489.371+/-0.052 χ^2/NDF: 27049183.9/92



Right In: 95.680+/-44.995 χ^2/NDF: 14.6/19

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 55.916+/-45.457 χ^2/NDF: 20.2/24

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

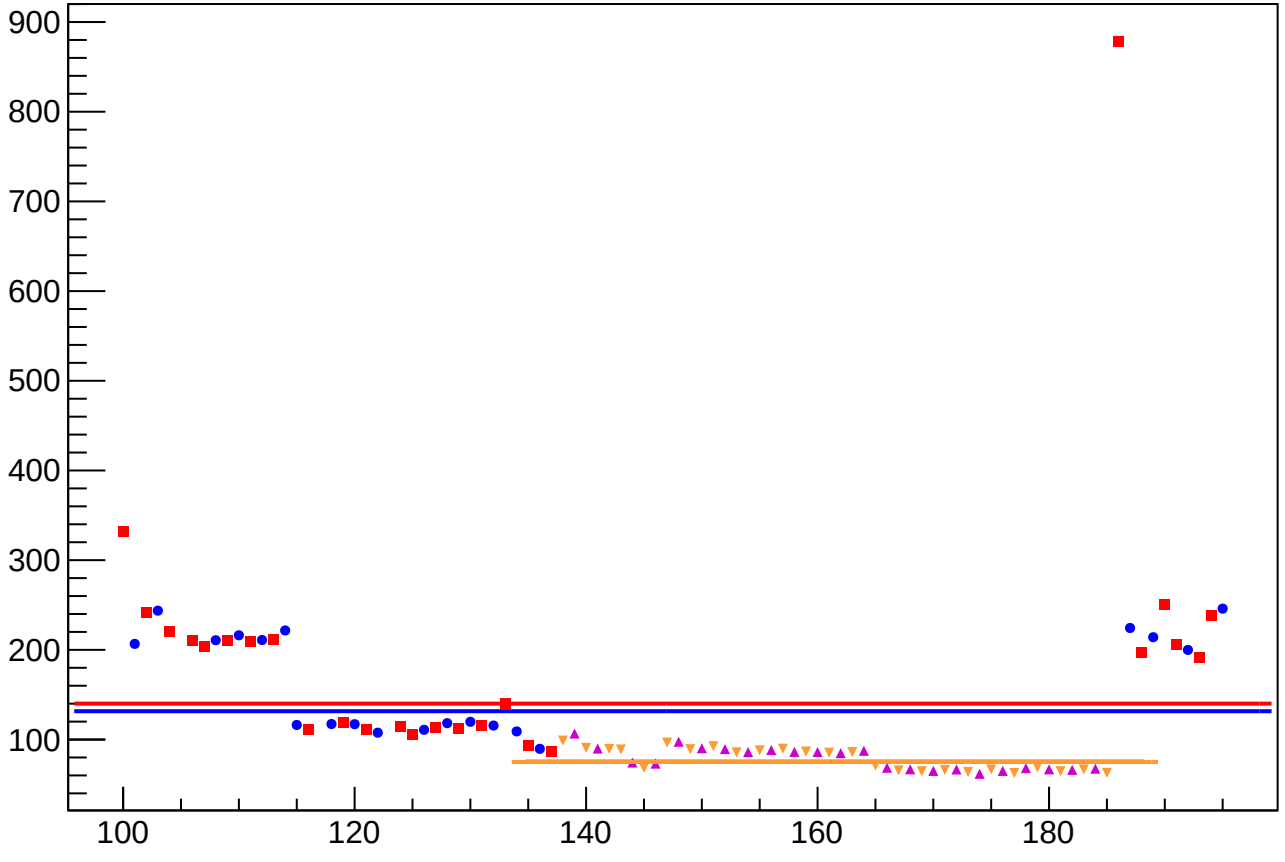
Right: 76.002+/-31.978 χ^2/NDF: 35.2/44

In: 63.919+/-16.615 χ^2/NDF:41.0/42

Out: 7.610+/-16.184 χ^2/NDF:70.1/49

All: 35.025+/-11.593 χ^2/NDF: 117.0/92

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 131.593+/-0.032 χ^2/NDF: 2188201.4/19

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 140.055+/-0.032 χ^2/NDF: 2944734.4/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

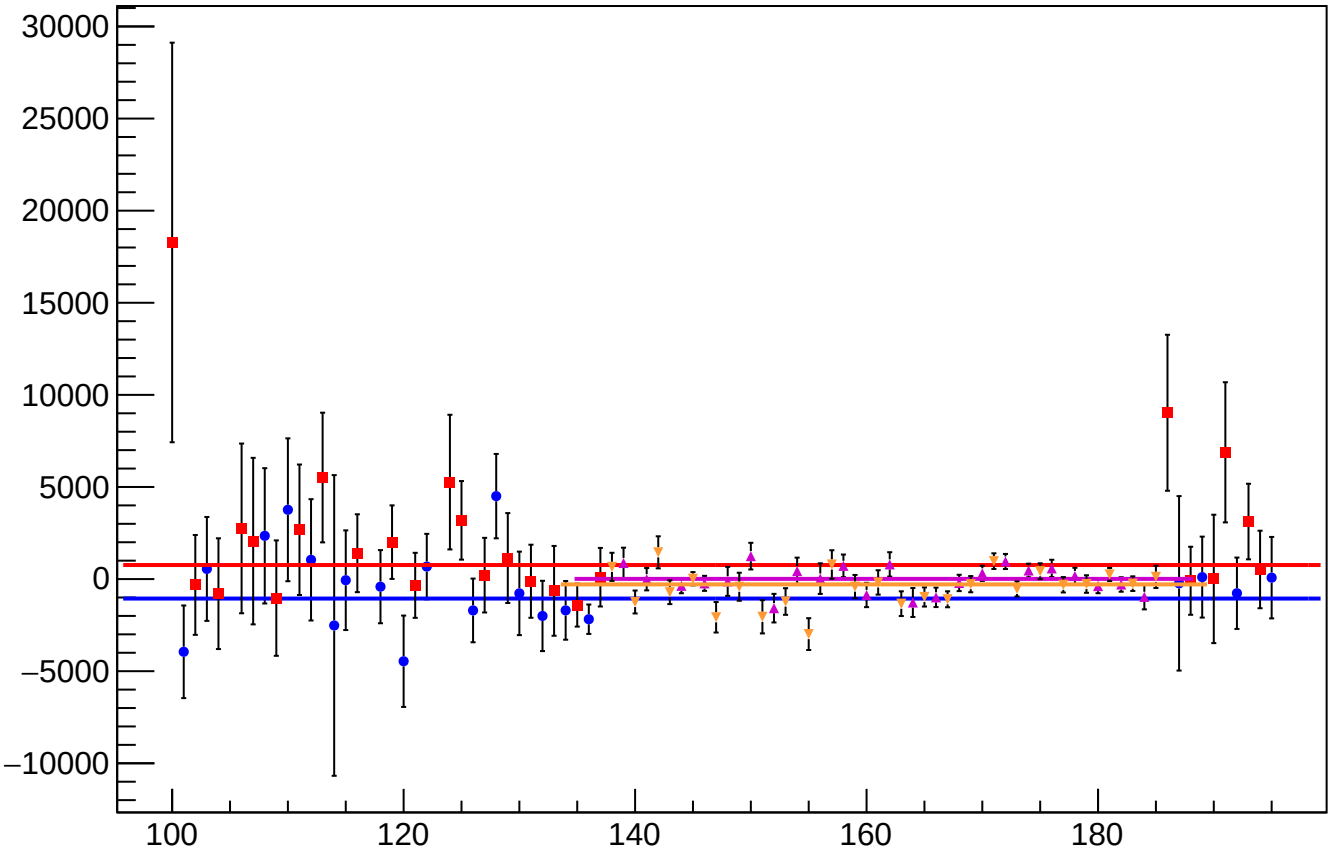
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 135.781+/-0.023 χ^2/NDF: 5167945.9/44

In: 83.021+/-0.012 χ^2/NDF:5724453.1/42

Out: 83.282+/-0.011 χ^2/NDF:7445277.4/49

All: 83.155+/-0.008 χ^2/NDF: 13169984.3/92



Right In: -1057.514+/-443.554 χ^2/NDF: 16.6/19

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 763.392+/-464.696 χ^2/NDF: 21.7/24

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

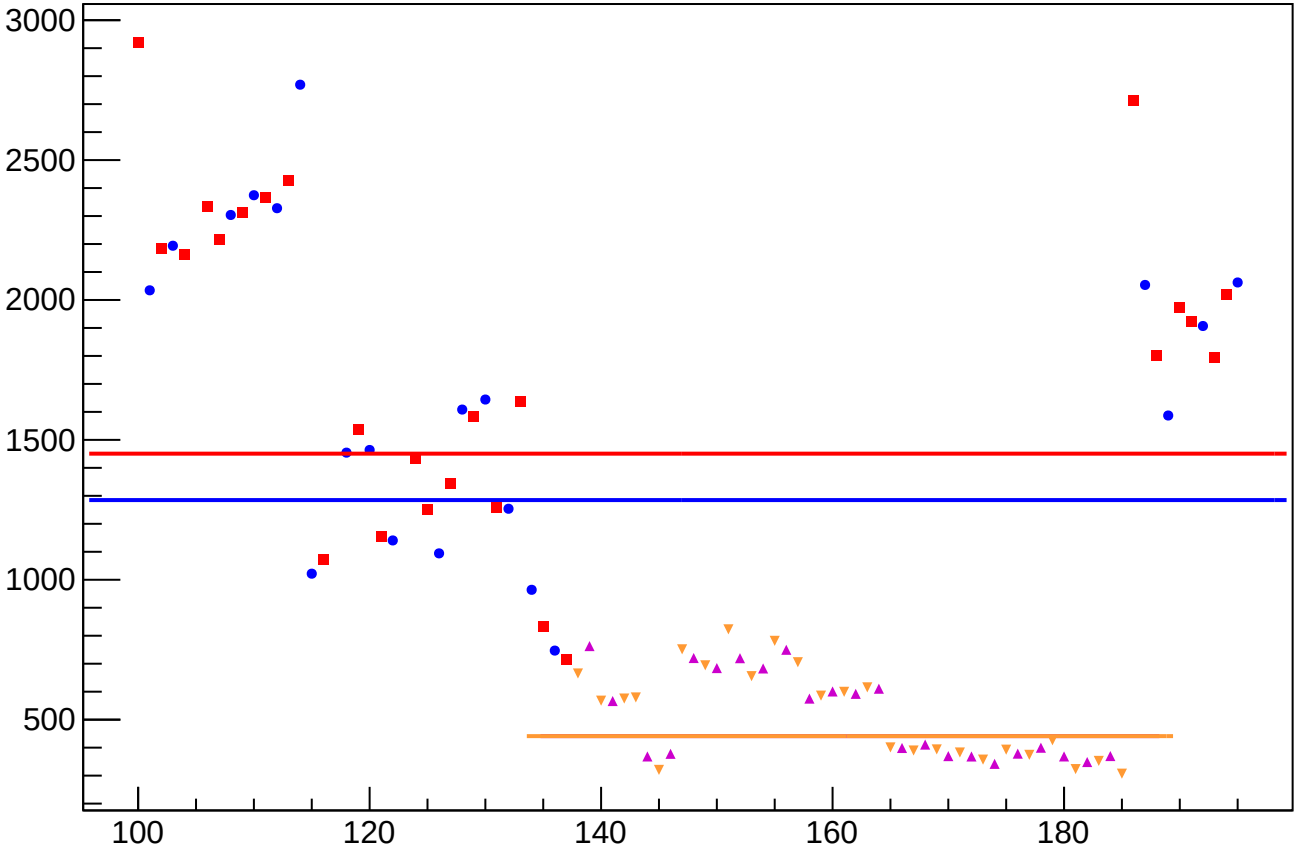
Right: -189.425+/-320.854 χ^2/NDF: 46.3/44

In: -48.794+/-104.631 χ^2/NDF:55.5/42

Out: -236.789+/-102.633 χ^2/NDF:79.8/49

All: -144.604+/-73.269 χ^2/NDF: 137.0/92

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1284.809+/-0.314 χ^2/NDF: 2670651.2/19

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1450.733+/-0.329 χ^2/NDF: 2563622.6/24

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

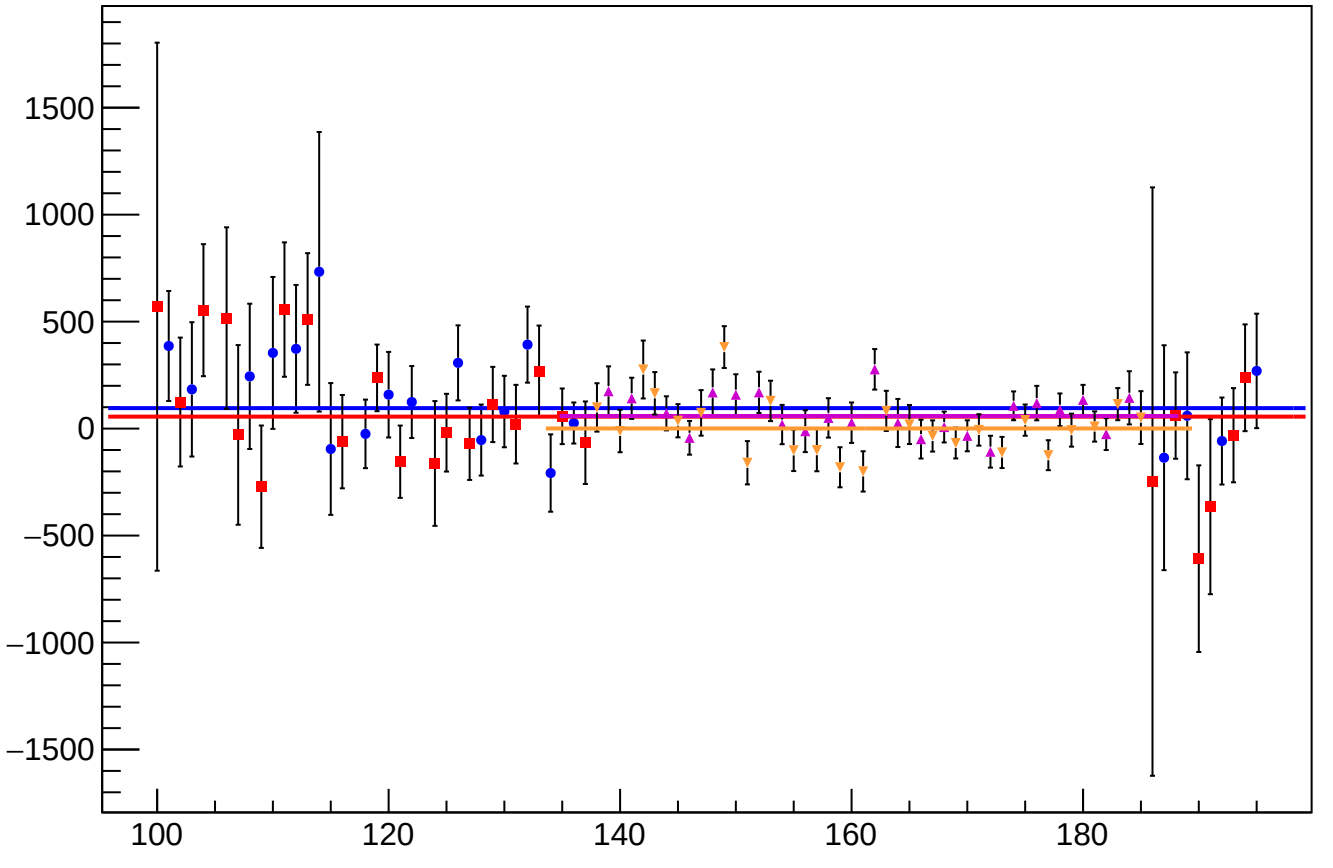
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1363.911+/-0.227 χ^2/NDF: 5367696.5/44

In: 488.139+/-0.074 χ^2/NDF:12184882.3/42

Out: 490.376+/-0.073 χ^2/NDF:14778224.7/49

All: 489.279+/-0.052 χ^2/NDF: 26963572.8/92



Right In: 95.680+/-44.995 χ^2/NDF: 14.6/19

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 55.916+/-45.457 χ^2/NDF: 20.2/24

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

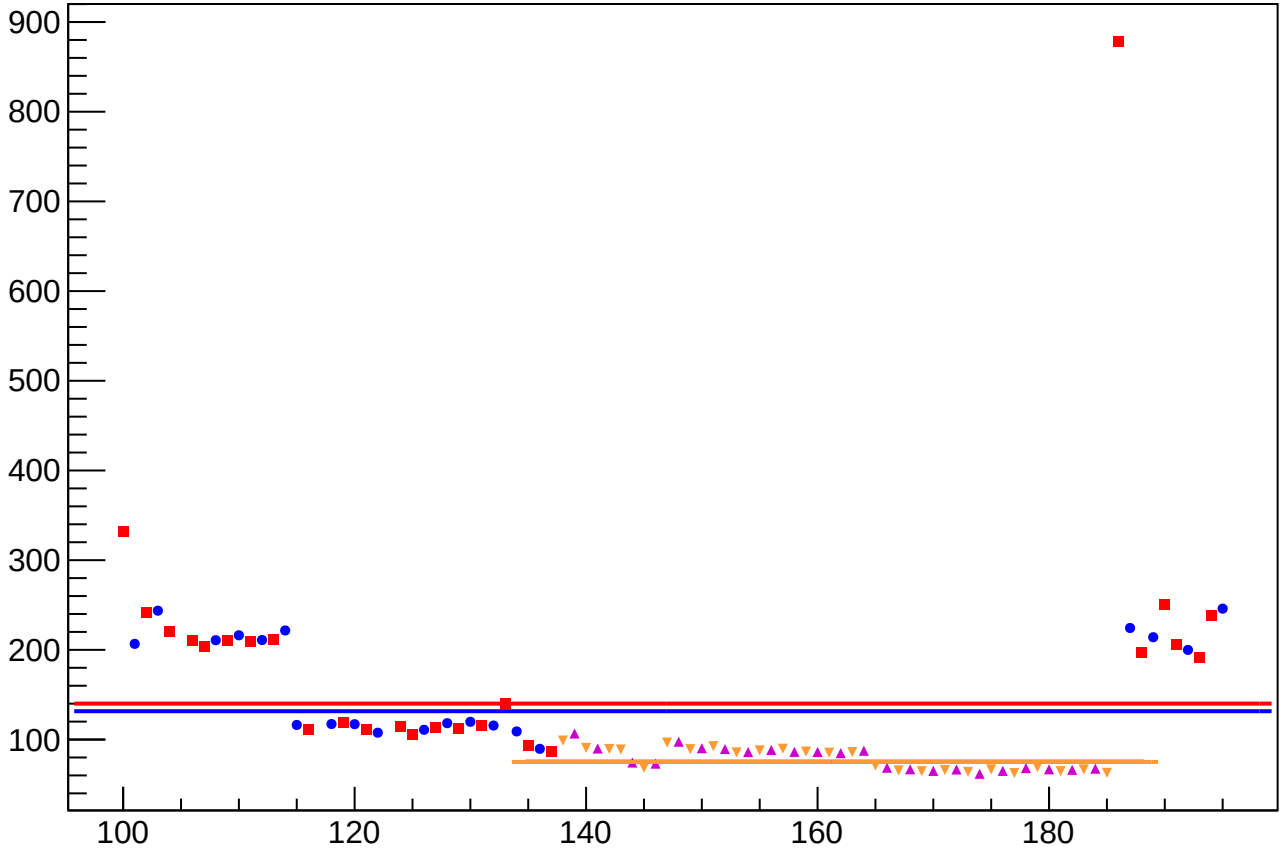
Right: 76.002+/-31.978 χ^2/NDF: 35.2/44

In: 63.919+/-16.615 χ^2/NDF:41.0/42

Out: 7.610+/-16.184 χ^2/NDF:70.1/49

All: 35.025+/-11.593 χ^2/NDF: 117.0/92

eigen_cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 131.593+/-0.032 χ^2/NDF: 2188201.4/19

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 140.055+/-0.032 χ^2/NDF: 2944734.4/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

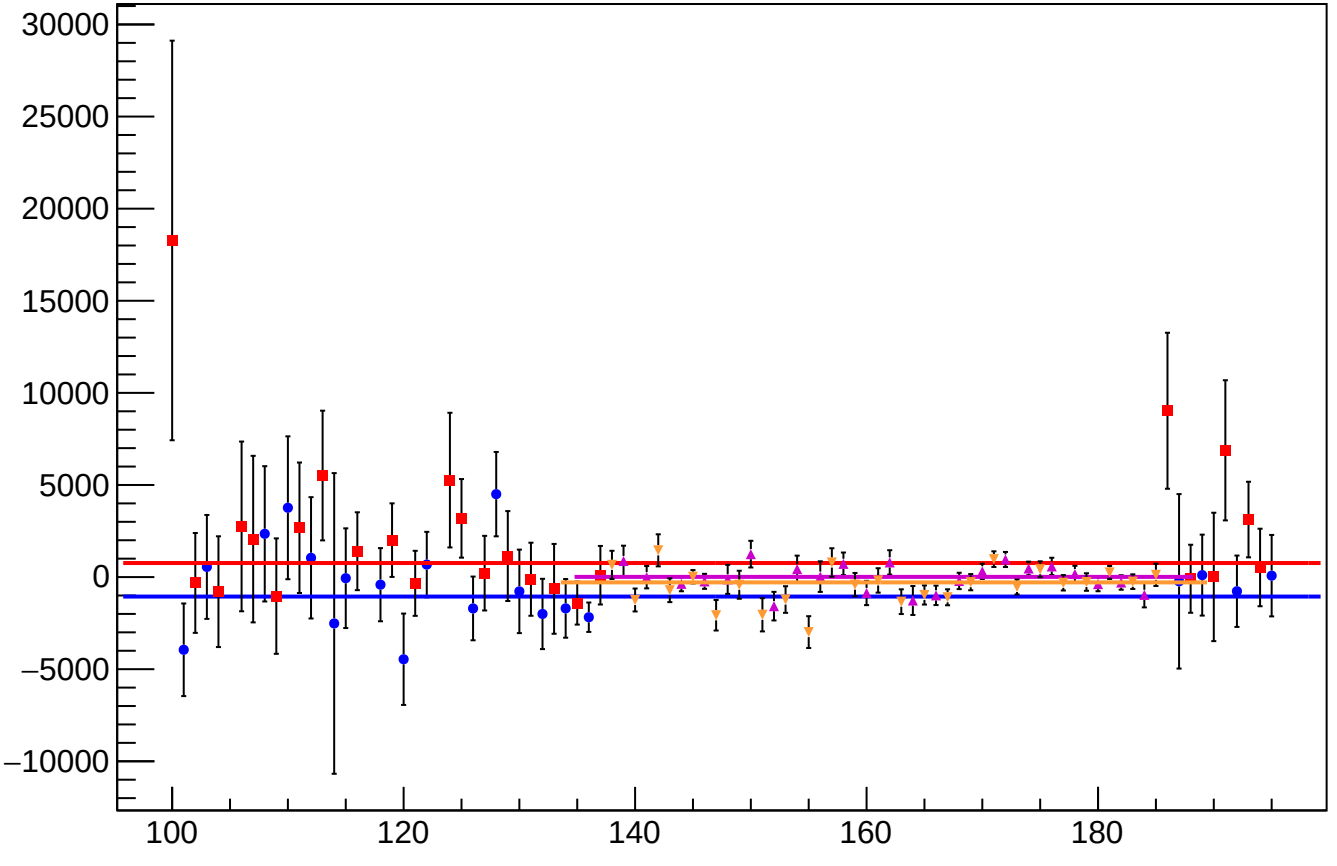
Right: 135.781+/-0.023 χ^2/NDF: 5167945.9/44

In: 83.021+/-0.012 χ^2/NDF:5724453.1/42

Out: 83.282+/-0.011 χ^2/NDF:7445277.4/49

All: 83.155+/-0.008 χ^2/NDF: 13169984.3/92

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1057.514+/-443.554 χ^2/NDF: 16.6/19

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 763.392+/-464.696 χ^2/NDF: 21.7/24

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

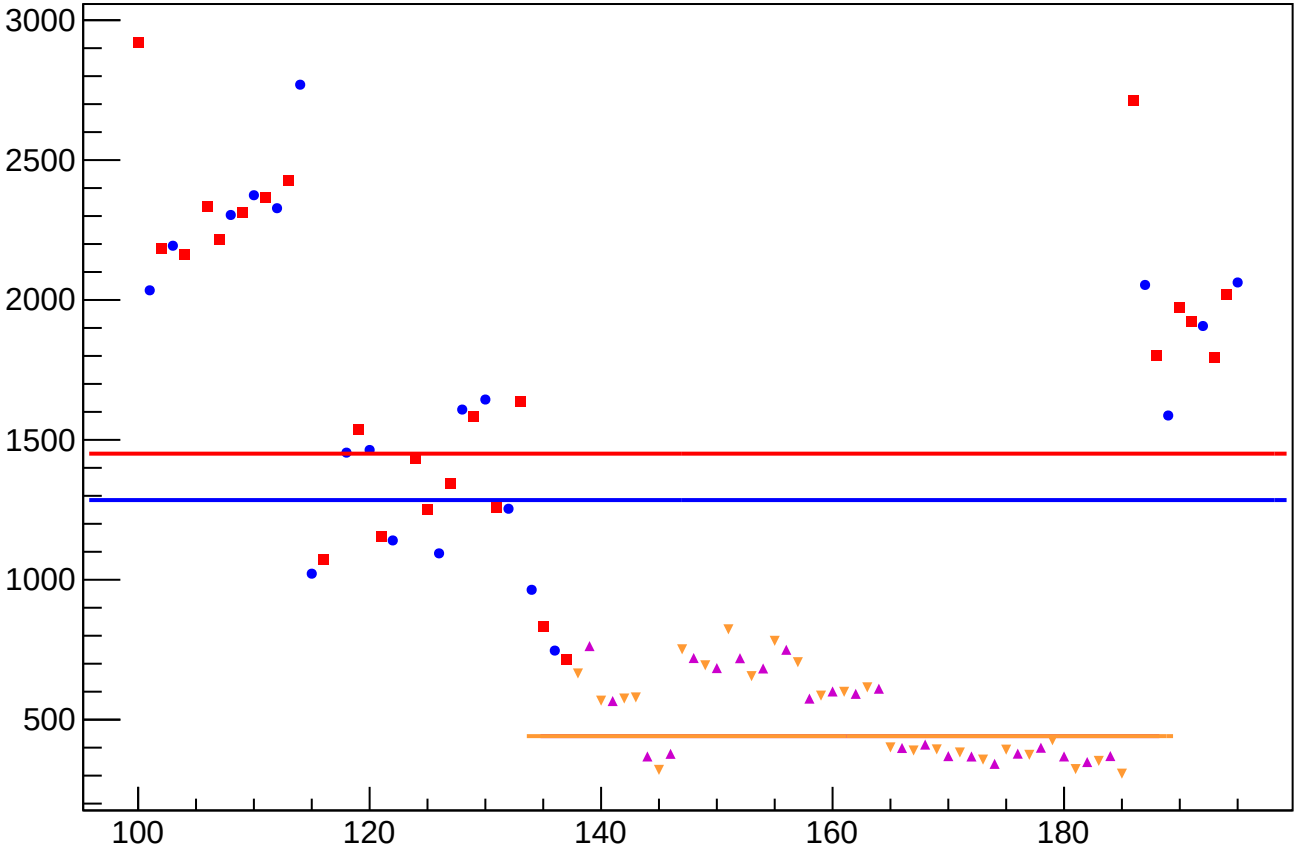
Right: -189.425+/-320.854 χ^2/NDF: 46.3/44

In: -48.794+/-104.631 χ^2/NDF:55.5/42

Out: -236.789+/-102.633 χ^2/NDF:79.8/49

All: -144.604+/-73.269 χ^2/NDF: 137.0/92

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1284.809+/-0.314 χ^2/NDF: 2670651.2/19

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1450.733+/-0.329 χ^2/NDF: 2563622.6/24

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

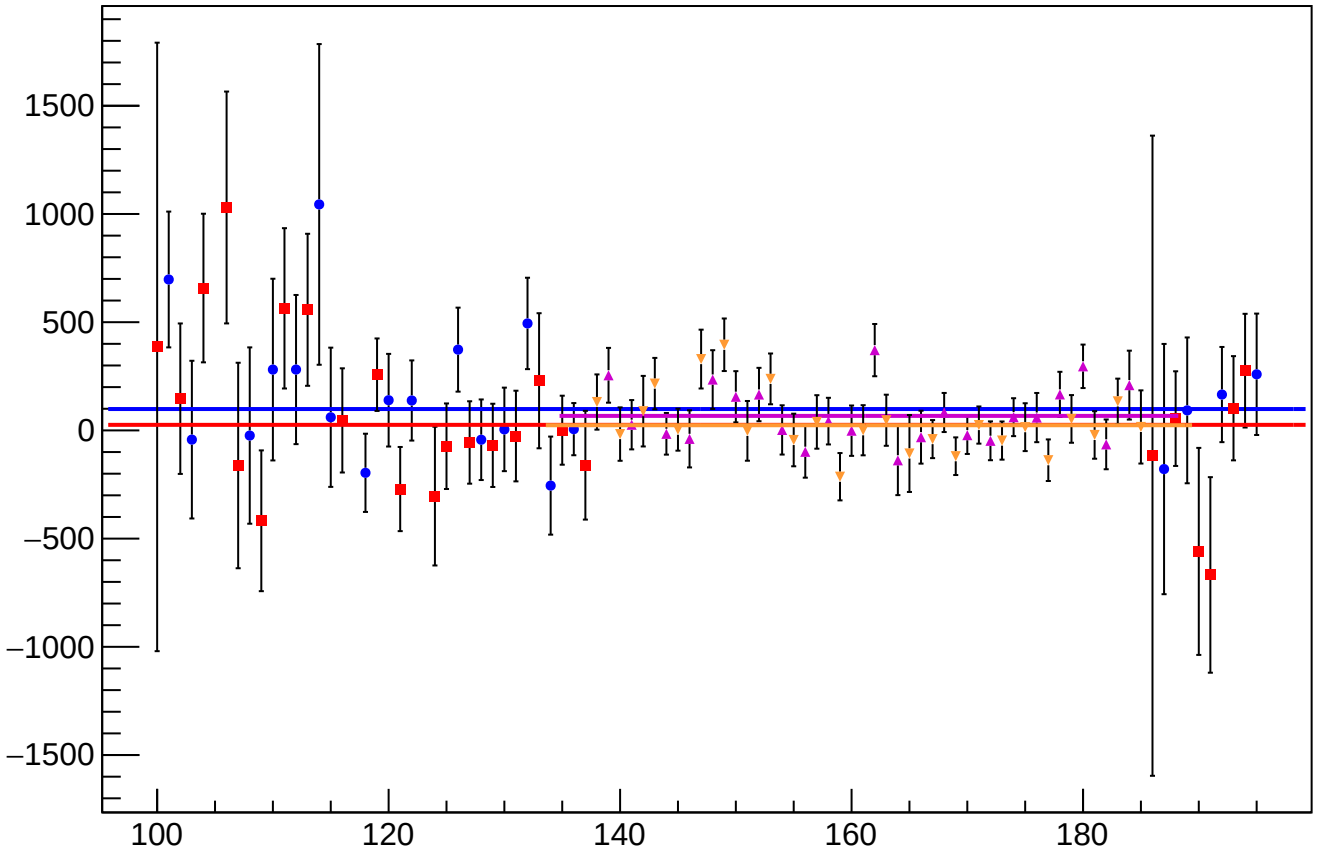
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1363.911+/-0.227 χ^2/NDF: 5367696.5/44

In: 488.139+/-0.074 χ^2/NDF:12184882.3/42

Out: 490.376+/-0.073 χ^2/NDF:14778224.7/49

All: 489.279+/-0.052 χ^2/NDF: 26963572.8/92



Right In: 98.751+/-52.052 χ^2/NDF: 18.7/19

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 25.664+/-51.988 χ^2/NDF: 25.4/24

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

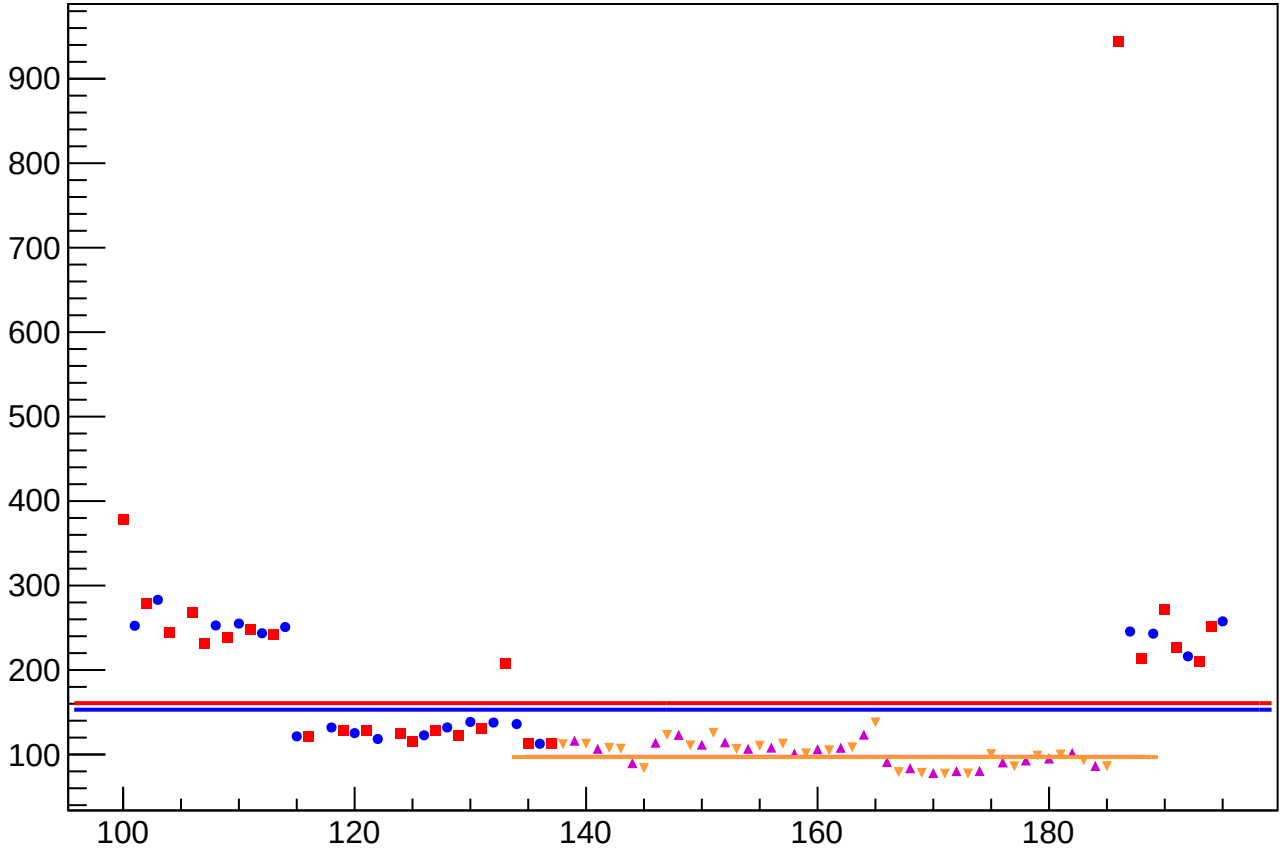
Right: 62.162+/-36.783 χ^2/NDF: 45.2/44

In: 72.304+/-21.130 χ^2/NDF:47.7/42

Out: 24.154+/-20.583 χ^2/NDF:60.6/49

All: 47.597+/-14.744 χ^2/NDF: 111.0/92

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 153.026+/-0.037 χ^2/NDF: 1984168.2/19

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 160.750+/-0.037 χ^2/NDF: 2787883.1/24

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

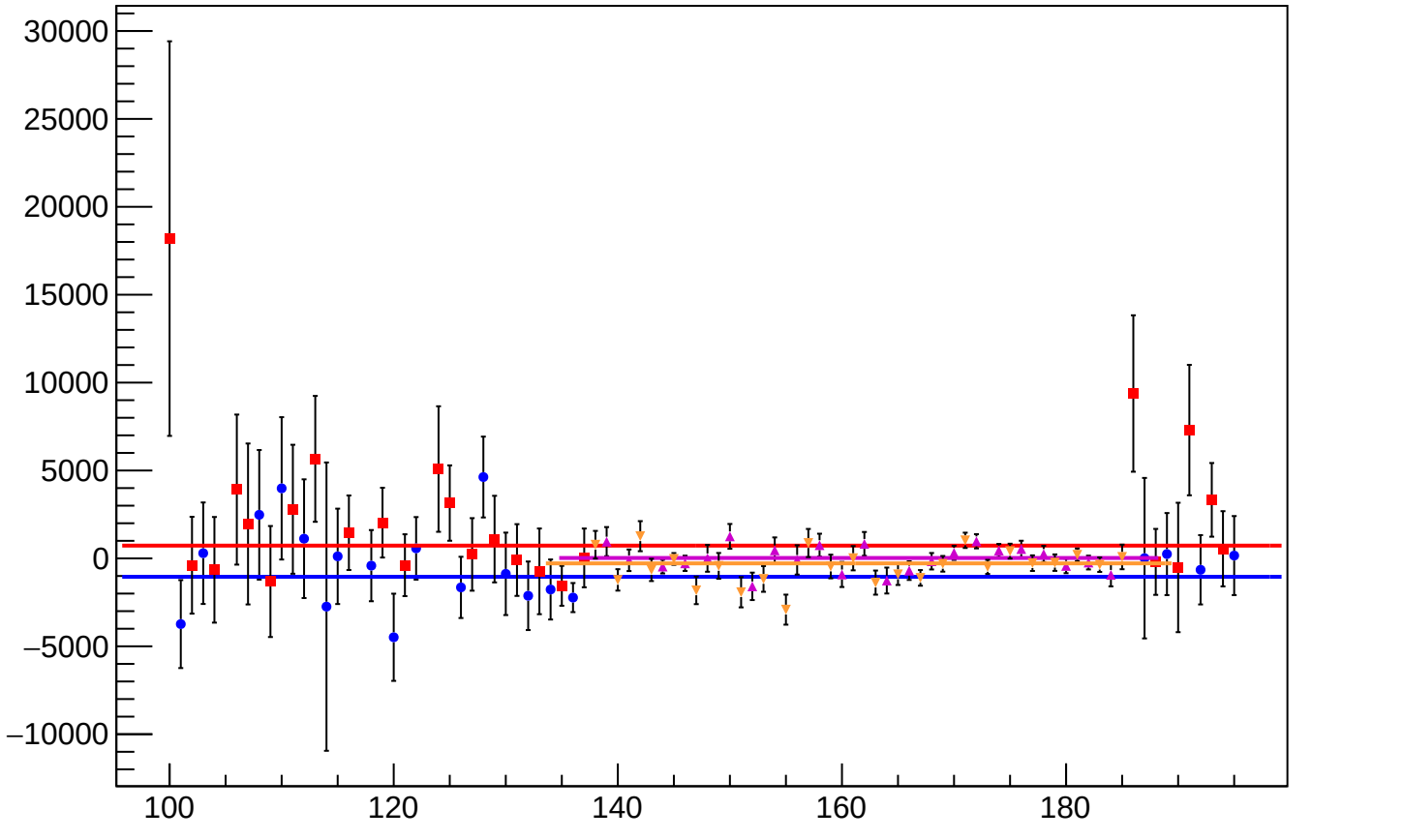
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 156.892+/-0.026 χ^2/NDF: 4794098.2/44

In: 106.372+/-0.015 χ^2/NDF:4582409.1/42

Out: 106.914+/-0.015 χ^2/NDF:6265216.8/49

All: 106.650+/-0.010 χ^2/NDF: 10848301.2/92



Right In: -1044.785+/-455.086 χ^2/NDF: 16.7/19

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 727.721+/-467.686 χ^2/NDF: 23.4/24

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

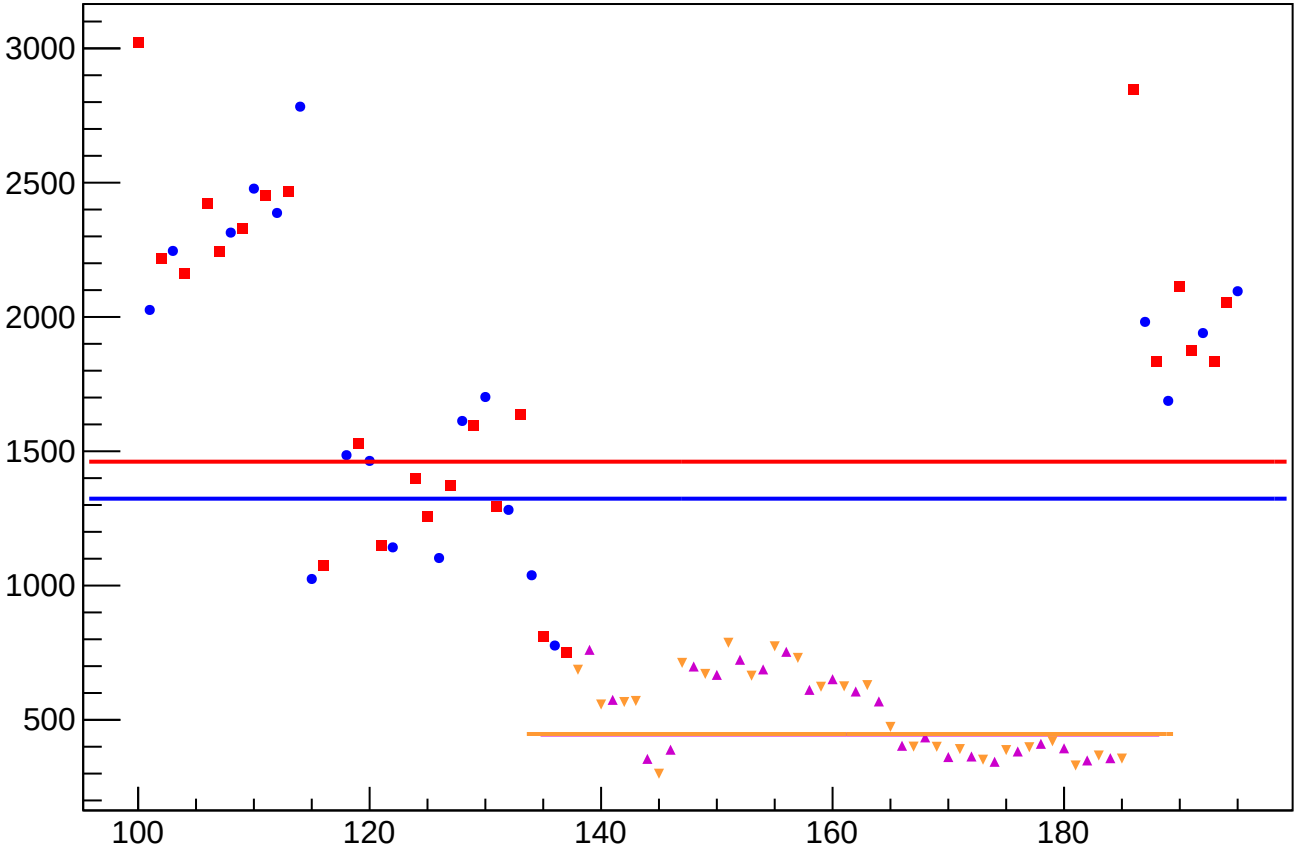
Right: -182.731+/-326.158 χ^2/NDF: 47.6/44

In: -33.278+/-105.895 χ^2/NDF:54.9/42

Out: -232.718+/-103.744 χ^2/NDF:78.3/49

All: -135.044+/-74.107 χ^2/NDF: 135.0/92

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1323.501+/-0.322 χ^2/NDF: 2562933.6/19

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1461.256+/-0.331 χ^2/NDF: 2692050.8/24

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

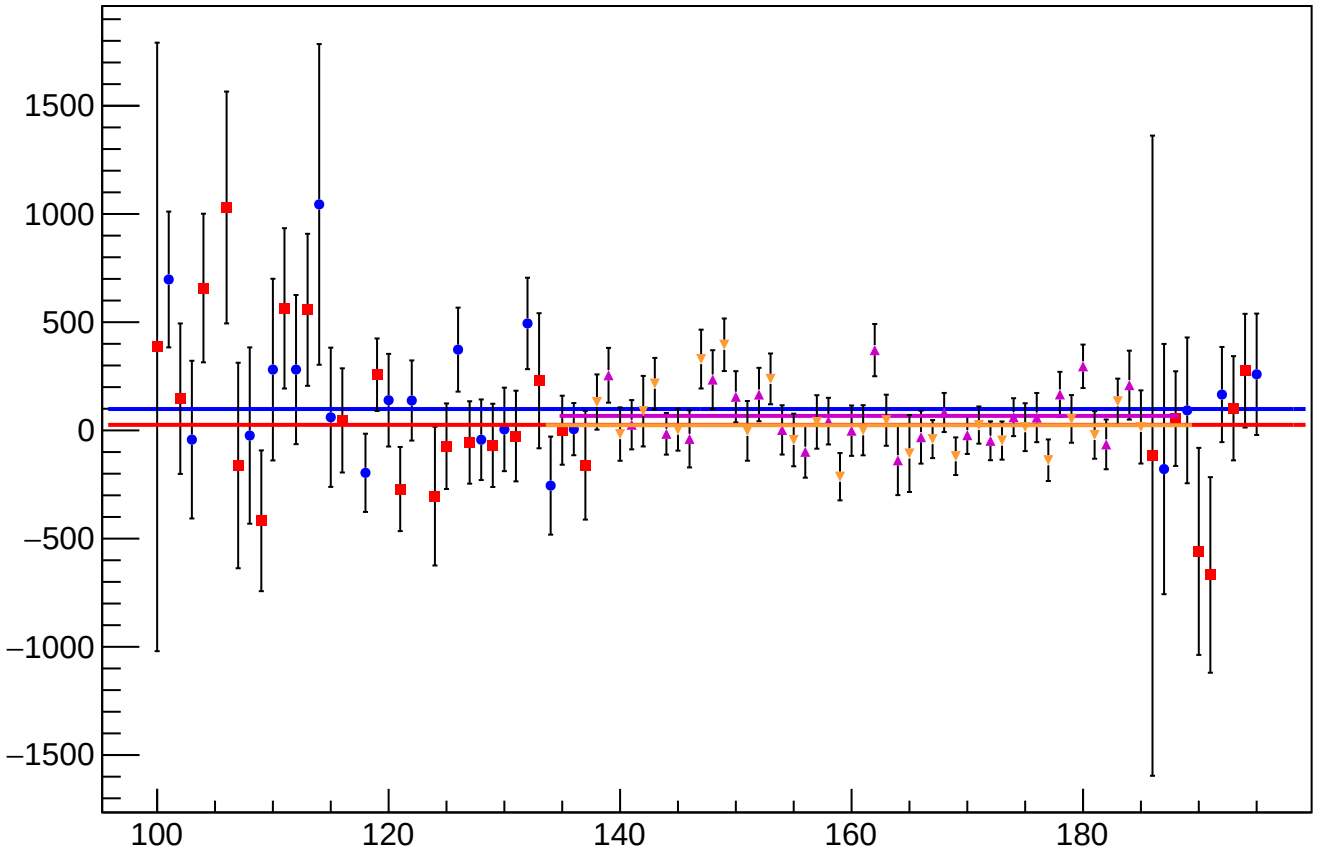
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1390.498+/-0.231 χ^2/NDF: 5344110.2/44

In: 493.032+/-0.075 χ^2/NDF:12317759.9/42

Out: 497.274+/-0.073 χ^2/NDF:14826436.8/49

All: 495.196+/-0.052 χ^2/NDF: 27145834.5/92



Right In: 98.752+/-52.052 χ^2/NDF: 18.7/19

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 25.664+/-51.987 χ^2/NDF: 25.4/24

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

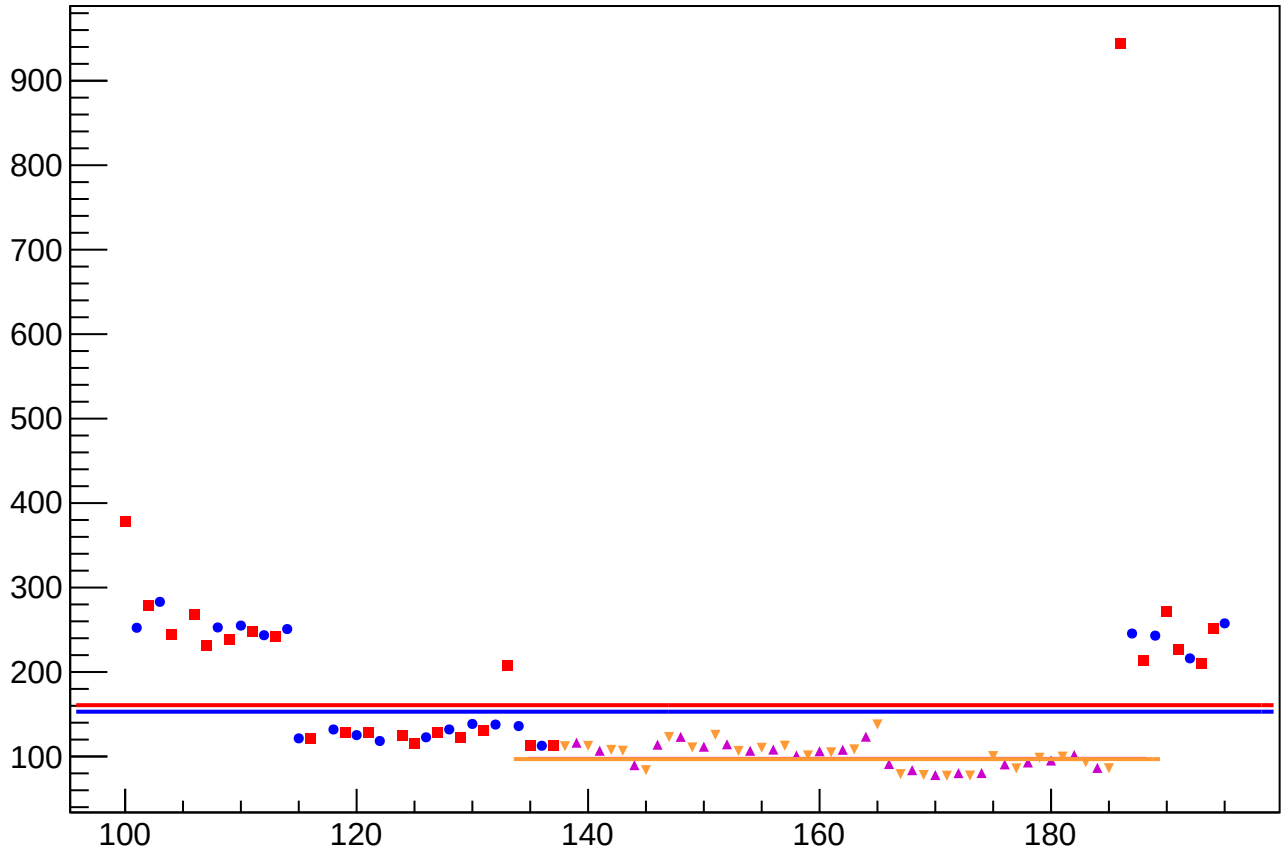
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 62.163+/-36.783 χ^2/NDF: 45.2/44

In: 72.304+/-21.130 χ^2/NDF:47.7/42

Out: 24.153+/-20.583 χ^2/NDF:60.6/49

All: 47.596+/-14.744 χ^2/NDF: 111.0/92



Right In: 153.025+/-0.037 χ^2/NDF: 1984166.8/19

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 160.749+/-0.037 χ^2/NDF: 2787877.0/24

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

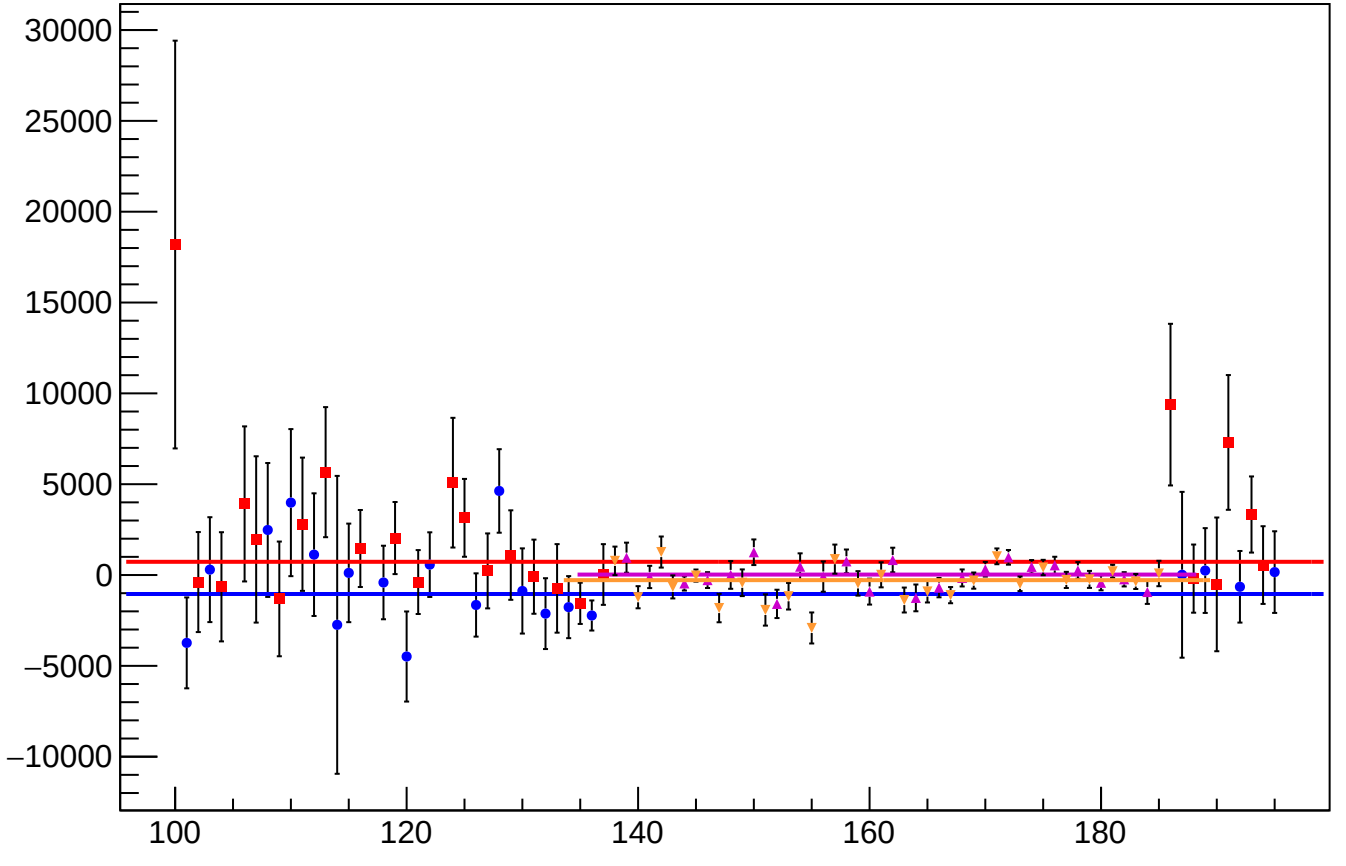
Right: 156.892+/-0.026 χ^2/NDF: 4794092.8/44

In: 106.373+/-0.015 χ^2/NDF:4582337.6/42

Out: 106.915+/-0.015 χ^2/NDF:6265165.9/49

All: 106.651+/-0.010 χ^2/NDF: 10848178.6/92

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1044.782+/-455.085 χ^2/NDF: 16.7/19

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 727.723+/-467.685 χ^2/NDF: 23.4/24

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

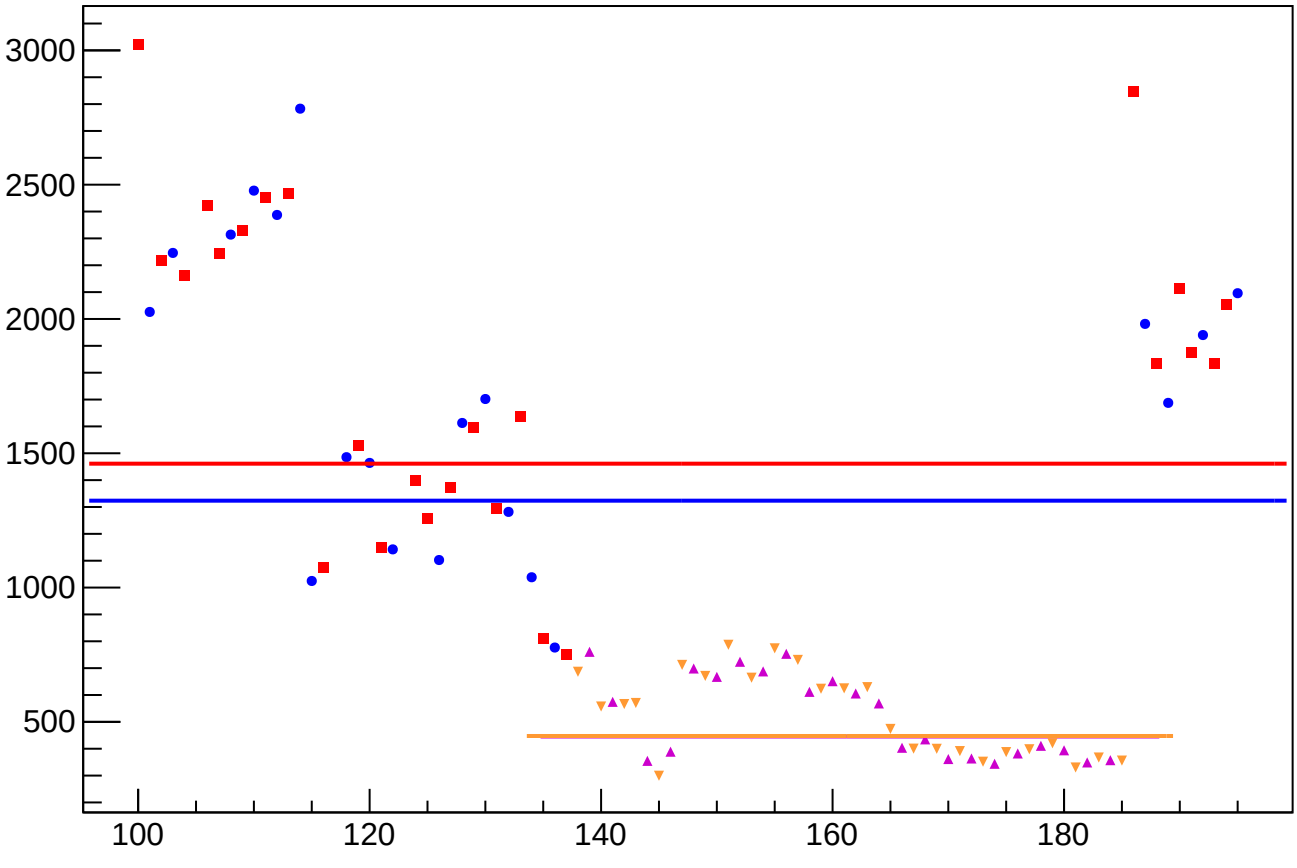
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -182.728+/-326.157 χ^2/NDF: 47.6/44

In: -33.278+/-105.895 χ^2/NDF:54.9/42

Out: -232.717+/-103.743 χ^2/NDF:78.3/49

All: -135.044+/-74.107 χ^2/NDF: 135.0/92



Right In: 1323.501+/-0.322 χ^2/NDF: 2562915.1/19

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1461.255+/-0.331 χ^2/NDF: 2692036.5/24

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

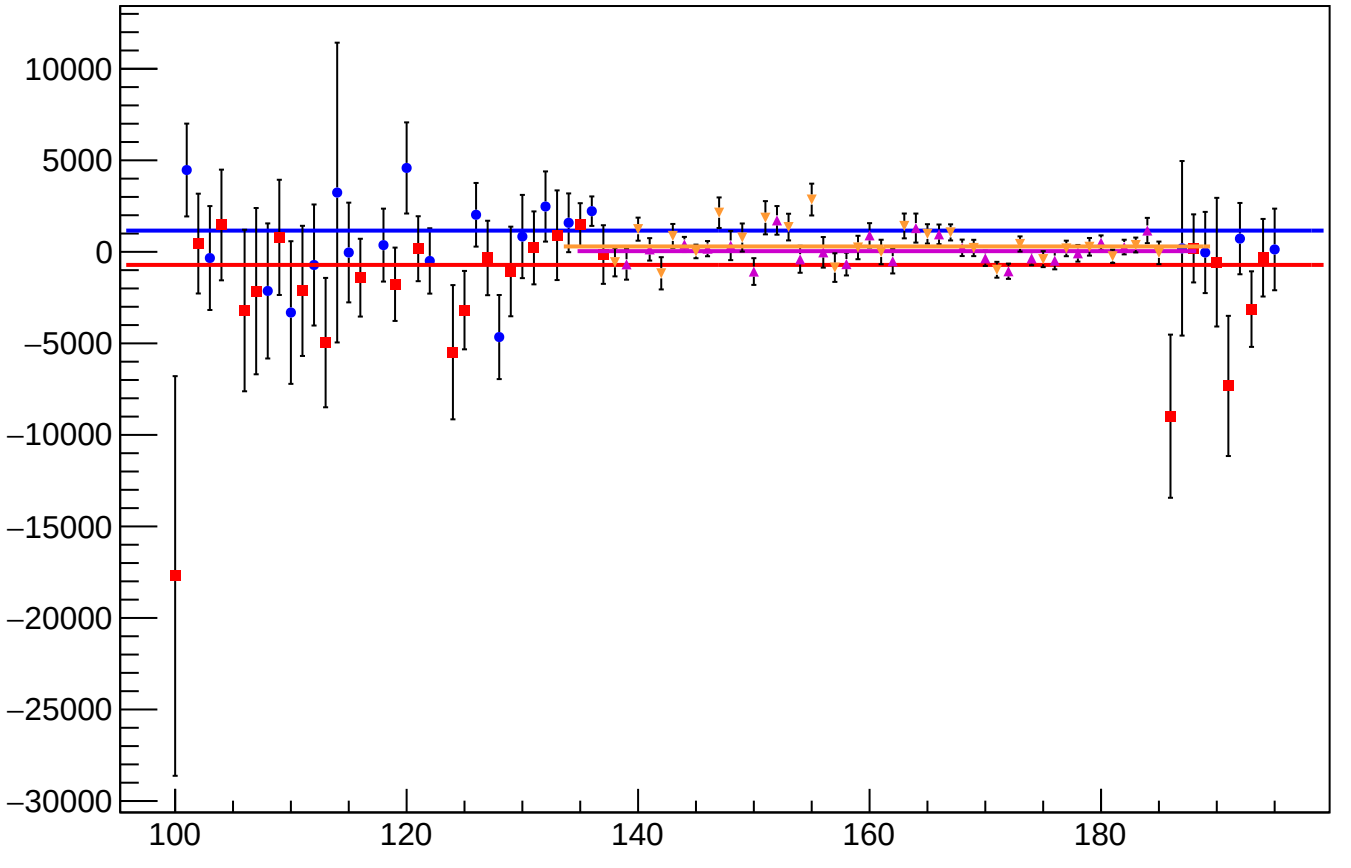
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1390.497+/-0.231 χ^2/NDF: 5344077.4/44

In: 493.031+/-0.075 χ^2/NDF:12317759.5/42

Out: 497.273+/-0.073 χ^2/NDF:14826454.6/49

All: 495.196+/-0.052 χ^2/NDF: 27145851.8/92



Right In: 1160.424+/-446.452 χ^2/NDF: 17.1/19

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -713.550+/-467.223 χ^2/NDF: 21.4/24

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

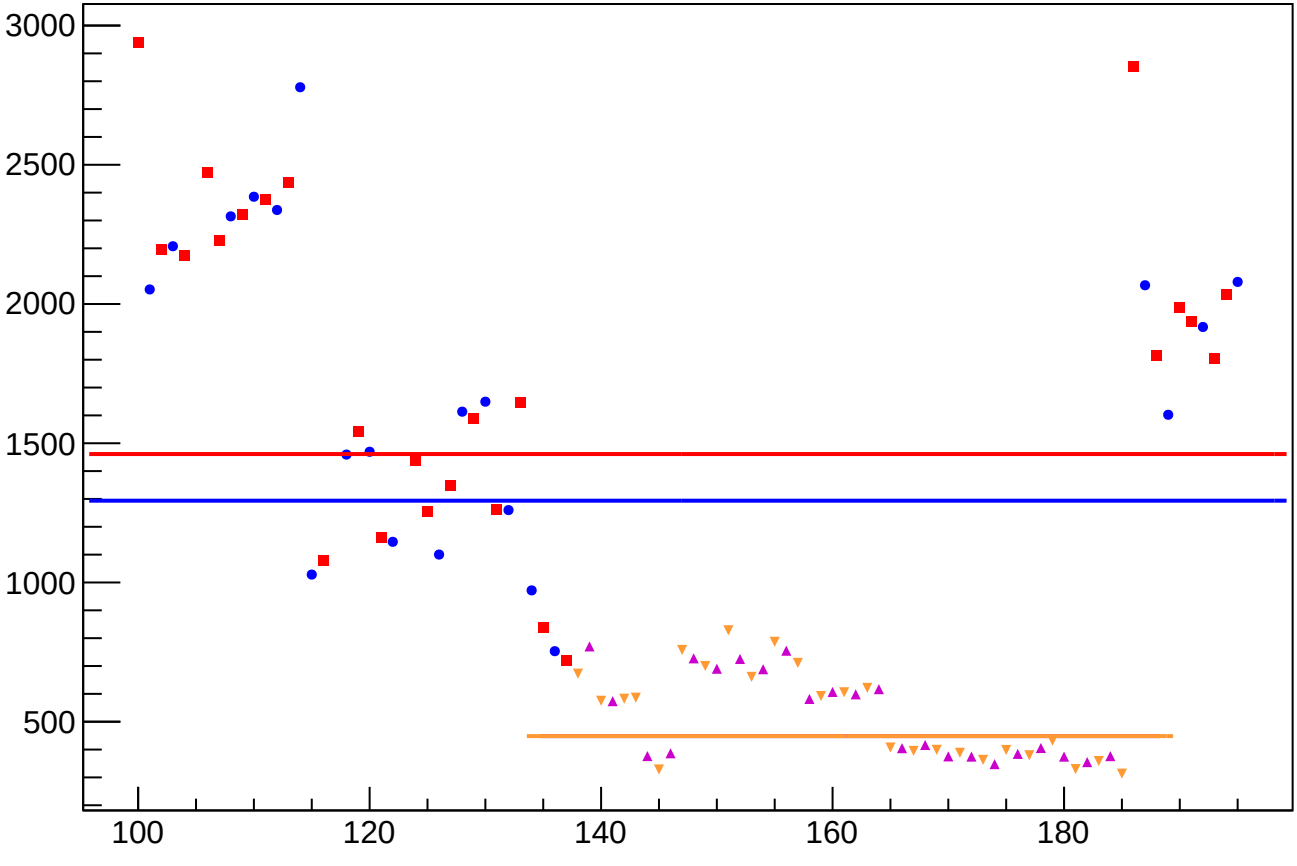
Right: 266.017+/-322.783 χ^2/NDF: 47.0/44

In: 101.587+/-106.179 χ^2/NDF:56.0/42

Out: 244.917+/-104.124 χ^2/NDF:76.4/49

All: 174.653+/-74.343 χ^2/NDF: 133.3/92

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1293.737+/-0.316 χ^2/NDF: 2658277.3/19

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1461.211+/-0.330 χ^2/NDF: 2611187.7/24

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

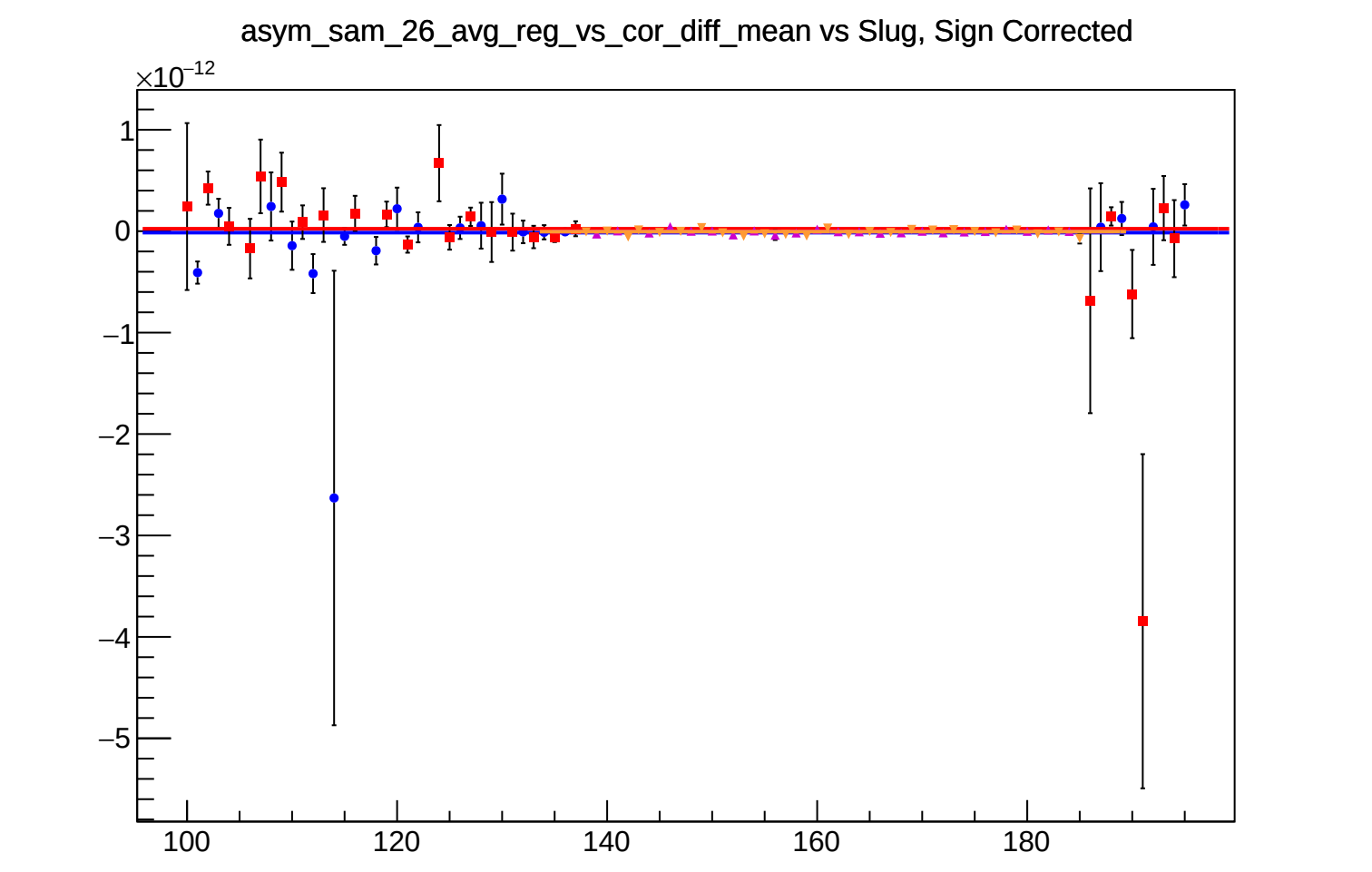
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1373.668+/-0.228 χ^2/NDF: 5403786.8/44

In: 496.211+/-0.075 χ^2/NDF:12043852.4/42

Out: 498.585+/-0.074 χ^2/NDF:14701531.1/49

All: 497.422+/-0.053 χ^2/NDF: 26745893.2/92



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/24

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

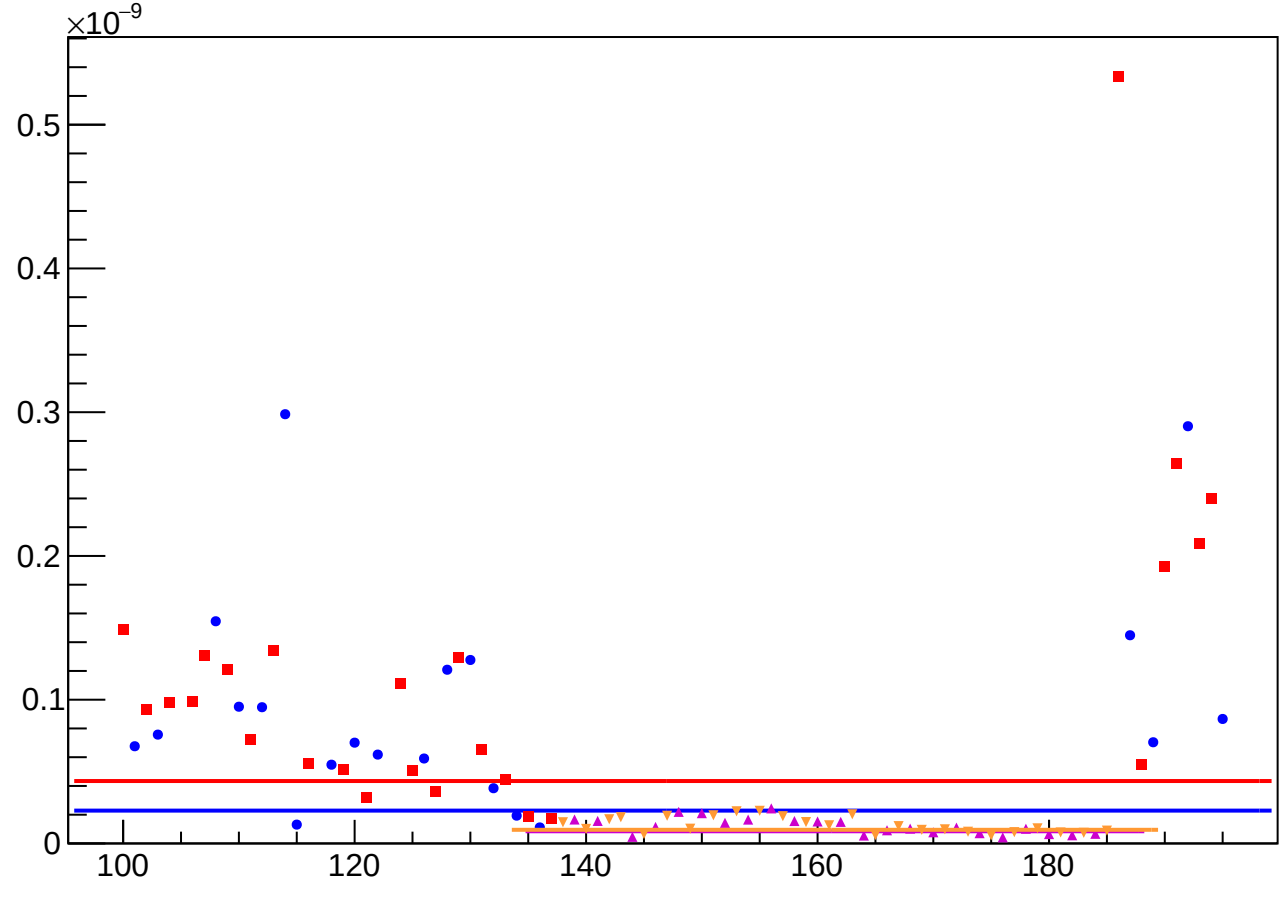
Right: -0.000+/-0.000 χ^2/NDF: 67.0/44

In: -0.000+/-0.000 χ^2/NDF:46.5/42

Out: -0.000+/-0.000 χ^2/NDF:60.4/49

All: -0.000+/-0.000 χ^2/NDF: 106.9/92

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4944597.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3900570.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

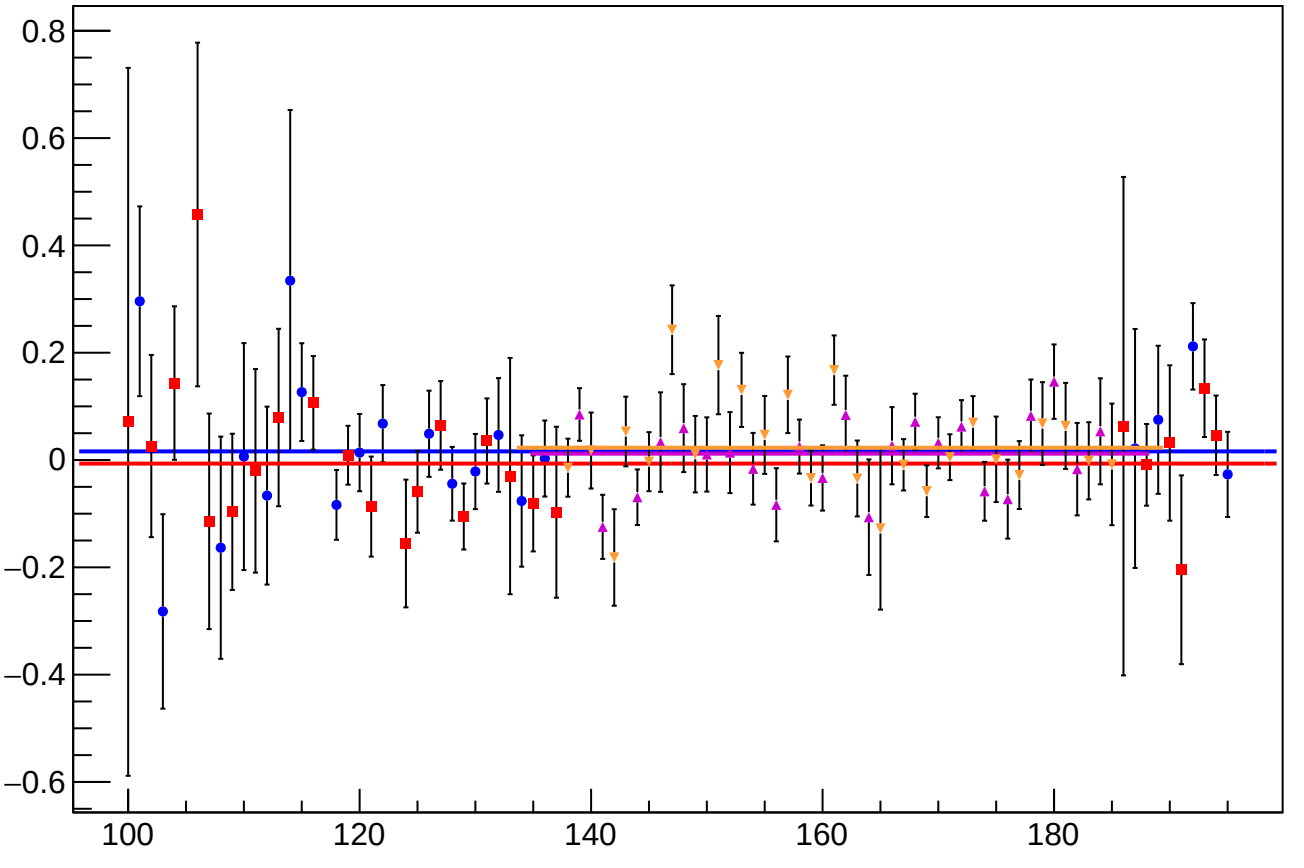
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9697034.7/44

In: 0.000+/-0.000 χ^2/NDF:8959075.3/42

Out: 0.000+/-0.000 χ^2/NDF:9613314.5/49

All: 0.000+/-0.000 χ^2/NDF: 18660667.4/92



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/19

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.007+/-0.021 χ^2/NDF: 17.6/24

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

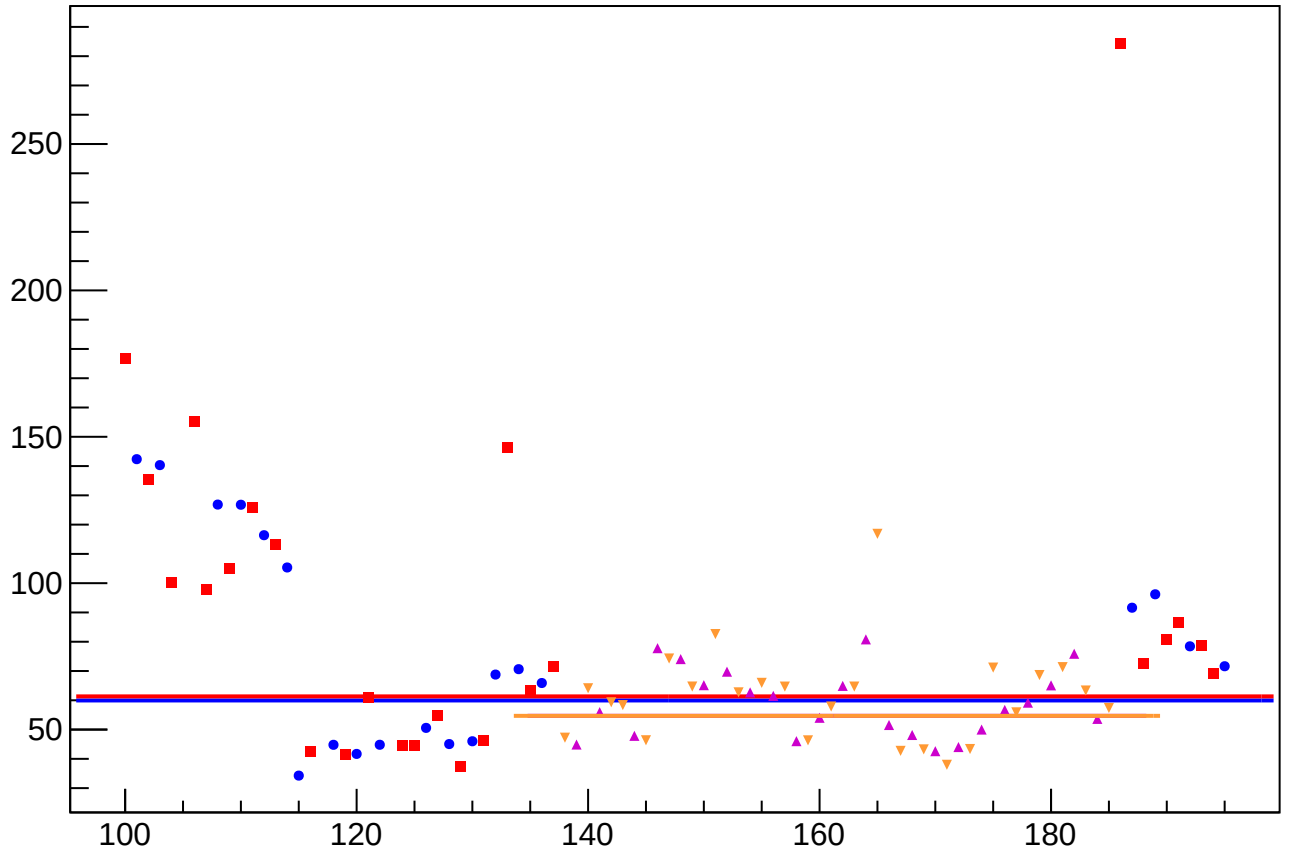
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.004+/-0.015 χ^2/NDF: 38.1/44

In: 0.013+/-0.011 χ^2/NDF:45.8/42

Out: 0.015+/-0.011 χ^2/NDF:53.3/49

All: 0.014+/-0.008 χ^2/NDF: 99.1/92



Right In: 59.944+/-0.015 χ^2/NDF: 2564831.6/19

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 61.332+/-0.015 χ^2/NDF: 3305895.2/24

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

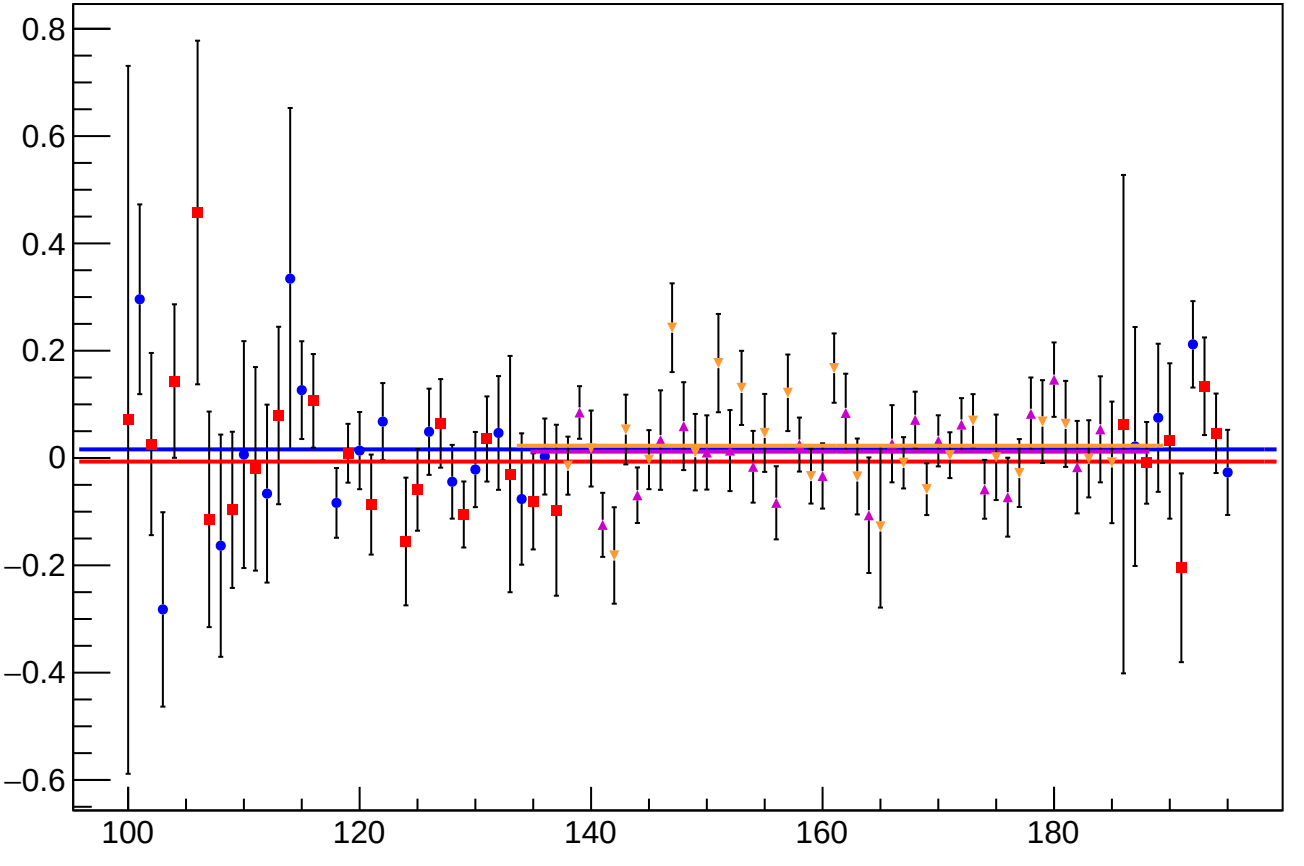
Right: 60.662+/-0.010 χ^2/NDF: 5875132.5/44

In: 56.158+/-0.008 χ^2/NDF:3843528.8/42

Out: 56.571+/-0.008 χ^2/NDF:5392344.9/49

All: 56.370+/-0.006 χ^2/NDF: 9237257.5/92

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/19

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.007+/-0.021 χ^2/NDF: 17.6/24

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

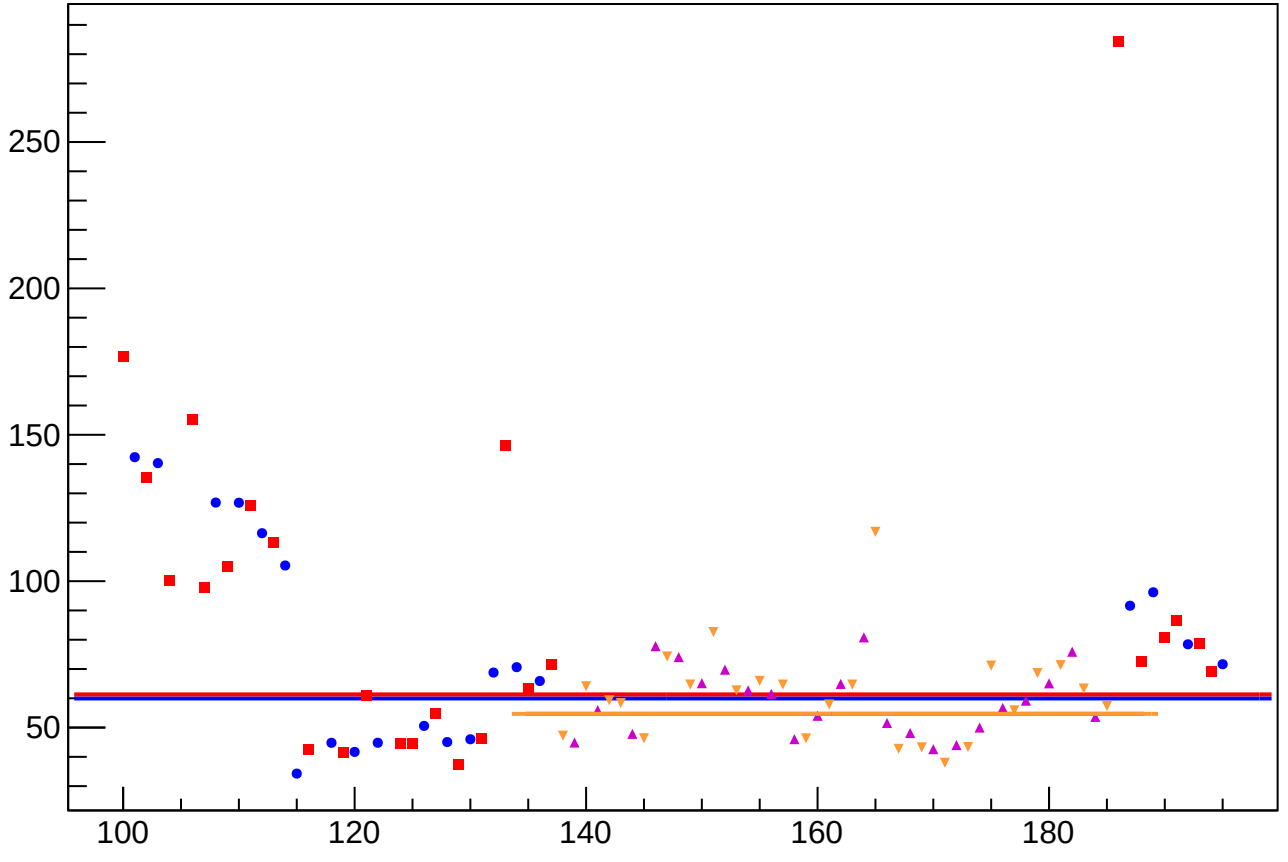
Right: 0.004+/-0.015 χ^2/NDF: 38.1/44

In: 0.013+/-0.011 χ^2/NDF:45.8/42

Out: 0.015+/-0.011 χ^2/NDF:53.3/49

All: 0.014+/-0.008 χ^2/NDF: 99.1/92

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.944+/-0.015 χ^2/NDF: 2564831.6/19

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 61.332+/-0.015 χ^2/NDF: 3305895.2/24

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

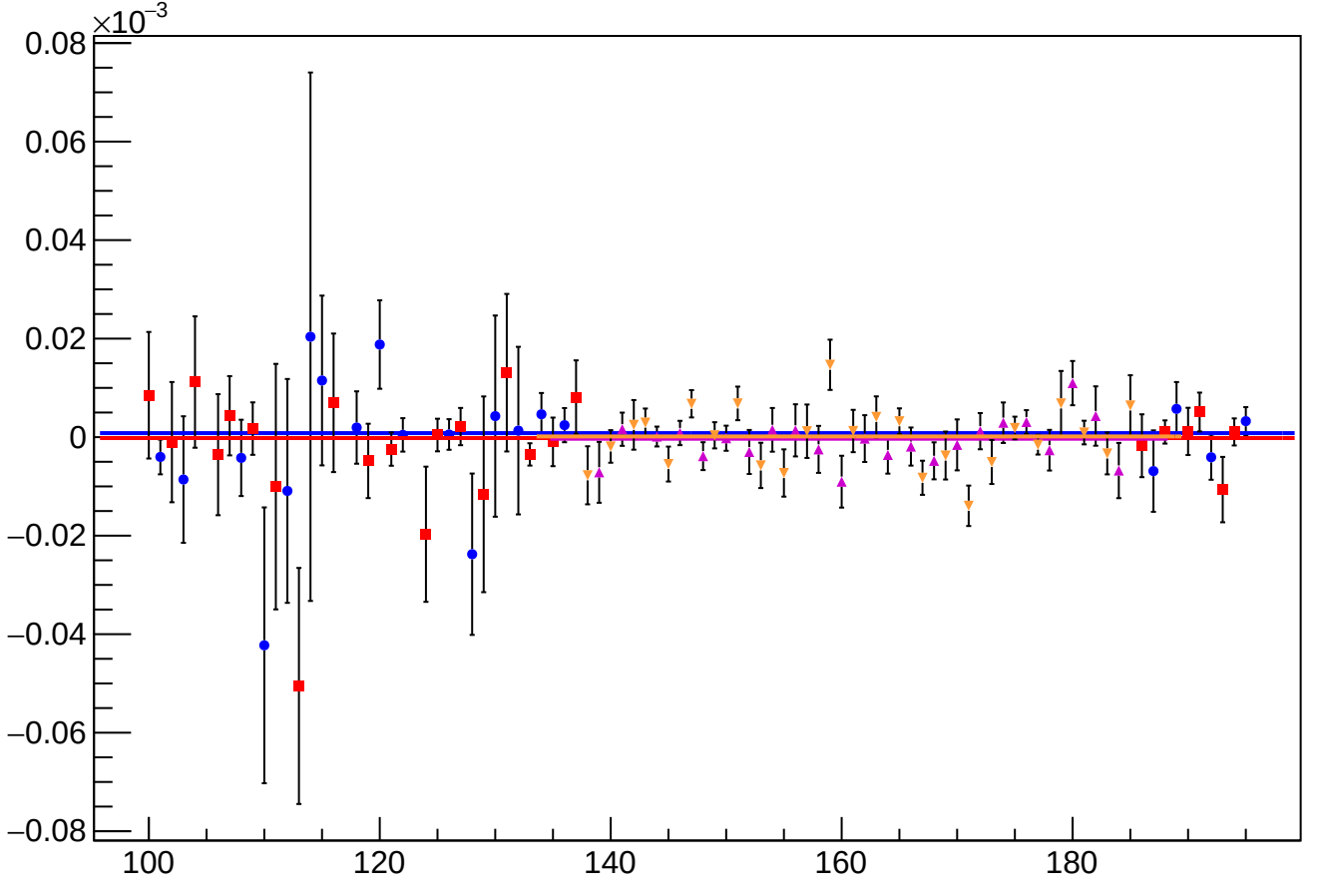
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 60.662+/-0.010 χ^2/NDF: 5875132.5/44

In: 56.158+/-0.008 χ^2/NDF:3843528.8/42

Out: 56.571+/-0.008 χ^2/NDF:5392344.9/49

All: 56.370+/-0.006 χ^2/NDF: 9237257.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/24

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

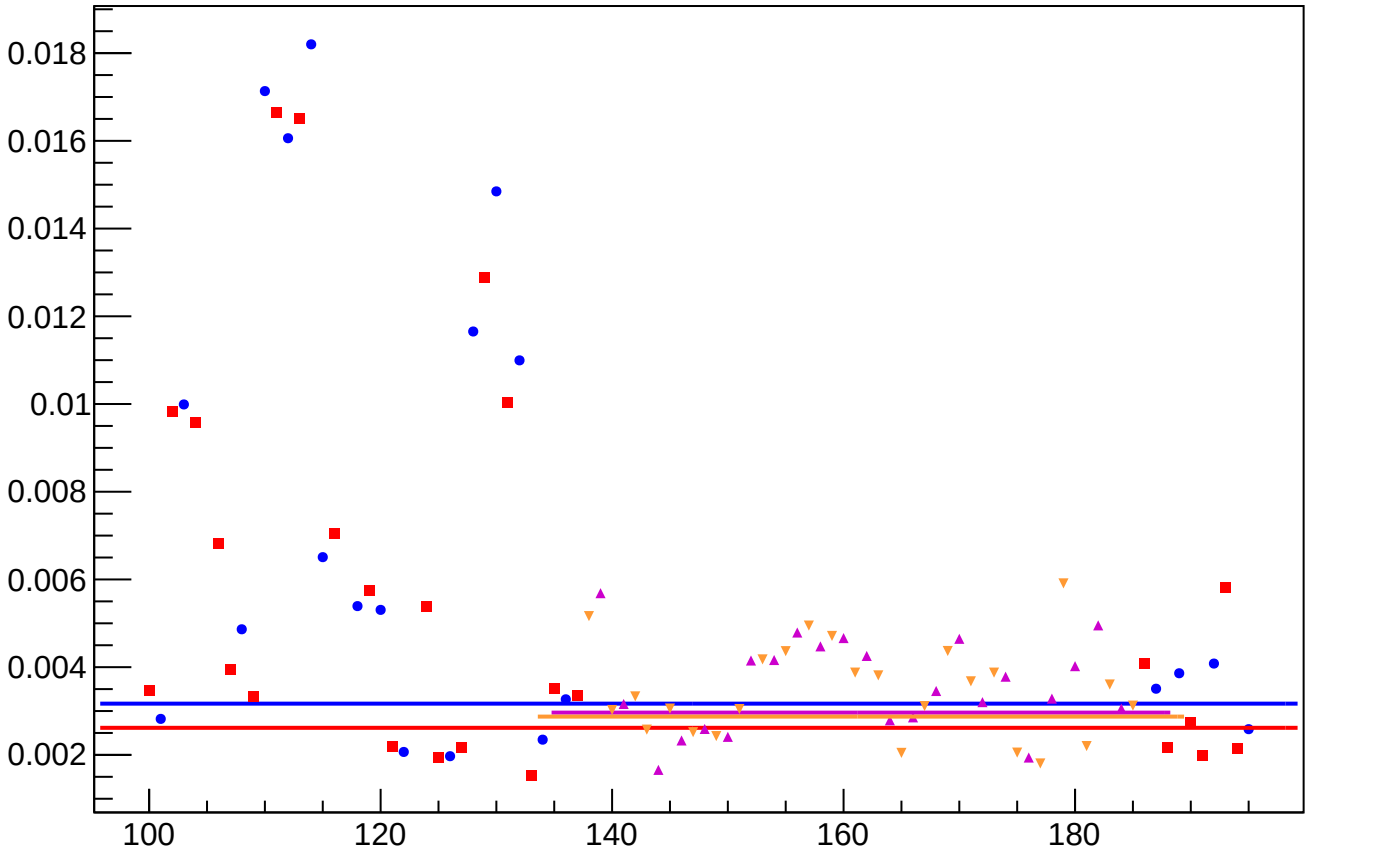
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 36.4/44

In: 0.000+/-0.000 χ^2/NDF:38.2/42

Out: 0.000+/-0.000 χ^2/NDF:72.9/49

All: 0.000+/-0.000 χ^2/NDF: 111.2/92



Right In: 0.003+/-0.000 χ^2/NDF: 4745327.9/19

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5913979.4/24

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

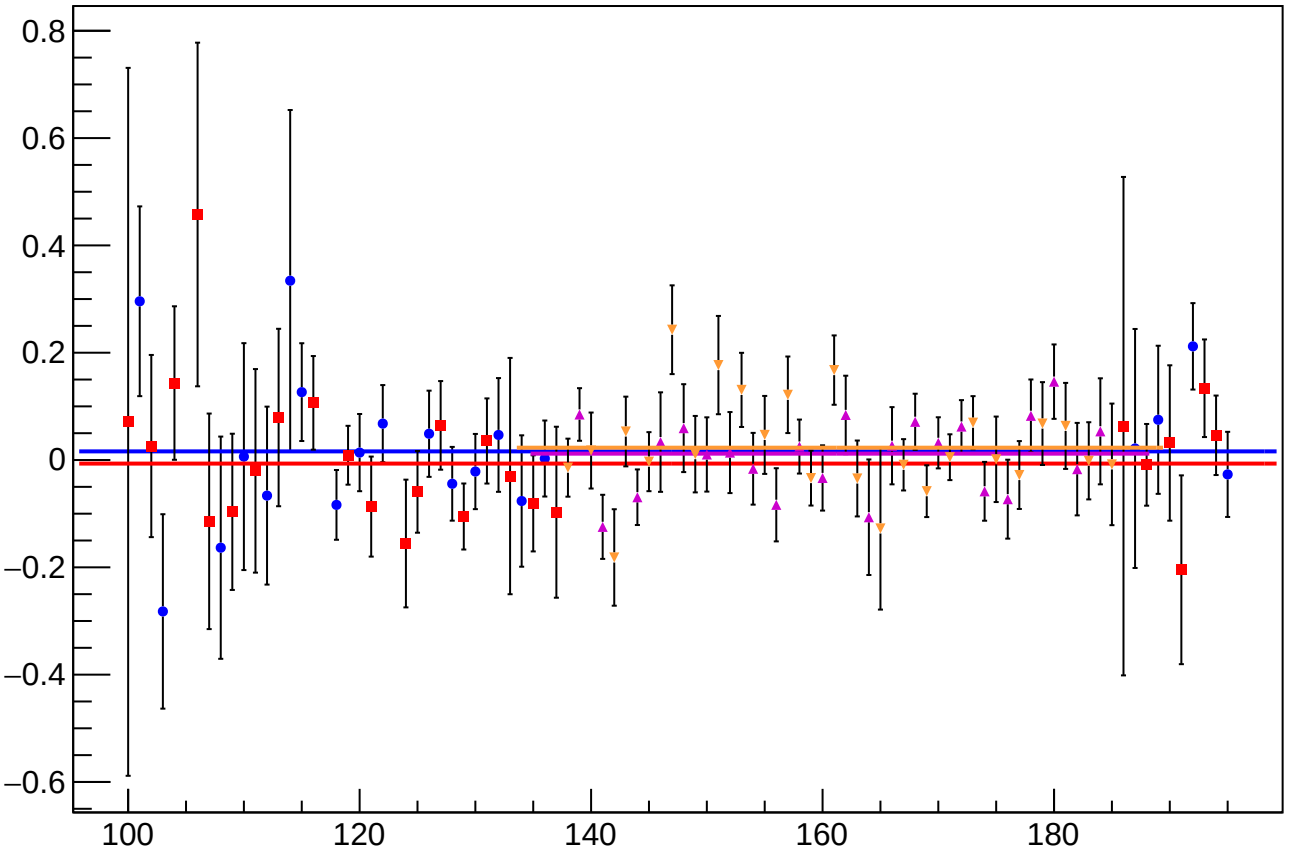
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 10917196.7/44

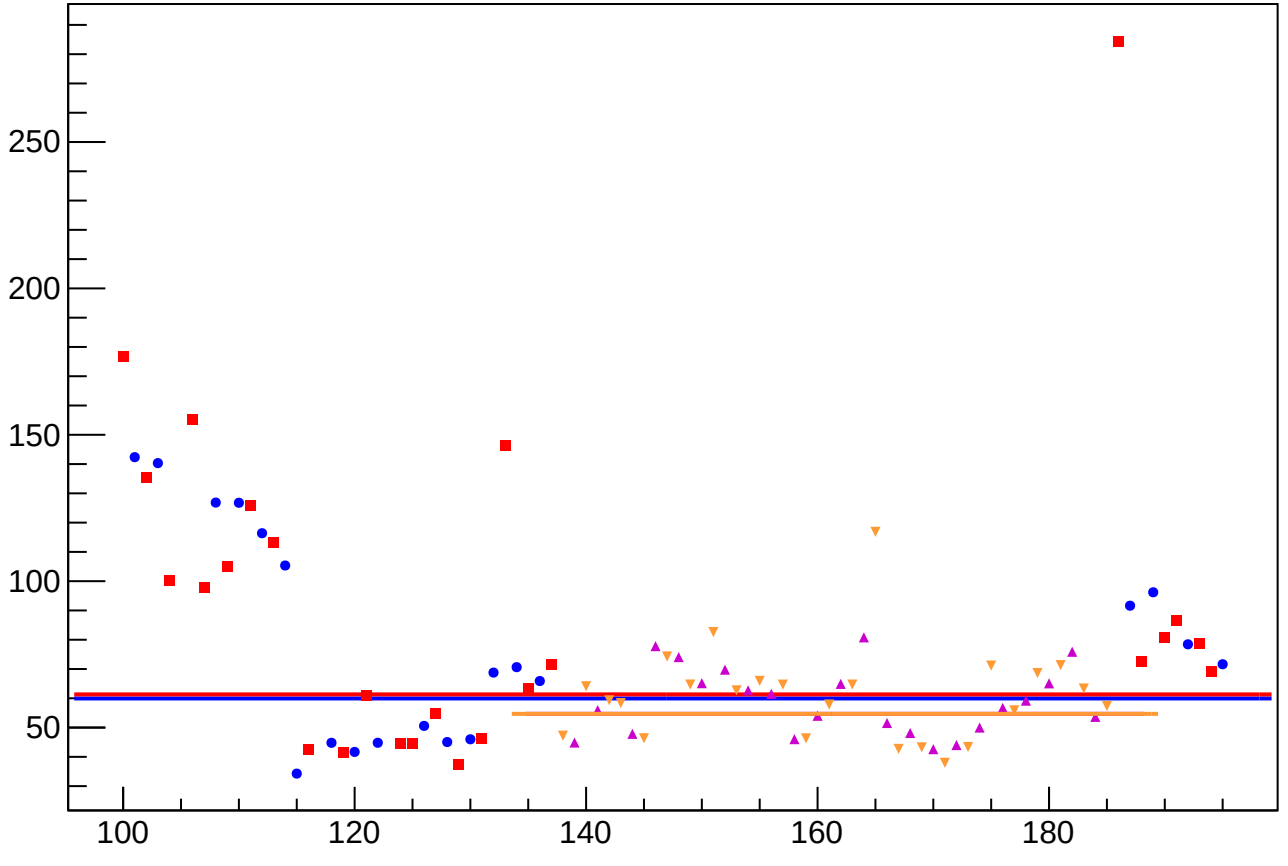
In: 0.003+/-0.000 χ^2/NDF:8406266.0/42

Out: 0.003+/-0.000 χ^2/NDF:9609728.3/49

All: 0.003+/-0.000 χ^2/NDF: 18170804.8/92


asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: 0.016+/-0.021 χ²/NDF: 19.9/19
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.007+/-0.021 χ²/NDF: 17.6/24
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: 0.004+/-0.015 χ²/NDF: 38.1/44
In: 0.013+/-0.011 χ²/NDF:45.8/42
Out: 0.015+/-0.011 χ²/NDF:53.3/49
All: 0.014+/-0.008 χ²/NDF: 99.1/92

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.944+/-0.015 χ^2/NDF: 2564795.8/19

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 61.332+/-0.015 χ^2/NDF: 3305864.0/24

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

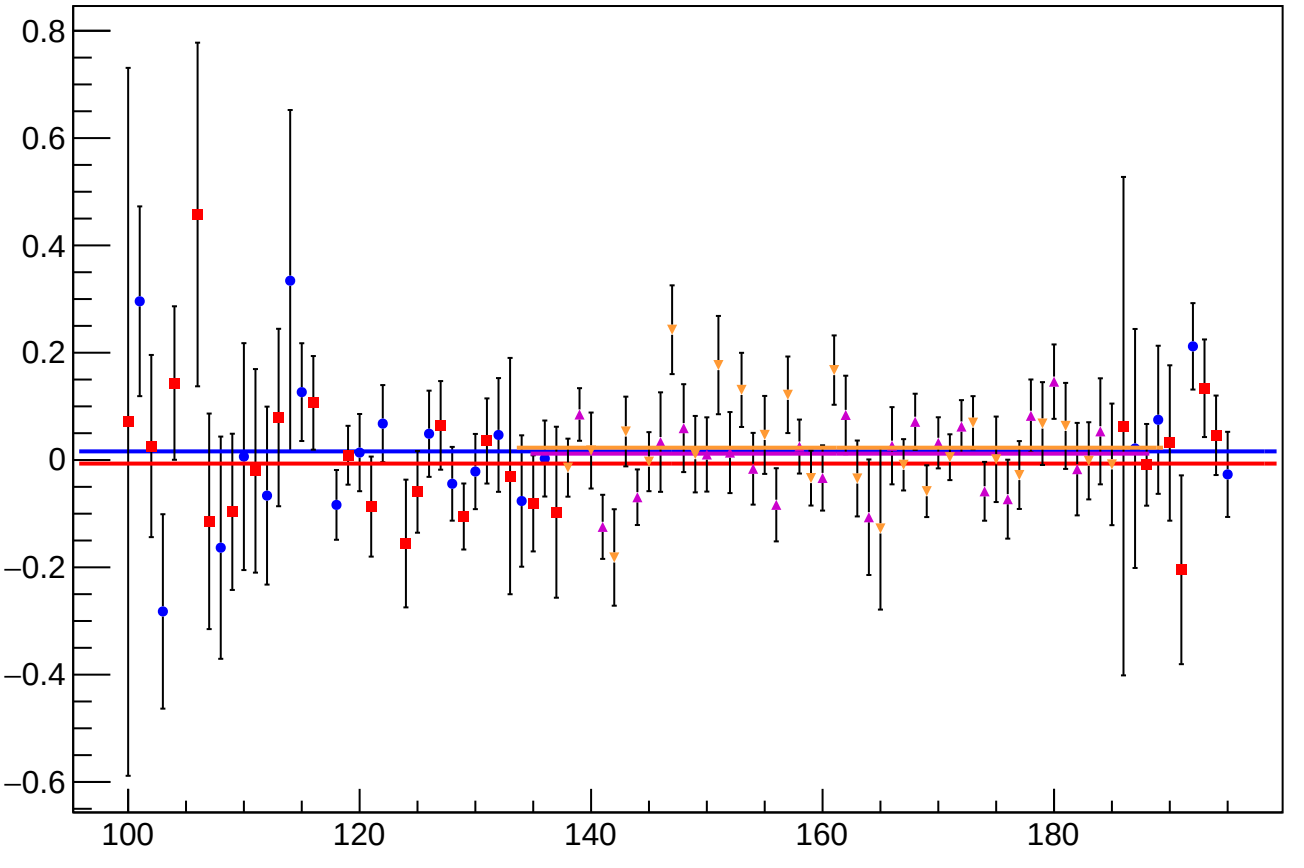
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 60.662+/-0.010 χ^2/NDF: 5875064.8/44

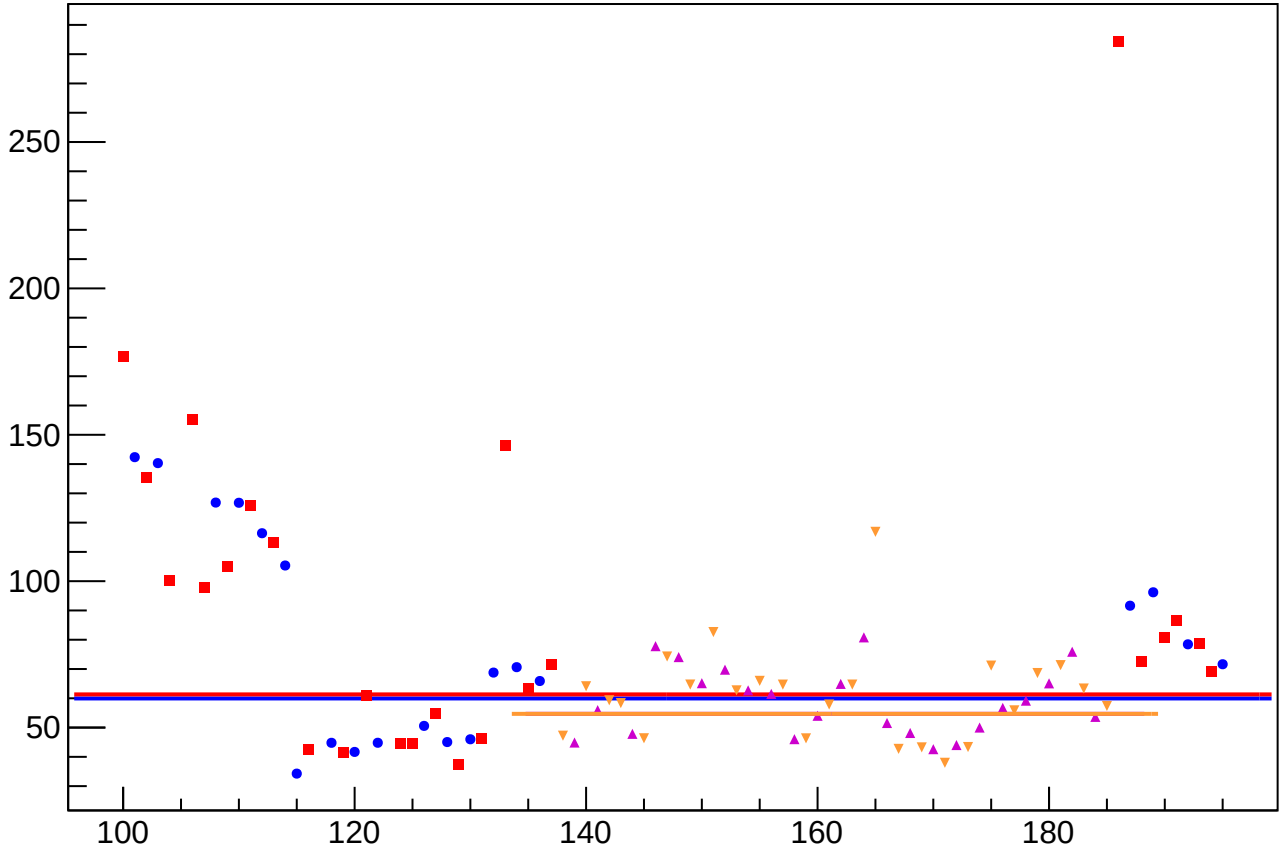
In: 56.159+/-0.008 χ^2/NDF:3843433.0/42

Out: 56.571+/-0.008 χ^2/NDF:5392271.2/49

All: 56.371+/-0.006 χ^2/NDF: 9237087.2/92


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: 0.016+/-0.021 χ²/NDF: 19.9/19
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.007+/-0.021 χ²/NDF: 17.6/24
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: 0.004+/-0.015 χ²/NDF: 38.1/44
In: 0.013+/-0.011 χ²/NDF:45.8/42
Out: 0.015+/-0.011 χ²/NDF:53.3/49
All: 0.014+/-0.008 χ²/NDF: 99.1/92

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.944+/-0.015 χ^2/NDF: 2564795.8/19

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 61.332+/-0.015 χ^2/NDF: 3305864.0/24

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

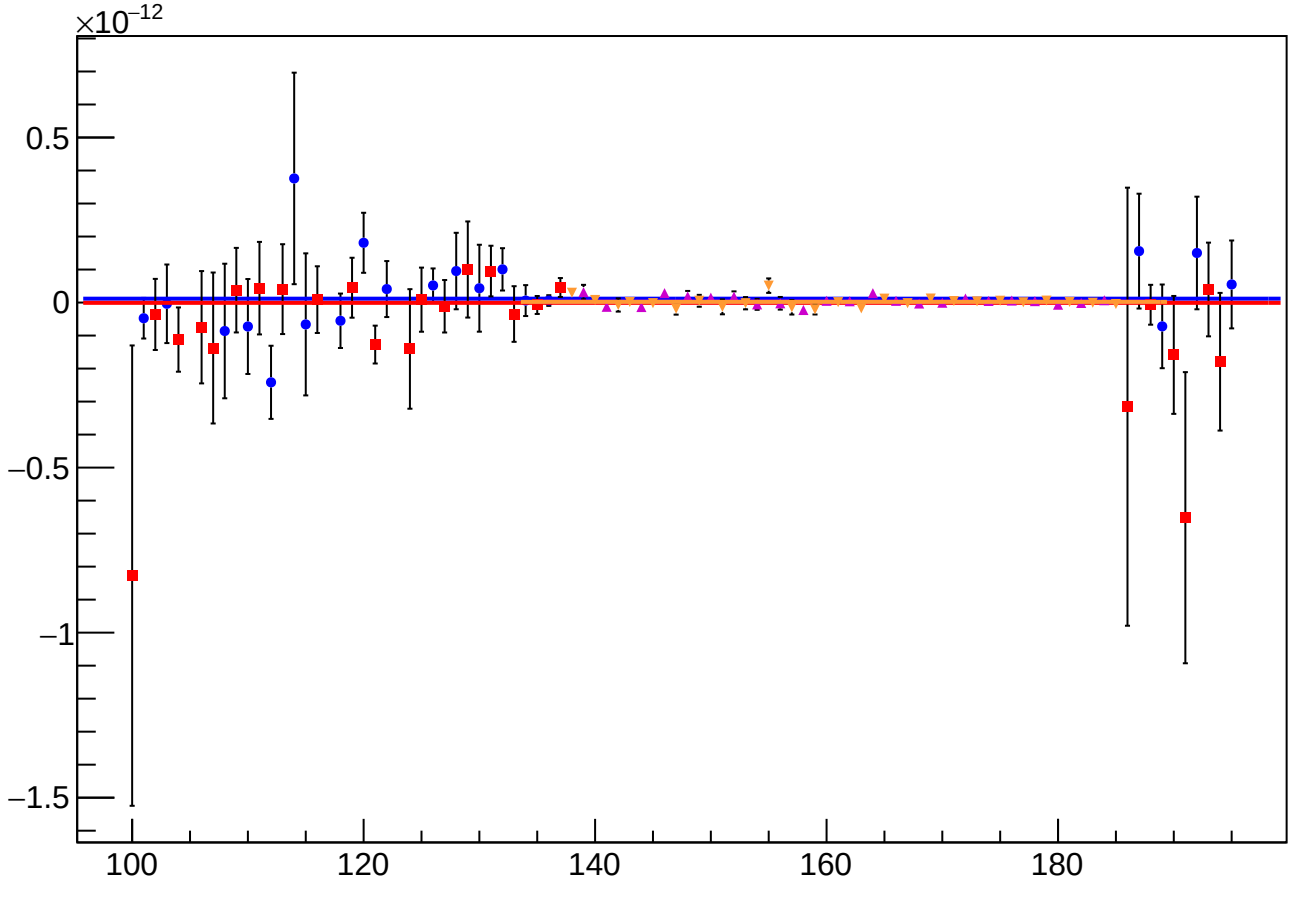
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 60.662+/-0.010 χ^2/NDF: 5875064.8/44

In: 56.159+/-0.008 χ^2/NDF:3843433.0/42

Out: 56.571+/-0.008 χ^2/NDF:5392271.2/49

All: 56.371+/-0.006 χ^2/NDF: 9237087.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 17.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/24

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

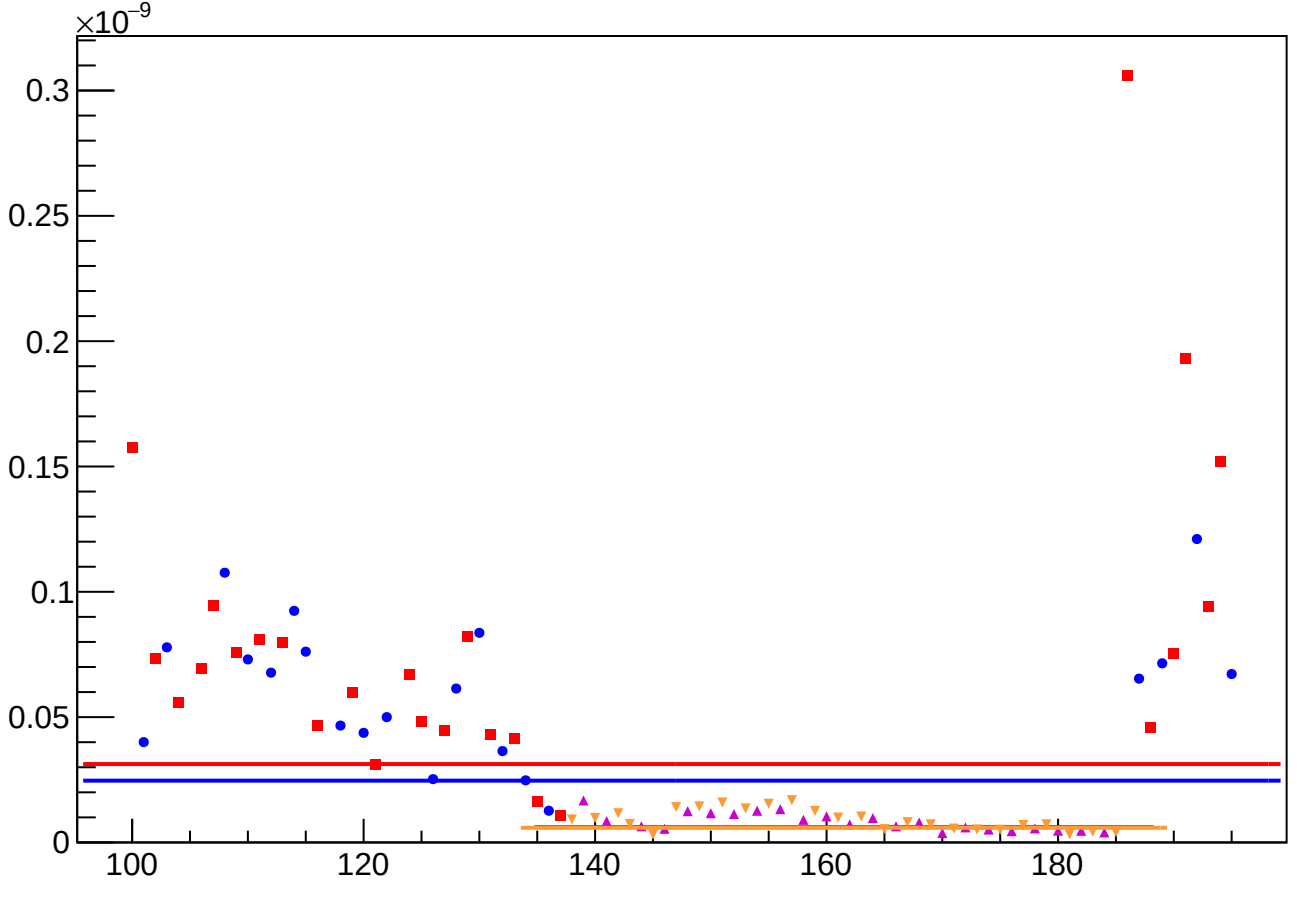
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 36.3/44

In: 0.000+/-0.000 χ^2/NDF:51.1/42

Out: 0.000+/-0.000 χ^2/NDF:39.1/49

All: 0.000+/-0.000 χ^2/NDF: 90.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 4990747.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5810148.3/24

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

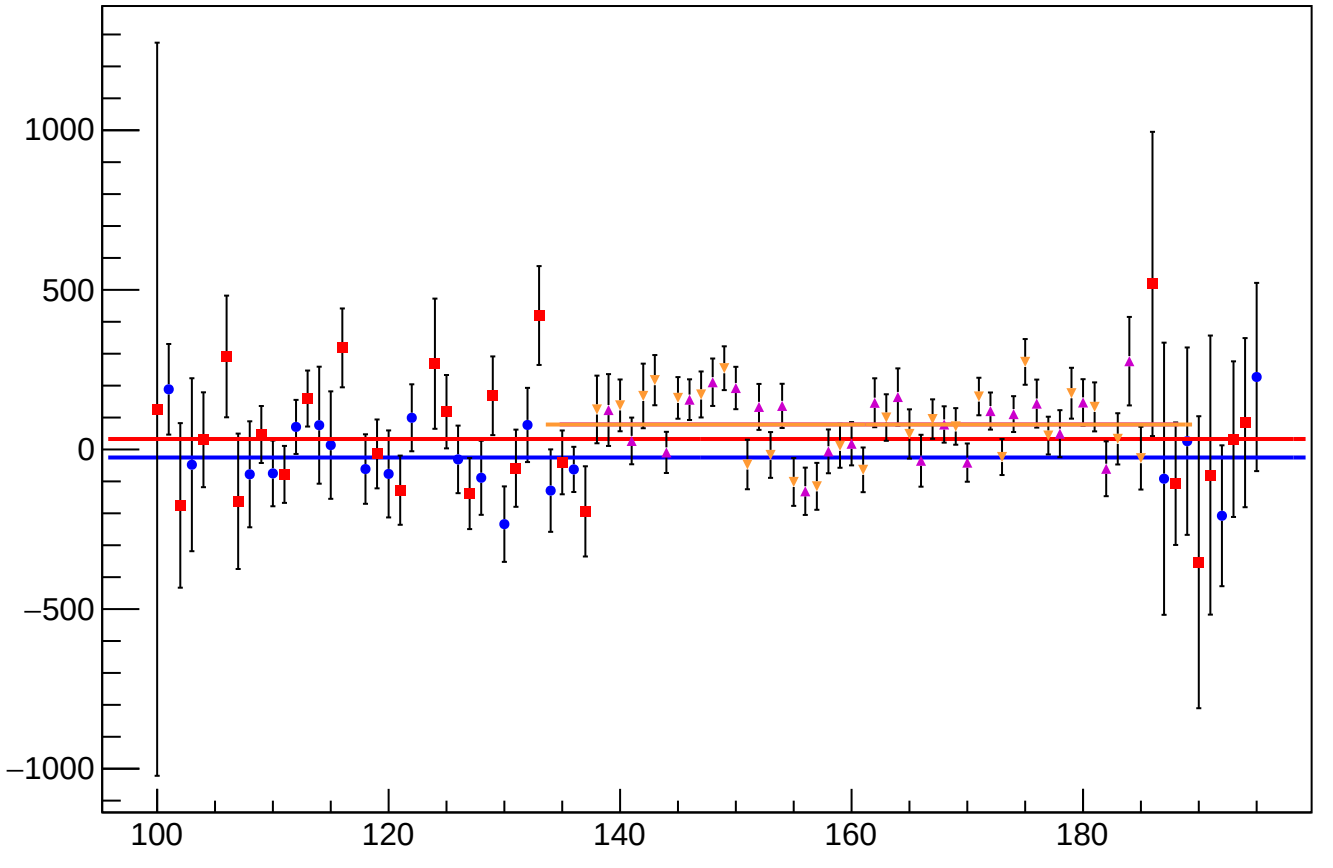
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11030131.9/44

In: 0.000+/-0.000 χ^2/NDF:12422257.5/42

Out: 0.000+/-0.000 χ^2/NDF:17135058.8/49

All: 0.000+/-0.000 χ^2/NDF: 29580046.9/92



Right In: -25.150+/-28.336 χ^2/NDF: 12.5/19

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 32.843+/-27.653 χ^2/NDF: 32.5/24

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

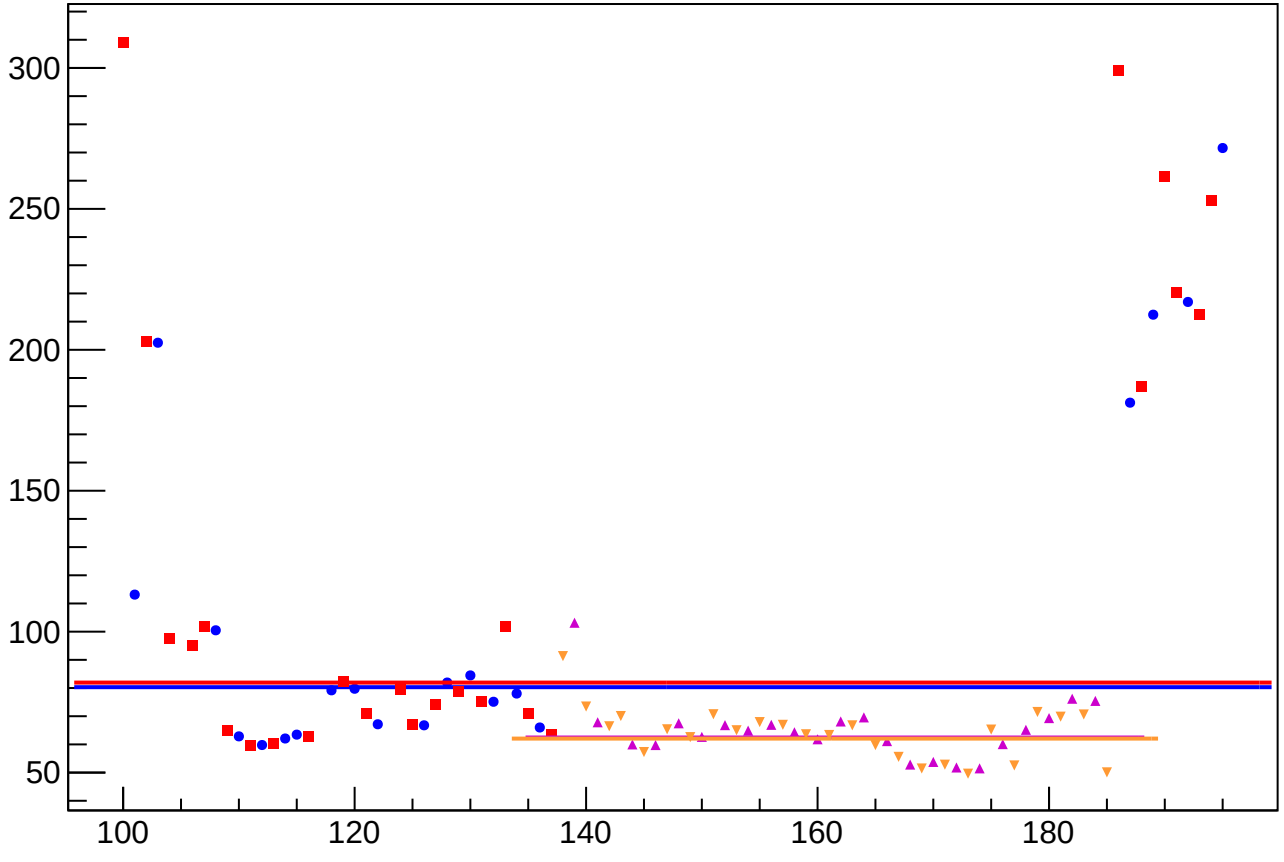
Right: 4.555+/-19.791 χ^2/NDF: 47.1/44

In: 56.263+/-13.126 χ^2/NDF:59.7/42

Out: 68.570+/-12.720 χ^2/NDF:88.5/49

All: 62.610+/-9.135 χ^2/NDF: 148.6/92

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 80.302+/-0.020 χ^2/NDF: 3038889.2/19

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 81.934+/-0.020 χ^2/NDF: 4026647.0/24

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

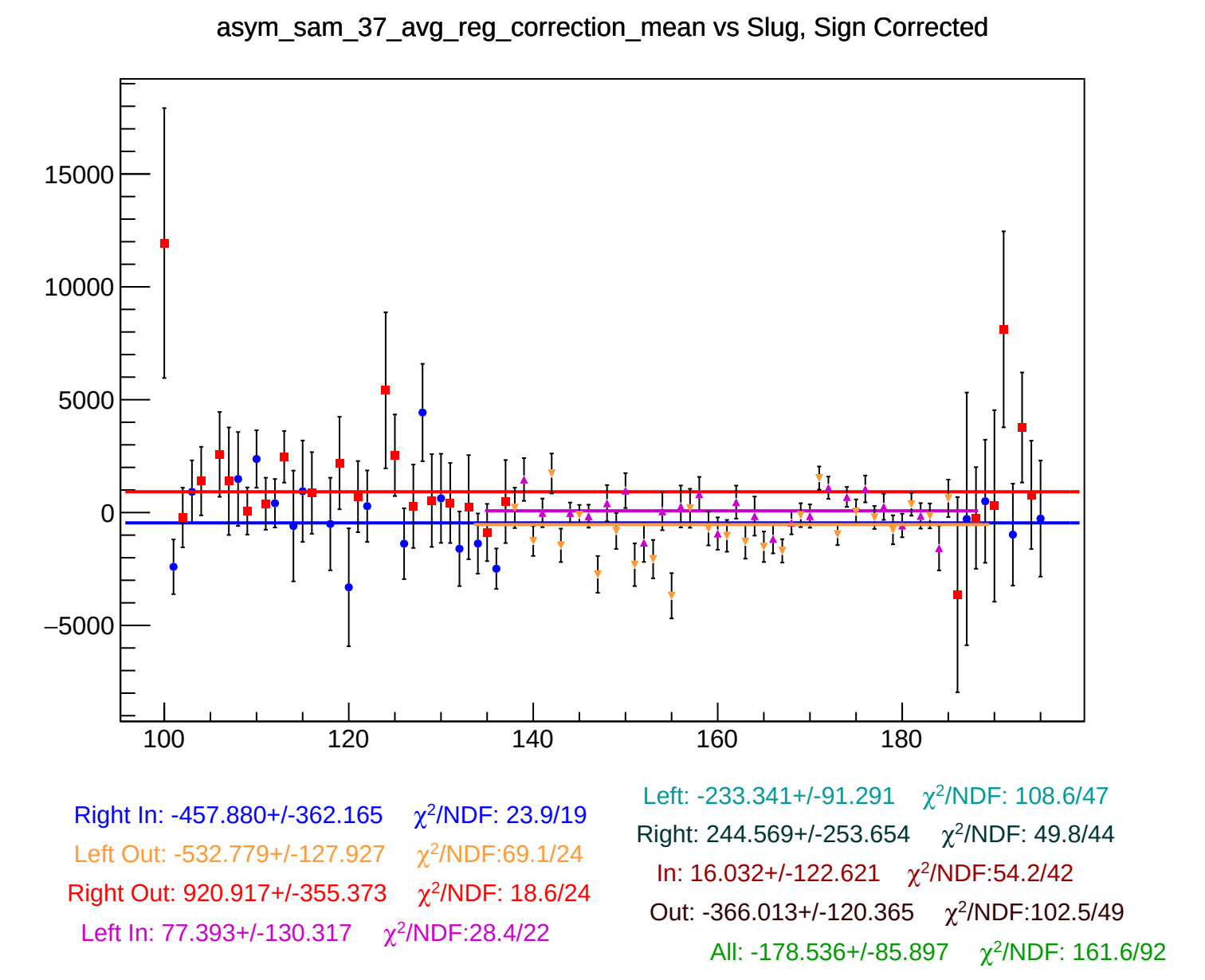
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

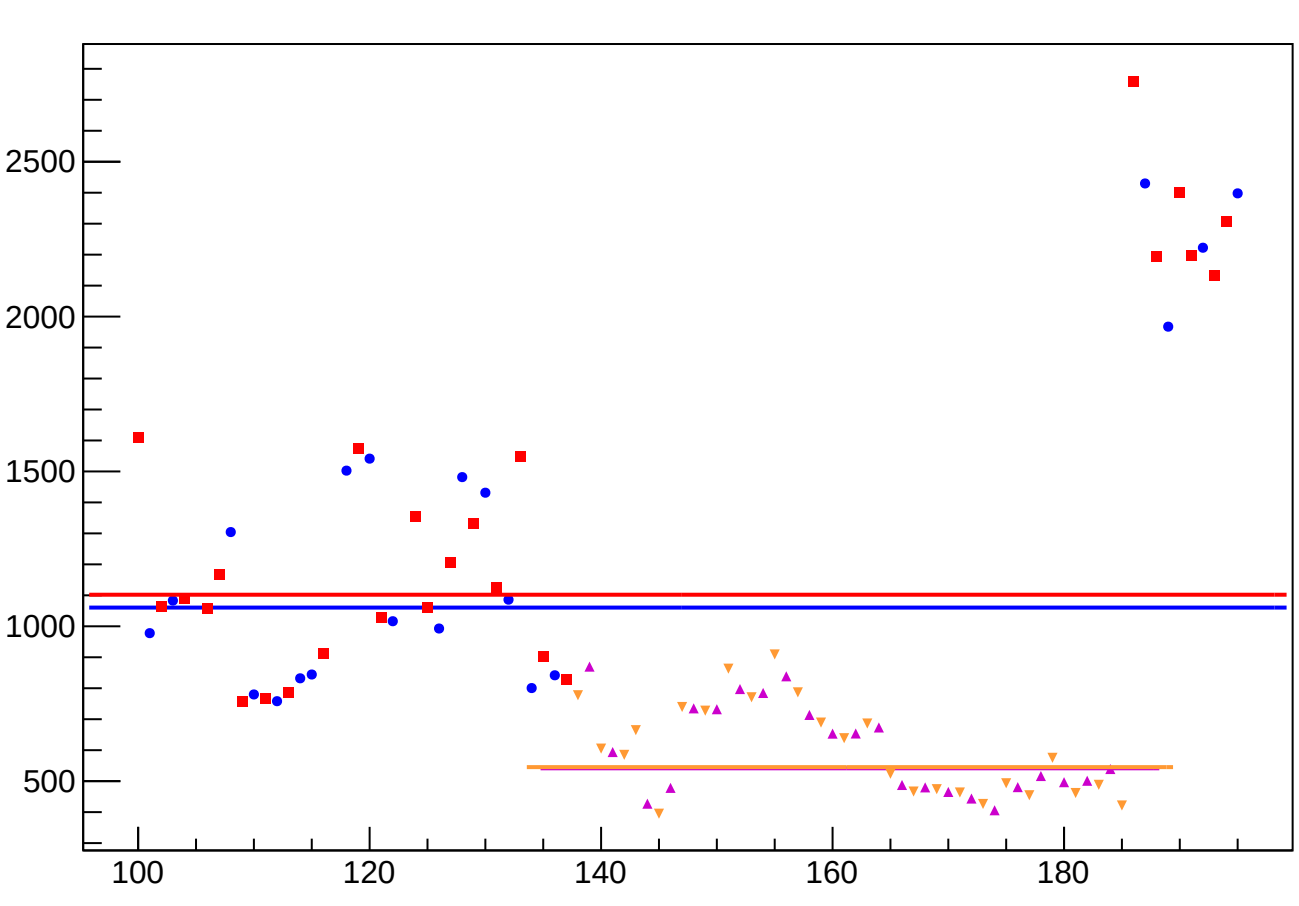
Right: 81.138+/-0.014 χ^2/NDF: 7068931.5/44

In: 66.277+/-0.009 χ^2/NDF:4327371.8/42

Out: 66.267+/-0.009 χ^2/NDF:5527410.9/49

All: 66.272+/-0.006 χ^2/NDF: 9854783.3/92


asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -457.880+/-362.165 χ²/NDF: 23.9/19
Left Out: -532.779+/-127.927 χ²/NDF:69.1/24
Right Out: 920.917+/-355.373 χ²/NDF: 18.6/24
Left In: 77.393+/-130.317 χ²/NDF:28.4/22
Left: -233.341+/-91.291 χ²/NDF: 108.6/47
Right: 244.569+/-253.654 χ²/NDF: 49.8/44
In: 16.032+/-122.621 χ²/NDF:54.2/42
Out: -366.013+/-120.365 χ²/NDF:102.5/49
All: -178.536+/-85.897 χ²/NDF: 161.6/92



Right In: 1060.441+/-0.256 χ^2/NDF: 2249093.3/19

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1101.960+/-0.251 χ^2/NDF: 2841072.1/24

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

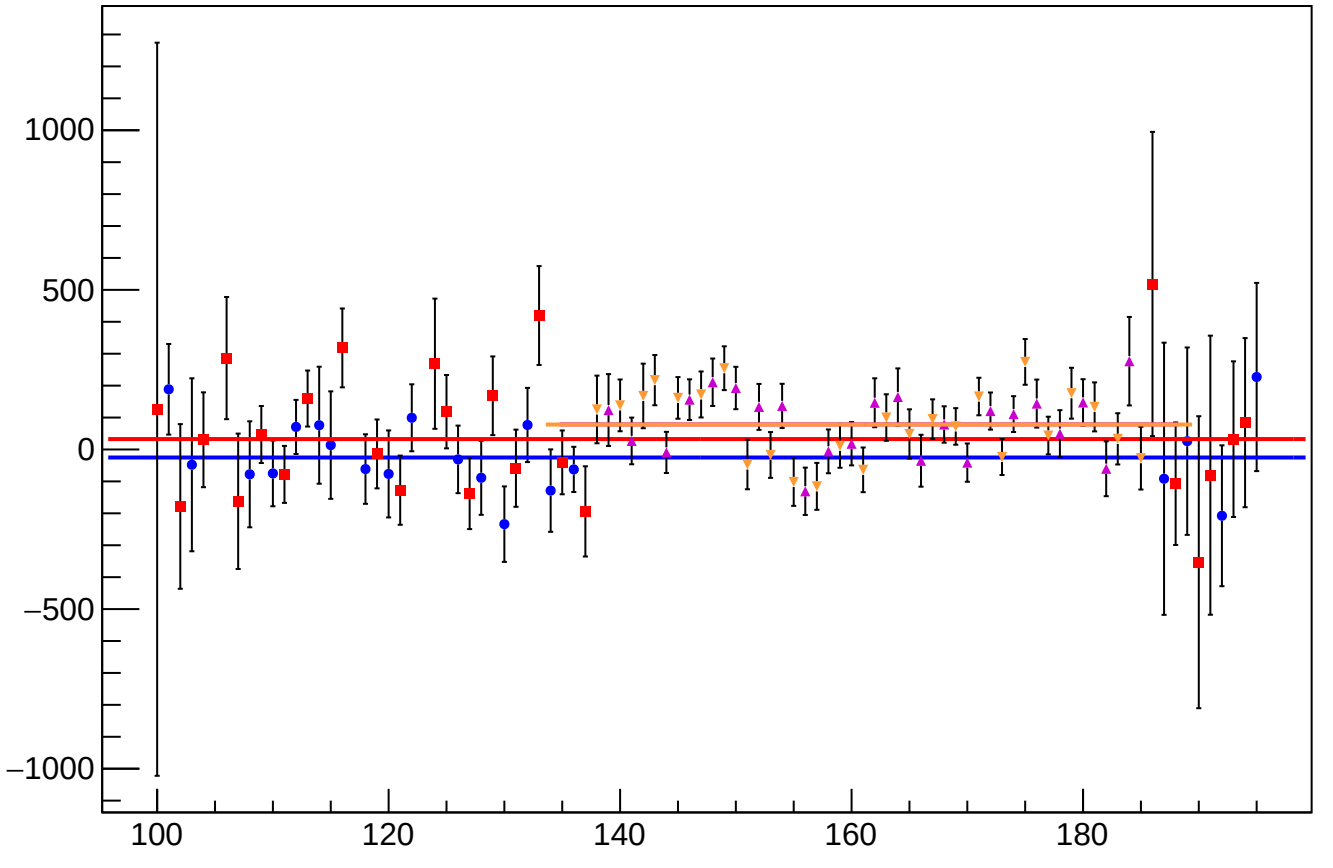
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1081.593+/-0.179 χ^2/NDF: 5103556.4/44

In: 600.951+/-0.087 χ^2/NDF:7725627.2/42

Out: 609.163+/-0.085 χ^2/NDF:9269020.6/49

All: 605.133+/-0.061 χ^2/NDF: 16999216.3/92



Right In: -25.157+/-28.336 χ^2/NDF: 12.5/19

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 32.652+/-27.655 χ^2/NDF: 32.4/24

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

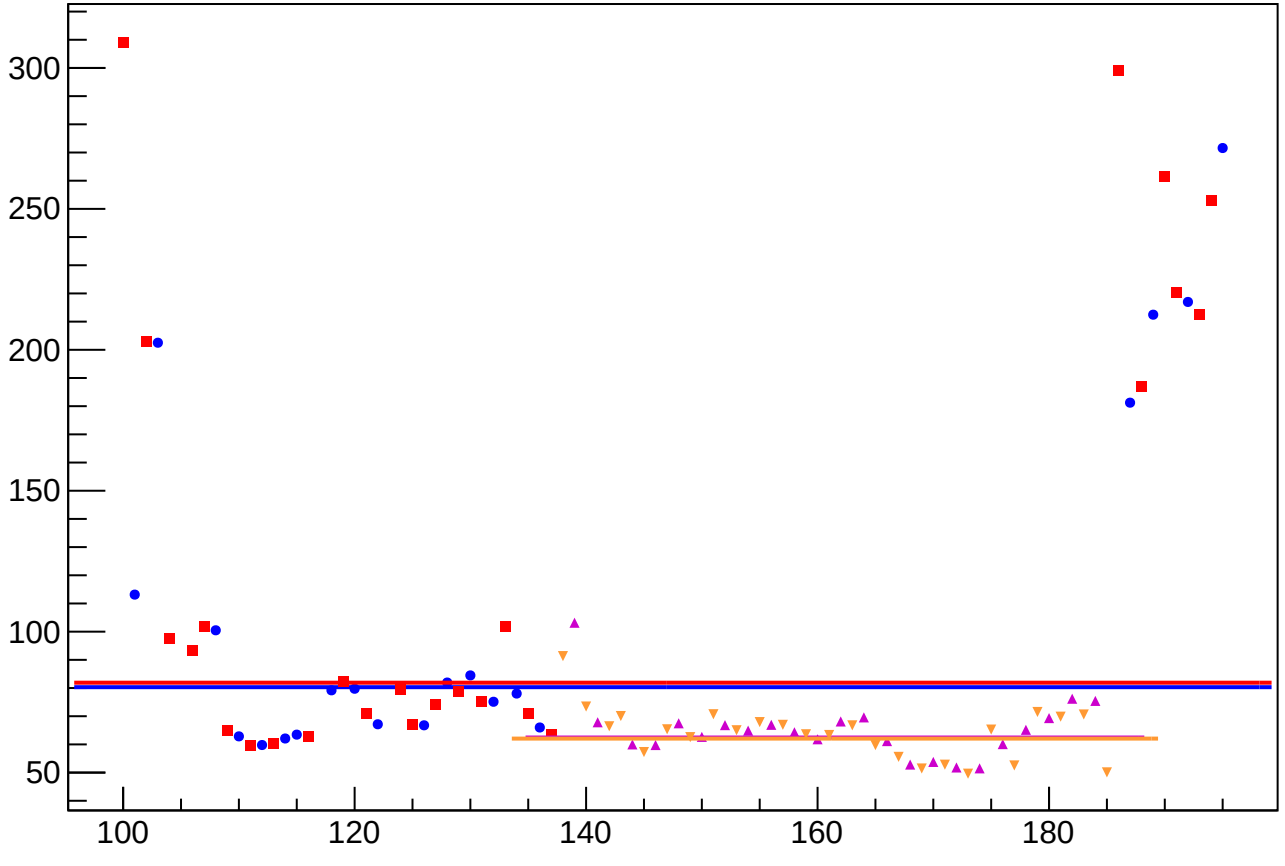
Right: 4.450+/-19.792 χ^2/NDF: 47.0/44

In: 56.262+/-13.126 χ^2/NDF:59.6/42

Out: 68.534+/-12.720 χ^2/NDF:88.4/49

All: 62.591+/-9.135 χ^2/NDF: 148.5/92

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 80.302+/-0.020 χ^2/NDF: 3038891.4/19

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 81.896+/-0.020 χ^2/NDF: 4024508.4/24

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

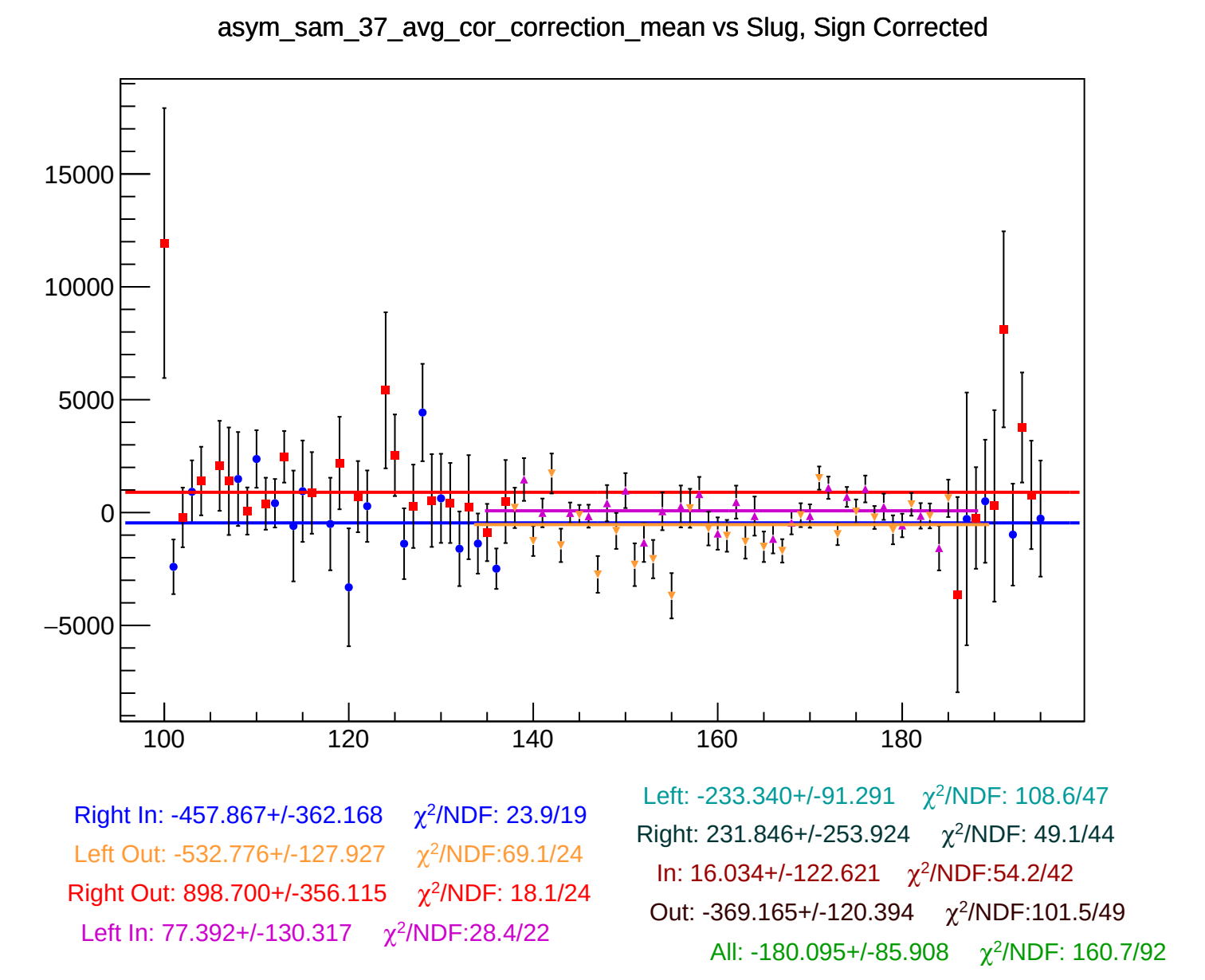
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

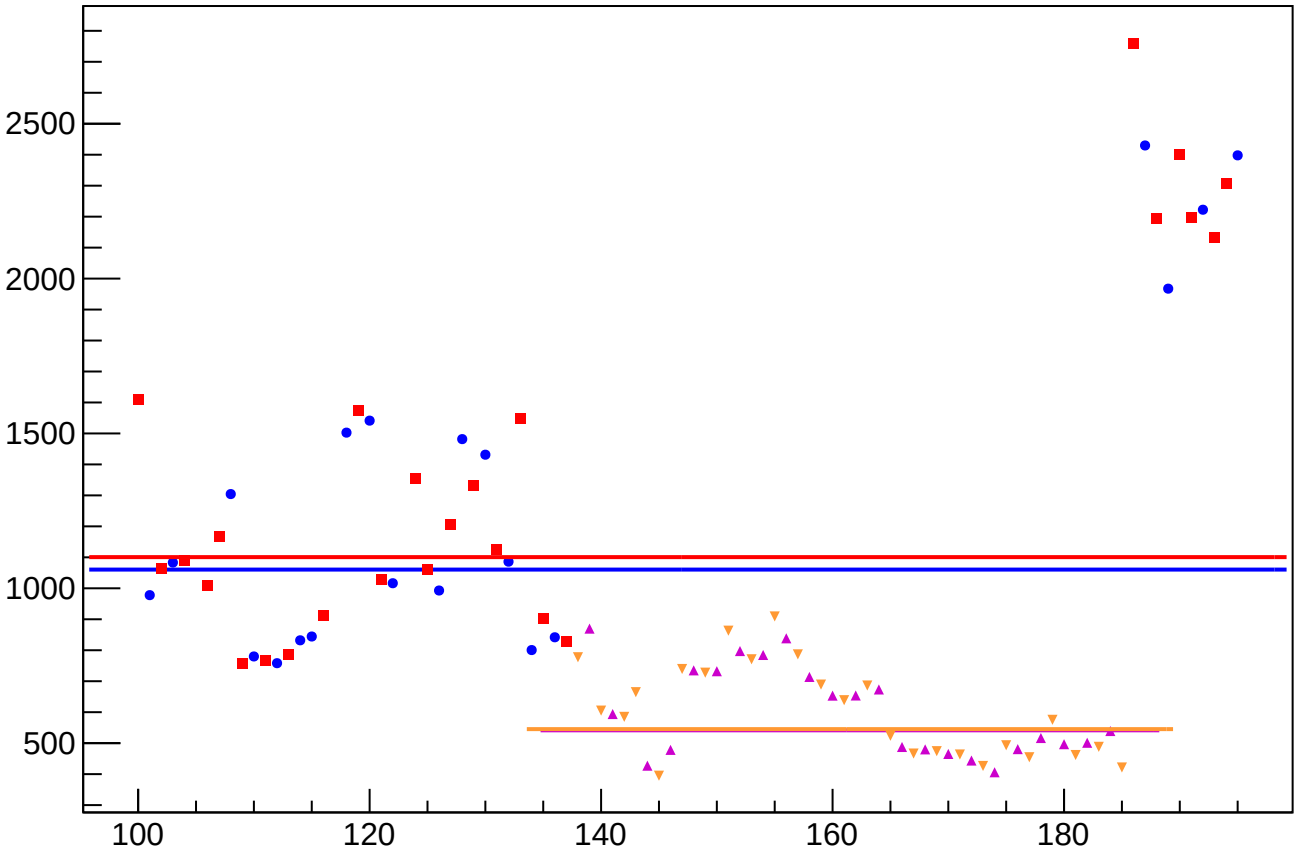
Right: 81.118+/-0.014 χ^2/NDF: 7066638.5/44

In: 66.277+/-0.009 χ^2/NDF:4327373.7/42

Out: 66.259+/-0.009 χ^2/NDF:5522040.0/49

All: 66.268+/-0.006 χ^2/NDF: 9849415.7/92


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -457.867+/-362.168 χ²/NDF: 23.9/19
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 898.700+/-356.115 χ²/NDF: 18.1/24
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 231.846+/-253.924 χ²/NDF: 49.1/44
In: 16.034+/-122.621 χ²/NDF:54.2/42
Out: -369.165+/-120.394 χ²/NDF:101.5/49
All: -180.095+/-85.908 χ²/NDF: 160.7/92



Right In: 1060.448+/-0.256 χ^2/NDF: 2249101.4/19

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1100.666+/-0.252 χ^2/NDF: 2844176.8/24

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

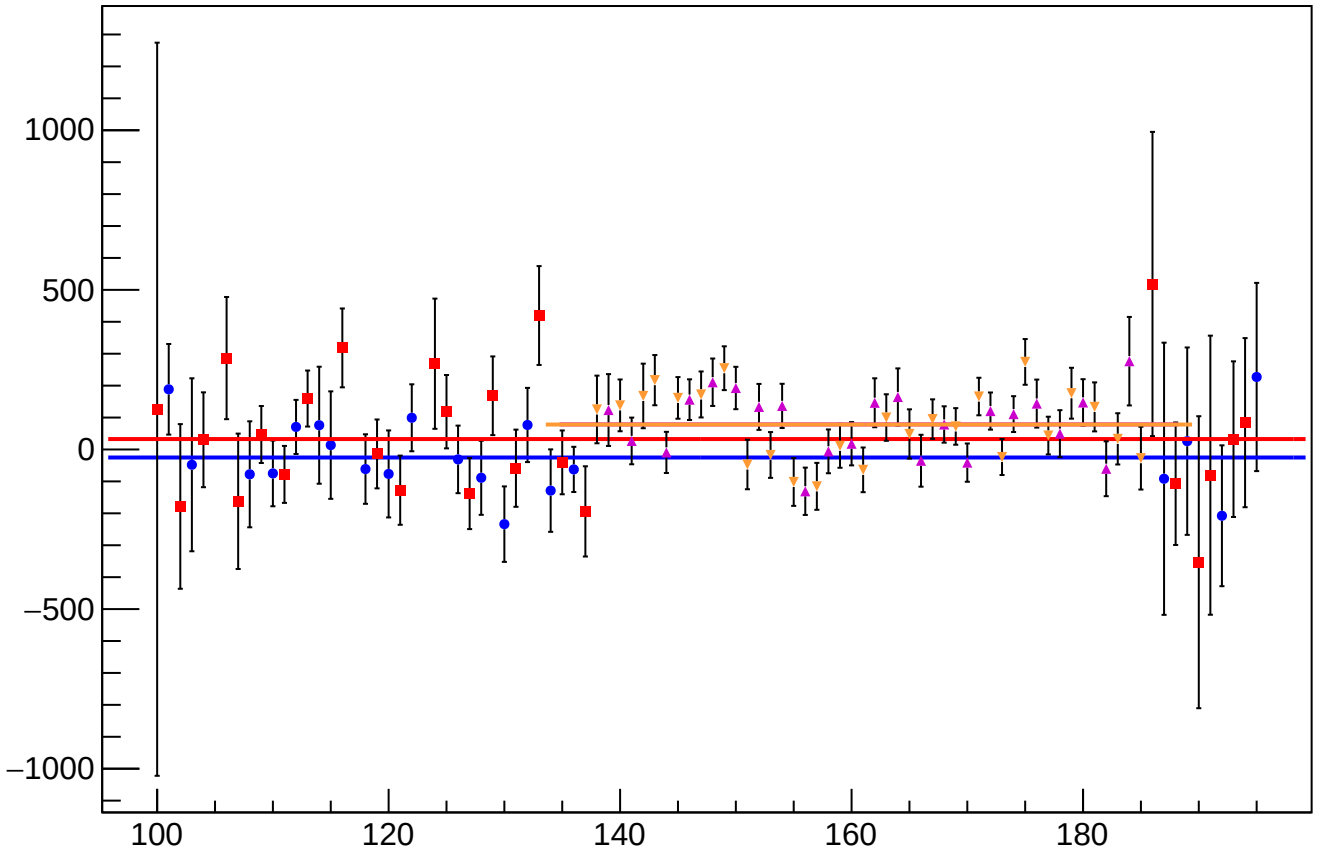
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1080.896+/-0.180 χ^2/NDF: 5105817.7/44

In: 600.951+/-0.087 χ^2/NDF:7725684.4/42

Out: 608.779+/-0.085 χ^2/NDF:9236000.2/49

All: 604.937+/-0.061 χ^2/NDF: 16965835.1/92



Right In: -25.157+/-28.336 χ^2/NDF: 12.5/19

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 32.652+/-27.655 χ^2/NDF: 32.4/24

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

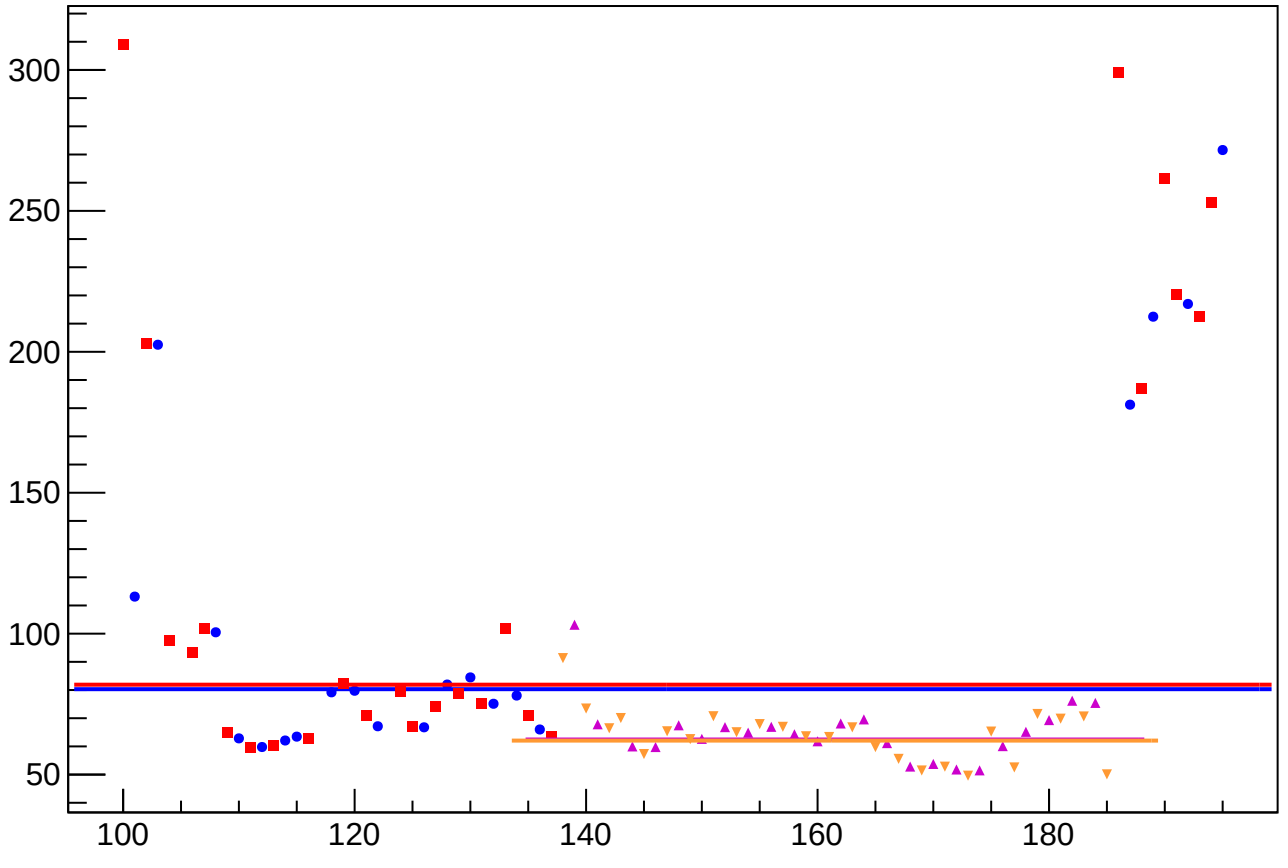
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 4.450+/-19.792 χ^2/NDF: 47.0/44

In: 56.262+/-13.126 χ^2/NDF:59.6/42

Out: 68.534+/-12.720 χ^2/NDF:88.4/49

All: 62.591+/-9.135 χ^2/NDF: 148.5/92



Right In: 80.302+/-0.020 χ^2/NDF: 3038891.4/19

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 81.896+/-0.020 χ^2/NDF: 4024508.4/24

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

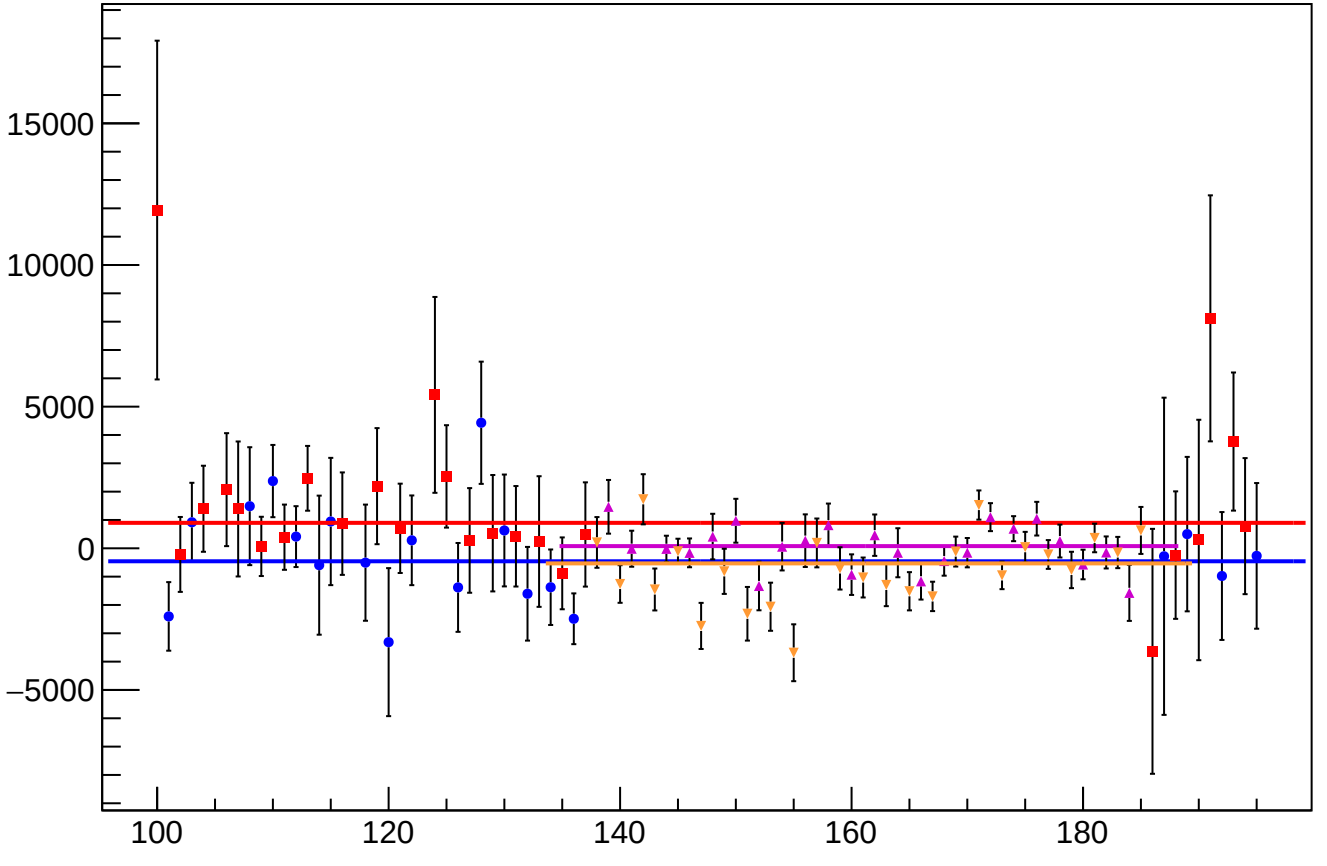
Right: 81.118+/-0.014 χ^2/NDF: 7066638.5/44

In: 66.277+/-0.009 χ^2/NDF:4327373.7/42

Out: 66.259+/-0.009 χ^2/NDF:5522040.0/49

All: 66.268+/-0.006 χ^2/NDF: 9849415.7/92

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -457.867+/-362.168 χ^2/NDF: 23.9/19

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 898.700+/-356.115 χ^2/NDF: 18.1/24

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

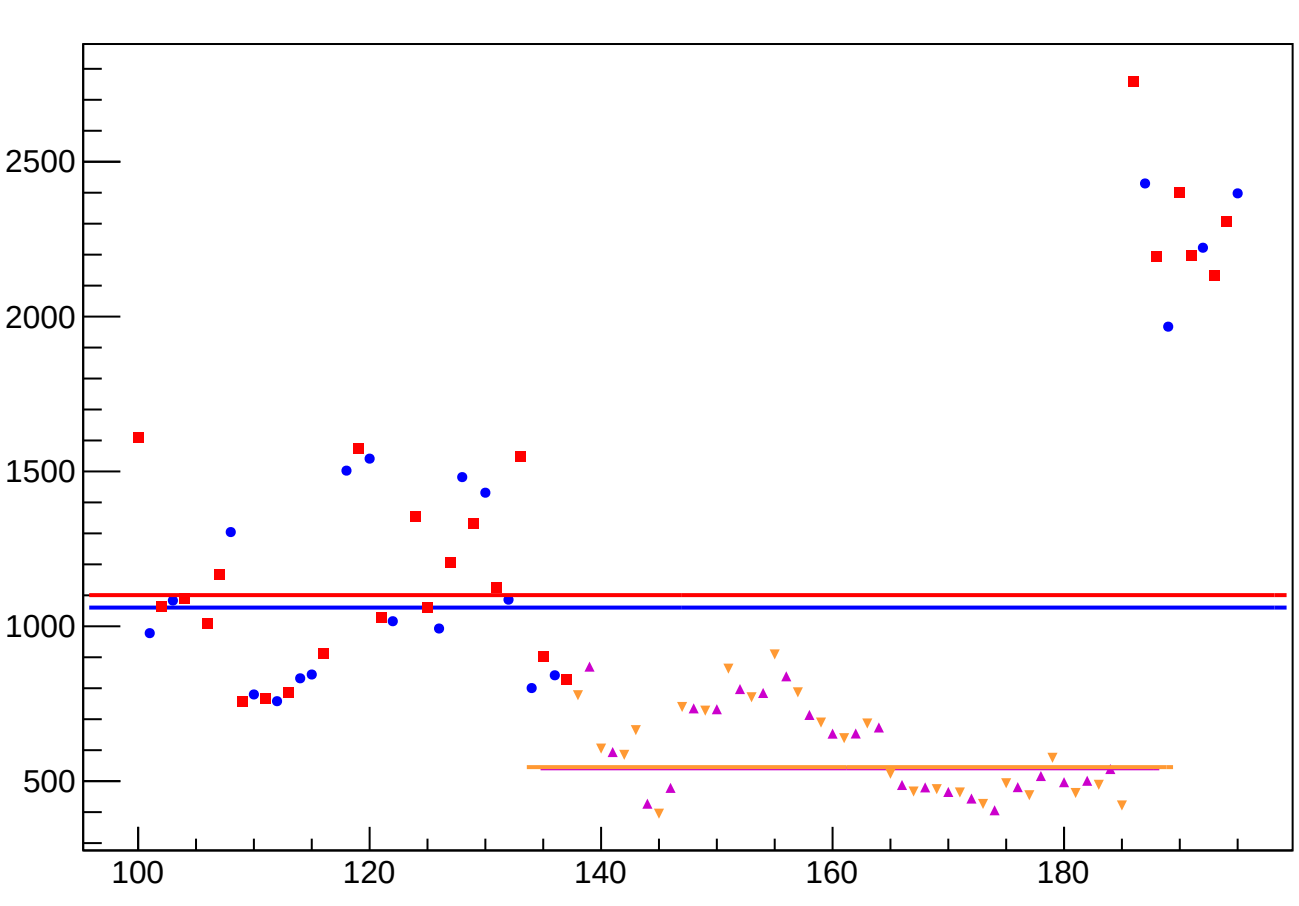
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 231.846+/-253.924 χ^2/NDF: 49.1/44

In: 16.034+/-122.621 χ^2/NDF:54.2/42

Out: -369.165+/-120.394 χ^2/NDF:101.5/49

All: -180.095+/-85.908 χ^2/NDF: 160.7/92



Right In: 1060.448+/-0.256 χ^2/NDF: 2249101.4/19

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1100.666+/-0.252 χ^2/NDF: 2844176.8/24

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

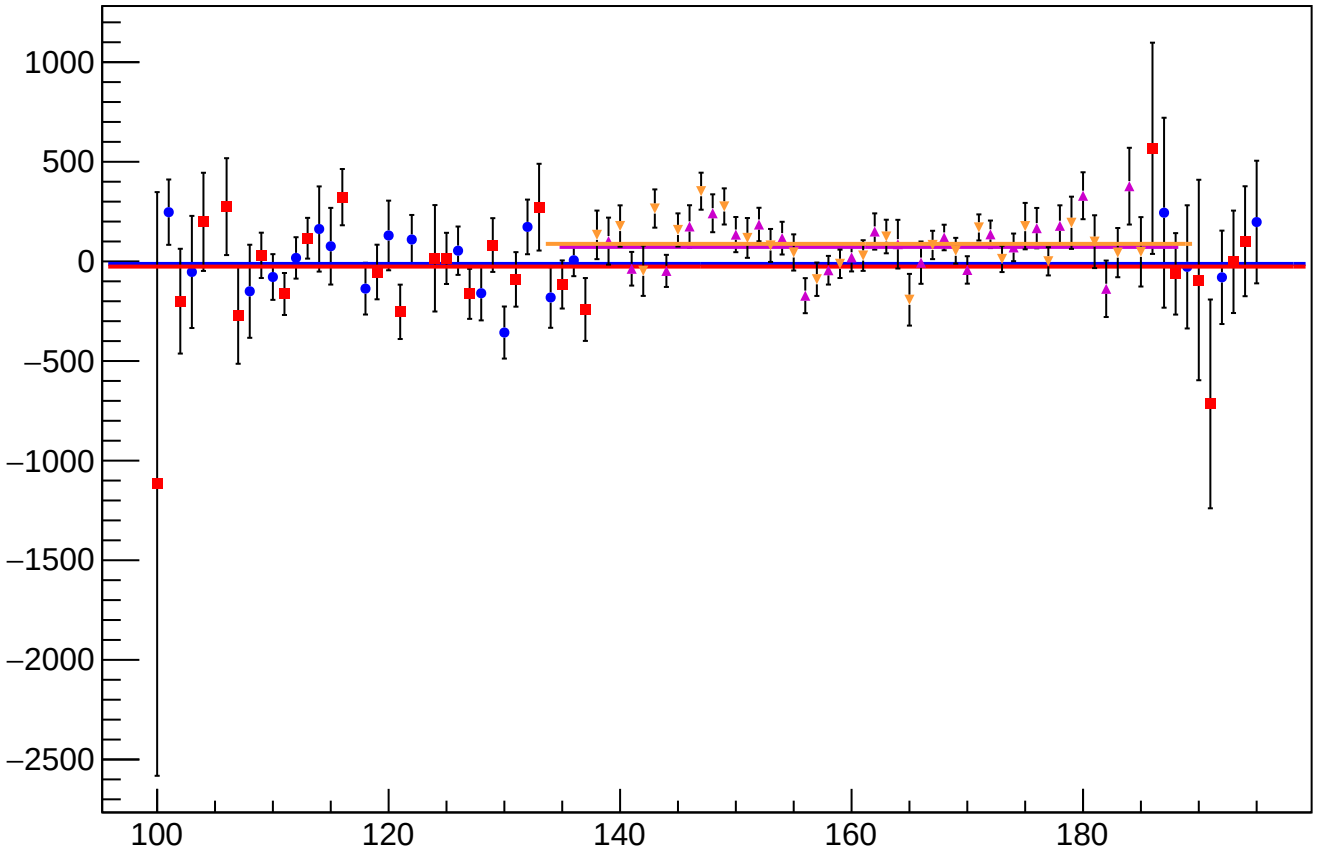
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1080.896+/-0.180 χ^2/NDF: 5105817.7/44

In: 600.951+/-0.087 χ^2/NDF:7725684.4/42

Out: 608.779+/-0.085 χ^2/NDF:9236000.2/49

All: 604.937+/-0.061 χ^2/NDF: 16965835.1/92



Right In: -12.703+/-32.951 χ^2/NDF: 19.1/19

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -26.073+/-32.885 χ^2/NDF: 26.9/24

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

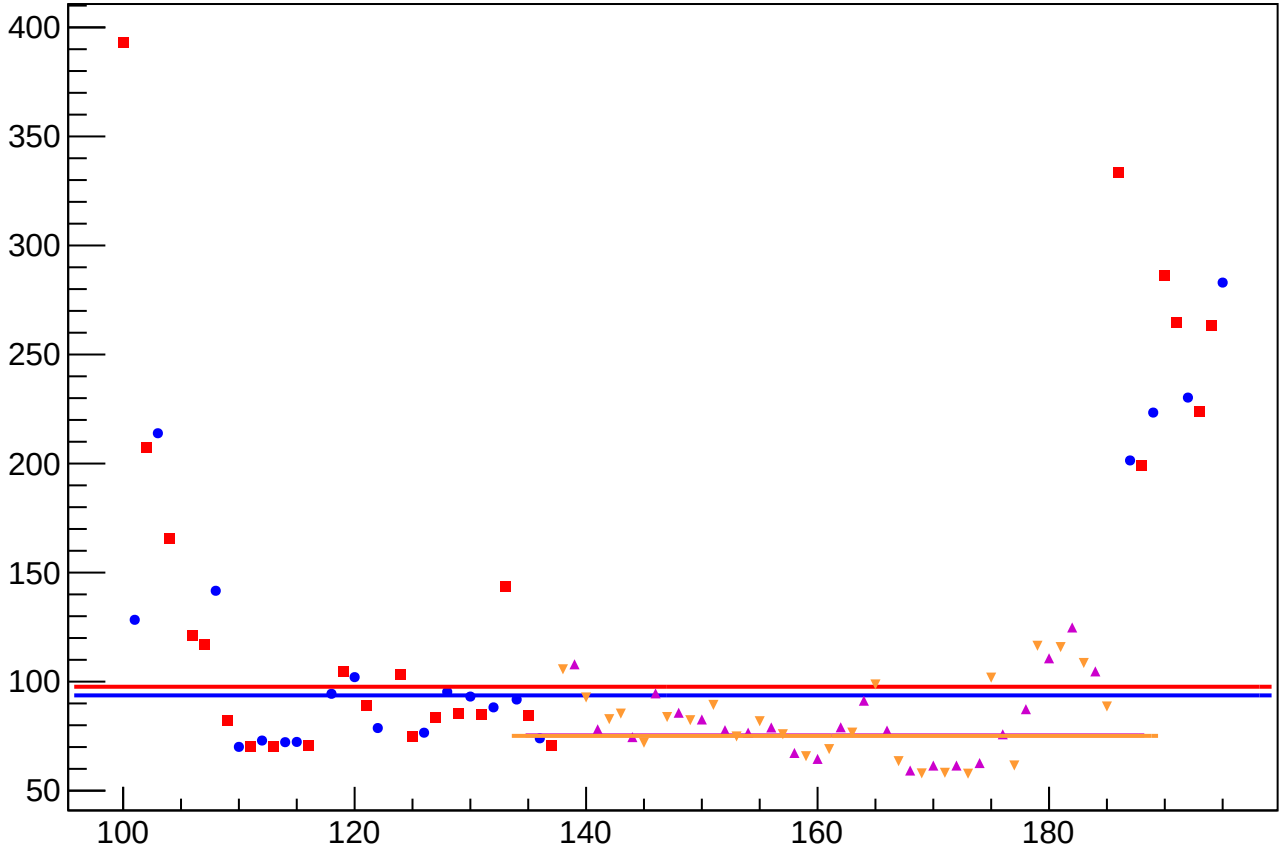
Right: -19.401+/-23.277 χ^2/NDF: 46.1/44

In: 52.723+/-15.982 χ^2/NDF:62.7/42

Out: 62.307+/-15.616 χ^2/NDF:73.1/49

All: 57.626+/-11.169 χ^2/NDF: 136.0/92

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 93.688+/-0.023 χ^2/NDF: 2836964.6/19

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 97.654+/-0.023 χ^2/NDF: 3877092.0/24

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

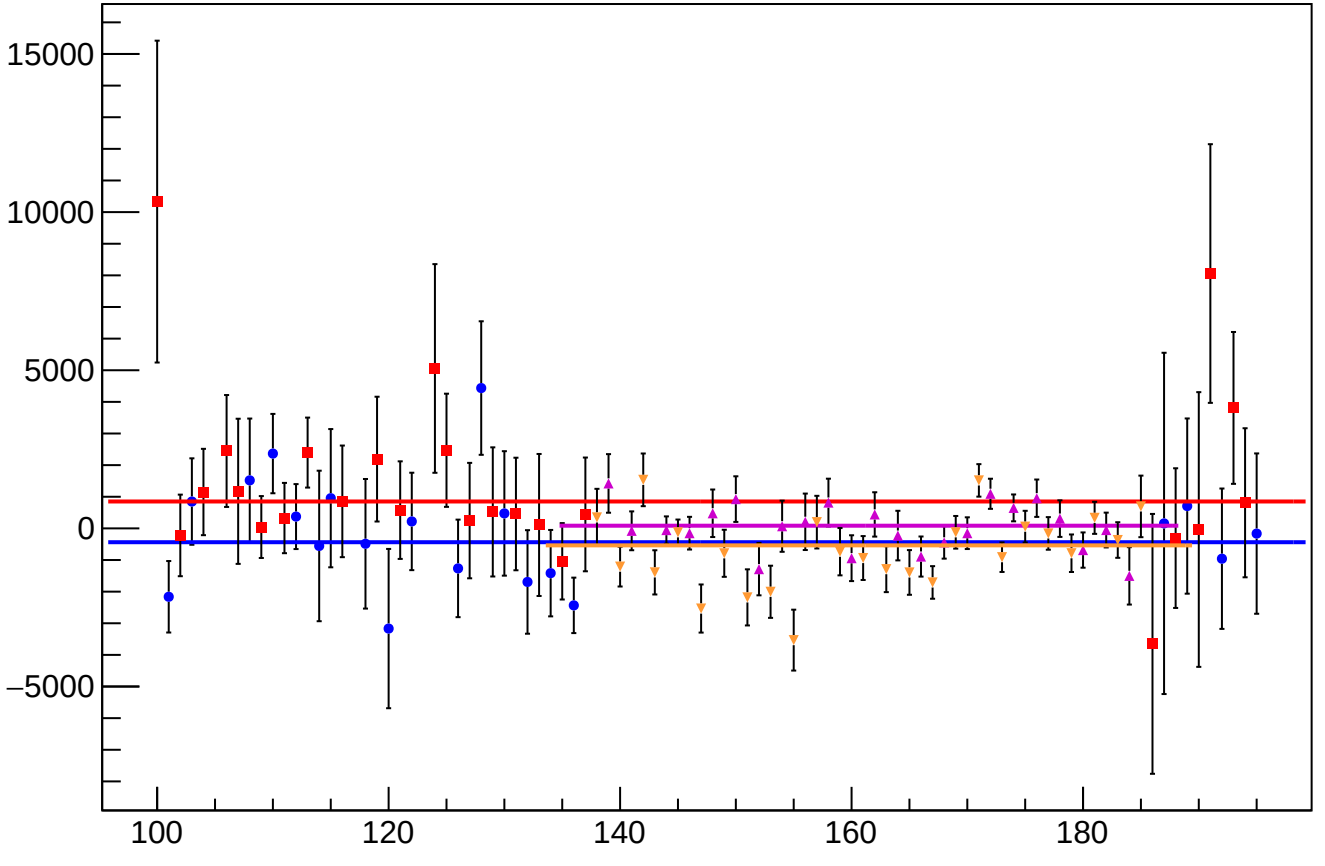
Right: 95.675+/-0.016 χ^2/NDF: 6728572.2/44

In: 79.674+/-0.011 χ^2/NDF:4535288.5/42

Out: 80.208+/-0.011 χ^2/NDF:6205334.1/49

All: 79.947+/-0.008 χ^2/NDF: 10741763.9/92

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -437.232+/-353.451 χ^2/NDF: 24.0/19

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 850.595+/-342.212 χ^2/NDF: 19.8/24

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

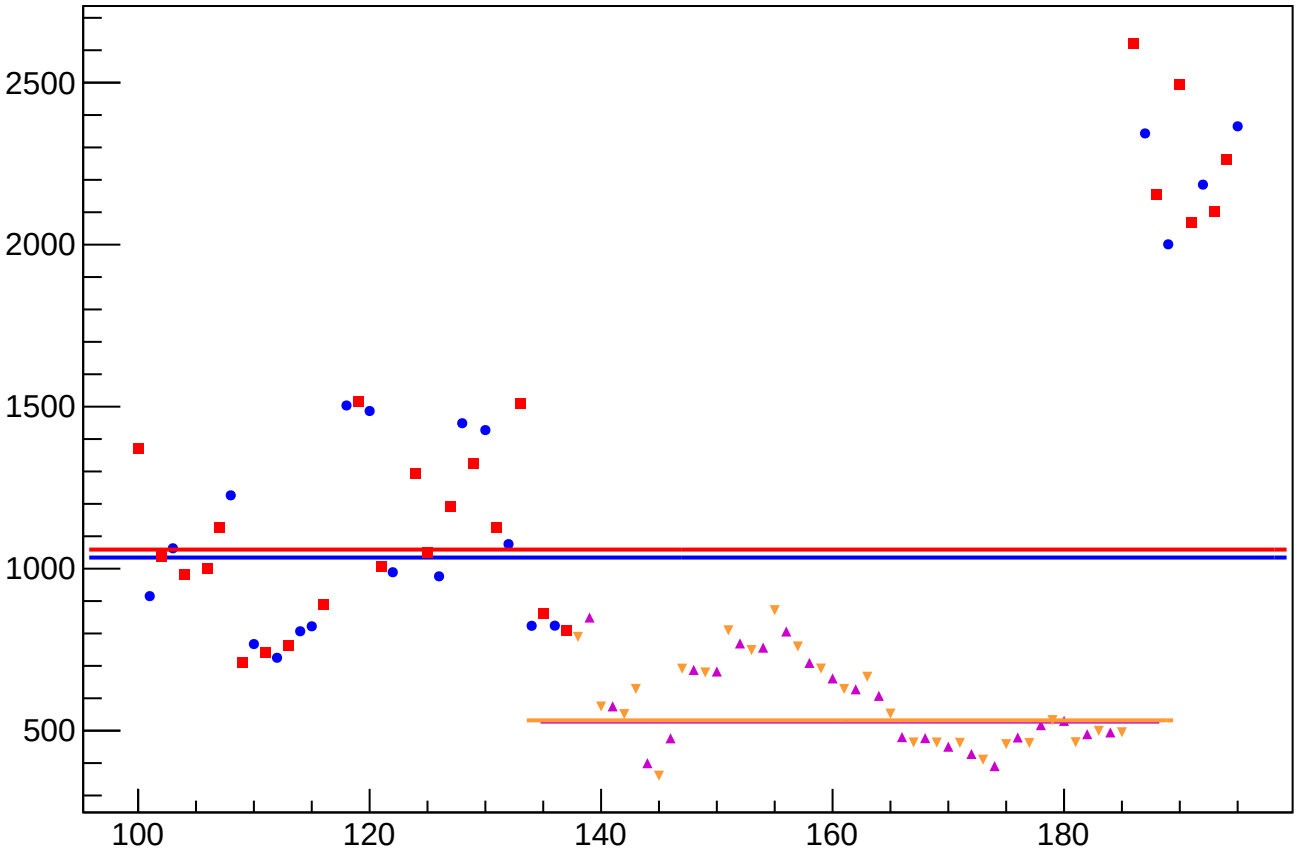
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 227.483+/-245.858 χ^2/NDF: 50.6/44

In: 24.959+/-119.552 χ^2/NDF:53.4/42

Out: -374.688+/-116.974 χ^2/NDF:101.3/49

All: -179.219+/-83.610 χ^2/NDF: 160.4/92



Right In: 1034.322+/-0.250 χ^2/NDF: 2296884.1/19

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1058.938+/-0.242 χ^2/NDF: 2958806.8/24

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

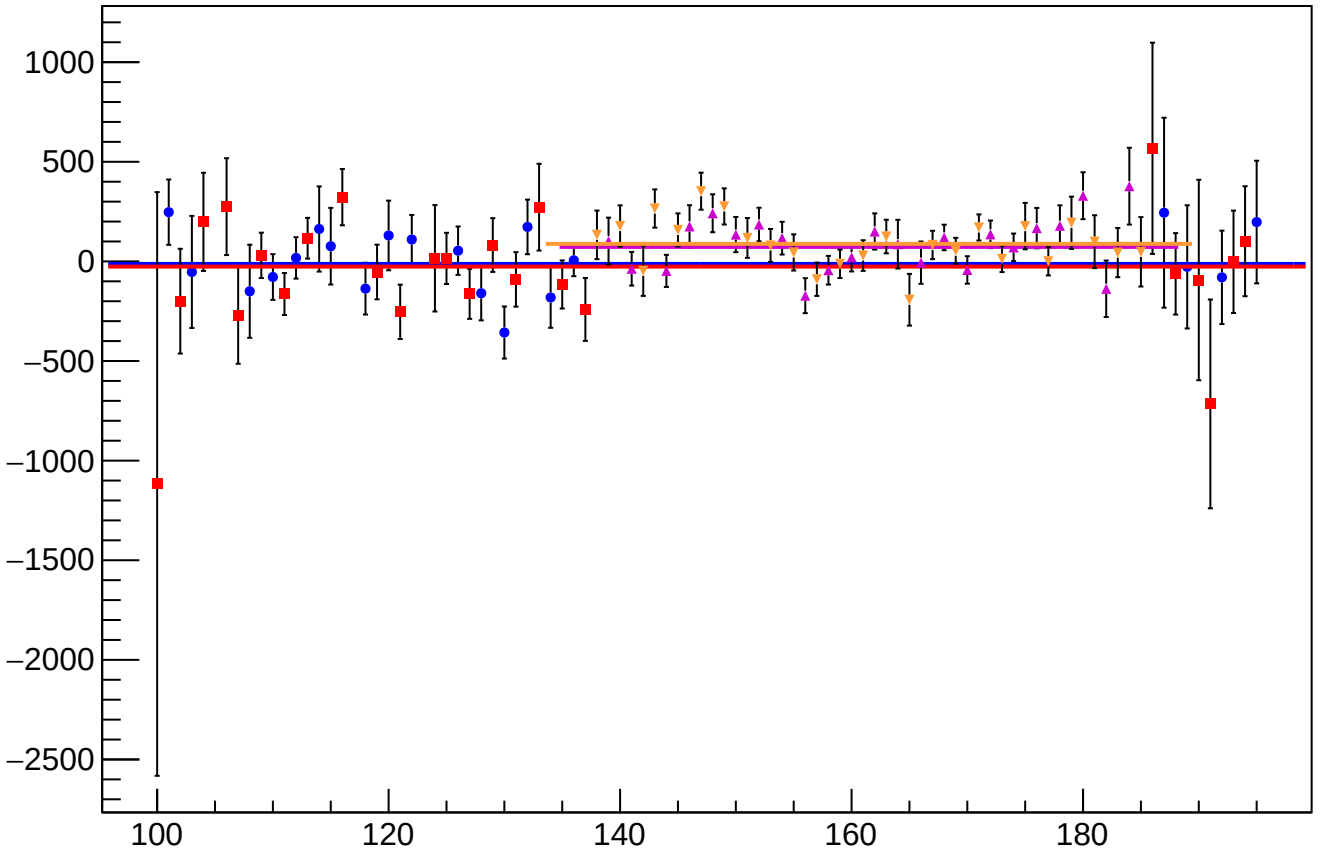
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1047.028+/-0.174 χ^2/NDF: 5260698.0/44

In: 585.914+/-0.085 χ^2/NDF:7732164.7/42

Out: 593.454+/-0.083 χ^2/NDF:9186518.0/49

All: 589.766+/-0.059 χ^2/NDF: 16922747.5/92



Right In: -12.703+/-32.952 χ^2/NDF: 19.1/19

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -26.075+/-32.885 χ^2/NDF: 26.9/24

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

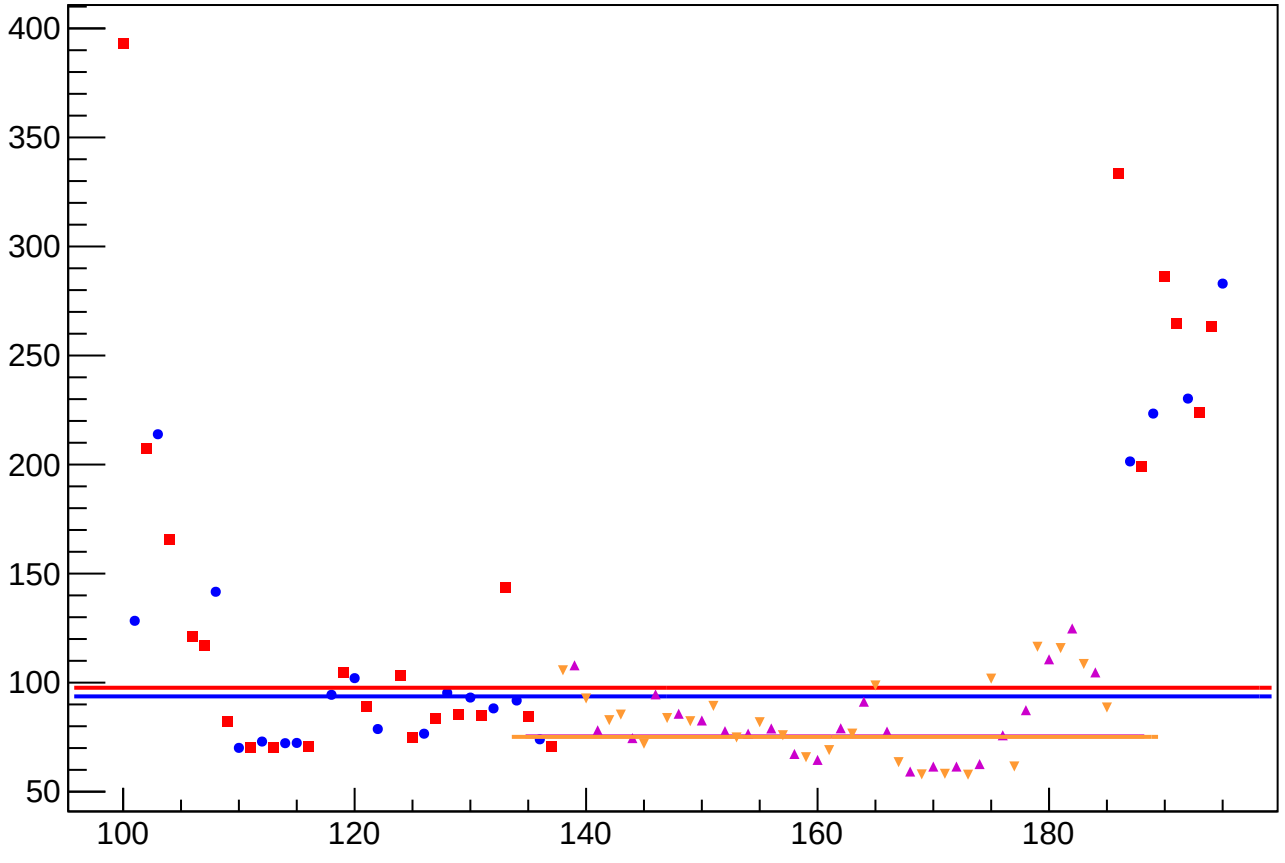
Right: -19.403+/-23.277 χ^2/NDF: 46.1/44

In: 52.723+/-15.982 χ^2/NDF:62.7/42

Out: 62.307+/-15.616 χ^2/NDF:73.1/49

All: 57.626+/-11.170 χ^2/NDF: 136.0/92

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 93.688+/-0.023 χ^2/NDF: 2836949.9/19

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 97.654+/-0.023 χ^2/NDF: 3877080.8/24

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

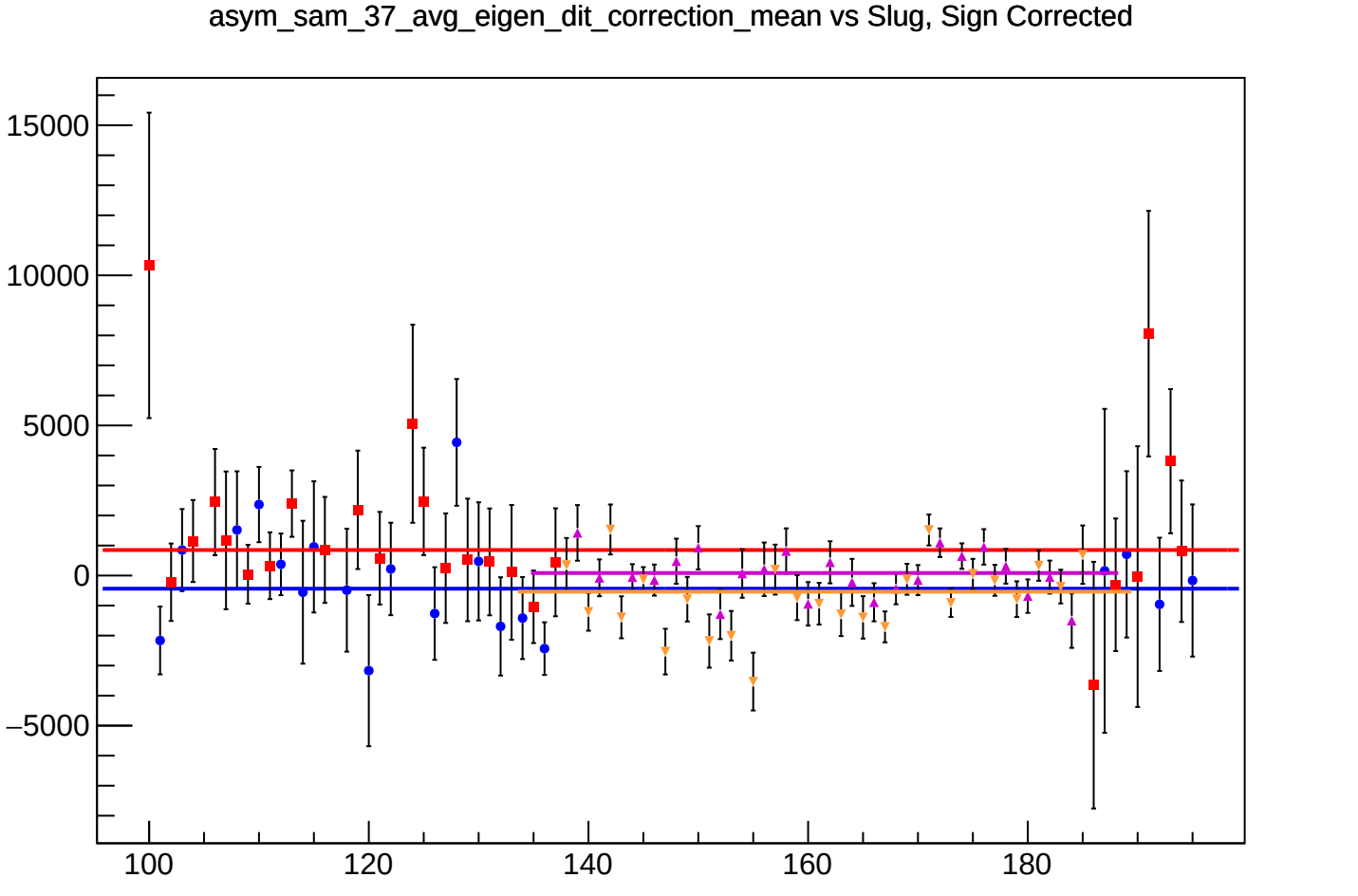
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 95.675+/-0.016 χ^2/NDF: 6728547.0/44

In: 79.674+/-0.011 χ^2/NDF:4535280.7/42

Out: 80.208+/-0.011 χ^2/NDF:6205334.1/49

All: 79.947+/-0.008 χ^2/NDF: 10741756.2/92



Right In: -437.230+/-353.451 χ^2/NDF: 24.0/19

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 850.594+/-342.211 χ^2/NDF: 19.8/24

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

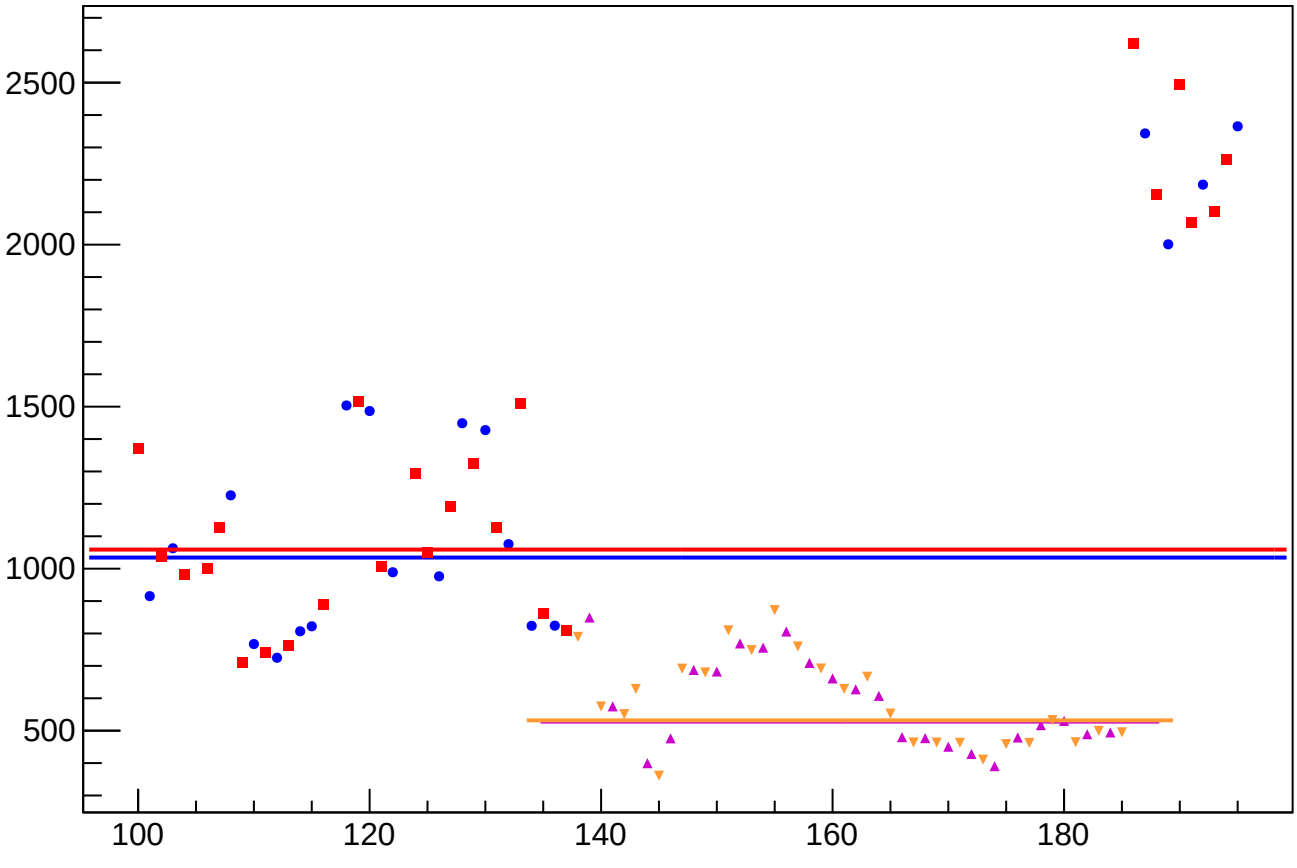
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 227.484+/-245.857 χ^2/NDF: 50.6/44

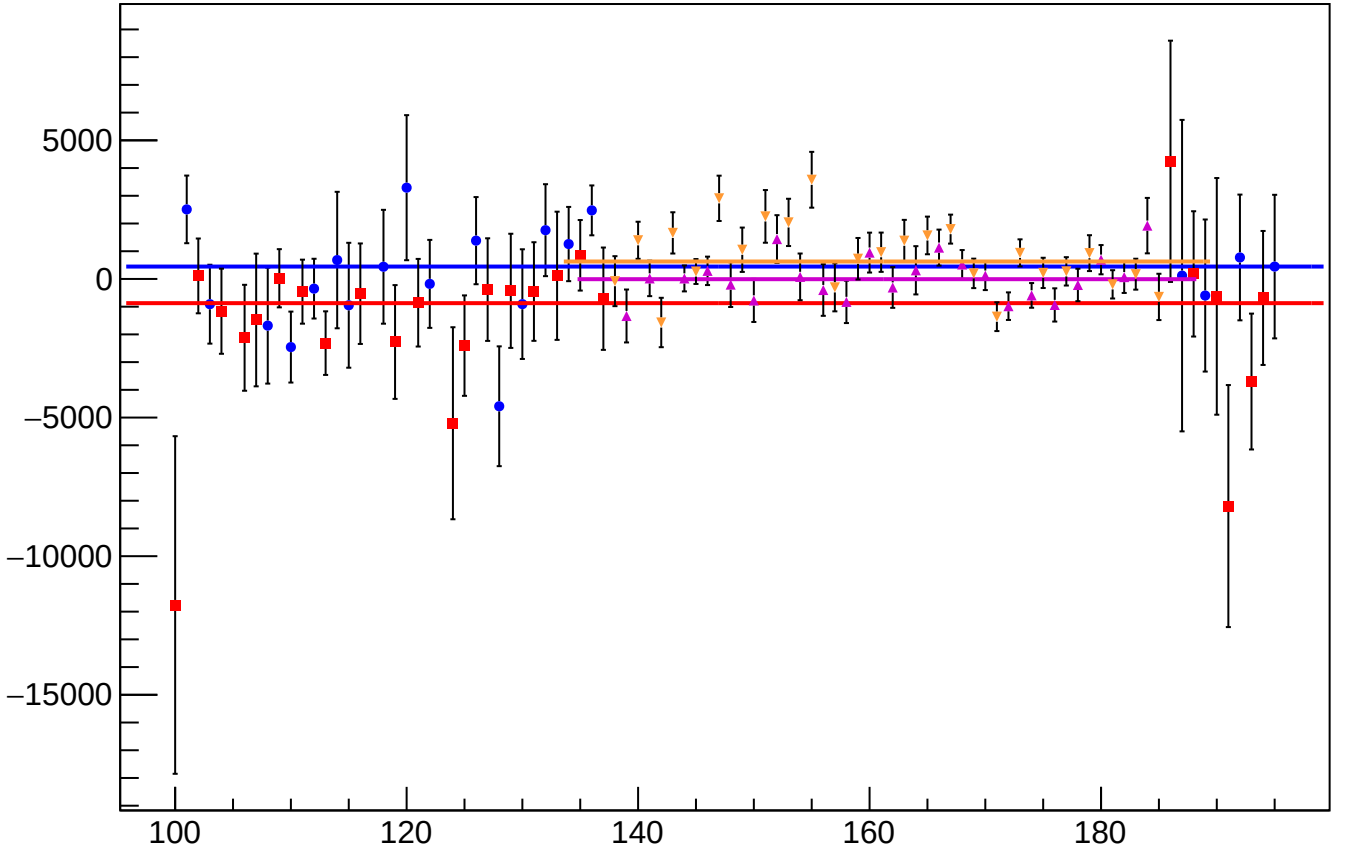
In: 24.959+/-119.552 χ^2/NDF:53.4/42

Out: -374.688+/-116.974 χ^2/NDF:101.3/49

All: -179.219+/-83.609 χ^2/NDF: 160.4/92


asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1034.320+/-0.250 χ²/NDF: 2296889.0/19
Left Out: 531.872+/-0.088 χ²/NDF:2037744.9/24
Right Out: 1058.936+/-0.242 χ²/NDF: 2958809.2/24
Left In: 527.986+/-0.090 χ²/NDF:1800449.7/22
Left: 529.968+/-0.063 χ²/NDF: 3839149.6/47
Right: 1047.026+/-0.174 χ²/NDF: 5260705.2/44
In: 585.914+/-0.085 χ²/NDF:7732150.4/42
Out: 593.454+/-0.083 χ²/NDF:9186502.0/49
All: 589.766+/-0.059 χ²/NDF: 16922717.0/92

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 446.964+/-363.966 χ^2/NDF: 24.7/19

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -873.094+/-357.286 χ^2/NDF: 17.4/24

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

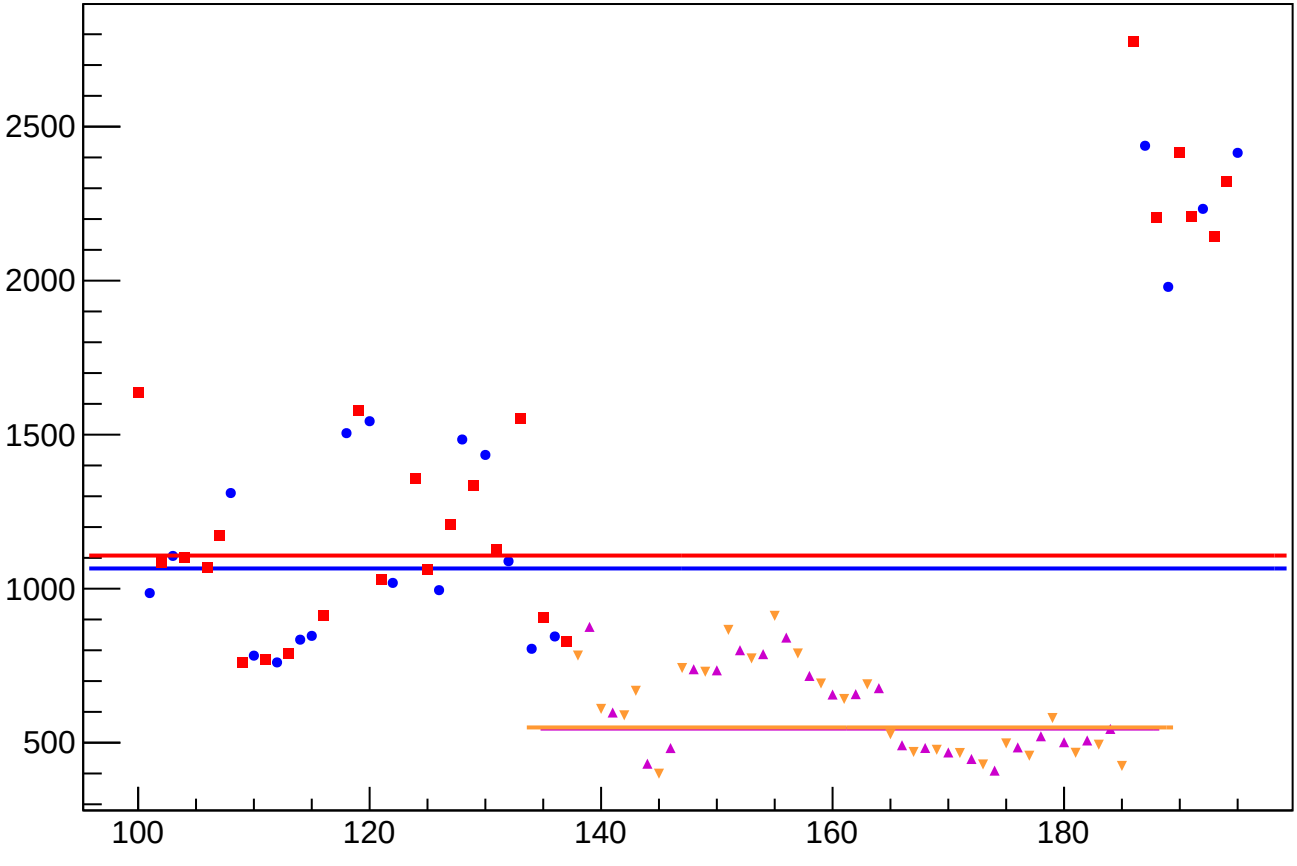
Right: -225.289+/-254.968 χ^2/NDF: 48.9/44

In: 43.976+/-123.500 χ^2/NDF:53.5/42

Out: 456.452+/-121.211 χ^2/NDF:98.0/49

All: 254.071+/-86.507 χ^2/NDF: 157.1/92

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1065.614+/-0.257 χ^2/NDF: 2252353.3/19

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1107.526+/-0.253 χ^2/NDF: 2846870.4/24

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

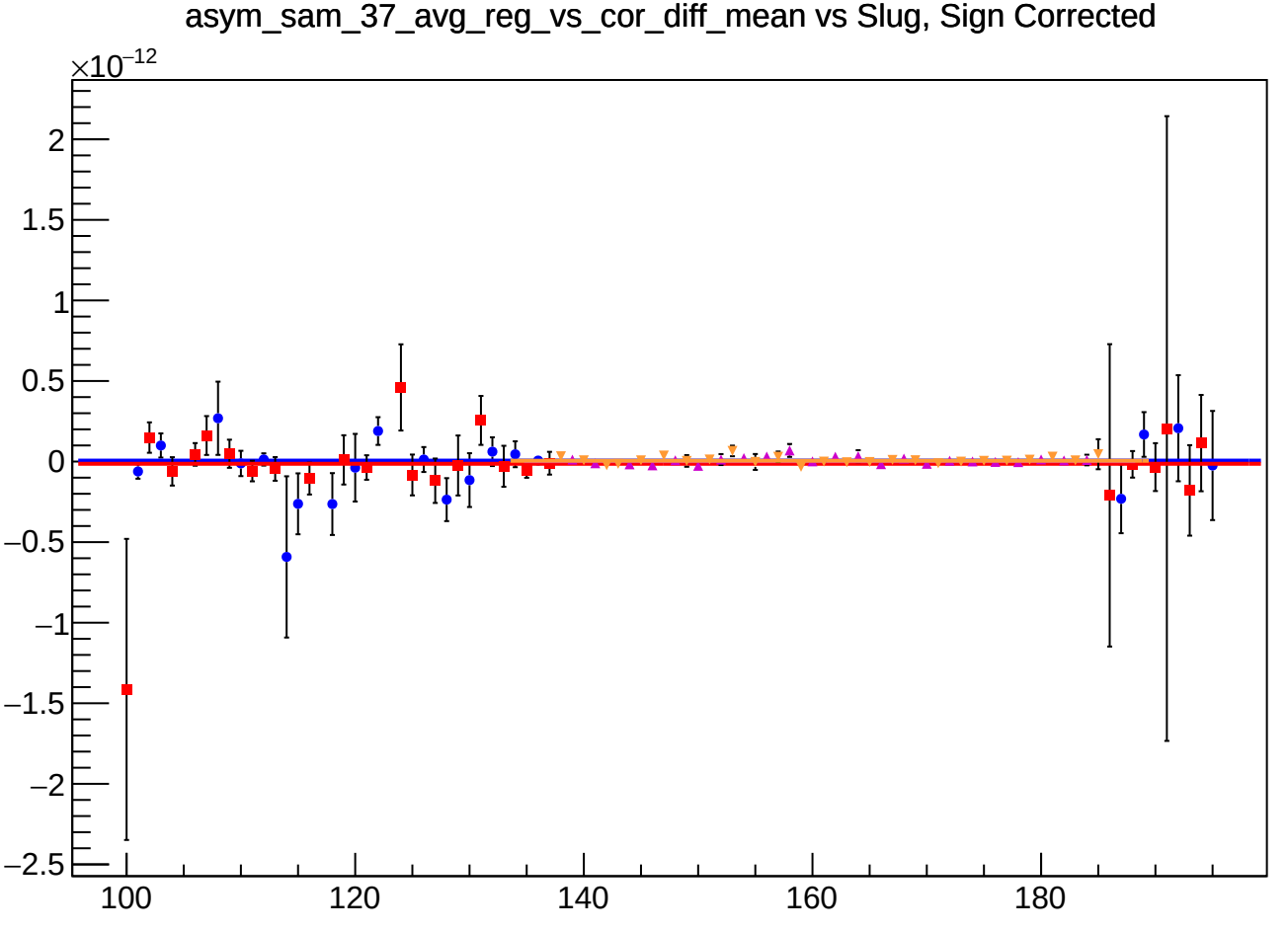
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1086.958+/-0.180 χ^2/NDF: 5112729.5/44

In: 605.568+/-0.087 χ^2/NDF:7677927.2/42

Out: 613.703+/-0.086 χ^2/NDF:9218379.4/49

All: 609.712+/-0.061 χ^2/NDF: 16900726.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/24

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

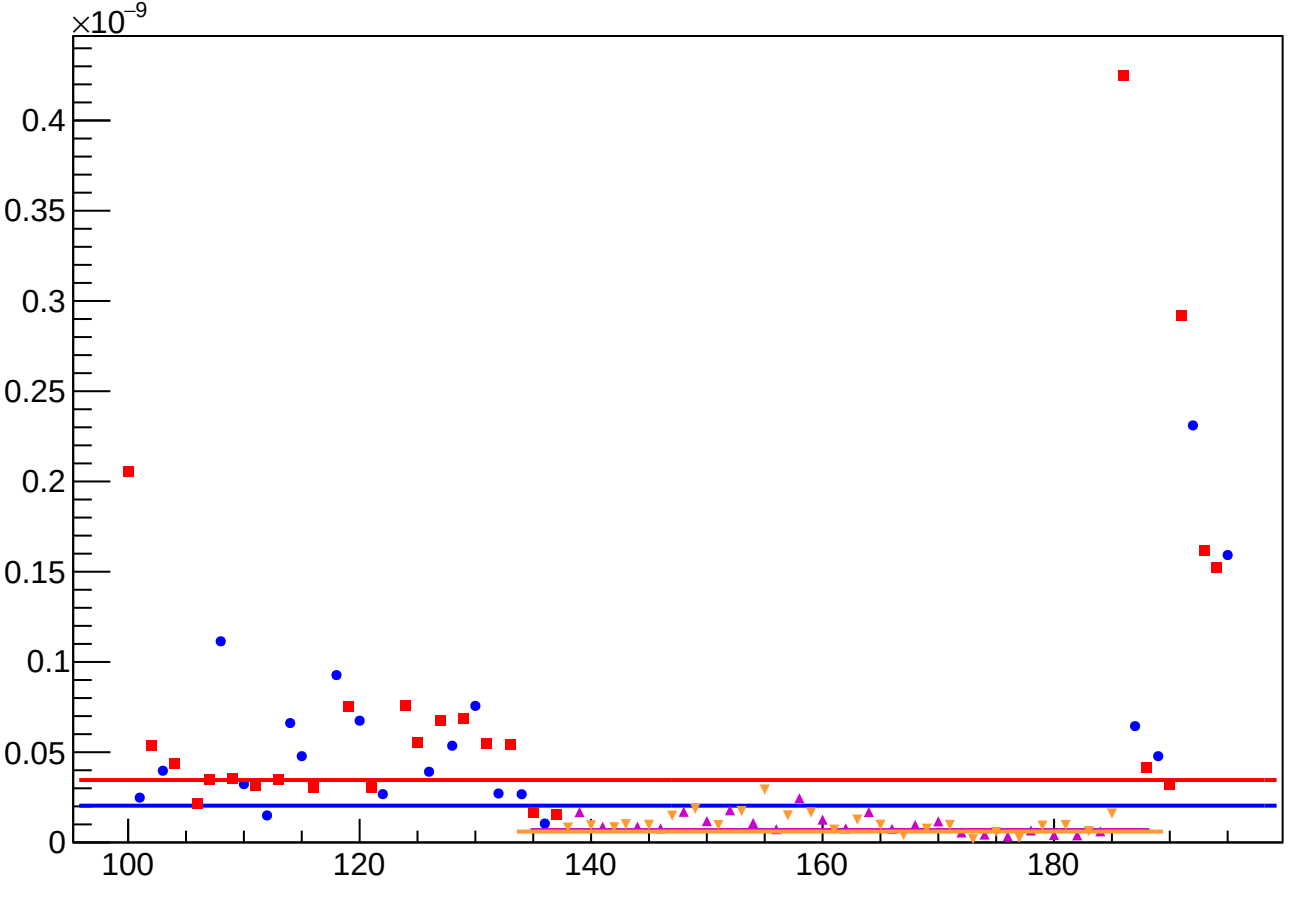
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 42.3/44

In: 0.000+/-0.000 χ^2/NDF:42.7/42

Out: 0.000+/-0.000 χ^2/NDF:35.5/49

All: 0.000+/-0.000 χ^2/NDF: 78.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 3309439.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2314414.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

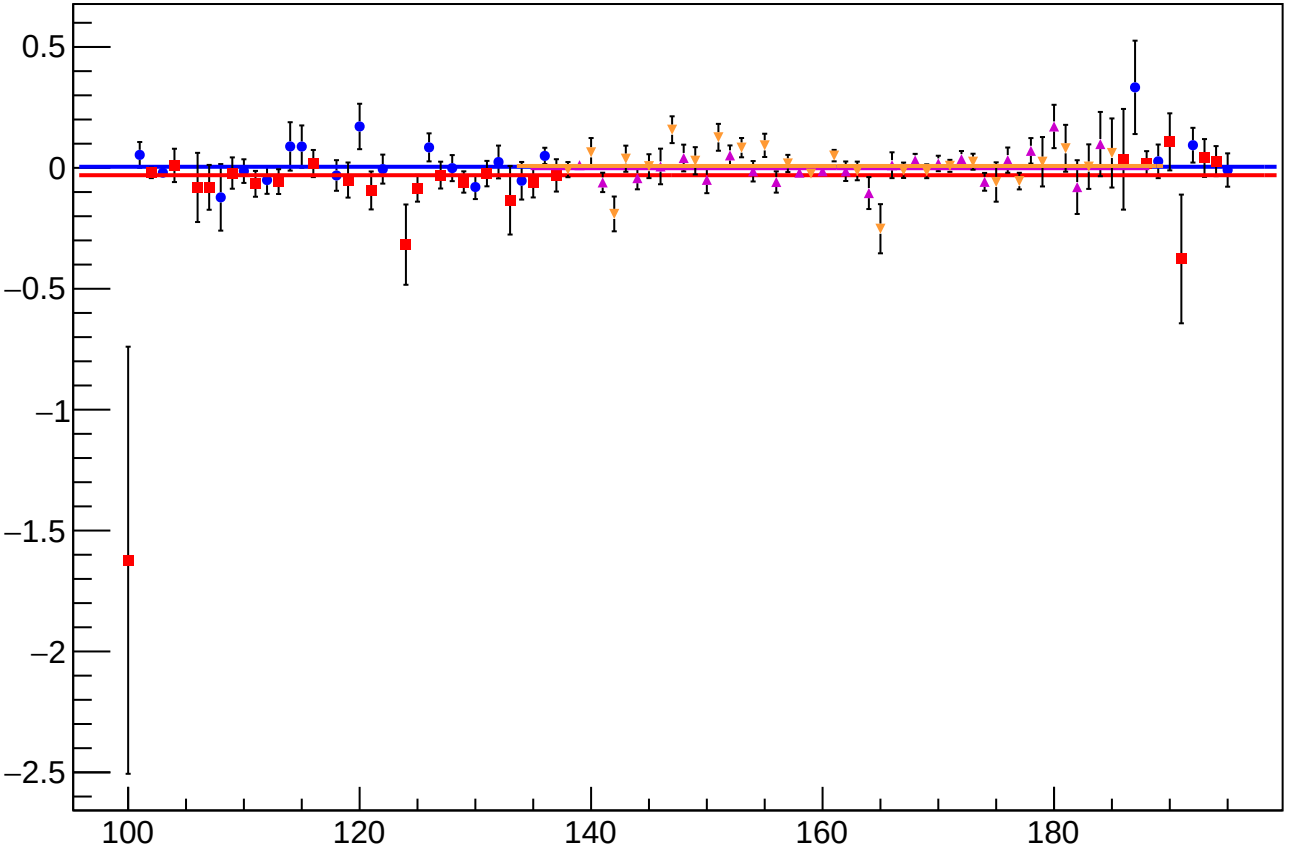
Right: 0.000+/-0.000 χ^2/NDF: 6298662.2/44

In: 0.000+/-0.000 χ^2/NDF:7419478.4/42

Out: 0.000+/-0.000 χ^2/NDF:9983961.7/49

All: 0.000+/-0.000 χ^2/NDF: 17478701.2/92

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/19

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.030+/-0.012 χ^2/NDF: 17.4/24

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

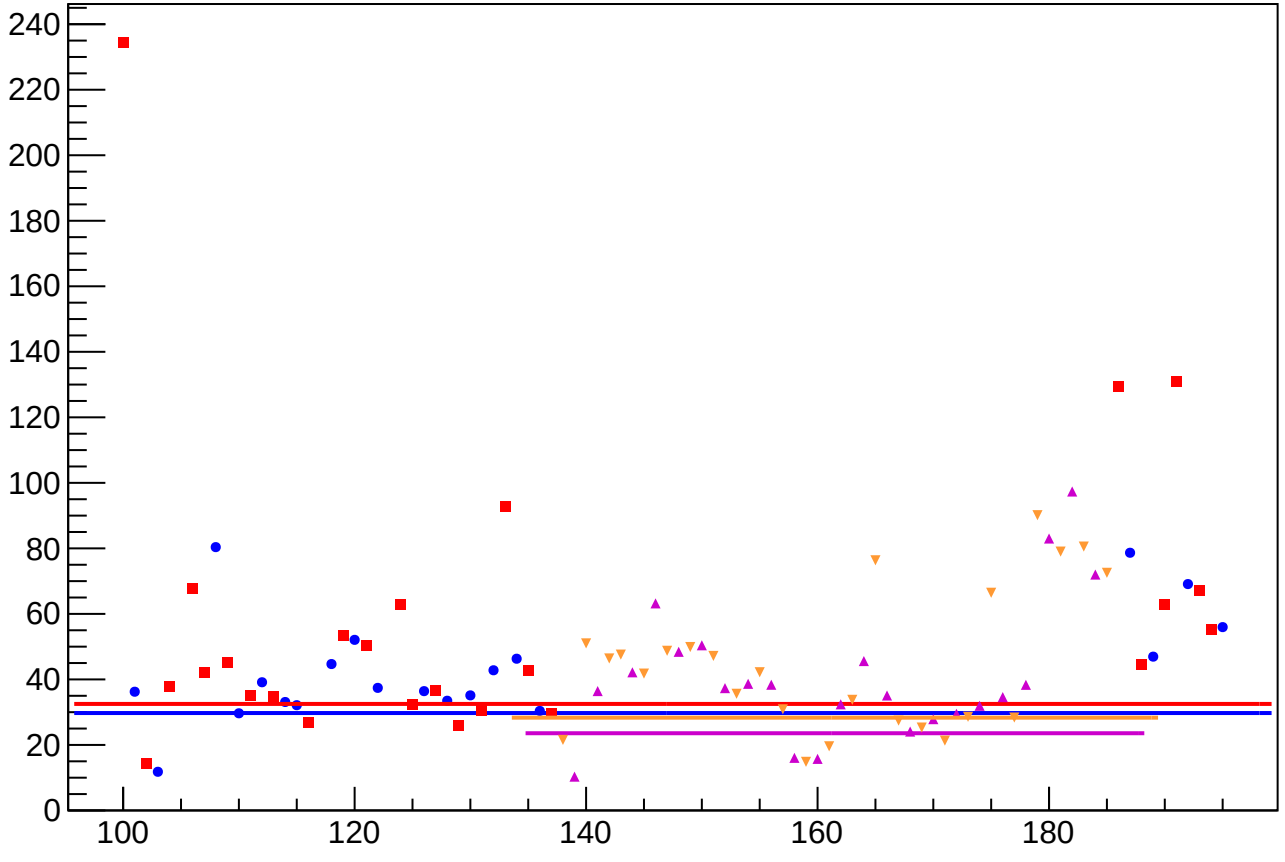
Right: -0.012+/-0.008 χ^2/NDF: 43.0/44

In: 0.000+/-0.006 χ^2/NDF:46.5/42

Out: -0.003+/-0.006 χ^2/NDF:72.4/49

All: -0.001+/-0.004 χ^2/NDF: 119.1/92

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.737+/-0.008 χ^2/NDF: 3650460.4/19

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 32.517+/-0.008 χ^2/NDF: 4227516.5/24

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

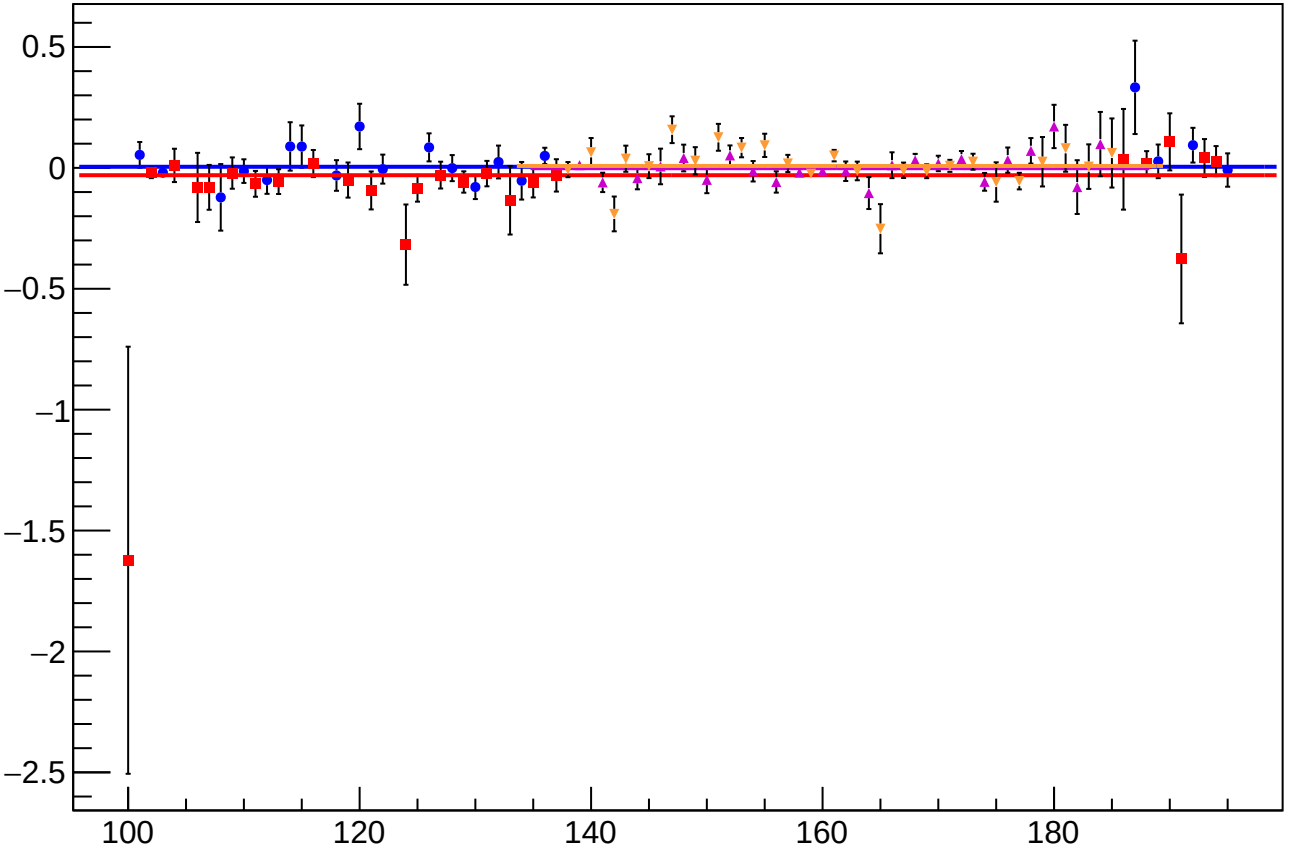
Right: 31.094+/-0.006 χ^2/NDF: 7934877.8/44

In: 25.169+/-0.004 χ^2/NDF:12339261.7/42

Out: 29.550+/-0.005 χ^2/NDF:11194733.9/49

All: 27.175+/-0.003 χ^2/NDF: 24046070.7/92

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/19

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.030+/-0.012 χ^2/NDF: 17.4/24

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

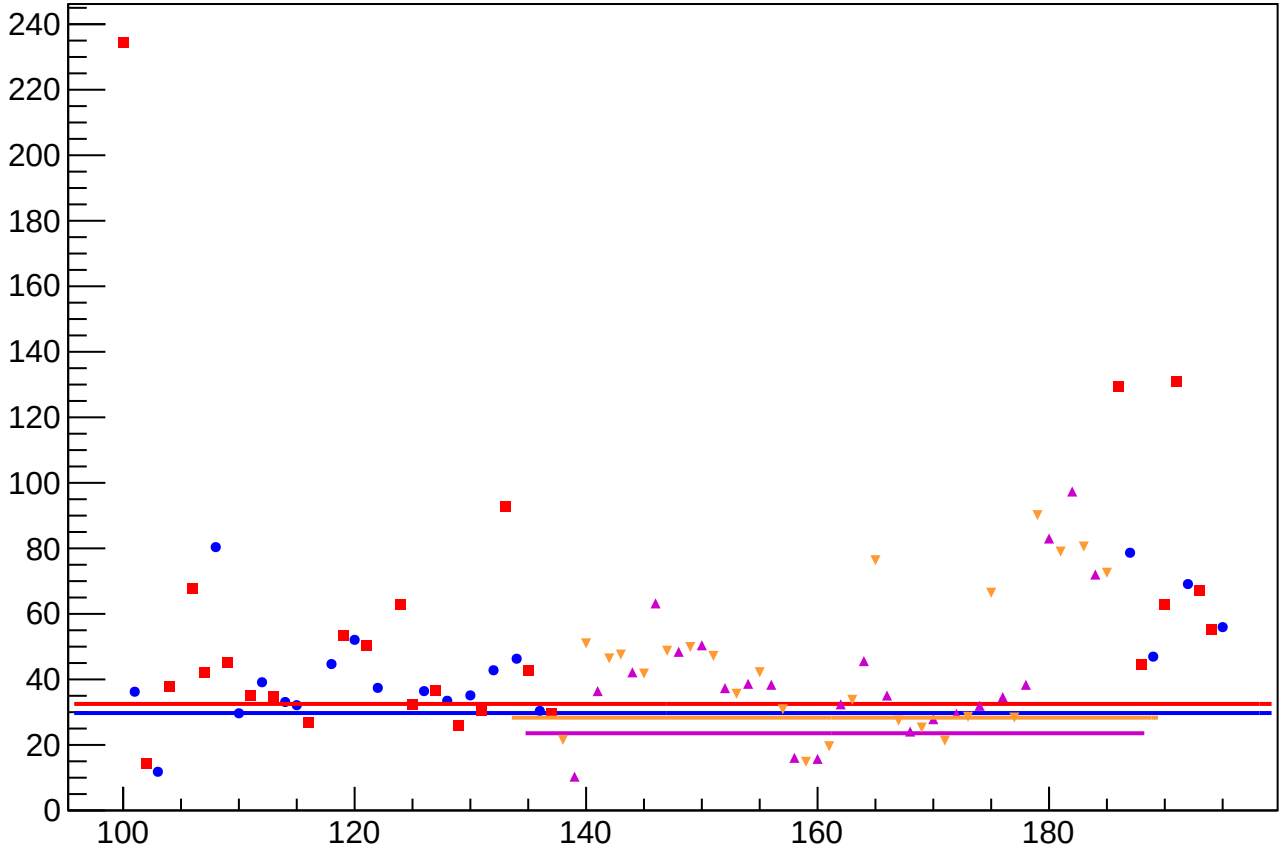
Right: -0.012+/-0.008 χ^2/NDF: 43.0/44

In: 0.000+/-0.006 χ^2/NDF:46.5/42

Out: -0.003+/-0.006 χ^2/NDF:72.4/49

All: -0.001+/-0.004 χ^2/NDF: 119.1/92

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.737+/-0.008 χ^2/NDF: 3650460.4/19

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 32.517+/-0.008 χ^2/NDF: 4227516.5/24

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

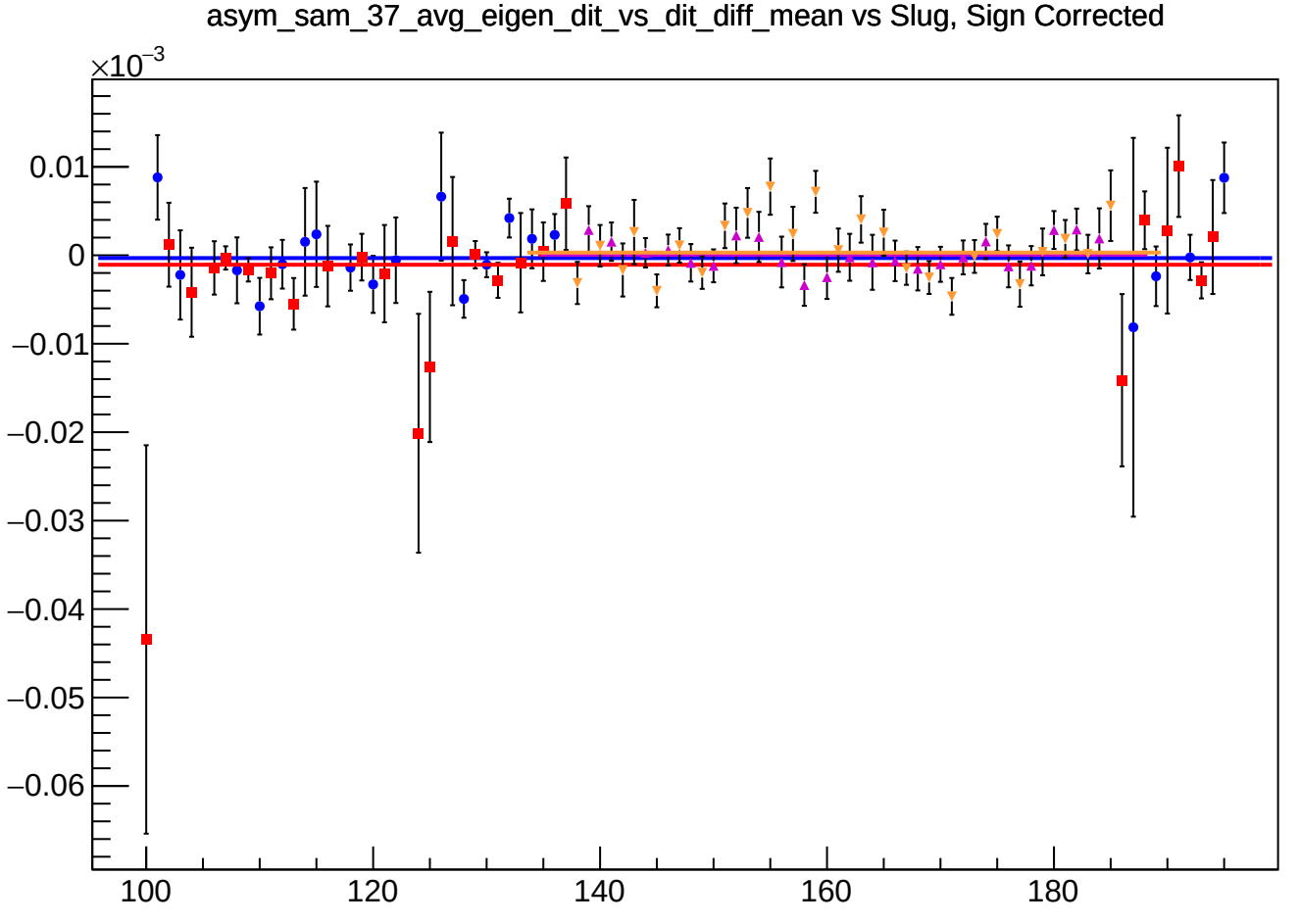
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 31.094+/-0.006 χ^2/NDF: 7934877.8/44

In: 25.169+/-0.004 χ^2/NDF:12339261.7/42

Out: 29.550+/-0.005 χ^2/NDF:11194733.9/49

All: 27.175+/-0.003 χ^2/NDF: 24046070.7/92



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/24

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

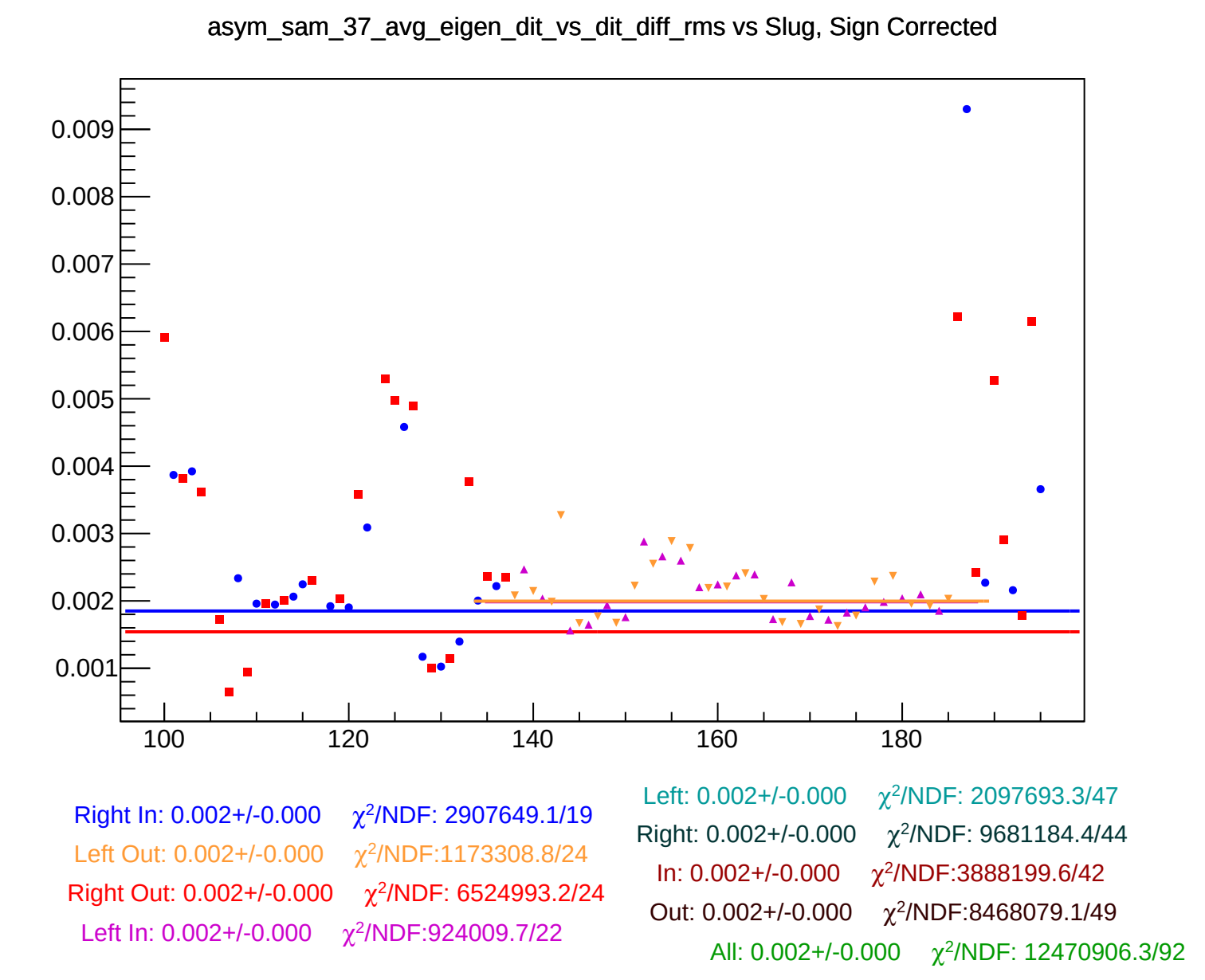
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.2/44

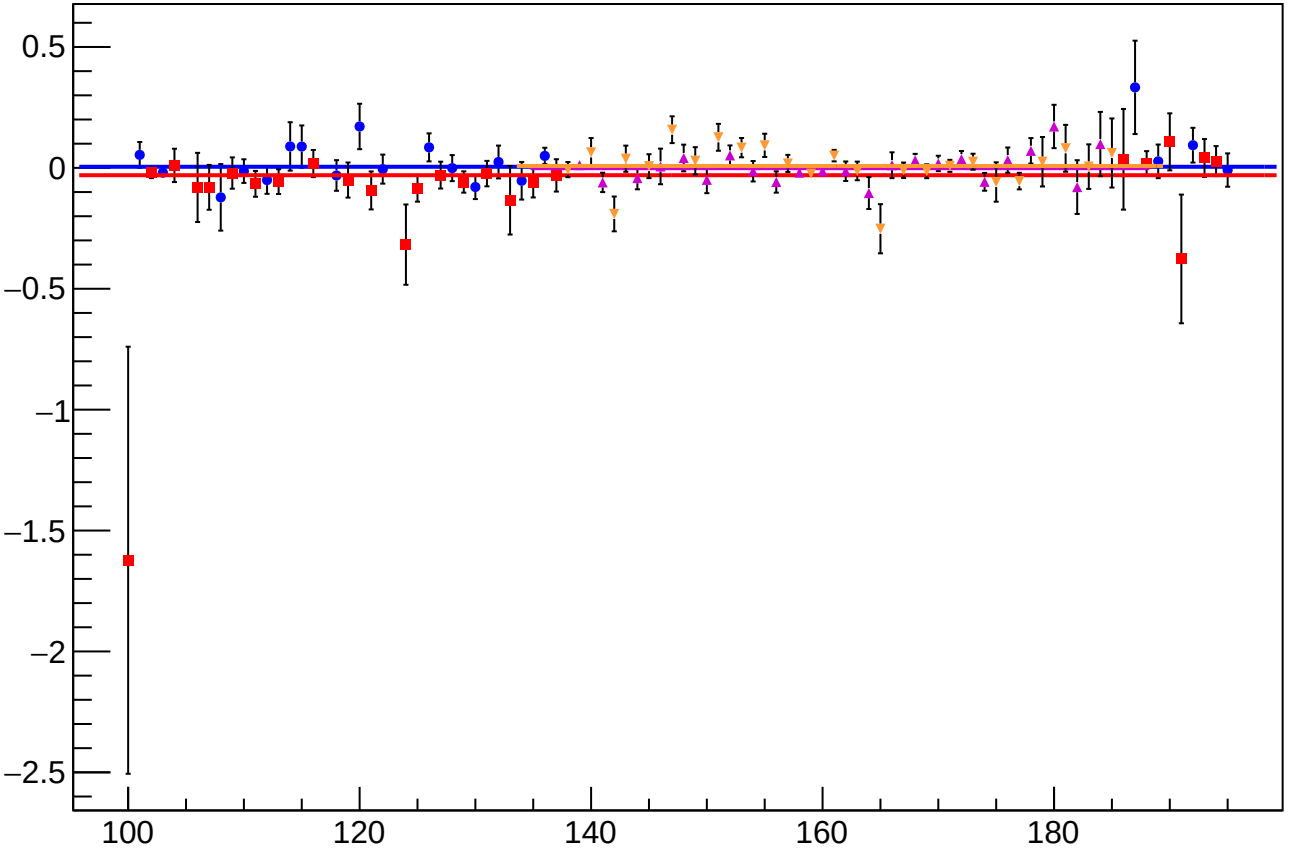
In: -0.000+/-0.000 χ^2/NDF:38.1/42

Out: -0.000+/-0.000 χ^2/NDF:72.9/49

All: -0.000+/-0.000 χ^2/NDF: 111.1/92


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
Right In: 0.002+/-0.000 χ²/NDF: 2907649.1/19
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 6524993.2/24
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: 9681184.4/44
In: 0.002+/-0.000 χ²/NDF:3888199.6/42
Out: 0.002+/-0.000 χ²/NDF:8468079.1/49
All: 0.002+/-0.000 χ²/NDF: 12470906.3/92

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/19

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.030+/-0.012 χ^2/NDF: 17.4/24

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

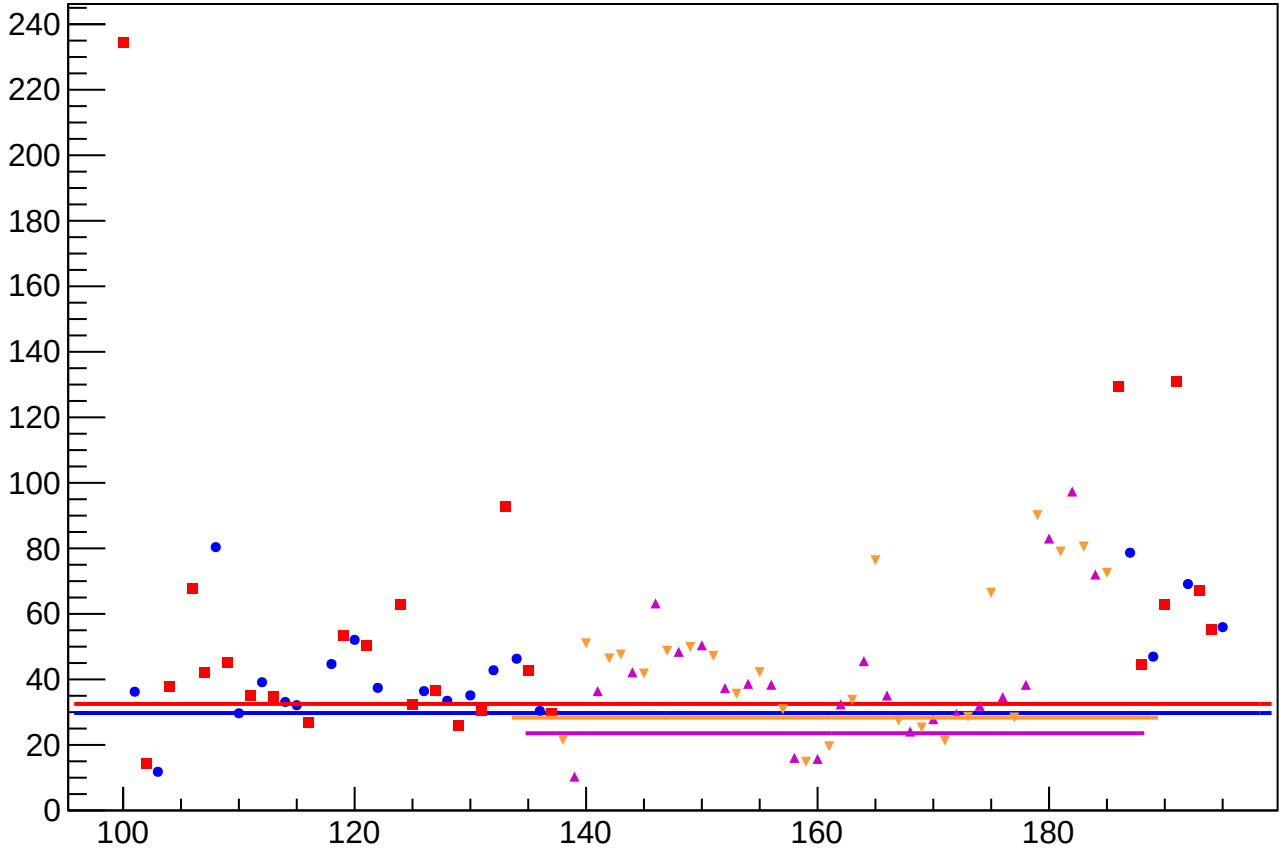
Right: -0.012+/-0.008 χ^2/NDF: 43.0/44

In: 0.000+/-0.006 χ^2/NDF:46.5/42

Out: -0.003+/-0.006 χ^2/NDF:72.4/49

All: -0.001+/-0.004 χ^2/NDF: 119.1/92

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.736+/-0.008 χ^2/NDF: 3650737.7/19

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 32.519+/-0.008 χ^2/NDF: 4226649.8/24

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

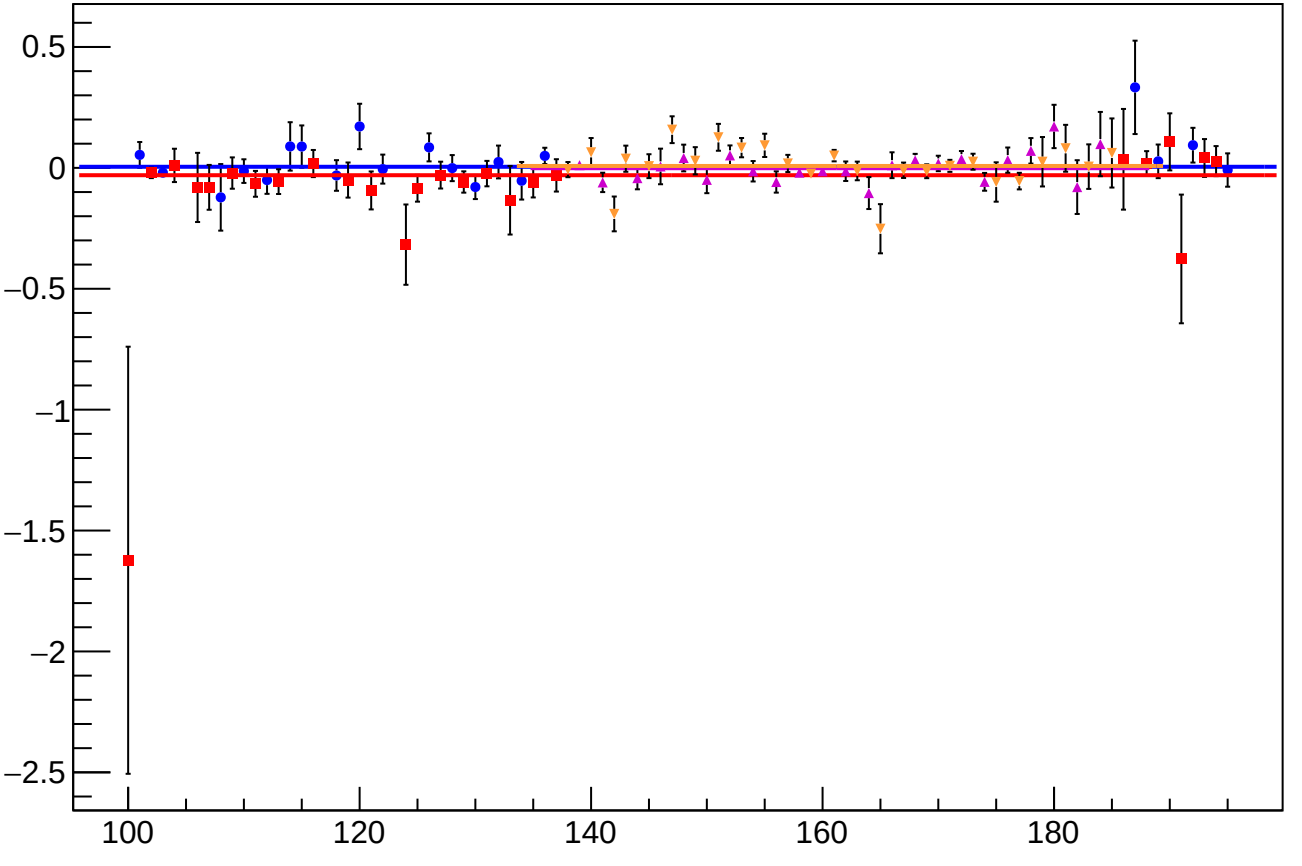
Right: 31.095+/-0.006 χ^2/NDF: 7934430.8/44

In: 25.168+/-0.004 χ^2/NDF:12340651.3/42

Out: 29.550+/-0.005 χ^2/NDF:11194577.0/49

All: 27.175+/-0.003 χ^2/NDF: 24047666.5/92

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.012 χ^2/NDF: 21.2/19

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.030+/-0.012 χ^2/NDF: 17.4/24

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

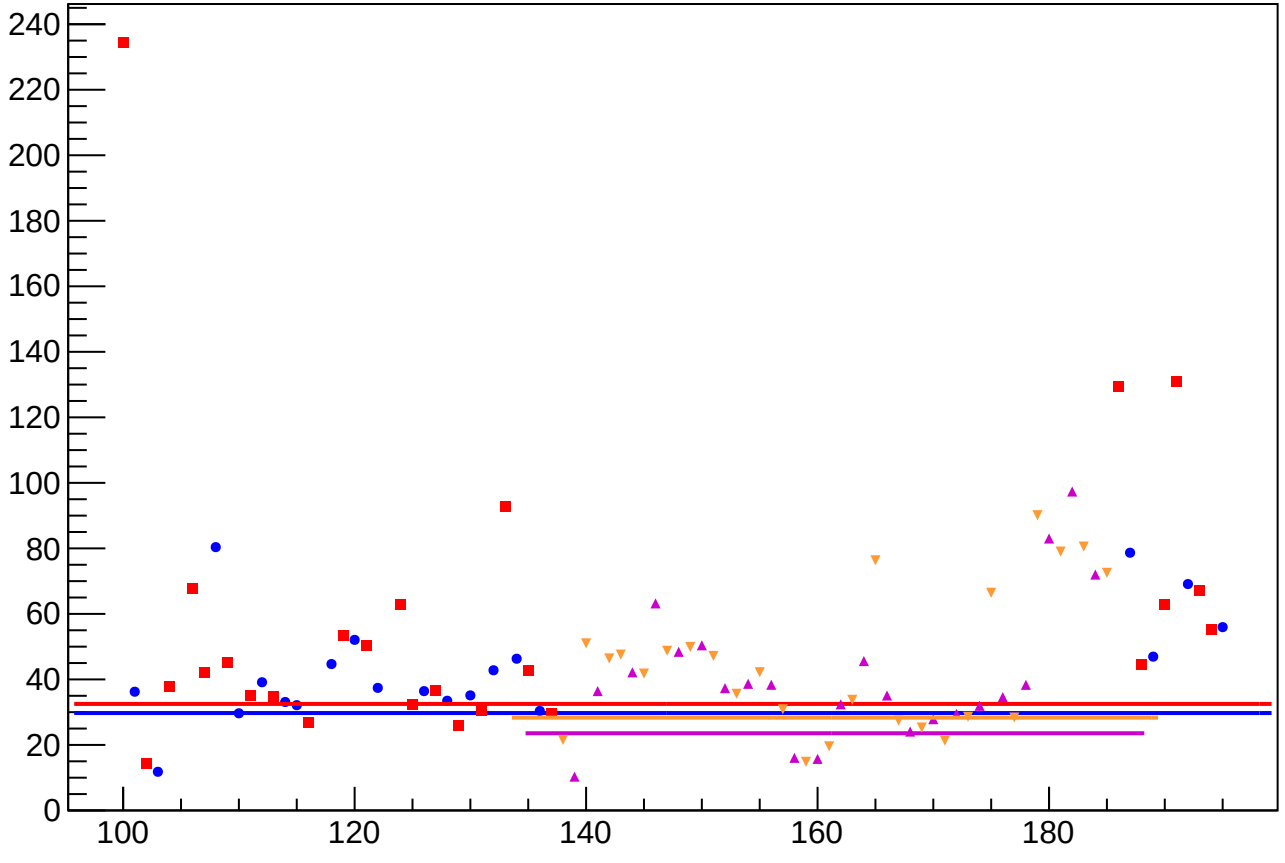
Right: -0.012+/-0.008 χ^2/NDF: 43.0/44

In: 0.000+/-0.006 χ^2/NDF:46.5/42

Out: -0.003+/-0.006 χ^2/NDF:72.4/49

All: -0.001+/-0.004 χ^2/NDF: 119.1/92

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.736+/-0.008 χ^2/NDF: 3650737.7/19

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 32.519+/-0.008 χ^2/NDF: 4226649.8/24

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

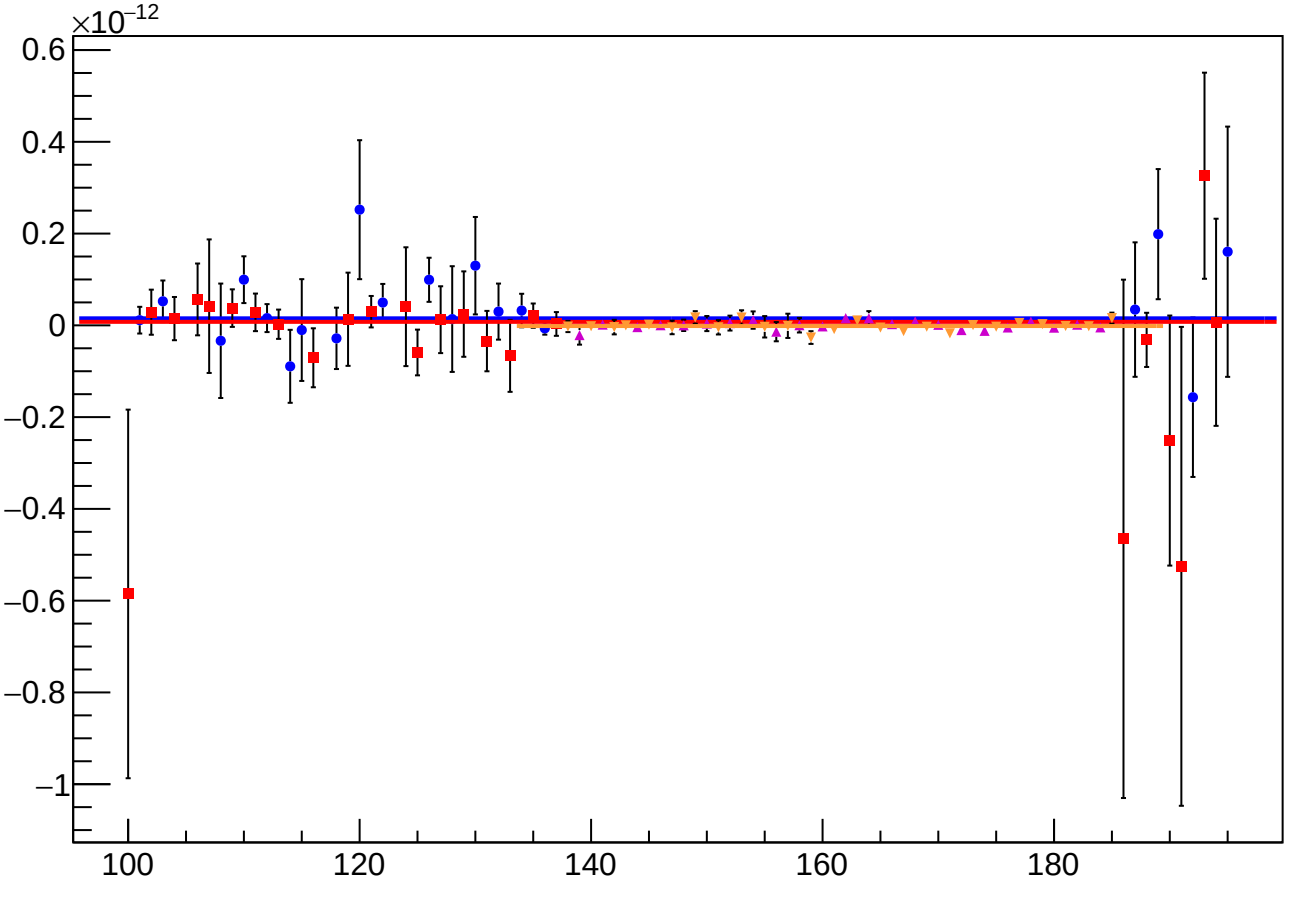
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 31.095+/-0.006 χ^2/NDF: 7934430.8/44

In: 25.168+/-0.004 χ^2/NDF:12340651.3/42

Out: 29.550+/-0.005 χ^2/NDF:11194577.0/49

All: 27.175+/-0.003 χ^2/NDF: 24047666.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/24

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

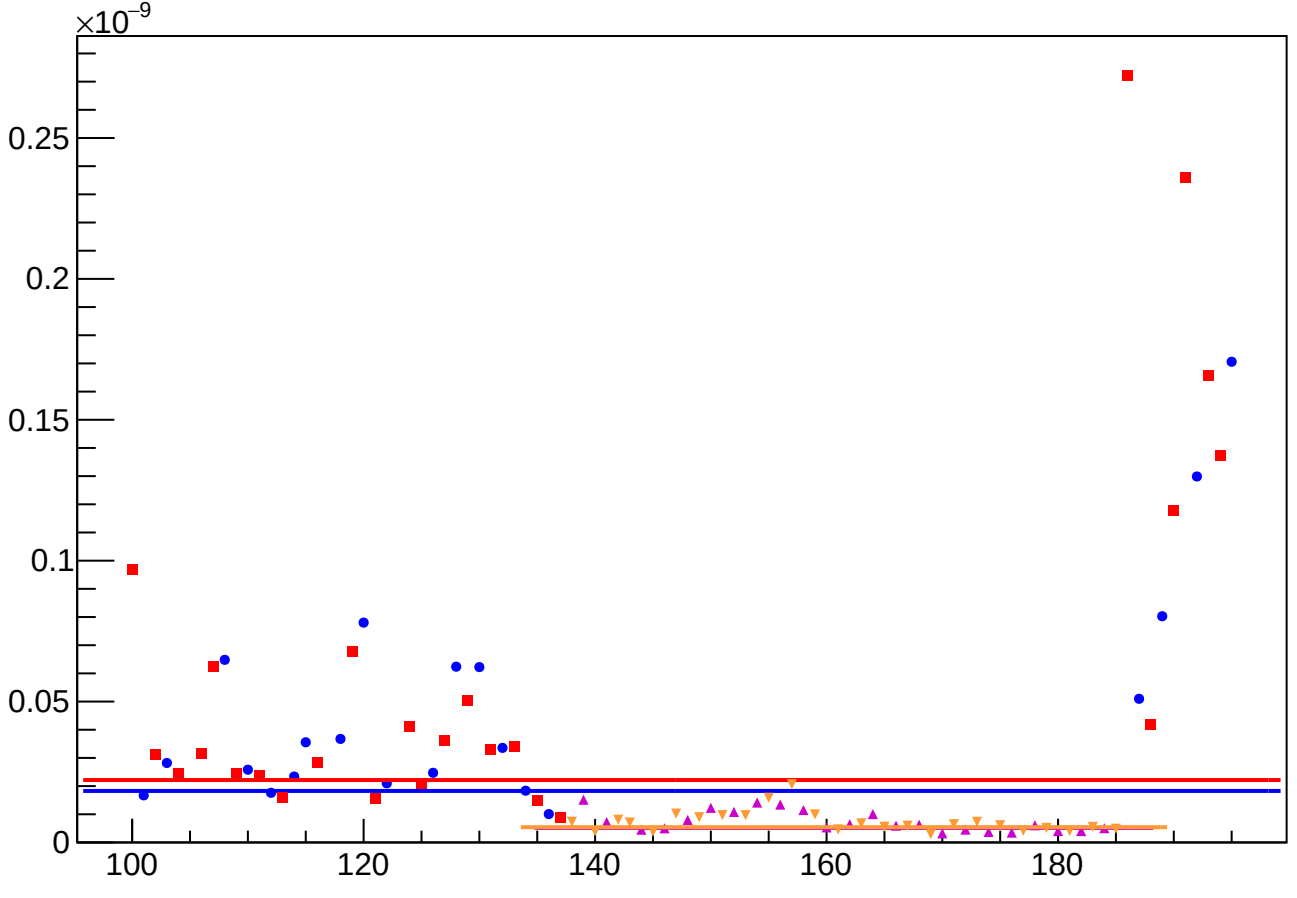
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 33.3/44

In: -0.000+/-0.000 χ^2/NDF:37.8/42

Out: -0.000+/-0.000 χ^2/NDF:32.4/49

All: -0.000+/-0.000 χ^2/NDF: 70.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 4392028.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4503062.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

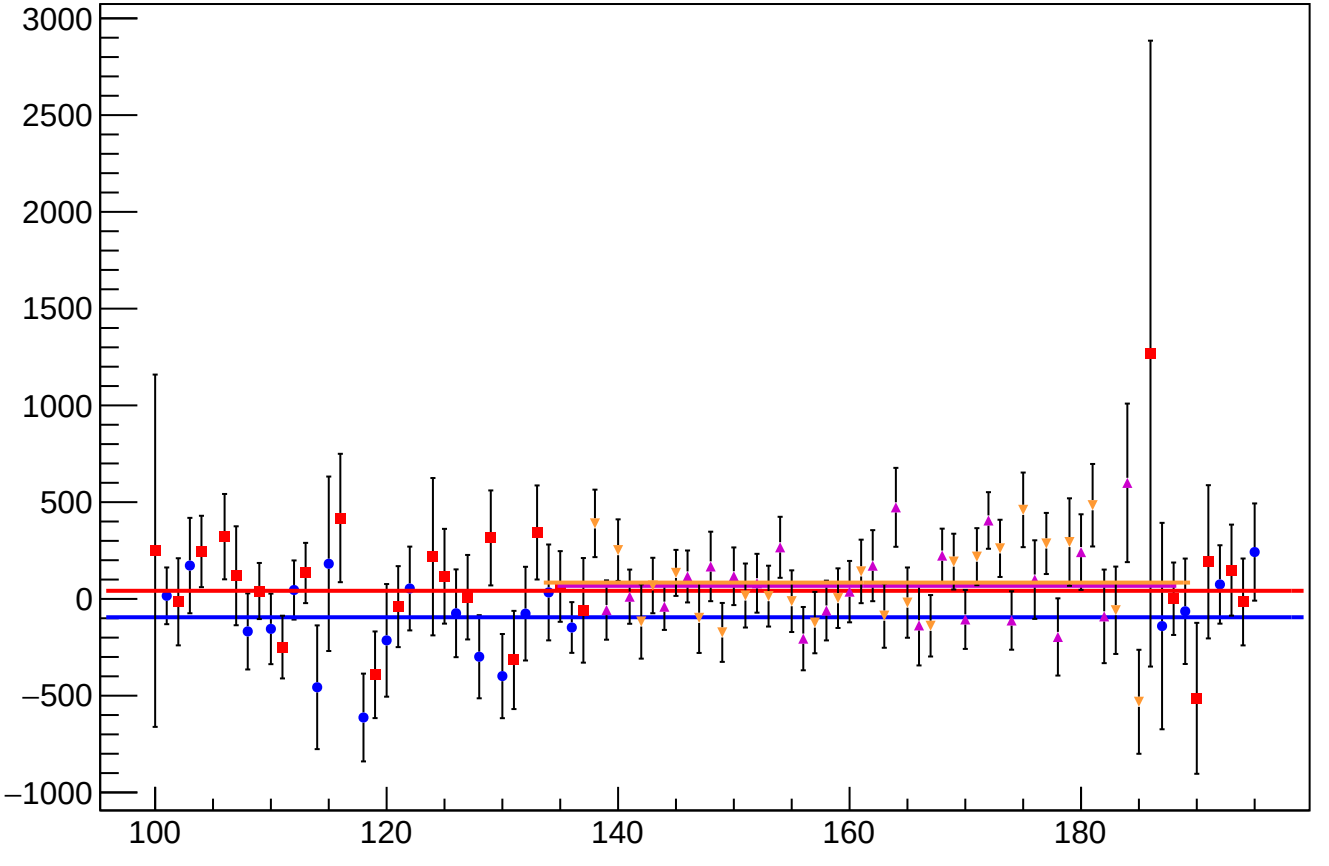
Right: 0.000+/-0.000 χ^2/NDF: 9044425.4/44

In: 0.000+/-0.000 χ^2/NDF:11555140.9/42

Out: 0.000+/-0.000 χ^2/NDF:12413177.9/49

All: 0.000+/-0.000 χ^2/NDF: 23991165.6/92

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -94.752+/-47.666 χ^2/NDF: 16.2/19

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 41.944+/-45.584 χ^2/NDF: 20.1/24

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

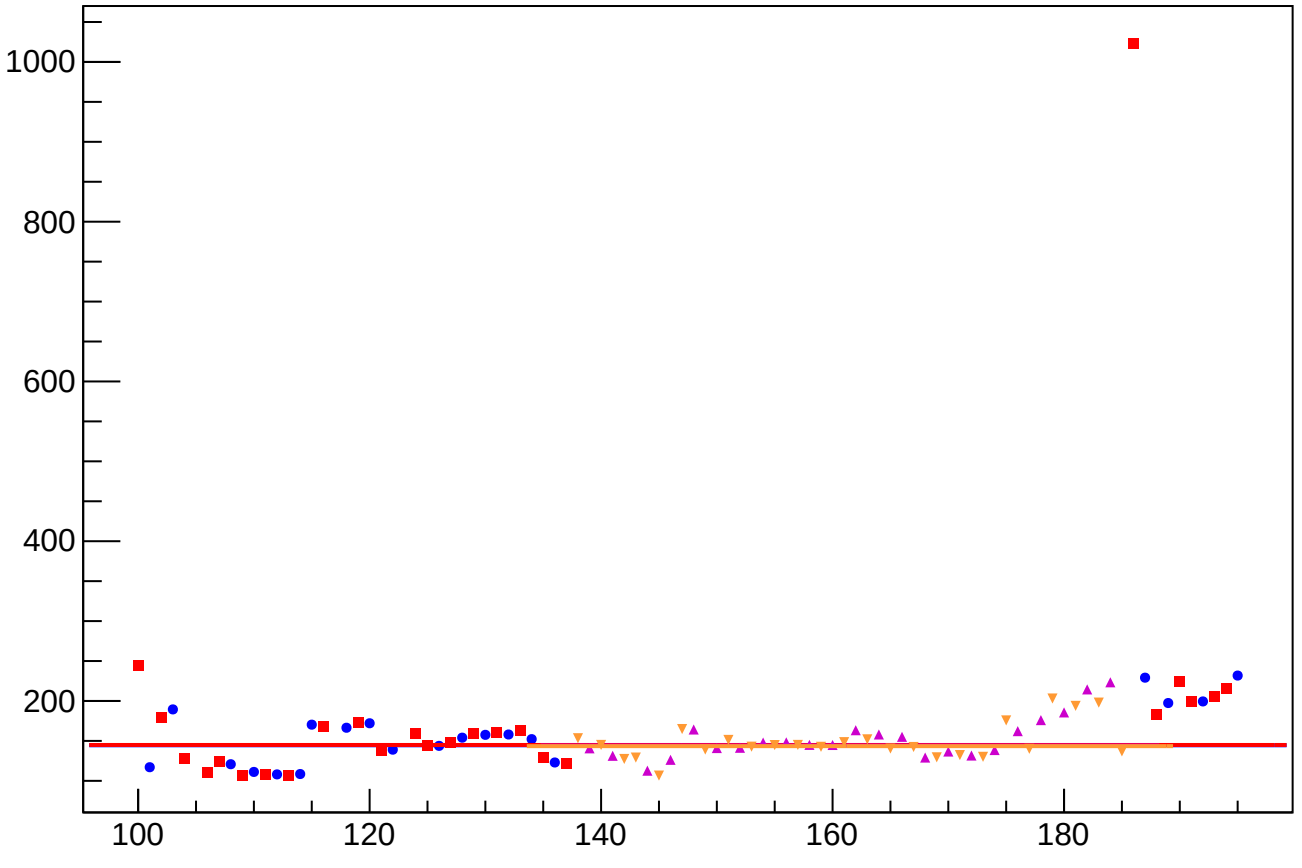
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -23.353+/-32.944 χ^2/NDF: 40.6/44

In: 12.591+/-27.754 χ^2/NDF:50.4/42

Out: 69.730+/-26.749 χ^2/NDF:54.5/49

All: 42.213+/-19.260 χ^2/NDF: 107.0/92



Right In: 144.517+/-0.034 χ^2/NDF: 1003758.2/19

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 144.910+/-0.032 χ^2/NDF: 1728573.4/24

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

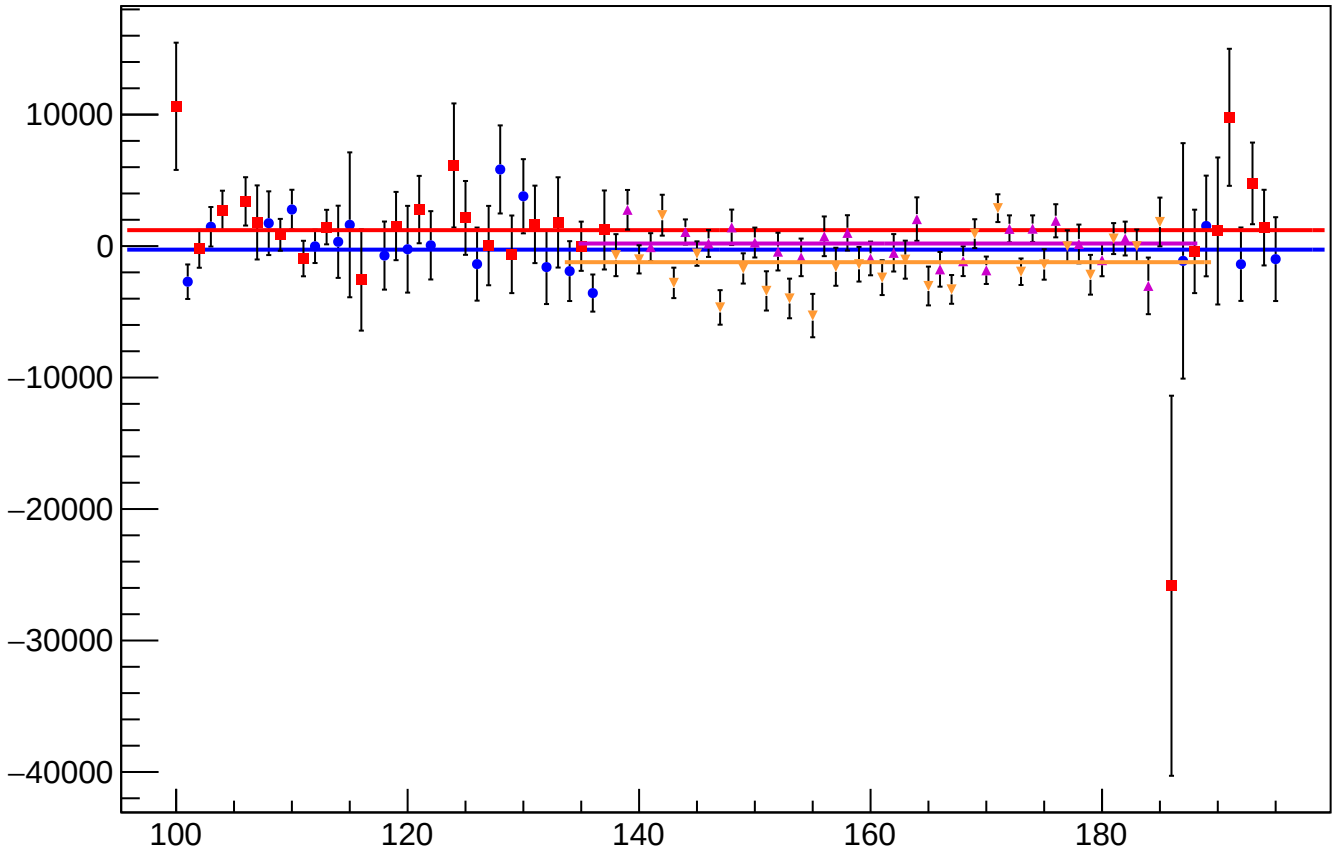
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 144.722+/-0.023 χ^2/NDF: 2732402.4/44

In: 144.288+/-0.020 χ^2/NDF:1706541.9/42

Out: 143.948+/-0.019 χ^2/NDF:2476970.7/49

All: 144.112+/-0.014 χ^2/NDF: 4183667.9/92



Right In: -271.680+/-483.098 χ^2/NDF: 22.0/19

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1210.703+/-449.222 χ^2/NDF: 21.2/24

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

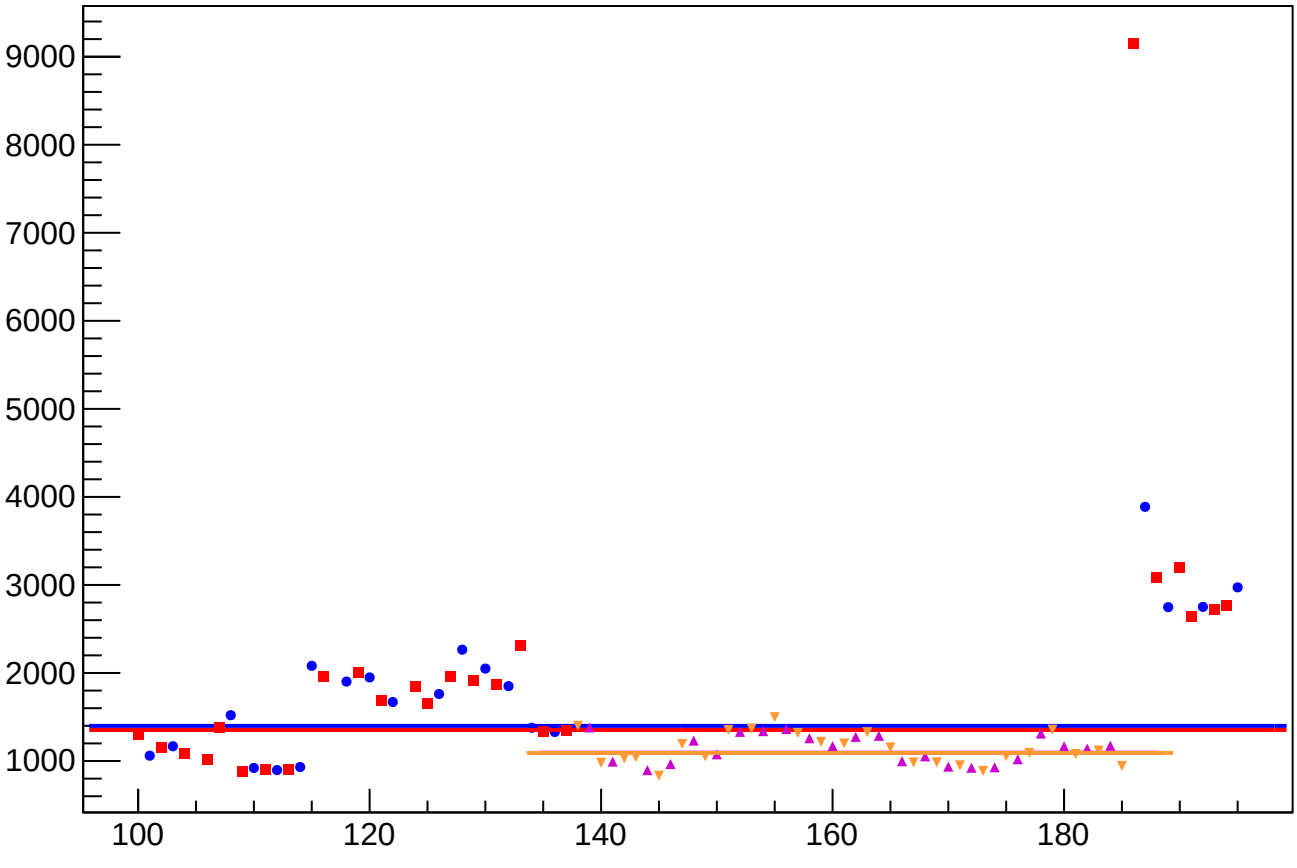
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 523.302+/-328.973 χ^2/NDF: 48.3/44

In: 89.931+/-228.211 χ^2/NDF:46.1/42

Out: -642.841+/-219.626 χ^2/NDF:102.9/49

All: -290.496+/-158.247 χ^2/NDF: 154.3/92



Right In: 1399.091+/-0.342 χ^2/NDF: 2630882.1/19

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1352.868+/-0.318 χ^2/NDF: 3940852.8/24

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

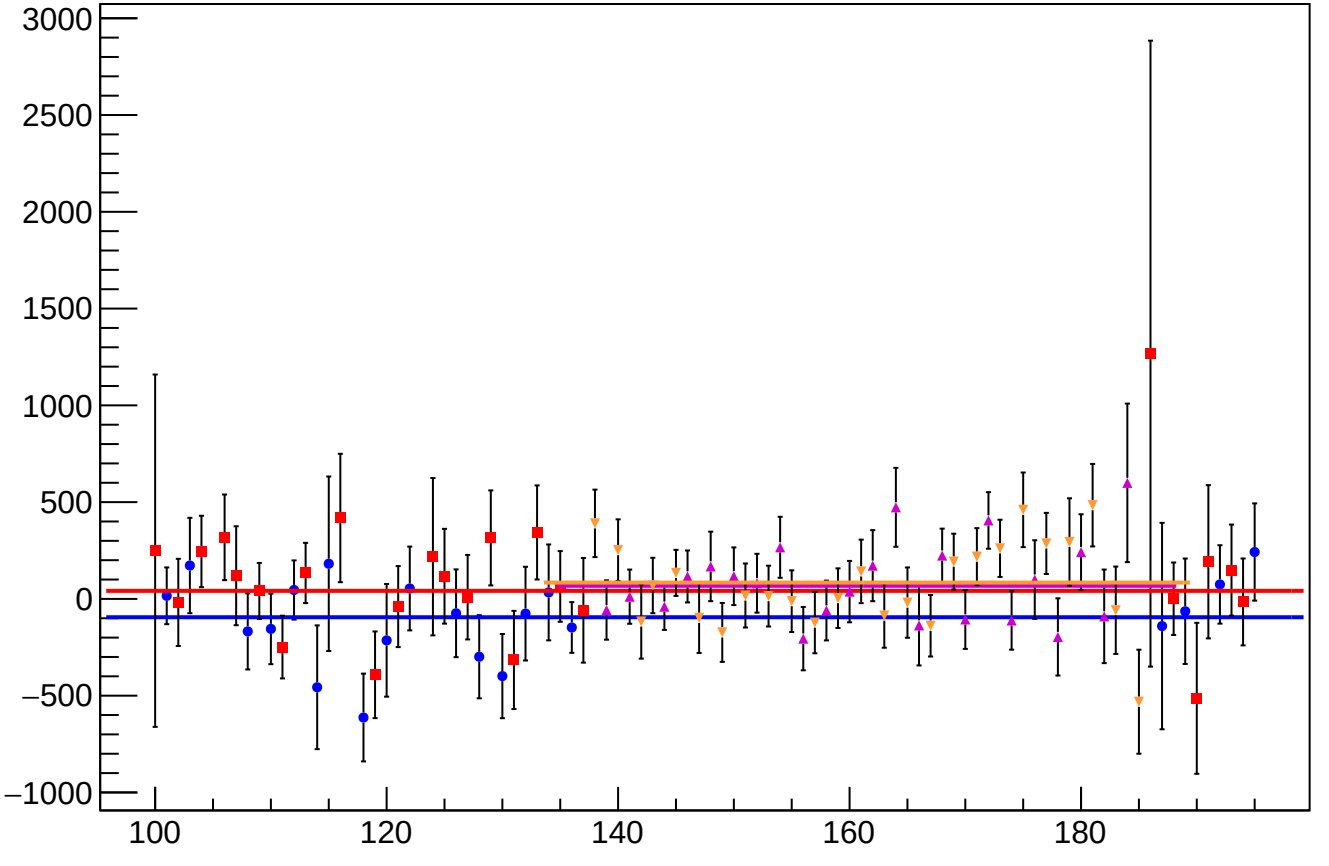
Right: 1374.302+/-0.233 χ^2/NDF: 6581554.3/44

In: 1162.454+/-0.161 χ^2/NDF:3981577.6/42

Out: 1154.339+/-0.155 χ^2/NDF:5346612.5/49

All: 1158.241+/-0.112 χ^2/NDF: 9329503.0/92

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -94.758+/-47.666 χ^2/NDF: 16.2/19

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 41.578+/-45.591 χ^2/NDF: 20.0/24

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

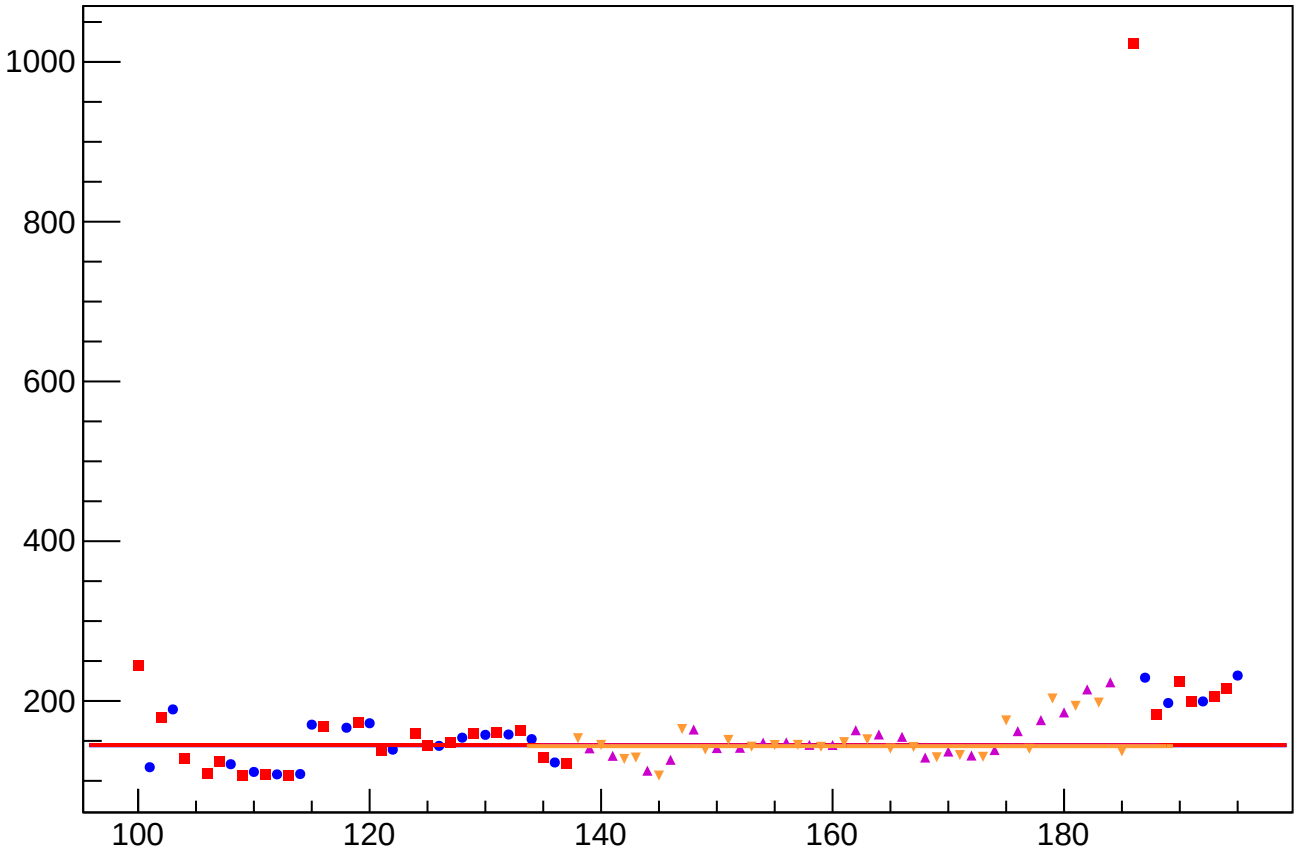
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -23.557+/-32.947 χ^2/NDF: 40.5/44

In: 12.590+/-27.754 χ^2/NDF:50.4/42

Out: 69.616+/-26.751 χ^2/NDF:54.4/49

All: 42.152+/-19.260 χ^2/NDF: 107.0/92



Right In: 144.517+/-0.034 χ^2/NDF: 1003760.9/19

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 144.853+/-0.032 χ^2/NDF: 1733048.1/24

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

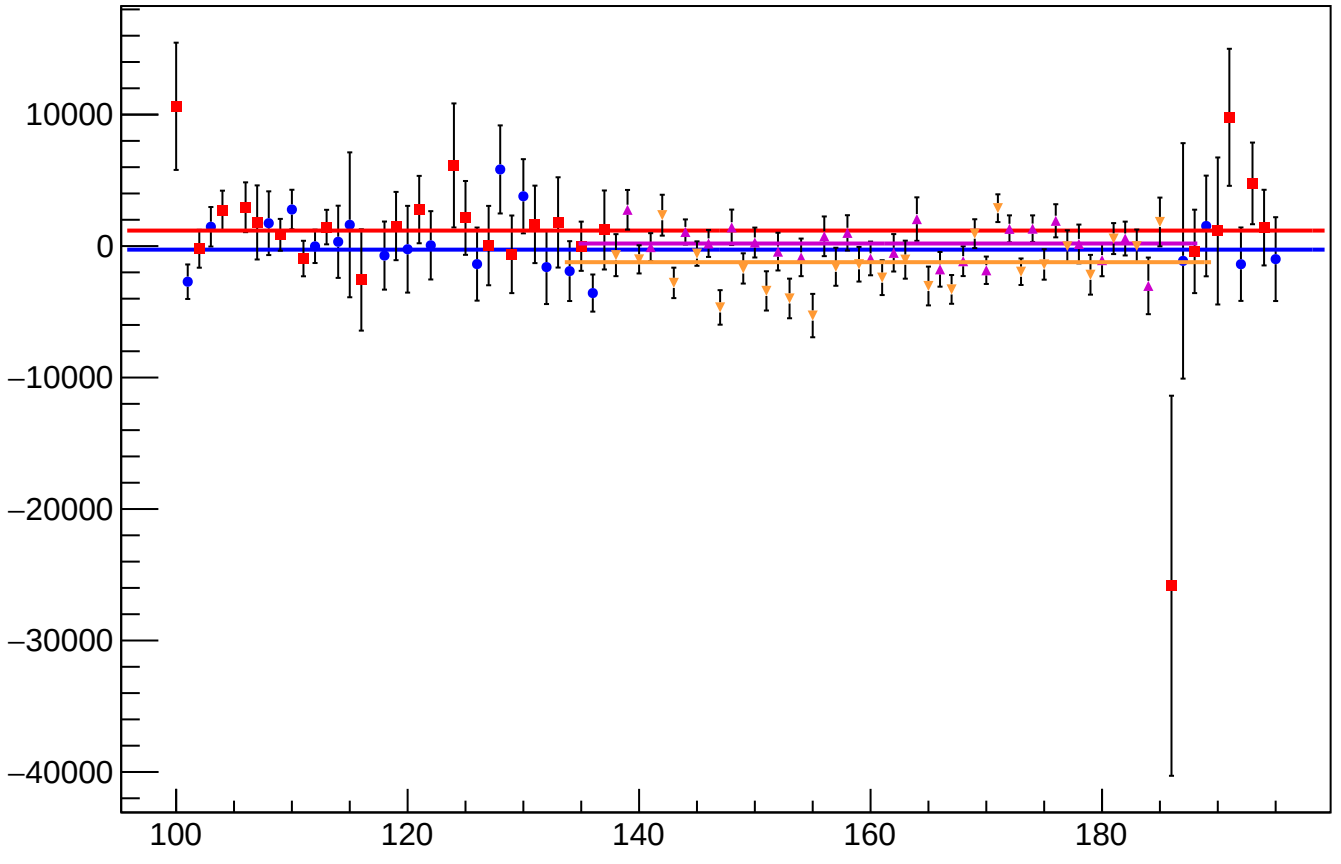
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 144.693+/-0.023 χ^2/NDF: 2736860.7/44

In: 144.288+/-0.020 χ^2/NDF:1706544.6/42

Out: 143.929+/-0.019 χ^2/NDF:2481342.2/49

All: 144.102+/-0.014 χ^2/NDF: 4188060.6/92



Right In: -271.745+/-483.102 χ^2/NDF: 22.0/19

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1178.551+/-450.037 χ^2/NDF: 20.6/24

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

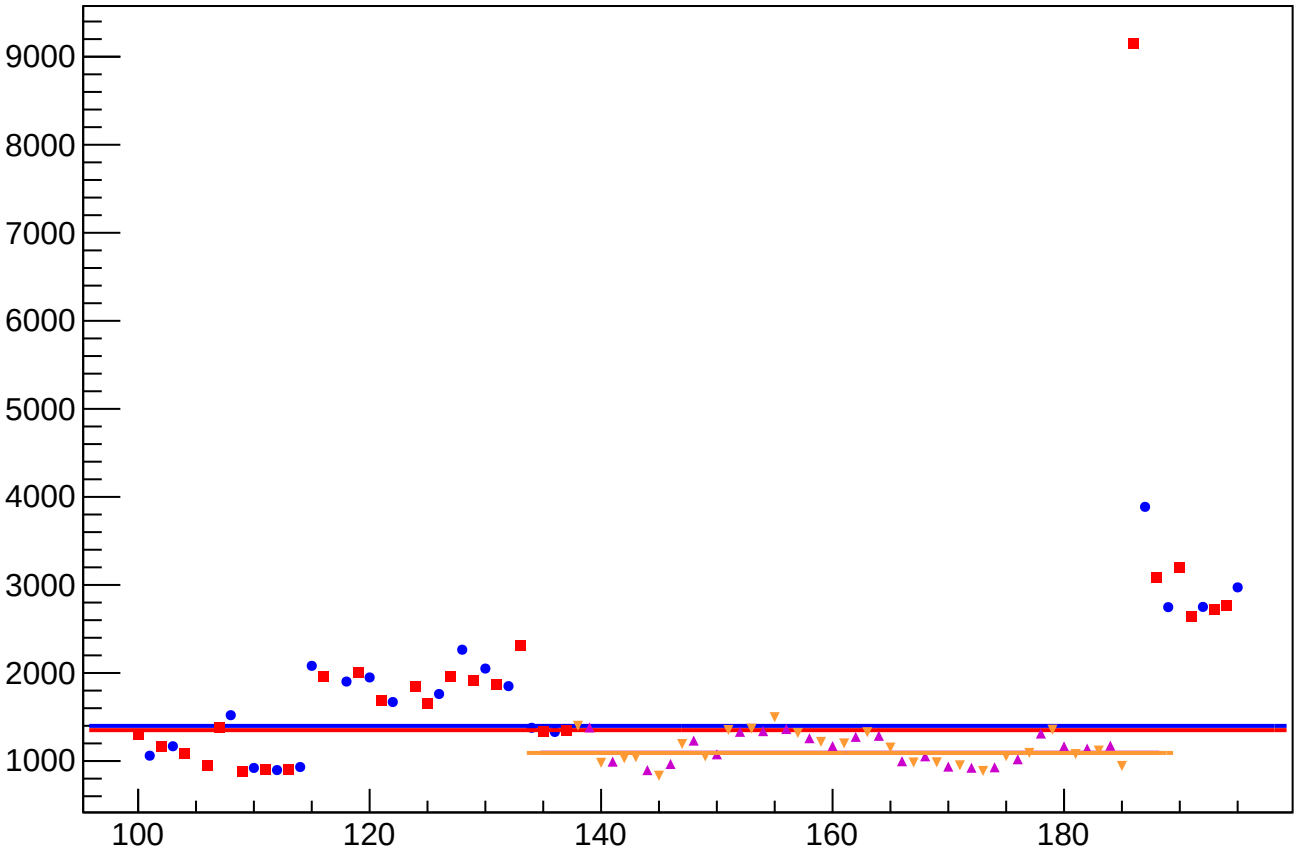
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 504.729+/-329.294 χ^2/NDF: 47.5/44

In: 89.920+/-228.211 χ^2/NDF:46.1/42

Out: -652.095+/-219.721 χ^2/NDF:101.6/49

All: -295.147+/-158.283 χ^2/NDF: 153.2/92



Right In: 1399.106+/-0.342 χ^2/NDF: 2630830.9/19

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1350.644+/-0.318 χ^2/NDF: 3961952.5/24

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

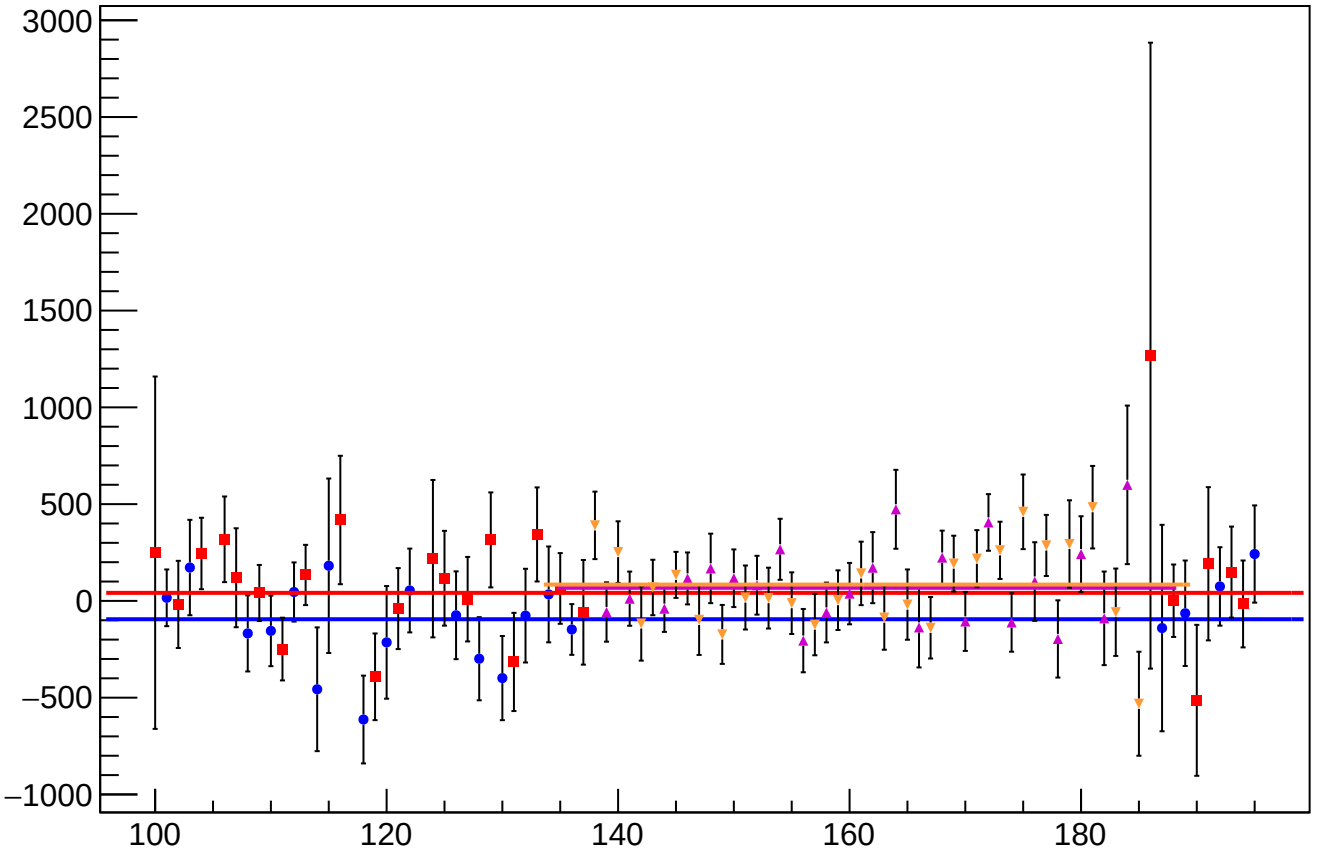
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1373.160+/-0.233 χ^2/NDF: 6603558.4/44

In: 1162.456+/-0.161 χ^2/NDF:3981576.8/42

Out: 1153.637+/-0.155 χ^2/NDF:5357609.3/49

All: 1157.879+/-0.112 χ^2/NDF: 9340736.2/92



Right In: -94.758+/-47.666 χ^2/NDF: 16.2/19

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 41.578+/-45.591 χ^2/NDF: 20.0/24

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

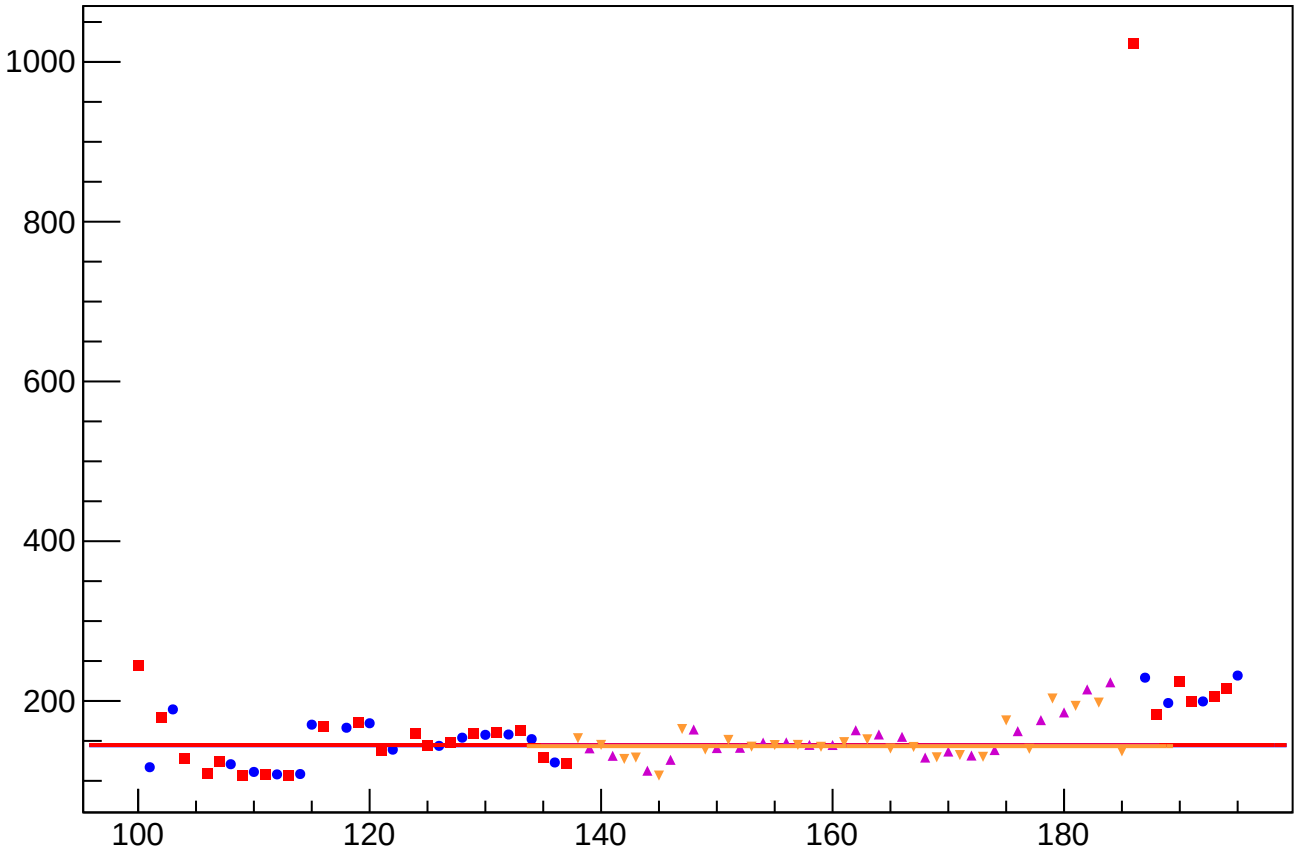
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -23.557+/-32.947 χ^2/NDF: 40.5/44

In: 12.590+/-27.754 χ^2/NDF:50.4/42

Out: 69.616+/-26.751 χ^2/NDF:54.4/49

All: 42.152+/-19.260 χ^2/NDF: 107.0/92



Right In: 144.517+/-0.034 χ^2/NDF: 1003760.9/19

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 144.853+/-0.032 χ^2/NDF: 1733048.1/24

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

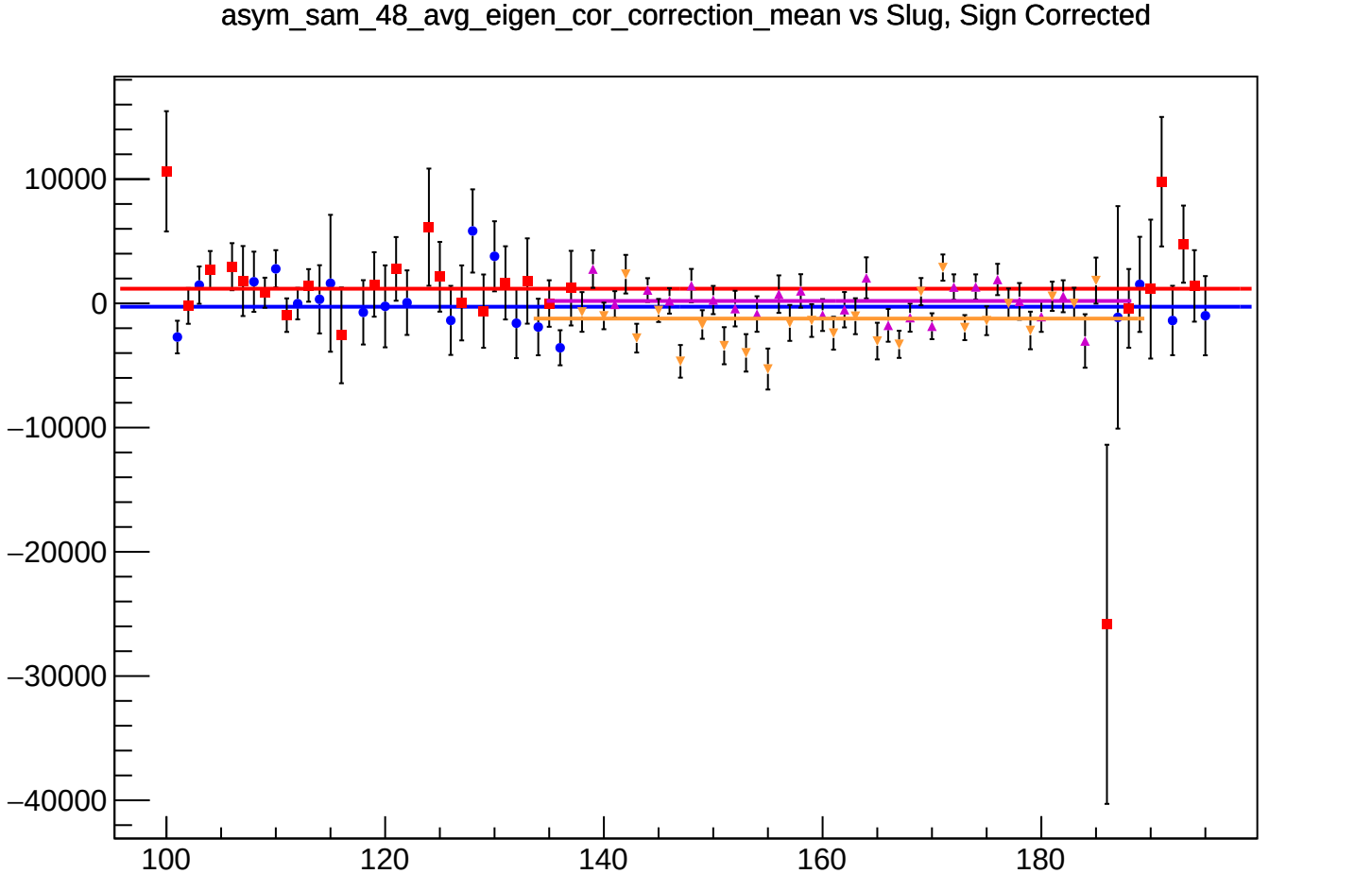
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 144.693+/-0.023 χ^2/NDF: 2736860.7/44

In: 144.288+/-0.020 χ^2/NDF:1706544.6/42

Out: 143.929+/-0.019 χ^2/NDF:2481342.2/49

All: 144.102+/-0.014 χ^2/NDF: 4188060.6/92



Right In: -271.745+/-483.102 χ^2/NDF: 22.0/19

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1178.551+/-450.037 χ^2/NDF: 20.6/24

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

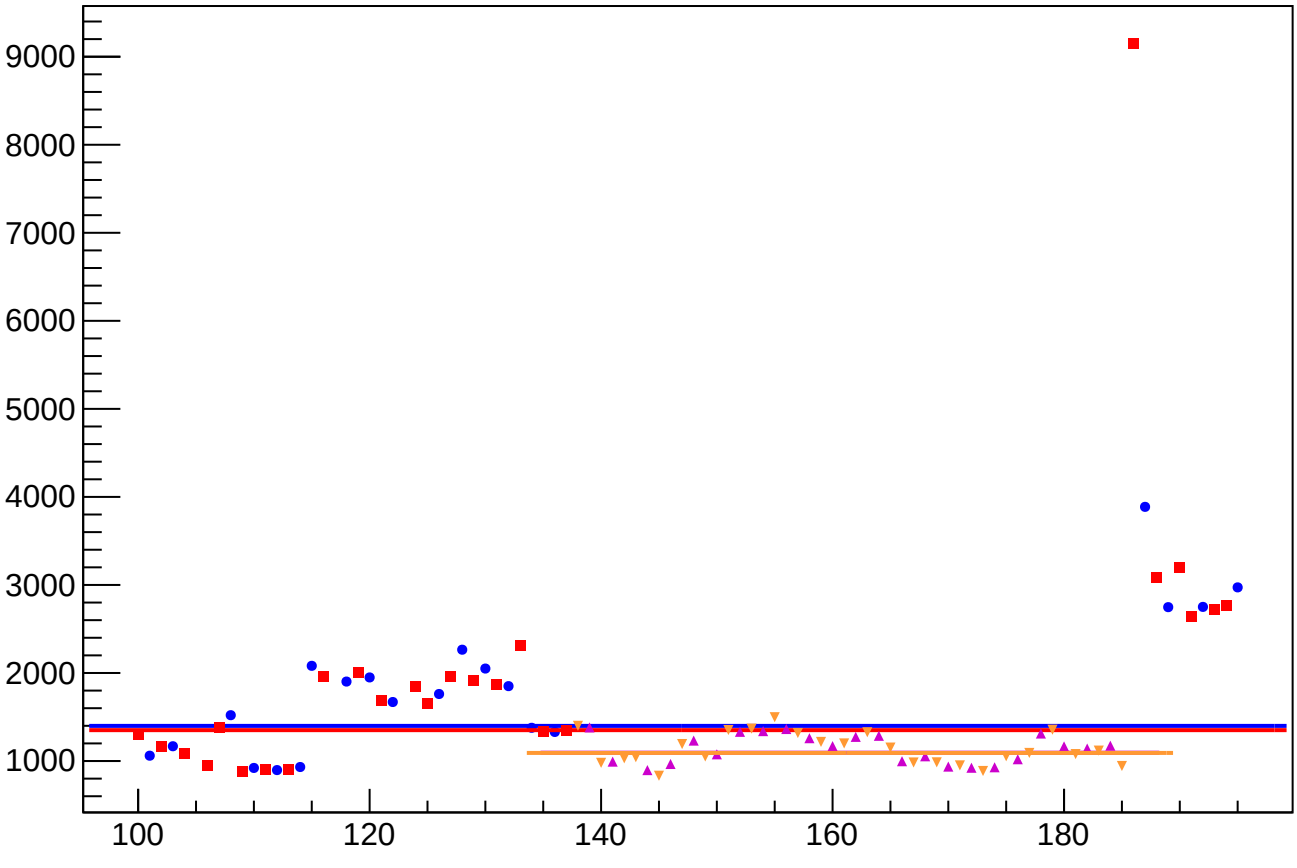
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 504.729+/-329.294 χ^2/NDF: 47.5/44

In: 89.920+/-228.211 χ^2/NDF:46.1/42

Out: -652.095+/-219.721 χ^2/NDF:101.6/49

All: -295.147+/-158.283 χ^2/NDF: 153.2/92



Right In: 1399.106+/-0.342 χ^2/NDF: 2630830.9/19

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1350.644+/-0.318 χ^2/NDF: 3961952.5/24

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

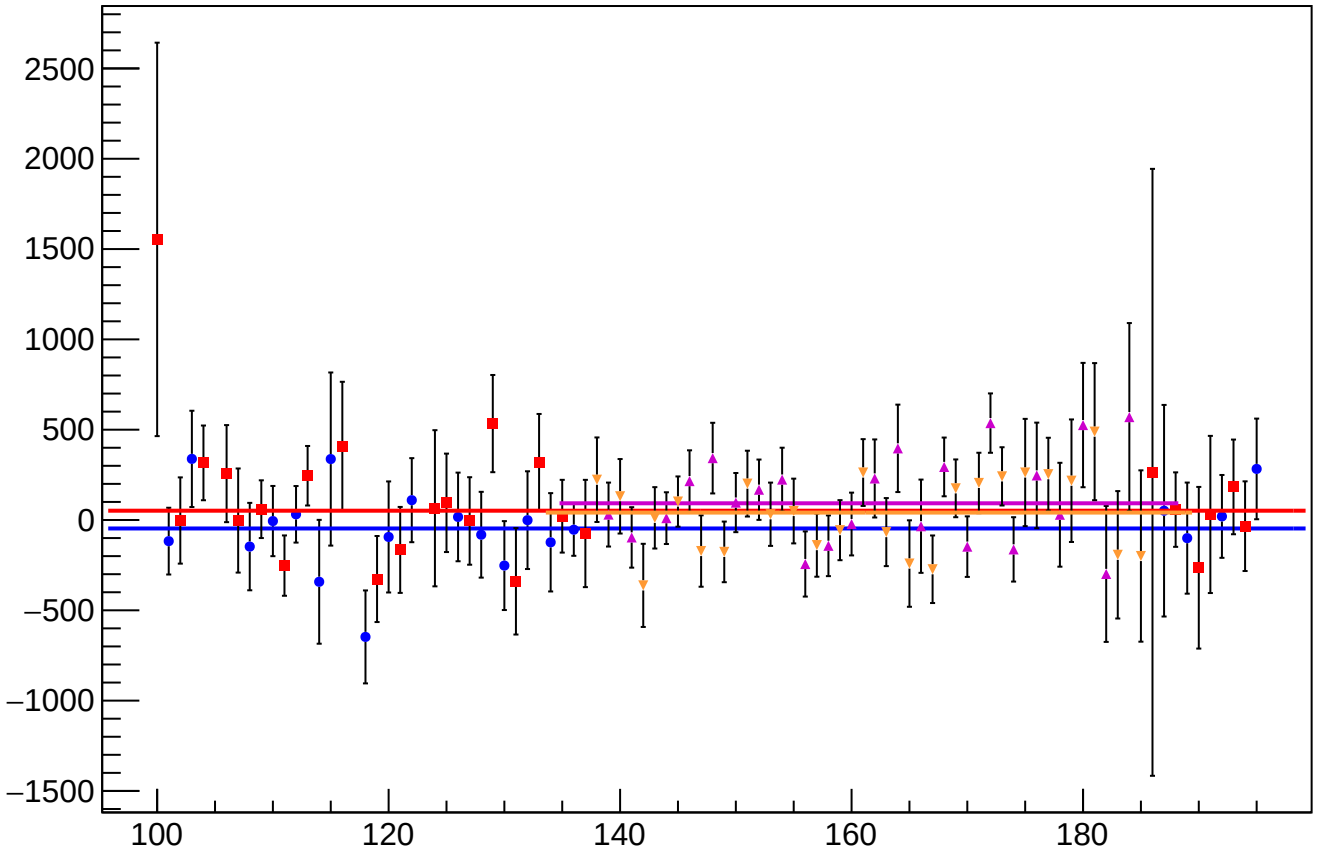
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1373.160+/-0.233 χ^2/NDF: 6603558.4/44

In: 1162.456+/-0.161 χ^2/NDF:3981576.8/42

Out: 1153.637+/-0.155 χ^2/NDF:5357609.3/49

All: 1157.879+/-0.112 χ^2/NDF: 9340736.2/92



Right In: -46.917+/-52.995 χ^2/NDF: 12.4/19

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 51.484+/-50.086 χ^2/NDF: 20.4/24

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

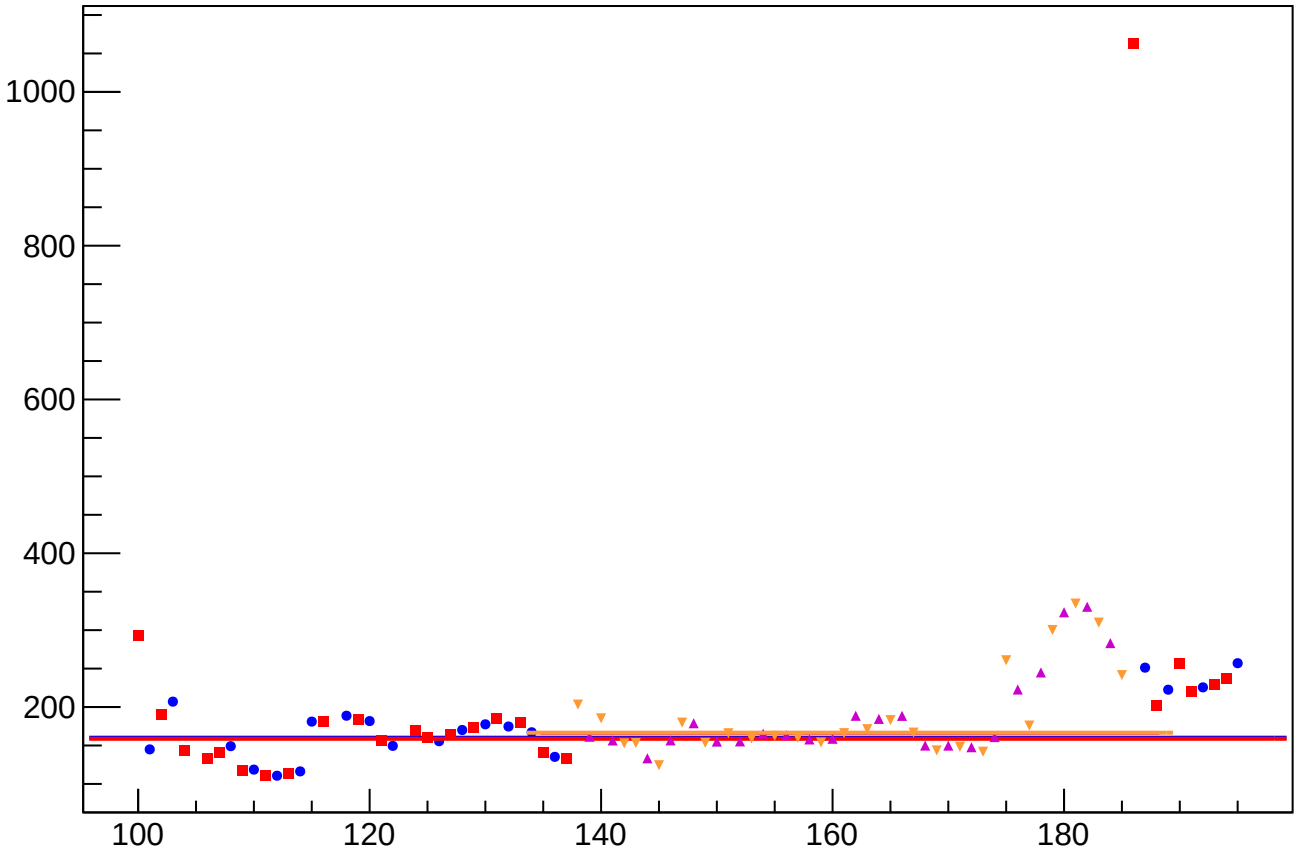
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: 5.059+/-36.401 χ^2/NDF: 34.7/44

In: 41.670+/-32.010 χ^2/NDF:46.3/42

Out: 45.033+/-30.858 χ^2/NDF:42.7/49

All: 43.413+/-22.216 χ^2/NDF: 89.1/92



Right In: 160.132+/-0.037 χ^2/NDF: 1061794.6/19

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 158.696+/-0.035 χ^2/NDF: 1788618.6/24

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

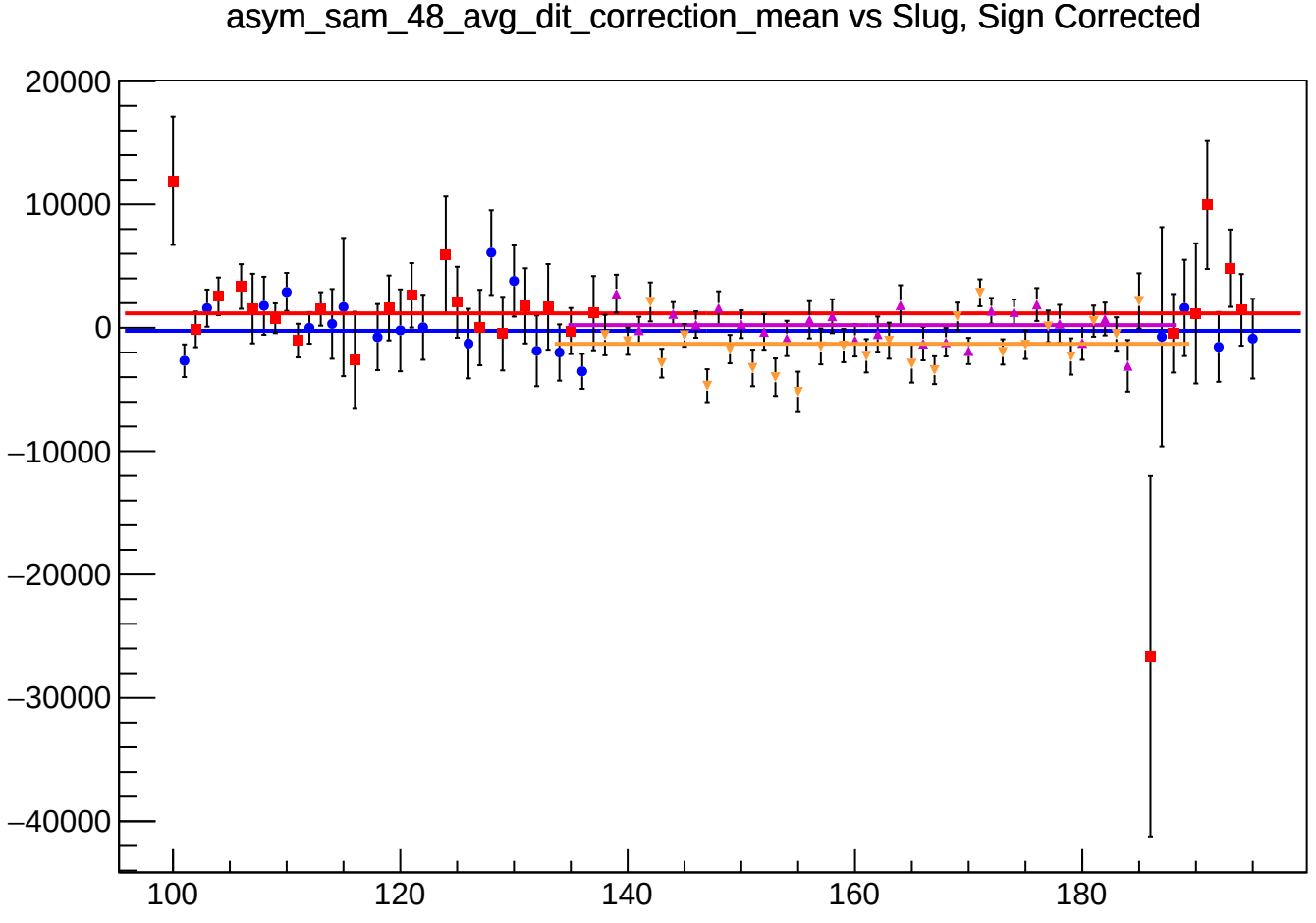
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 159.373+/-0.026 χ^2/NDF: 2851188.8/44

In: 164.055+/-0.023 χ^2/NDF:2471514.3/42

Out: 163.599+/-0.022 χ^2/NDF:3539343.7/49

All: 163.818+/-0.016 χ^2/NDF: 6011068.3/92



Right In: -248.575+/-487.844 χ^2/NDF: 22.3/19

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1173.280+/-453.351 χ^2/NDF: 21.8/24

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

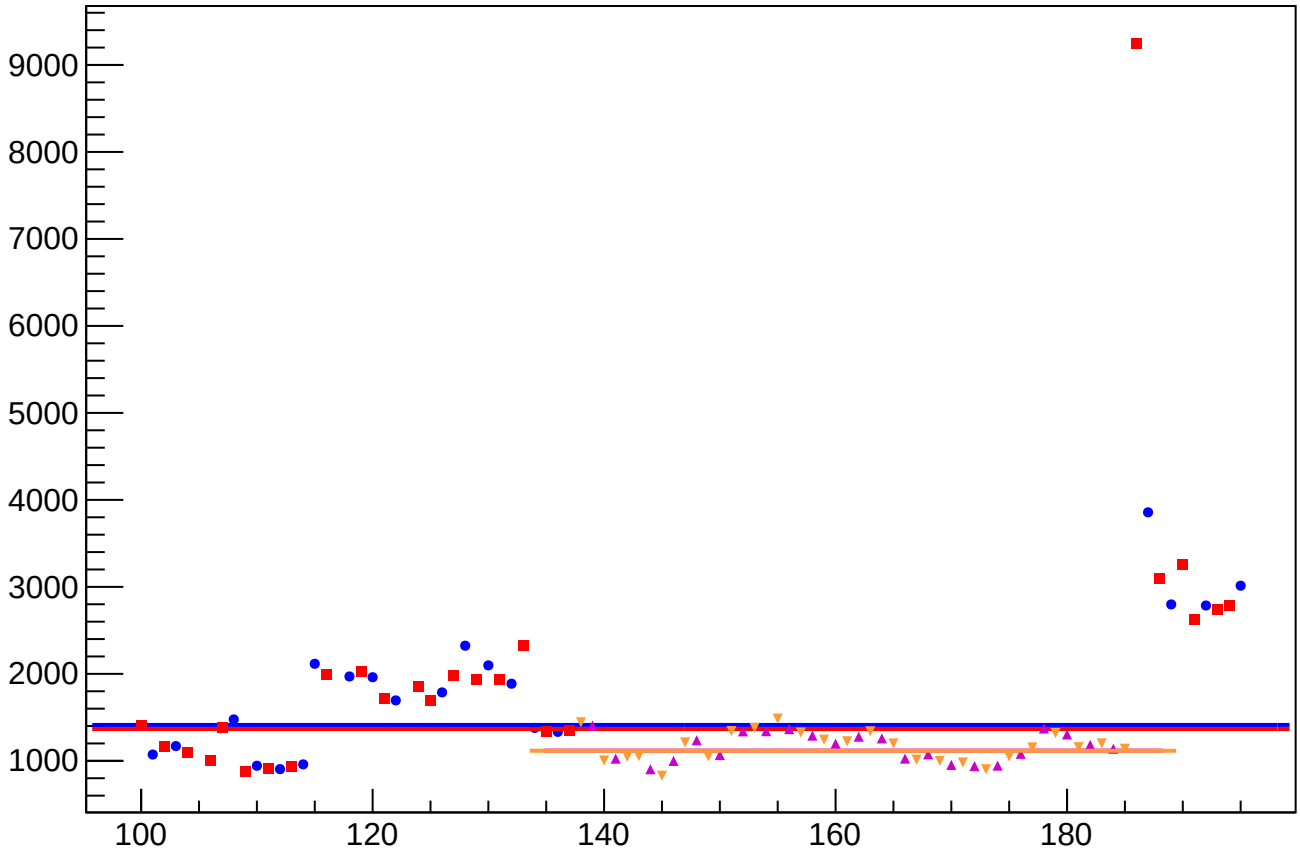
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 514.390+/-332.093 χ^2/NDF: 48.7/44

In: 111.520+/-232.446 χ^2/NDF:45.3/42

Out: -697.359+/-223.549 χ^2/NDF:99.4/49

All: -308.697+/-161.127 χ^2/NDF: 150.9/92



Right In: 1412.854+/-0.345 χ^2/NDF: 2650807.5/19

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1365.806+/-0.321 χ^2/NDF: 3955129.1/24

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

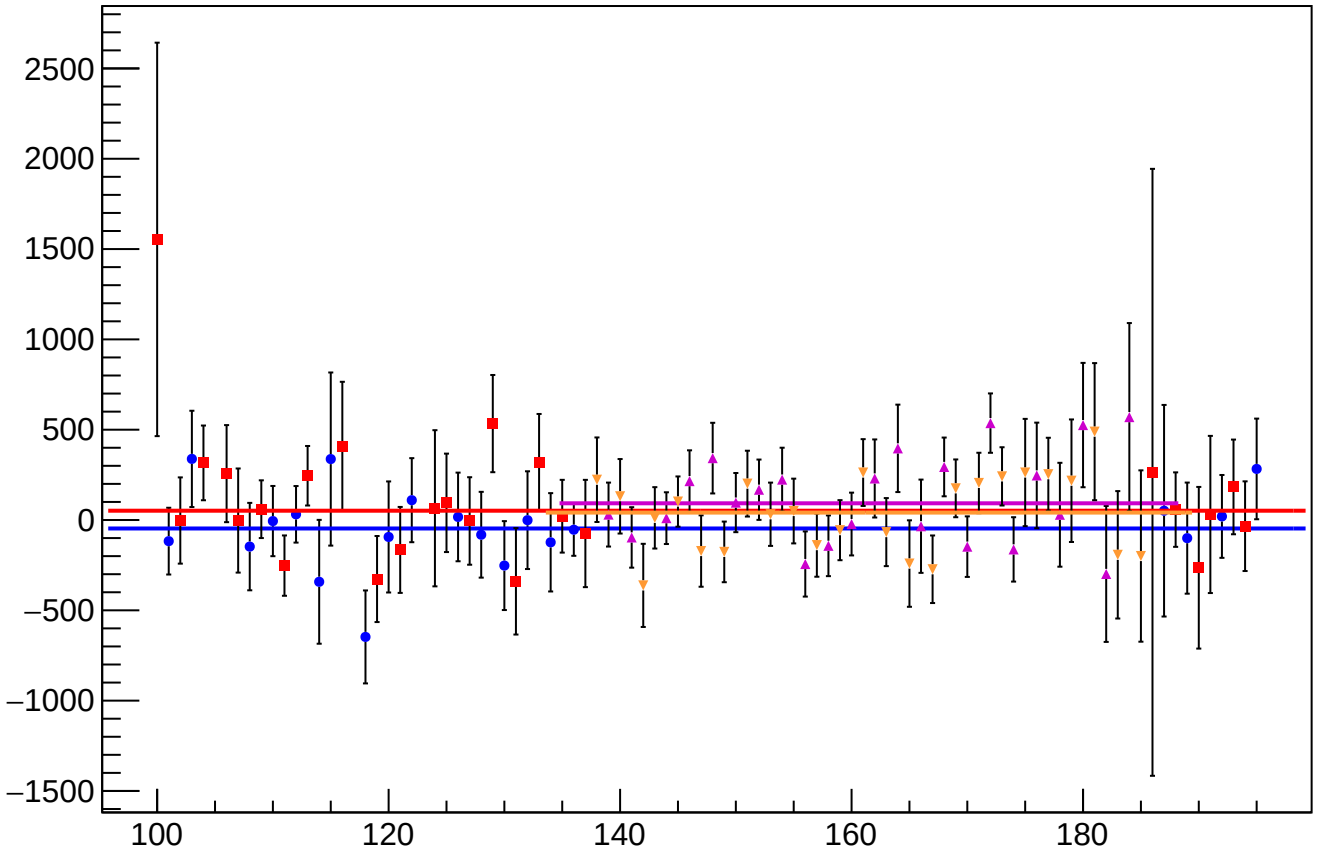
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1387.608+/-0.235 χ^2/NDF: 6615918.1/44

In: 1184.810+/-0.164 χ^2/NDF:3945576.5/42

Out: 1176.766+/-0.158 χ^2/NDF:5282091.2/49

All: 1180.631+/-0.114 χ^2/NDF: 9228912.1/92



Right In: -46.914+/-52.995 χ^2/NDF: 12.4/19

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 51.483+/-50.086 χ^2/NDF: 20.4/24

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

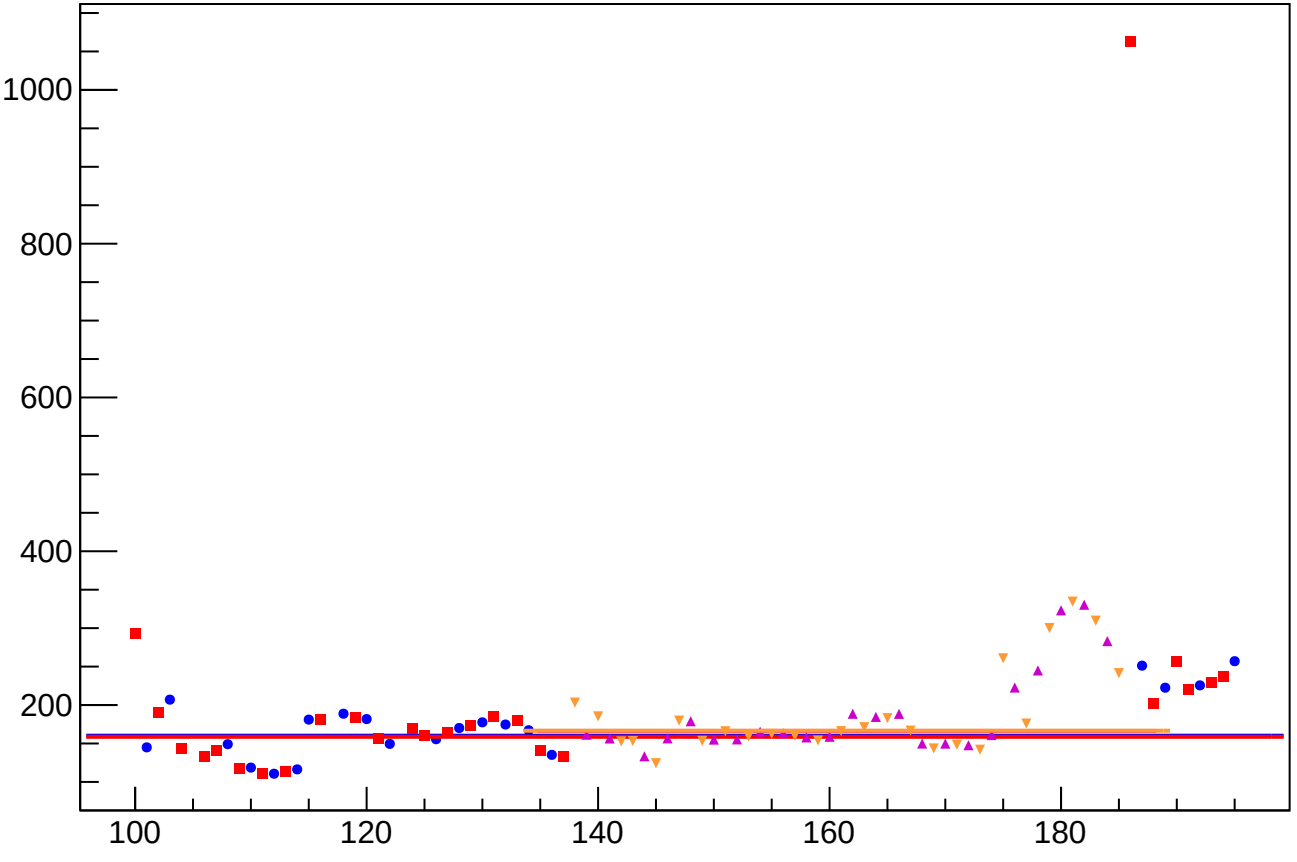
Right: 5.060+/-36.401 χ^2/NDF: 34.7/44

In: 41.671+/-32.010 χ^2/NDF:46.3/42

Out: 45.034+/-30.858 χ^2/NDF:42.7/49

All: 43.414+/-22.216 χ^2/NDF: 89.1/92

eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 160.132+/-0.037 χ^2/NDF: 1061790.8/19

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 158.696+/-0.035 χ^2/NDF: 1788619.5/24

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

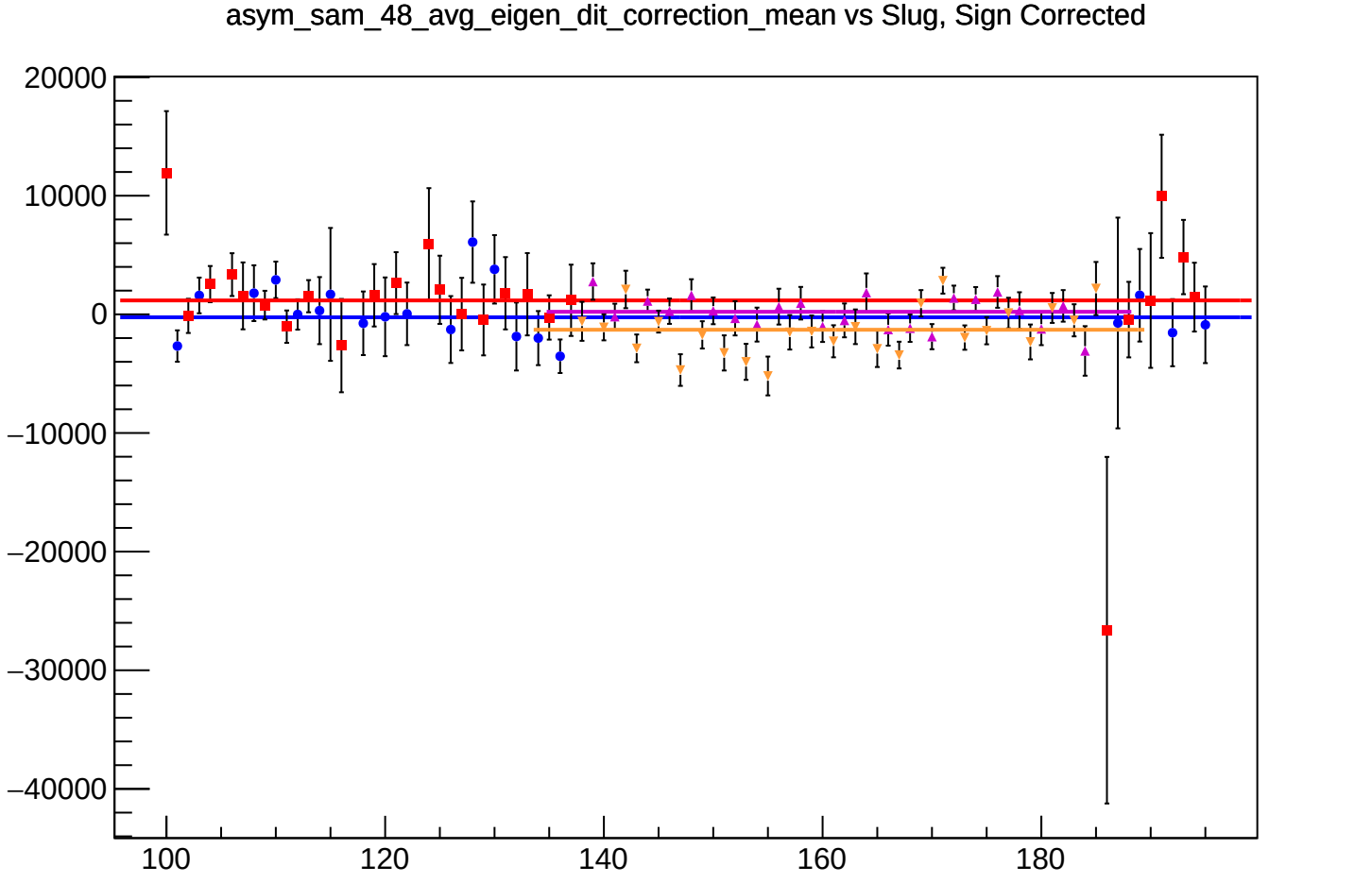
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 159.373+/-0.026 χ^2/NDF: 2851185.9/44

In: 164.055+/-0.023 χ^2/NDF:2471491.9/42

Out: 163.599+/-0.022 χ^2/NDF:3539340.9/49

All: 163.819+/-0.016 χ^2/NDF: 6011043.0/92



Right In: -248.574+/-487.843 χ^2/NDF: 22.3/19

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1173.279+/-453.351 χ^2/NDF: 21.8/24

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

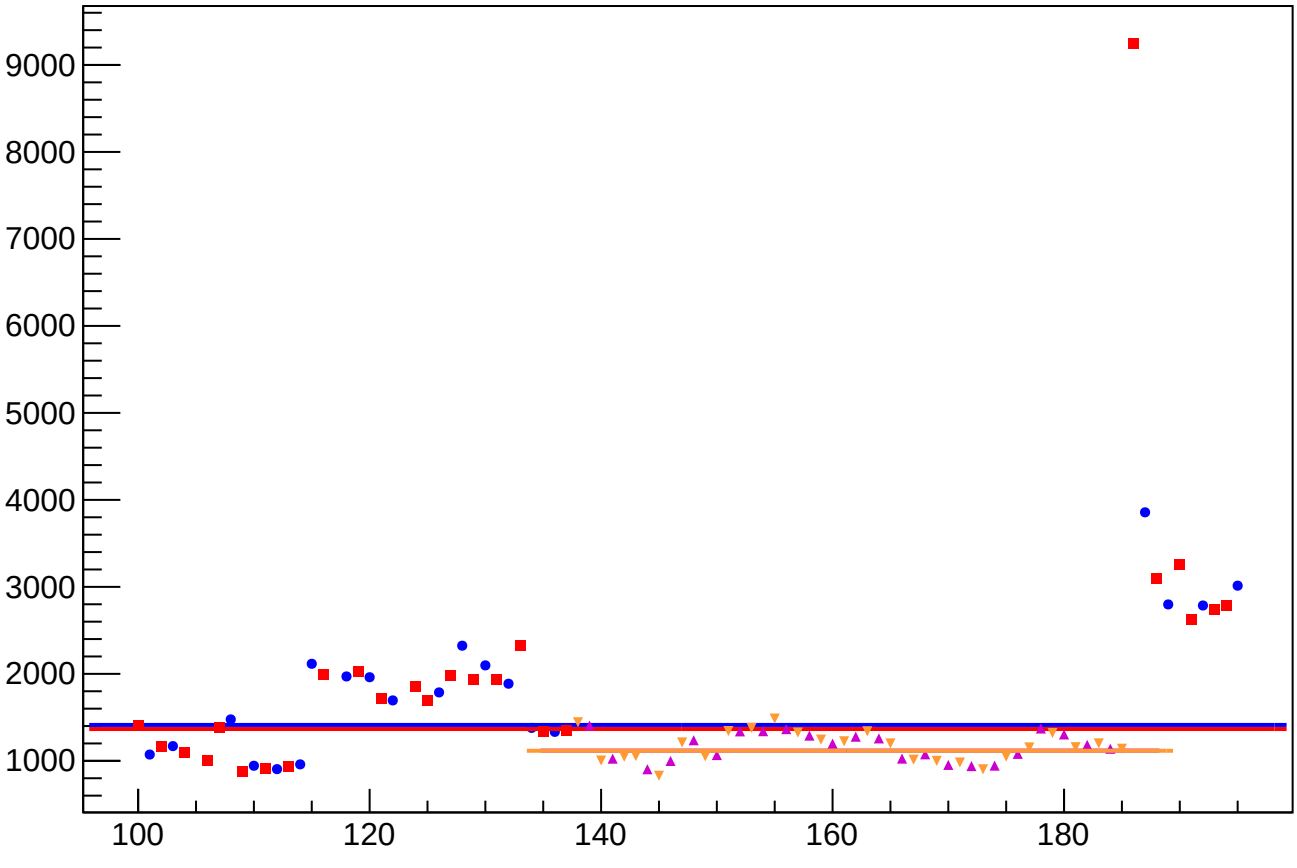
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 514.390+/-332.093 χ^2/NDF: 48.7/44

In: 111.520+/-232.446 χ^2/NDF:45.3/42

Out: -697.358+/-223.549 χ^2/NDF:99.4/49

All: -308.696+/-161.126 χ^2/NDF: 150.9/92



Right In: 1412.852+/-0.345 χ^2/NDF: 2650810.7/19

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1365.805+/-0.321 χ^2/NDF: 3955128.0/24

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

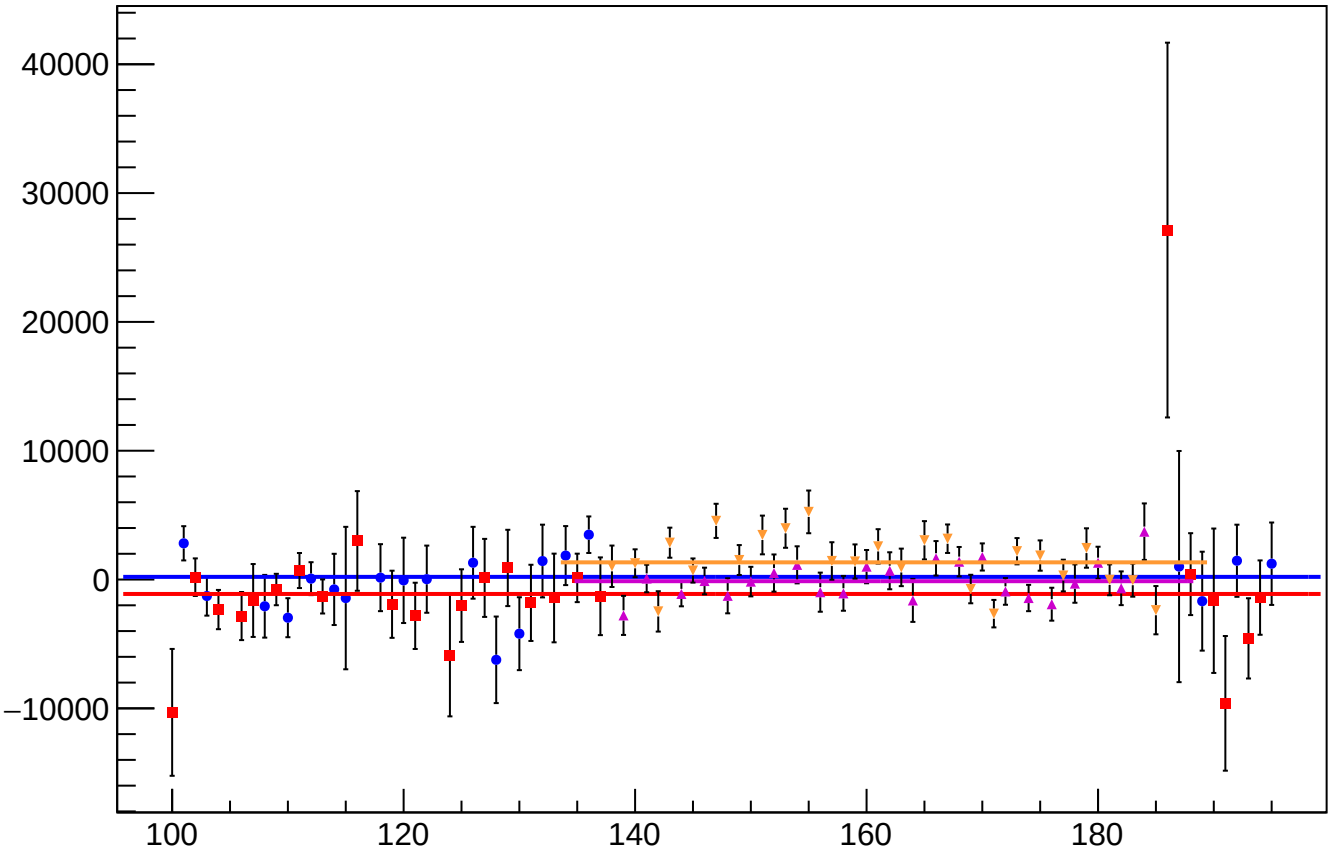
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1387.607+/-0.235 χ^2/NDF: 6615920.1/44

In: 1184.809+/-0.164 χ^2/NDF:3945581.3/42

Out: 1176.764+/-0.158 χ^2/NDF:5282095.2/49

All: 1180.629+/-0.114 χ^2/NDF: 9228920.9/92



Right In: 207.145+/-486.526 χ^2/NDF: 23.1/19

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1119.673+/-452.505 χ^2/NDF: 19.5/24

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

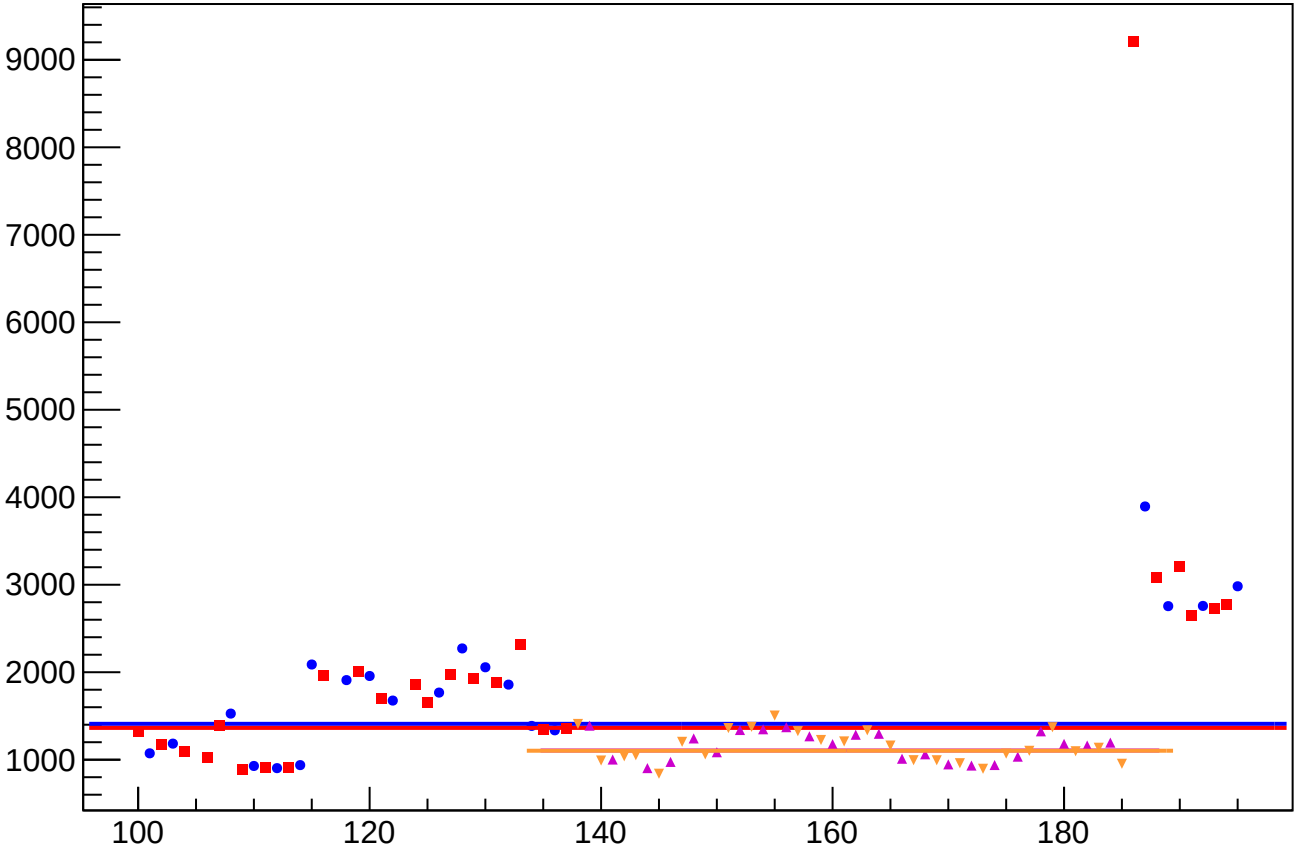
Right: -504.272+/-331.344 χ^2/NDF: 46.6/44

In: -53.204+/-230.279 χ^2/NDF:47.5/42

Out: 746.001+/-221.616 χ^2/NDF:97.5/49

All: 361.715+/-159.681 χ^2/NDF: 151.3/92

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1410.219+/-0.344 χ^2/NDF: 2601858.0/19

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1363.618+/-0.320 χ^2/NDF: 3909208.8/24

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

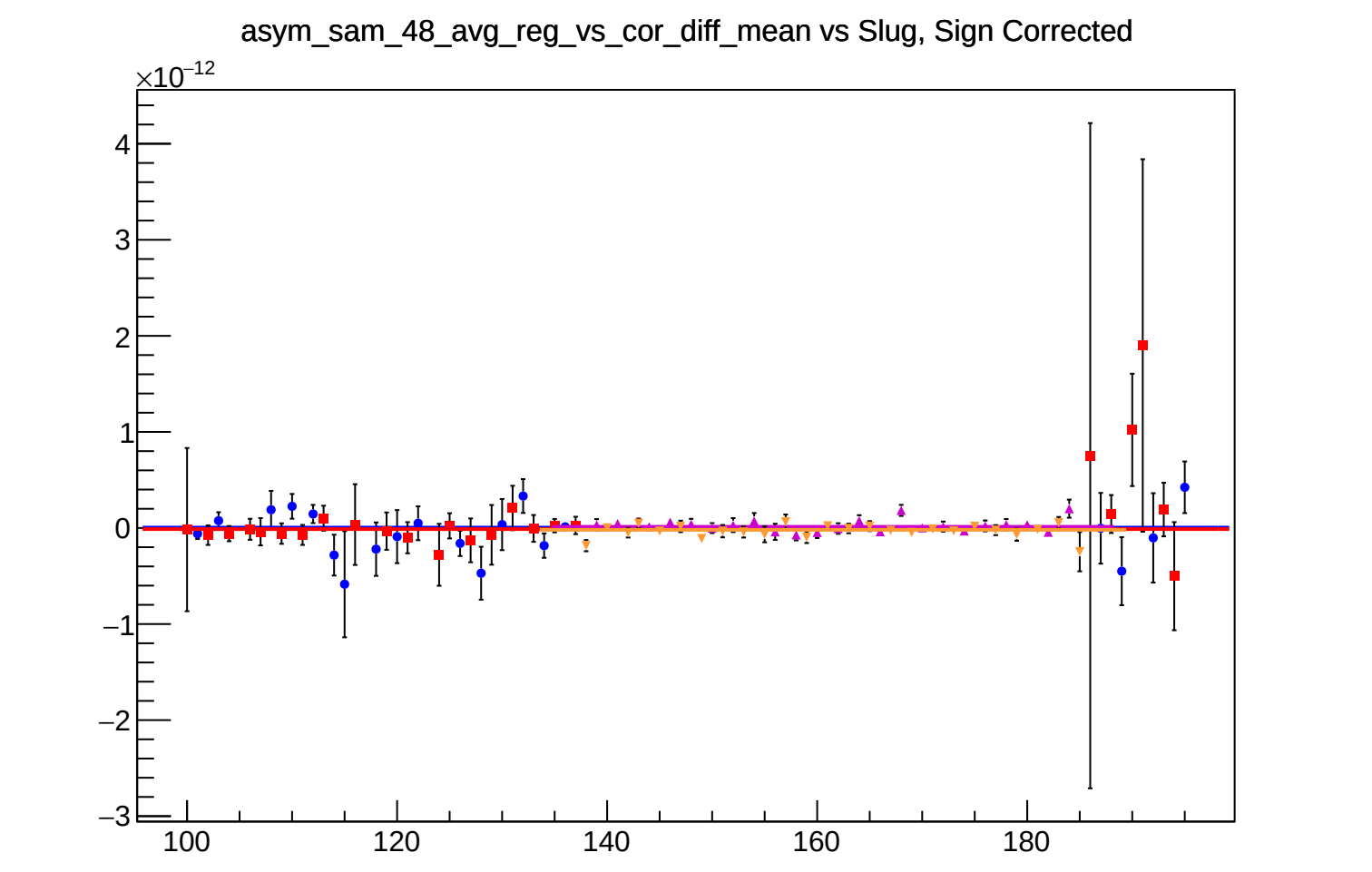
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1385.232+/-0.234 χ^2/NDF: 6520905.3/44

In: 1173.532+/-0.163 χ^2/NDF:3935149.5/42

Out: 1165.284+/-0.157 χ^2/NDF:5295135.5/49

All: 1169.250+/-0.113 χ^2/NDF: 9231617.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 10.9/24

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

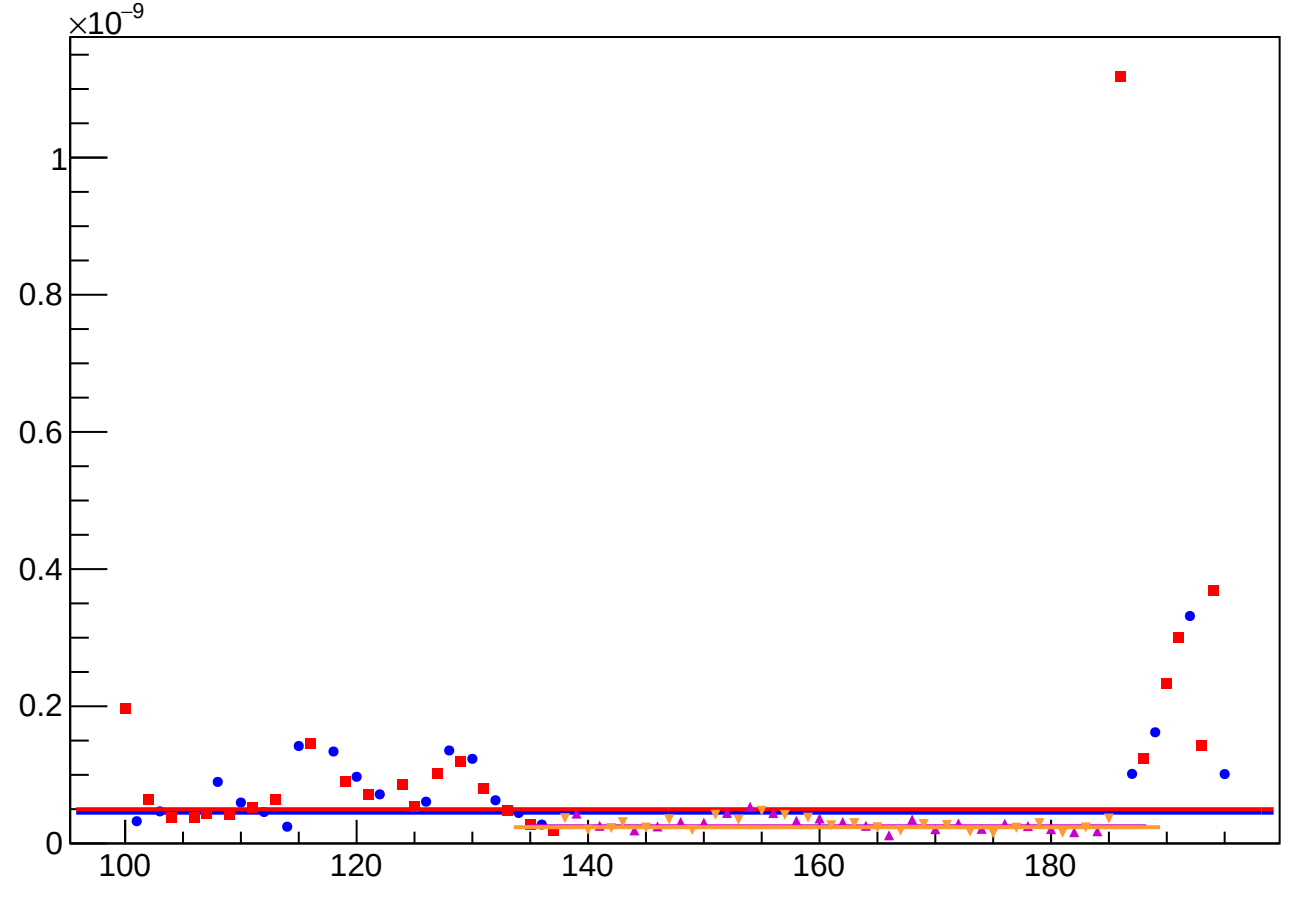
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 37.3/44

In: 0.000+/-0.000 χ^2/NDF:53.5/42

Out: -0.000+/-0.000 χ^2/NDF:37.4/49

All: -0.000+/-0.000 χ^2/NDF: 96.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 2472697.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2713155.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

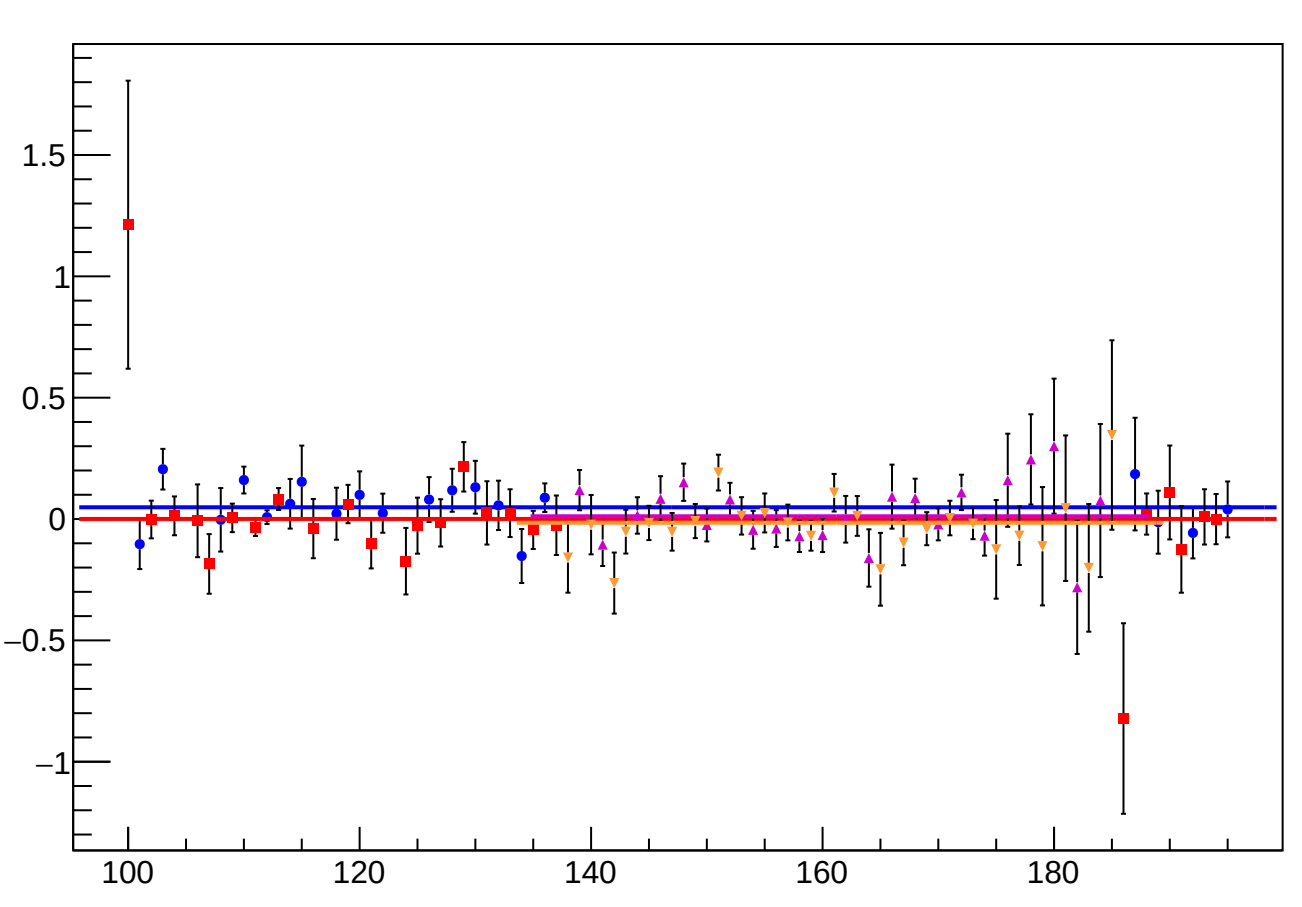
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 5219656.8/44

In: 0.000+/-0.000 χ^2/NDF:4996719.0/42

Out: 0.000+/-0.000 χ^2/NDF:5699077.5/49

All: 0.000+/-0.000 χ^2/NDF: 10719409.5/92



Right In: 0.048+/-0.017 χ^2/NDF: 19.6/19

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

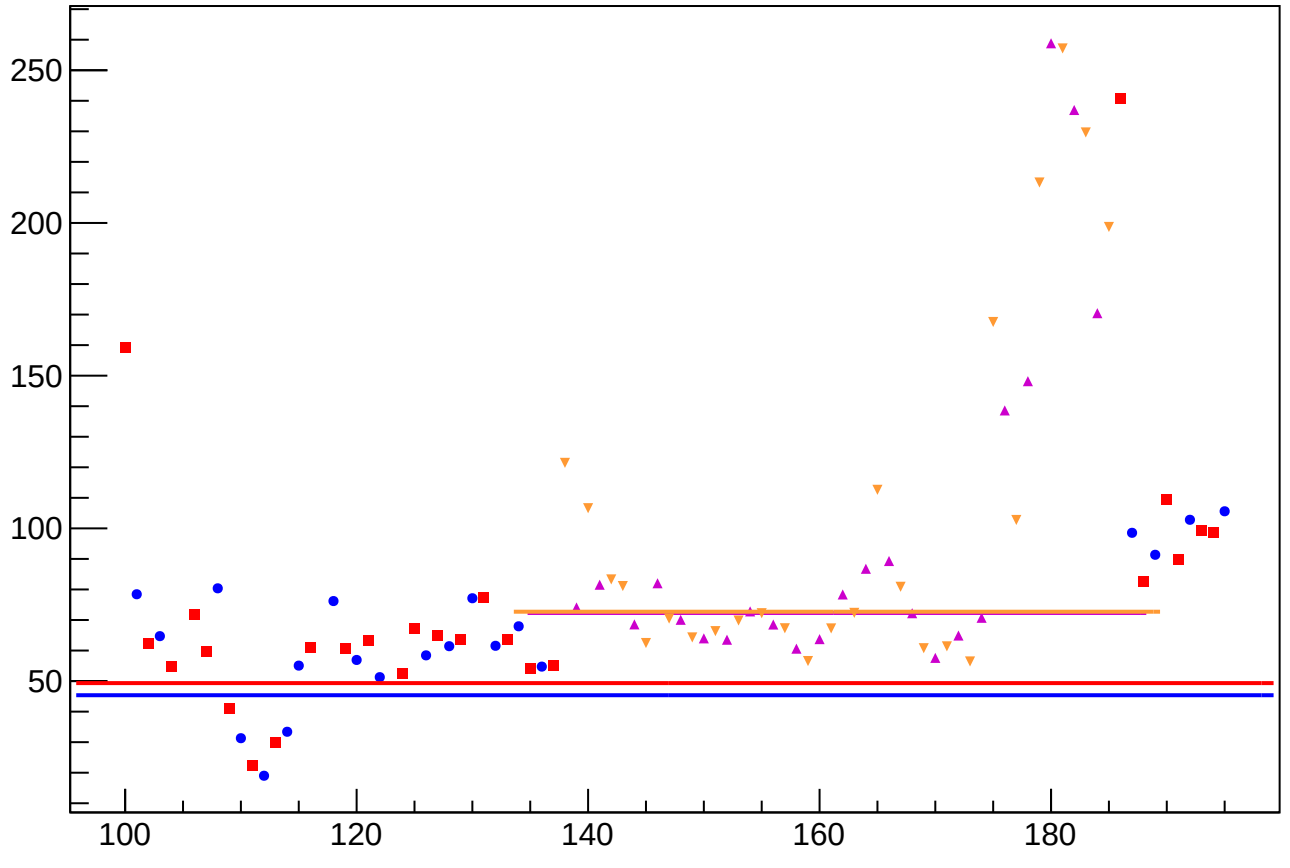
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.024+/-0.012 χ^2/NDF: 48.1/44

In: 0.031+/-0.012 χ^2/NDF:45.1/42

Out: -0.007+/-0.012 χ^2/NDF:46.6/49

All: 0.012+/-0.009 χ^2/NDF: 96.4/92



Right In: 45.372+/-0.012 χ^2/NDF: 4540354.7/19

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 49.340+/-0.012 χ^2/NDF: 4156117.3/24

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

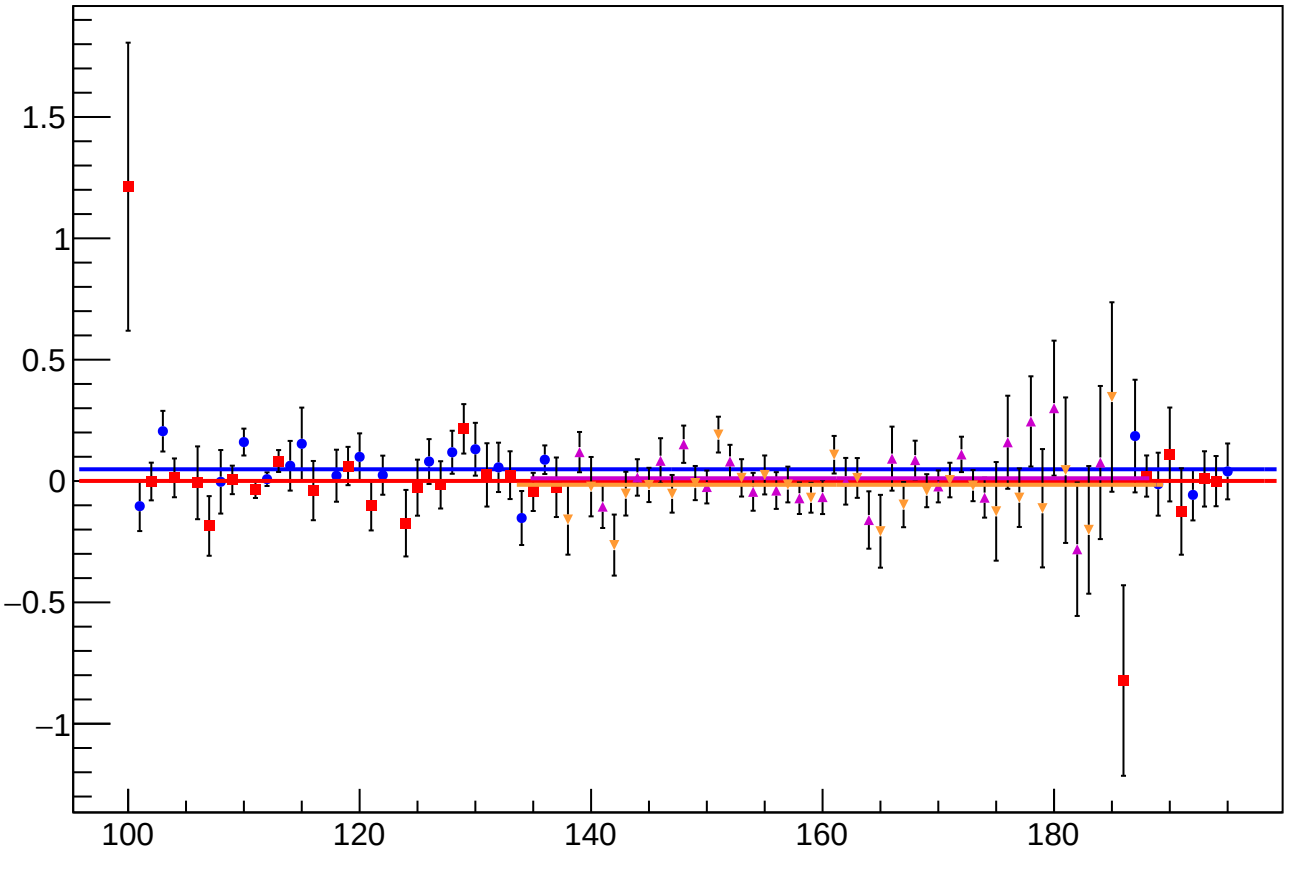
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 47.378+/-0.009 χ^2/NDF: 8750773.6/44

In: 57.975+/-0.009 χ^2/NDF:9645097.3/42

Out: 60.343+/-0.009 χ^2/NDF:9910142.2/49

All: 59.175+/-0.006 χ^2/NDF: 19591657.6/92



Right In: 0.048+/-0.017 χ^2/NDF: 19.6/19

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

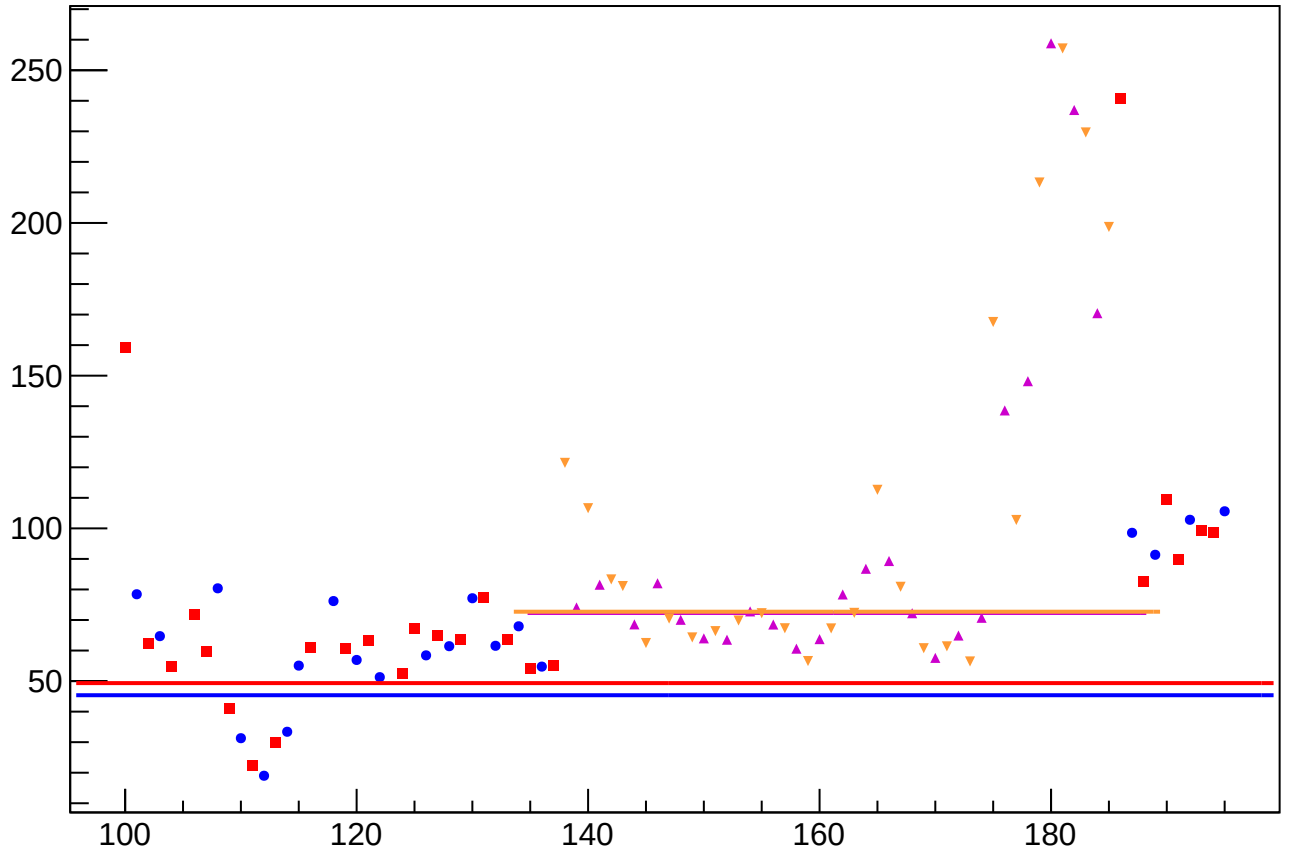
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.024+/-0.012 χ^2/NDF: 48.1/44

In: 0.031+/-0.012 χ^2/NDF:45.1/42

Out: -0.007+/-0.012 χ^2/NDF:46.6/49

All: 0.012+/-0.009 χ^2/NDF: 96.4/92



Right In: 45.372+/-0.012 χ^2/NDF: 4540354.7/19

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 49.340+/-0.012 χ^2/NDF: 4156117.3/24

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

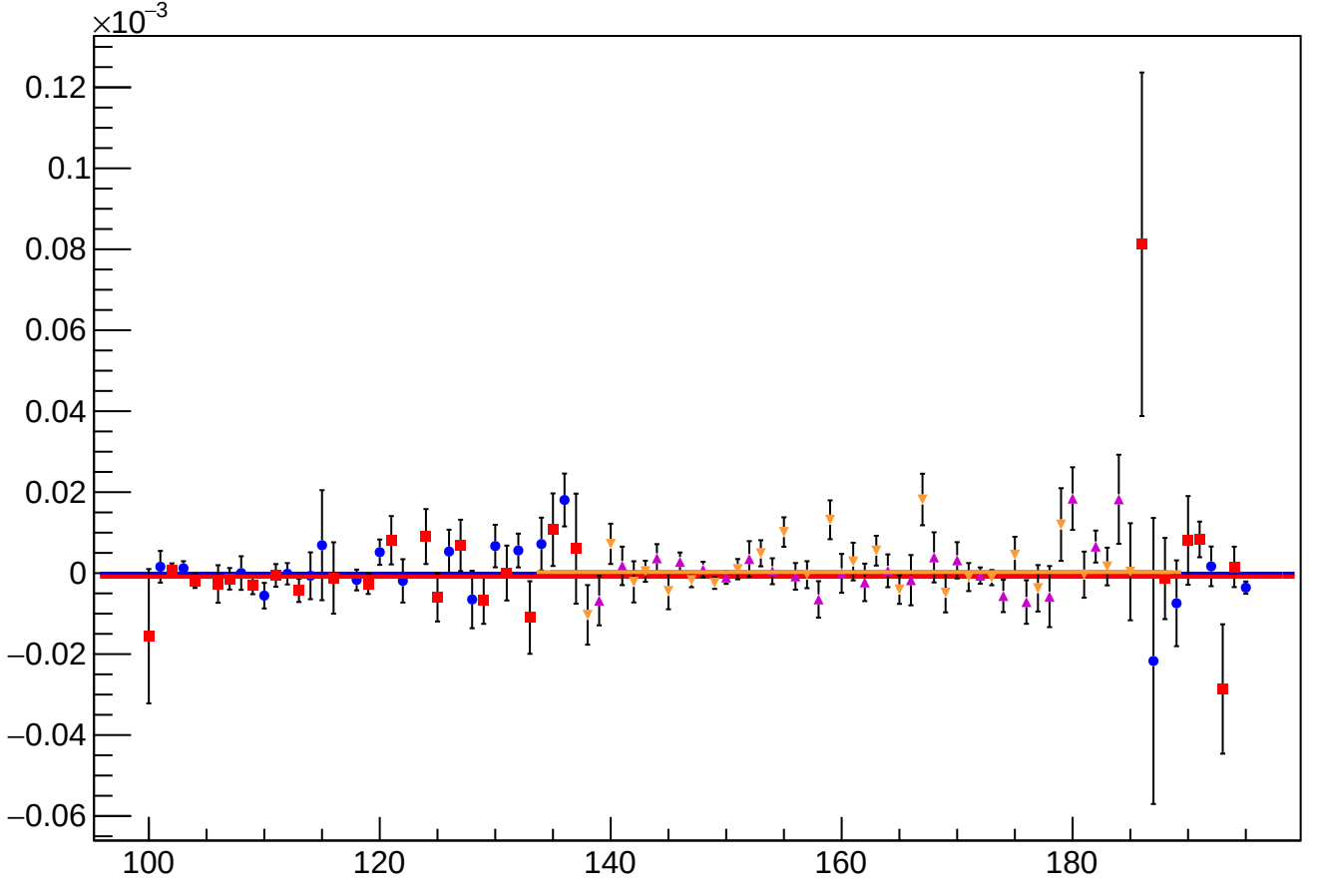
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 47.378+/-0.009 χ^2/NDF: 8750773.6/44

In: 57.975+/-0.009 χ^2/NDF:9645097.3/42

Out: 60.343+/-0.009 χ^2/NDF:9910142.2/49

All: 59.175+/-0.006 χ^2/NDF: 19591657.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/24

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

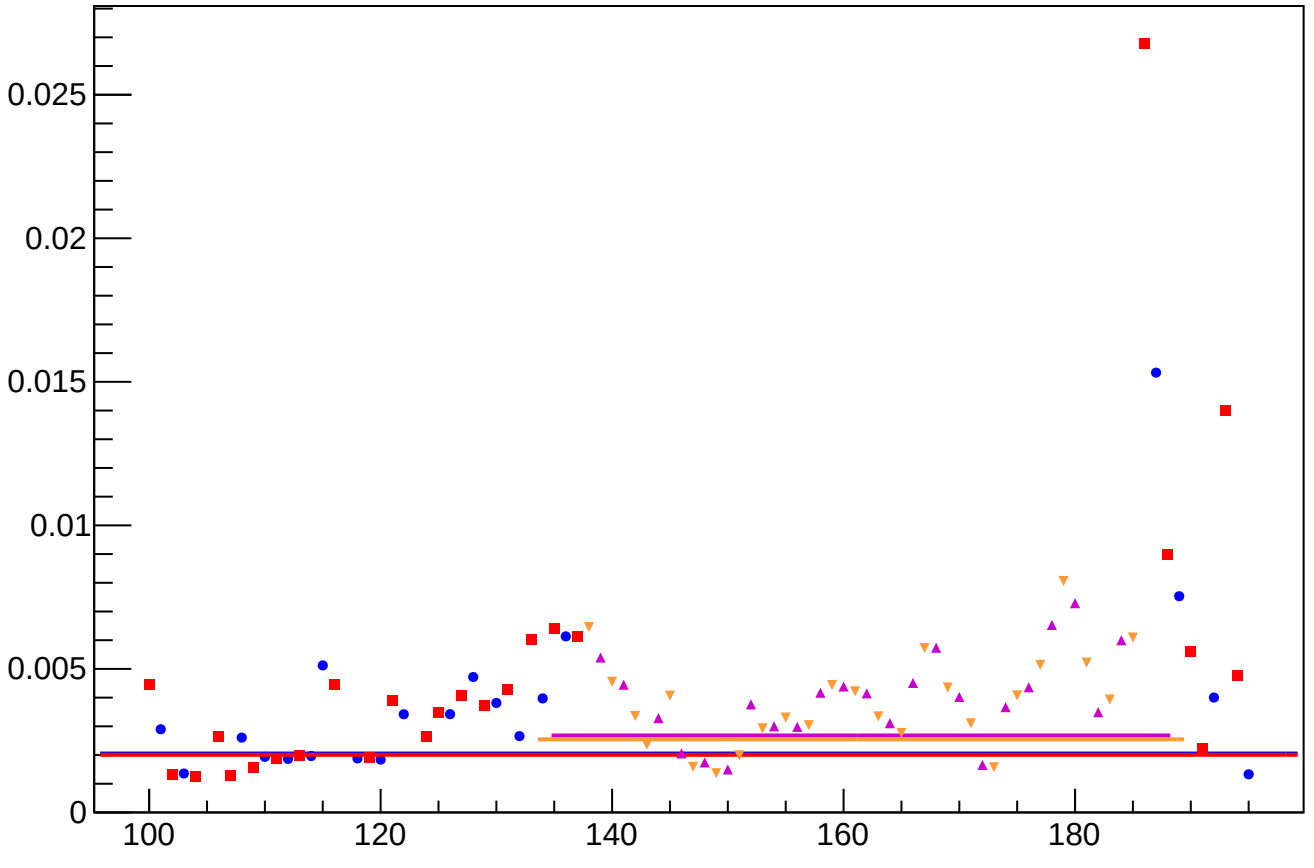
Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

Right: -0.000+/-0.000 χ^2/NDF: 56.7/44

In: 0.000+/-0.000 χ^2/NDF:52.2/42

Out: -0.000+/-0.000 χ^2/NDF:72.9/49

All: -0.000+/-0.000 χ^2/NDF: 125.3/92



Right In: 0.002+/-0.000 χ^2/NDF: 3932396.4/19

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6833902.0/24

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

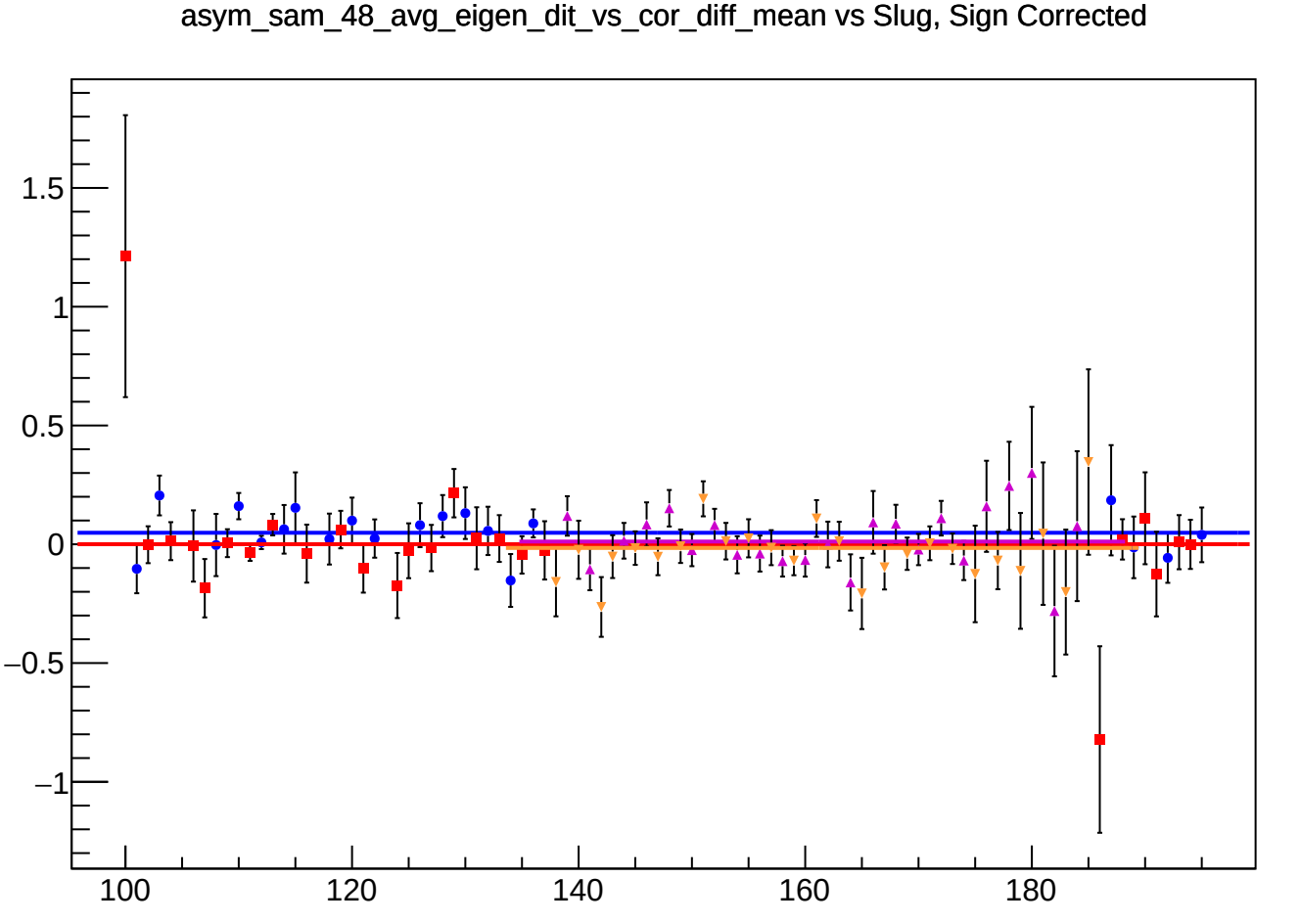
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

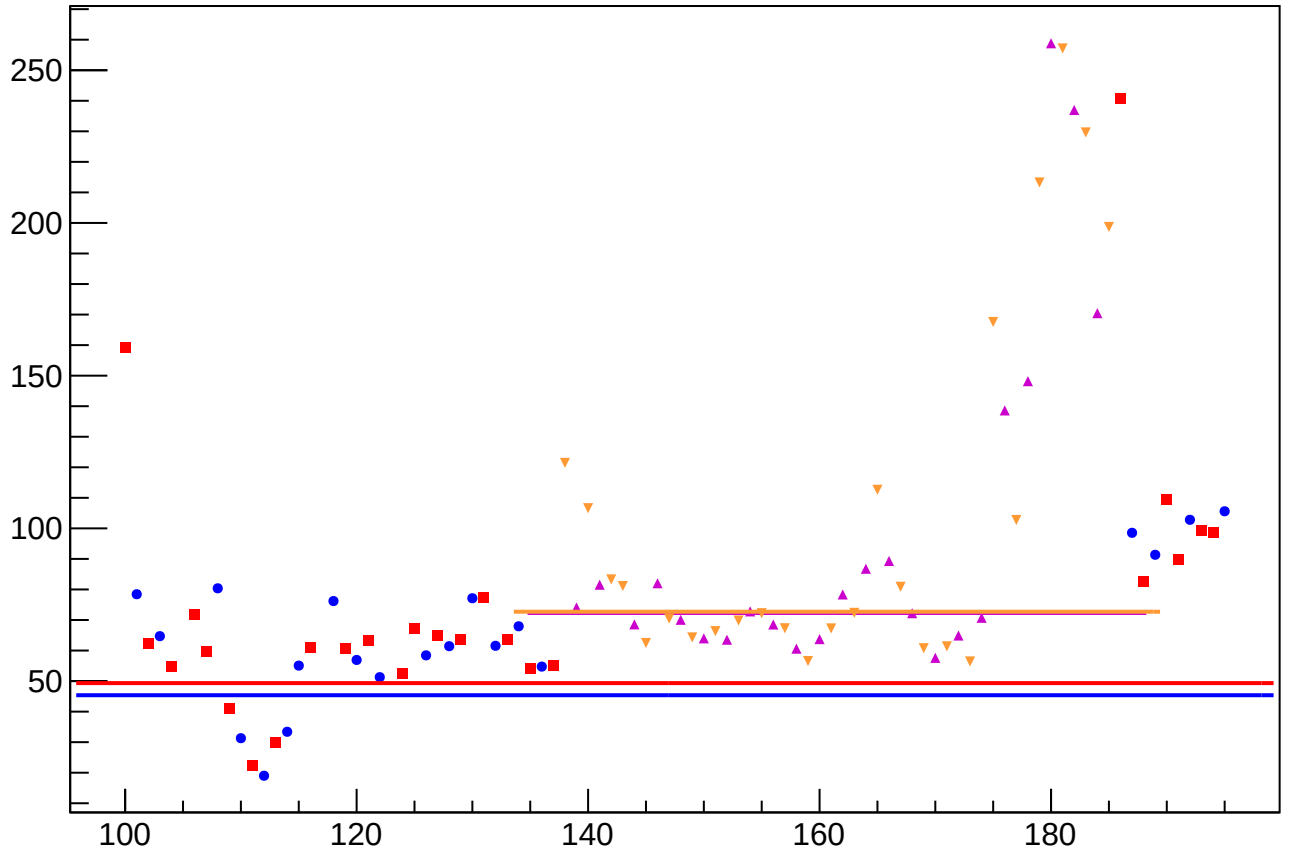
Right: 0.002+/-0.000 χ^2/NDF: 10769784.3/44

In: 0.002+/-0.000 χ^2/NDF:11164509.9/42

Out: 0.002+/-0.000 χ^2/NDF:14930830.3/49

All: 0.002+/-0.000 χ^2/NDF: 26121646.6/92


asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
Right In: 0.048+/-0.017 χ²/NDF: 19.6/19
Left Out: -0.016+/-0.018 χ²/NDF:21.6/24
Right Out: 0.000+/-0.017 χ²/NDF: 24.5/24
Left In: 0.011+/-0.018 χ²/NDF:23.3/22
Left: -0.002+/-0.013 χ²/NDF: 46.1/47
Right: 0.024+/-0.012 χ²/NDF: 48.1/44
In: 0.031+/-0.012 χ²/NDF:45.1/42
Out: -0.007+/-0.012 χ²/NDF:46.5/49
All: 0.012+/-0.009 χ²/NDF: 96.4/92



Right In: 45.371+/-0.012 χ^2/NDF: 4540541.2/19

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 49.339+/-0.012 χ^2/NDF: 4156340.1/24

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

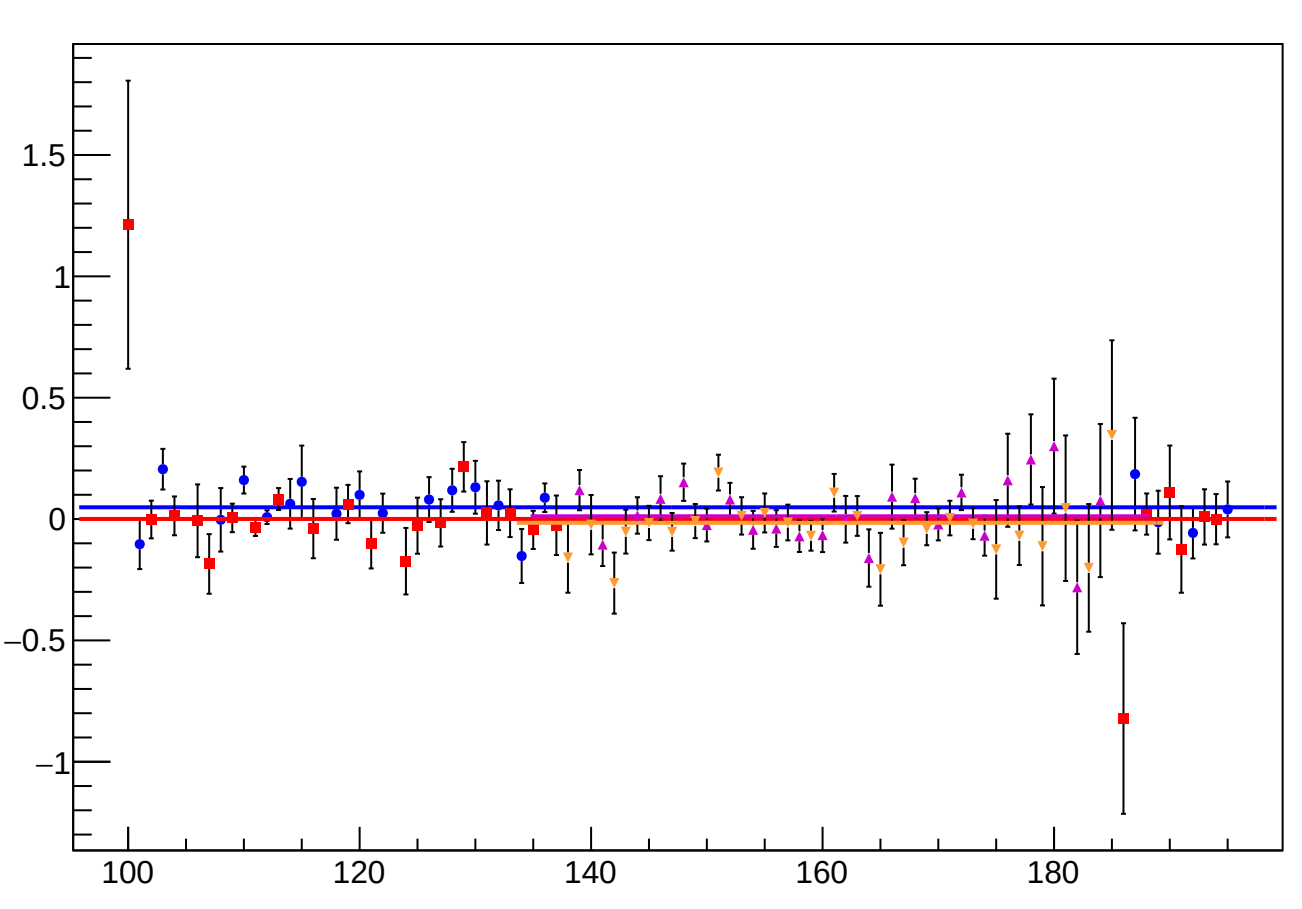
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 47.377+/-0.009 χ^2/NDF: 8751185.5/44

In: 57.975+/-0.009 χ^2/NDF:9645499.2/42

Out: 60.343+/-0.009 χ^2/NDF:9910548.9/49

All: 59.175+/-0.006 χ^2/NDF: 19592469.6/92



Right In: 0.048+/-0.017 χ^2/NDF: 19.6/19

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

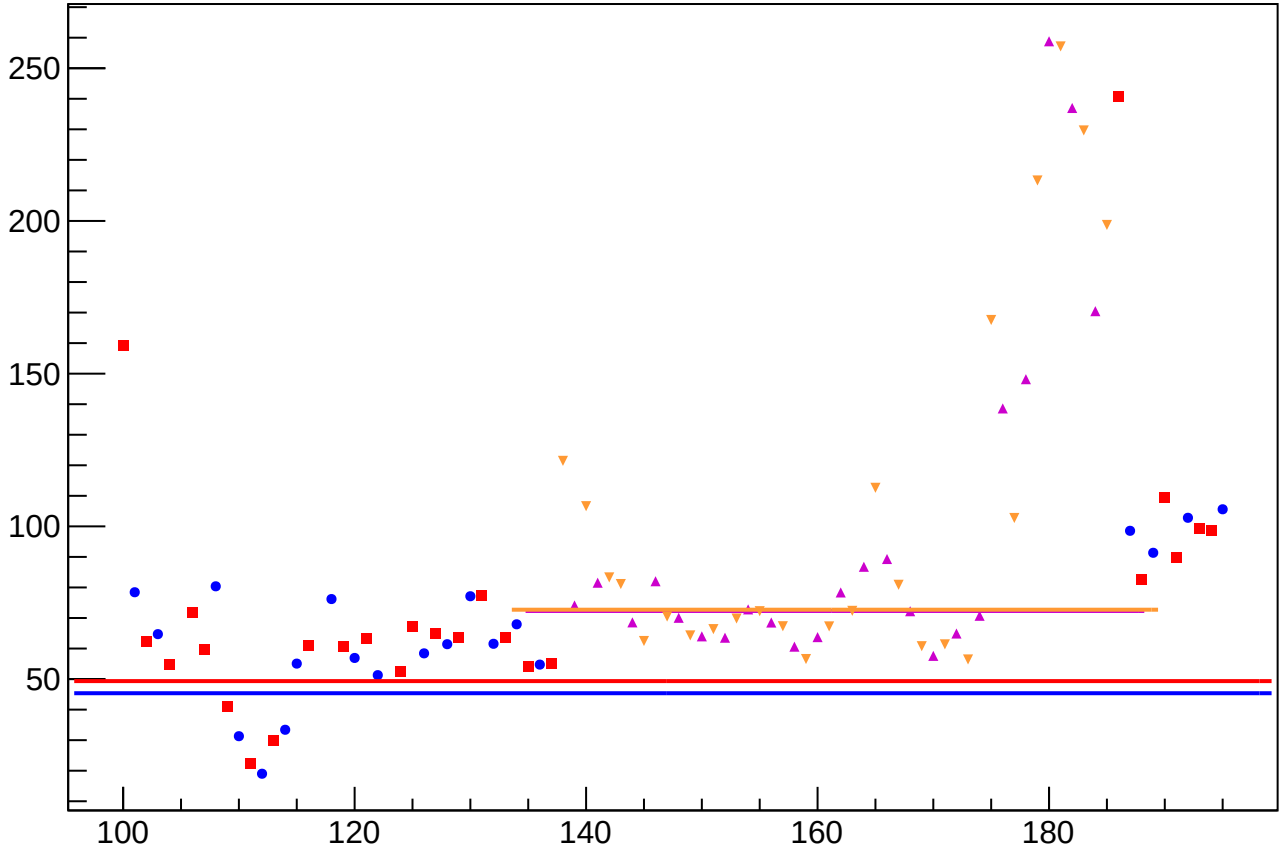
Right: 0.024+/-0.012 χ^2/NDF: 48.1/44

In: 0.031+/-0.012 χ^2/NDF:45.1/42

Out: -0.007+/-0.012 χ^2/NDF:46.5/49

All: 0.012+/-0.009 χ^2/NDF: 96.4/92

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.371+/-0.012 χ^2/NDF: 4540541.2/19

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 49.339+/-0.012 χ^2/NDF: 4156340.1/24

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

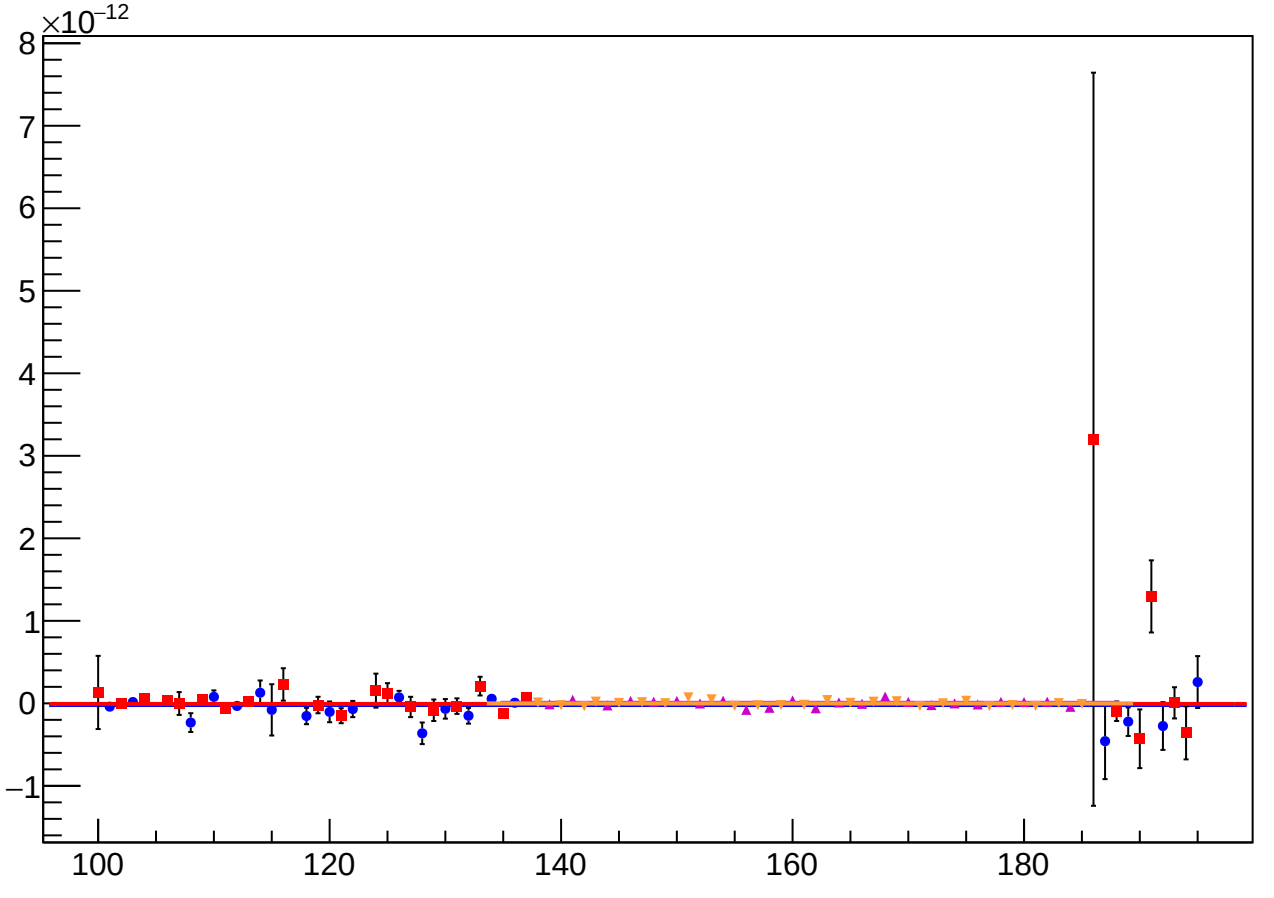
Right: 47.377+/-0.009 χ^2/NDF: 8751185.5/44

In: 57.975+/-0.009 χ^2/NDF:9645499.2/42

Out: 60.343+/-0.009 χ^2/NDF:9910548.9/49

All: 59.175+/-0.006 χ^2/NDF: 19592469.6/92

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/24

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

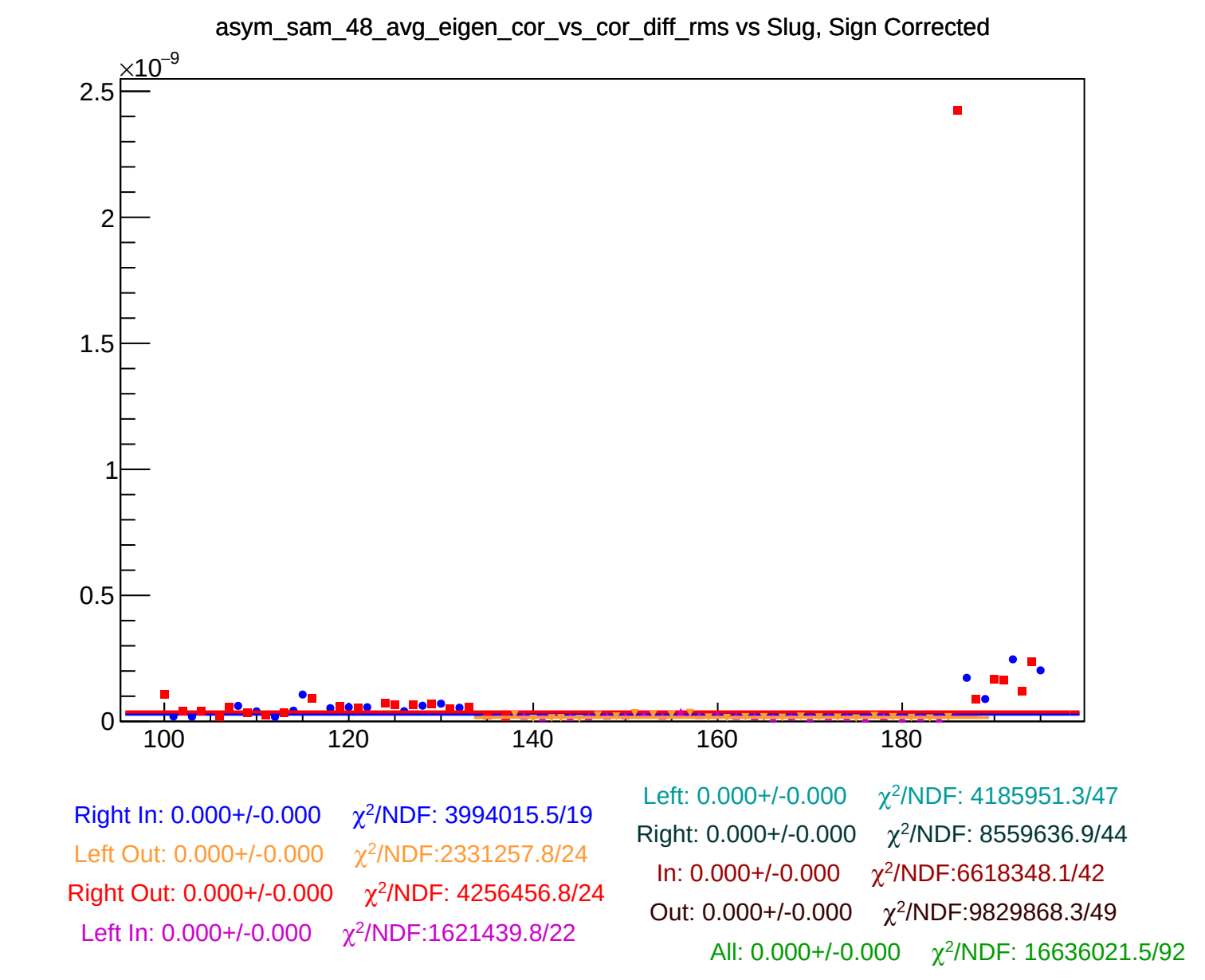
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 63.1/44

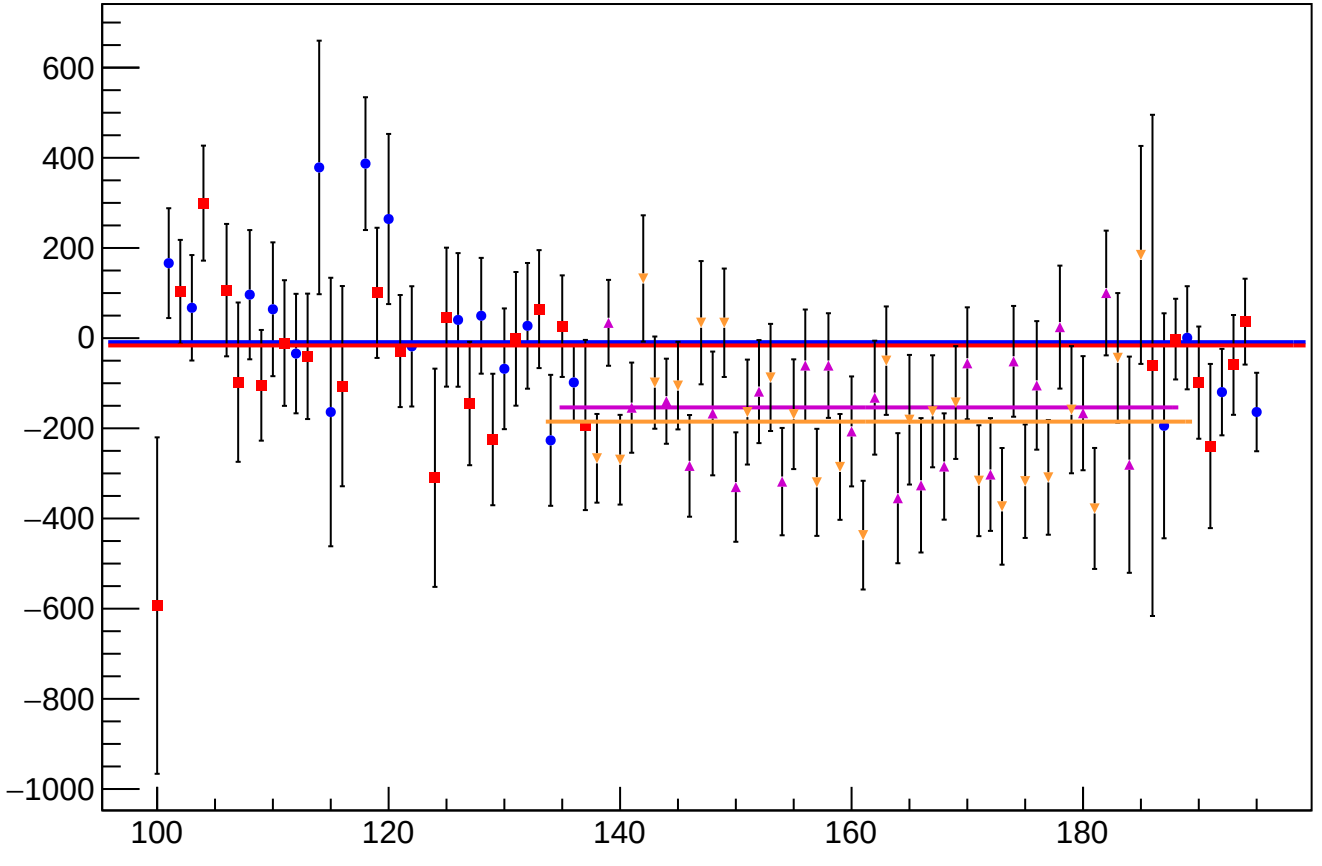
In: 0.000+/-0.000 χ^2/NDF:68.1/42

Out: -0.000+/-0.000 χ^2/NDF:63.9/49

All: 0.000+/-0.000 χ^2/NDF: 132.5/92


asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.5
2
1.5
1
0.5
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3994015.5/19
Left Out: 0.000+/-0.000 χ²/NDF:2331257.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4256456.8/24
Left In: 0.000+/-0.000 χ²/NDF:1621439.8/22
Left: 0.000+/-0.000 χ²/NDF: 4185951.3/47
Right: 0.000+/-0.000 χ²/NDF: 8559636.9/44
In: 0.000+/-0.000 χ²/NDF:6618348.1/42
Out: 0.000+/-0.000 χ²/NDF:9829868.3/49
All: 0.000+/-0.000 χ²/NDF: 16636021.5/92

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -8.889+/-29.148 χ^2/NDF: 23.8/19

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -16.177+/-27.629 χ^2/NDF: 20.3/24

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

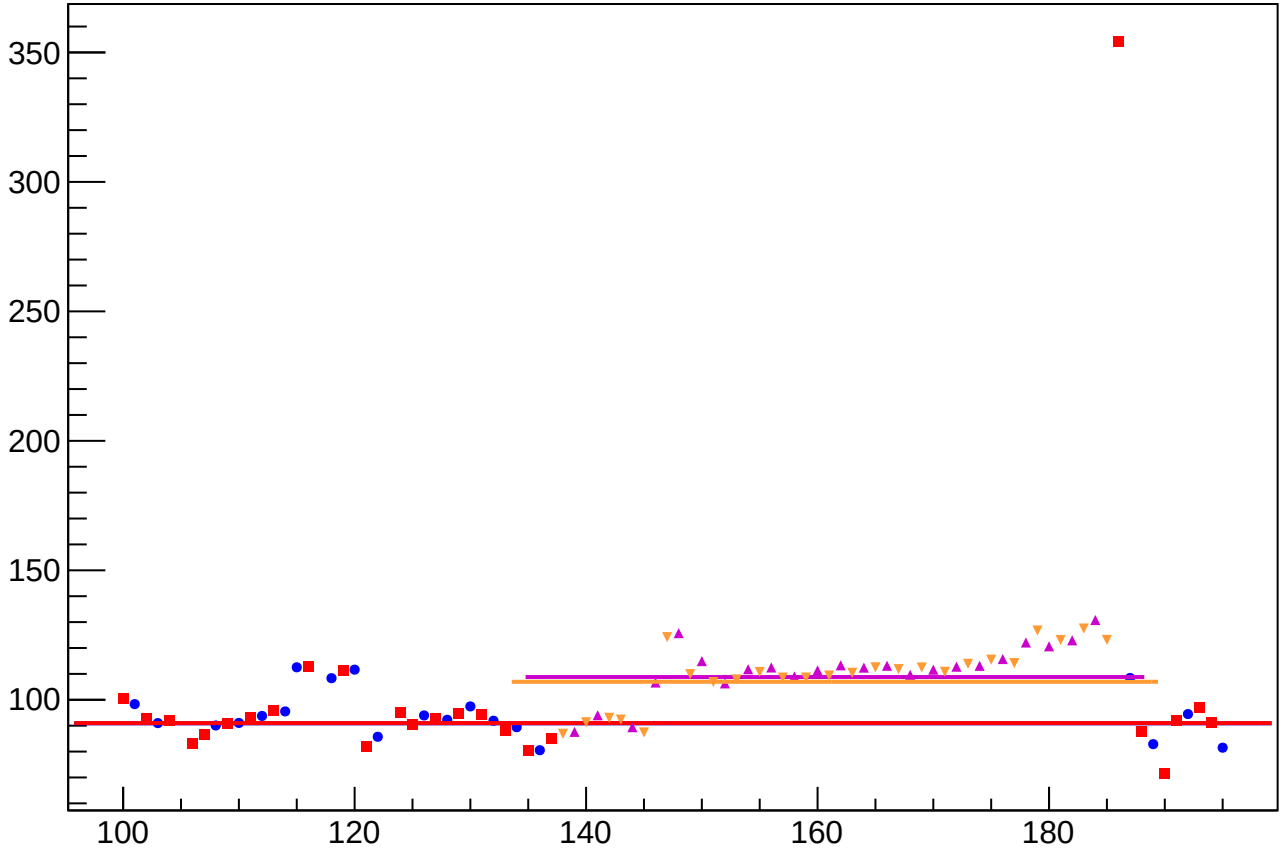
Right: -12.728+/-20.052 χ^2/NDF: 44.1/44

In: -90.772+/-19.208 χ^2/NDF:61.3/42

Out: -110.928+/-18.311 χ^2/NDF:74.3/49

All: -101.332+/-13.254 χ^2/NDF: 136.1/92

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 90.900+/-0.021 χ^2/NDF: 156228.5/19

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 90.992+/-0.020 χ^2/NDF: 611095.1/24

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

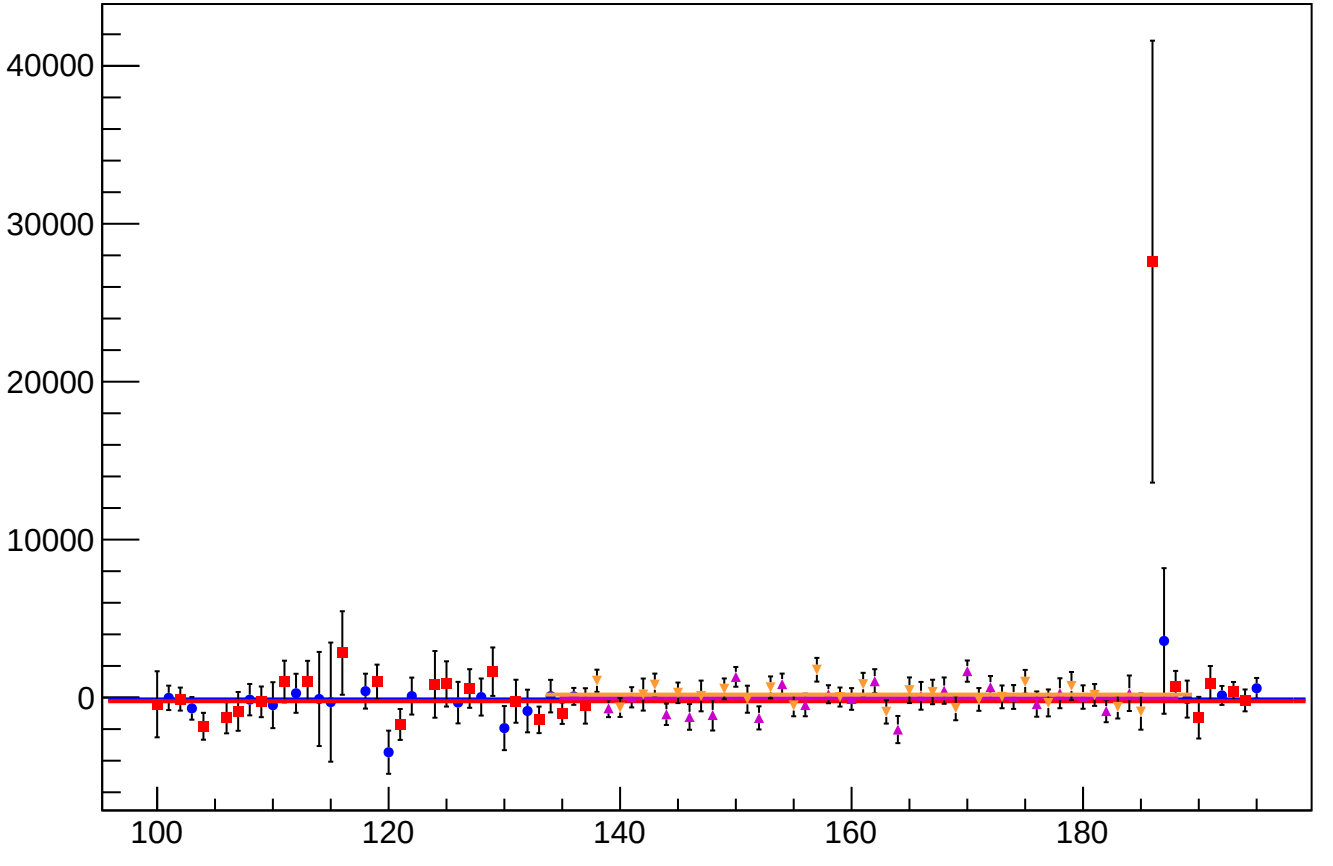
Right: 90.948+/-0.014 χ^2/NDF: 767334.1/44

In: 101.015+/-0.014 χ^2/NDF:940460.0/42

Out: 99.943+/-0.013 χ^2/NDF:1449702.3/49

All: 100.453+/-0.009 χ^2/NDF: 2393428.8/92

asym_sam_15_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -119.866+/-219.563 χ^2/NDF: 11.3/19

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -235.563+/-205.162 χ^2/NDF: 25.5/24

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

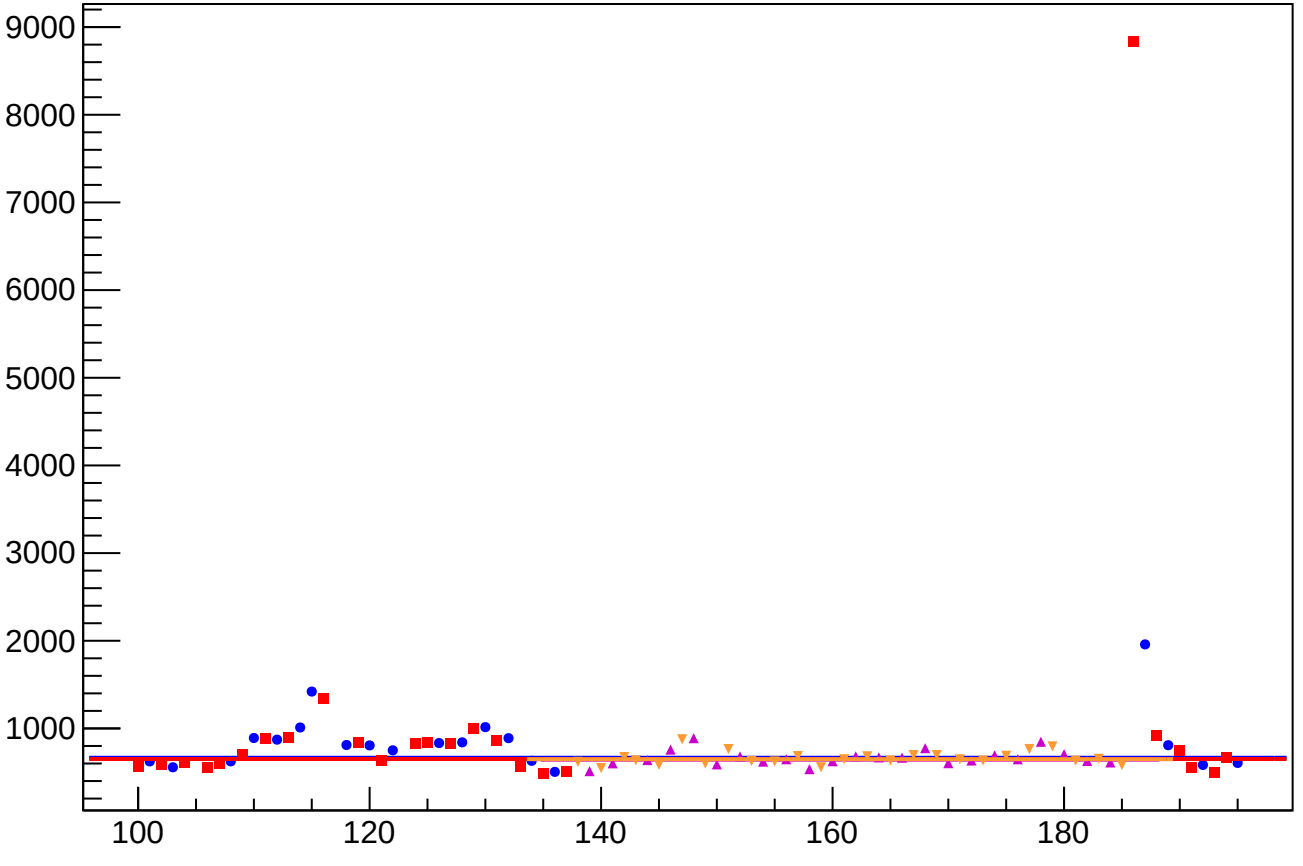
Right: -181.633+/-149.904 χ^2/NDF: 36.9/44

In: -68.085+/-125.007 χ^2/NDF:45.1/42

Out: 40.959+/-120.464 χ^2/NDF:47.3/49

All: -11.546+/-86.743 χ^2/NDF: 92.8/92

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 665.467+/-0.155 χ^2/NDF: 1014352.9/19

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 651.262+/-0.145 χ^2/NDF: 1796763.5/24

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

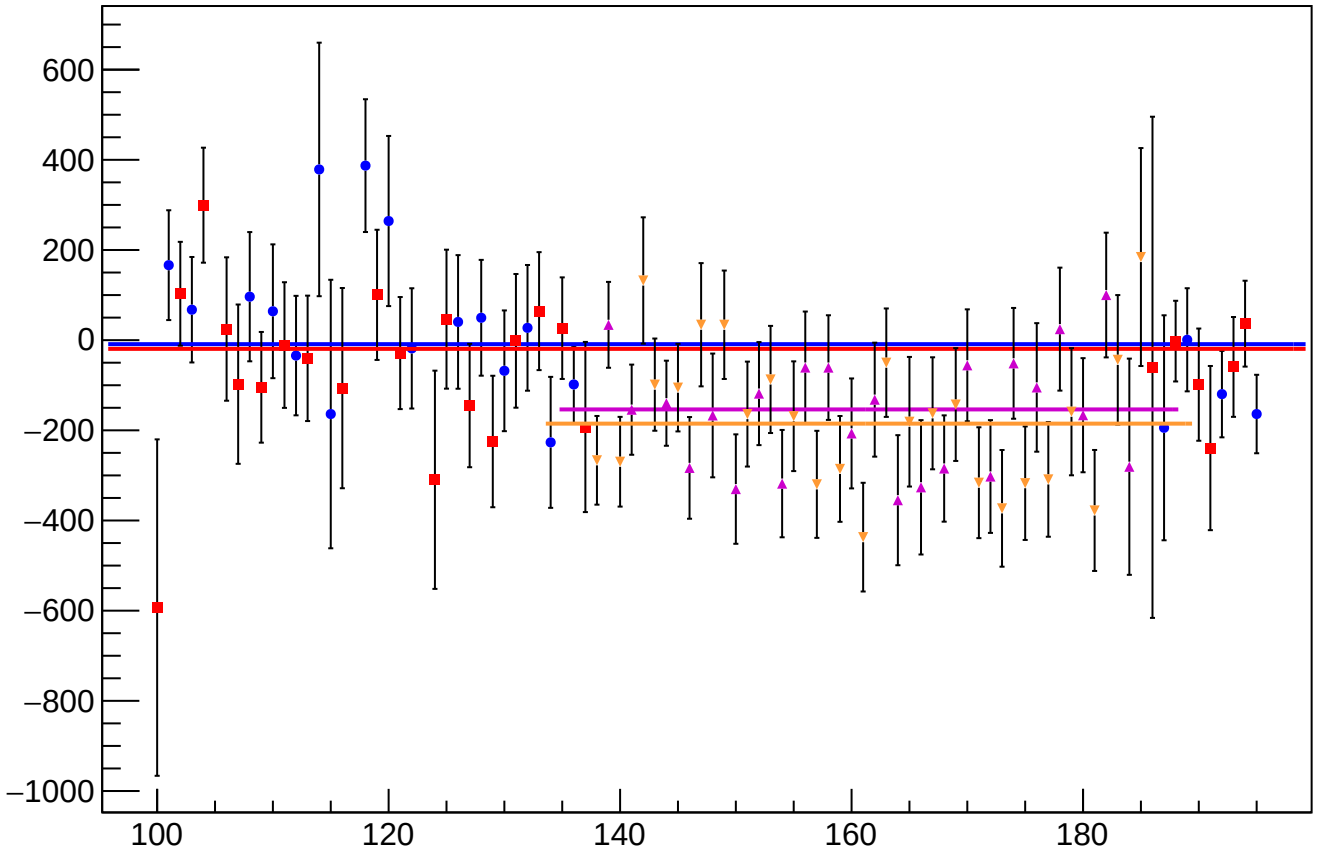
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 657.883+/-0.106 χ^2/NDF: 2815586.1/44

In: 651.008+/-0.088 χ^2/NDF:1586307.5/42

Out: 649.903+/-0.085 χ^2/NDF:2215262.0/49

All: 650.435+/-0.061 χ^2/NDF: 3801650.3/92



Right In: -8.880+/-29.148 χ^2/NDF: 23.8/19

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -19.299+/-27.701 χ^2/NDF: 19.6/24

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

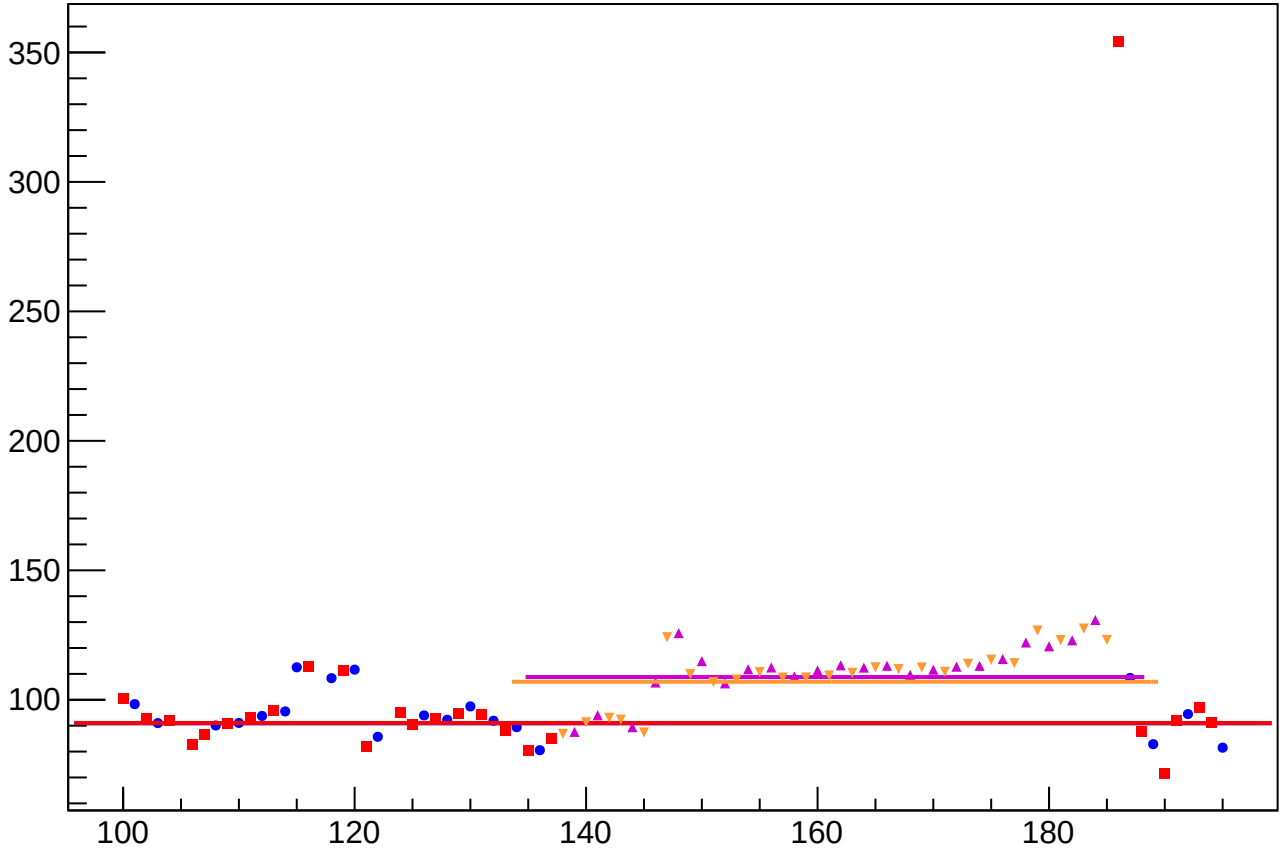
Right: -14.355+/-20.080 χ^2/NDF: 43.5/44

In: -90.771+/-19.208 χ^2/NDF:61.3/42

Out: -112.515+/-18.332 χ^2/NDF:72.8/49

All: -102.150+/-13.262 χ^2/NDF: 134.8/92

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 90.900+/-0.021 χ^2/NDF: 156228.5/19

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.017+/-0.020 χ^2/NDF: 610957.6/24

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

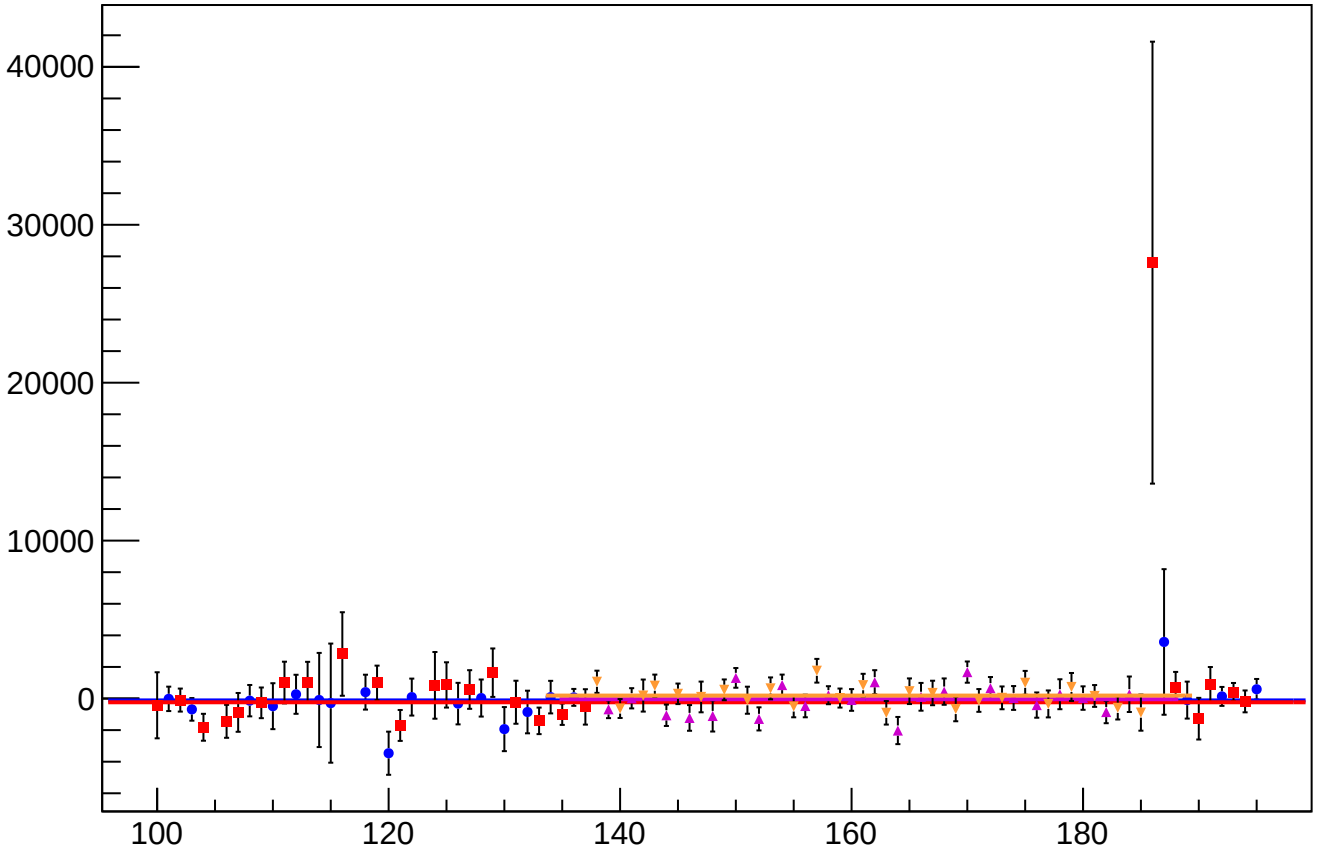
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 90.961+/-0.014 χ^2/NDF: 767203.0/44

In: 101.015+/-0.014 χ^2/NDF:940459.9/42

Out: 99.974+/-0.013 χ^2/NDF:1447317.2/49

All: 100.471+/-0.009 χ^2/NDF: 2390852.1/92



Right In: -119.865+/-219.563 χ^2/NDF: 11.3/19

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -237.117+/-205.625 χ^2/NDF: 25.7/24

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

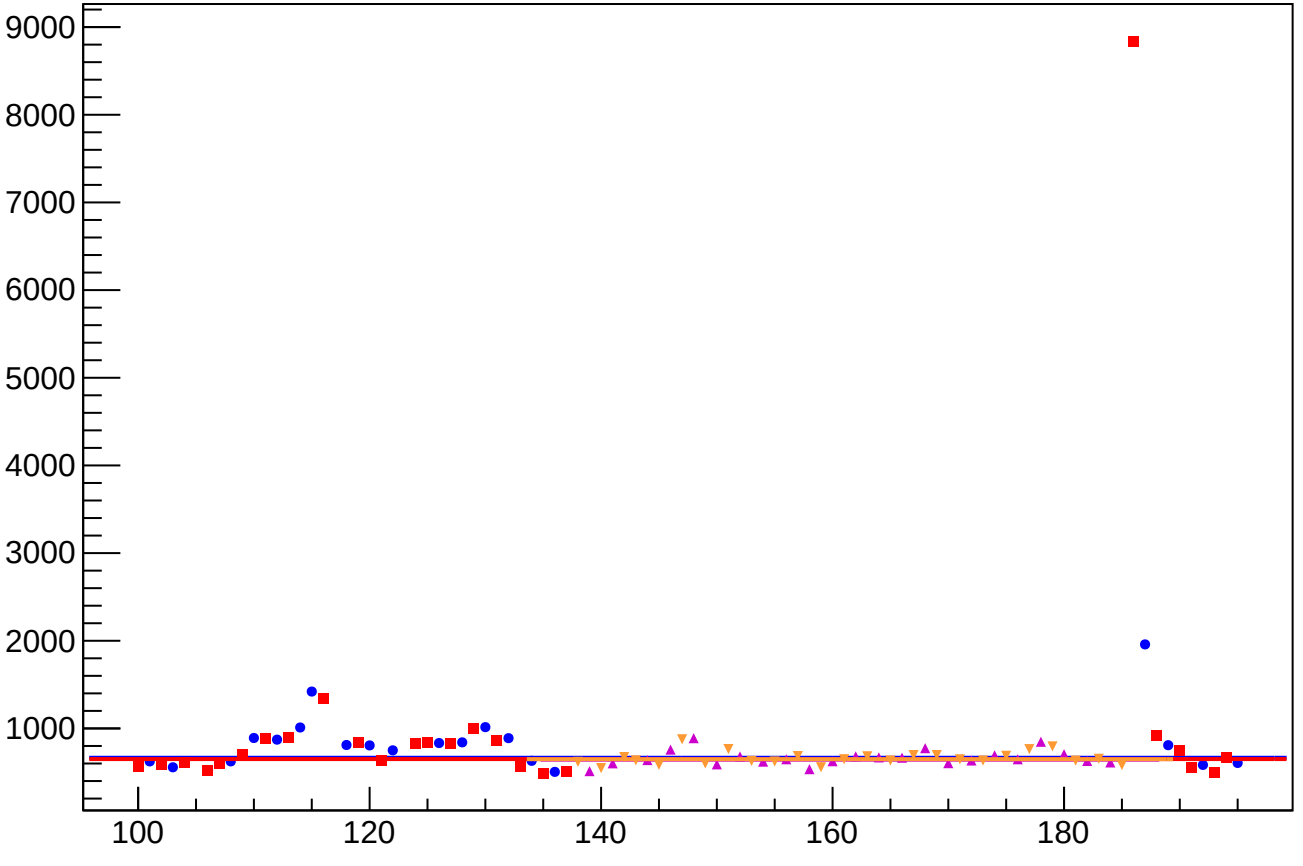
Right: -182.330+/-150.084 χ^2/NDF: 37.1/44

In: -68.086+/-125.007 χ^2/NDF:45.1/42

Out: 40.850+/-120.558 χ^2/NDF:47.6/49

All: -11.645+/-86.778 χ^2/NDF: 93.0/92

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 665.467+/-0.155 χ^2/NDF: 1014353.9/19

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 650.634+/-0.145 χ^2/NDF: 1806335.0/24

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

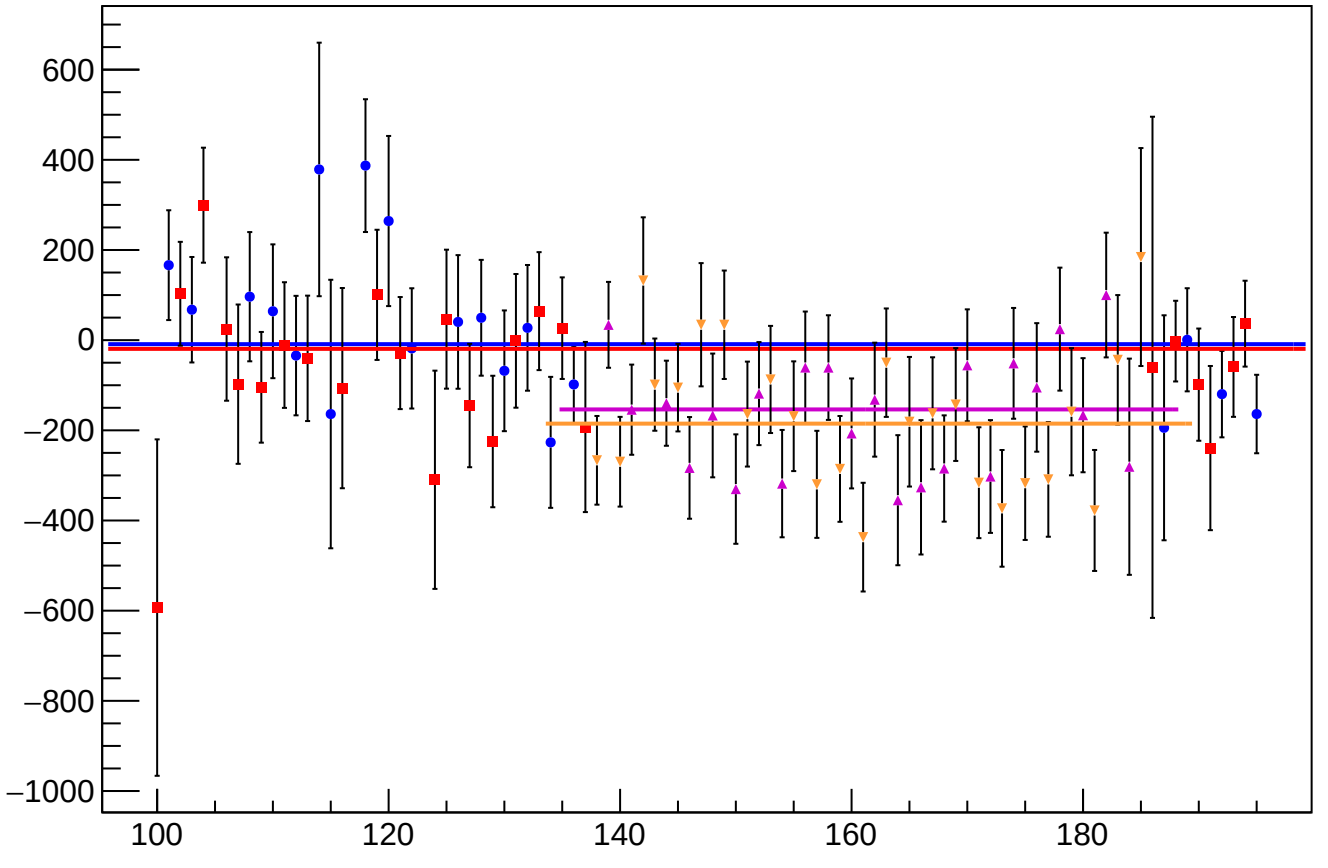
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 657.565+/-0.106 χ^2/NDF: 2825551.6/44

In: 651.007+/-0.088 χ^2/NDF:1586309.2/42

Out: 649.686+/-0.085 χ^2/NDF:2224765.3/49

All: 650.323+/-0.061 χ^2/NDF: 3811190.3/92



Right In: -8.880+/-29.148 χ^2/NDF: 23.8/19

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -19.299+/-27.701 χ^2/NDF: 19.6/24

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

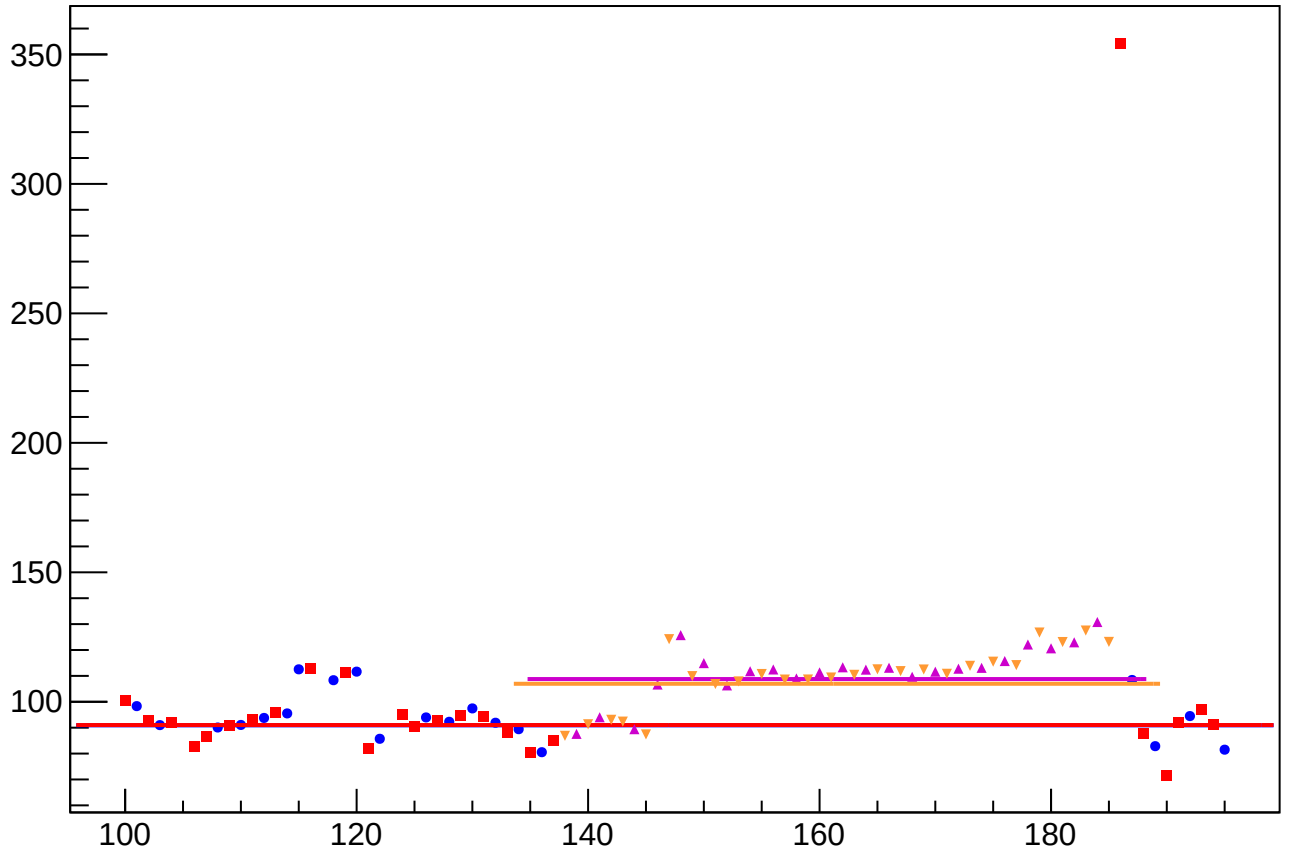
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -14.355+/-20.080 χ^2/NDF: 43.5/44

In: -90.771+/-19.208 χ^2/NDF:61.3/42

Out: -112.515+/-18.332 χ^2/NDF:72.8/49

All: -102.150+/-13.262 χ^2/NDF: 134.8/92



Right In: 90.900+/-0.021 χ^2/NDF: 156228.5/19

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.017+/-0.020 χ^2/NDF: 610957.6/24

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

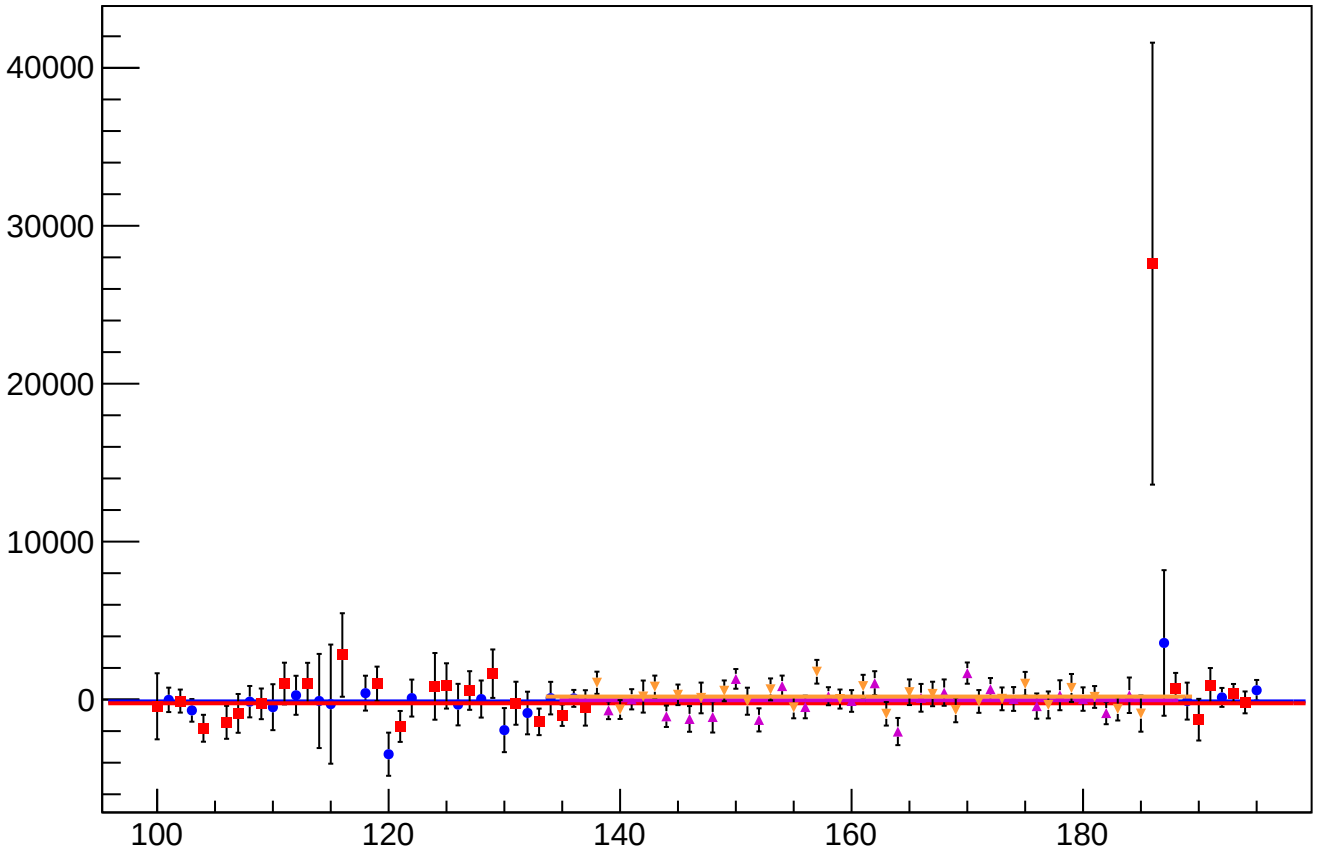
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 90.961+/-0.014 χ^2/NDF: 767203.0/44

In: 101.015+/-0.014 χ^2/NDF:940459.9/42

Out: 99.974+/-0.013 χ^2/NDF:1447317.2/49

All: 100.471+/-0.009 χ^2/NDF: 2390852.1/92



Right In: -119.865+/-219.563 χ^2/NDF: 11.3/19

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -237.117+/-205.625 χ^2/NDF: 25.7/24

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

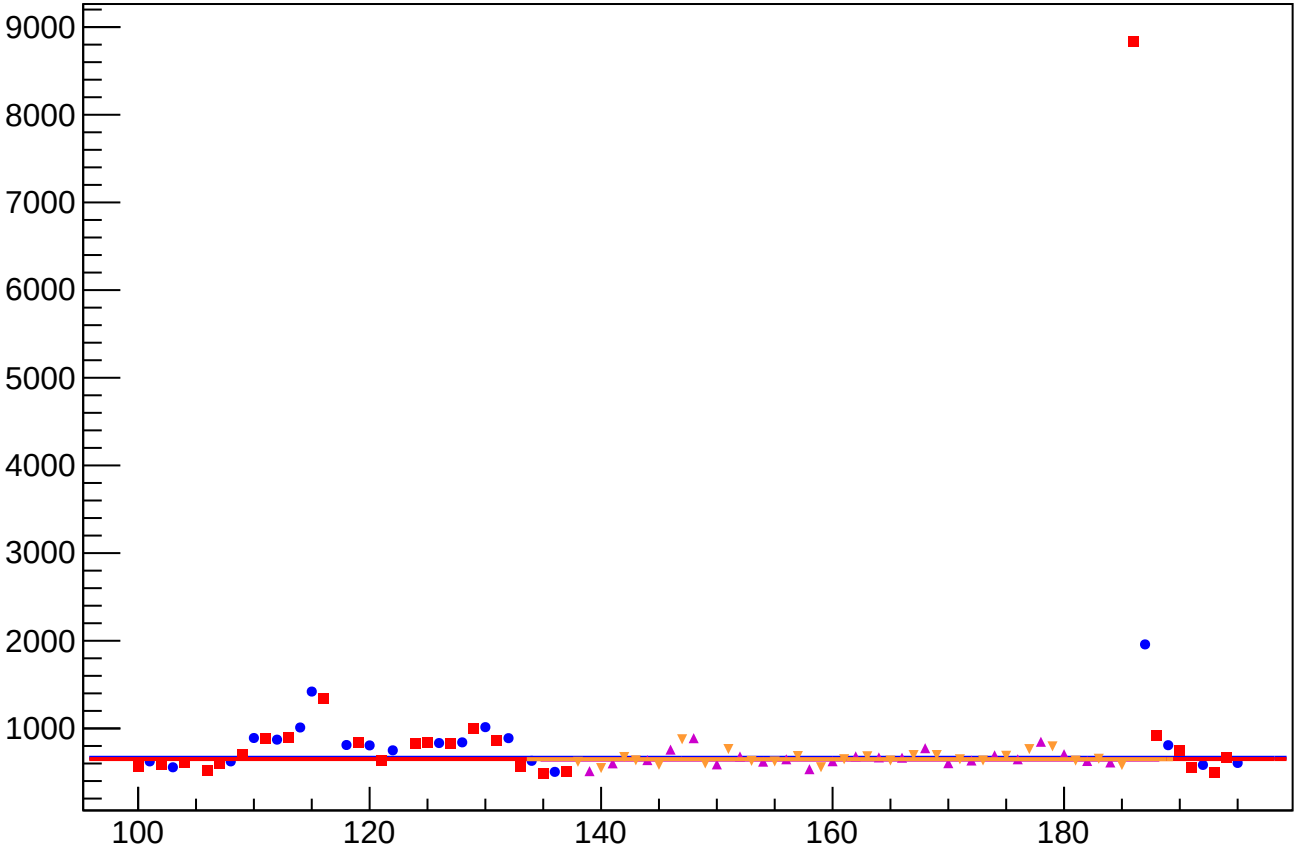
Right: -182.330+/-150.084 χ^2/NDF: 37.1/44

In: -68.086+/-125.007 χ^2/NDF:45.1/42

Out: 40.850+/-120.558 χ^2/NDF:47.6/49

All: -11.645+/-86.778 χ^2/NDF: 93.0/92

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 665.467+/-0.155 χ^2/NDF: 1014353.9/19

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 650.634+/-0.145 χ^2/NDF: 1806335.0/24

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

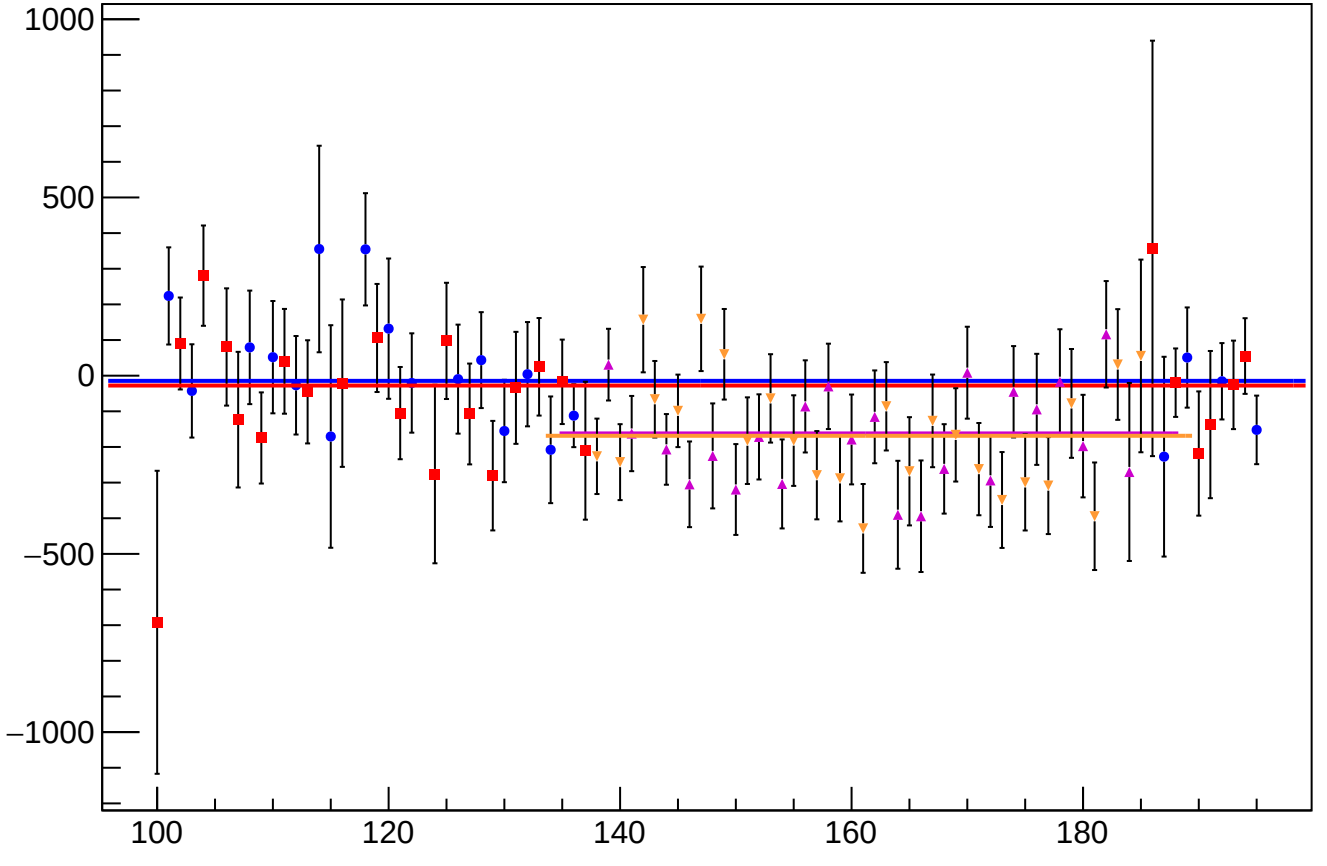
Right: 657.565+/-0.106 χ^2/NDF: 2825551.6/44

In: 651.007+/-0.088 χ^2/NDF:1586309.2/42

Out: 649.686+/-0.085 χ^2/NDF:2224765.3/49

All: 650.323+/-0.061 χ^2/NDF: 3811190.3/92

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -14.532+/-31.484 χ^2/NDF: 18.5/19

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -27.636+/-29.928 χ^2/NDF: 19.6/24

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

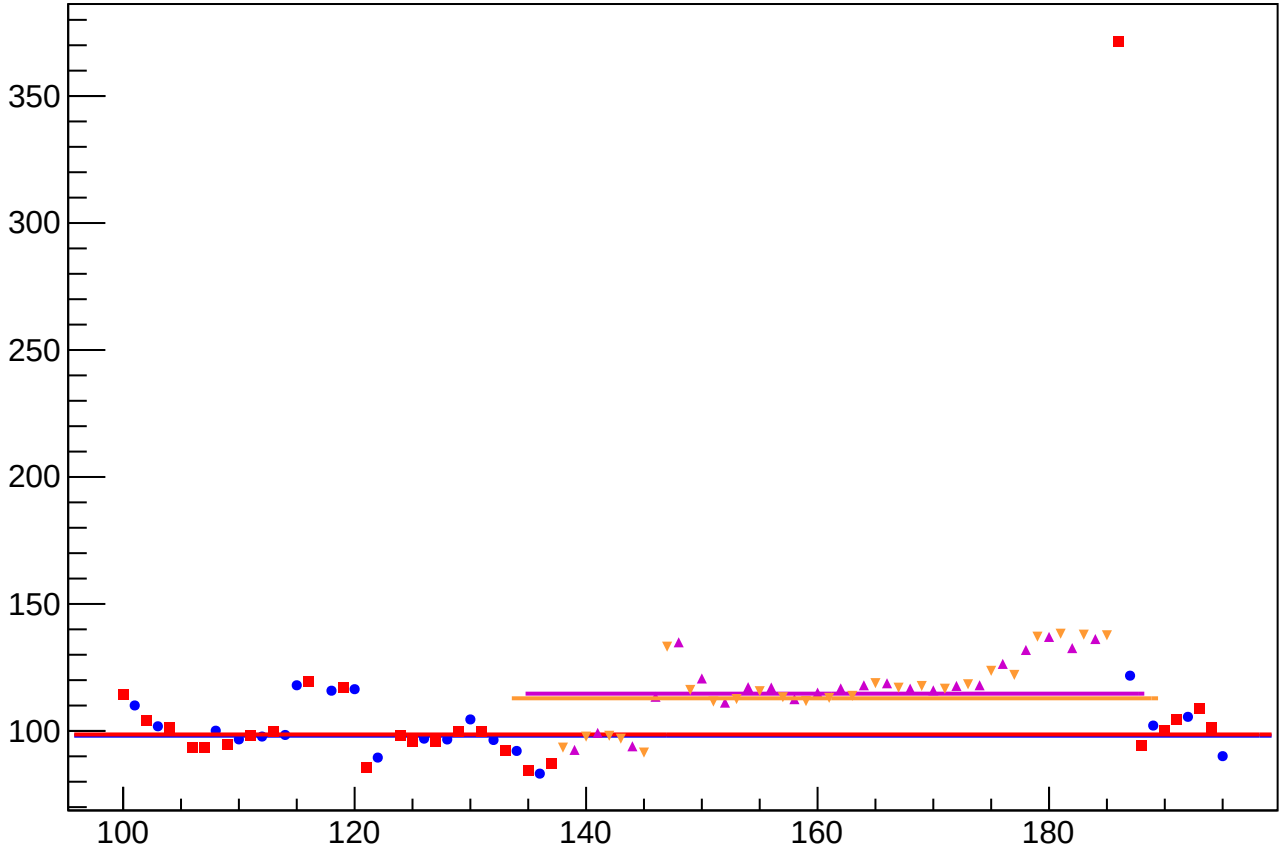
Right: -21.416+/-21.691 χ^2/NDF: 38.2/44

In: -99.663+/-20.473 χ^2/NDF:54.7/42

Out: -108.470+/-19.549 χ^2/NDF:64.7/49

All: -104.270+/-14.139 χ^2/NDF: 119.5/92

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 98.128+/-0.022 χ^2/NDF: 180329.5/19

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.613+/-0.021 χ^2/NDF: 578837.6/24

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

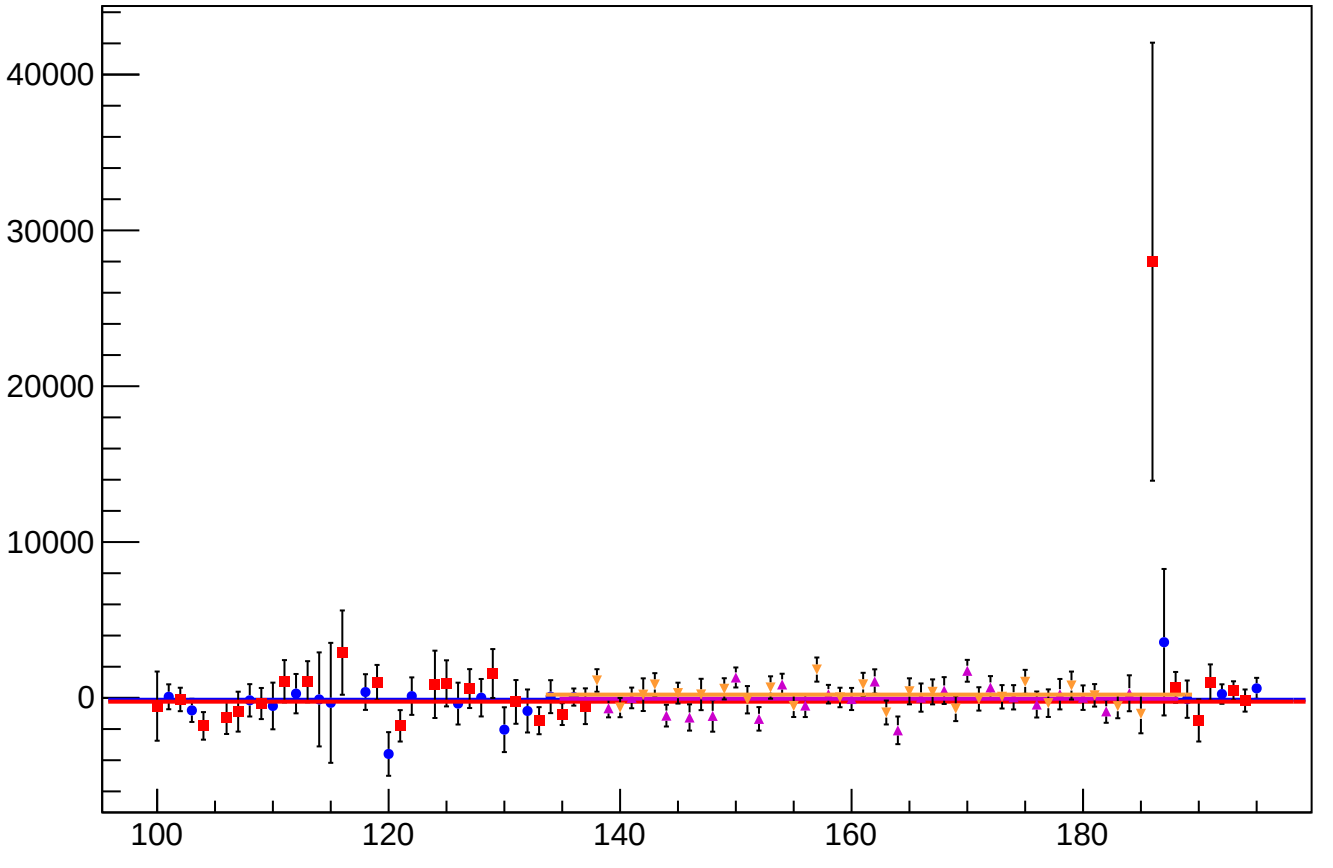
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 98.383+/-0.015 χ^2/NDF: 759416.8/44

In: 107.680+/-0.014 χ^2/NDF:909207.6/42

Out: 106.775+/-0.014 χ^2/NDF:1350557.6/49

All: 107.206+/-0.010 χ^2/NDF: 2261808.6/92



Right In: -119.656+/-226.524 χ^2/NDF: 11.8/19

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -242.148+/-212.166 χ^2/NDF: 25.4/24

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

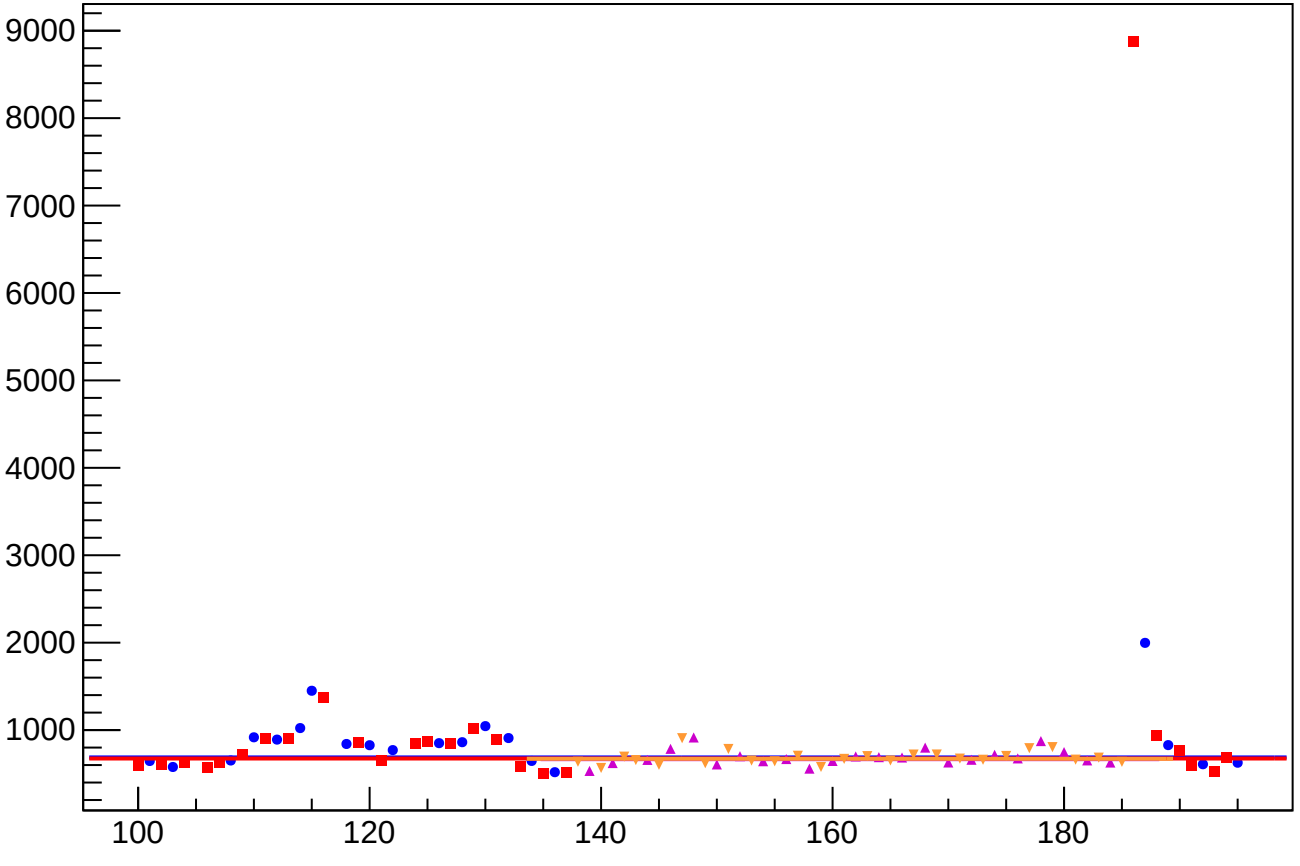
Right: -184.907+/-154.851 χ^2/NDF: 37.4/44

In: -72.877+/-129.306 χ^2/NDF:45.2/42

Out: 53.674+/-124.590 χ^2/NDF:47.3/49

All: -7.252+/-89.720 χ^2/NDF: 93.0/92

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 687.343+/-0.160 χ^2/NDF: 988777.9/19

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 674.880+/-0.150 χ^2/NDF: 1729816.7/24

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

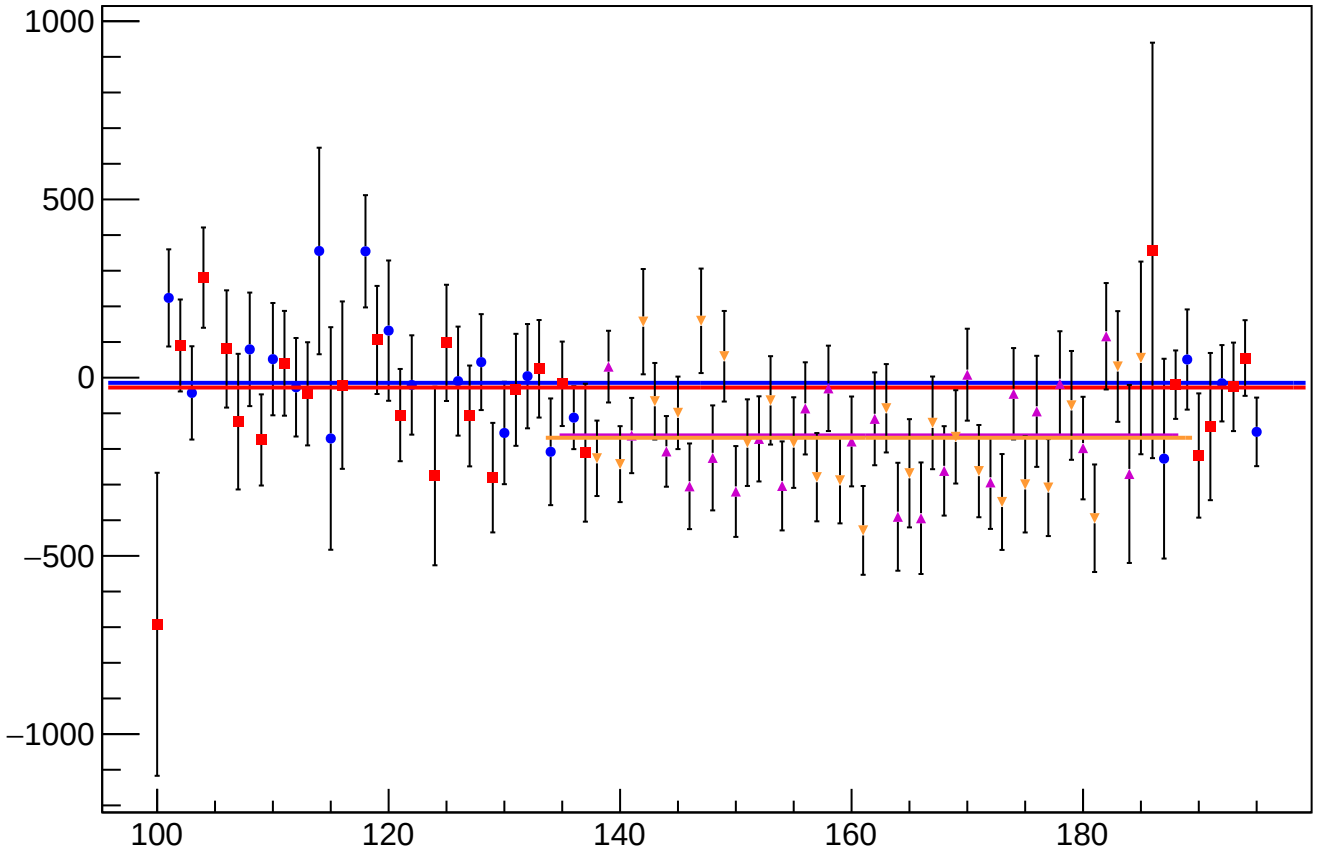
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 680.704+/-0.109 χ^2/NDF: 2721819.4/44

In: 673.859+/-0.091 χ^2/NDF:1546193.8/42

Out: 672.894+/-0.088 χ^2/NDF:2129244.2/49

All: 673.358+/-0.063 χ^2/NDF: 3675495.8/92



Right In: -14.531+/-31.484 χ^2/NDF: 18.5/19

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -27.637+/-29.928 χ^2/NDF: 19.6/24

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

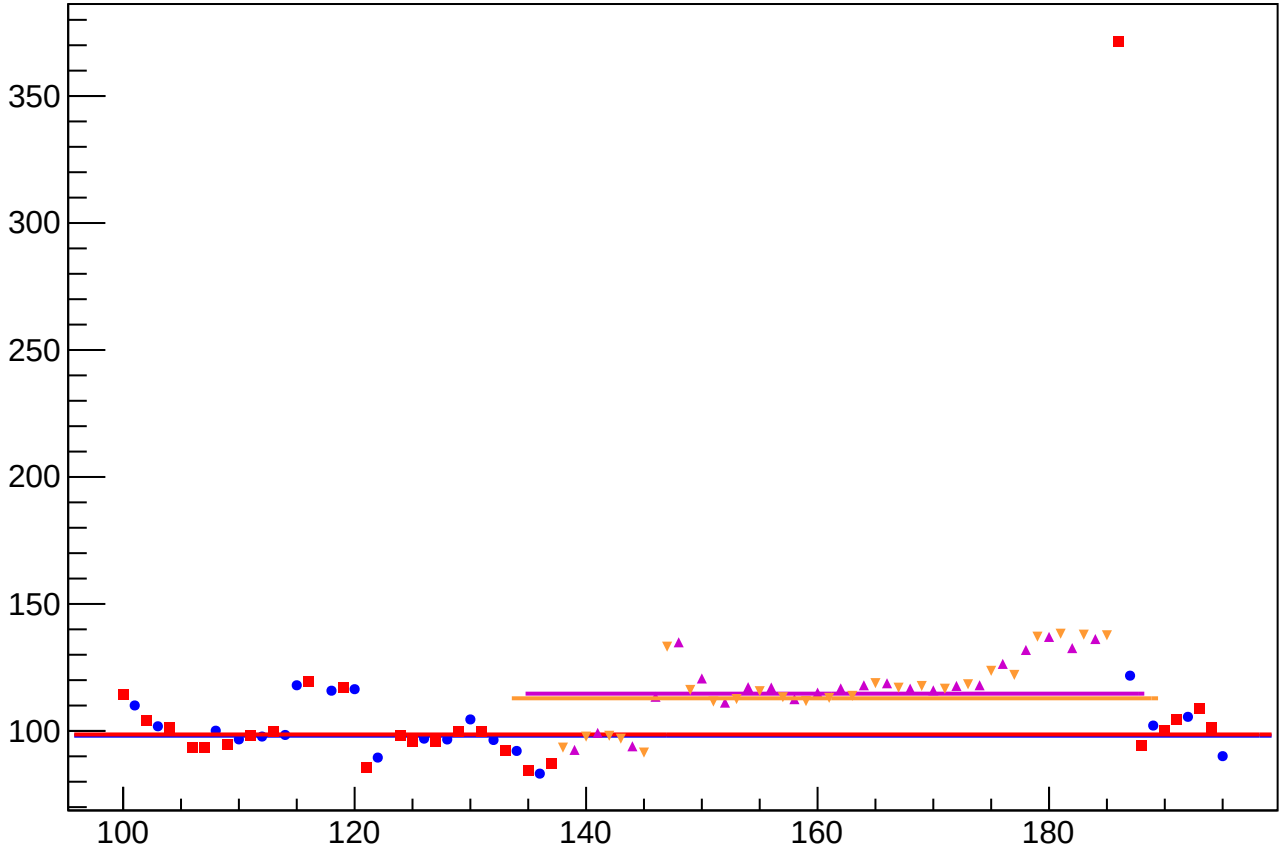
Right: -21.416+/-21.691 χ^2/NDF: 38.2/44

In: -99.663+/-20.473 χ^2/NDF:54.7/42

Out: -108.470+/-19.549 χ^2/NDF:64.7/49

All: -104.270+/-14.139 χ^2/NDF: 119.5/92

eigen_dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 98.127+/-0.022 χ^2/NDF: 180333.4/19

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 98.613+/-0.021 χ^2/NDF: 578836.8/24

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

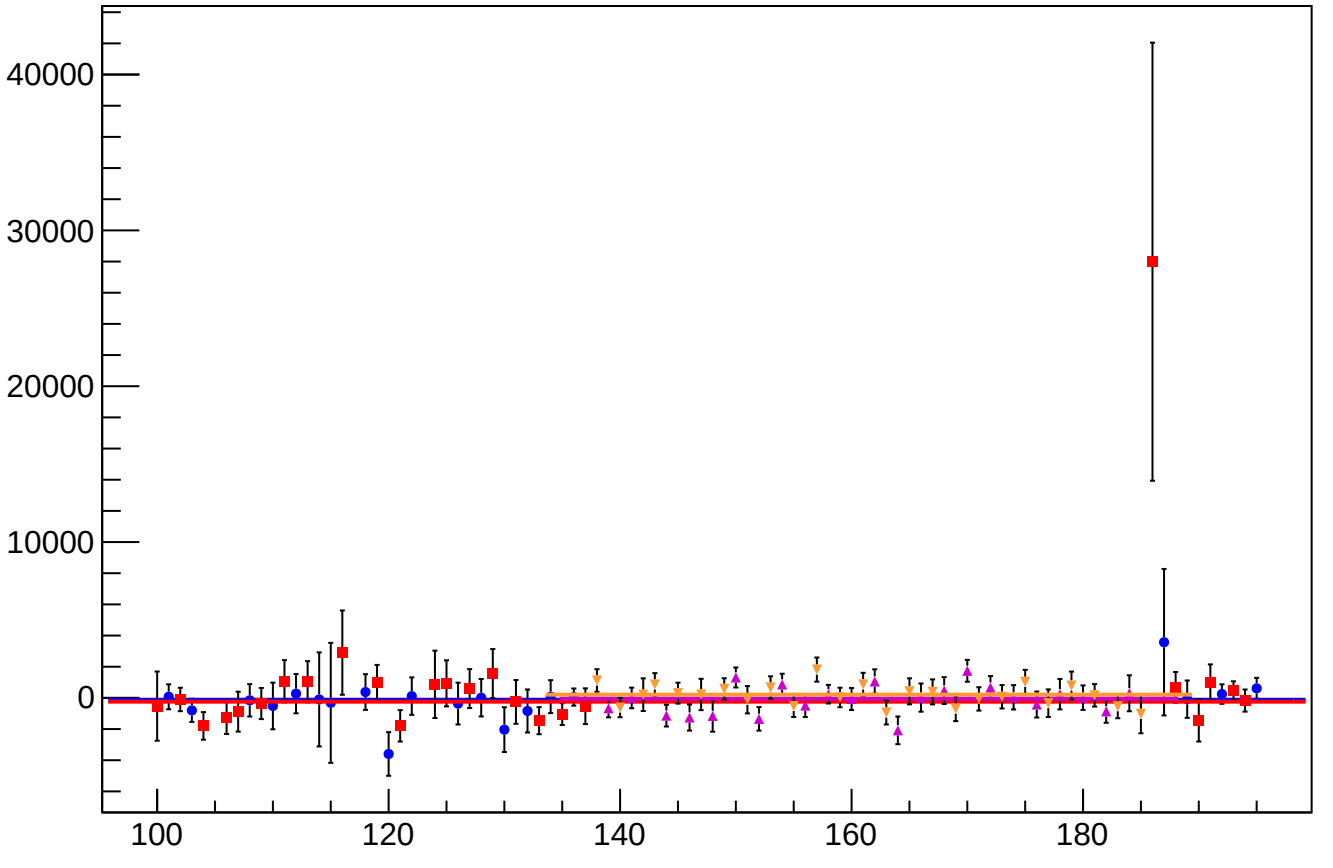
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 98.382+/-0.015 χ^2/NDF: 759420.0/44

In: 107.680+/-0.014 χ^2/NDF:909220.0/42

Out: 106.775+/-0.014 χ^2/NDF:1350558.1/49

All: 107.206+/-0.010 χ^2/NDF: 2261821.6/92



Right In: -119.655+/-226.524 χ^2/NDF: 11.8/19

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -242.149+/-212.166 χ^2/NDF: 25.4/24

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

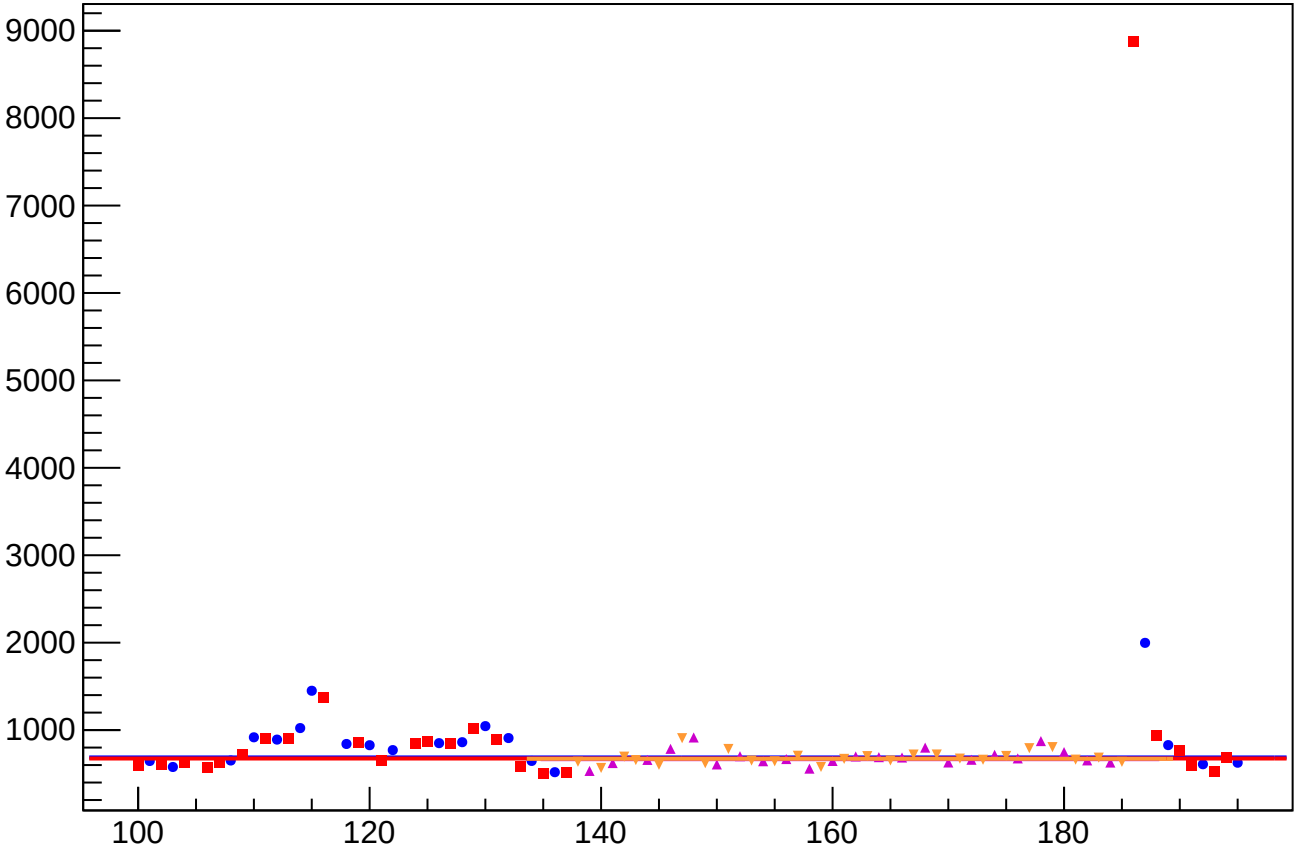
Right: -184.907+/-154.851 χ^2/NDF: 37.4/44

In: -72.877+/-129.306 χ^2/NDF:45.2/42

Out: 53.673+/-124.590 χ^2/NDF:47.3/49

All: -7.252+/-89.720 χ^2/NDF: 93.0/92

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 687.342+/-0.160 χ^2/NDF: 988780.9/19

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 674.879+/-0.150 χ^2/NDF: 1729821.3/24

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

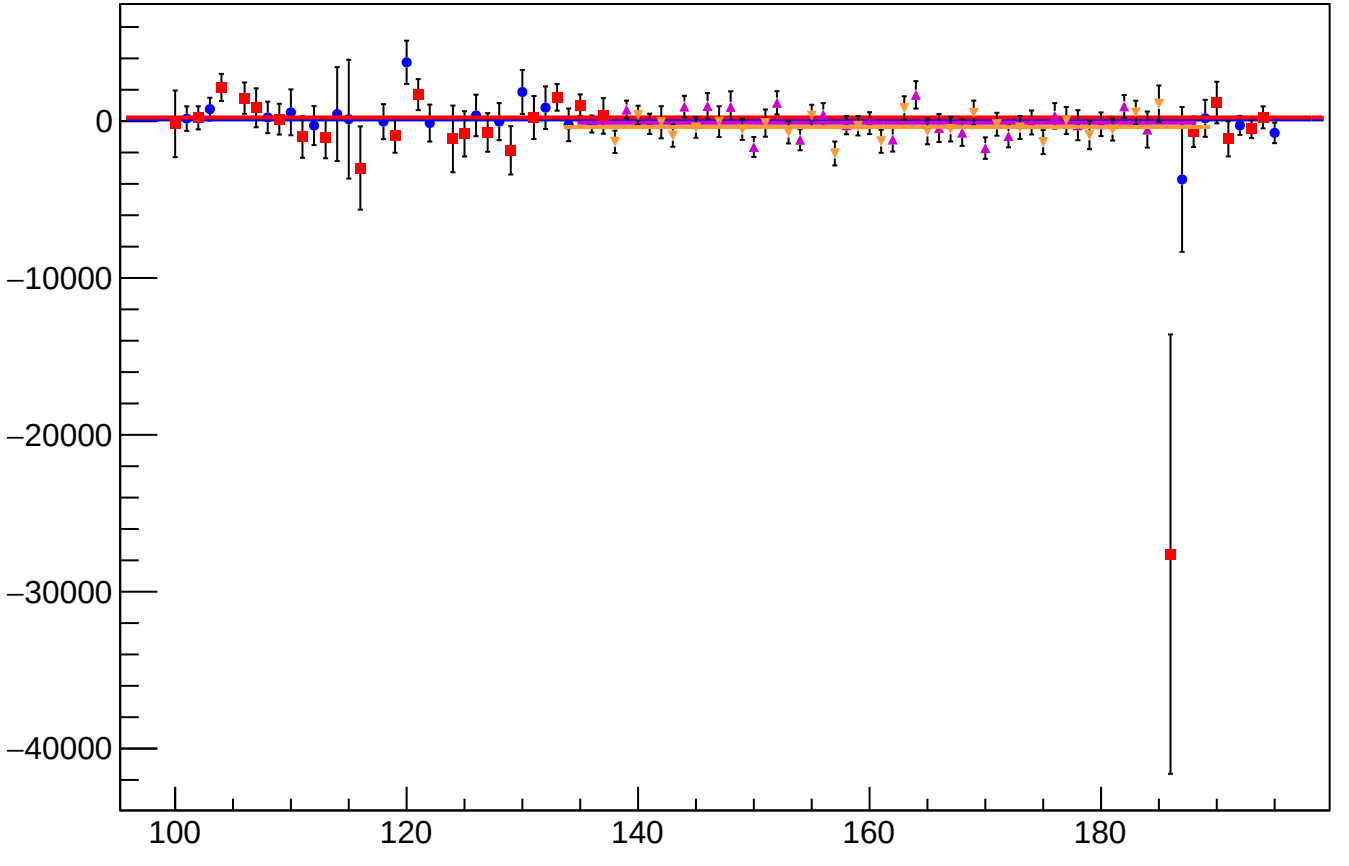
Right: 680.703+/-0.109 χ^2/NDF: 2721826.9/44

In: 673.859+/-0.091 χ^2/NDF:1546197.2/42

Out: 672.894+/-0.088 χ^2/NDF:2129248.9/49

All: 673.359+/-0.063 χ^2/NDF: 3675503.9/92

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 107.934+/-221.844 χ^2/NDF: 13.2/19

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 234.710+/-207.478 χ^2/NDF: 28.7/24

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

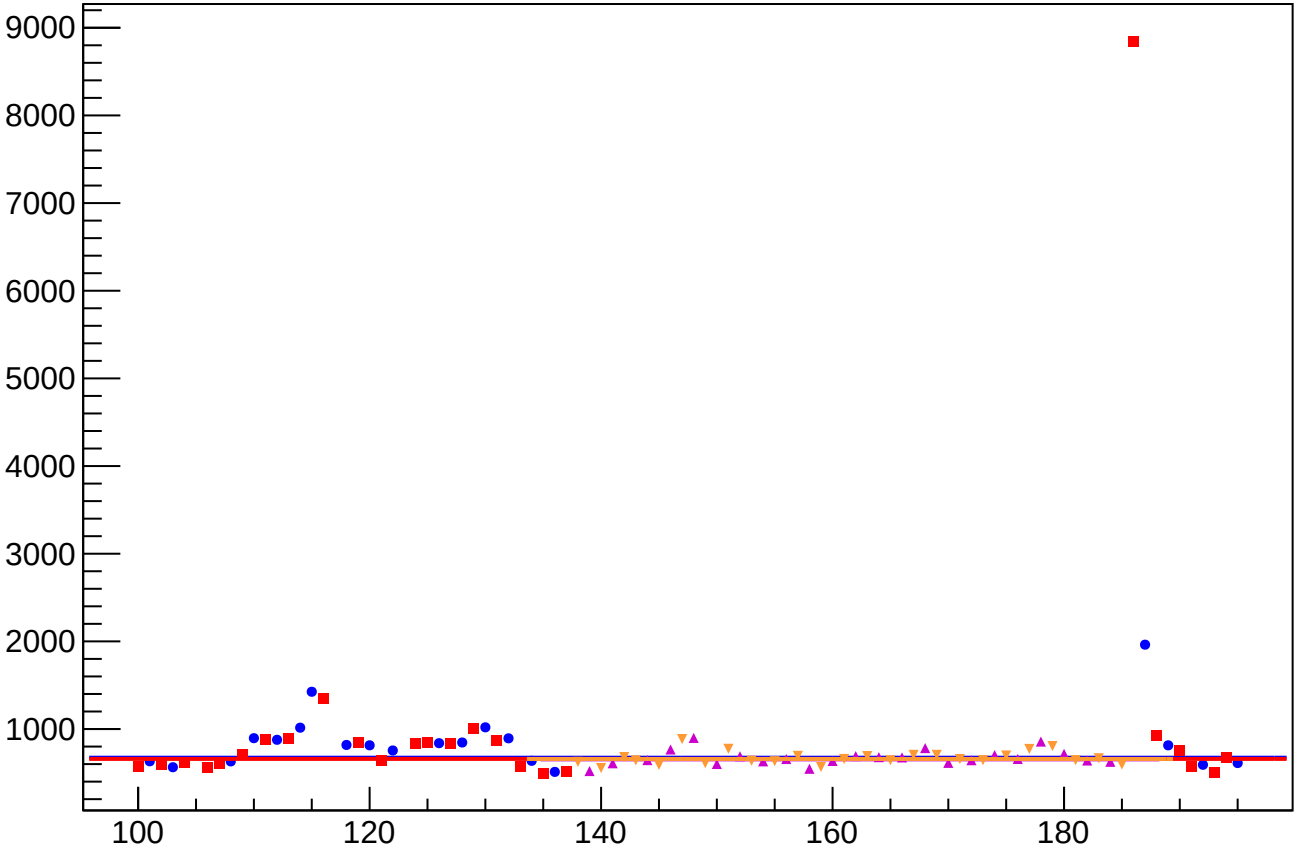
Right: 175.560+/-151.533 χ^2/NDF: 42.0/44

In: -34.422+/-126.692 χ^2/NDF:49.3/42

Out: -165.418+/-122.064 χ^2/NDF:55.8/49

All: -102.357+/-87.903 χ^2/NDF: 105.6/92

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 672.881+/-0.157 χ^2/NDF: 991801.8/19

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 659.325+/-0.147 χ^2/NDF: 1762229.4/24

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

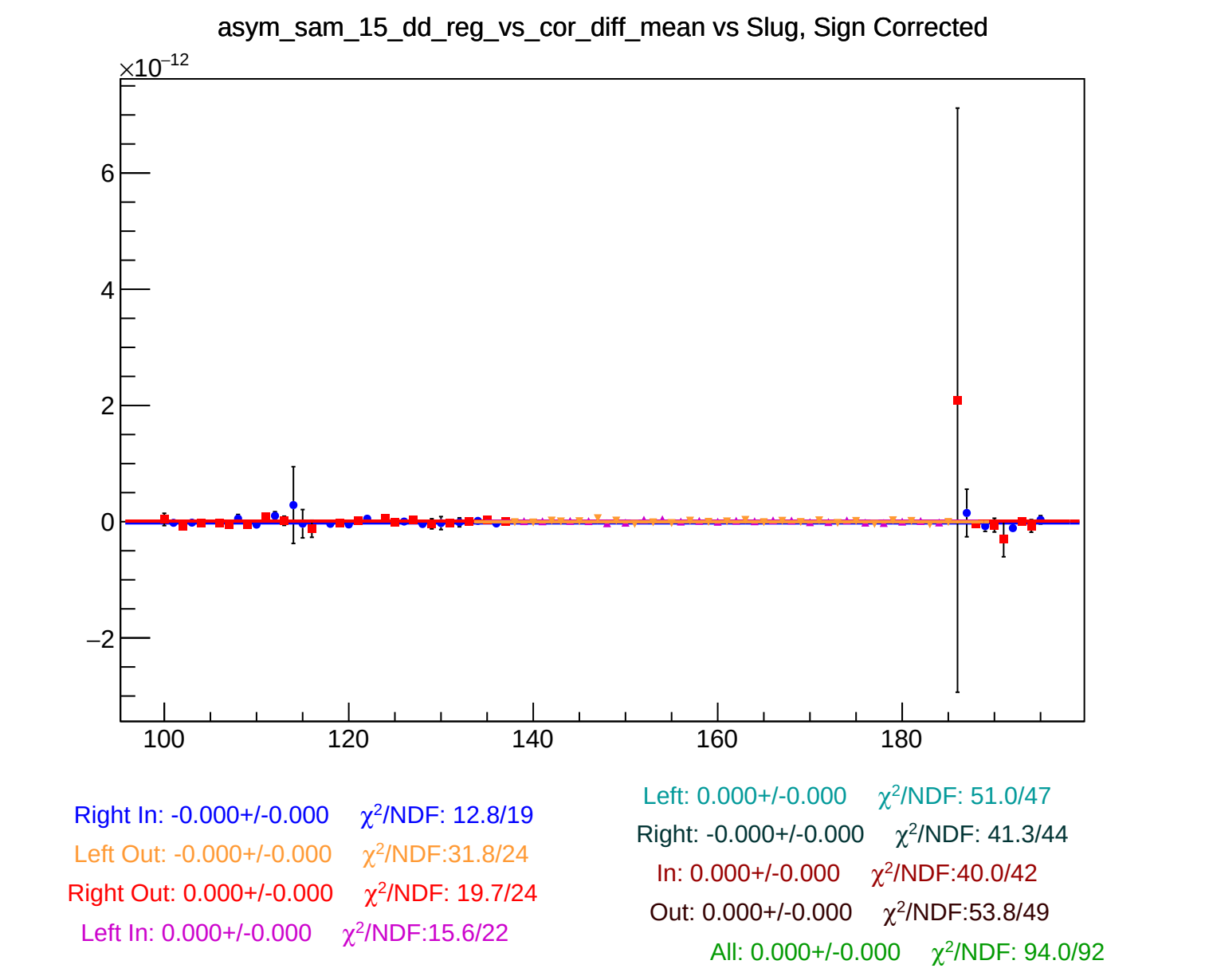
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

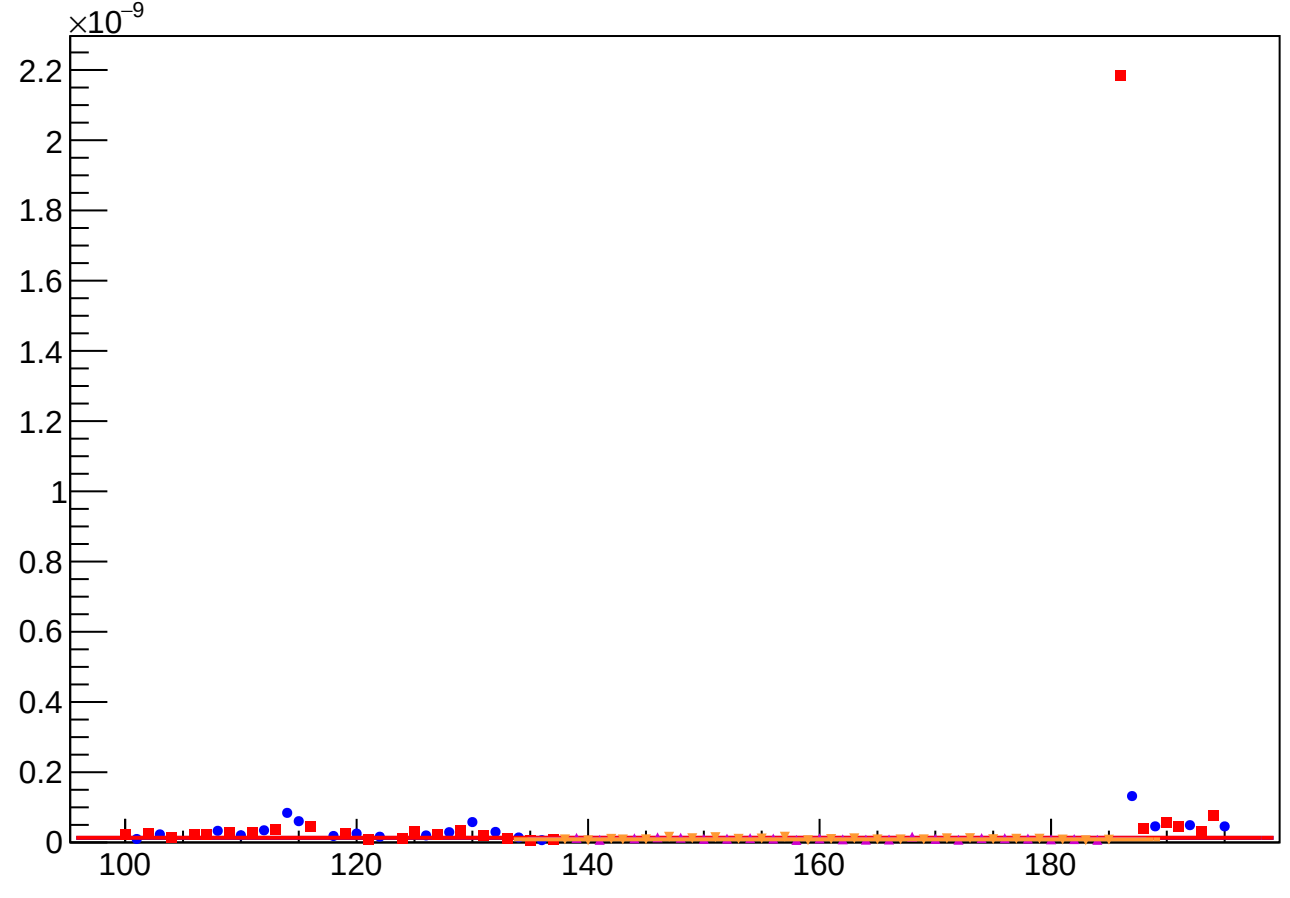
Right: 665.650+/-0.107 χ^2/NDF: 2758014.9/44

In: 660.124+/-0.090 χ^2/NDF:1543694.3/42

Out: 658.898+/-0.086 χ^2/NDF:2171926.7/49

All: 659.488+/-0.062 χ^2/NDF: 3715718.2/92


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
Right In: -0.000+/-0.000 χ²/NDF: 12.8/19
Left Out: -0.000+/-0.000 χ²/NDF:31.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.7/24
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: 41.3/44
In: 0.000+/-0.000 χ²/NDF:40.0/42
Out: 0.000+/-0.000 χ²/NDF:53.8/49
All: 0.000+/-0.000 χ²/NDF: 94.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 3613261.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4268959.6/24

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

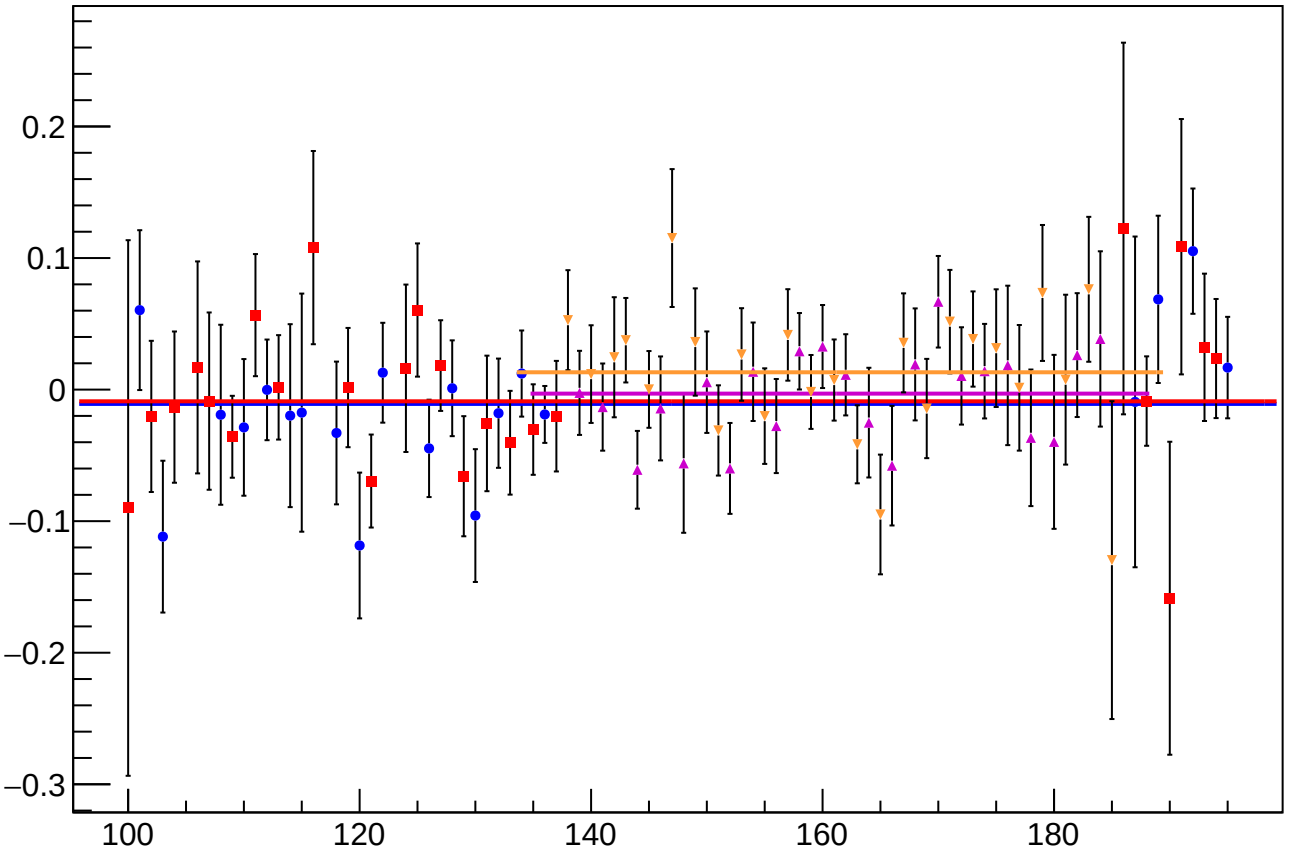
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7885987.9/44

In: 0.000+/-0.000 χ^2/NDF:4470142.0/42

Out: 0.000+/-0.000 χ^2/NDF:5861533.4/49

All: 0.000+/-0.000 χ^2/NDF: 10431203.3/92



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

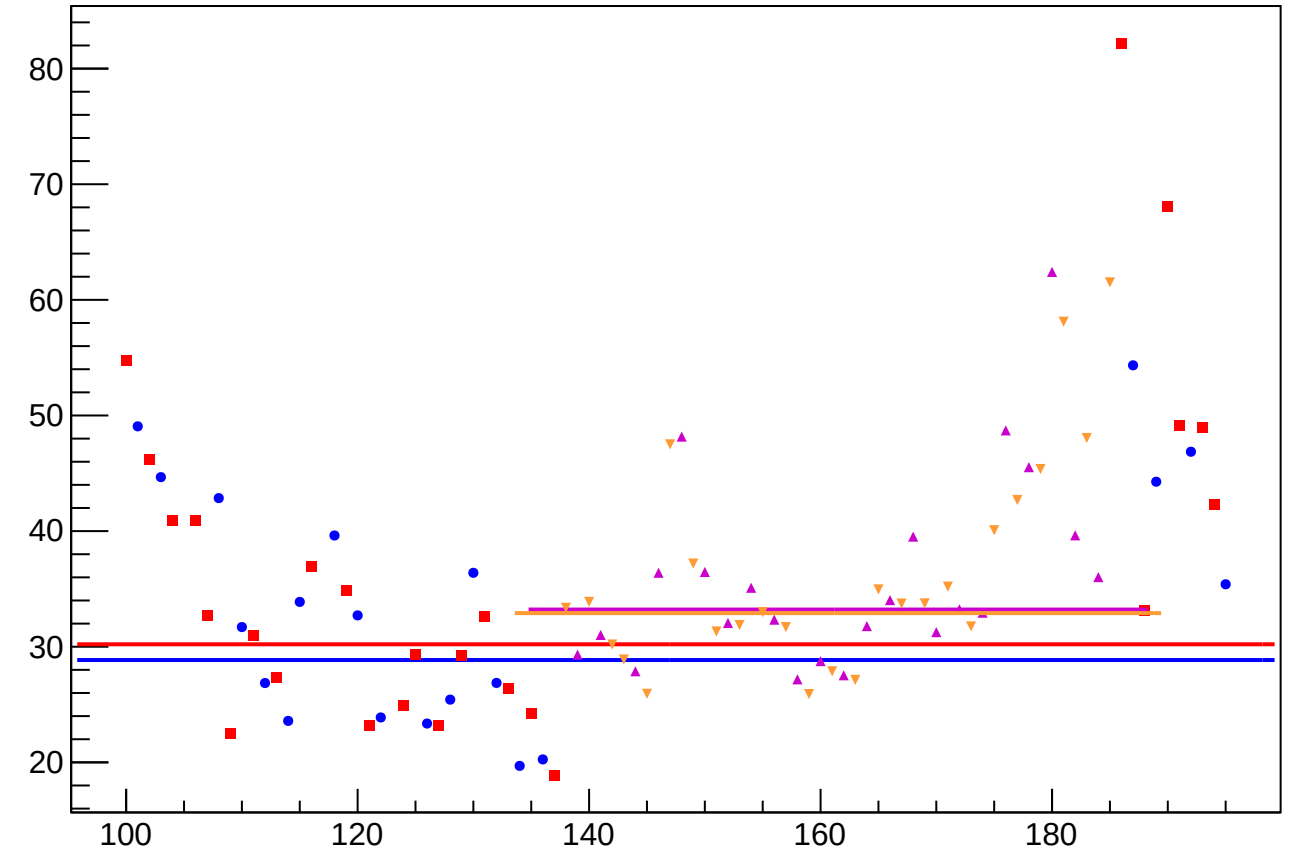
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.010+/-0.007 χ^2/NDF: 40.5/44

In: -0.006+/-0.006 χ^2/NDF:41.0/42

Out: 0.005+/-0.006 χ^2/NDF:47.6/49

All: -0.001+/-0.004 χ^2/NDF: 90.2/92



Right In: 28.850+/-0.007 χ^2/NDF: 1734332.7/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 30.211+/-0.007 χ^2/NDF: 1797633.9/24

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

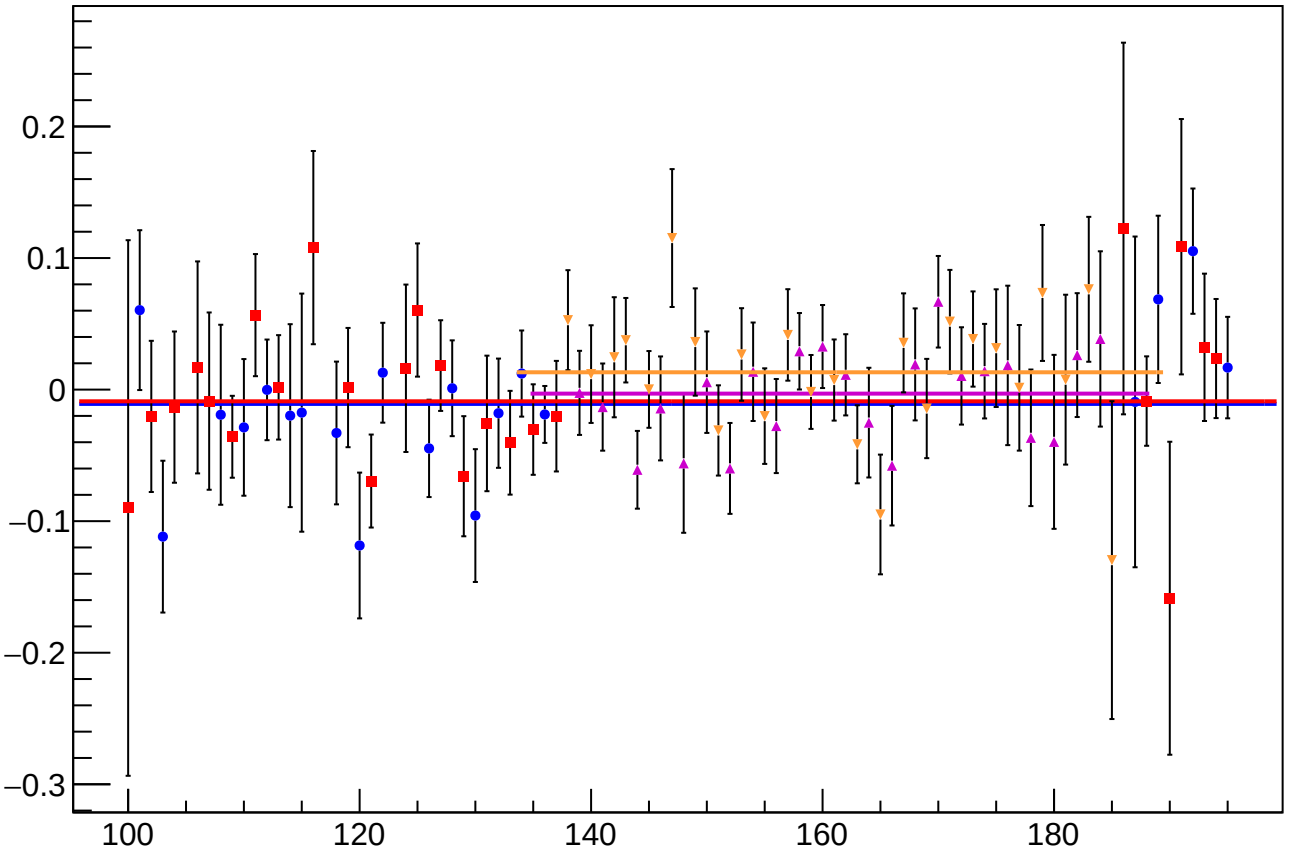
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 29.544+/-0.005 χ^2/NDF: 3551779.8/44

In: 31.473+/-0.004 χ^2/NDF:3195922.3/42

Out: 31.853+/-0.004 χ^2/NDF:3321984.5/49

All: 31.669+/-0.003 χ^2/NDF: 6521799.7/92



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

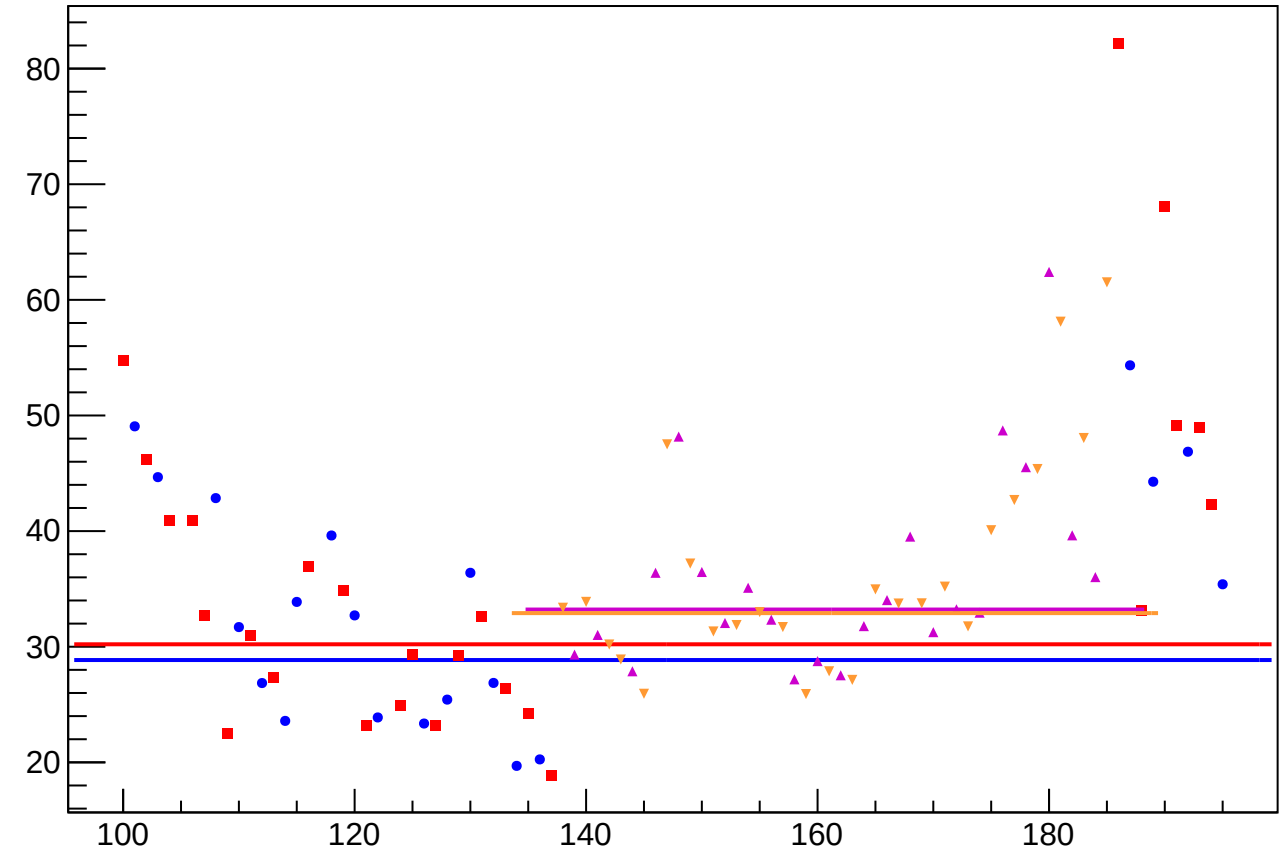
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.010+/-0.007 χ^2/NDF: 40.5/44

In: -0.006+/-0.006 χ^2/NDF:41.0/42

Out: 0.005+/-0.006 χ^2/NDF:47.6/49

All: -0.001+/-0.004 χ^2/NDF: 90.2/92



Right In: 28.850+/-0.007 χ^2/NDF: 1734332.7/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 30.211+/-0.007 χ^2/NDF: 1797633.9/24

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

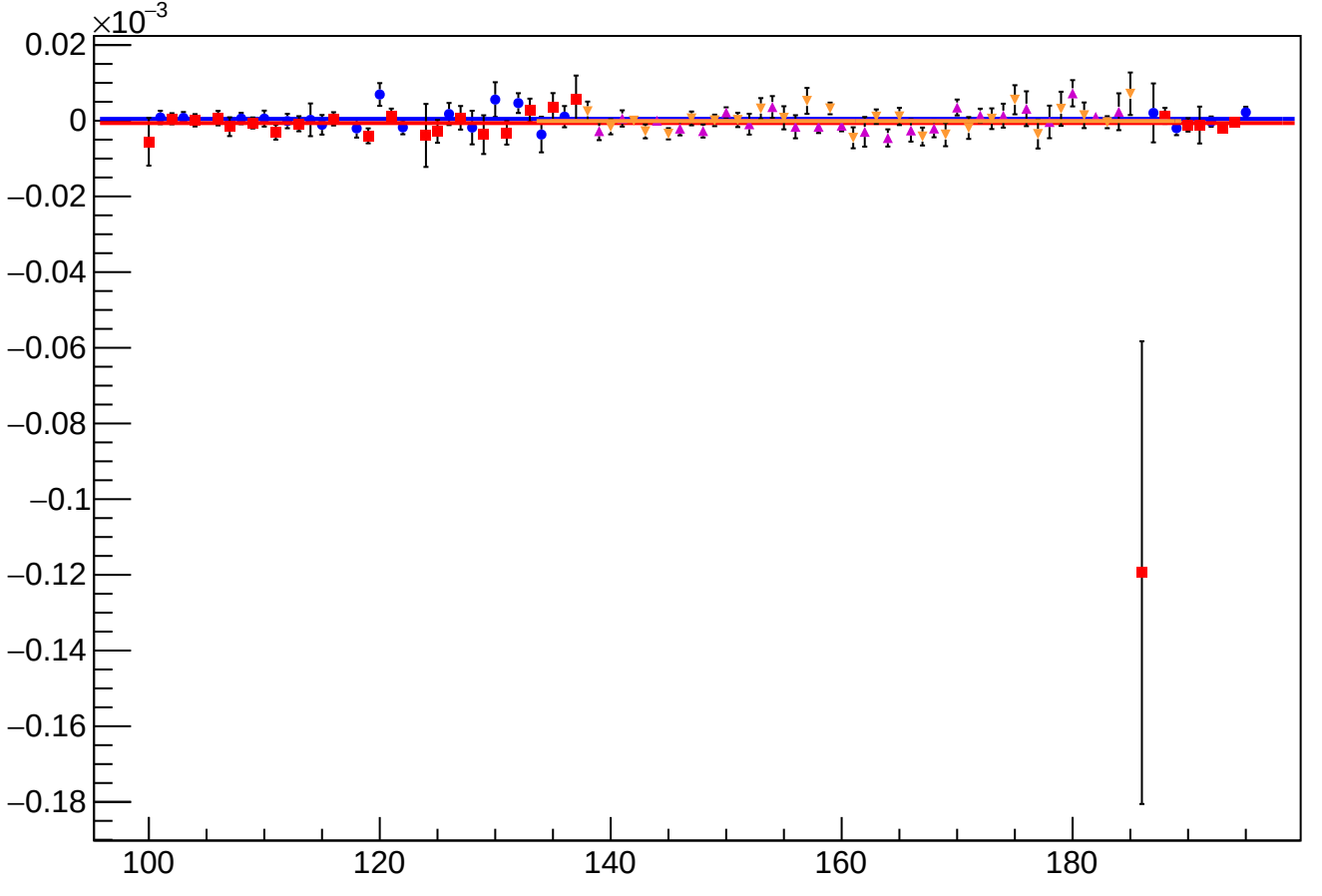
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 29.544+/-0.005 χ^2/NDF: 3551779.8/44

In: 31.473+/-0.004 χ^2/NDF:3195922.3/42

Out: 31.853+/-0.004 χ^2/NDF:3321984.5/49

All: 31.669+/-0.003 χ^2/NDF: 6521799.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/24

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

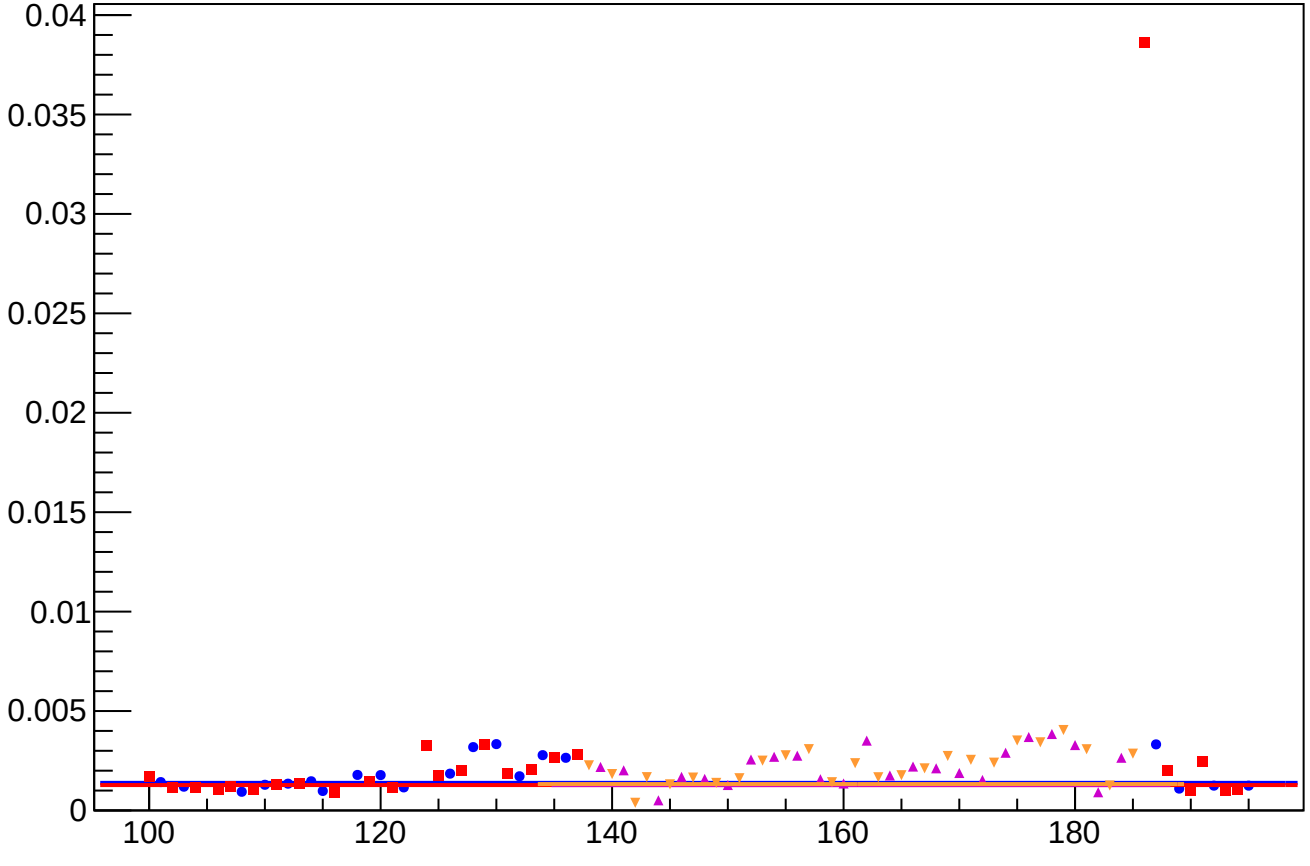
Right: -0.000+/-0.000 χ^2/NDF: 38.5/44

In: 0.000+/-0.000 χ^2/NDF:44.0/42

Out: -0.000+/-0.000 χ^2/NDF:51.2/49

All: -0.000+/-0.000 χ^2/NDF: 96.6/92

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1947417.8/19

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2753766.2/24

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

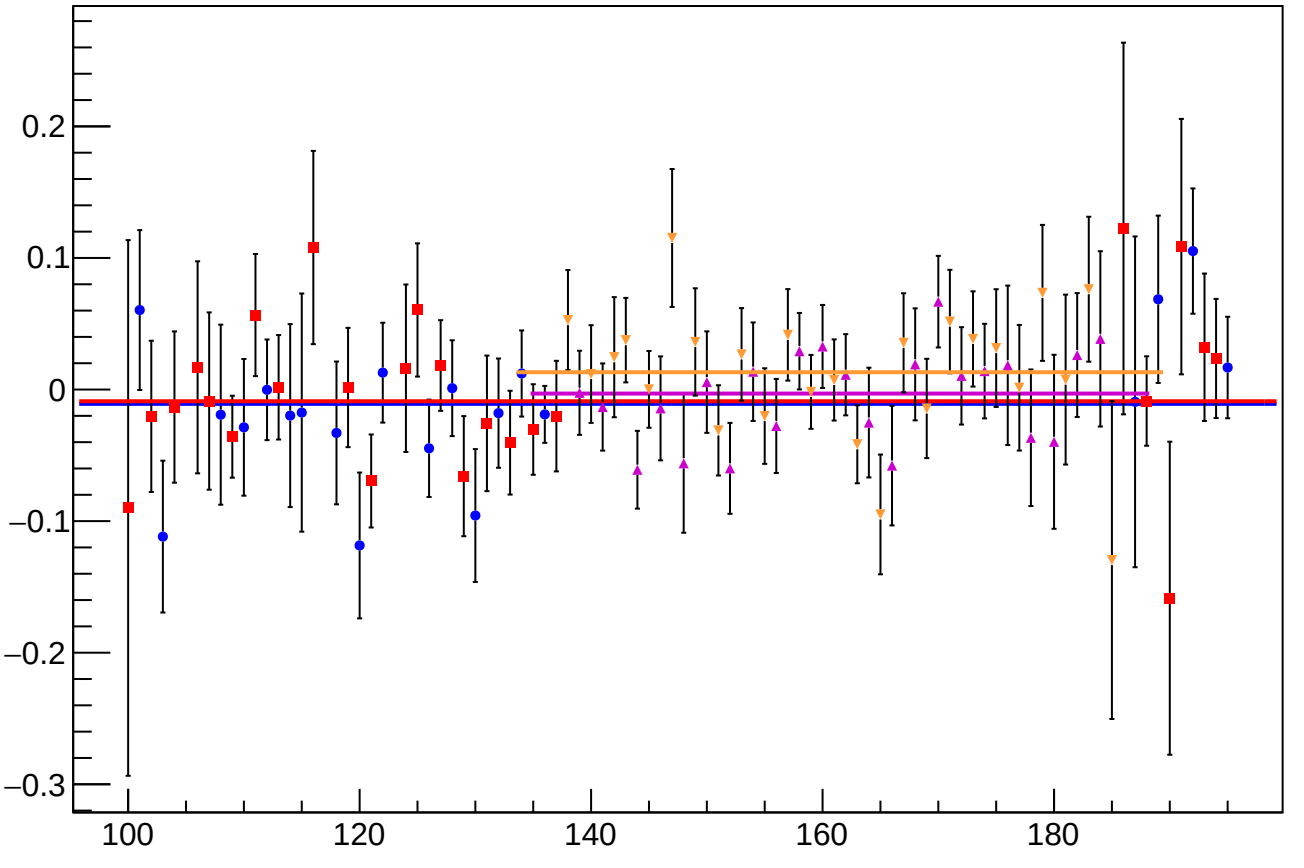
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 4761575.7/44

In: 0.001+/-0.000 χ^2/NDF:11898689.3/42

Out: 0.001+/-0.000 χ^2/NDF:13928790.0/49

All: 0.001+/-0.000 χ^2/NDF: 25828502.0/92



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

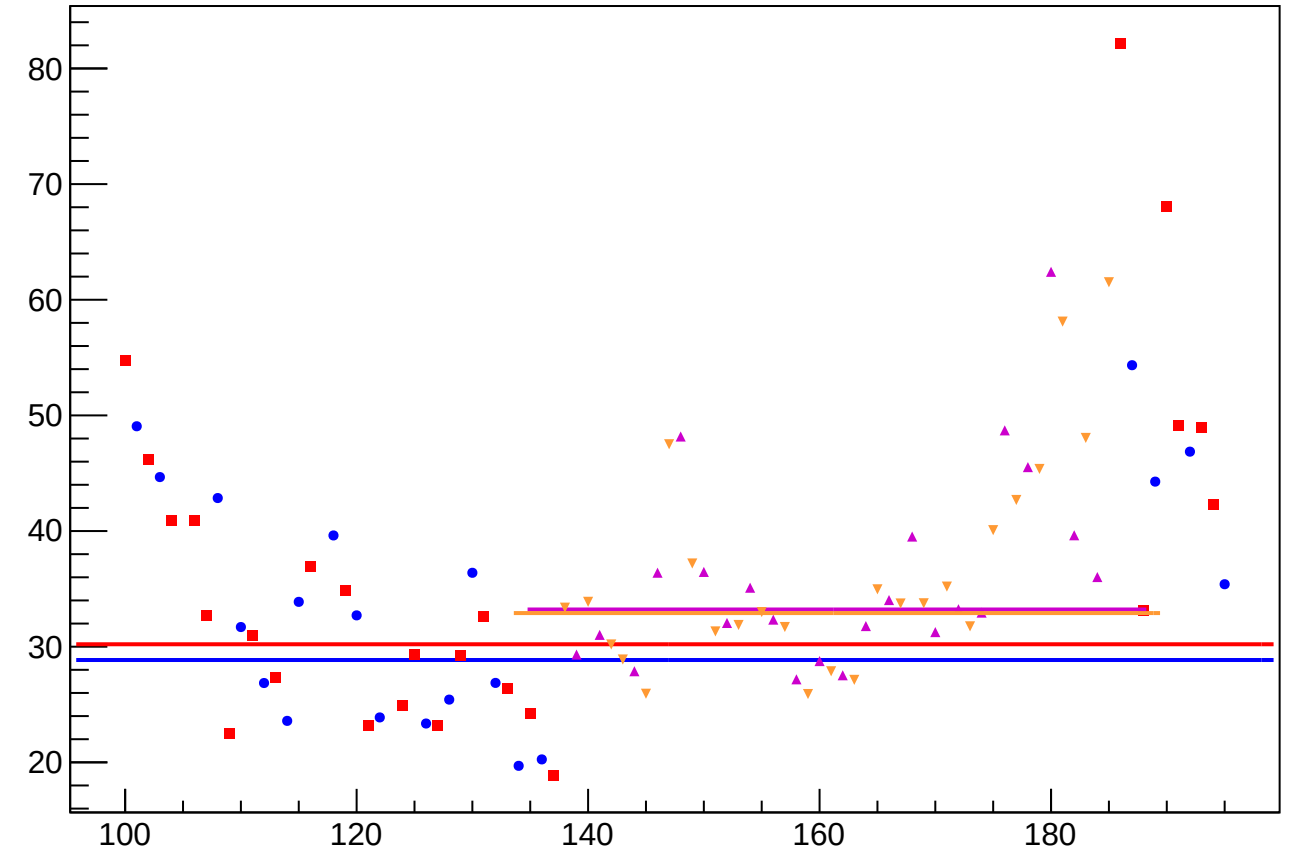
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.010+/-0.007 χ^2/NDF: 40.5/44

In: -0.006+/-0.006 χ^2/NDF:41.0/42

Out: 0.005+/-0.006 χ^2/NDF:47.6/49

All: -0.001+/-0.004 χ^2/NDF: 90.2/92



Right In: 28.849+/-0.007 χ^2/NDF: 1734448.3/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 30.210+/-0.007 χ^2/NDF: 1797824.1/24

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

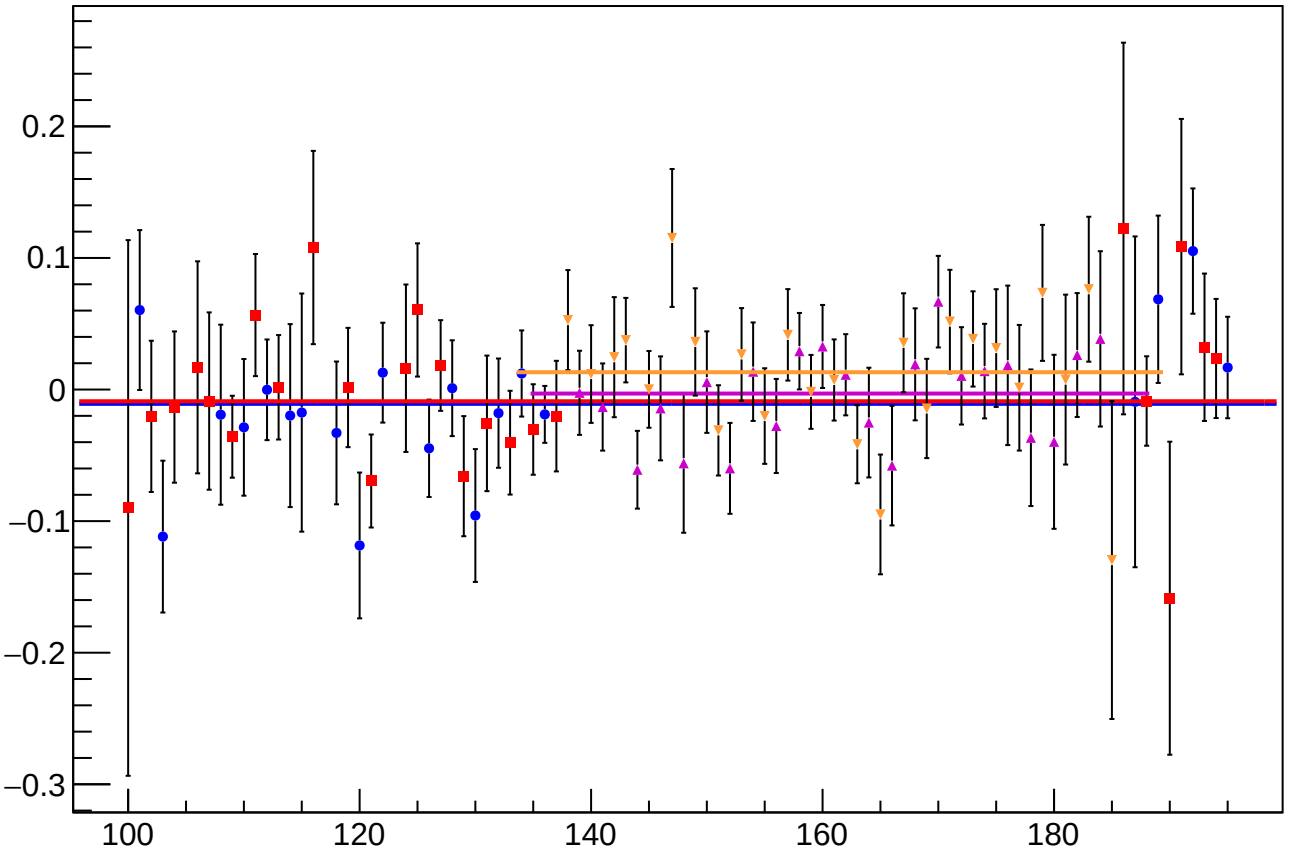
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 29.543+/-0.005 χ^2/NDF: 3552076.2/44

In: 31.473+/-0.004 χ^2/NDF:3196210.1/42

Out: 31.852+/-0.004 χ^2/NDF:3322329.5/49

All: 31.668+/-0.003 χ^2/NDF: 6522428.8/92



Right In: -0.011+/-0.010 χ^2/NDF: 21.4/19

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

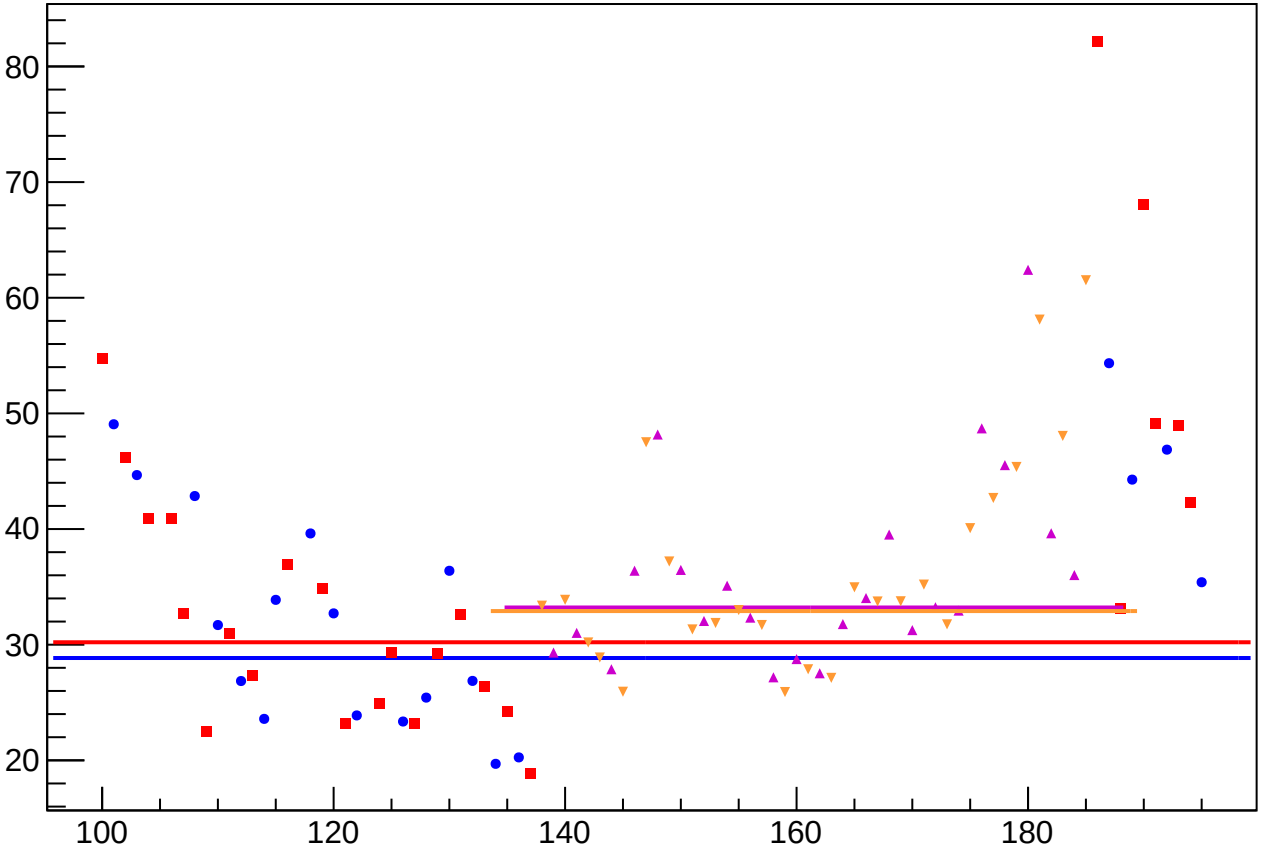
Right: -0.010+/-0.007 χ^2/NDF: 40.5/44

In: -0.006+/-0.006 χ^2/NDF:41.0/42

Out: 0.005+/-0.006 χ^2/NDF:47.6/49

All: -0.001+/-0.004 χ^2/NDF: 90.2/92

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.849+/-0.007 χ^2/NDF: 1734448.3/19

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 30.210+/-0.007 χ^2/NDF: 1797824.1/24

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

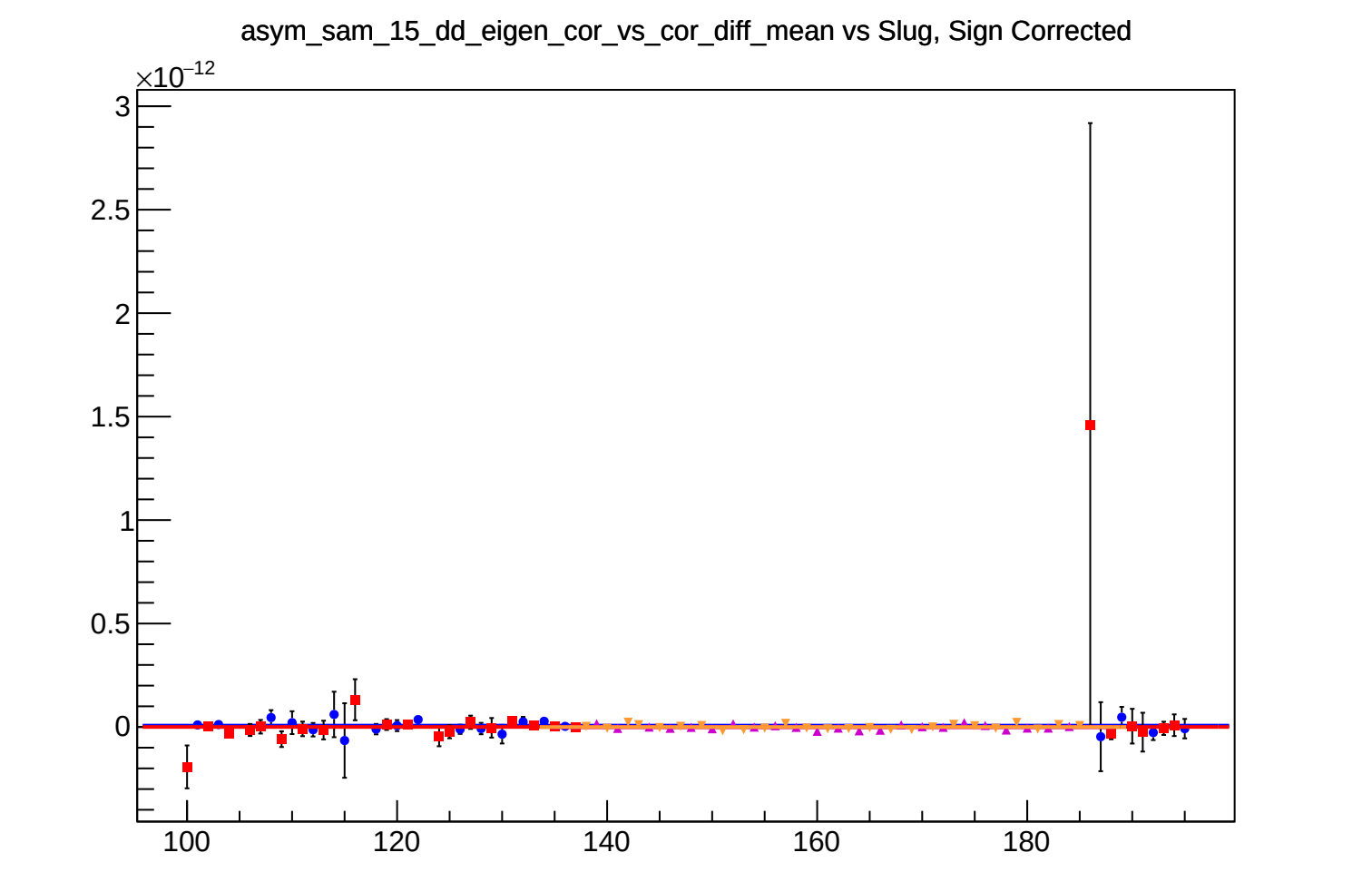
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 29.543+/-0.005 χ^2/NDF: 3552076.2/44

In: 31.473+/-0.004 χ^2/NDF:3196210.1/42

Out: 31.852+/-0.004 χ^2/NDF:3322329.5/49

All: 31.668+/-0.003 χ^2/NDF: 6522428.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/24

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

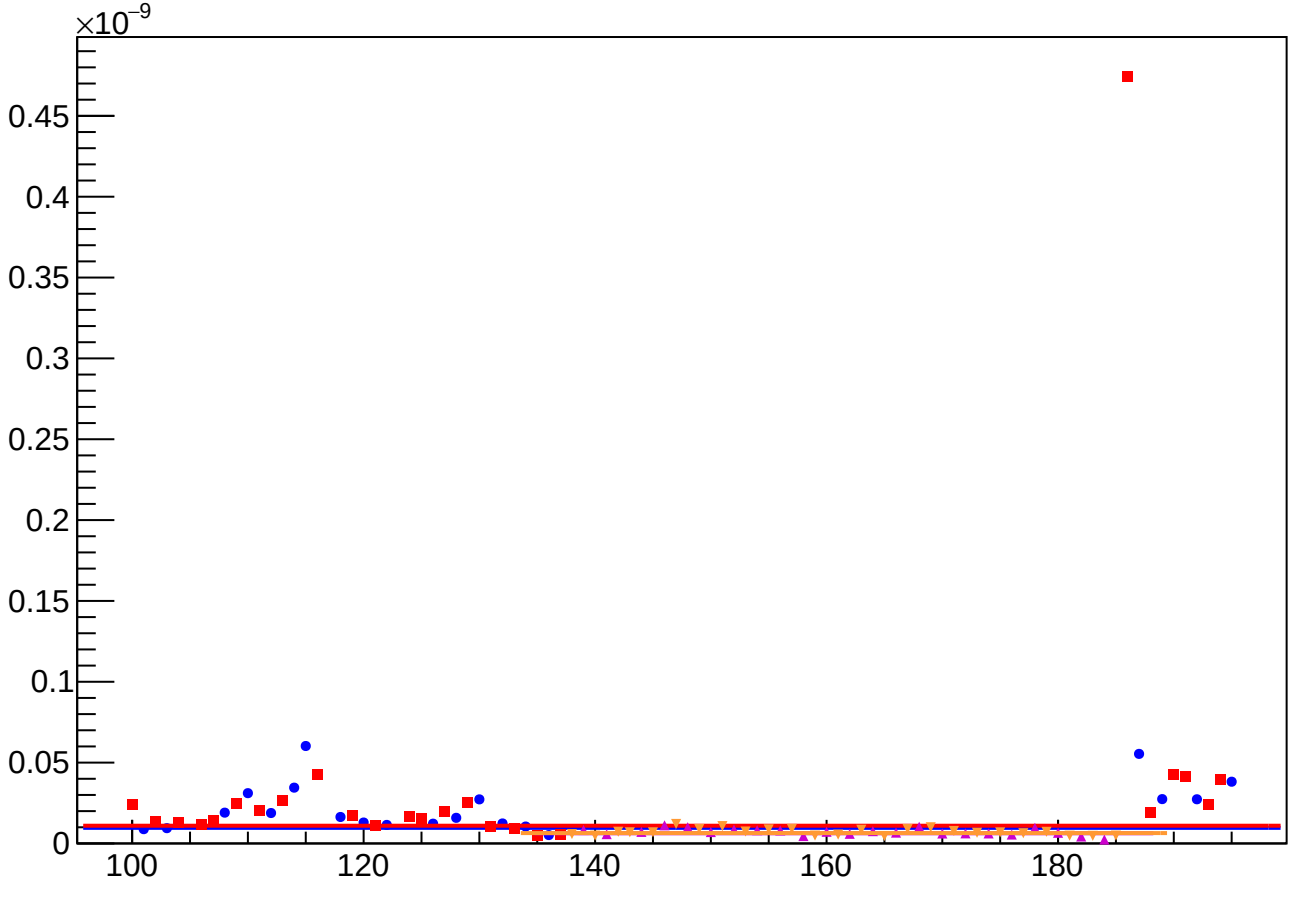
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 29.1/44

In: -0.000+/-0.000 χ^2/NDF:38.0/42

Out: -0.000+/-0.000 χ^2/NDF:49.1/49

All: -0.000+/-0.000 χ^2/NDF: 87.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 4071503.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4579621.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

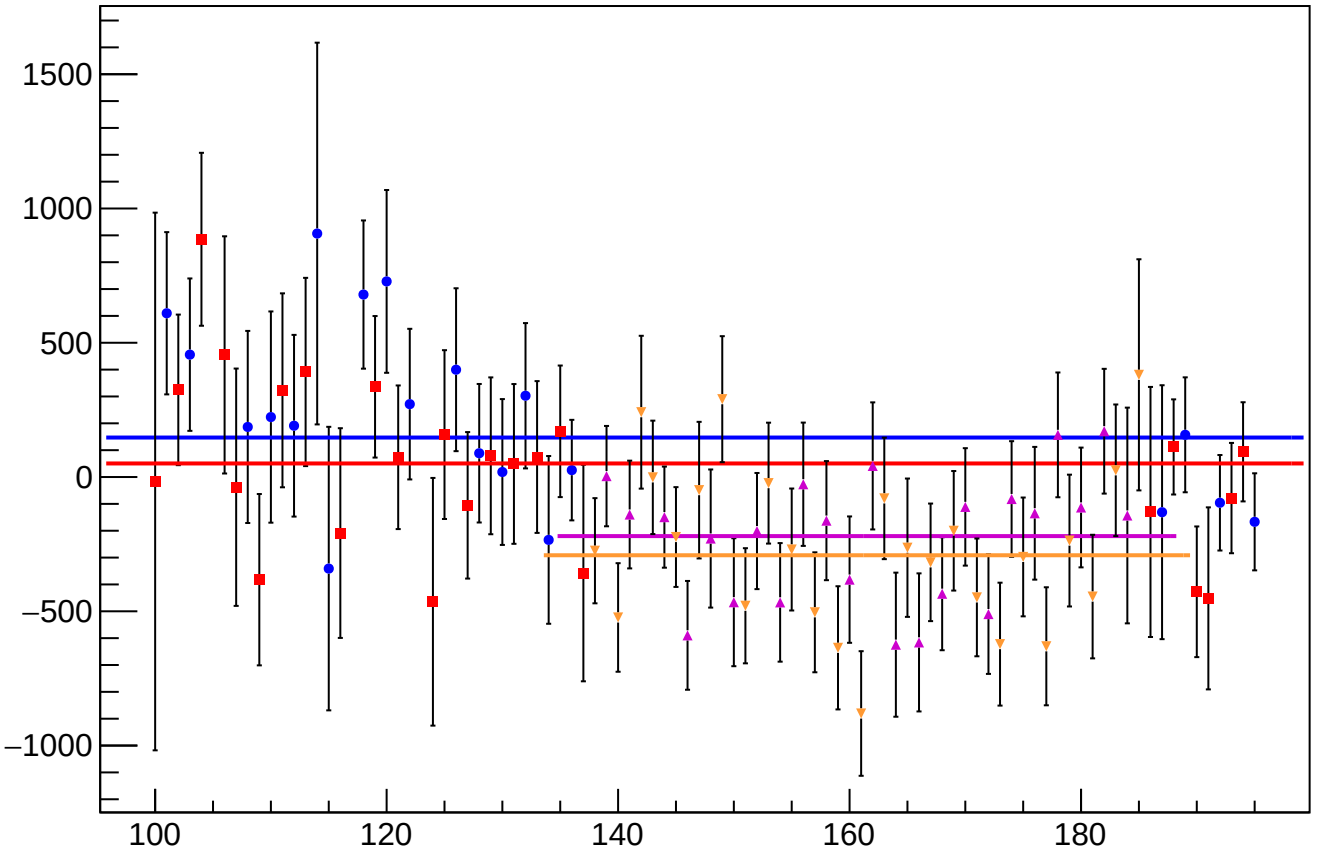
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 8731416.8/44

In: 0.000+/-0.000 χ^2/NDF:7144757.1/42

Out: 0.000+/-0.000 χ^2/NDF:8051470.4/49

All: 0.000+/-0.000 χ^2/NDF: 15208155.4/92



Right In: 147.068+/-61.209 χ^2/NDF: 20.9/19

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 50.525+/-58.133 χ^2/NDF: 23.3/24

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

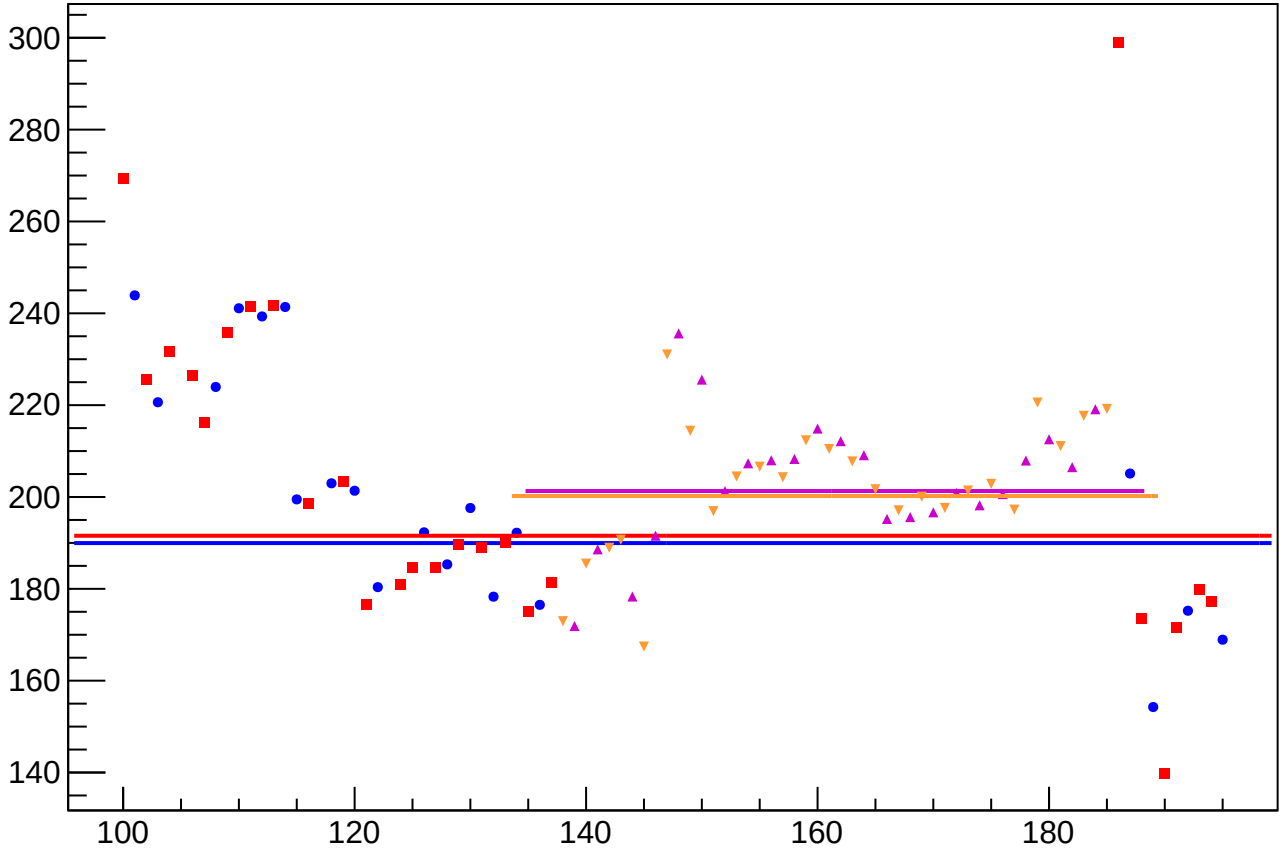
Right: 96.310+/-42.152 χ^2/NDF: 45.5/44

In: -83.302+/-37.351 χ^2/NDF:67.2/42

Out: -161.051+/-35.886 χ^2/NDF:81.0/49

All: -123.732+/-25.877 χ^2/NDF: 150.5/92

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 189.963+/-0.043 χ^2/NDF: 316768.6/19

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 191.559+/-0.041 χ^2/NDF: 476657.3/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

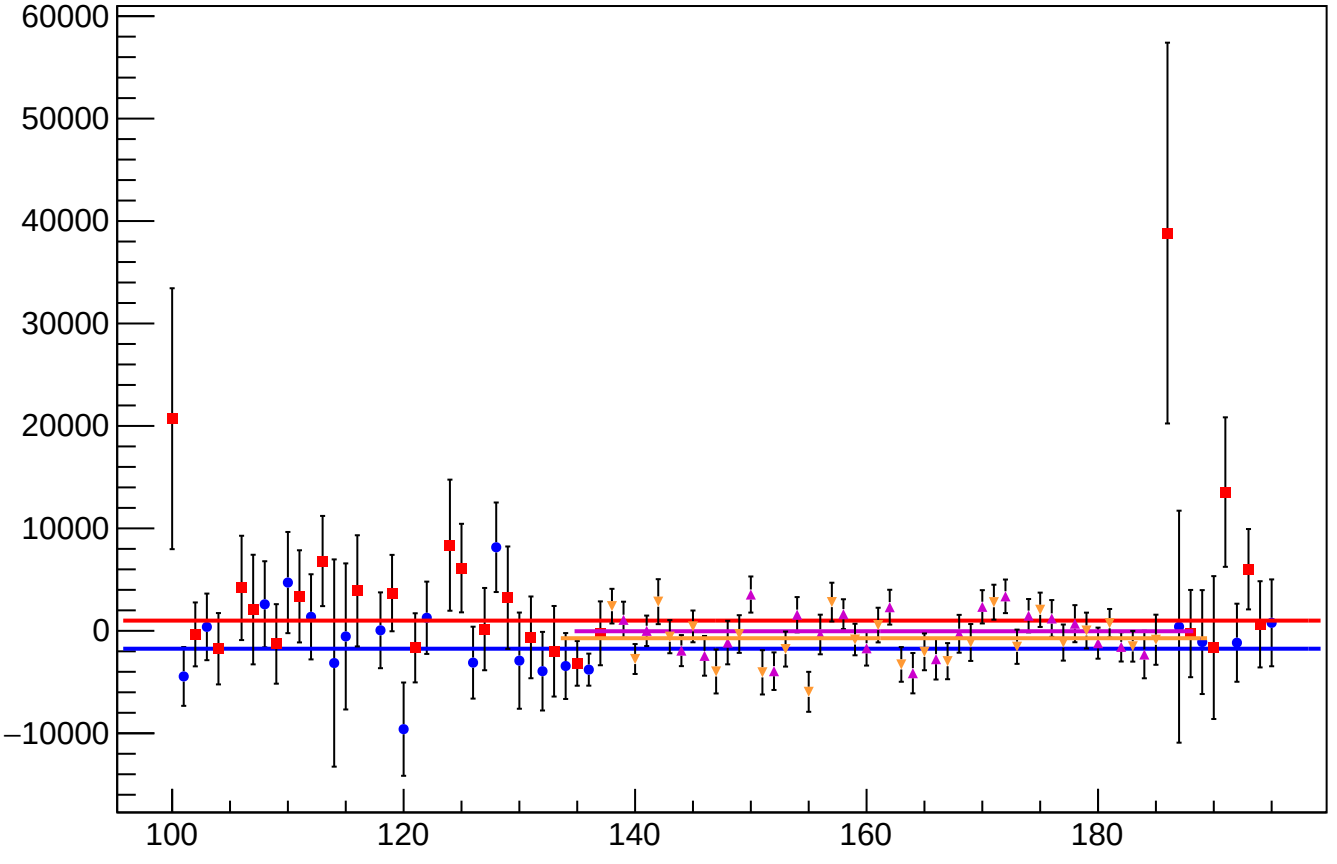
Right: 190.802+/-0.030 χ^2/NDF: 794141.5/44

In: 197.077+/-0.026 χ^2/NDF:541462.3/42

Out: 196.913+/-0.025 χ^2/NDF:708461.9/49

All: 196.992+/-0.018 χ^2/NDF: 1249944.1/92

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1745.919+/-809.473 χ^2/NDF: 16.7/19

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 998.050+/-829.829 χ^2/NDF: 23.8/24

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

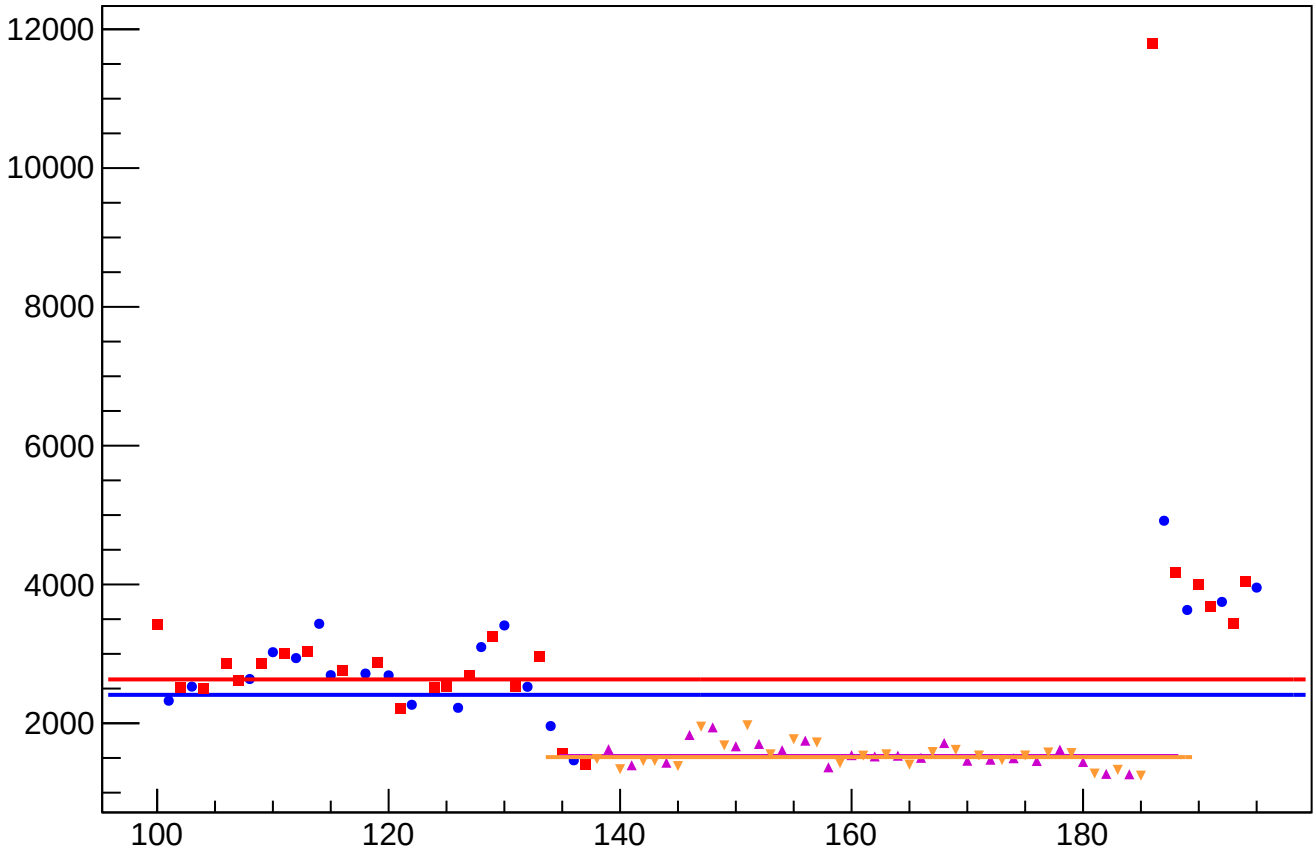
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -408.002+/-579.447 χ^2/NDF: 46.2/44

In: -320.131+/-328.376 χ^2/NDF:54.9/42

Out: -465.678+/-319.648 χ^2/NDF:65.8/49

All: -394.864+/-229.049 χ^2/NDF: 120.7/92



Right In: 2409.488+/-0.572 χ^2/NDF: 1763719.9/19

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2631.847+/-0.587 χ^2/NDF: 2109161.8/24

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

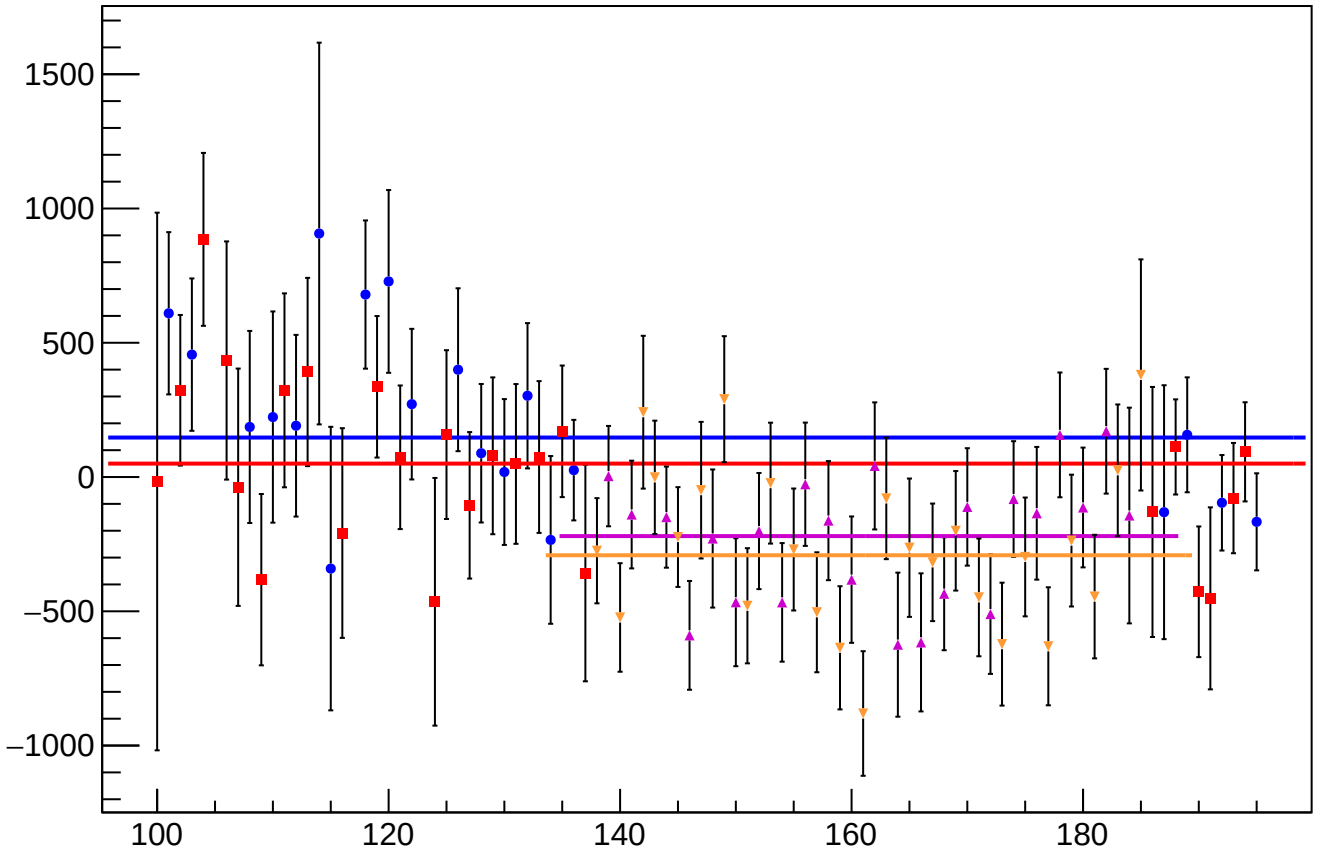
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2517.907+/-0.410 χ^2/NDF: 3946465.9/44

In: 1673.032+/-0.232 χ^2/NDF:4119119.5/42

Out: 1678.470+/-0.226 χ^2/NDF:5651531.2/49

All: 1675.824+/-0.162 χ^2/NDF: 9770932.3/92



Right In: 147.069+/-61.209 χ^2/NDF: 20.9/19

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 50.031+/-58.138 χ^2/NDF: 23.2/24

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

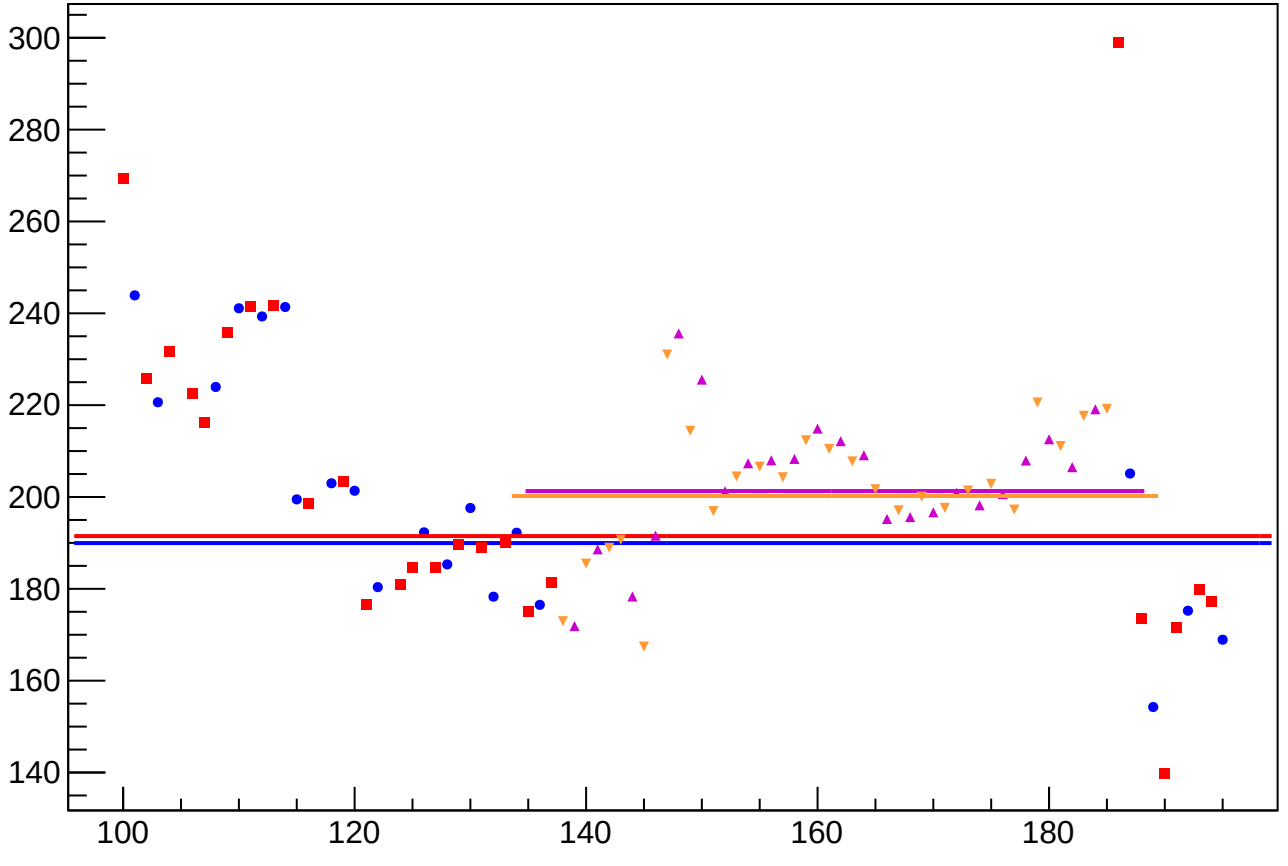
Right: 96.055+/-42.154 χ^2/NDF: 45.4/44

In: -83.307+/-37.351 χ^2/NDF:67.2/42

Out: -161.255+/-35.887 χ^2/NDF:80.9/49

All: -123.838+/-25.878 χ^2/NDF: 150.3/92

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 189.963+/-0.043 χ^2/NDF: 316769.0/19

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 191.489+/-0.041 χ^2/NDF: 474013.4/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

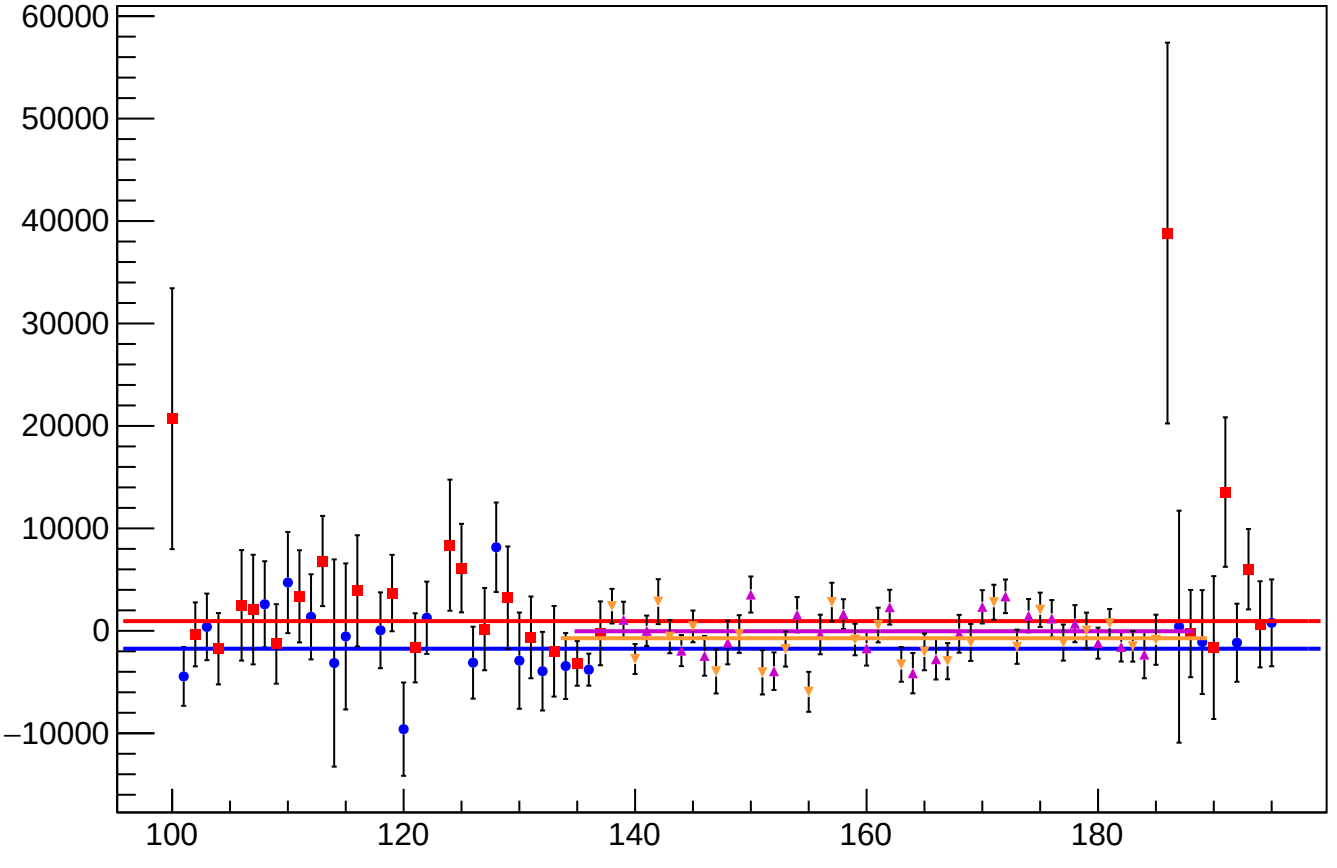
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 190.765+/-0.030 χ^2/NDF: 791436.1/44

In: 197.077+/-0.026 χ^2/NDF:541462.7/42

Out: 196.887+/-0.025 χ^2/NDF:706264.4/49

All: 196.978+/-0.018 χ^2/NDF: 1247753.9/92



Right In: -1745.885+/-809.474 χ^2/NDF: 16.7/19

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 948.663+/-831.051 χ^2/NDF: 23.5/24

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

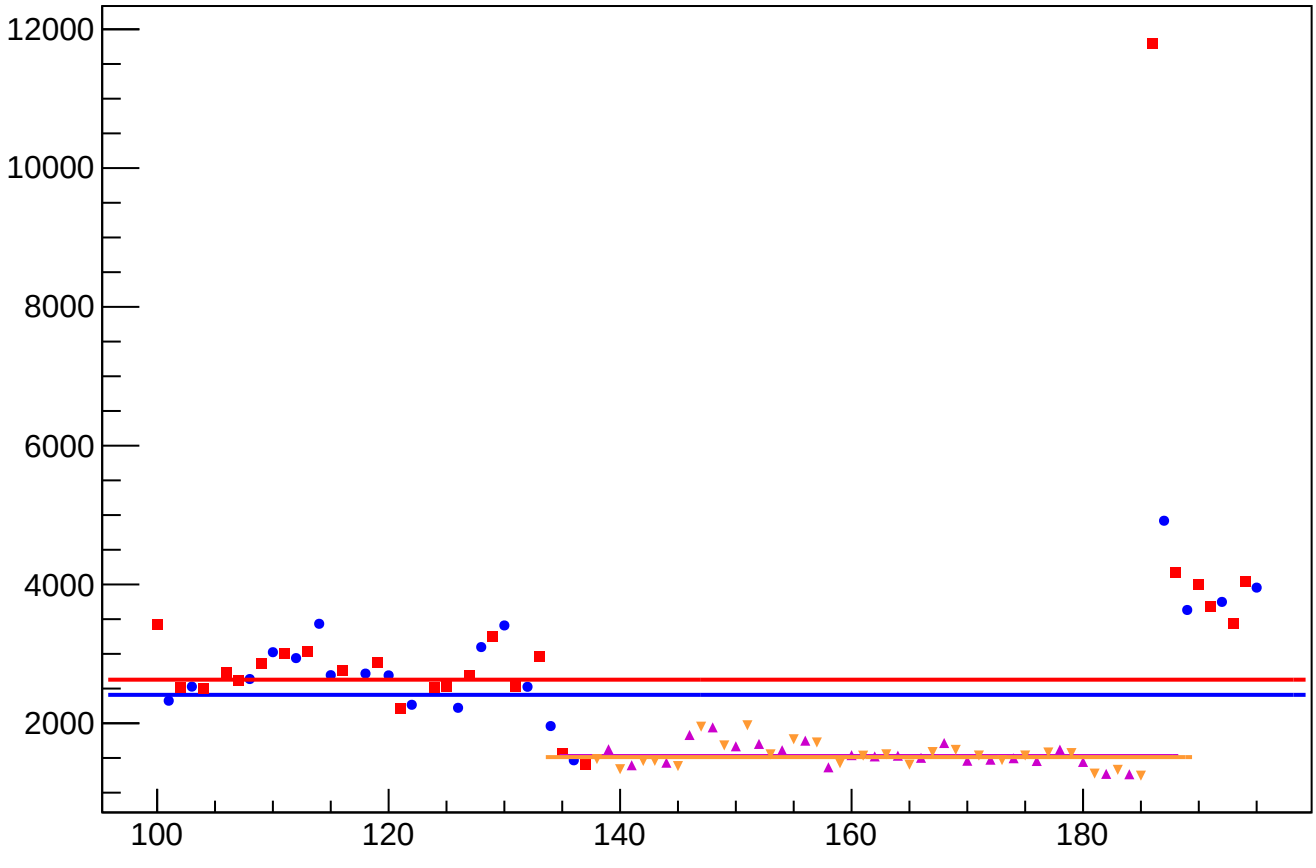
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -434.045+/-579.863 χ^2/NDF: 45.6/44

In: -320.123+/-328.376 χ^2/NDF:54.9/42

Out: -473.630+/-319.717 χ^2/NDF:65.2/49

All: -398.927+/-229.074 χ^2/NDF: 120.2/92



Right In: 2409.492+/-0.572 χ^2/NDF: 1763720.2/19

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2628.002+/-0.588 χ^2/NDF: 2105477.1/24

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

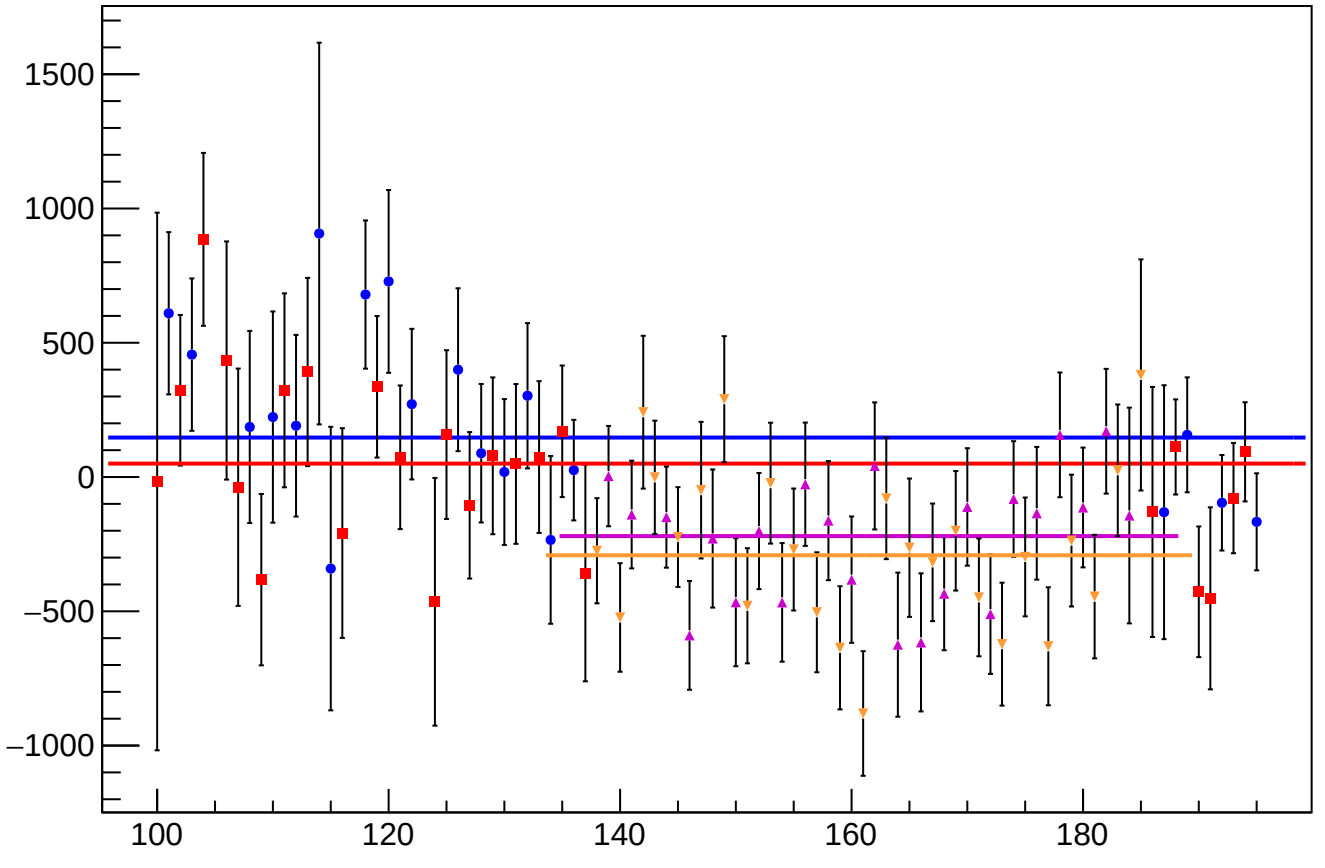
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2515.873+/-0.410 χ^2/NDF: 3940148.7/44

In: 1673.033+/-0.232 χ^2/NDF:4119131.6/42

Out: 1677.485+/-0.226 χ^2/NDF:5618877.4/49

All: 1675.318+/-0.162 χ^2/NDF: 9738197.7/92



Right In: 147.069+/-61.209 χ^2/NDF: 20.9/19

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 50.031+/-58.138 χ^2/NDF: 23.2/24

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

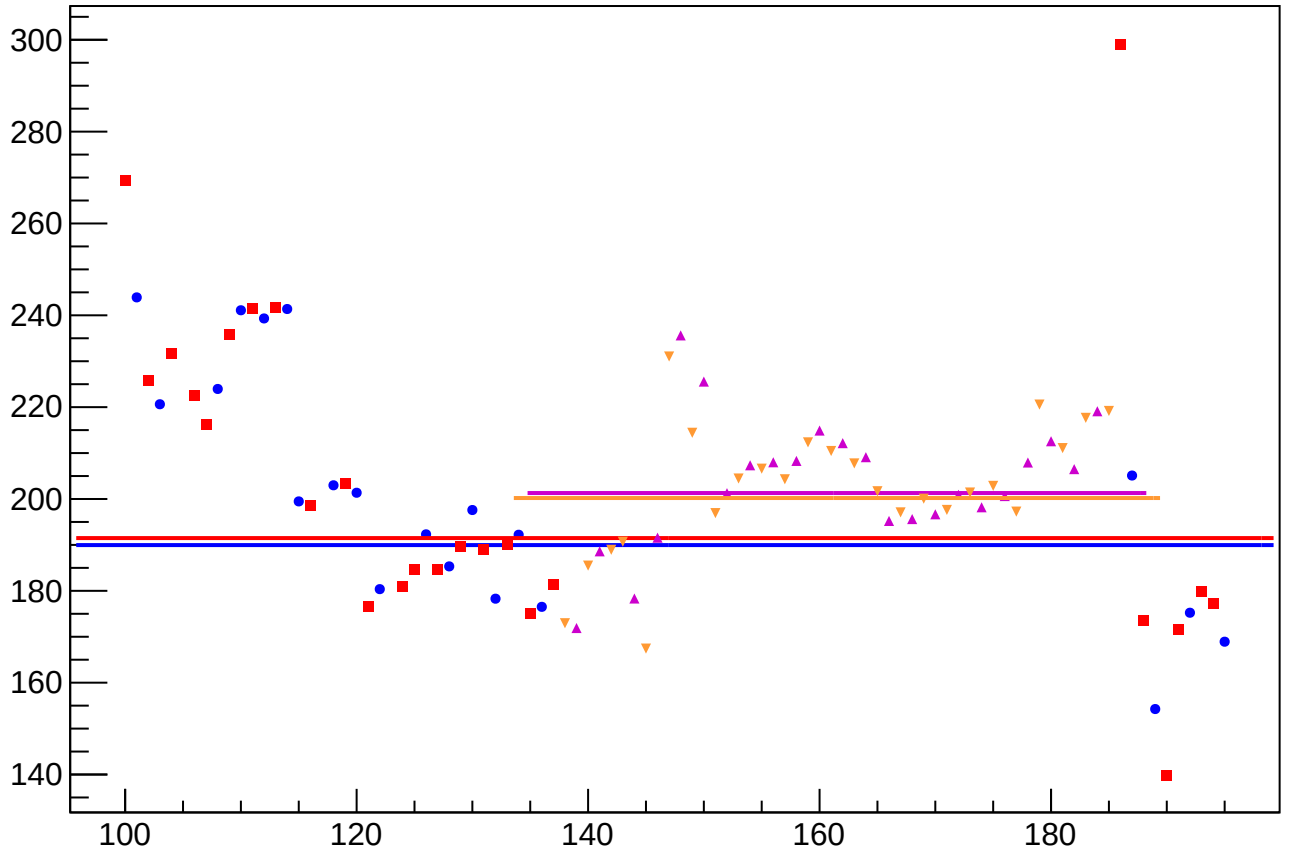
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 96.055+/-42.154 χ^2/NDF: 45.4/44

In: -83.307+/-37.351 χ^2/NDF:67.2/42

Out: -161.255+/-35.887 χ^2/NDF:80.9/49

All: -123.838+/-25.878 χ^2/NDF: 150.3/92



Right In: 189.963+/-0.043 χ^2/NDF: 316769.0/19

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 191.489+/-0.041 χ^2/NDF: 474013.4/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

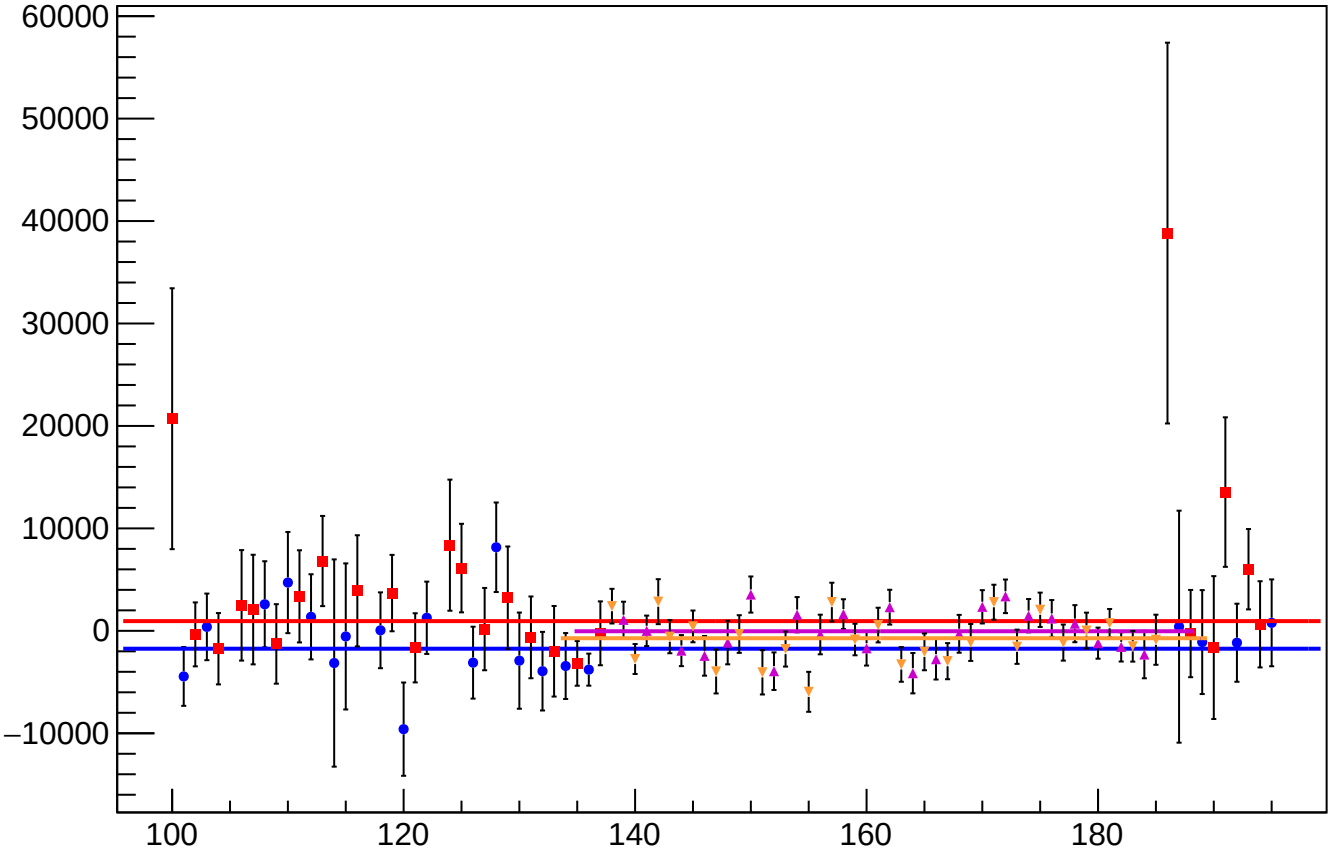
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 190.765+/-0.030 χ^2/NDF: 791436.1/44

In: 197.077+/-0.026 χ^2/NDF:541462.7/42

Out: 196.887+/-0.025 χ^2/NDF:706264.4/49

All: 196.978+/-0.018 χ^2/NDF: 1247753.9/92



Right In: -1745.885+/-809.474 χ^2/NDF: 16.7/19

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 948.663+/-831.051 χ^2/NDF: 23.5/24

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

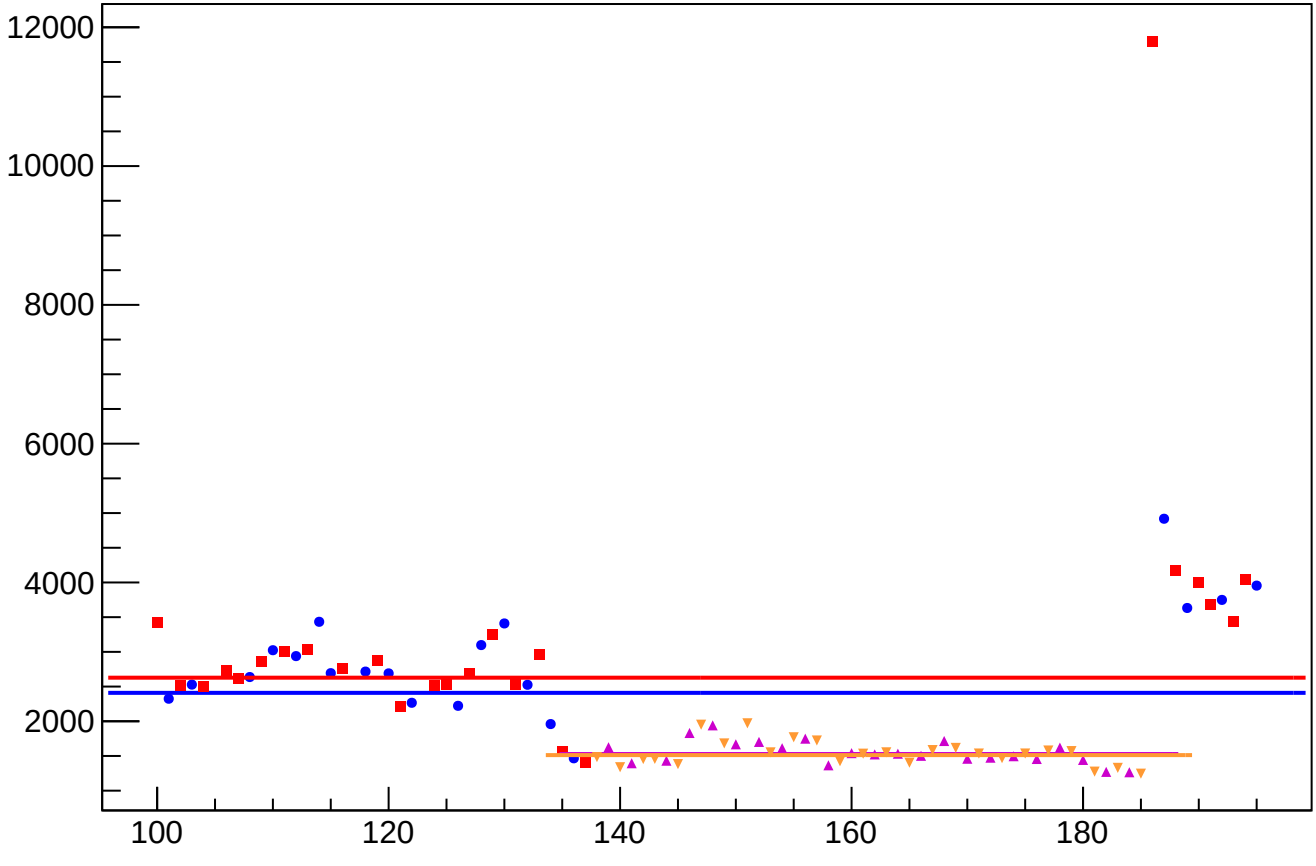
Right: -434.045+/-579.863 χ^2/NDF: 45.6/44

In: -320.123+/-328.376 χ^2/NDF:54.9/42

Out: -473.630+/-319.717 χ^2/NDF:65.2/49

All: -398.927+/-229.074 χ^2/NDF: 120.2/92

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2409.492+/-0.572 χ^2/NDF: 1763720.2/19

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2628.002+/-0.588 χ^2/NDF: 2105477.1/24

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

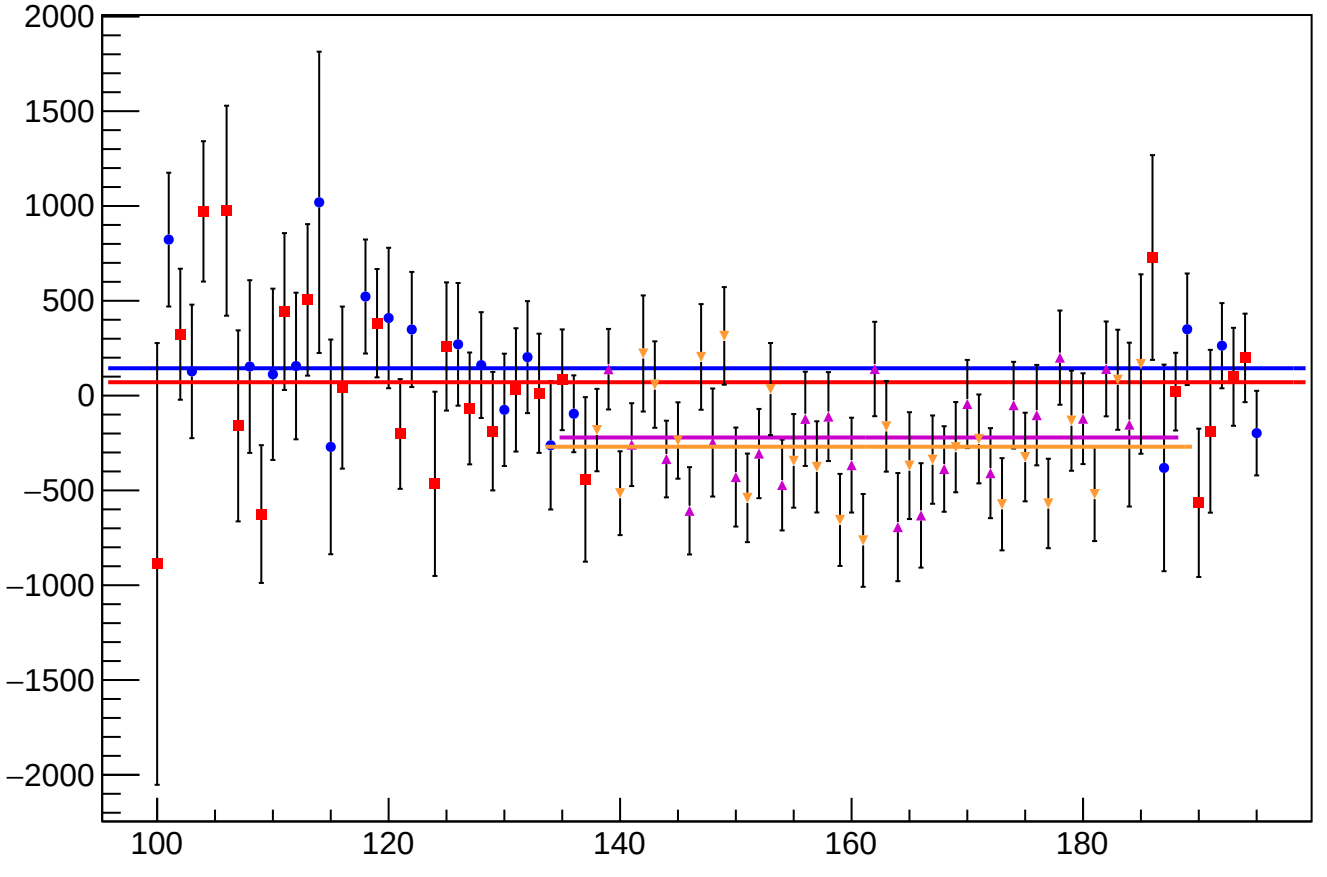
Right: 2515.873+/-0.410 χ^2/NDF: 3940148.7/44

In: 1673.033+/-0.232 χ^2/NDF:4119131.6/42

Out: 1677.485+/-0.226 χ^2/NDF:5618877.4/49

All: 1675.318+/-0.162 χ^2/NDF: 9738197.7/92

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 144.245+/-70.782 χ^2/NDF: 15.6/19

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 70.534+/-67.527 χ^2/NDF: 26.5/24

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

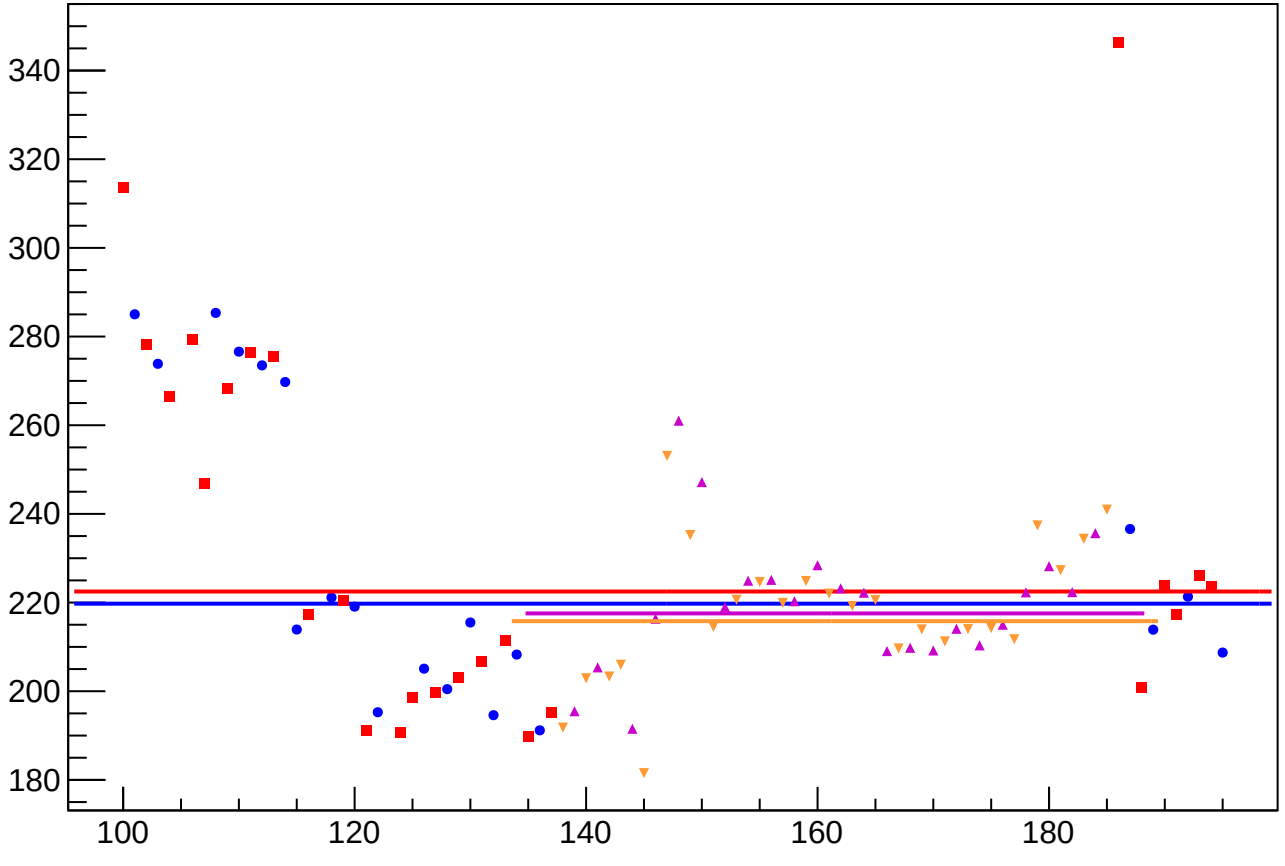
Right: 105.655+/-48.859 χ^2/NDF: 42.7/44

In: -96.277+/-41.354 χ^2/NDF:56.5/42

Out: -151.835+/-39.742 χ^2/NDF:74.6/49

All: -125.160+/-28.655 χ^2/NDF: 132.1/92

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 219.748+/-0.050 χ^2/NDF: 326952.7/19

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.493+/-0.048 χ^2/NDF: 455257.9/24

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

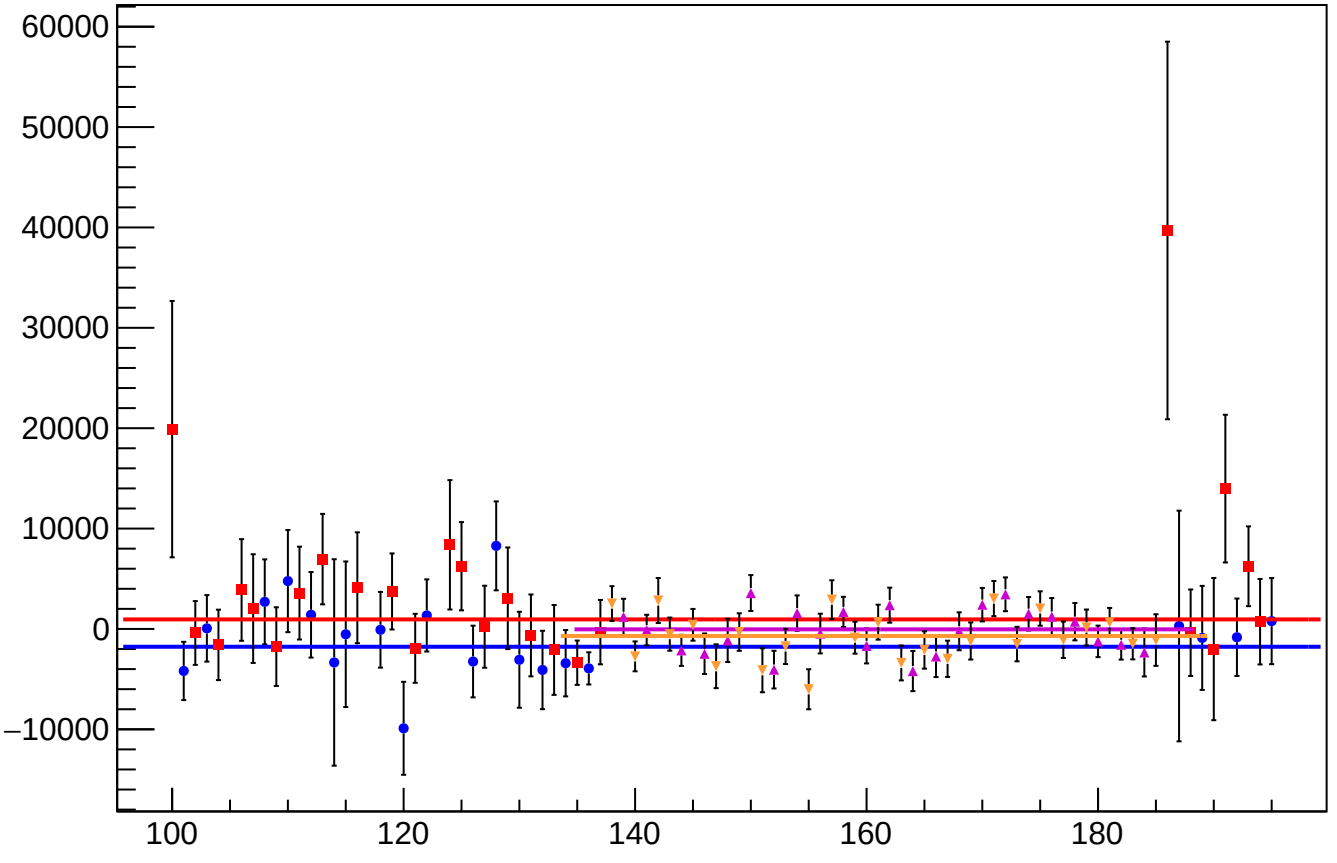
Right: 221.185+/-0.035 χ^2/NDF: 783786.1/44

In: 218.303+/-0.029 χ^2/NDF:489283.5/42

Out: 218.123+/-0.028 χ^2/NDF:656775.8/49

All: 218.209+/-0.020 χ^2/NDF: 1146079.1/92

asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1774.534+/-825.423 χ^2/NDF: 16.7/19

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 950.884+/-842.583 χ^2/NDF: 24.4/24

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

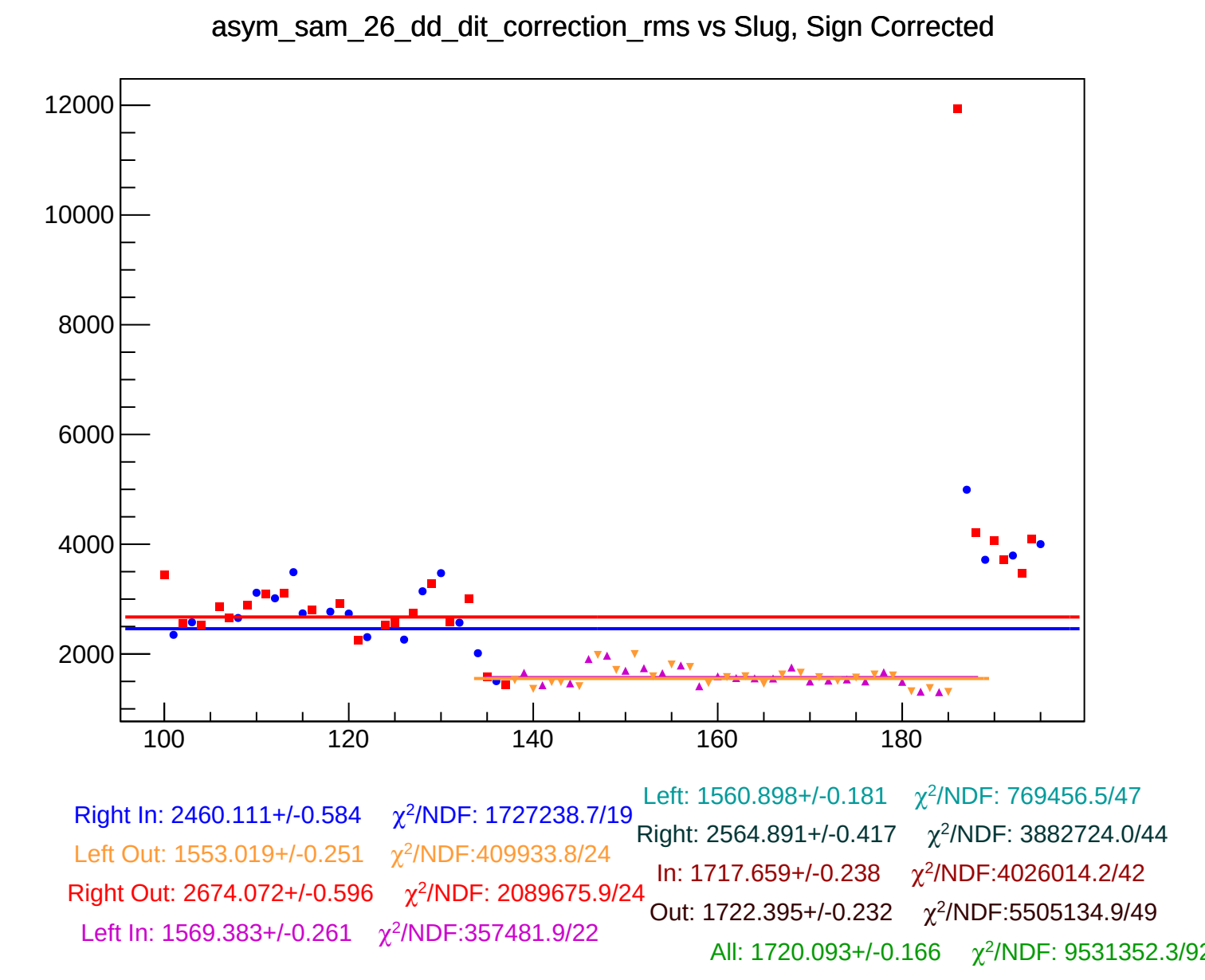
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -439.861+/-589.636 χ^2/NDF: 46.5/44

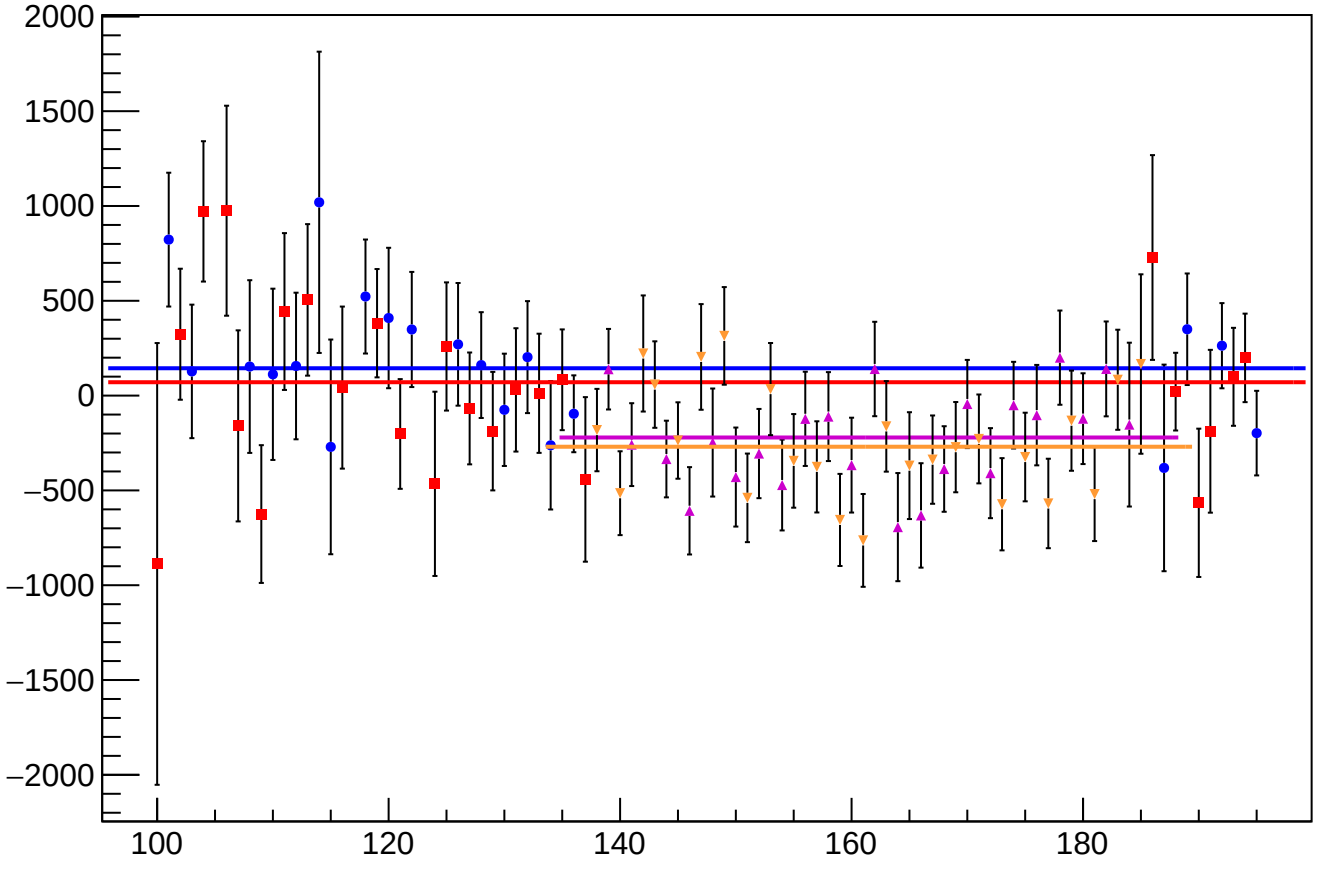
In: -328.456+/-336.774 χ^2/NDF:54.7/42

Out: -453.981+/-327.510 χ^2/NDF:65.3/49

All: -392.968+/-234.792 χ^2/NDF: 120.1/92


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 2460.111+/-0.584 χ²/NDF: 1727238.7/19
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2674.072+/-0.596 χ²/NDF: 2089675.9/24
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2564.891+/-0.417 χ²/NDF: 3882724.0/44
In: 1717.659+/-0.238 χ²/NDF:4026014.2/42
Out: 1722.395+/-0.232 χ²/NDF:5505134.9/49
All: 1720.093+/-0.166 χ²/NDF: 9531352.3/92

eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 144.247+/-70.782 χ^2/NDF: 15.6/19

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 70.533+/-67.526 χ^2/NDF: 26.5/24

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

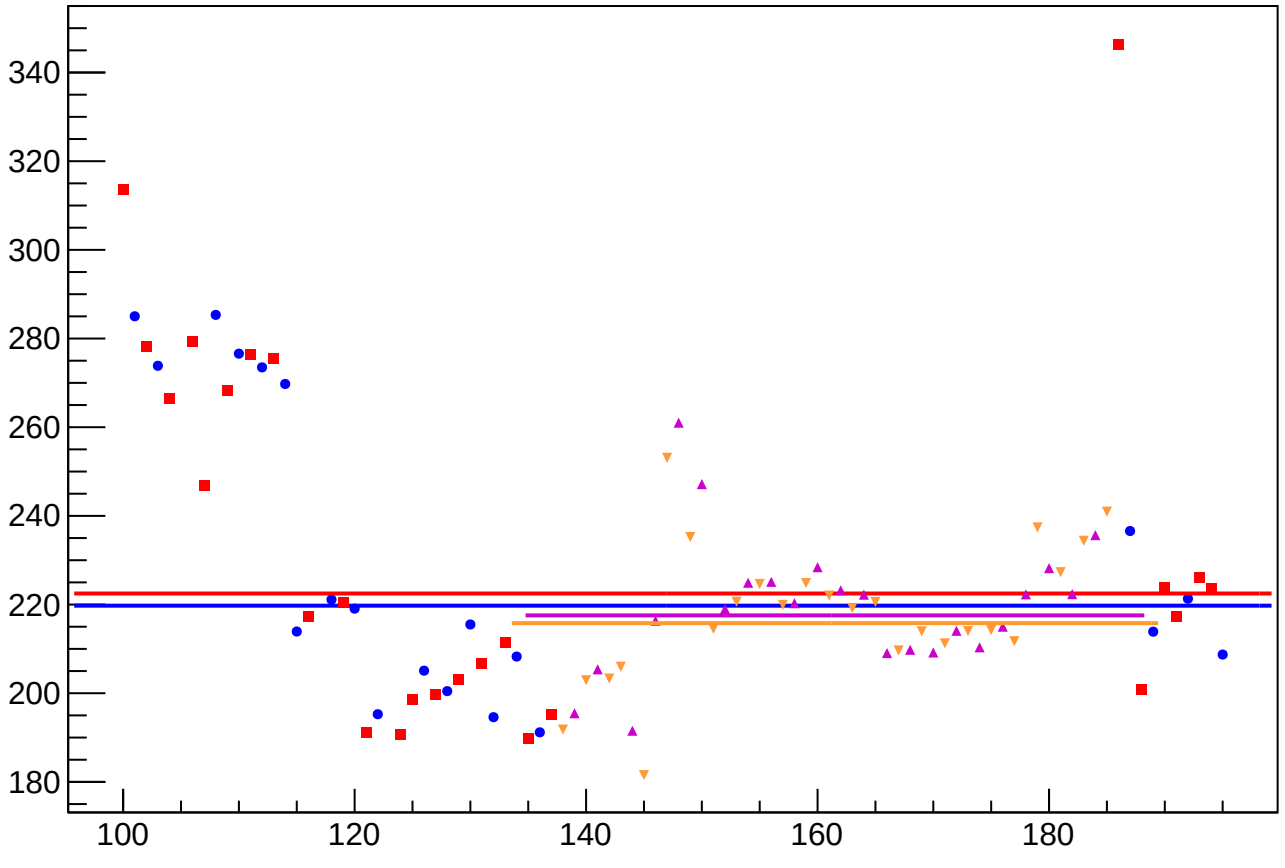
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 105.656+/-48.859 χ^2/NDF: 42.7/44

In: -96.276+/-41.354 χ^2/NDF:56.5/42

Out: -151.836+/-39.742 χ^2/NDF:74.6/49

All: -125.160+/-28.655 χ^2/NDF: 132.1/92



Right In: 219.747+/-0.050 χ^2/NDF: 326946.1/19

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 222.493+/-0.048 χ^2/NDF: 455242.7/24

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

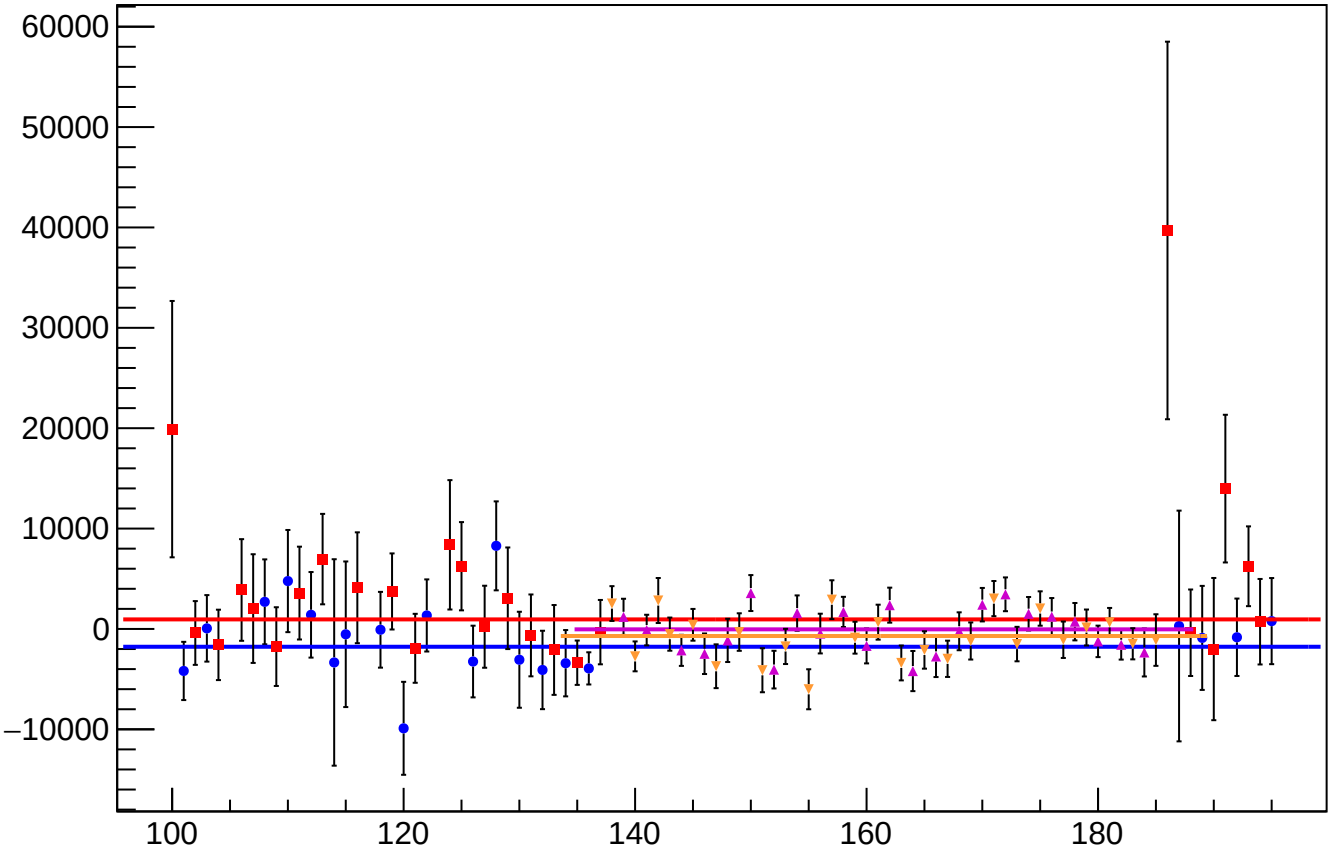
Right: 221.184+/-0.035 χ^2/NDF: 783764.6/44

In: 218.303+/-0.029 χ^2/NDF:489278.8/42

Out: 218.122+/-0.028 χ^2/NDF:656762.6/49

All: 218.209+/-0.020 χ^2/NDF: 1146061.2/92

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1774.530+/-825.421 χ^2/NDF: 16.7/19

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 950.884+/-842.582 χ^2/NDF: 24.4/24

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

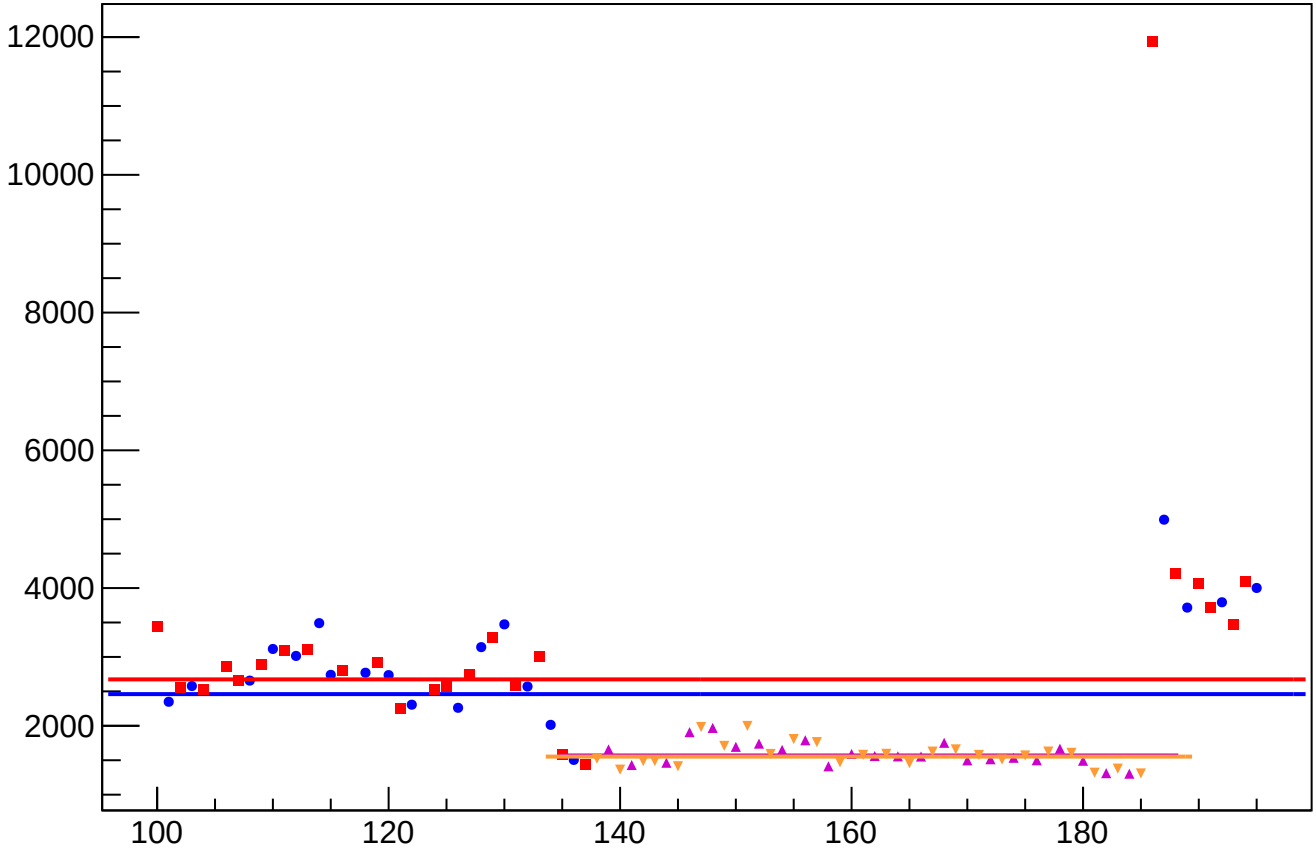
Right: -439.859+/-589.635 χ^2/NDF: 46.5/44

In: -328.455+/-336.774 χ^2/NDF:54.7/42

Out: -453.980+/-327.510 χ^2/NDF:65.3/49

All: -392.968+/-234.792 χ^2/NDF: 120.1/92

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2460.109+/-0.584 χ^2/NDF: 1727232.2/19

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2674.069+/-0.596 χ^2/NDF: 2089674.3/24

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

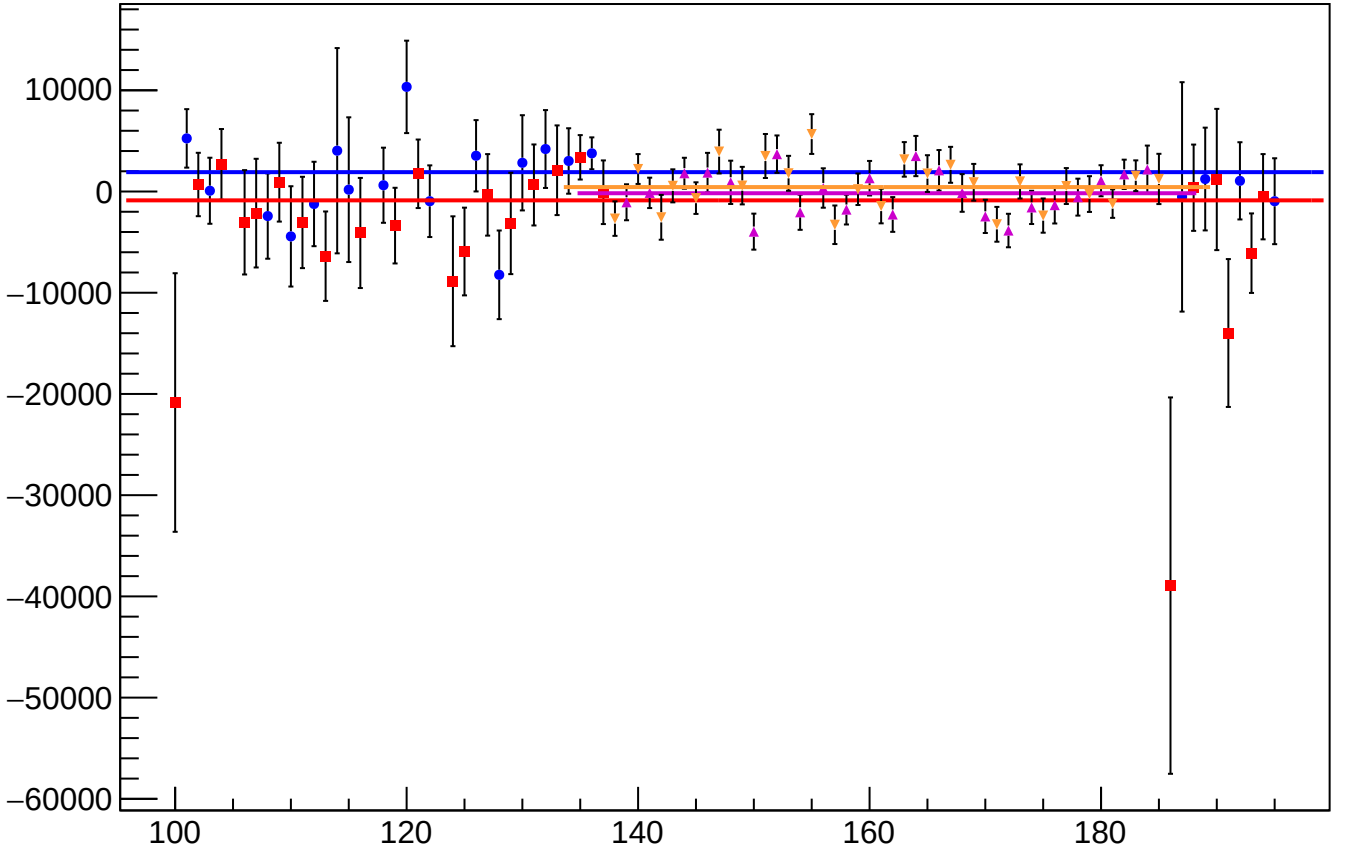
Right: 2564.888+/-0.417 χ^2/NDF: 3882715.5/44

In: 1717.659+/-0.238 χ^2/NDF:4026002.1/42

Out: 1722.395+/-0.232 χ^2/NDF:5505121.0/49

All: 1720.093+/-0.166 χ^2/NDF: 9531326.4/92

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1912.896+/-813.077 χ^2/NDF: 17.3/19

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -874.128+/-833.059 χ^2/NDF: 24.3/24

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

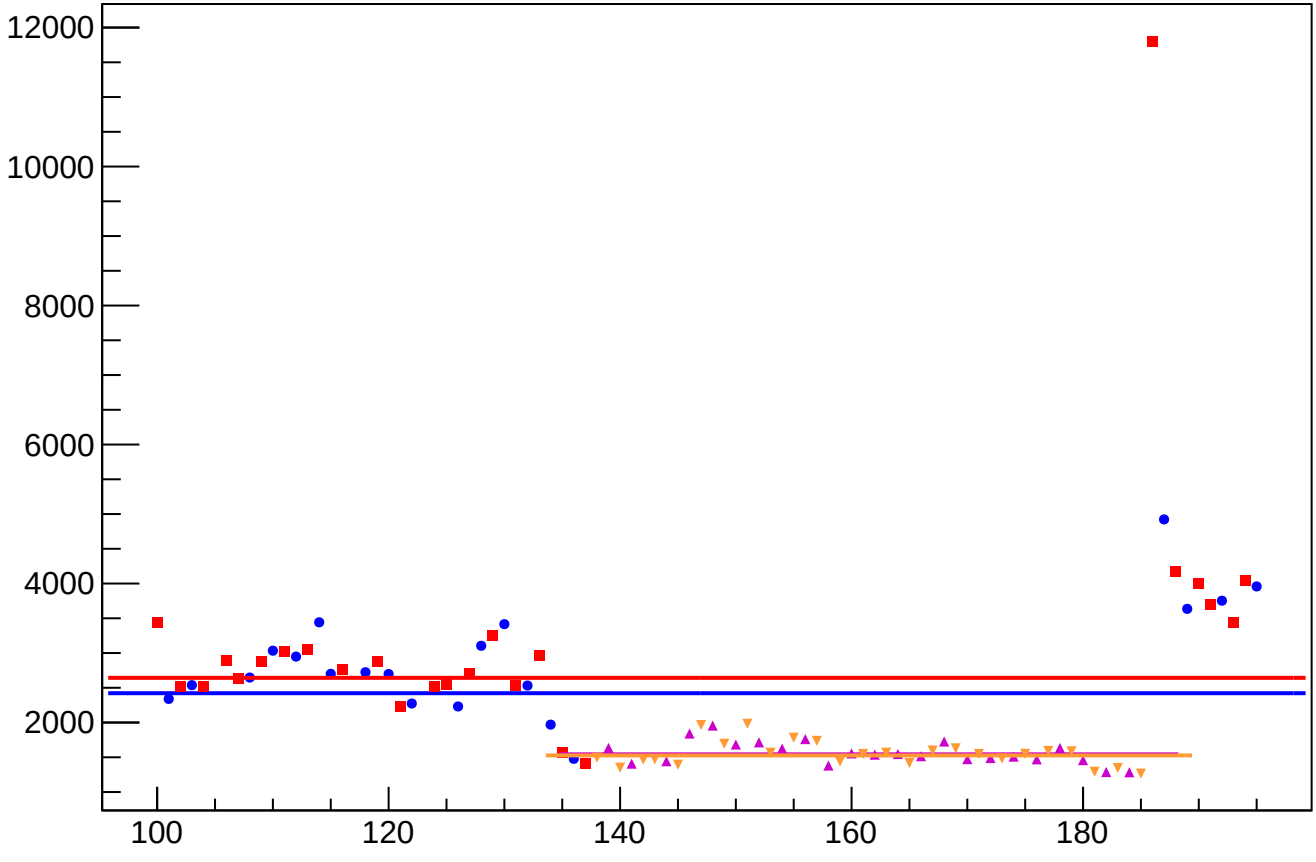
Right: 553.209+/-581.868 χ^2/NDF: 47.3/44

In: 175.593+/-331.123 χ^2/NDF:55.7/42

Out: 241.131+/-322.349 χ^2/NDF:65.2/49

All: 209.242+/-230.975 χ^2/NDF: 121.0/92

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2421.995+/-0.575 χ^2/NDF: 1739227.1/19

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2643.213+/-0.589 χ^2/NDF: 2087613.3/24

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

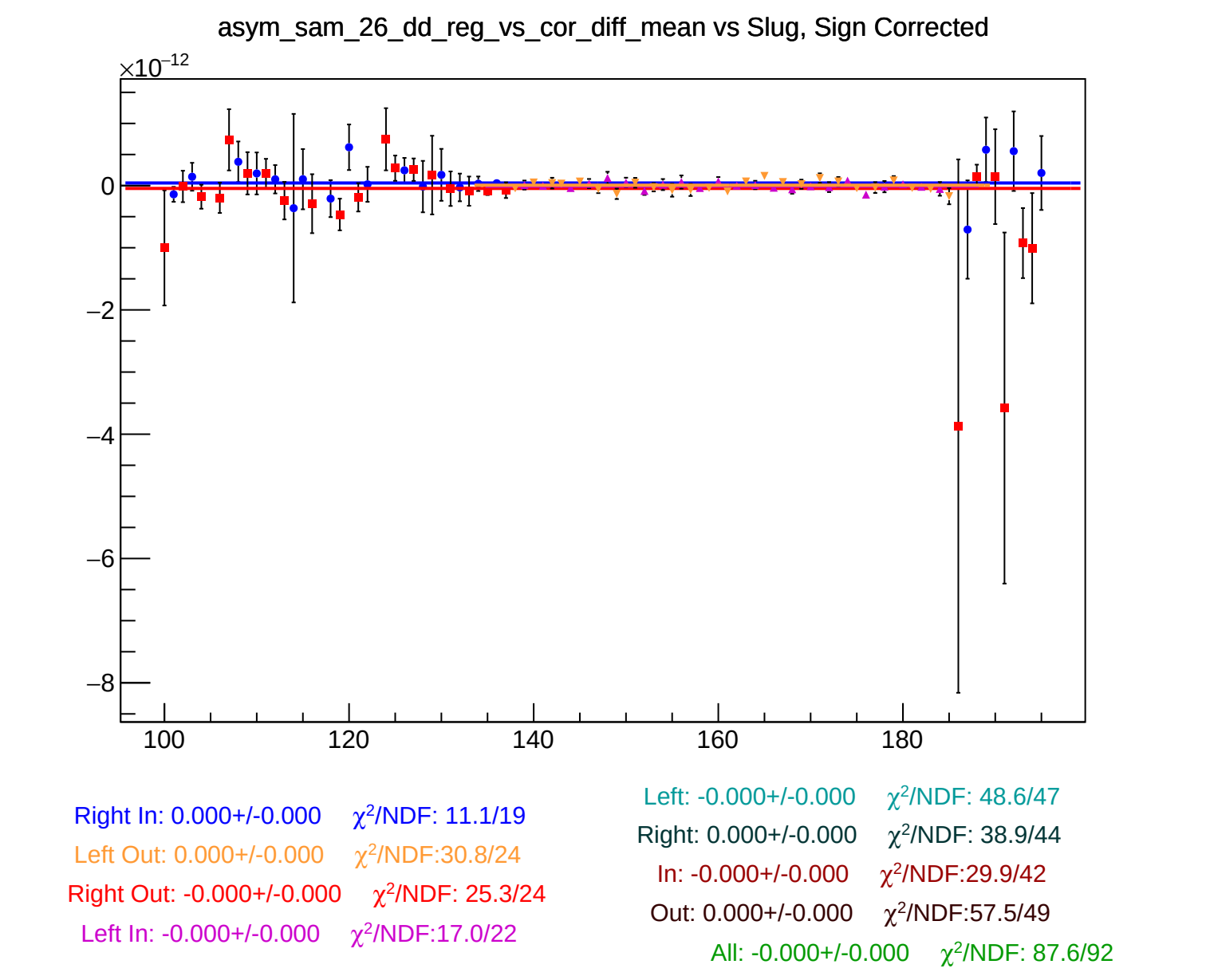
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

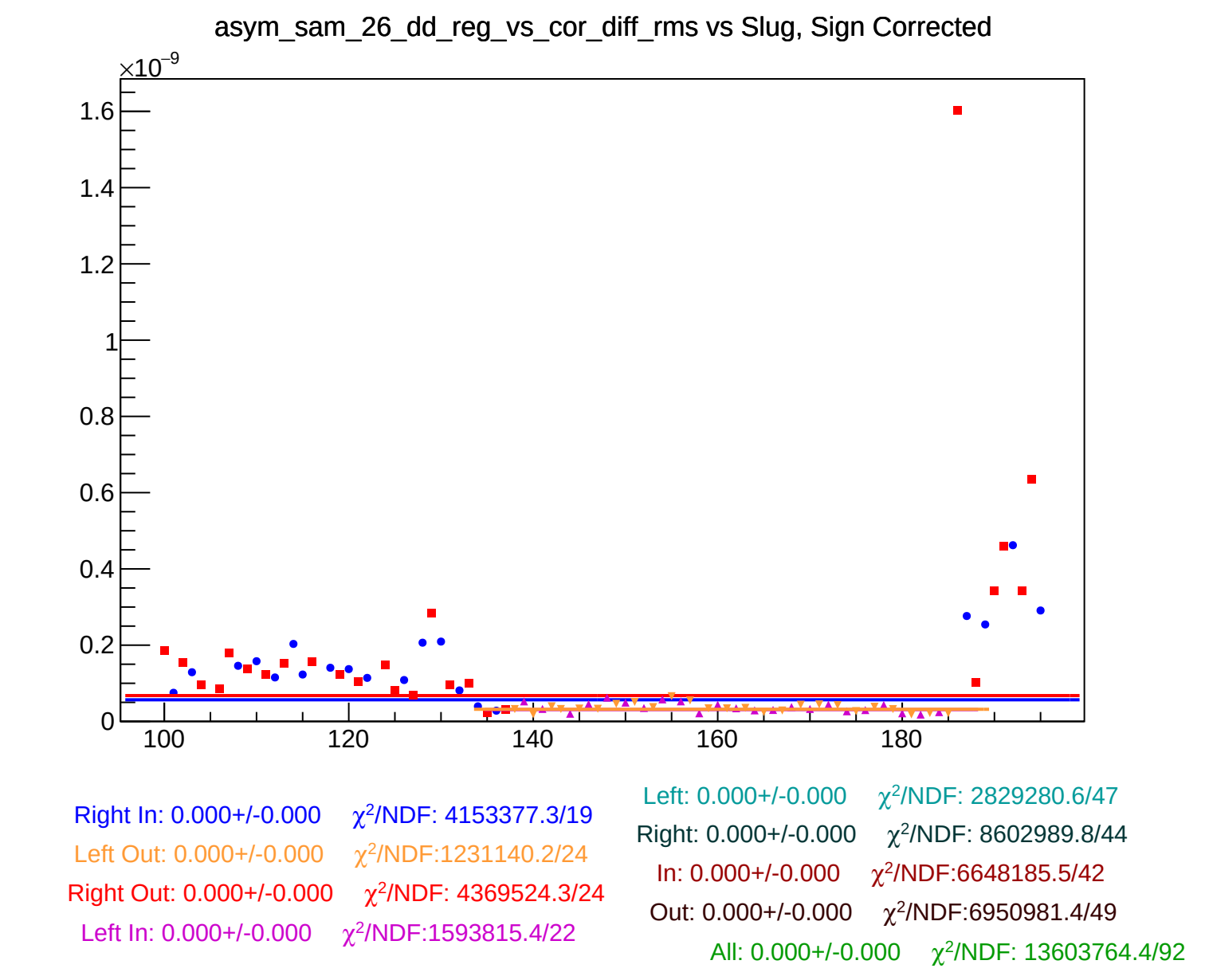
Right: 2529.919+/-0.411 χ^2/NDF: 3899068.4/44

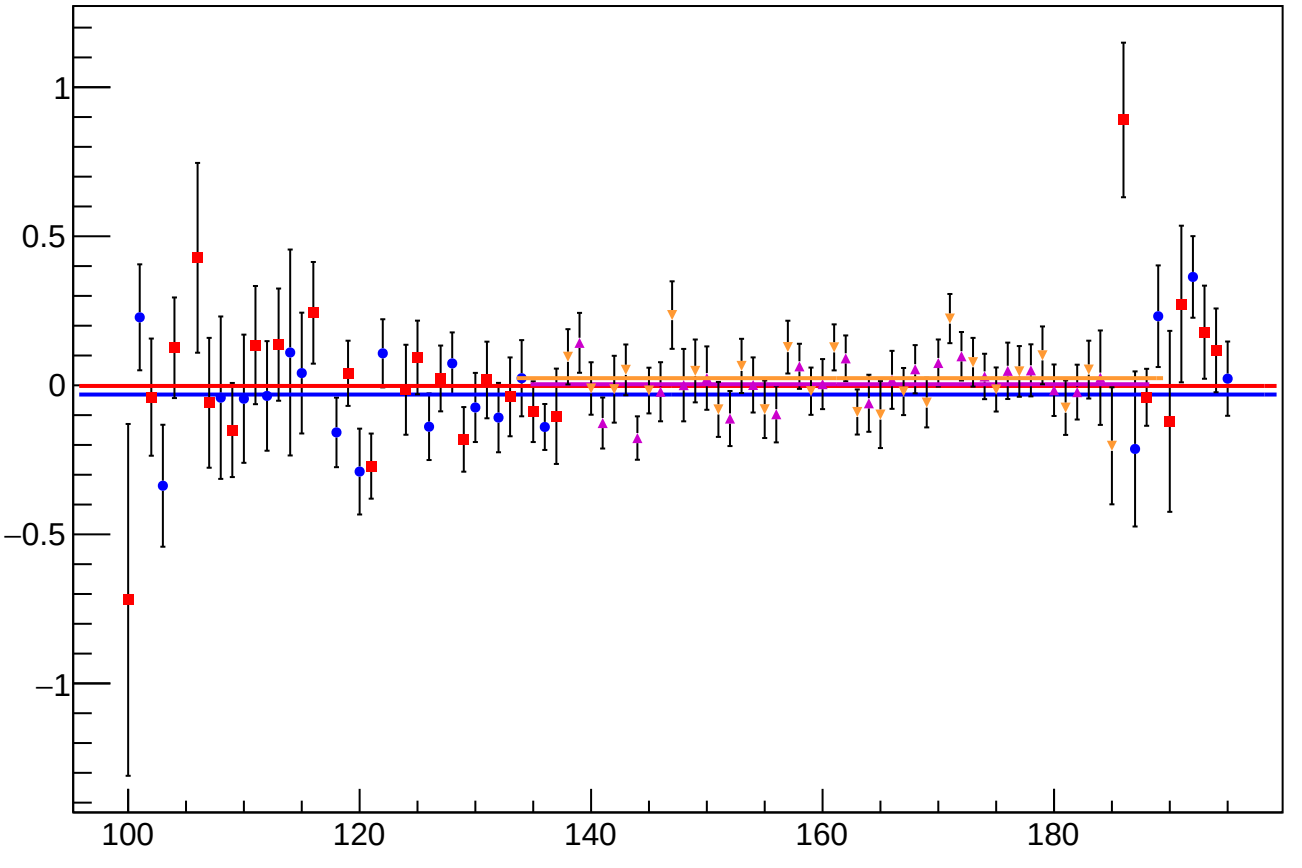
In: 1688.166+/-0.234 χ^2/NDF:4054558.9/42

Out: 1693.895+/-0.228 χ^2/NDF:5571607.1/49

All: 1691.108+/-0.163 χ^2/NDF: 9626473.4/92


asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0
−2
−4
−6
−8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 11.1/19
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.3/24
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
Left: -0.000+/-0.000 χ²/NDF: 48.6/47
Right: 0.000+/-0.000 χ²/NDF: 38.9/44
In: -0.000+/-0.000 χ²/NDF:29.9/42
Out: 0.000+/-0.000 χ²/NDF:57.5/49
All: -0.000+/-0.000 χ²/NDF: 87.6/92


asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4153377.3/19
Left Out: 0.000+/-0.000 χ²/NDF:1231140.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4369524.3/24
Left In: 0.000+/-0.000 χ²/NDF:1593815.4/22
Left: 0.000+/-0.000 χ²/NDF: 2829280.6/47
Right: 0.000+/-0.000 χ²/NDF: 8602989.8/44
In: 0.000+/-0.000 χ²/NDF:6648185.5/42
Out: 0.000+/-0.000 χ²/NDF:6950981.4/49
All: 0.000+/-0.000 χ²/NDF: 13603764.4/92



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

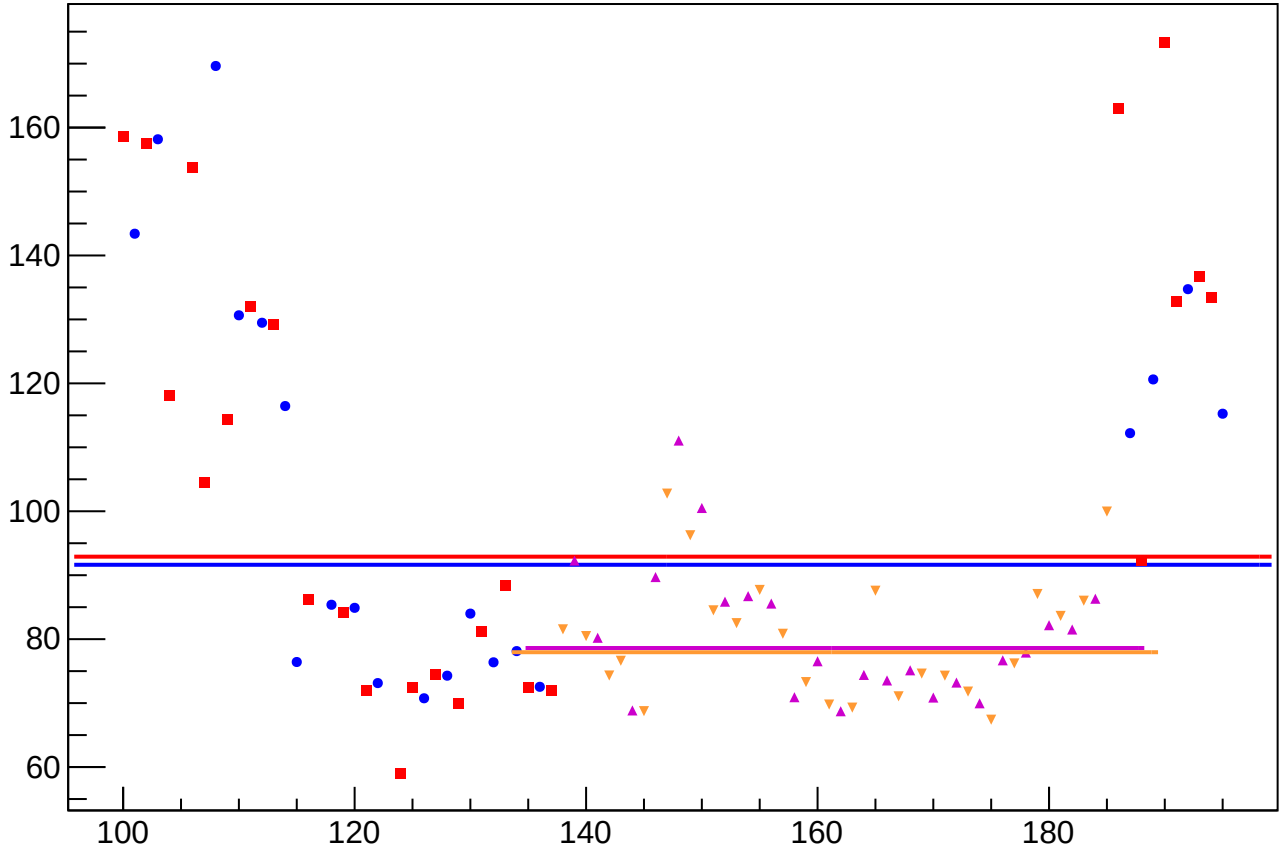
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.016+/-0.021 χ^2/NDF: 61.1/44

In: -0.006+/-0.016 χ^2/NDF:46.4/42

Out: 0.017+/-0.015 χ^2/NDF:60.2/49

All: 0.006+/-0.011 χ^2/NDF: 107.6/92



Right In: 91.631+/-0.022 χ^2/NDF: 1433875.9/19

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 92.899+/-0.021 χ^2/NDF: 1733843.2/24

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

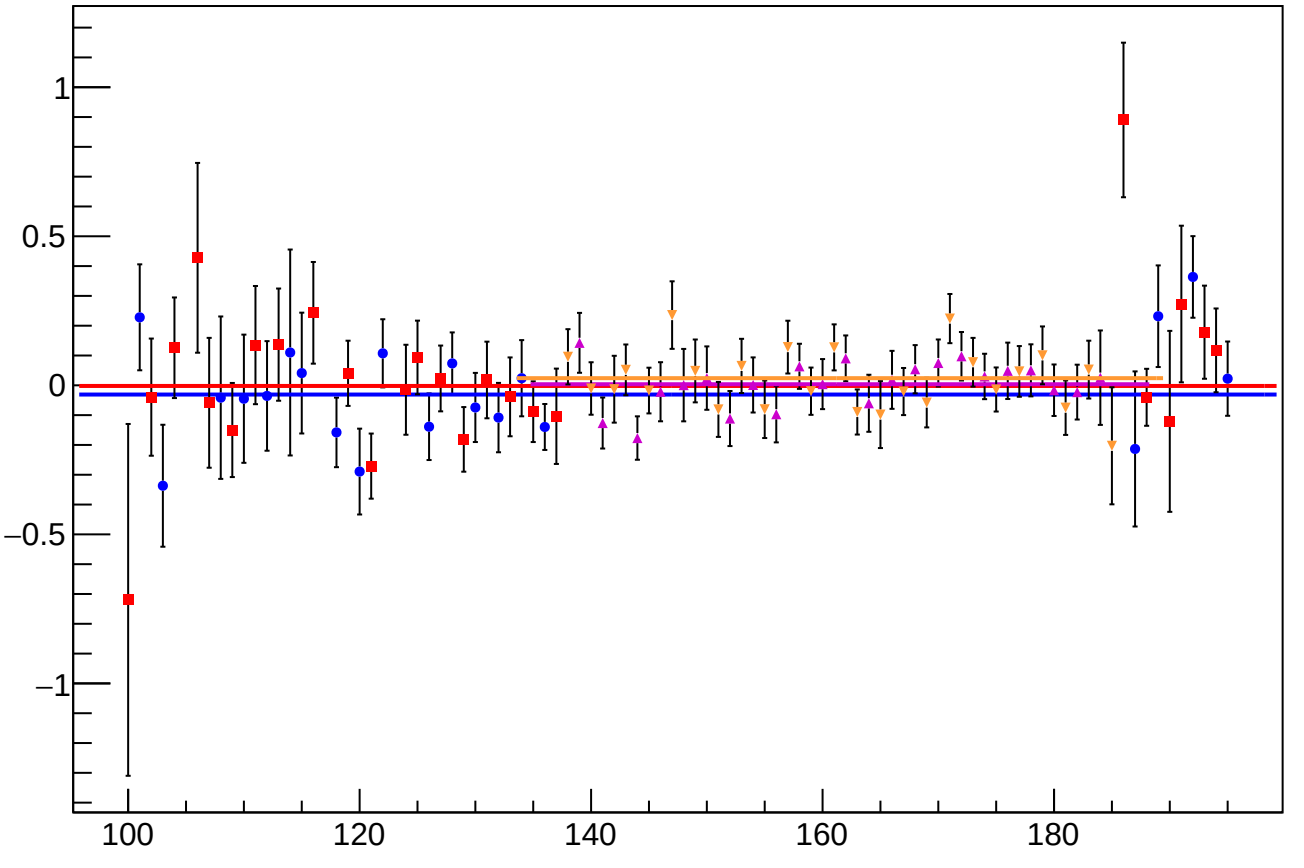
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 92.292+/-0.015 χ^2/NDF: 3169510.8/44

In: 82.118+/-0.011 χ^2/NDF:2196247.5/42

Out: 81.996+/-0.011 χ^2/NDF:2552077.9/49

All: 82.054+/-0.008 χ^2/NDF: 4748386.8/92



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

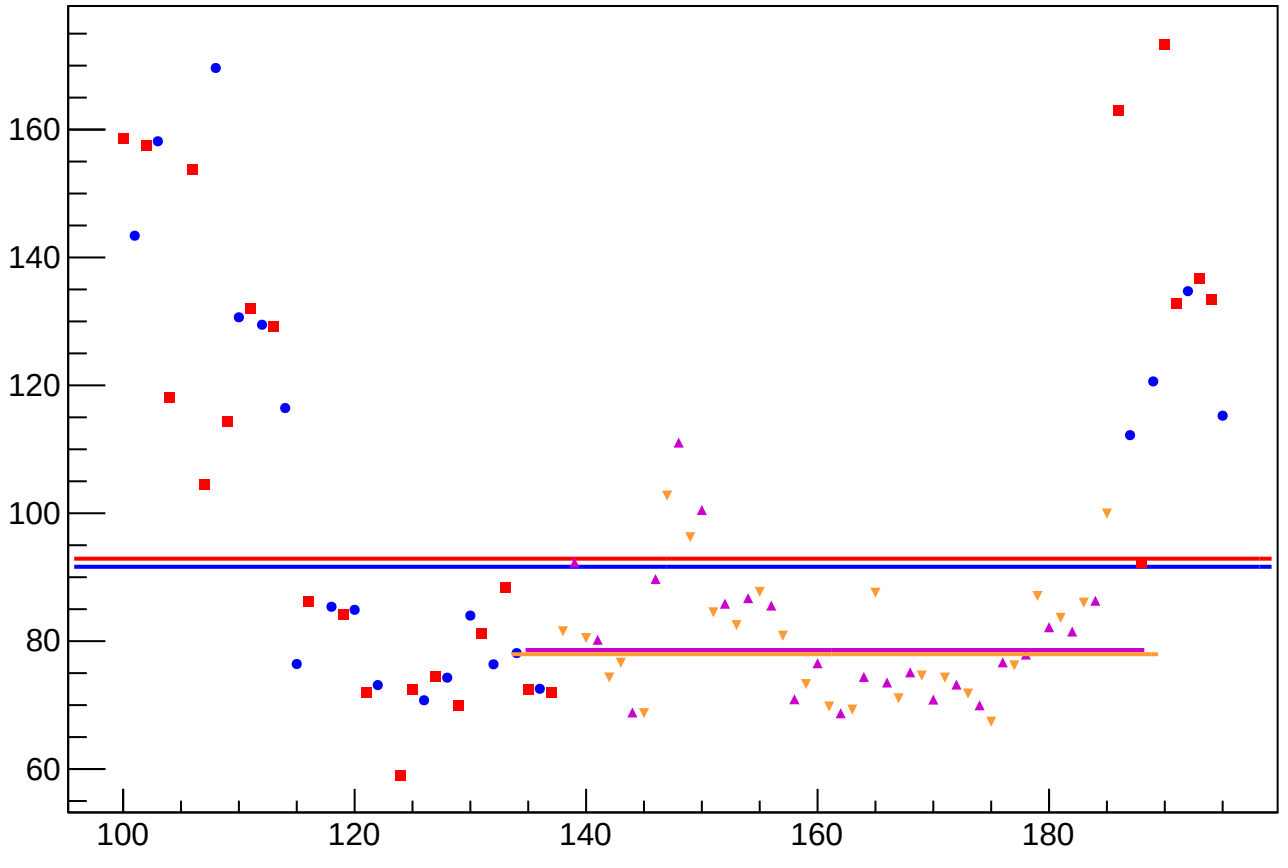
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.016+/-0.021 χ^2/NDF: 61.1/44

In: -0.006+/-0.016 χ^2/NDF:46.4/42

Out: 0.017+/-0.015 χ^2/NDF:60.2/49

All: 0.006+/-0.011 χ^2/NDF: 107.6/92



Right In: 91.631+/-0.022 χ^2/NDF: 1433875.9/19

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 92.899+/-0.021 χ^2/NDF: 1733843.2/24

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

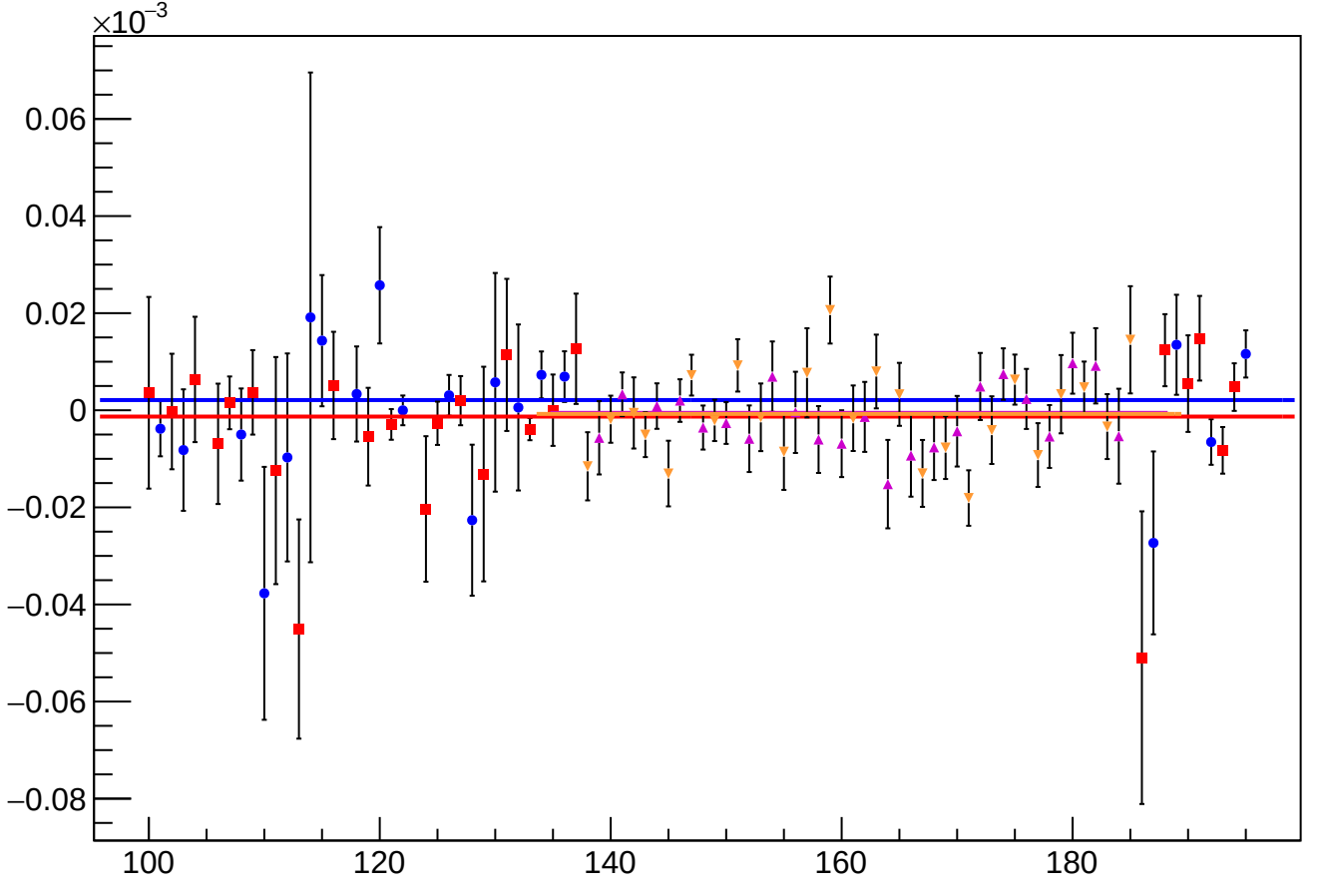
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 92.292+/-0.015 χ^2/NDF: 3169510.8/44

In: 82.118+/-0.011 χ^2/NDF:2196247.5/42

Out: 81.996+/-0.011 χ^2/NDF:2552077.9/49

All: 82.054+/-0.008 χ^2/NDF: 4748386.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/24

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

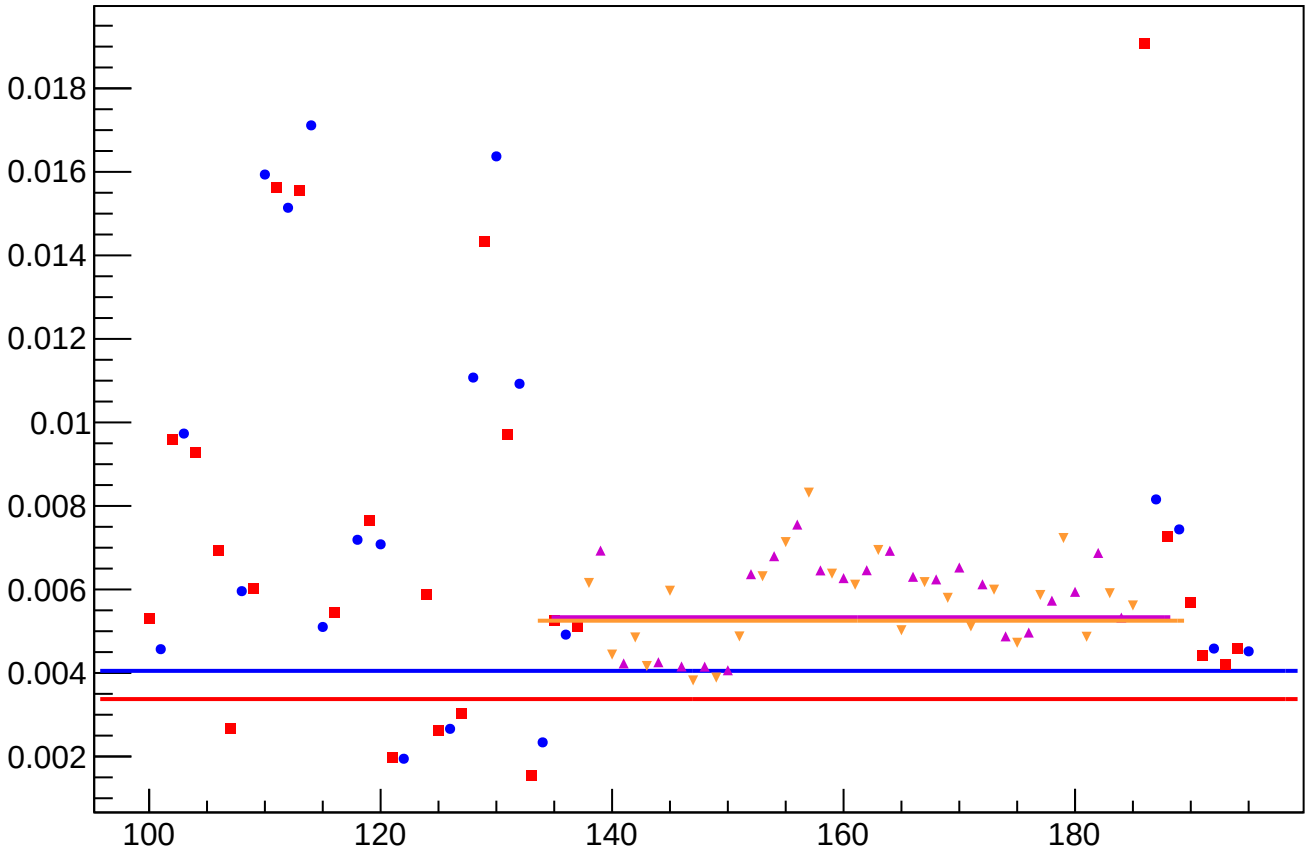
Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

Right: 0.000+/-0.000 χ^2/NDF: 54.2/44

In: 0.000+/-0.000 χ^2/NDF:46.2/42

Out: -0.000+/-0.000 χ^2/NDF:73.2/49

All: -0.000+/-0.000 χ^2/NDF: 120.8/92



Right In: 0.004+/-0.000 χ^2/NDF: 5096812.0/19

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7134651.5/24

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

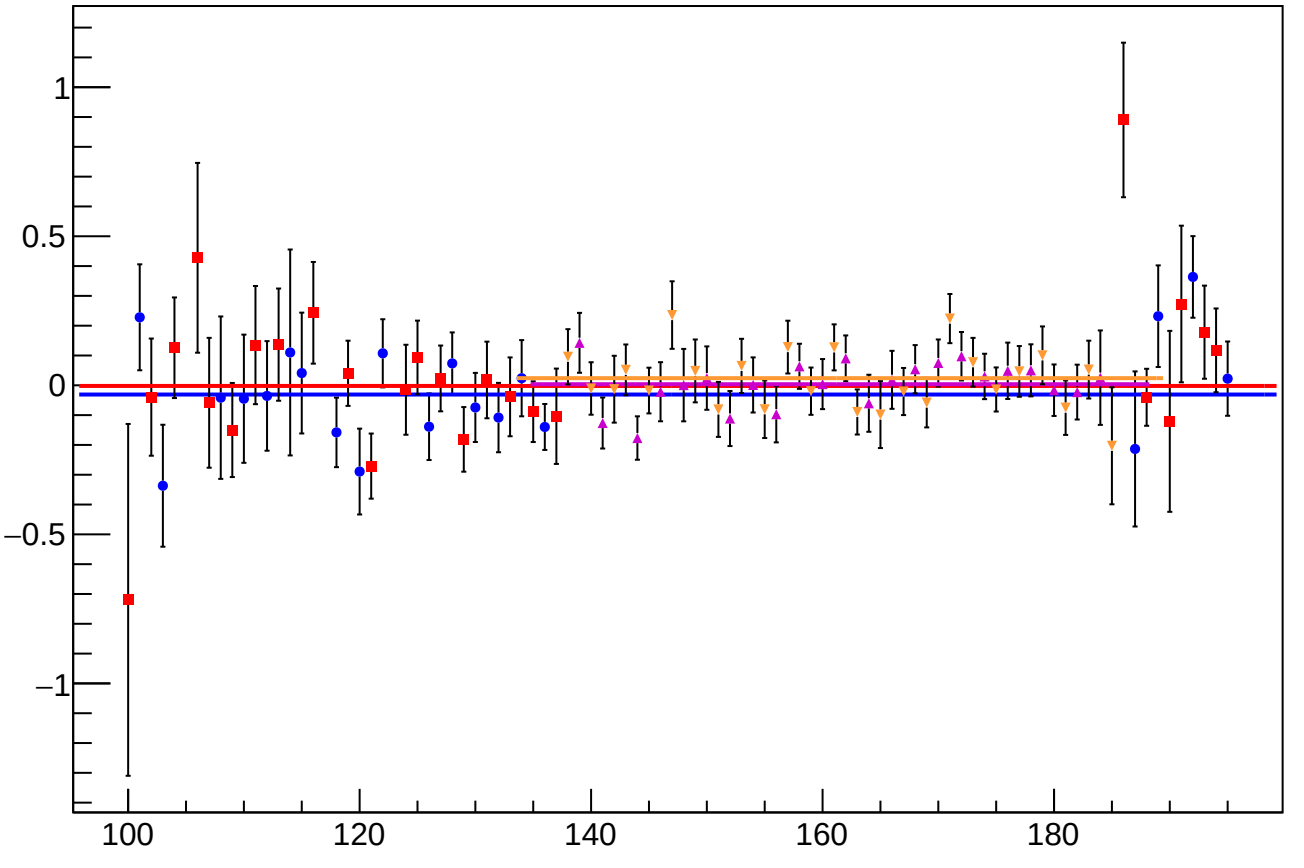
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 12464956.4/44

In: 0.005+/-0.000 χ^2/NDF:7434037.9/42

Out: 0.004+/-0.000 χ^2/NDF:10941515.4/49

All: 0.005+/-0.000 χ^2/NDF: 18629805.7/92



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

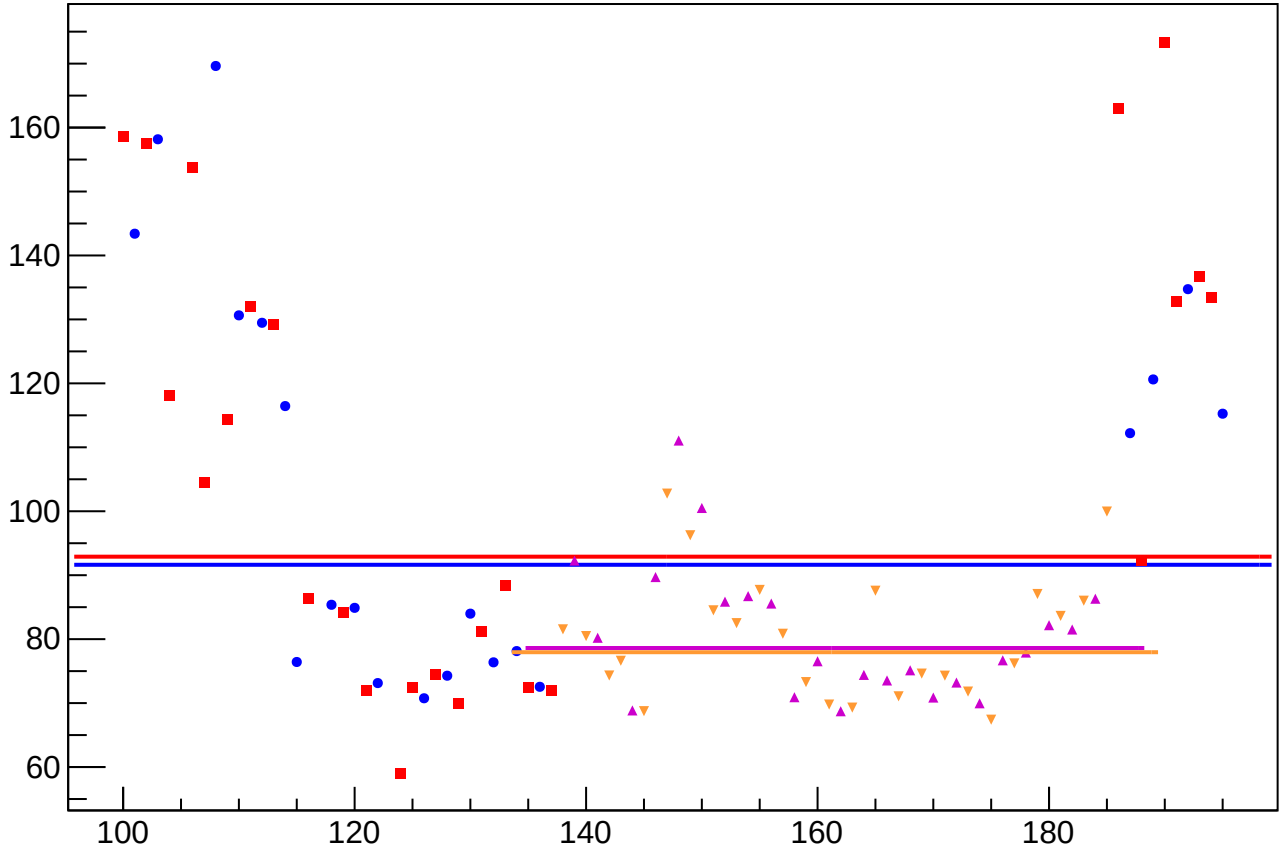
Right: -0.016+/-0.021 χ^2/NDF: 61.1/44

In: -0.006+/-0.016 χ^2/NDF:46.4/42

Out: 0.017+/-0.015 χ^2/NDF:60.2/49

All: 0.006+/-0.011 χ^2/NDF: 107.6/92

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 91.628+/-0.022 χ^2/NDF: 1433911.3/19

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 92.897+/-0.021 χ^2/NDF: 1733860.8/24

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

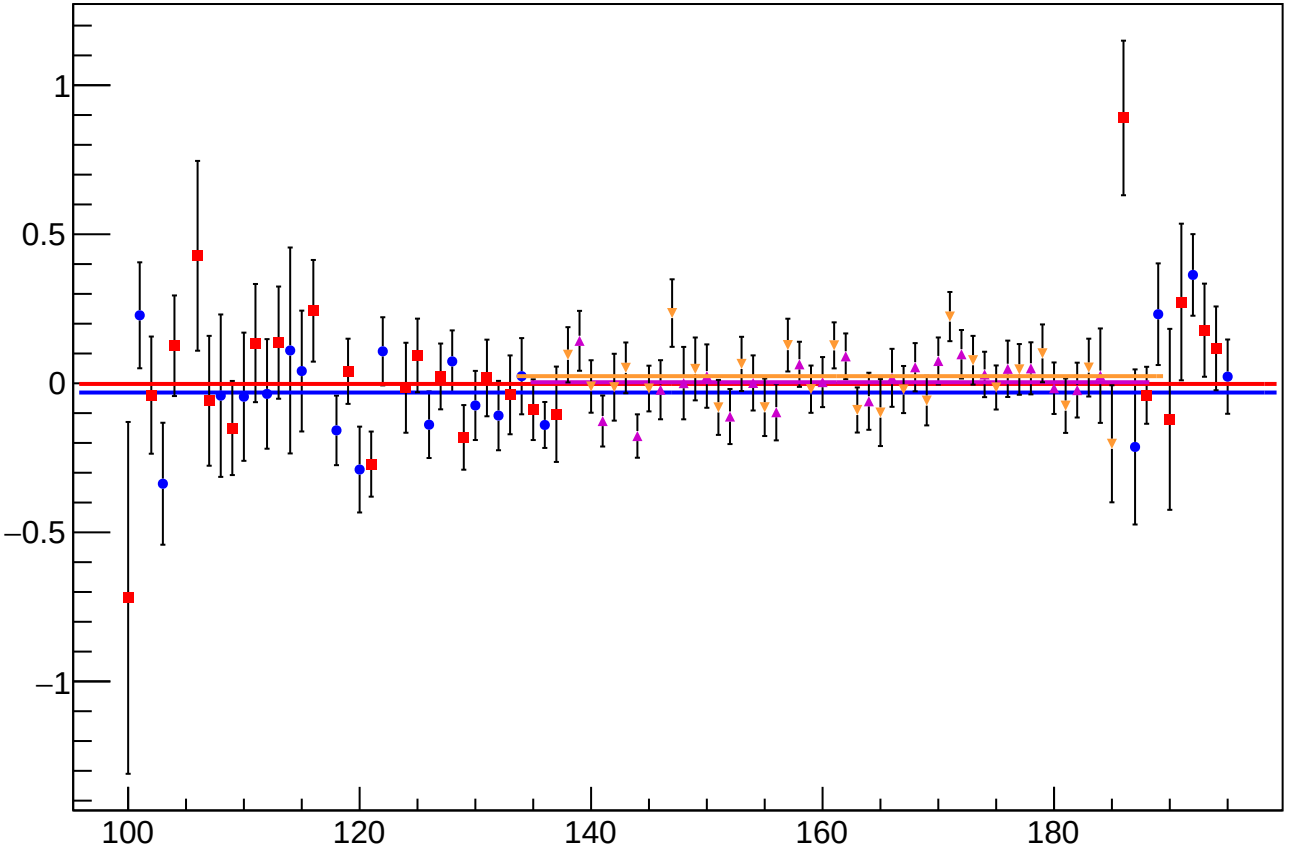
Right: 92.289+/-0.015 χ^2/NDF: 3169564.8/44

In: 82.117+/-0.011 χ^2/NDF:2196262.6/42

Out: 81.995+/-0.011 χ^2/NDF:2552064.3/49

All: 82.053+/-0.008 χ^2/NDF: 4748388.1/92

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.031 χ^2/NDF: 26.6/19

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

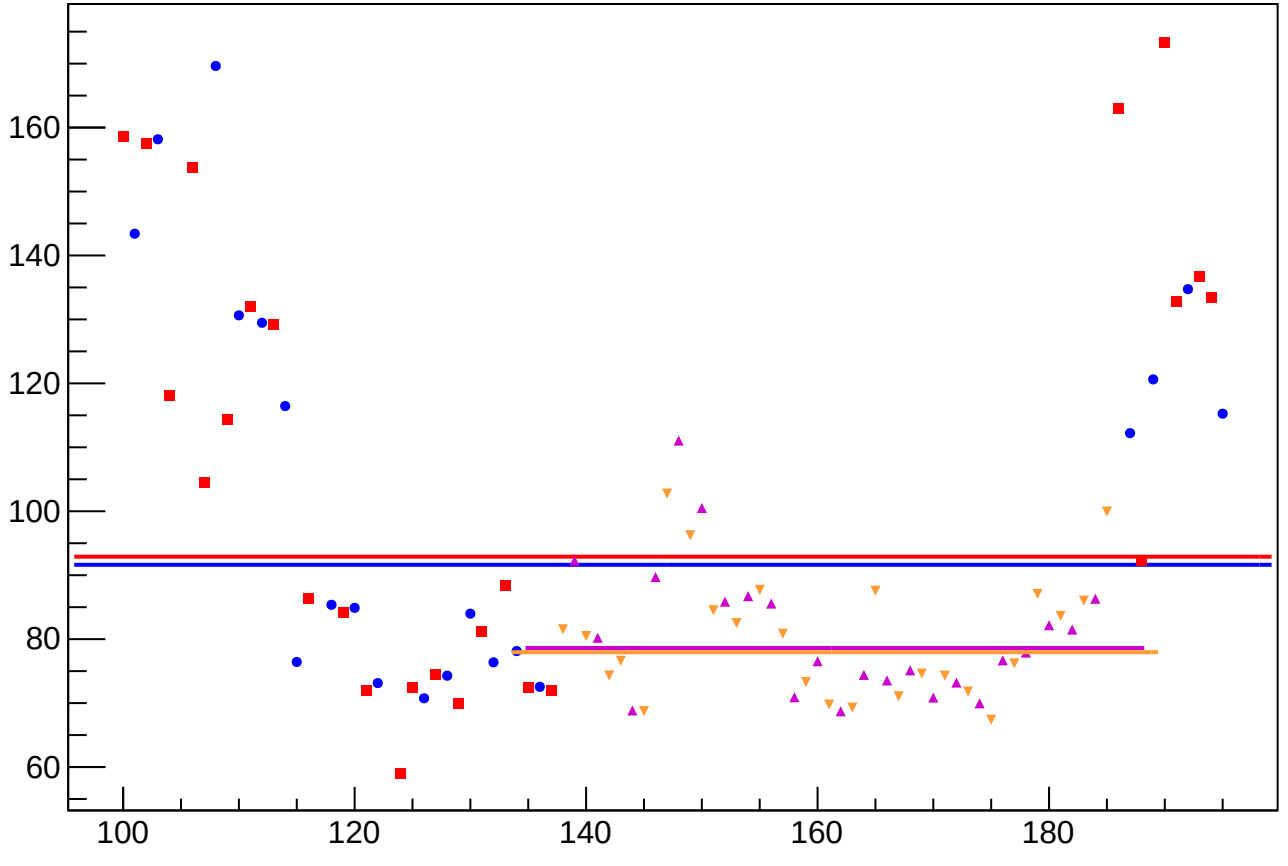
Right: -0.016+/-0.021 χ^2/NDF: 61.1/44

In: -0.006+/-0.016 χ^2/NDF:46.4/42

Out: 0.017+/-0.015 χ^2/NDF:60.2/49

All: 0.006+/-0.011 χ^2/NDF: 107.6/92

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 91.628+/-0.022 χ^2/NDF: 1433911.3/19

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 92.897+/-0.021 χ^2/NDF: 1733860.8/24

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

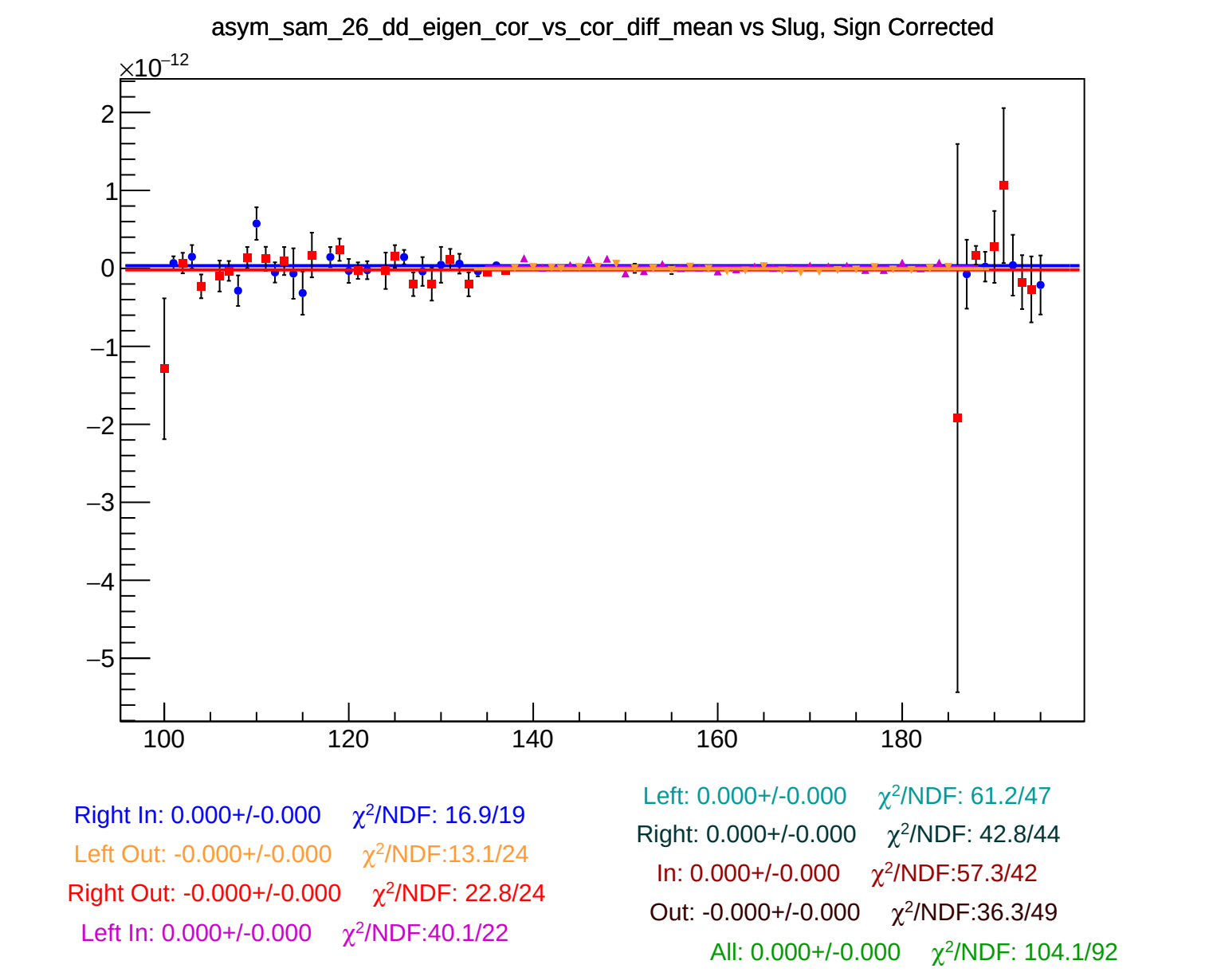
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

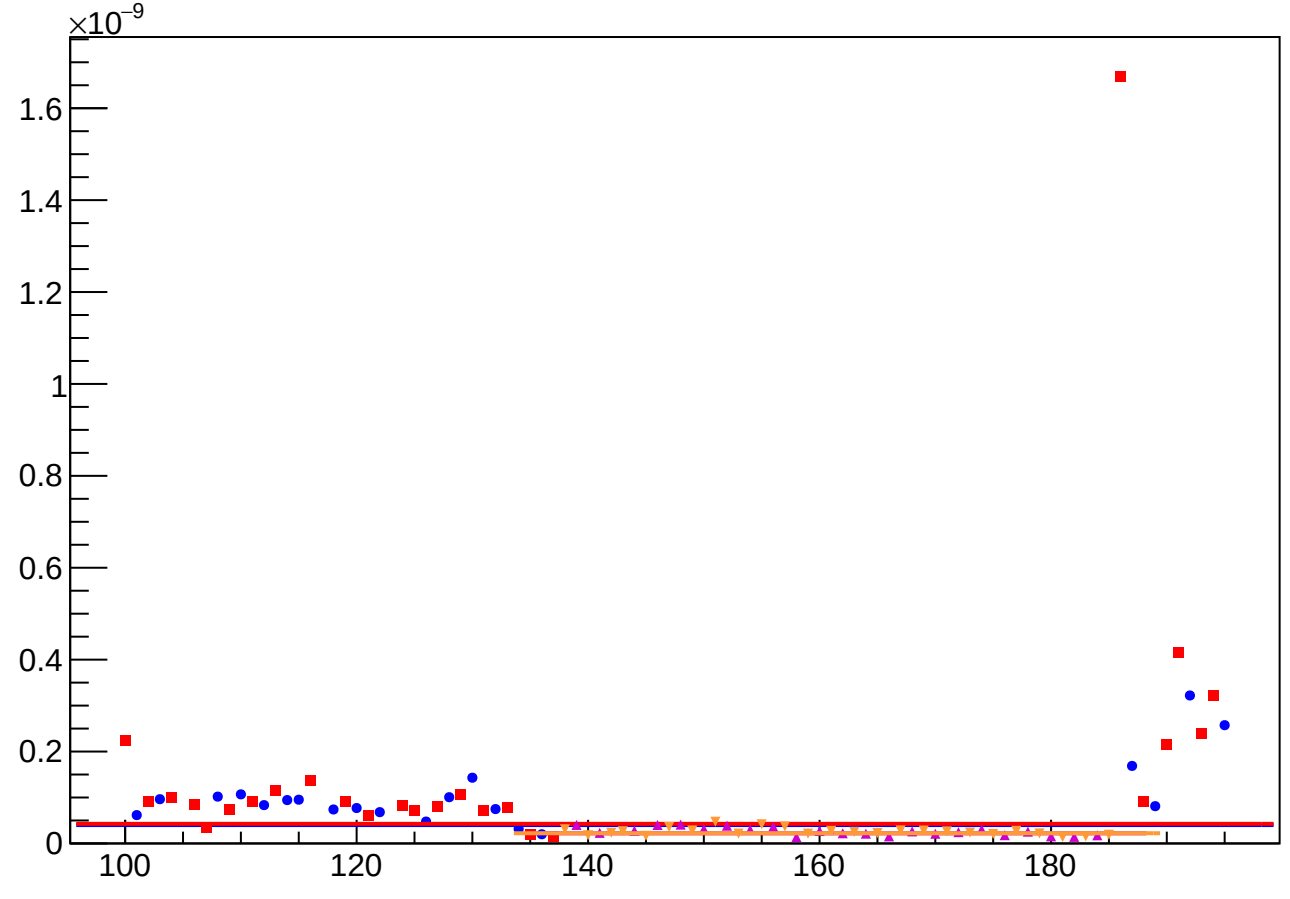
Right: 92.289+/-0.015 χ^2/NDF: 3169564.8/44

In: 82.117+/-0.011 χ^2/NDF:2196262.6/42

Out: 81.995+/-0.011 χ^2/NDF:2552064.3/49

All: 82.053+/-0.008 χ^2/NDF: 4748388.1/92


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 16.9/19
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.8/24
Left In: 0.000+/-0.000 χ²/NDF:40.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.2/47
Right: 0.000+/-0.000 χ²/NDF: 42.8/44
In: 0.000+/-0.000 χ²/NDF:57.3/42
Out: -0.000+/-0.000 χ²/NDF:36.3/49
All: 0.000+/-0.000 χ²/NDF: 104.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 5448192.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7026856.6/24

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

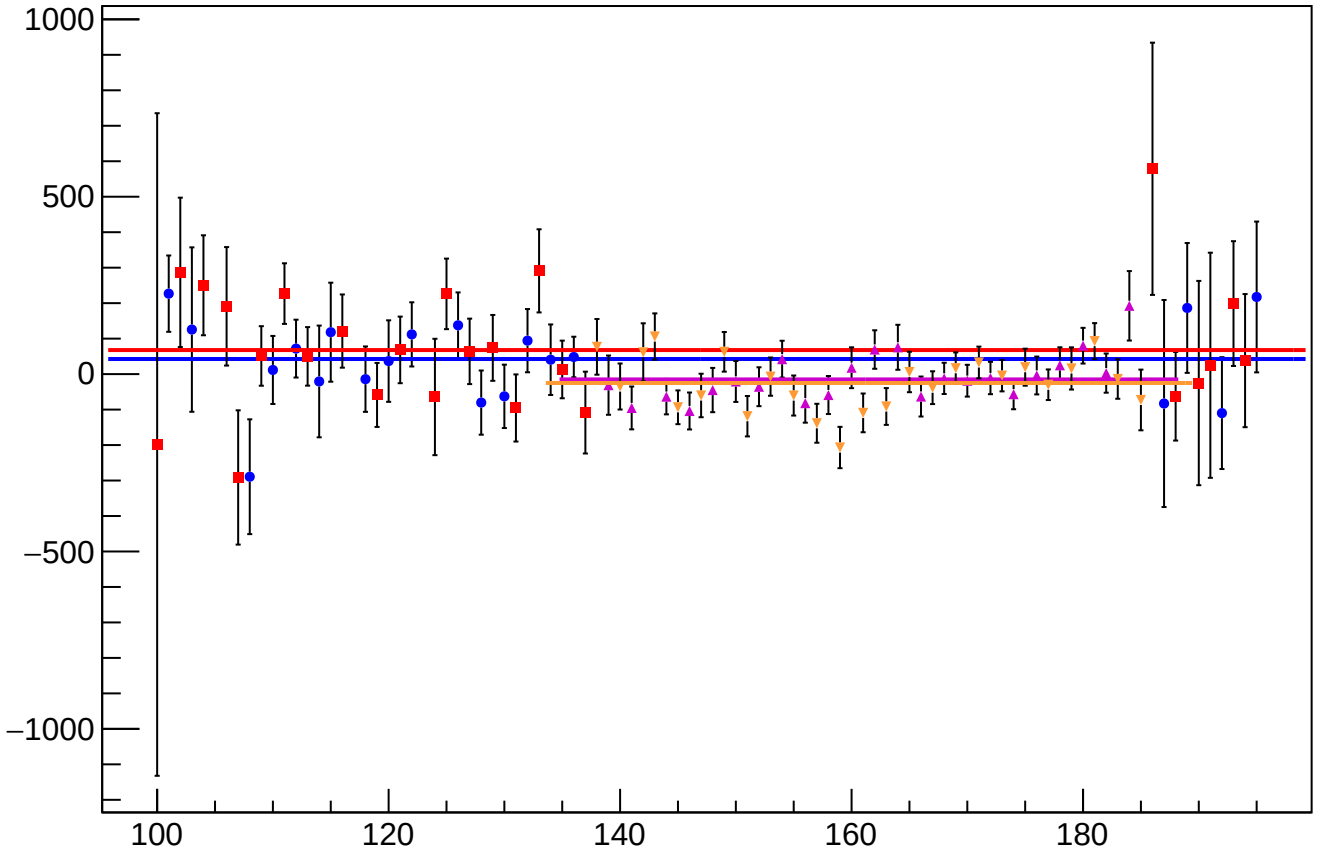
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12490558.5/44

In: 0.000+/-0.000 χ^2/NDF:9670397.6/42

Out: 0.000+/-0.000 χ^2/NDF:10970191.3/49

All: 0.000+/-0.000 χ^2/NDF: 20641160.0/92



Right In: 42.548+/-23.502 χ^2/NDF: 16.0/19

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 67.776+/-23.364 χ^2/NDF: 29.2/24

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

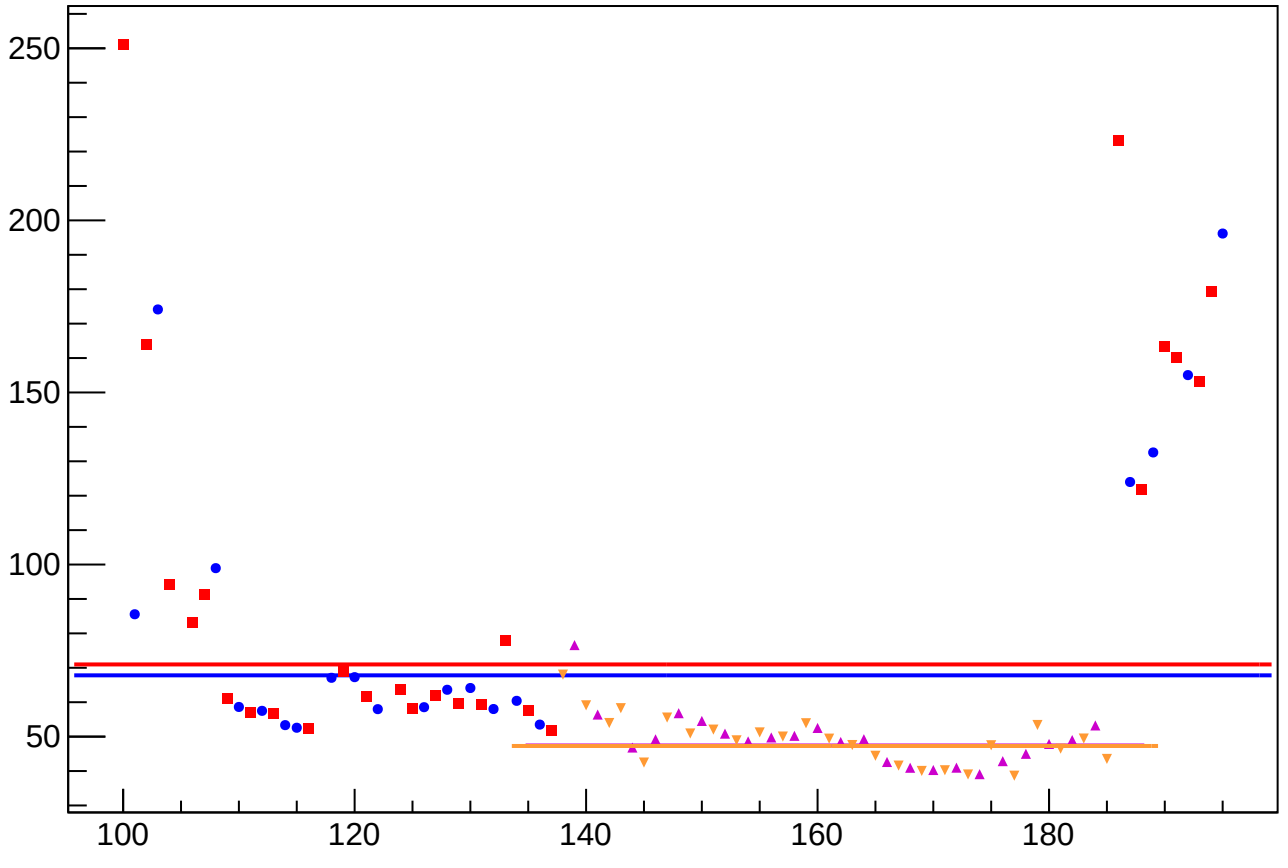
Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

Right: 55.236+/-16.569 χ^2/NDF: 45.8/44

In: -4.316+/-10.124 χ^2/NDF:45.6/42

Out: -8.438+/-9.869 χ^2/NDF:85.3/49

All: -6.430+/-7.067 χ^2/NDF: 130.9/92



Right In: 67.807+/-0.017 χ^2/NDF: 2518995.3/19

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 70.975+/-0.017 χ^2/NDF: 3177990.1/24

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

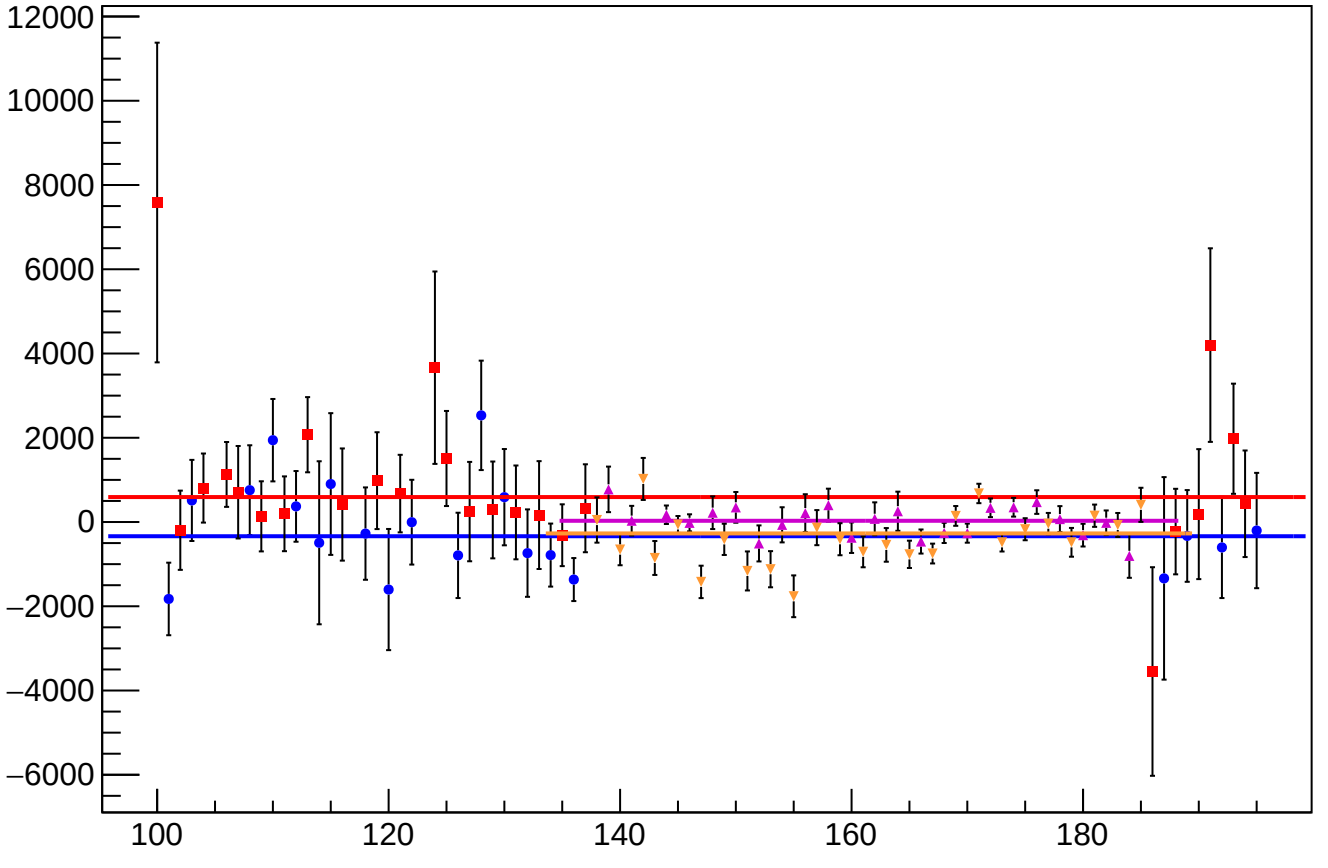
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 69.400+/-0.012 χ^2/NDF: 5715263.8/44

In: 51.207+/-0.007 χ^2/NDF:4399881.9/42

Out: 51.510+/-0.007 χ^2/NDF:5584835.1/49

All: 51.363+/-0.005 χ^2/NDF: 9985637.4/92



Right In: -337.545+/-224.586 χ^2/NDF: 22.9/19

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 592.365+/-216.820 χ^2/NDF: 19.6/24

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

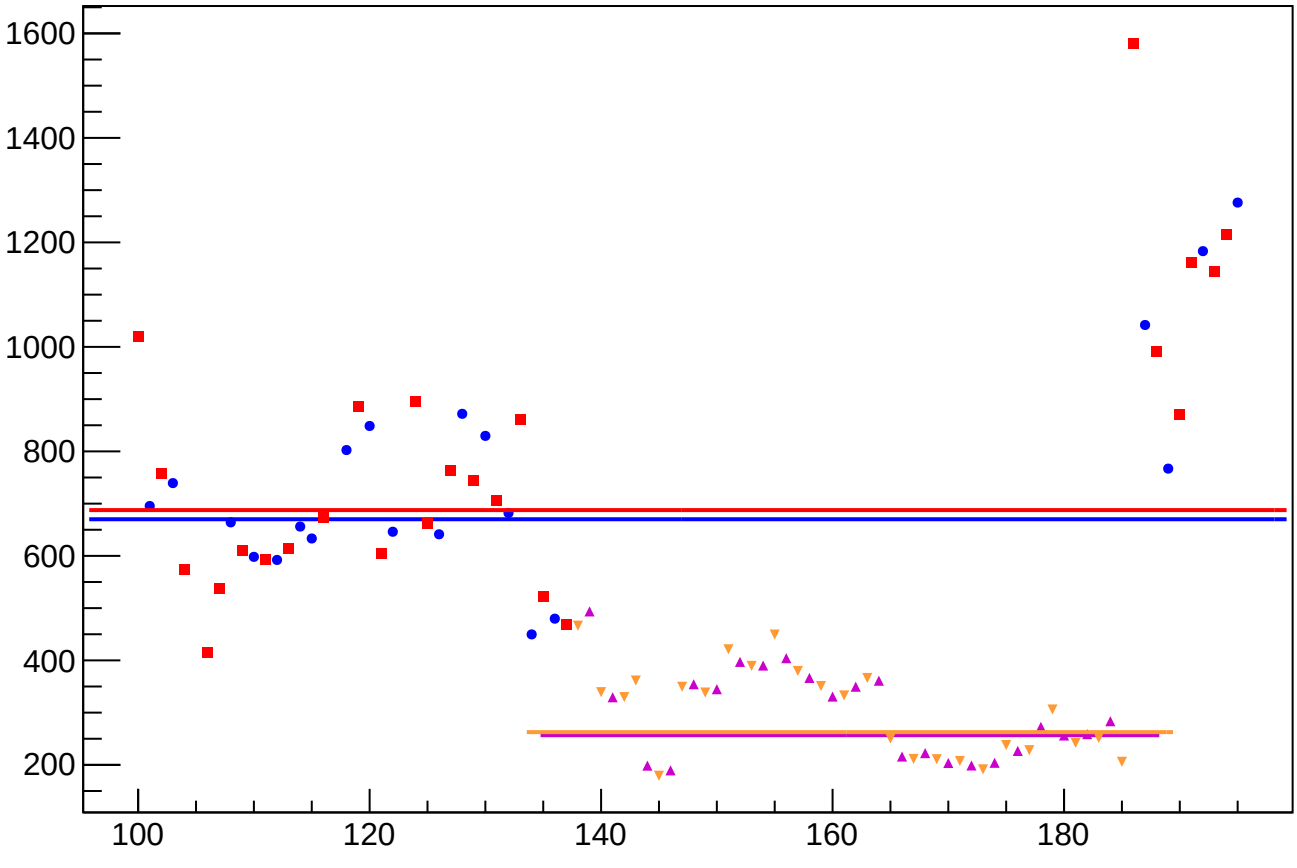
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 143.767+/-155.988 χ^2/NDF: 51.4/44

In: 2.706+/-60.364 χ^2/NDF:49.8/42

Out: -205.095+/-59.918 χ^2/NDF:108.2/49

All: -101.966+/-42.525 χ^2/NDF: 163.9/92



Right In: 670.102+/-0.159 χ^2/NDF: 1463524.0/19

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 687.627+/-0.153 χ^2/NDF: 1882563.1/24

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

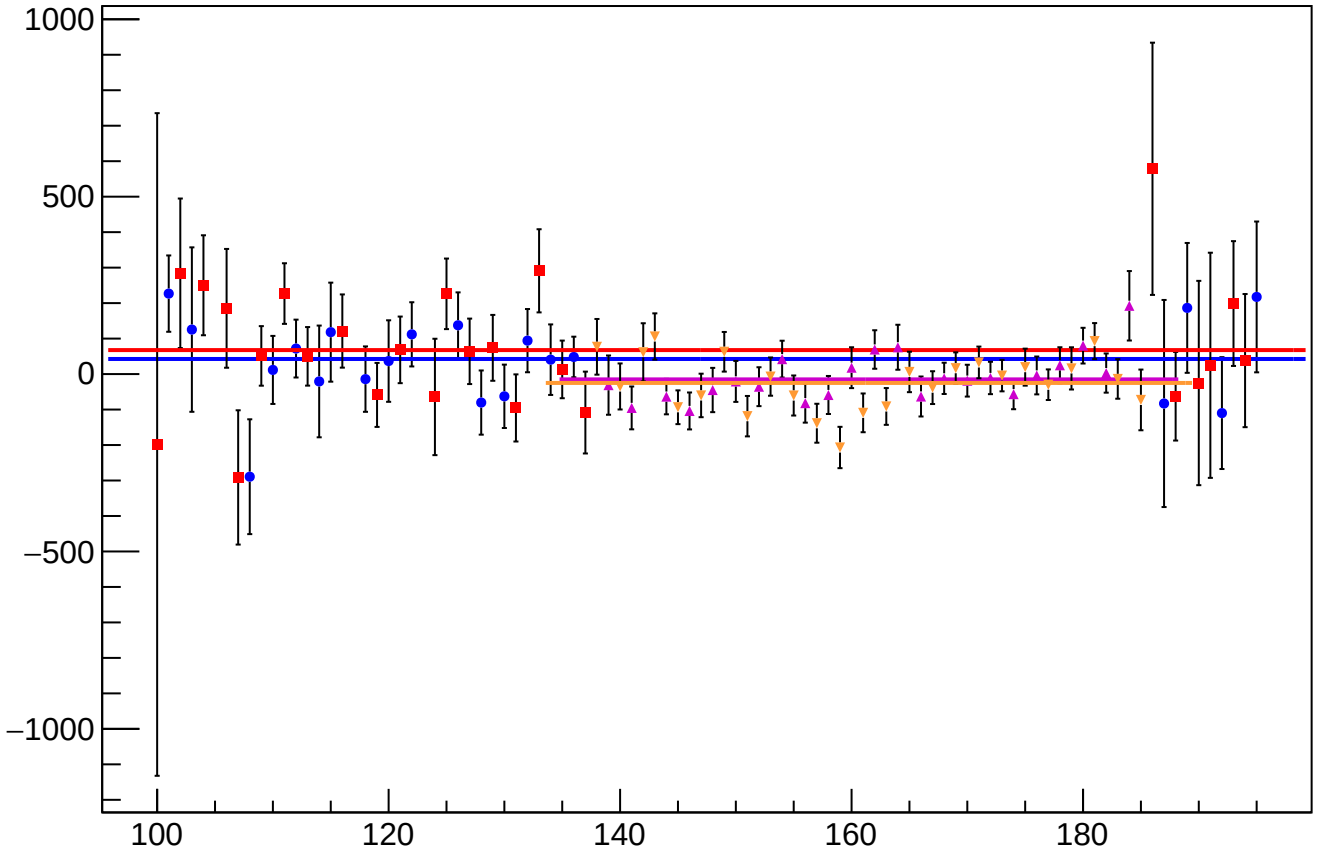
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 679.173+/-0.110 χ^2/NDF: 3352390.6/44

In: 286.697+/-0.043 χ^2/NDF:10385373.2/42

Out: 295.132+/-0.042 χ^2/NDF:11871625.7/49

All: 290.946+/-0.030 χ^2/NDF: 22276666.2/92



Right In: 42.542+/-23.502 χ^2/NDF: 16.0/19

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 67.607+/-23.365 χ^2/NDF: 29.1/24

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

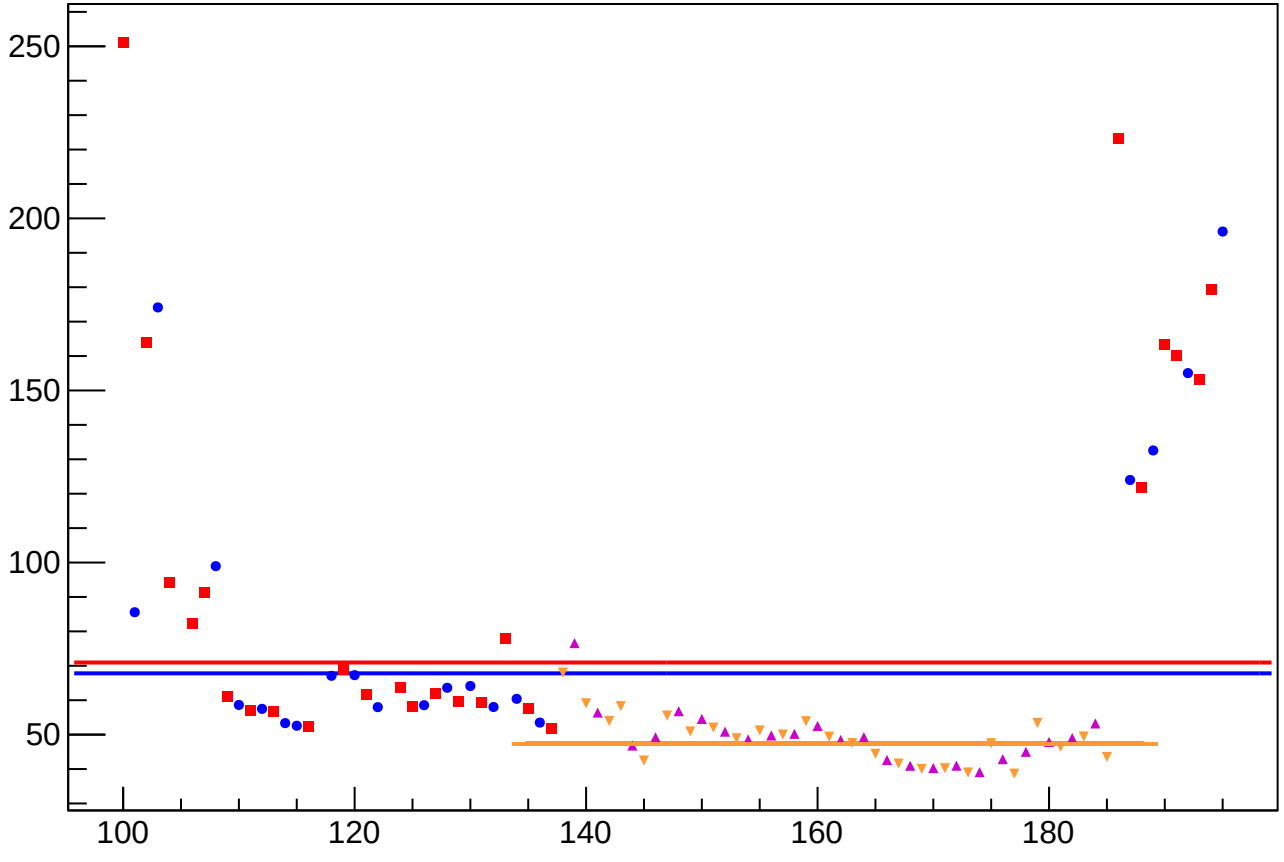
Right: 55.147+/-16.570 χ^2/NDF: 45.7/44

In: -4.316+/-10.124 χ^2/NDF:45.6/42

Out: -8.467+/-9.869 χ^2/NDF:85.1/49

All: -6.444+/-7.067 χ^2/NDF: 130.8/92

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 67.807+/-0.017 χ^2/NDF: 2518997.6/19

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 70.954+/-0.017 χ^2/NDF: 3176399.0/24

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

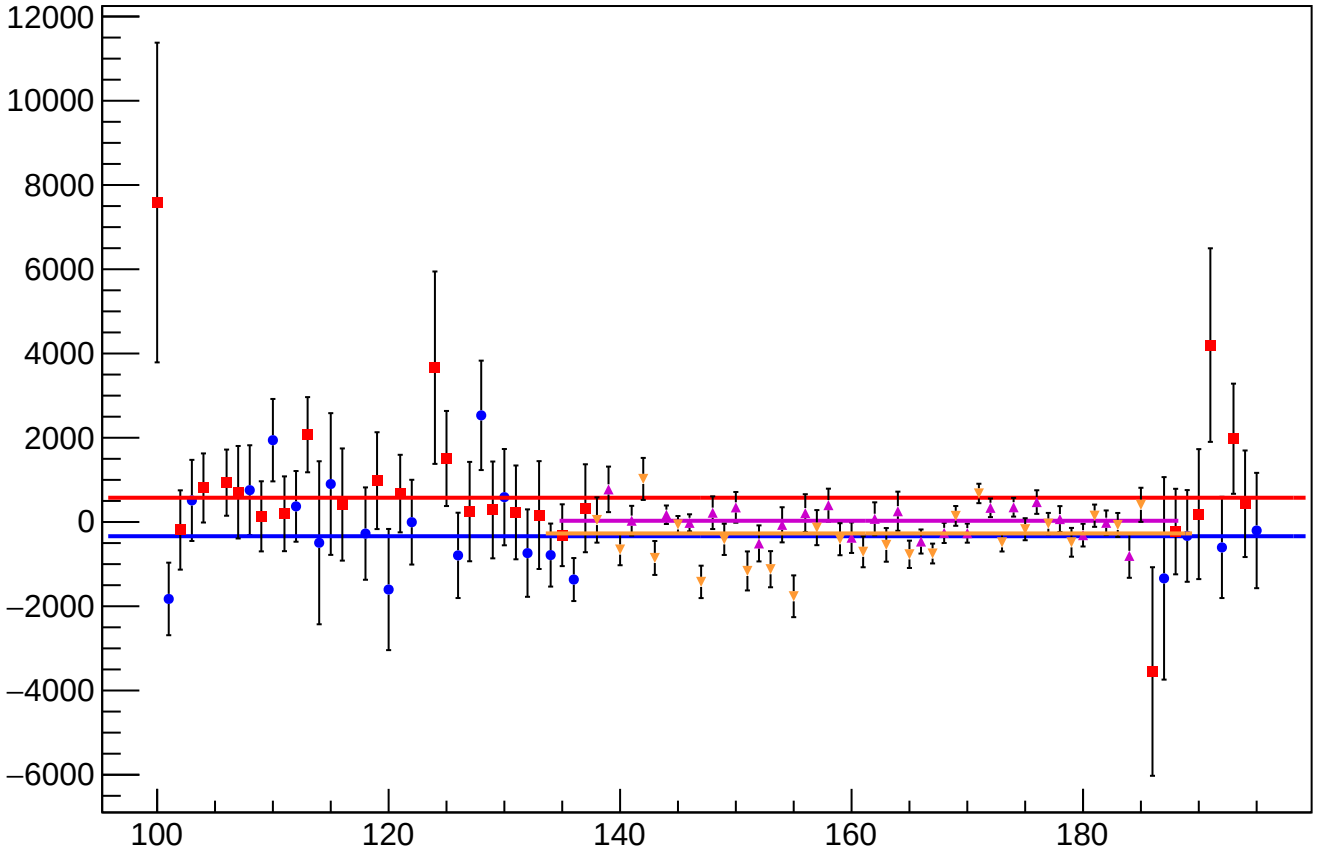
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 69.390+/-0.012 χ^2/NDF: 5713429.2/44

In: 51.207+/-0.007 χ^2/NDF:4399883.7/42

Out: 51.506+/-0.007 χ^2/NDF:5580054.7/49

All: 51.361+/-0.005 χ^2/NDF: 9980833.6/92



Right In: -337.543+/-224.588 χ^2/NDF: 22.9/19

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 576.277+/-217.169 χ^2/NDF: 19.3/24

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

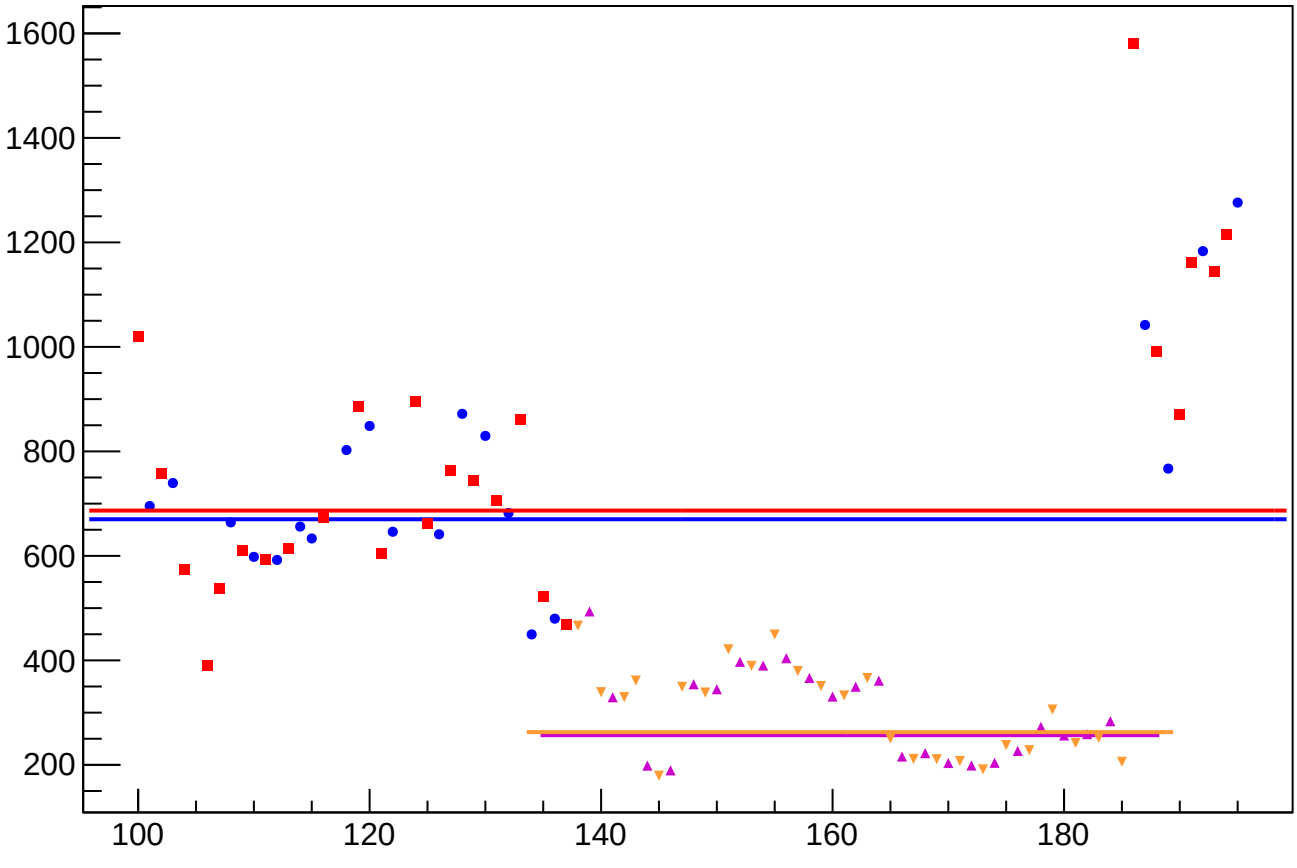
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 134.710+/-156.119 χ^2/NDF: 50.8/44

In: 2.708+/-60.364 χ^2/NDF:49.8/42

Out: -206.511+/-59.925 χ^2/NDF:107.3/49

All: -102.665+/-42.528 χ^2/NDF: 163.1/92



Right In: 670.105+/-0.159 χ^2/NDF: 1463545.1/19

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 686.718+/-0.154 χ^2/NDF: 1916172.8/24

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

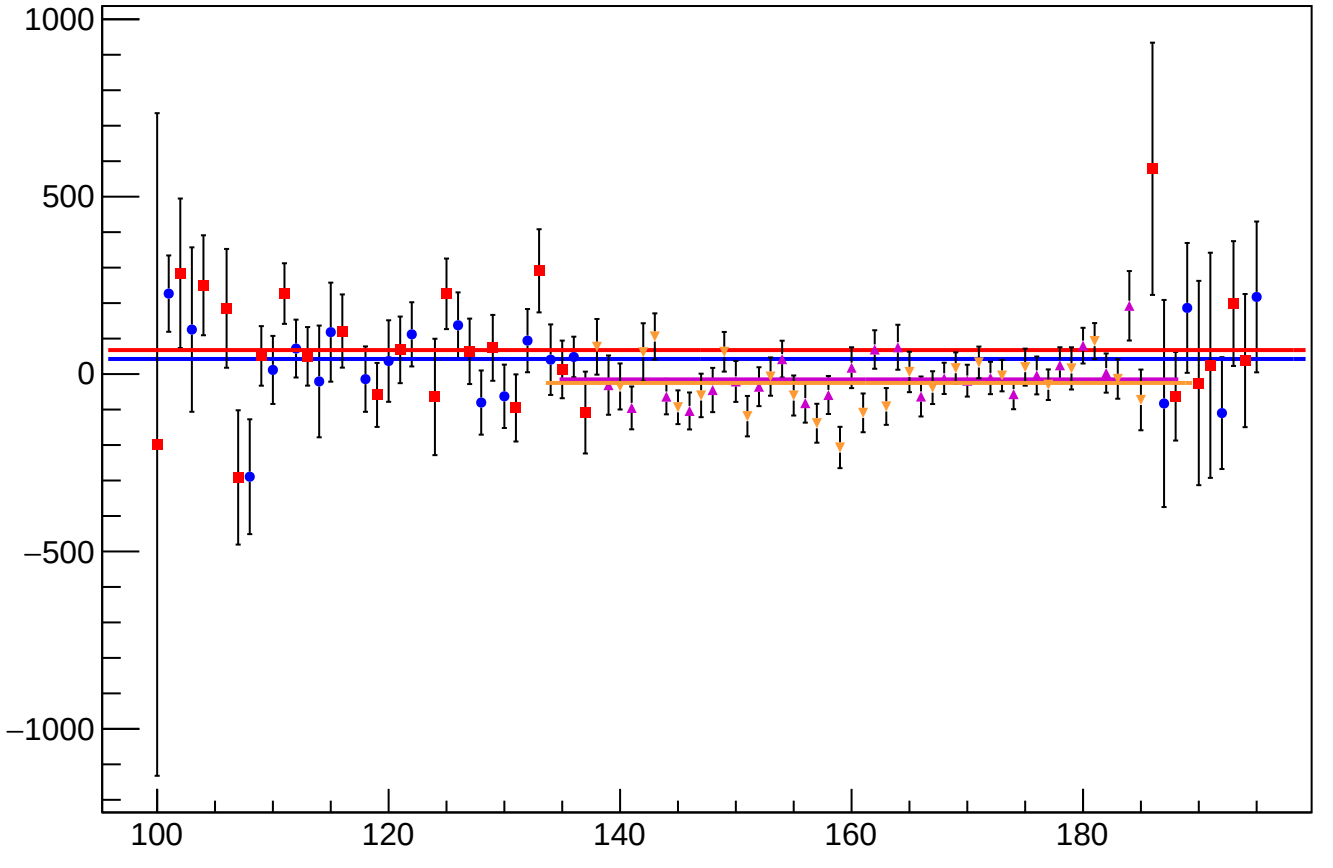
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 678.690+/-0.110 χ^2/NDF: 3385373.3/44

In: 286.697+/-0.043 χ^2/NDF:10385417.6/42

Out: 294.966+/-0.042 χ^2/NDF:11853953.4/49

All: 290.862+/-0.030 χ^2/NDF: 22258271.7/92



Right In: 42.542+/-23.502 χ^2/NDF: 16.0/19

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 67.607+/-23.365 χ^2/NDF: 29.1/24

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

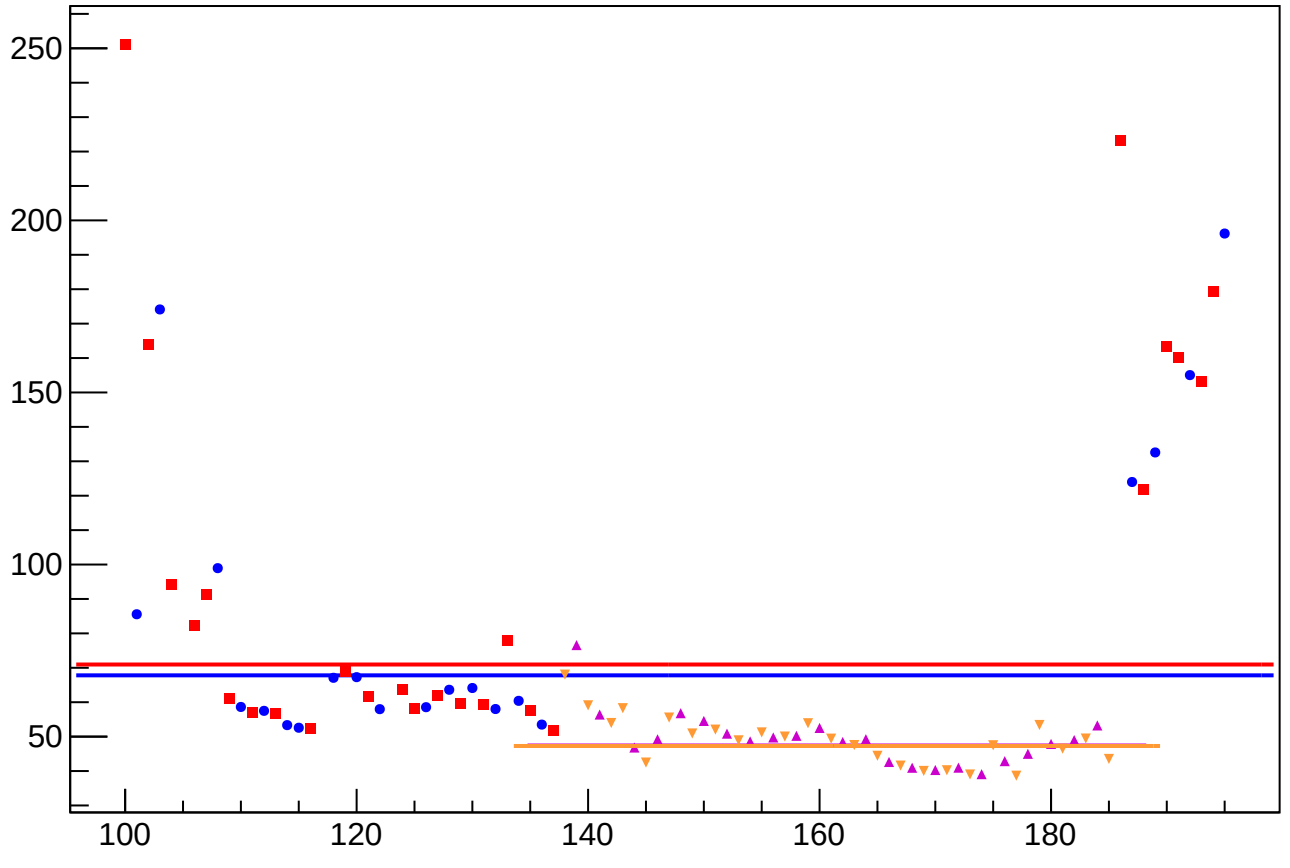
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 55.147+/-16.570 χ^2/NDF: 45.7/44

In: -4.316+/-10.124 χ^2/NDF:45.6/42

Out: -8.467+/-9.869 χ^2/NDF:85.1/49

All: -6.444+/-7.067 χ^2/NDF: 130.8/92



Right In: 67.807+/-0.017 χ^2/NDF: 2518997.6/19

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 70.954+/-0.017 χ^2/NDF: 3176399.0/24

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

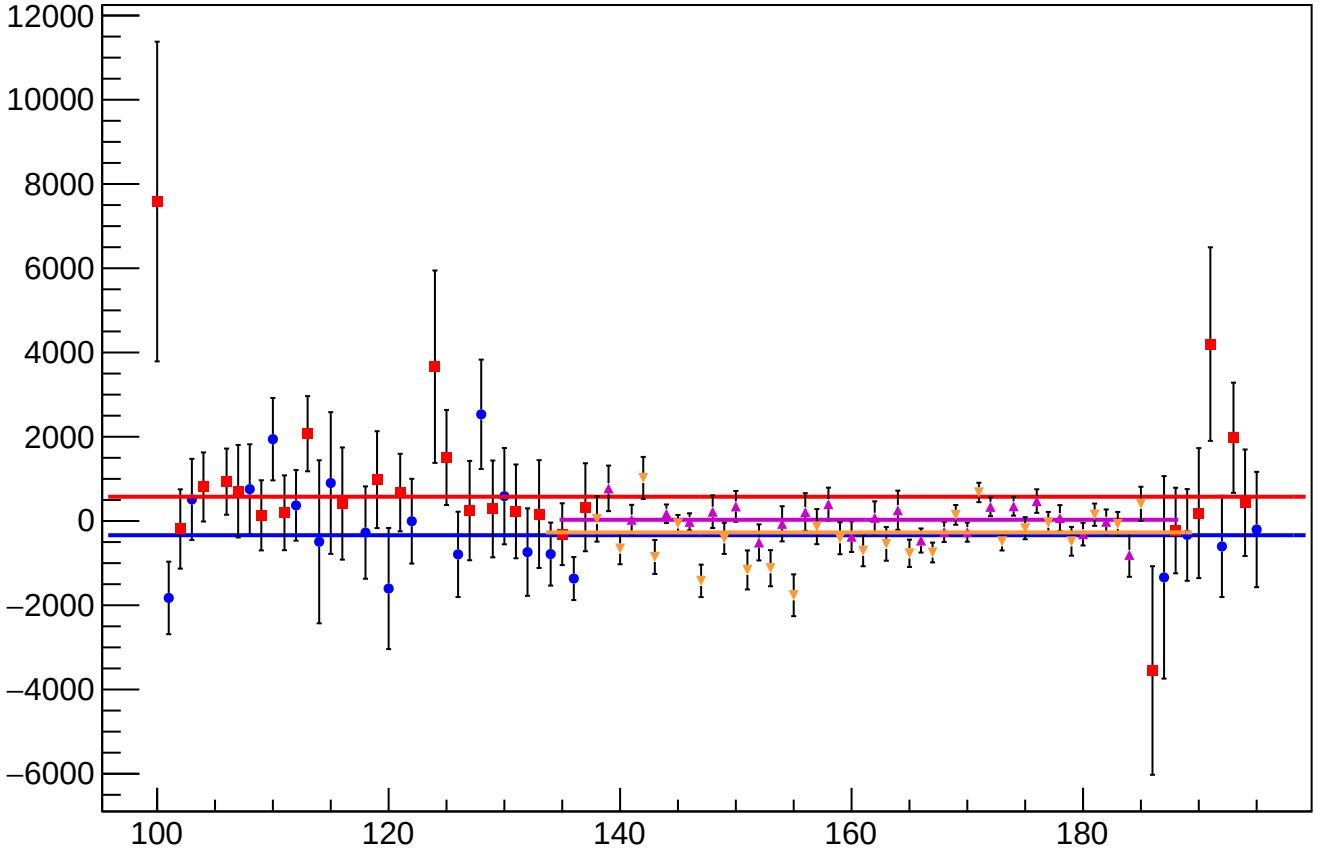
Right: 69.390+/-0.012 χ^2/NDF: 5713429.2/44

In: 51.207+/-0.007 χ^2/NDF:4399883.7/42

Out: 51.506+/-0.007 χ^2/NDF:5580054.7/49

All: 51.361+/-0.005 χ^2/NDF: 9980833.6/92

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -337.543+/-224.588 χ^2/NDF: 22.9/19

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 576.277+/-217.169 χ^2/NDF: 19.3/24

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

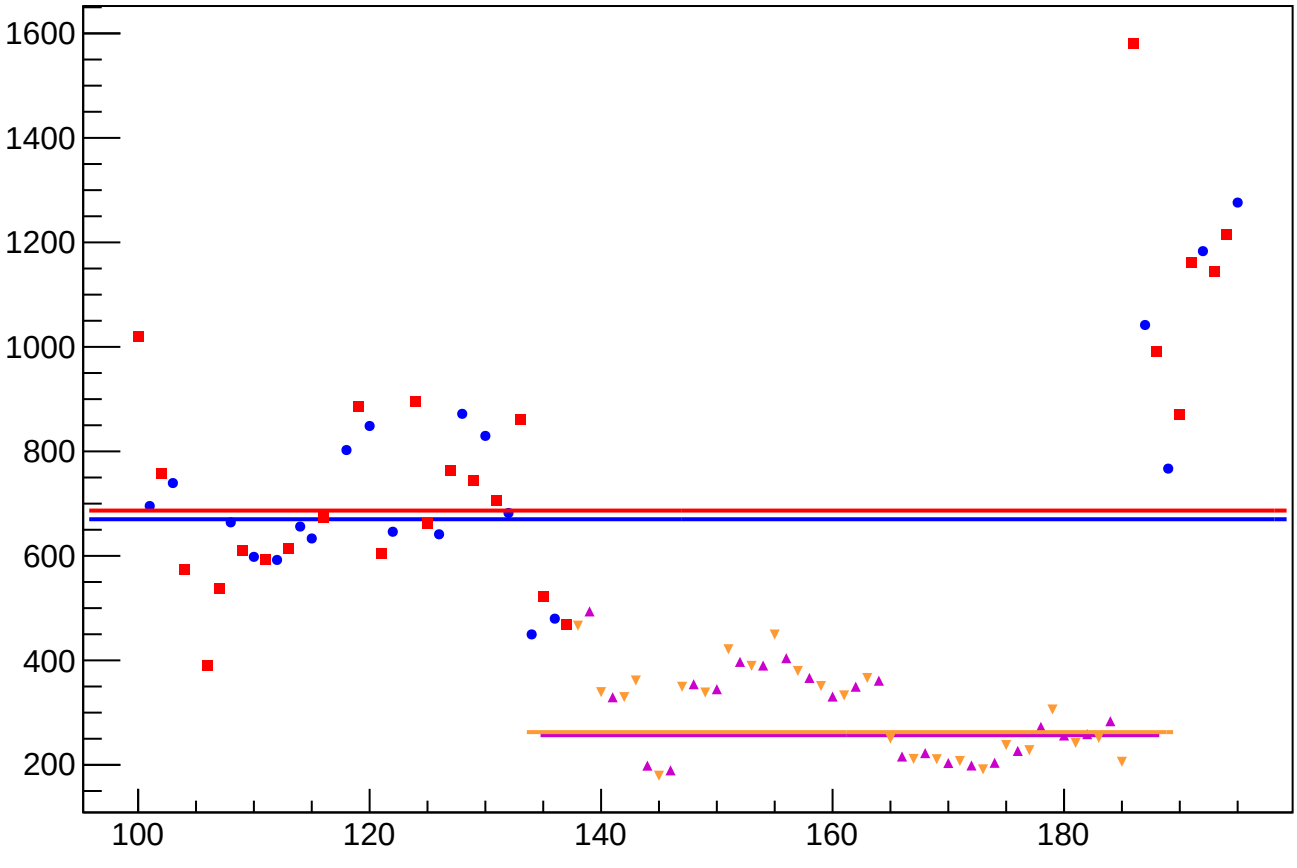
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 134.710+/-156.119 χ^2/NDF: 50.8/44

In: 2.708+/-60.364 χ^2/NDF:49.8/42

Out: -206.511+/-59.925 χ^2/NDF:107.3/49

All: -102.665+/-42.528 χ^2/NDF: 163.1/92



Right In: 670.105+/-0.159 χ^2/NDF: 1463545.1/19

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 686.718+/-0.154 χ^2/NDF: 1916172.8/24

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

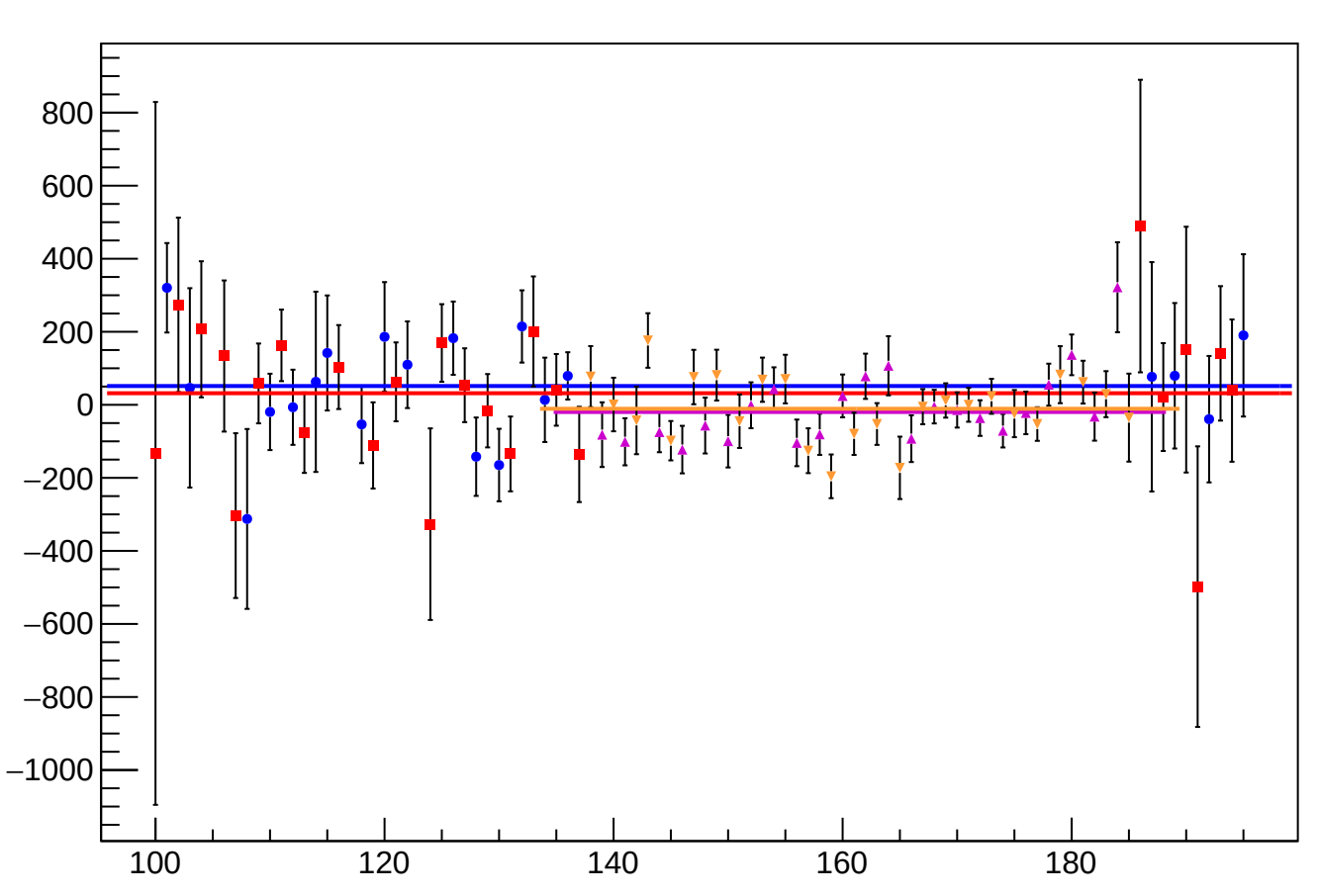
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 678.690+/-0.110 χ^2/NDF: 3385373.3/44

In: 286.697+/-0.043 χ^2/NDF:10385417.6/42

Out: 294.966+/-0.042 χ^2/NDF:11853953.4/49

All: 290.862+/-0.030 χ^2/NDF: 22258271.7/92



Right In: 51.437+/-27.357 χ^2/NDF: 23.6/19

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.752+/-27.524 χ^2/NDF: 22.2/24

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

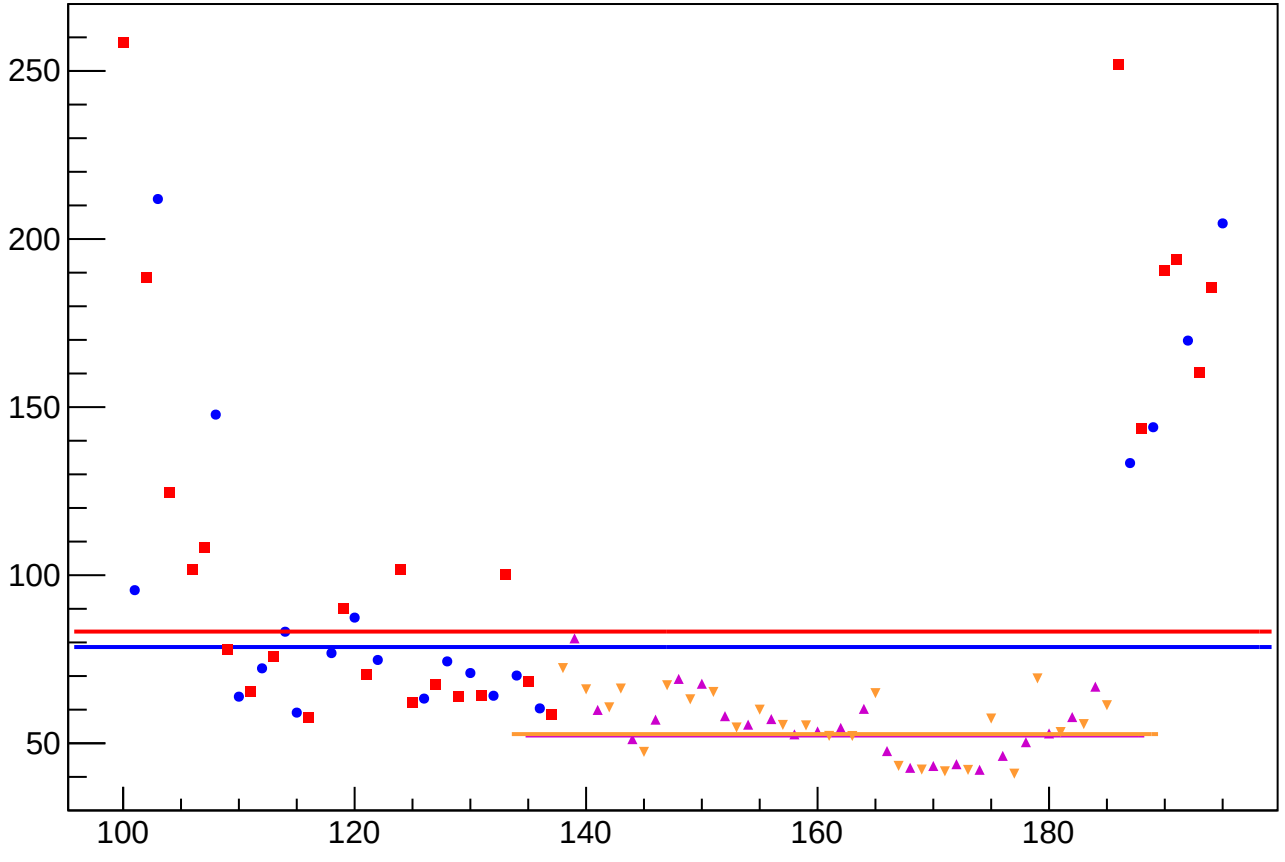
Right: 41.654+/-19.403 χ^2/NDF: 46.0/44

In: -7.254+/-11.404 χ^2/NDF:65.9/42

Out: -3.730+/-11.234 χ^2/NDF:64.6/49

All: -5.466+/-8.003 χ^2/NDF: 130.5/92

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 78.630+/-0.019 χ^2/NDF: 2509869.4/19

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 83.229+/-0.019 χ^2/NDF: 3197462.5/24

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

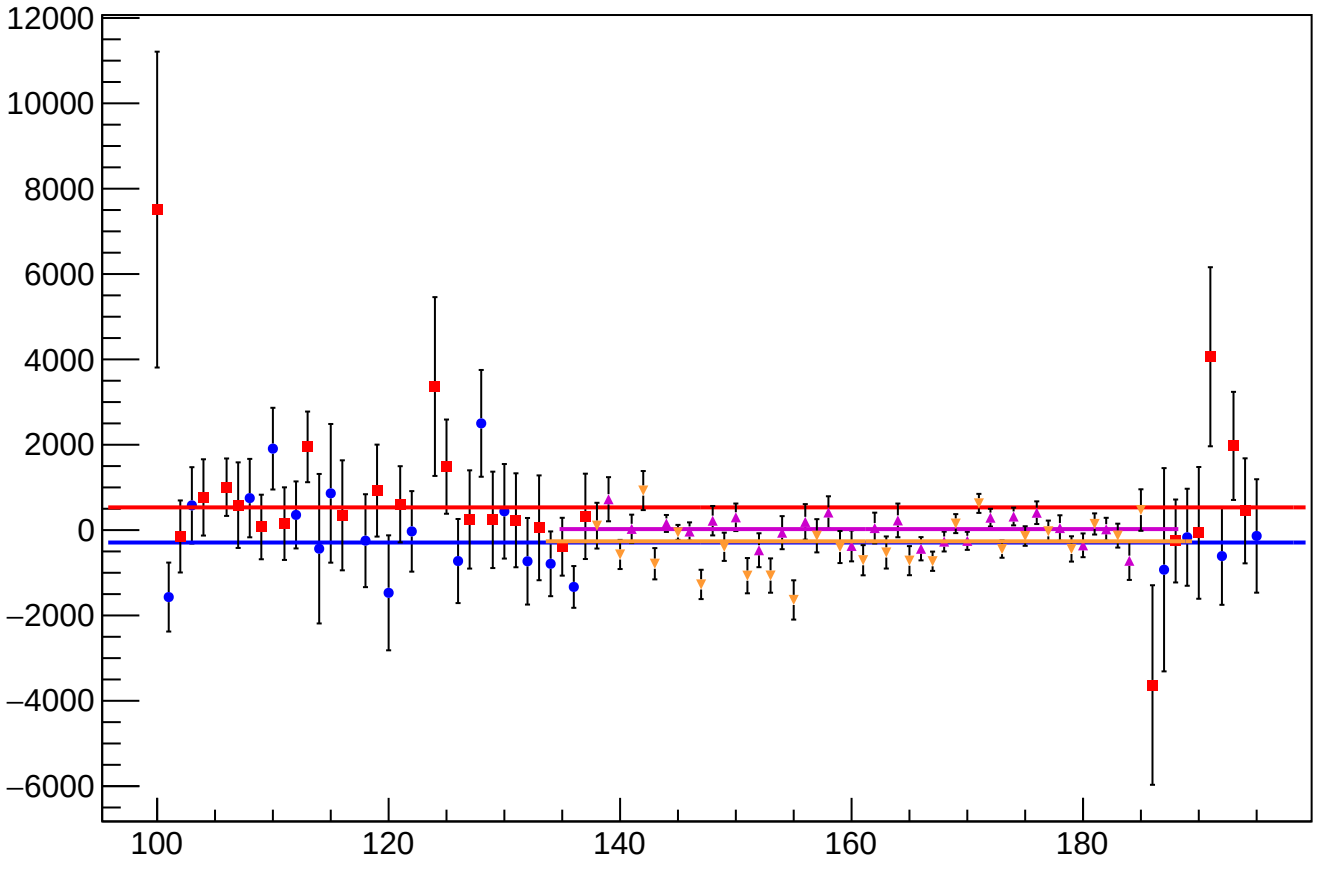
Right: 80.915+/-0.014 χ^2/NDF: 5735421.0/44

In: 56.886+/-0.008 χ^2/NDF:4930798.2/42

Out: 57.812+/-0.008 χ^2/NDF:6411155.1/49

All: 57.356+/-0.006 χ^2/NDF: 11348637.4/92

asym_sam_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -291.059+/-215.387 χ^2/NDF: 23.0/19

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 532.305+/-205.565 χ^2/NDF: 21.4/24

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

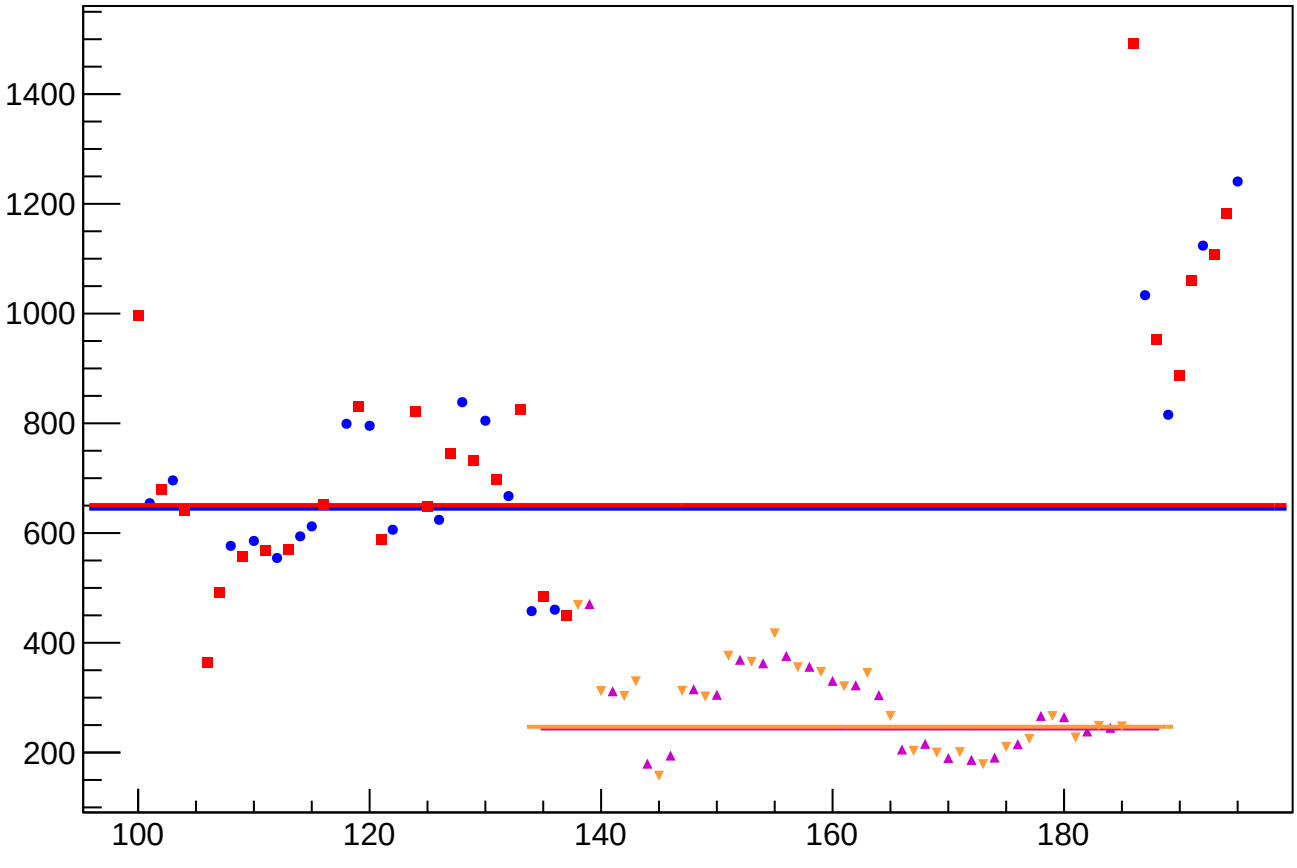
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 139.825+/-148.707 χ^2/NDF: 52.0/44

In: 1.241+/-57.259 χ^2/NDF:49.1/42

Out: -203.027+/-56.267 χ^2/NDF:107.4/49

All: -102.679+/-40.133 χ^2/NDF: 163.0/92



Right In: 644.464+/-0.152 χ^2/NDF: 1472830.4/19

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 651.018+/-0.145 χ^2/NDF: 2060910.3/24

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

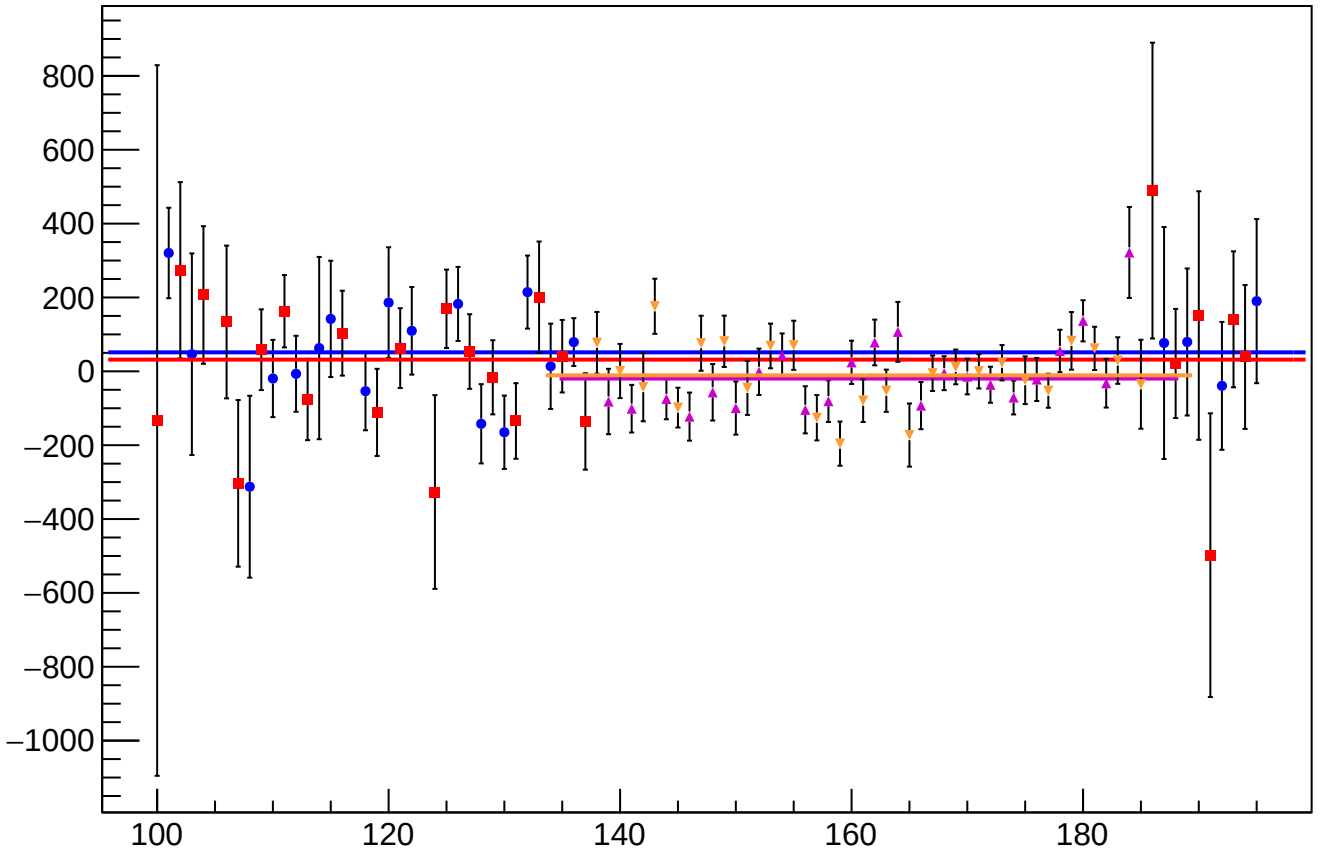
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 647.894+/-0.105 χ^2/NDF: 3534709.8/44

In: 272.139+/-0.040 χ^2/NDF:10394188.0/42

Out: 277.265+/-0.040 χ^2/NDF:12133610.0/49

All: 274.747+/-0.028 χ^2/NDF: 22535952.7/92



Right In: 51.436+/-27.357 χ^2/NDF: 23.6/19

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.751+/-27.524 χ^2/NDF: 22.2/24

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

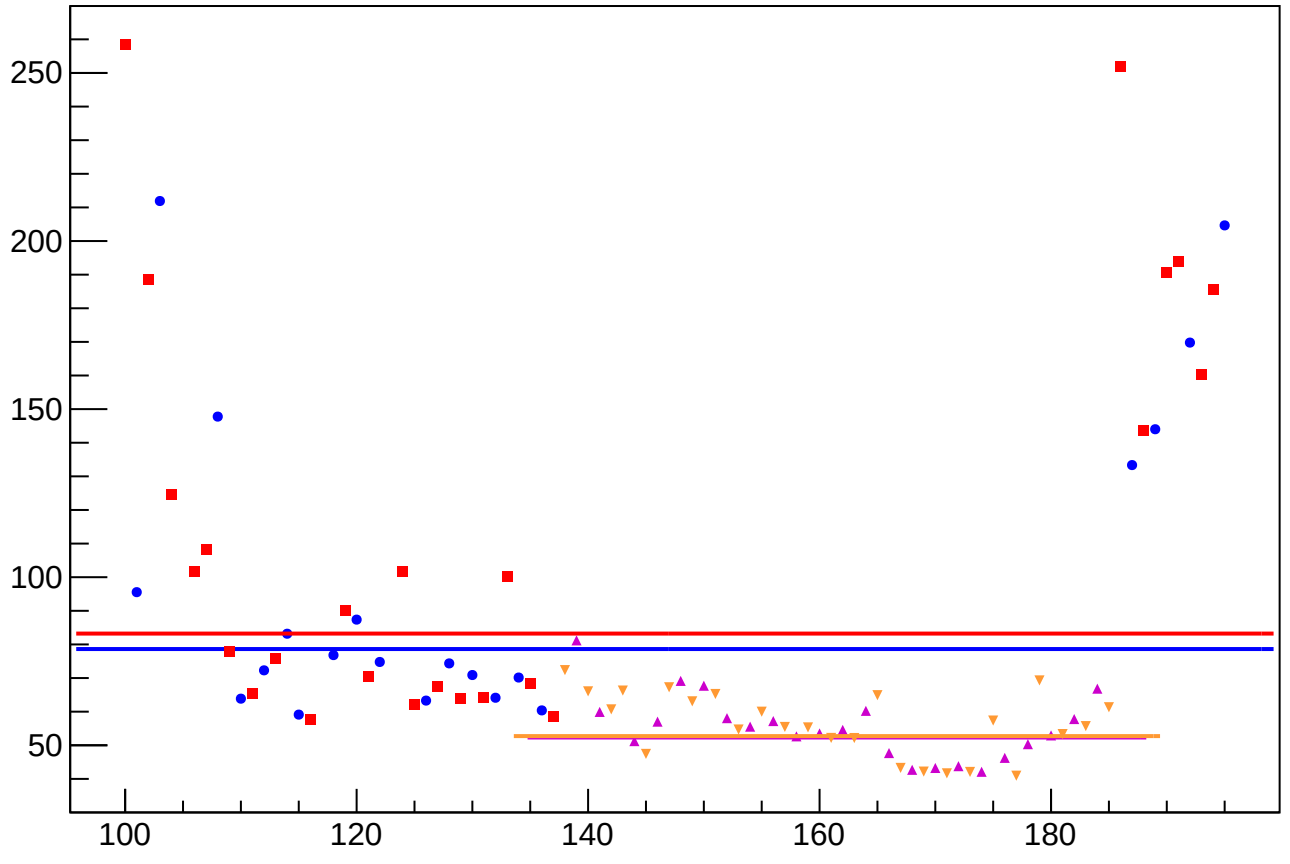
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 41.653+/-19.403 χ^2/NDF: 46.0/44

In: -7.255+/-11.404 χ^2/NDF:65.9/42

Out: -3.729+/-11.234 χ^2/NDF:64.6/49

All: -5.466+/-8.003 χ^2/NDF: 130.5/92



Right In: 78.630+/-0.019 χ^2/NDF: 2509887.8/19

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 83.229+/-0.019 χ^2/NDF: 3197464.5/24

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

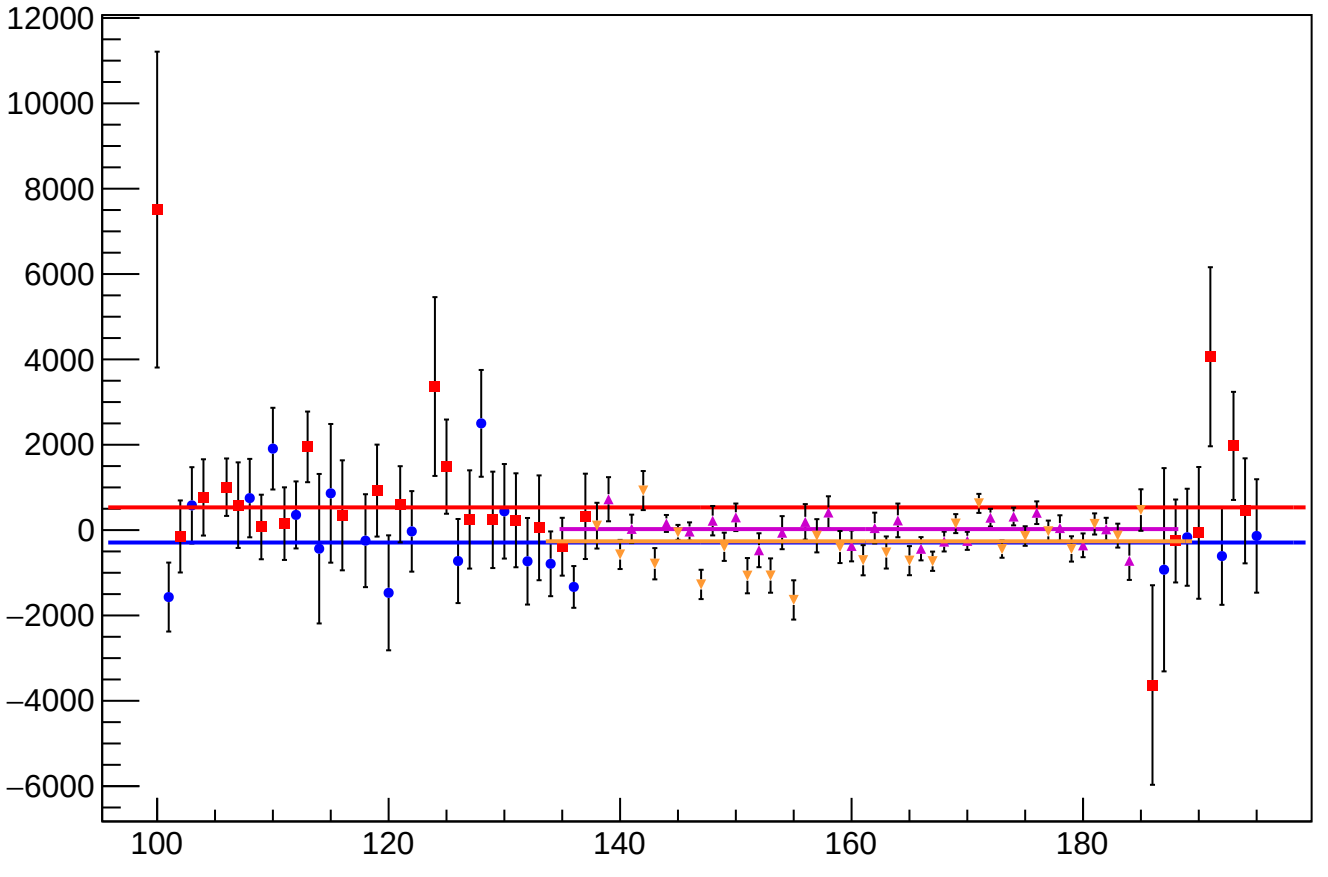
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 80.915+/-0.014 χ^2/NDF: 5735442.5/44

In: 56.887+/-0.008 χ^2/NDF:4930803.0/42

Out: 57.812+/-0.008 χ^2/NDF:6411166.5/49

All: 57.356+/-0.006 χ^2/NDF: 11348653.7/92



Right In: -291.059+/-215.387 χ^2/NDF: 23.0/19

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 532.305+/-205.564 χ^2/NDF: 21.4/24

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

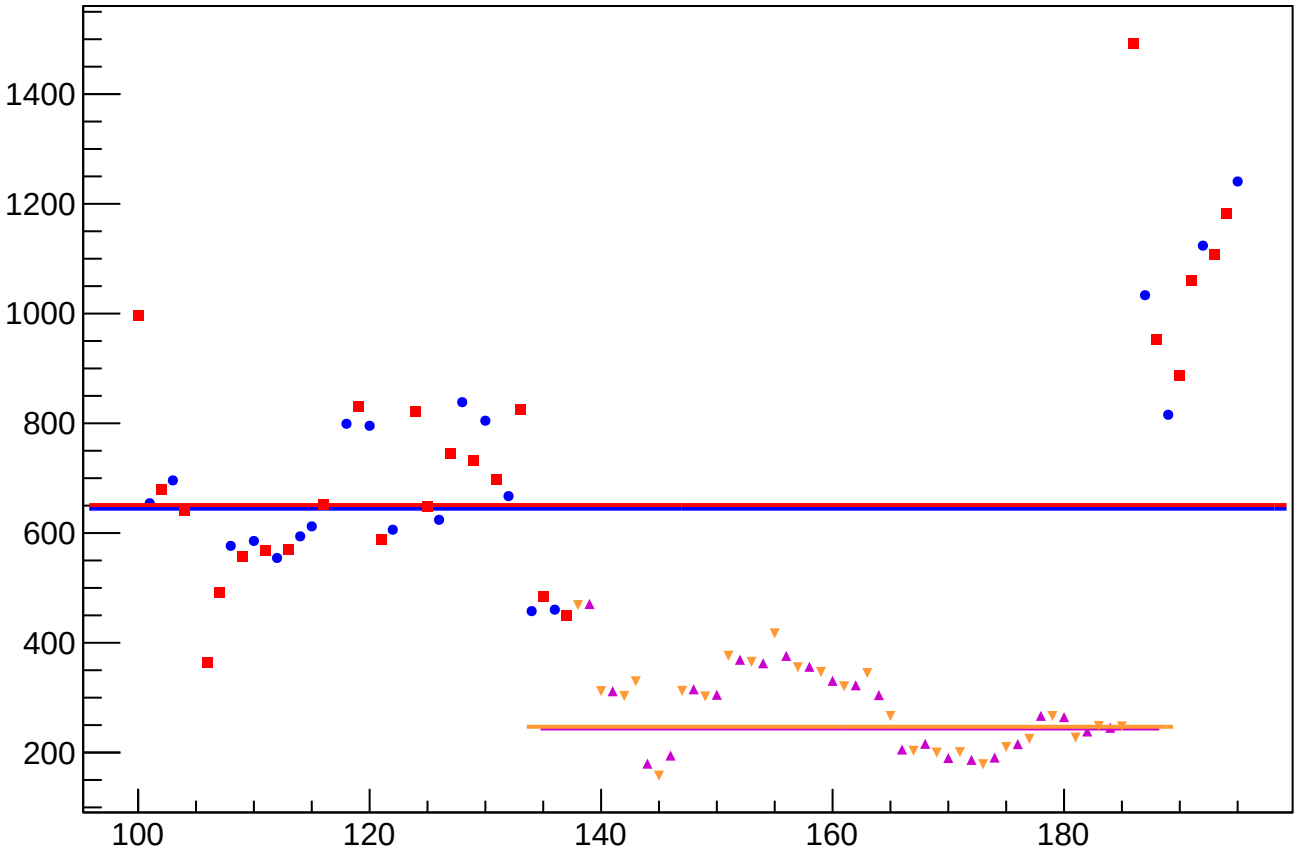
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 139.826+/-148.707 χ^2/NDF: 52.0/44

In: 1.240+/-57.259 χ^2/NDF:49.1/42

Out: -203.028+/-56.267 χ^2/NDF:107.4/49

All: -102.680+/-40.133 χ^2/NDF: 163.0/92



Right In: 644.465+/-0.152 χ^2/NDF: 1472820.6/19

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 651.018+/-0.145 χ^2/NDF: 2060902.3/24

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

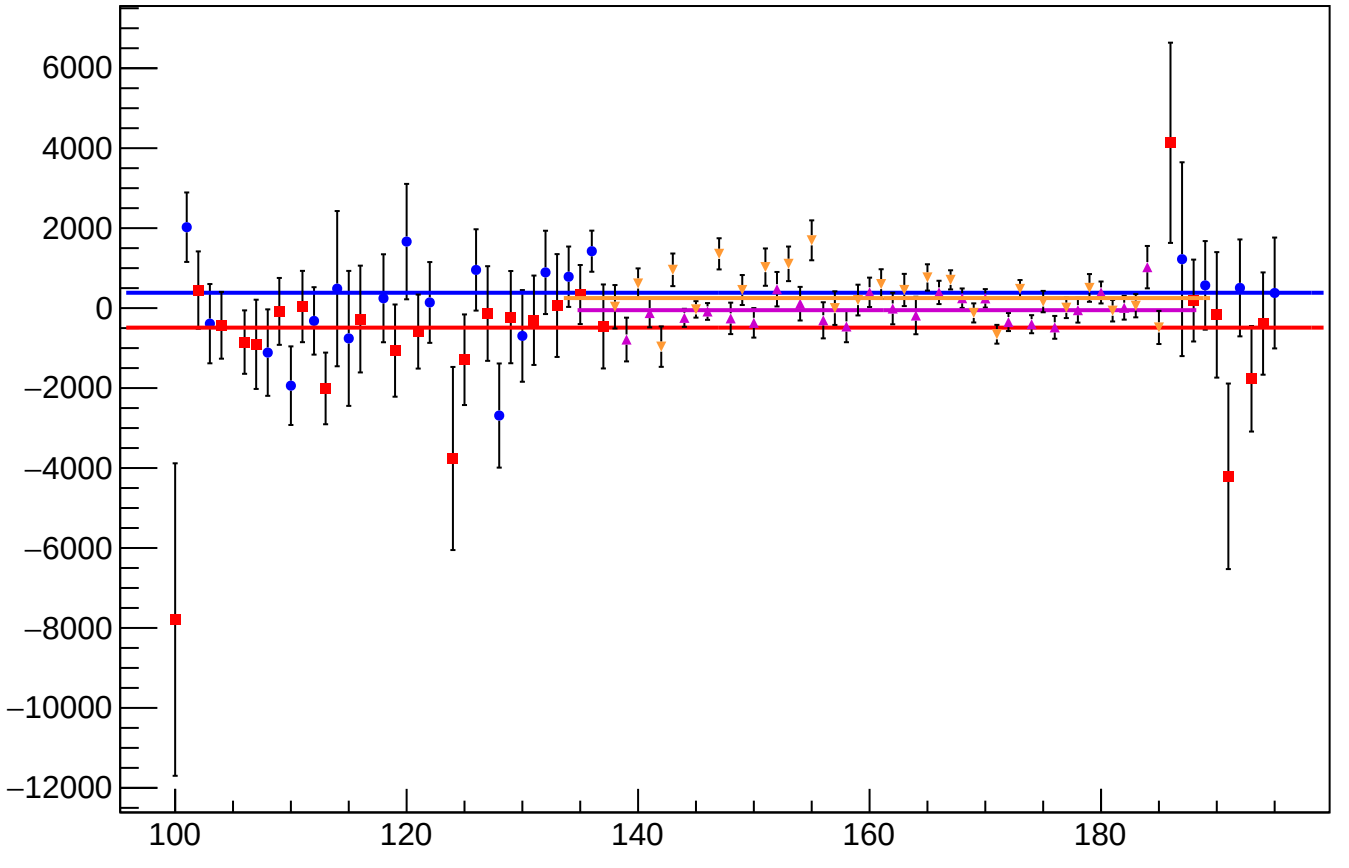
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 647.894+/-0.105 χ^2/NDF: 3534691.9/44

In: 272.139+/-0.040 χ^2/NDF:10394185.6/42

Out: 277.265+/-0.040 χ^2/NDF:12133590.5/49

All: 274.747+/-0.028 χ^2/NDF: 22535931.2/92



Right In: 383.942+/-226.436 χ^2/NDF: 25.2/19

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -488.302+/-219.051 χ^2/NDF: 20.1/24

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

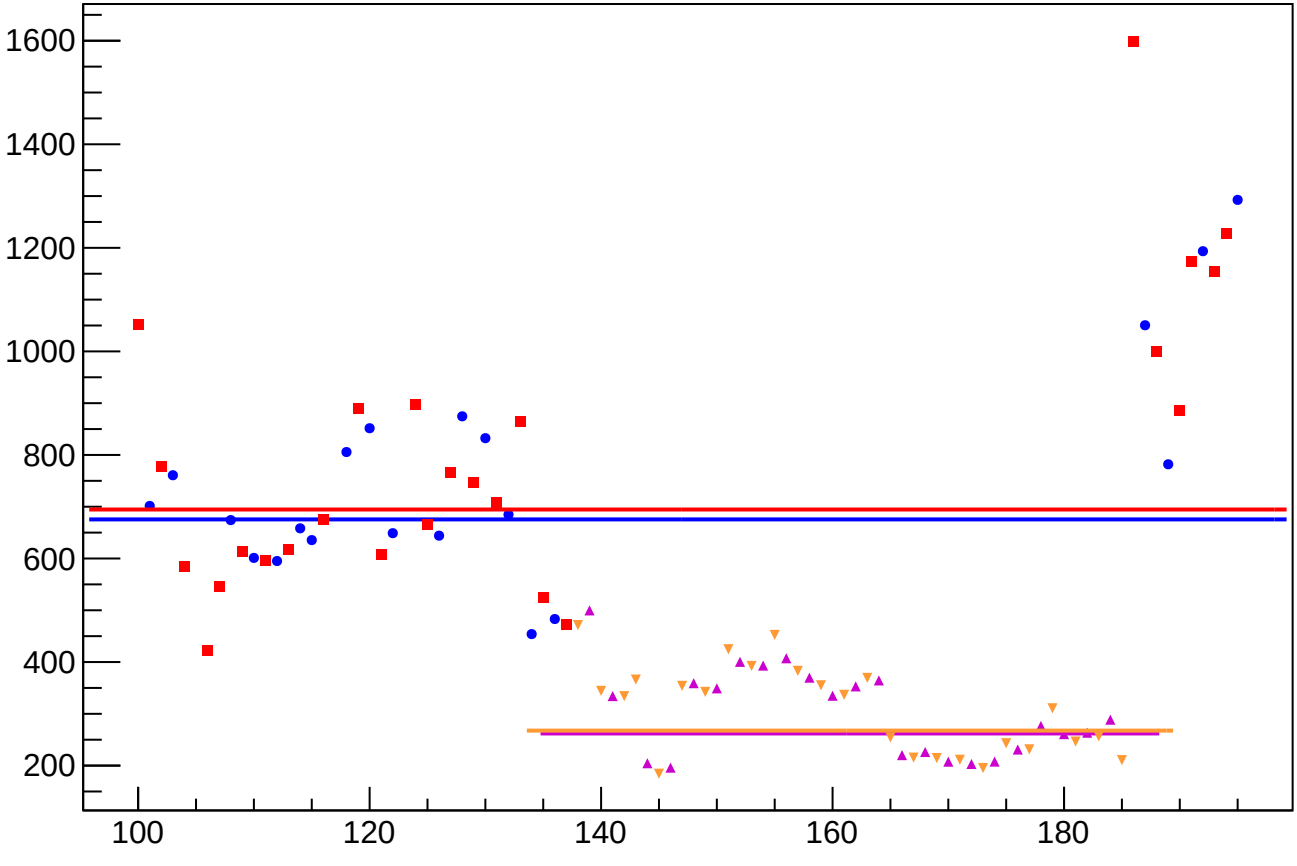
Right: -66.636+/-157.439 χ^2/NDF: 53.0/44

In: -19.626+/-61.447 χ^2/NDF:55.5/42

Out: 193.918+/-60.921 χ^2/NDF:98.1/49

All: 88.064+/-43.263 χ^2/NDF: 159.7/92

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 675.491+/-0.160 χ^2/NDF: 1473178.7/19

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 694.632+/-0.155 χ^2/NDF: 1872425.4/24

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

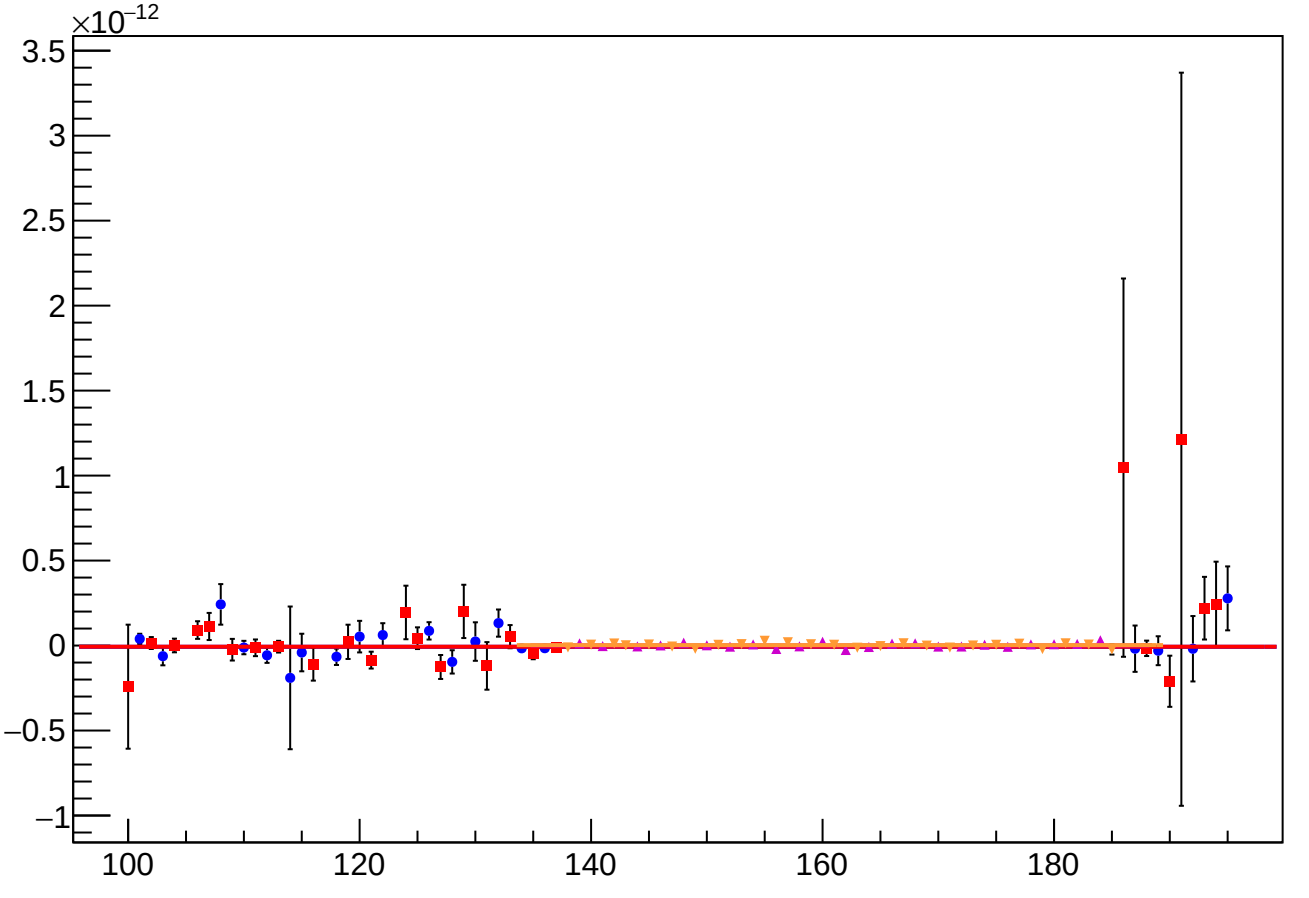
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 685.379+/-0.111 χ^2/NDF: 3352986.8/44

In: 292.535+/-0.043 χ^2/NDF:10185894.7/42

Out: 300.620+/-0.043 χ^2/NDF:11687140.4/49

All: 296.612+/-0.031 χ^2/NDF: 21890495.2/92



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

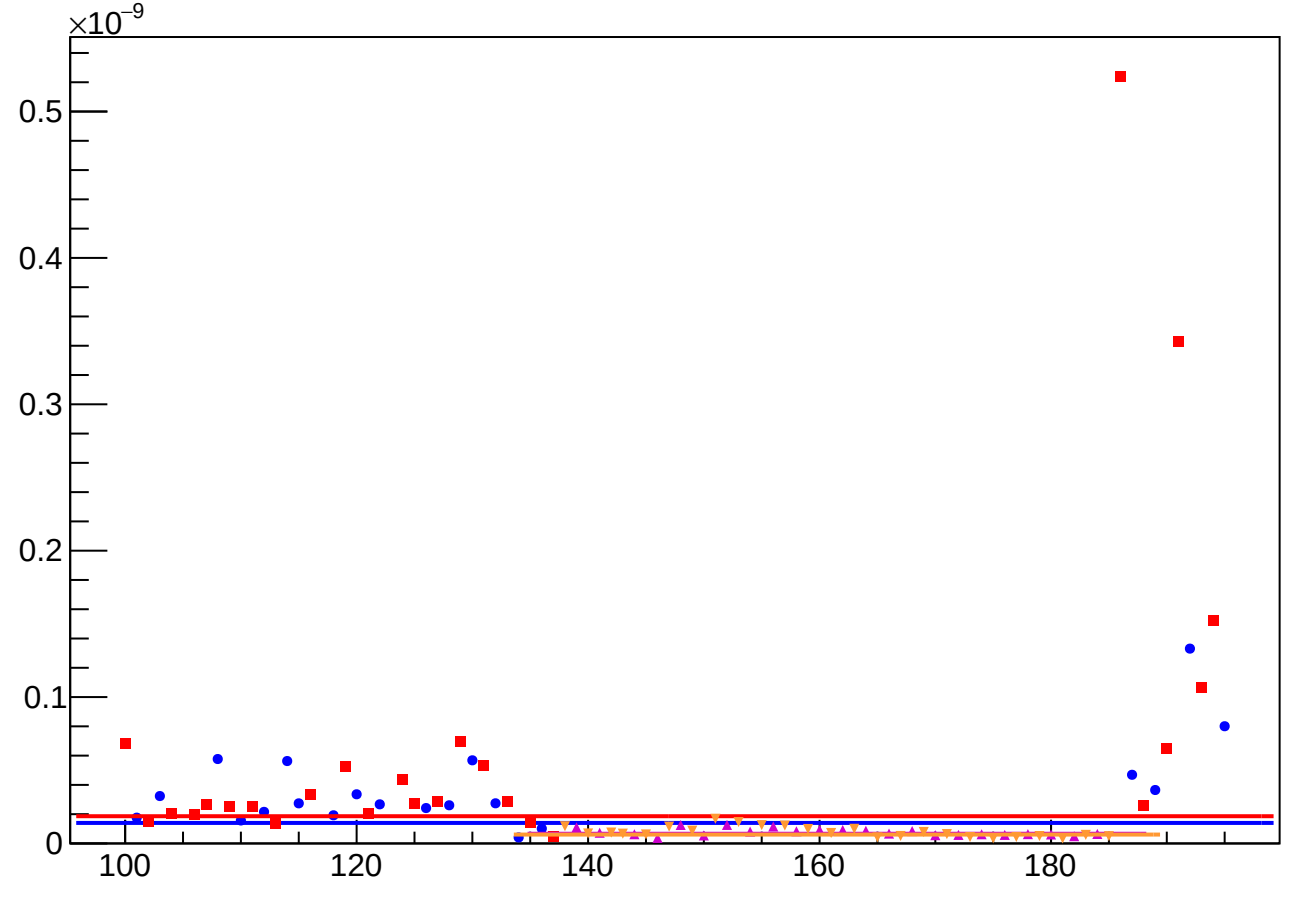
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 48.9/44

In: 0.000+/-0.000 χ^2/NDF:36.4/42

Out: 0.000+/-0.000 χ^2/NDF:41.5/49

All: 0.000+/-0.000 χ^2/NDF: 78.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 3369130.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3410641.7/24

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

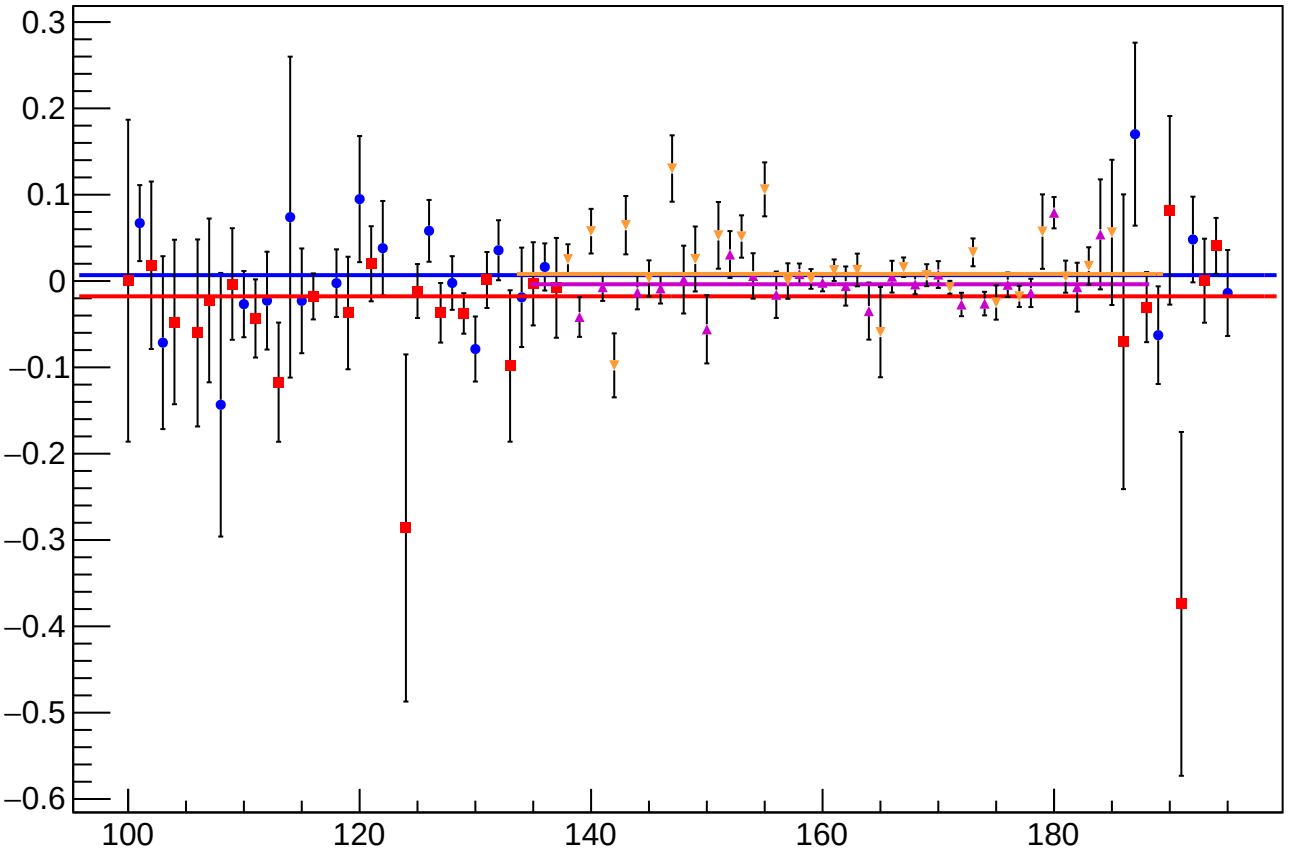
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 6980290.7/44

In: 0.000+/-0.000 χ^2/NDF:5721175.1/42

Out: 0.000+/-0.000 χ^2/NDF:8249094.8/49

All: 0.000+/-0.000 χ^2/NDF: 14017333.4/92



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/19

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.018+/-0.009 χ^2/NDF: 15.5/24

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

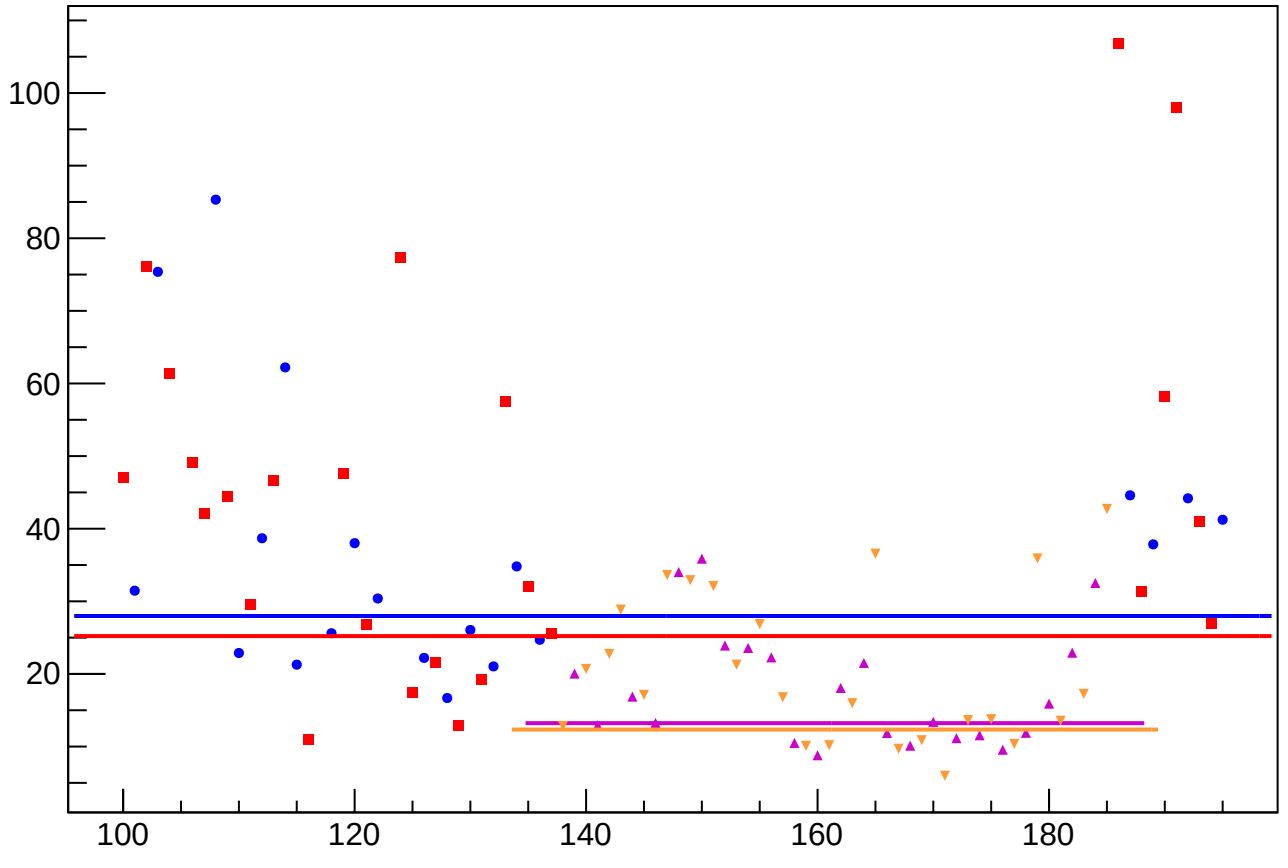
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.007+/-0.007 χ^2/NDF: 38.3/44

In: -0.003+/-0.003 χ^2/NDF:57.9/42

Out: 0.005+/-0.003 χ^2/NDF:80.9/49

All: 0.001+/-0.002 χ^2/NDF: 141.5/92



Right In: 27.981+/-0.007 χ^2/NDF: 1913847.3/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 25.212+/-0.007 χ^2/NDF: 4612273.6/24

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

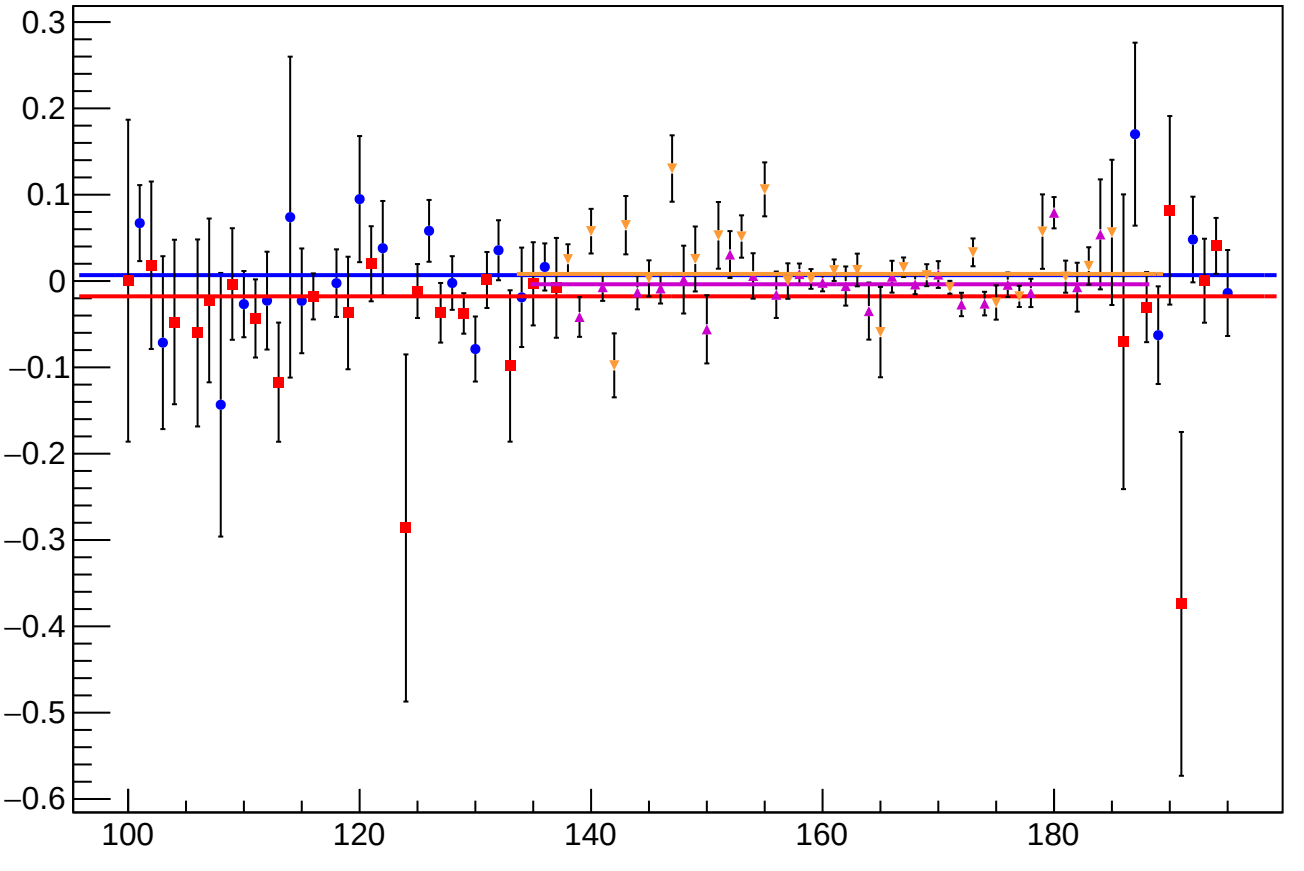
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 26.470+/-0.005 χ^2/NDF: 6604157.8/44

In: 14.843+/-0.002 χ^2/NDF:9400850.2/42

Out: 13.859+/-0.002 χ^2/NDF:14626742.6/49

All: 14.324+/-0.002 χ^2/NDF: 24114512.2/92



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/19

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.018+/-0.009 χ^2/NDF: 15.5/24

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

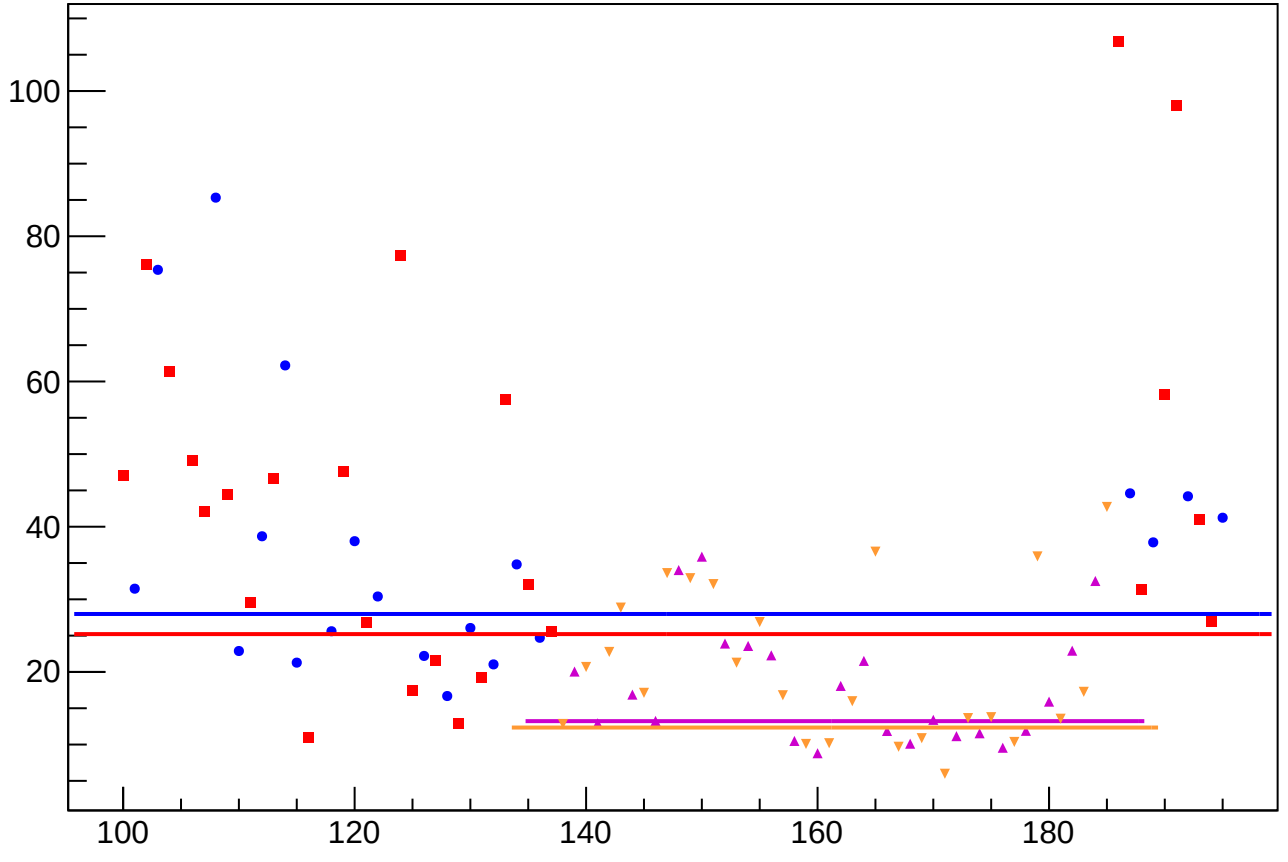
Right: -0.007+/-0.007 χ^2/NDF: 38.3/44

In: -0.003+/-0.003 χ^2/NDF:57.9/42

Out: 0.005+/-0.003 χ^2/NDF:80.9/49

All: 0.001+/-0.002 χ^2/NDF: 141.5/92

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.981+/-0.007 χ^2/NDF: 1913847.3/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 25.212+/-0.007 χ^2/NDF: 4612273.6/24

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

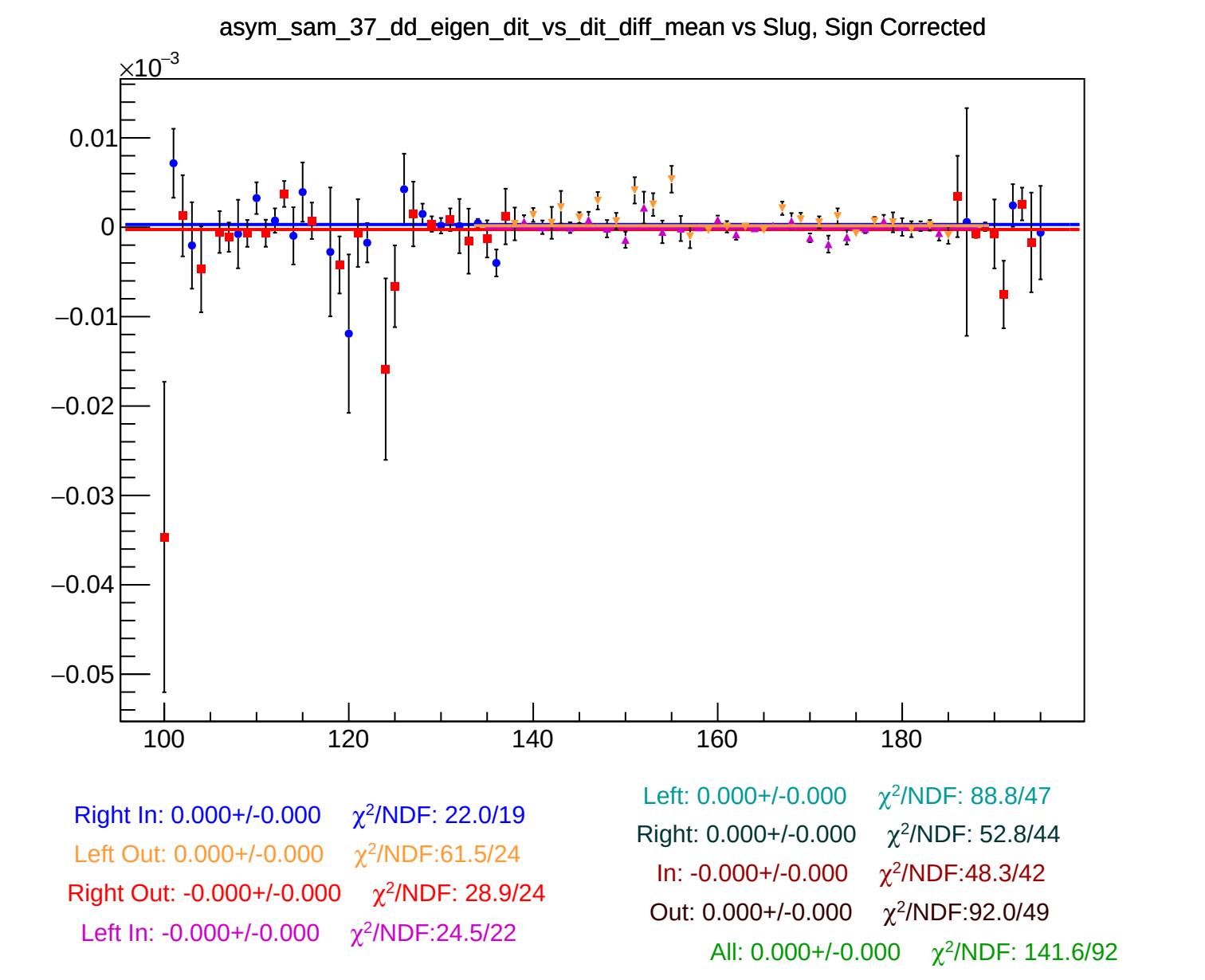
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

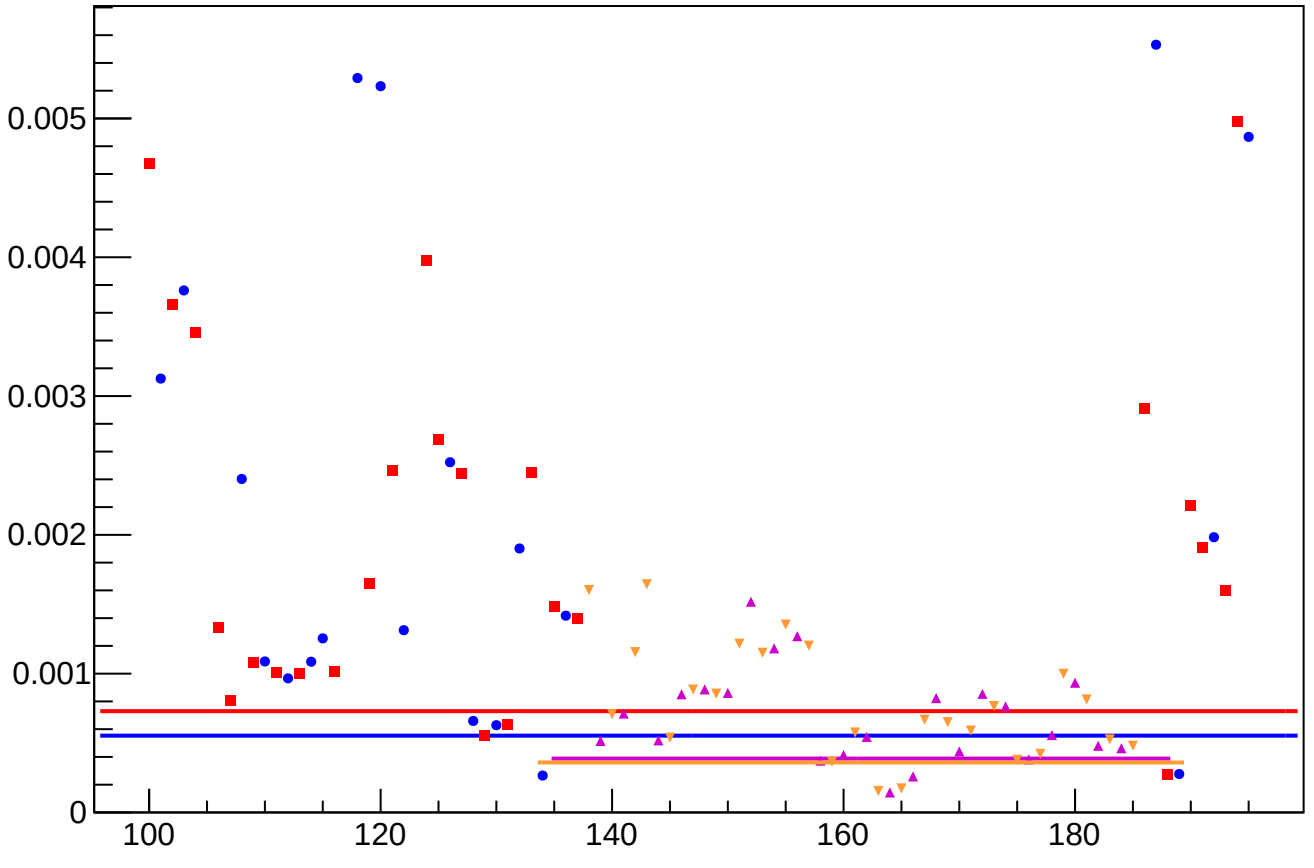
Right: 26.470+/-0.005 χ^2/NDF: 6604157.8/44

In: 14.843+/-0.002 χ^2/NDF:9400850.2/42

Out: 13.859+/-0.002 χ^2/NDF:14626742.6/49

All: 14.324+/-0.002 χ^2/NDF: 24114512.2/92


asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 22.0/19
Left Out: 0.000+/-0.000 χ²/NDF:61.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.9/24
Left In: -0.000+/-0.000 χ²/NDF:24.5/22
Left: 0.000+/-0.000 χ²/NDF: 88.8/47
Right: 0.000+/-0.000 χ²/NDF: 52.8/44
In: -0.000+/-0.000 χ²/NDF:48.3/42
Out: 0.000+/-0.000 χ²/NDF:92.0/49
All: 0.000+/-0.000 χ²/NDF: 141.6/92



Right In: 0.001+/-0.000 χ^2/NDF: 9785651.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8999126.3/24

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

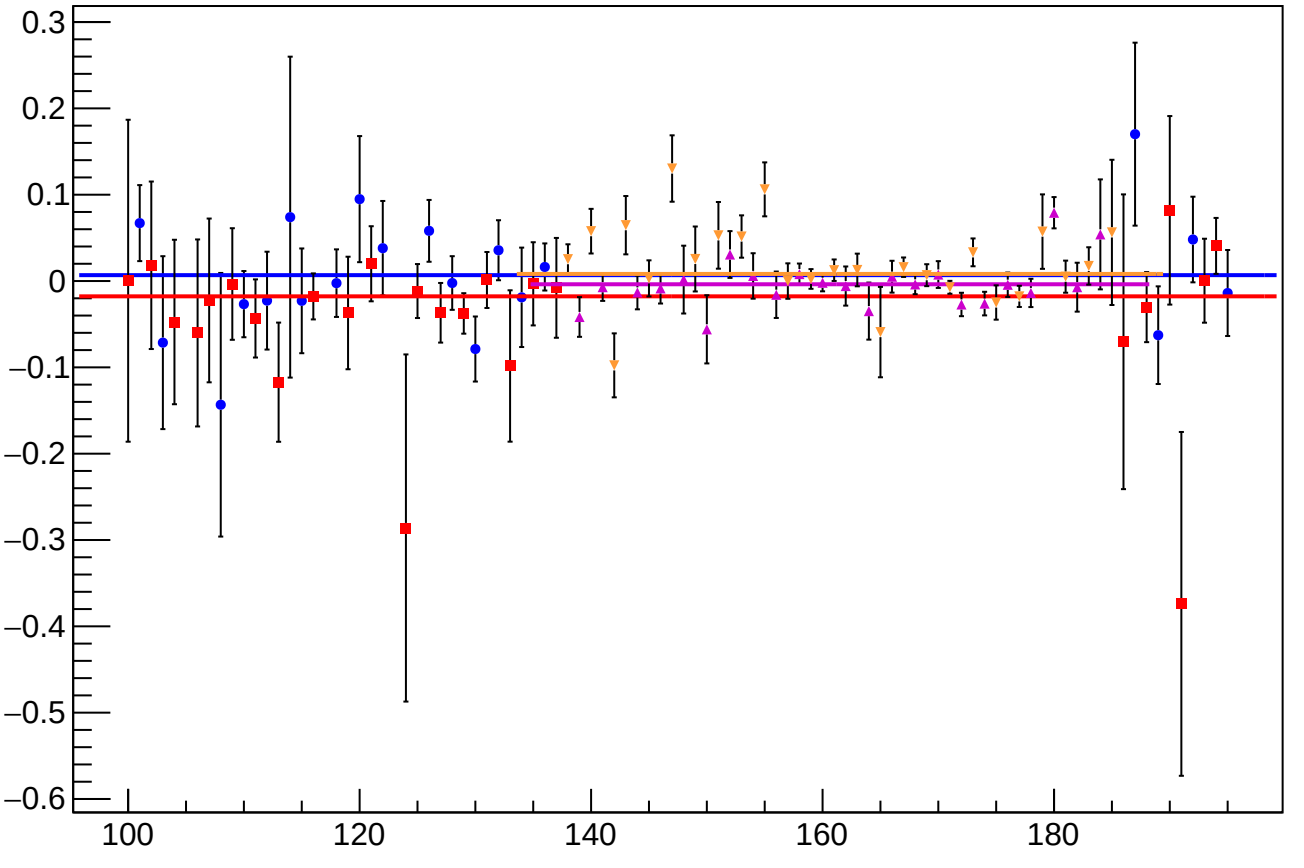
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 19141718.5/44

In: 0.000+/-0.000 χ^2/NDF:20868046.1/42

Out: 0.000+/-0.000 χ^2/NDF:25494342.3/49

All: 0.000+/-0.000 χ^2/NDF: 46383828.9/92



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/19

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.018+/-0.009 χ^2/NDF: 15.4/24

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

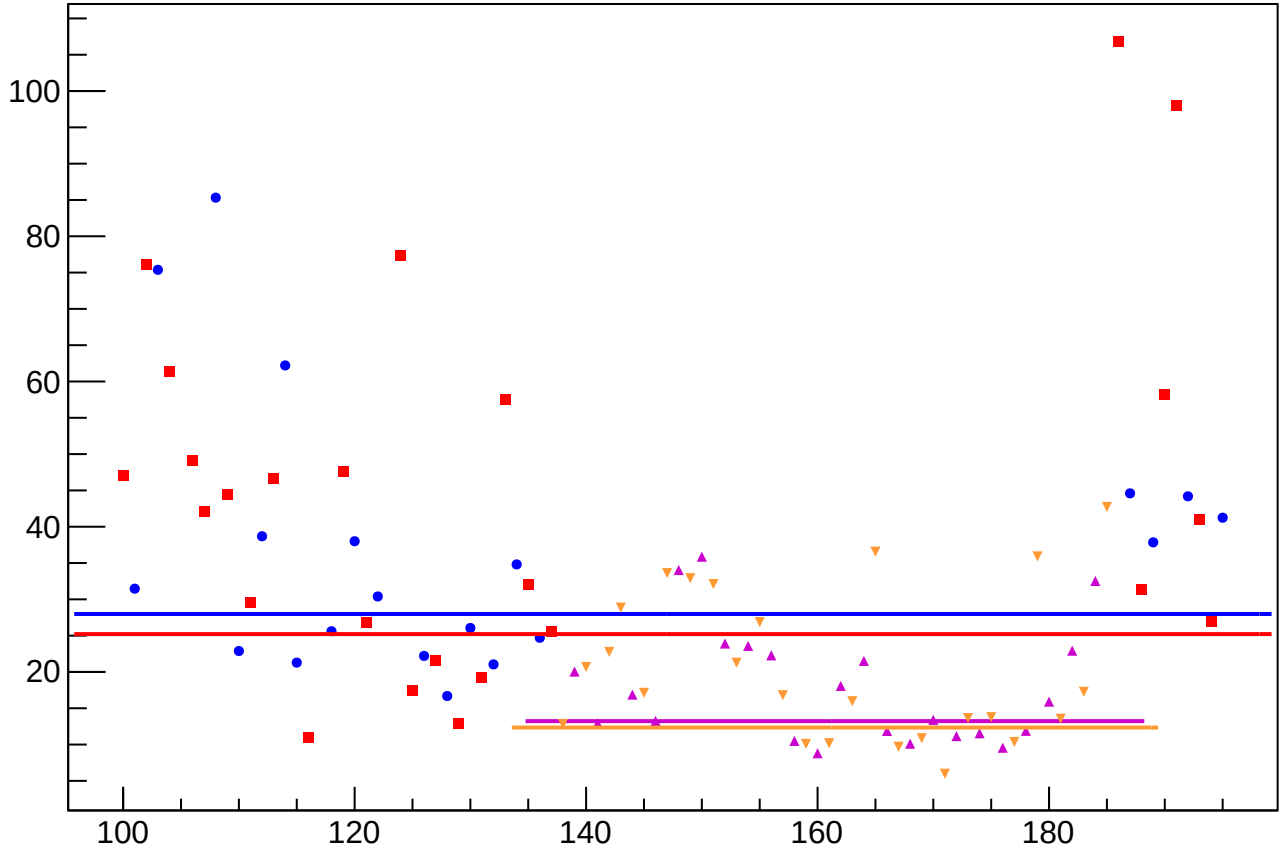
Right: -0.007+/-0.007 χ^2/NDF: 38.3/44

In: -0.003+/-0.003 χ^2/NDF:57.9/42

Out: 0.005+/-0.003 χ^2/NDF:80.9/49

All: 0.001+/-0.002 χ^2/NDF: 141.5/92

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.981+/-0.007 χ^2/NDF: 1913800.1/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 25.212+/-0.007 χ^2/NDF: 4612039.5/24

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

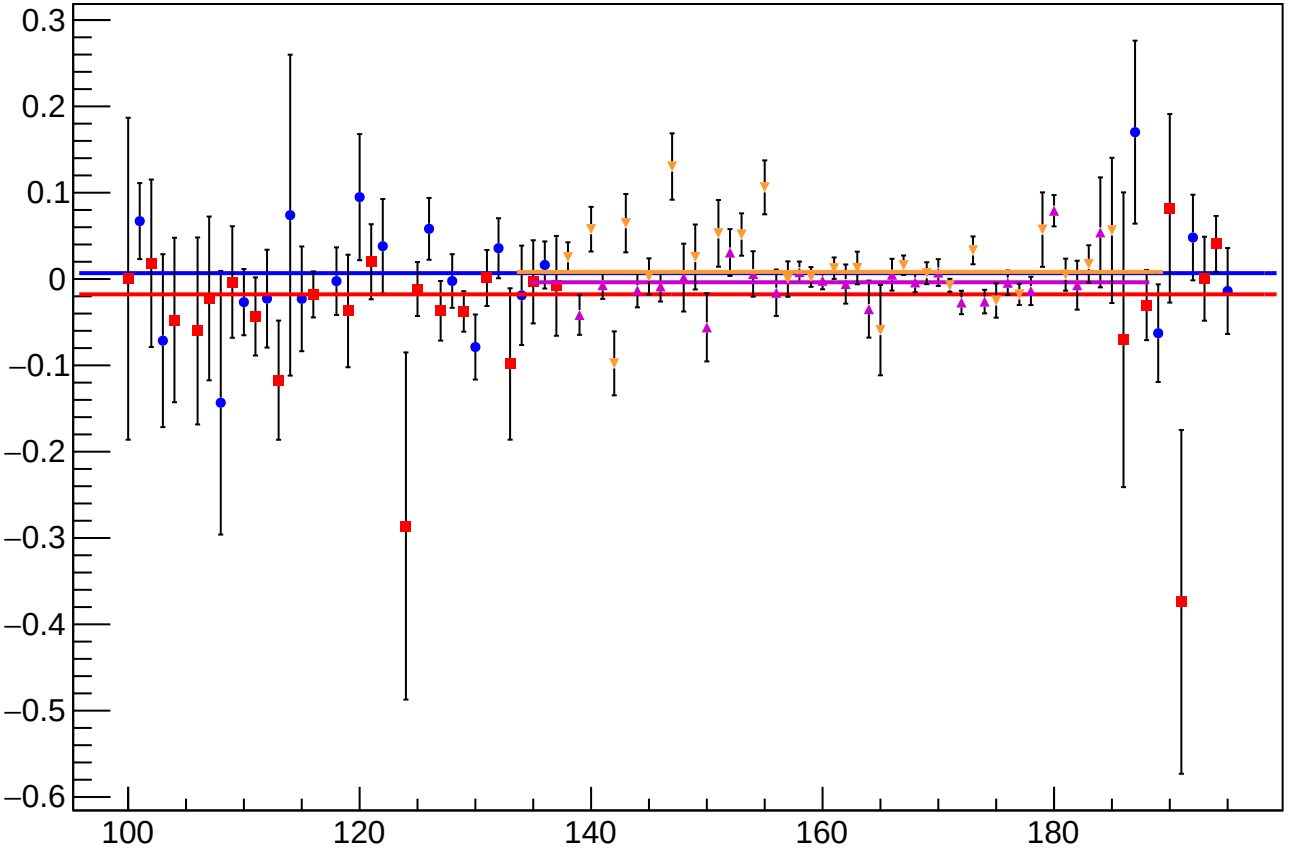
Right: 26.471+/-0.005 χ^2/NDF: 6603863.5/44

In: 14.843+/-0.002 χ^2/NDF:9401051.2/42

Out: 13.859+/-0.002 χ^2/NDF:14626890.2/49

All: 14.324+/-0.002 χ^2/NDF: 24114849.7/92

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/19

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.018+/-0.009 χ^2/NDF: 15.4/24

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

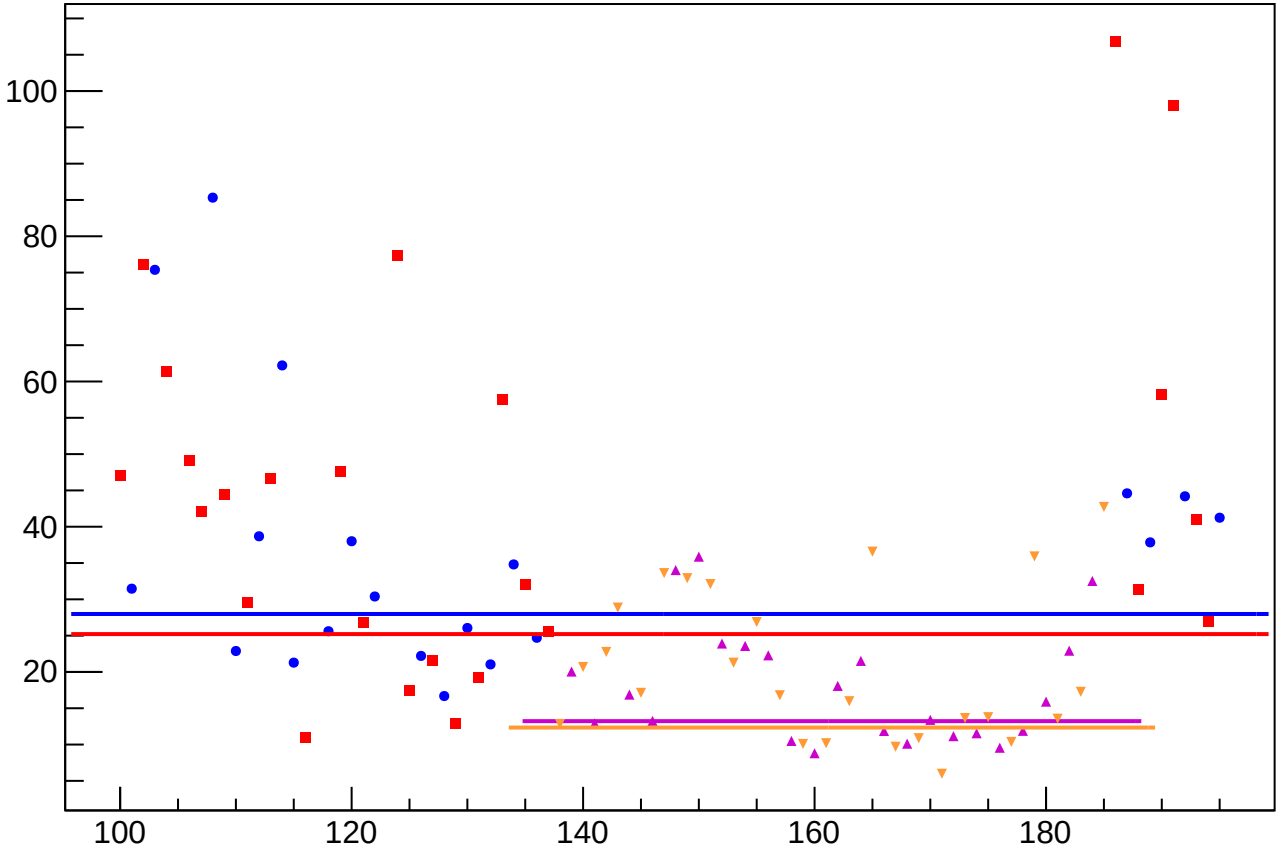
Right: -0.007+/-0.007 χ^2/NDF: 38.3/44

In: -0.003+/-0.003 χ^2/NDF:57.9/42

Out: 0.005+/-0.003 χ^2/NDF:80.9/49

All: 0.001+/-0.002 χ^2/NDF: 141.5/92

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.981+/-0.007 χ^2/NDF: 1913800.1/19

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 25.212+/-0.007 χ^2/NDF: 4612039.5/24

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

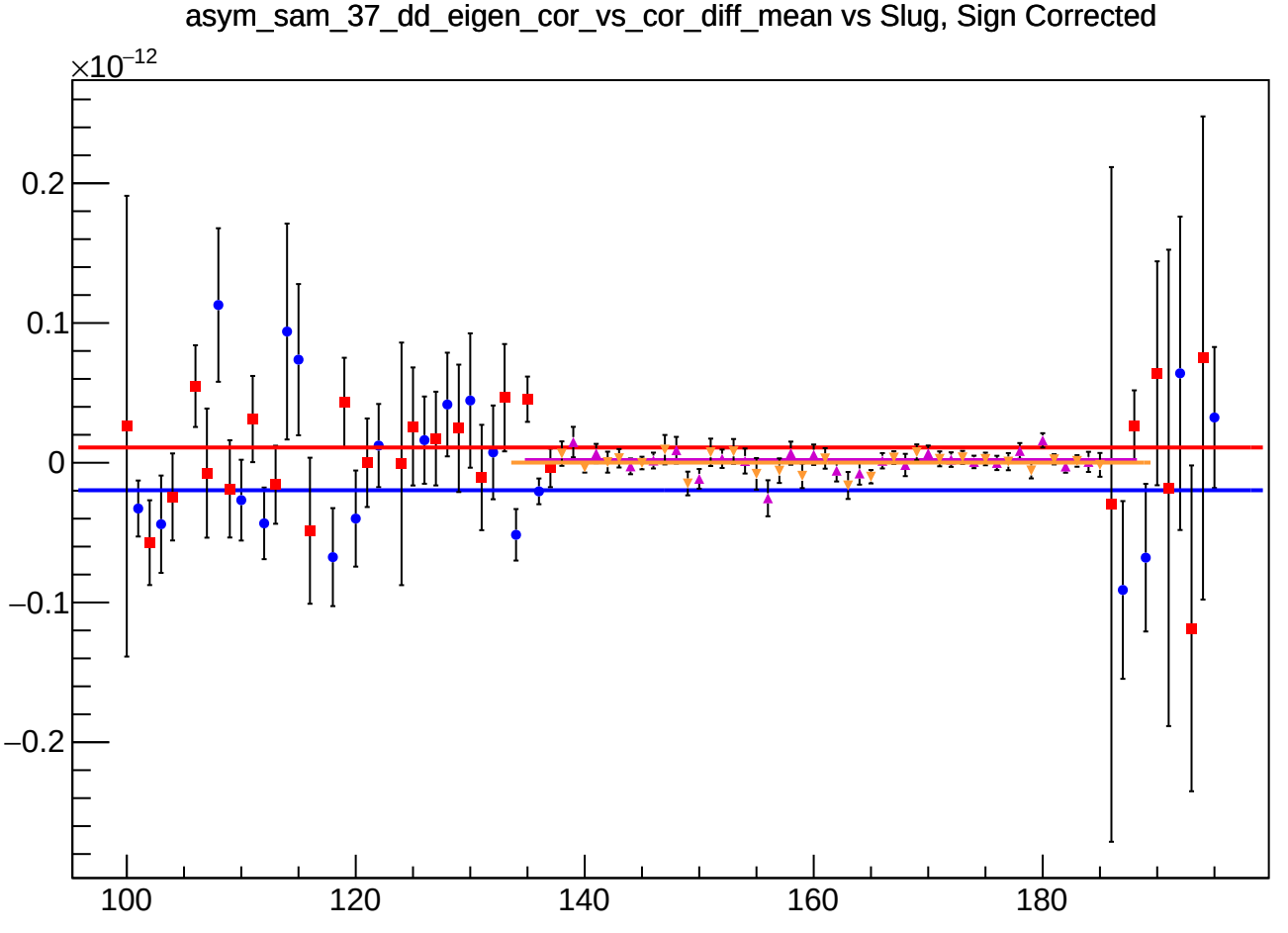
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

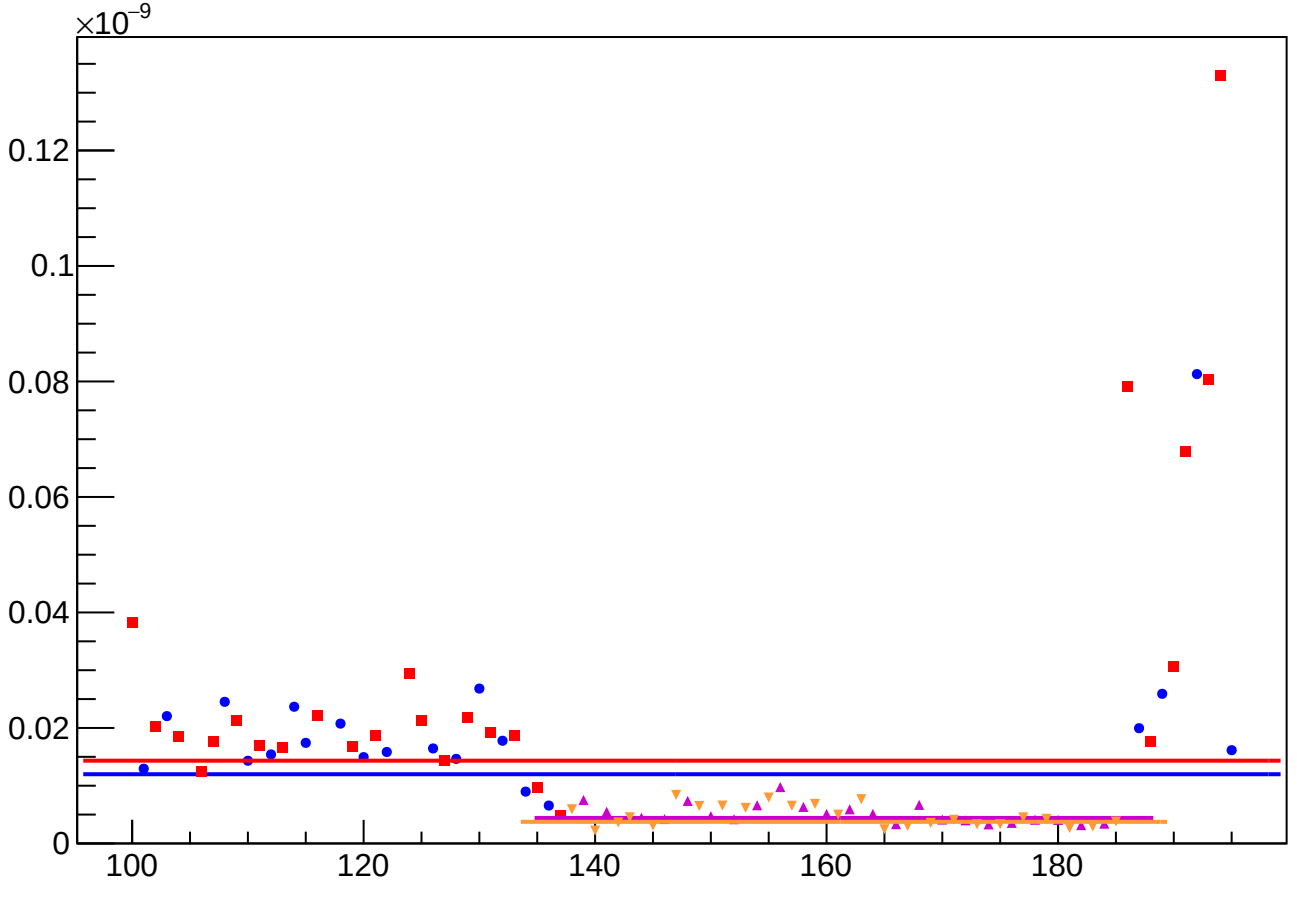
Right: 26.471+/-0.005 χ^2/NDF: 6603863.5/44

In: 14.843+/-0.002 χ^2/NDF:9401051.2/42

Out: 13.859+/-0.002 χ^2/NDF:14626890.2/49

All: 14.324+/-0.002 χ^2/NDF: 24114849.7/92


asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 29.4/19
Left Out: 0.000+/-0.000 χ²/NDF:21.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.6/24
Left In: 0.000+/-0.000 χ²/NDF:25.4/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: -0.000+/-0.000 χ²/NDF: 64.1/44
In: 0.000+/-0.000 χ²/NDF:67.5/42
Out: 0.000+/-0.000 χ²/NDF:46.8/49
All: 0.000+/-0.000 χ²/NDF: 114.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 2560600.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3750757.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

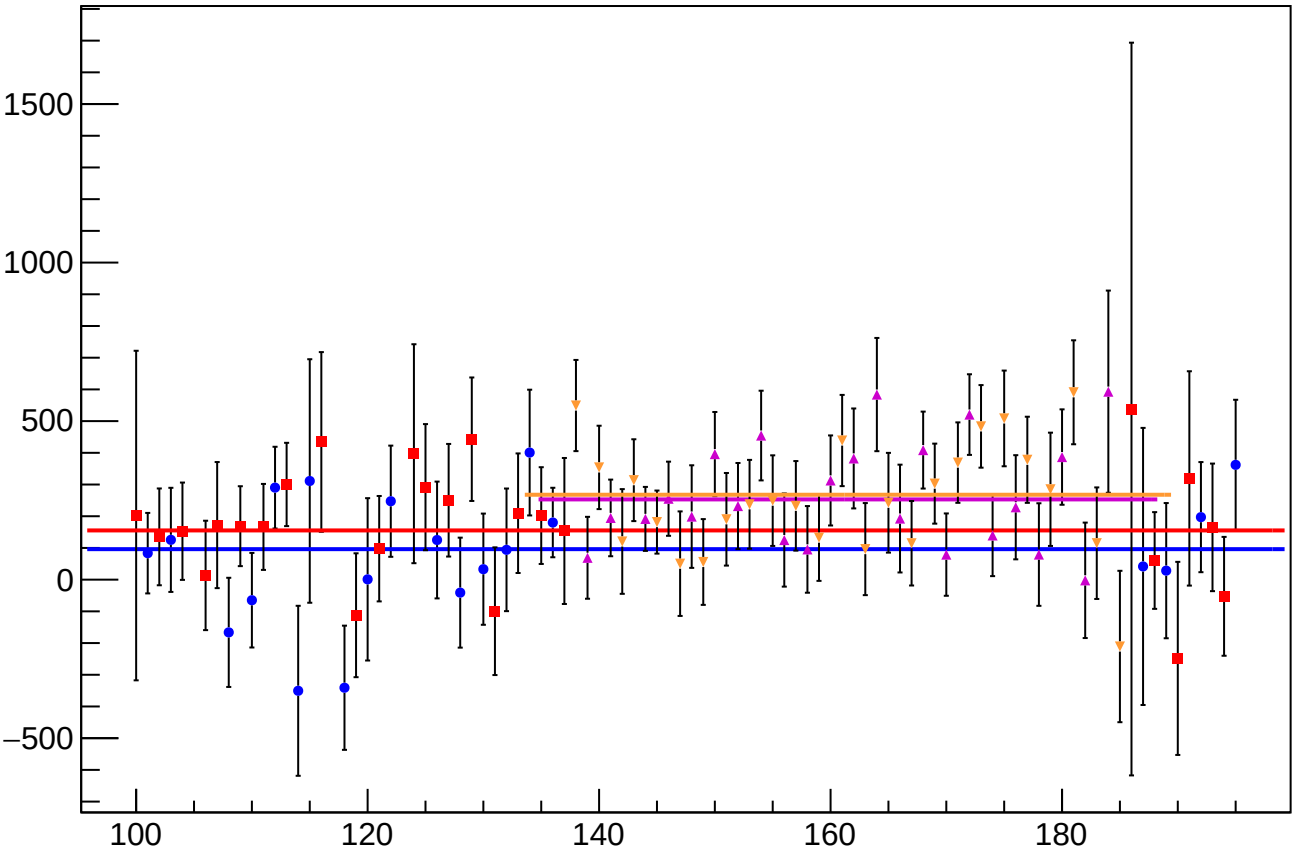
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6453824.7/44

In: 0.000+/-0.000 χ^2/NDF:7416746.8/42

Out: 0.000+/-0.000 χ^2/NDF:11964955.4/49

All: 0.000+/-0.000 χ^2/NDF: 19715048.1/92



Right In: 96.189+/-39.300 χ^2/NDF: 20.6/19

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 155.244+/-37.244 χ^2/NDF: 13.8/24

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

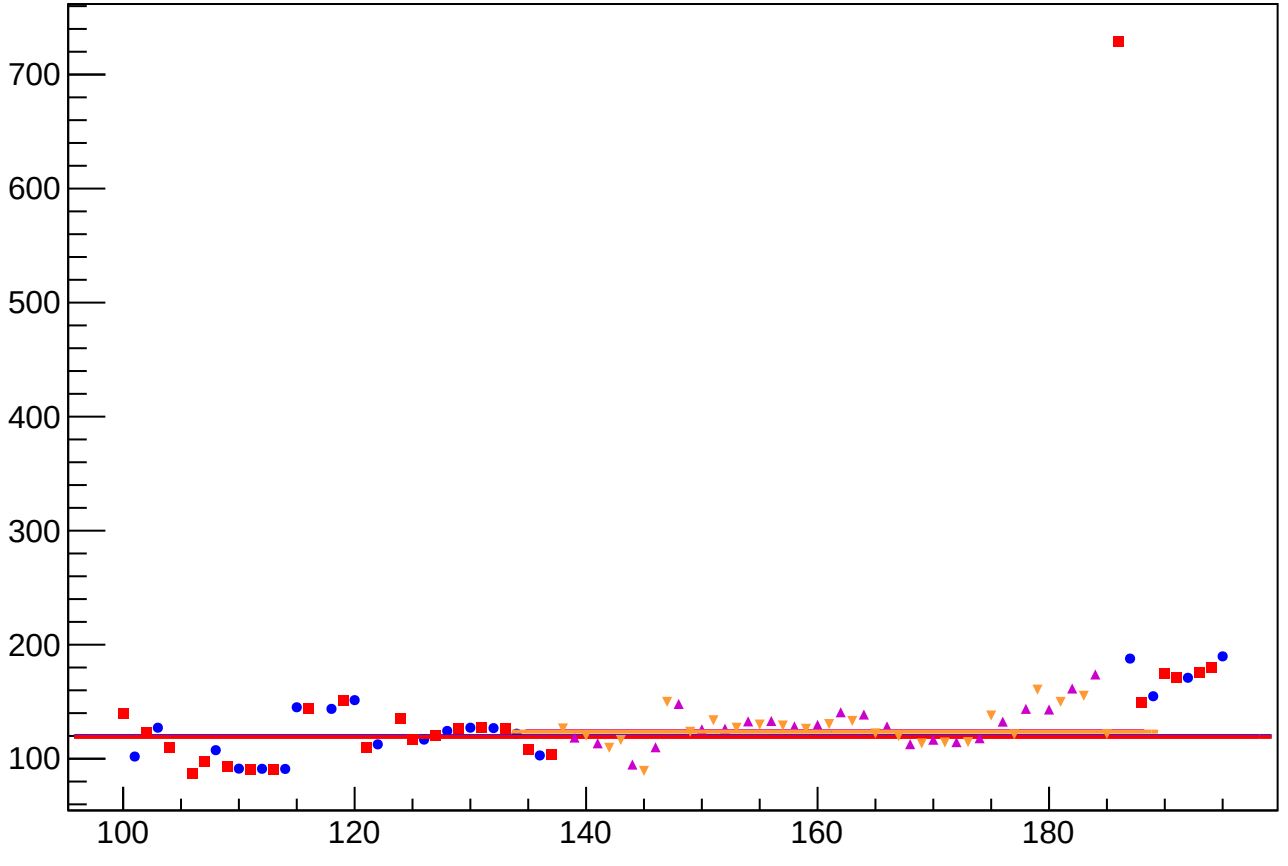
Right: 127.302+/-27.033 χ^2/NDF: 35.6/44

In: 196.977+/-23.497 χ^2/NDF:57.0/42

Out: 226.390+/-22.587 χ^2/NDF:50.6/49

All: 212.264+/-16.284 χ^2/NDF: 108.5/92

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.820+/-0.028 χ^2/NDF: 885603.3/19

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 119.143+/-0.026 χ^2/NDF: 1598932.5/24

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

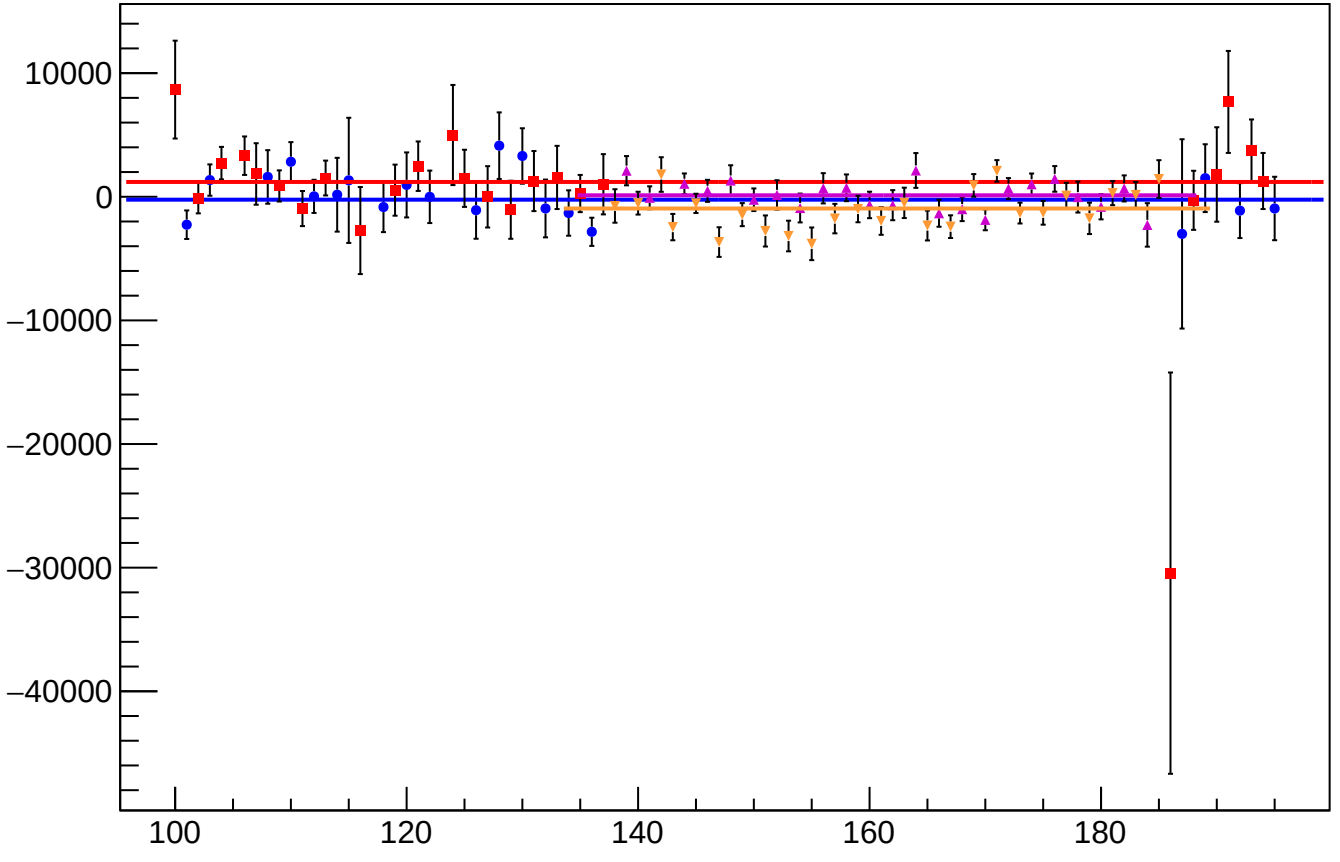
Right: 119.463+/-0.019 χ^2/NDF: 2484848.0/44

In: 122.672+/-0.017 χ^2/NDF:1459212.5/42

Out: 122.092+/-0.016 χ^2/NDF:2217205.6/49

All: 122.371+/-0.012 χ^2/NDF: 3677051.8/92

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -234.743+/-423.396 χ^2/NDF: 21.2/19

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1198.803+/-400.020 χ^2/NDF: 22.3/24

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

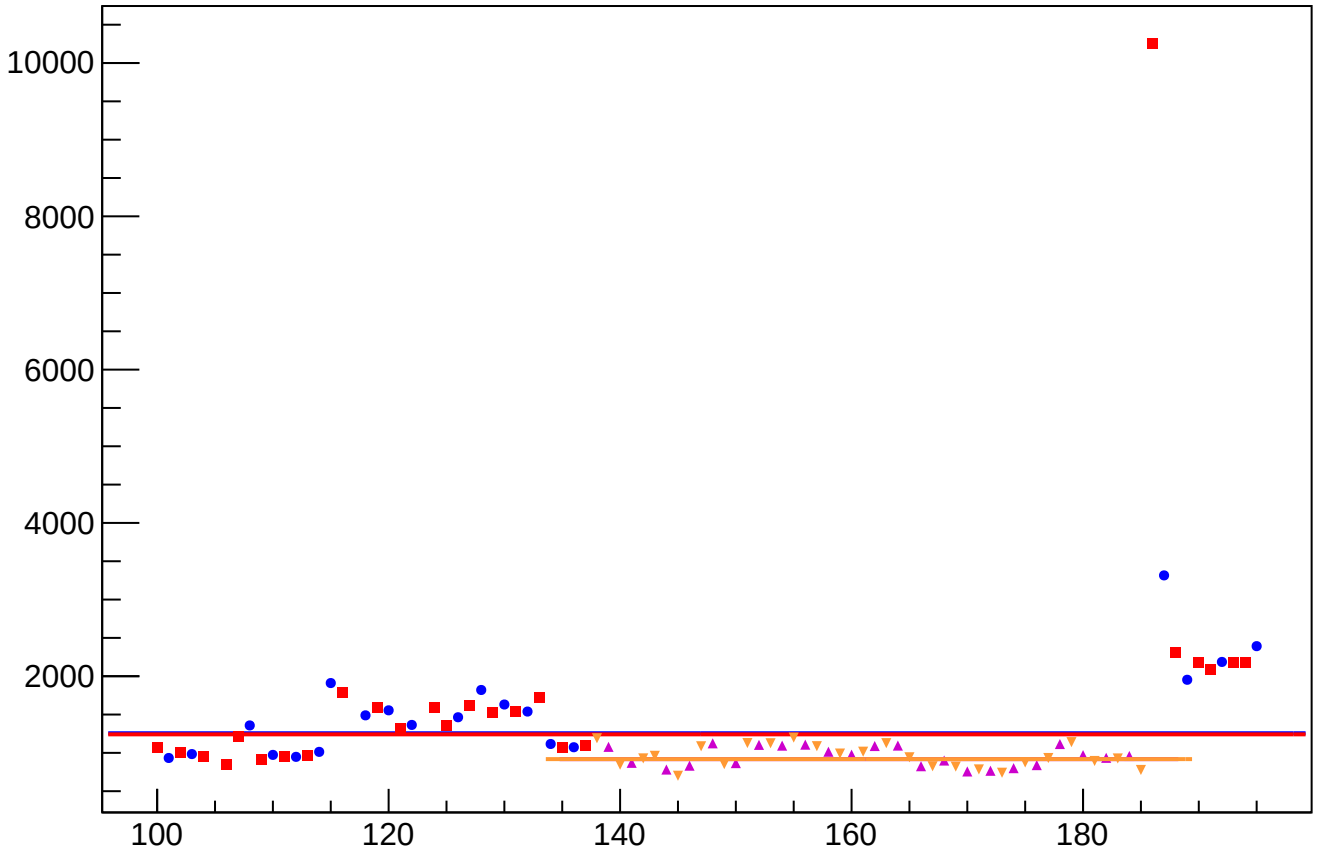
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 522.694+/-290.770 χ^2/NDF: 49.6/44

In: 44.871+/-193.230 χ^2/NDF:46.2/42

Out: -477.742+/-187.177 χ^2/NDF:95.1/49

All: -224.749+/-134.443 χ^2/NDF: 145.0/92



Right In: 1256.010+/-0.299 χ^2/NDF: 1795789.8/19

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1241.477+/-0.283 χ^2/NDF: 2790395.6/24

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

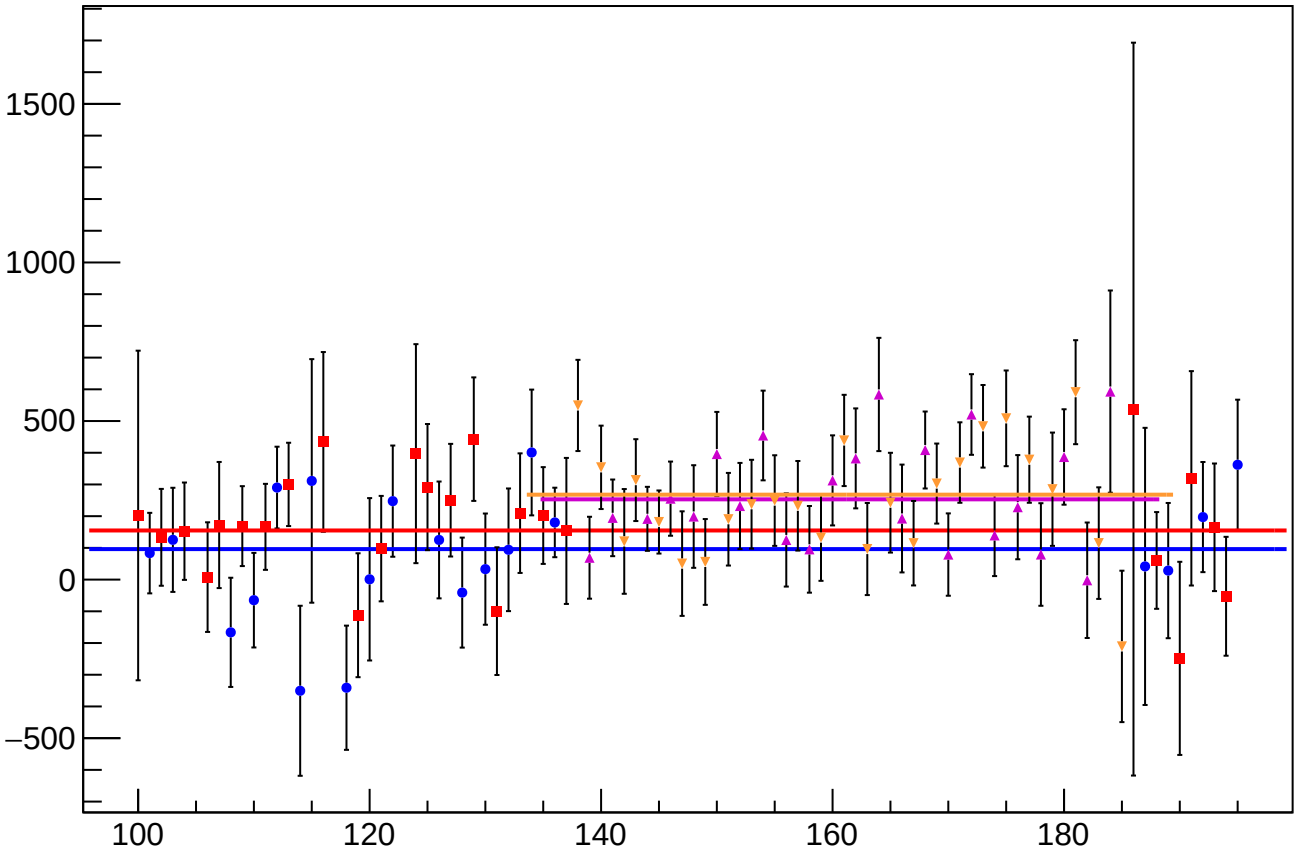
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1248.331+/-0.206 χ^2/NDF: 4587430.5/44

In: 988.572+/-0.137 χ^2/NDF:3469948.8/42

Out: 989.216+/-0.132 χ^2/NDF:4696539.0/49

All: 988.904+/-0.095 χ^2/NDF: 8166499.2/92



Right In: 96.180+/-39.300 χ^2/NDF: 20.6/19

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 154.910+/-37.248 χ^2/NDF: 13.9/24

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

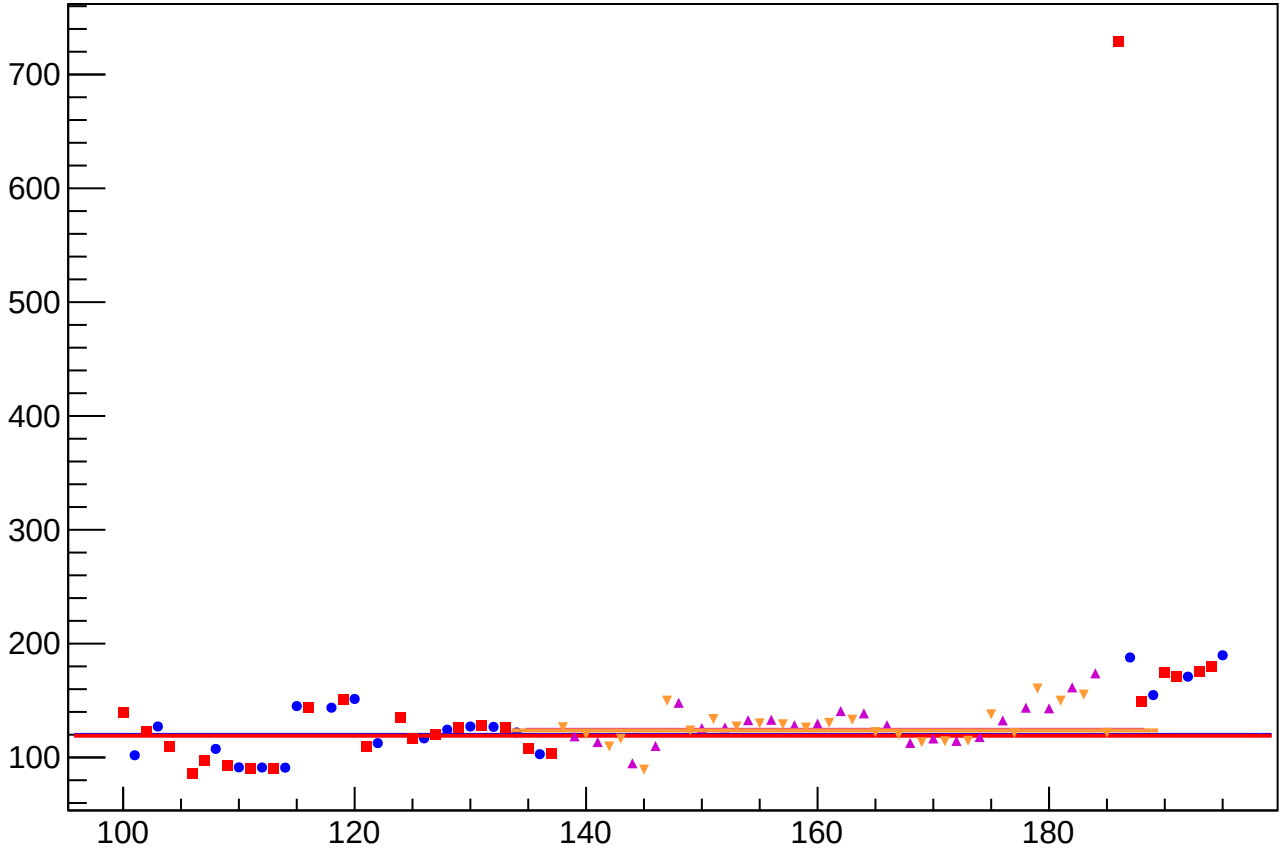
Right: 127.119+/-27.035 χ^2/NDF: 35.7/44

In: 196.976+/-23.497 χ^2/NDF:57.0/42

Out: 226.279+/-22.588 χ^2/NDF:50.7/49

All: 212.205+/-16.284 χ^2/NDF: 108.5/92

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.820+/-0.028 χ^2/NDF: 885603.8/19

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 119.099+/-0.026 χ^2/NDF: 1603723.6/24

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

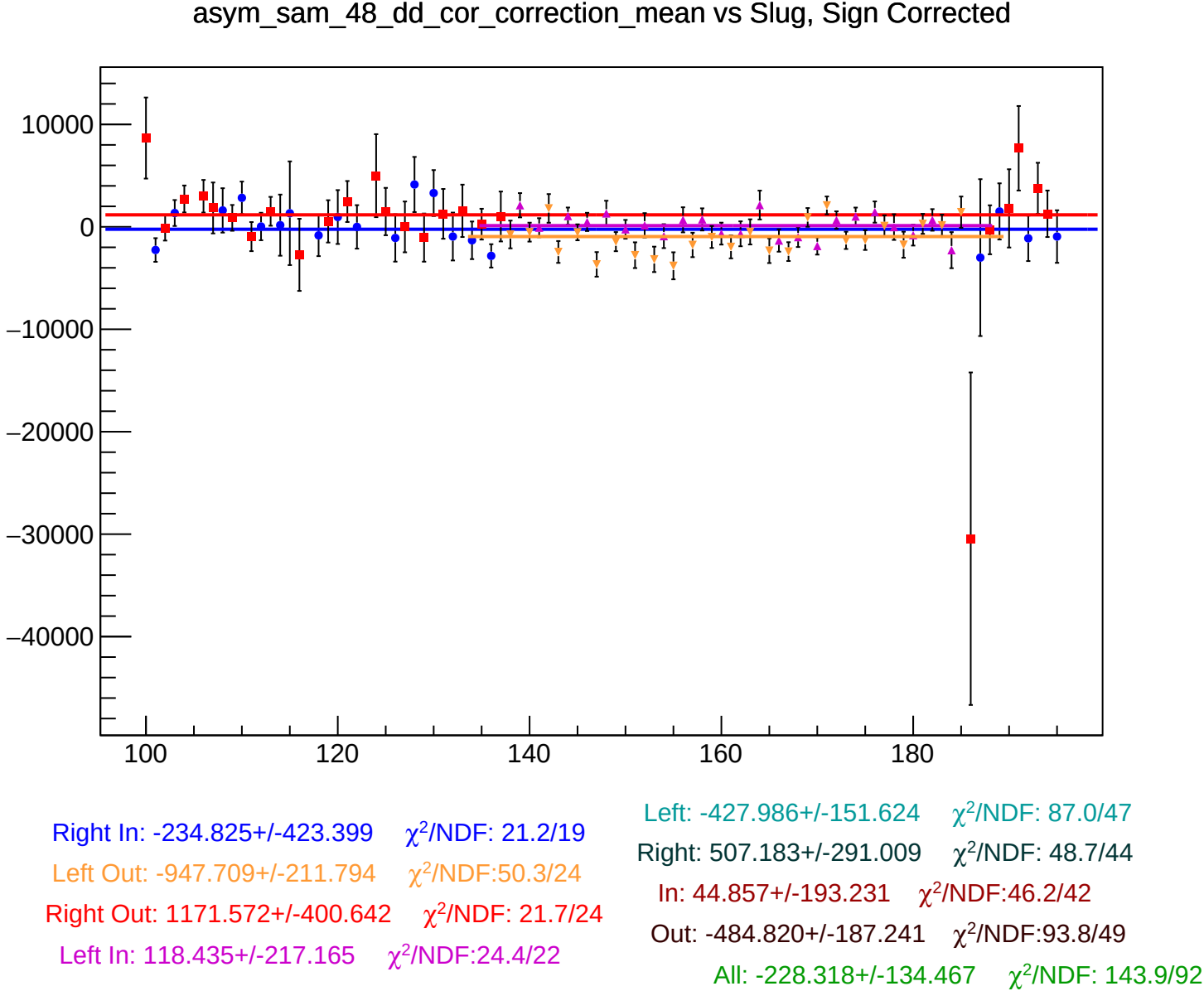
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

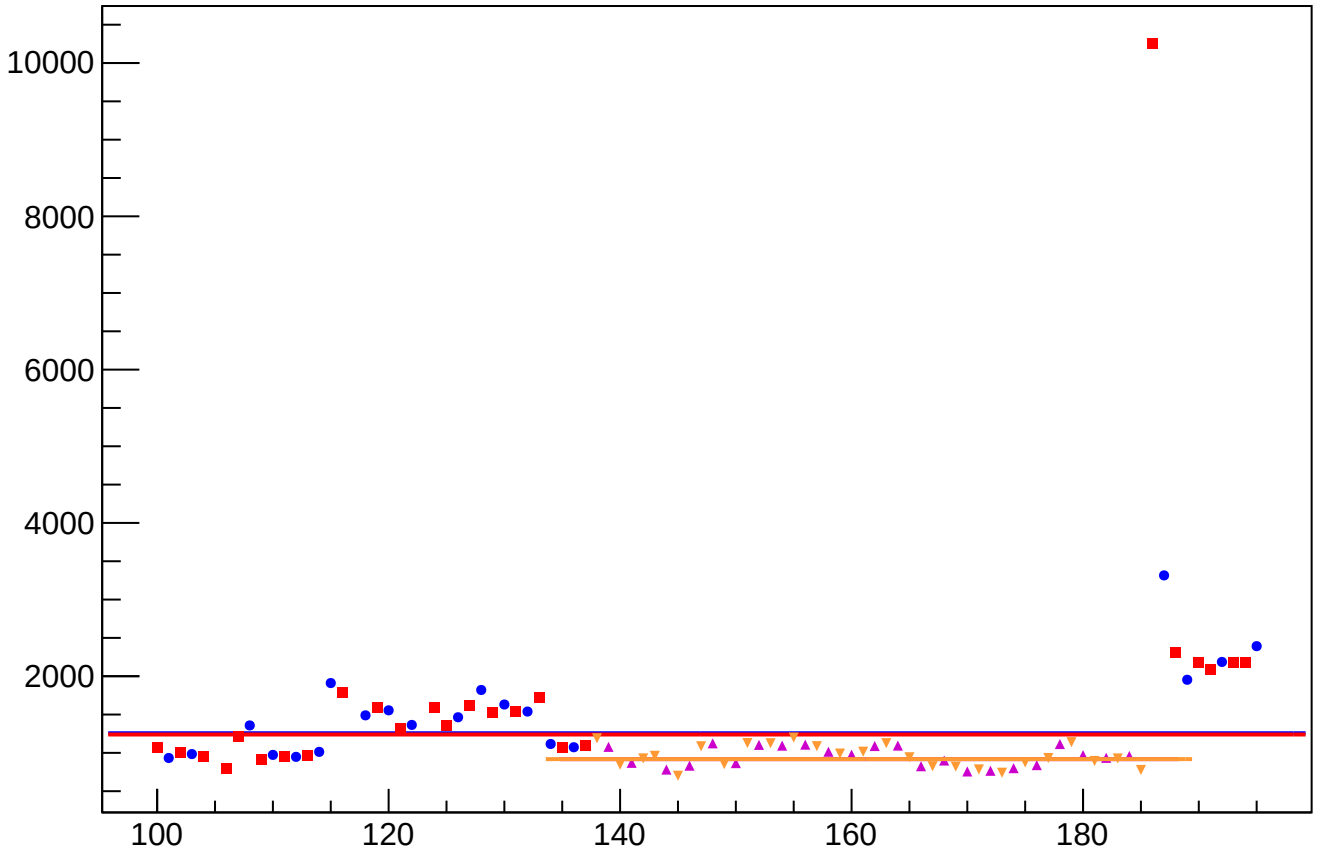
Right: 119.440+/-0.019 χ^2/NDF: 2489682.5/44

In: 122.672+/-0.017 χ^2/NDF:1459212.9/42

Out: 122.076+/-0.016 χ^2/NDF:2222376.9/49

All: 122.362+/-0.012 χ^2/NDF: 3682259.5/92


asym_sam_48_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -234.825+/-423.399 χ²/NDF: 21.2/19
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1171.572+/-400.642 χ²/NDF: 21.7/24
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 507.183+/-291.009 χ²/NDF: 48.7/44
In: 44.857+/-193.231 χ²/NDF:46.2/42
Out: -484.820+/-187.241 χ²/NDF:93.8/49
All: -228.318+/-134.467 χ²/NDF: 143.9/92



Right In: 1256.020+/-0.299 χ^2/NDF: 1795738.9/19

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1239.529+/-0.283 χ^2/NDF: 2817673.6/24

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

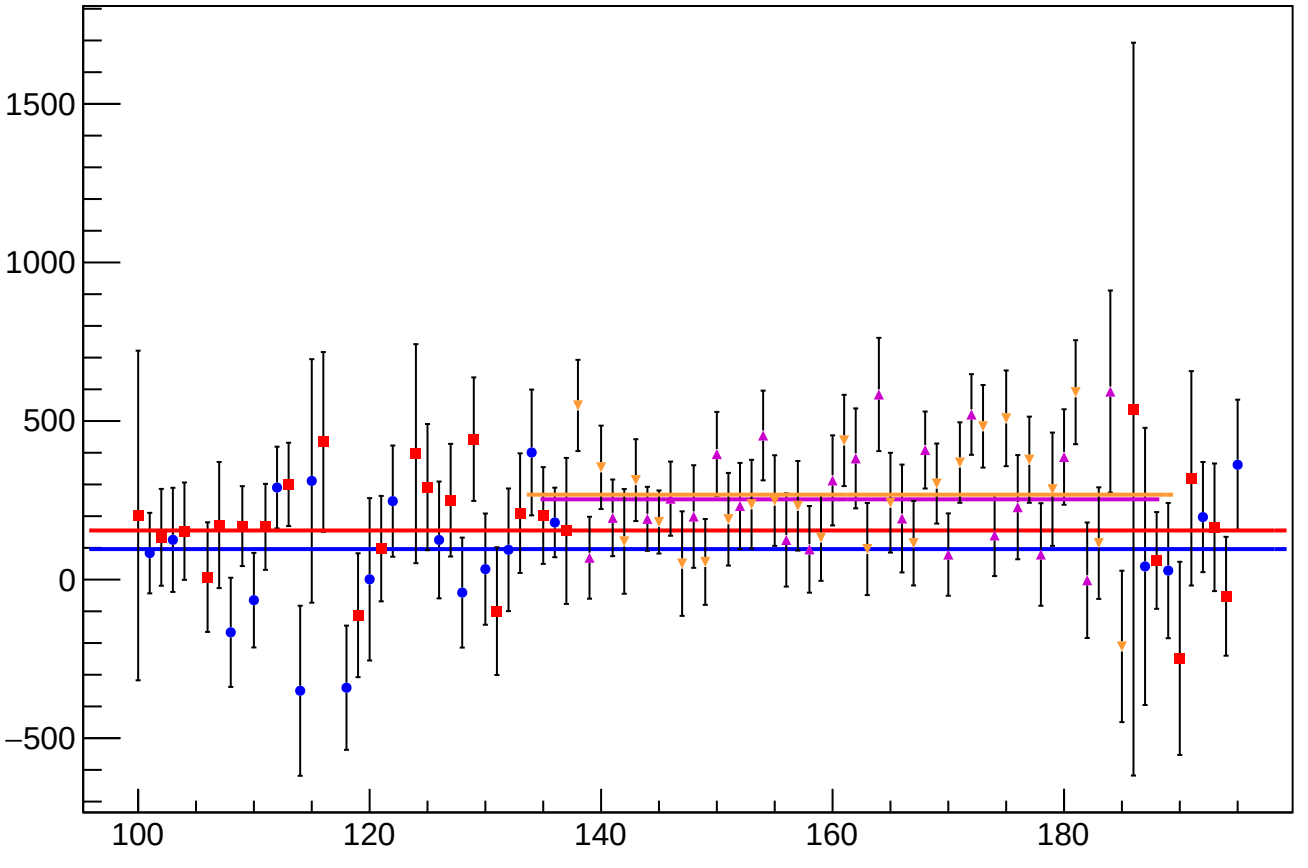
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1247.320+/-0.206 χ^2/NDF: 4615013.4/44

In: 988.573+/-0.137 χ^2/NDF:3469947.4/42

Out: 988.620+/-0.132 χ^2/NDF:4709130.8/49

All: 988.597+/-0.095 χ^2/NDF: 8179078.3/92



Right In: 96.180+/-39.300 χ^2/NDF: 20.6/19

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 154.910+/-37.248 χ^2/NDF: 13.9/24

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

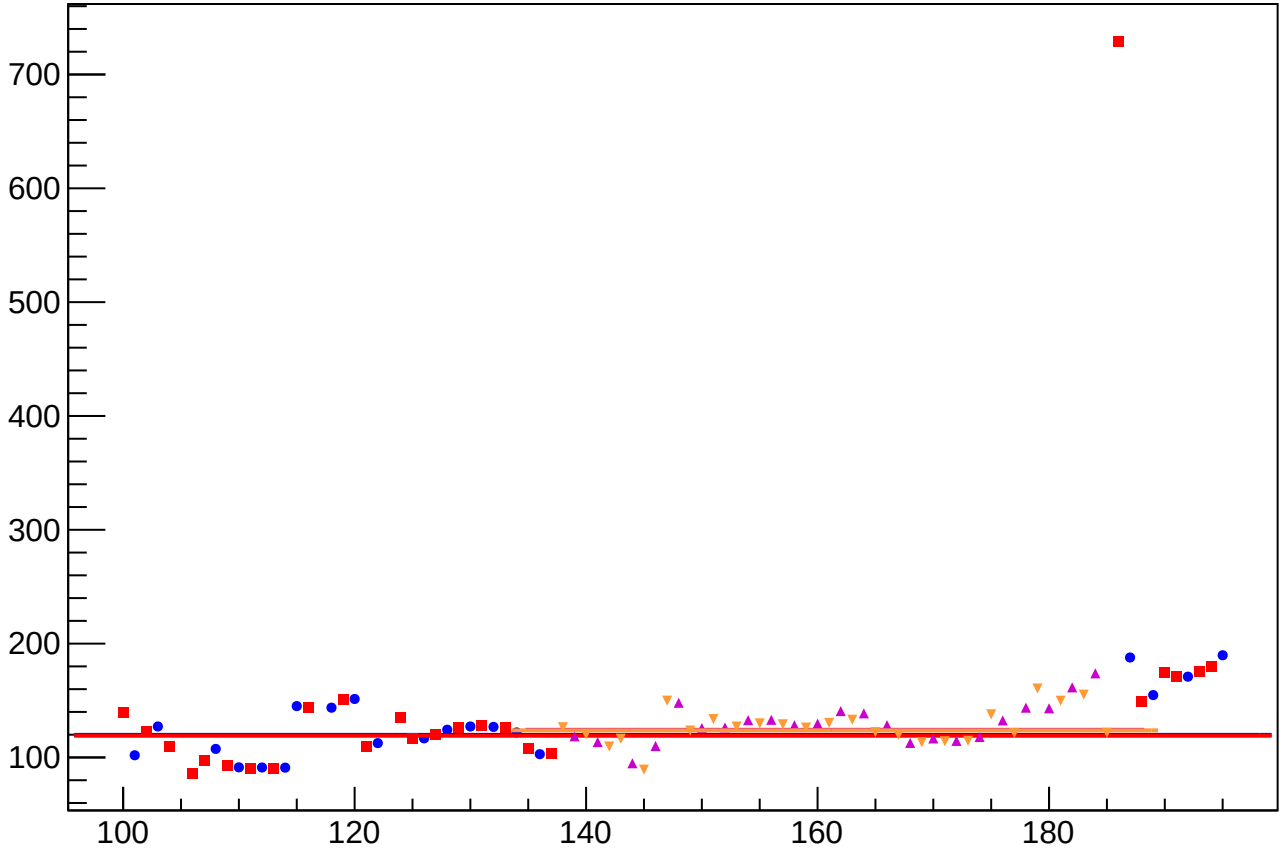
Right: 127.119+/-27.035 χ^2/NDF: 35.7/44

In: 196.976+/-23.497 χ^2/NDF:57.0/42

Out: 226.279+/-22.588 χ^2/NDF:50.7/49

All: 212.205+/-16.284 χ^2/NDF: 108.5/92

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.820+/-0.028 χ^2/NDF: 885603.8/19

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 119.099+/-0.026 χ^2/NDF: 1603723.6/24

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

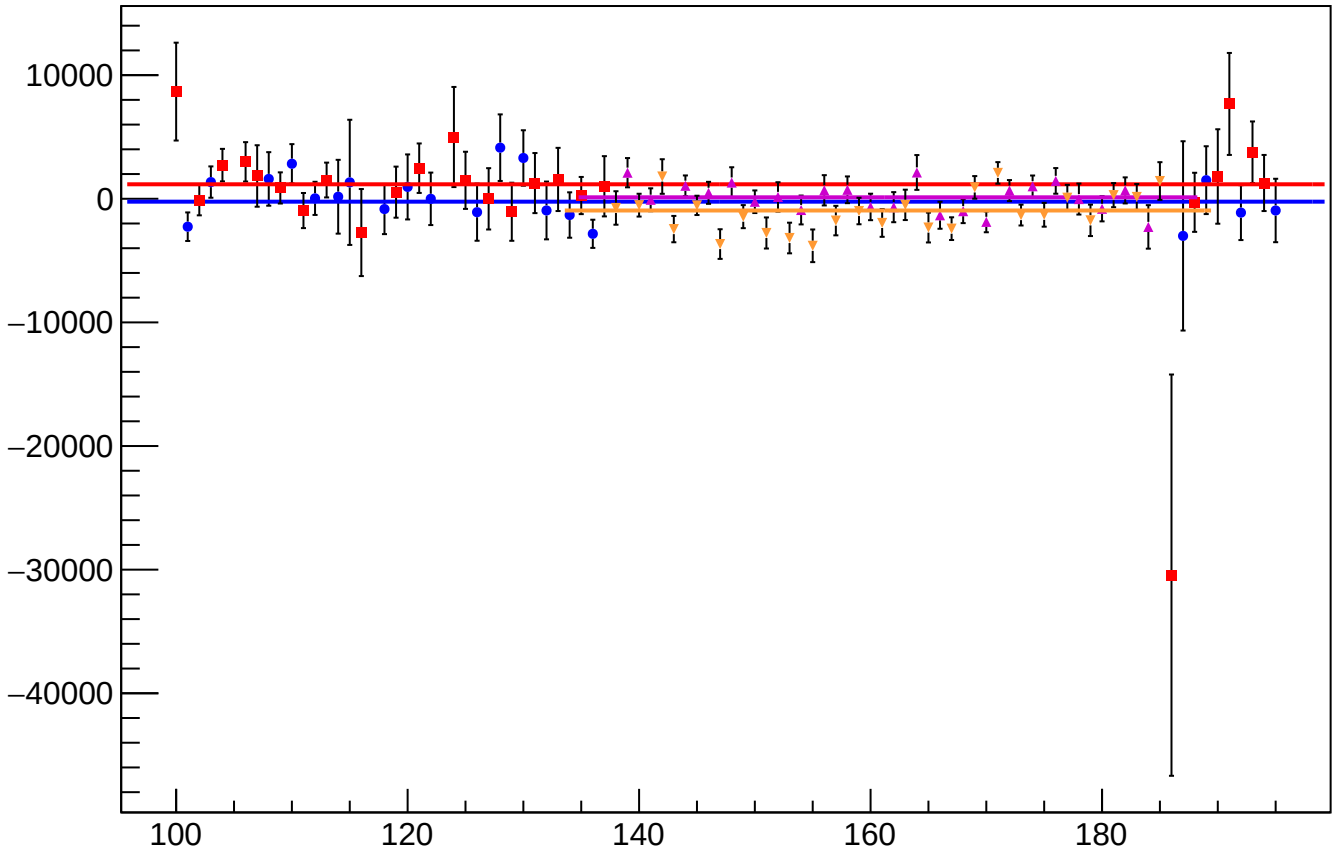
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 119.440+/-0.019 χ^2/NDF: 2489682.5/44

In: 122.672+/-0.017 χ^2/NDF:1459212.9/42

Out: 122.076+/-0.016 χ^2/NDF:2222376.9/49

All: 122.362+/-0.012 χ^2/NDF: 3682259.5/92



Right In: -234.825+/-423.399 χ^2/NDF: 21.2/19

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1171.572+/-400.642 χ^2/NDF: 21.7/24

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

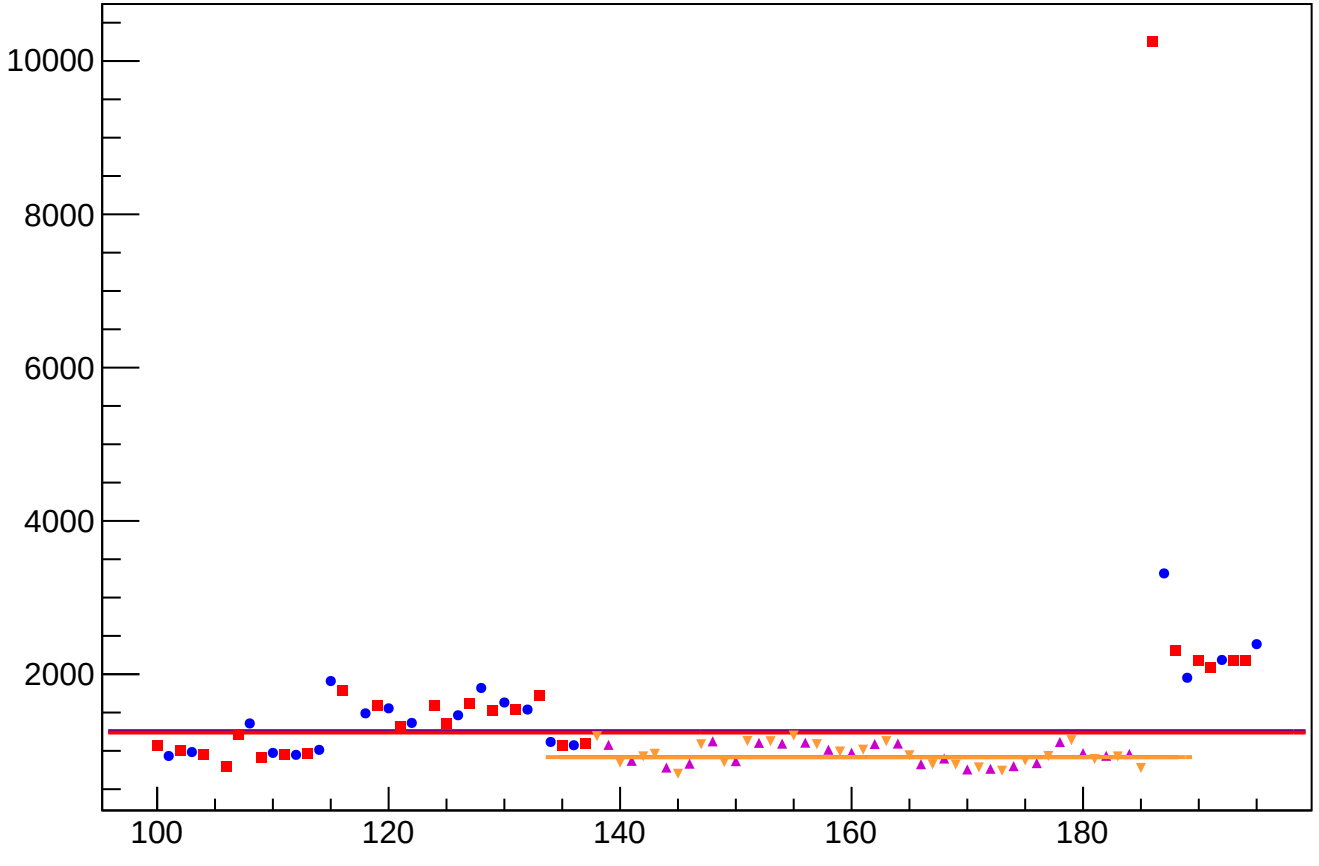
Right: 507.183+/-291.009 χ^2/NDF: 48.7/44

In: 44.857+/-193.231 χ^2/NDF:46.2/42

Out: -484.820+/-187.241 χ^2/NDF:93.8/49

All: -228.318+/-134.467 χ^2/NDF: 143.9/92

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1256.020+/-0.299 χ^2/NDF: 1795738.9/19

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1239.529+/-0.283 χ^2/NDF: 2817673.6/24

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

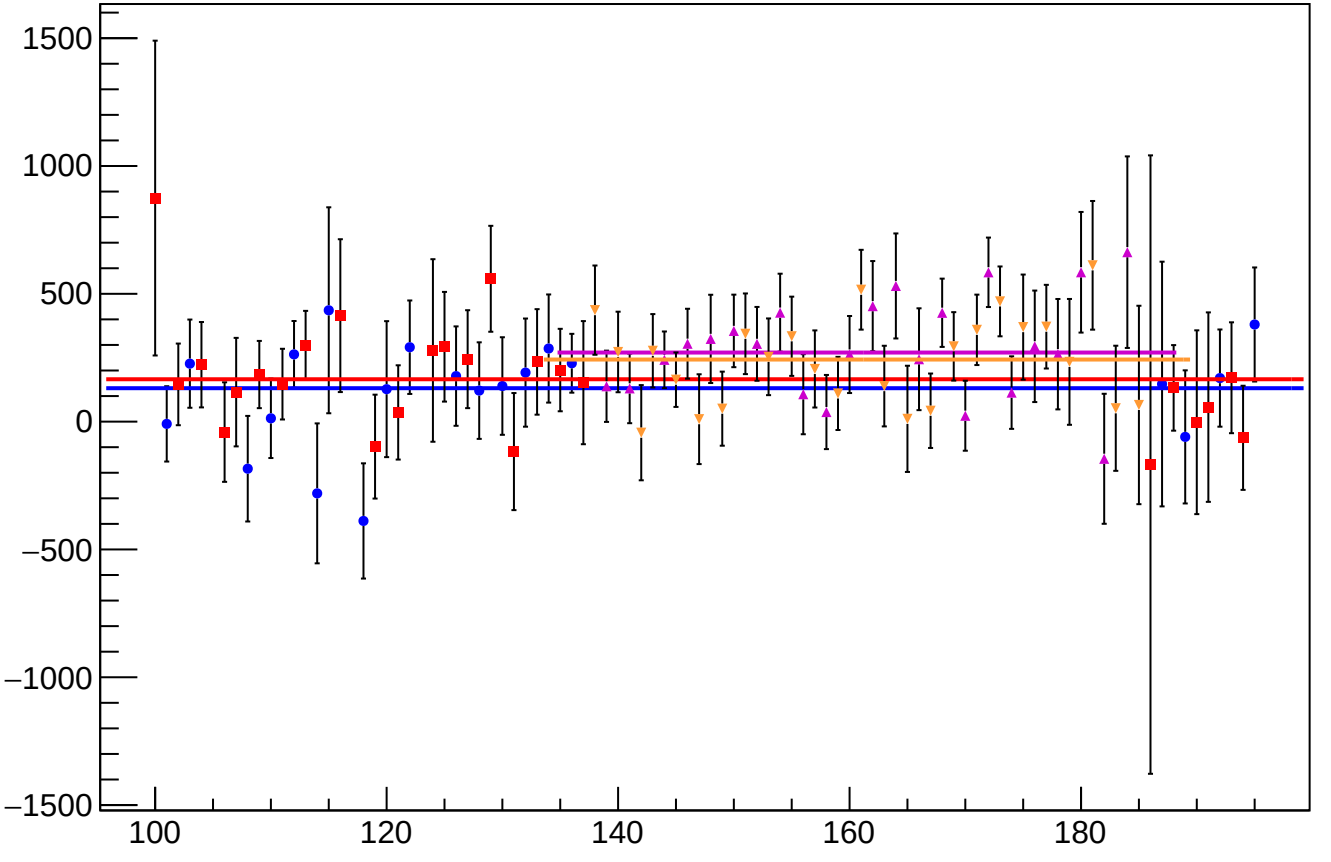
Right: 1247.320+/-0.206 χ^2/NDF: 4615013.4/44

In: 988.573+/-0.137 χ^2/NDF:3469947.4/42

Out: 988.620+/-0.132 χ^2/NDF:4709130.8/49

All: 988.597+/-0.095 χ^2/NDF: 8179078.3/92

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 130.774+/-42.428 χ^2/NDF: 17.3/19

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 165.788+/-39.778 χ^2/NDF: 14.1/24

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

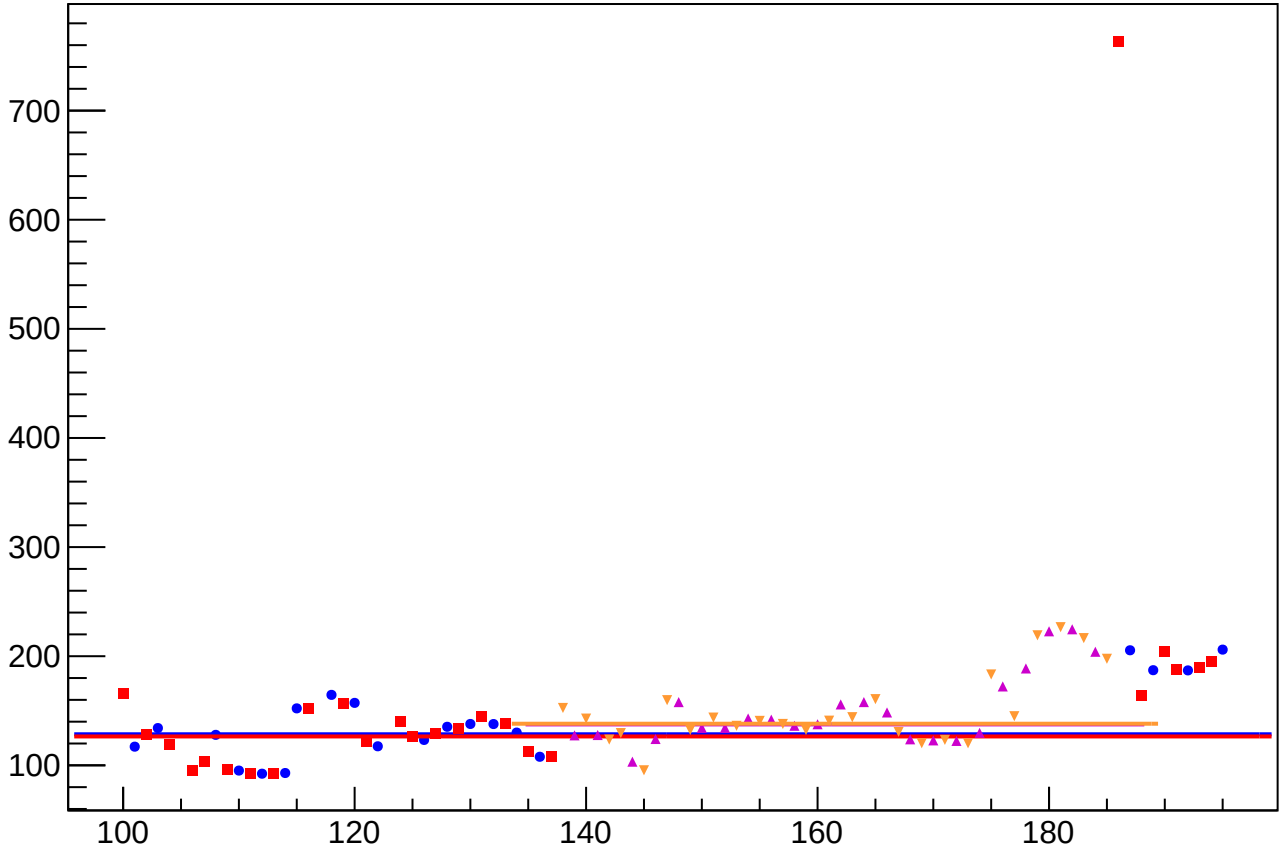
Right: 149.409+/-29.019 χ^2/NDF: 31.8/44

In: 217.885+/-25.996 χ^2/NDF:50.7/42

Out: 212.437+/-24.999 χ^2/NDF:40.1/49

All: 215.055+/-18.019 χ^2/NDF: 90.8/92

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 128.460+/-0.030 χ^2/NDF: 1043784.5/19

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 126.465+/-0.028 χ^2/NDF: 1749902.1/24

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

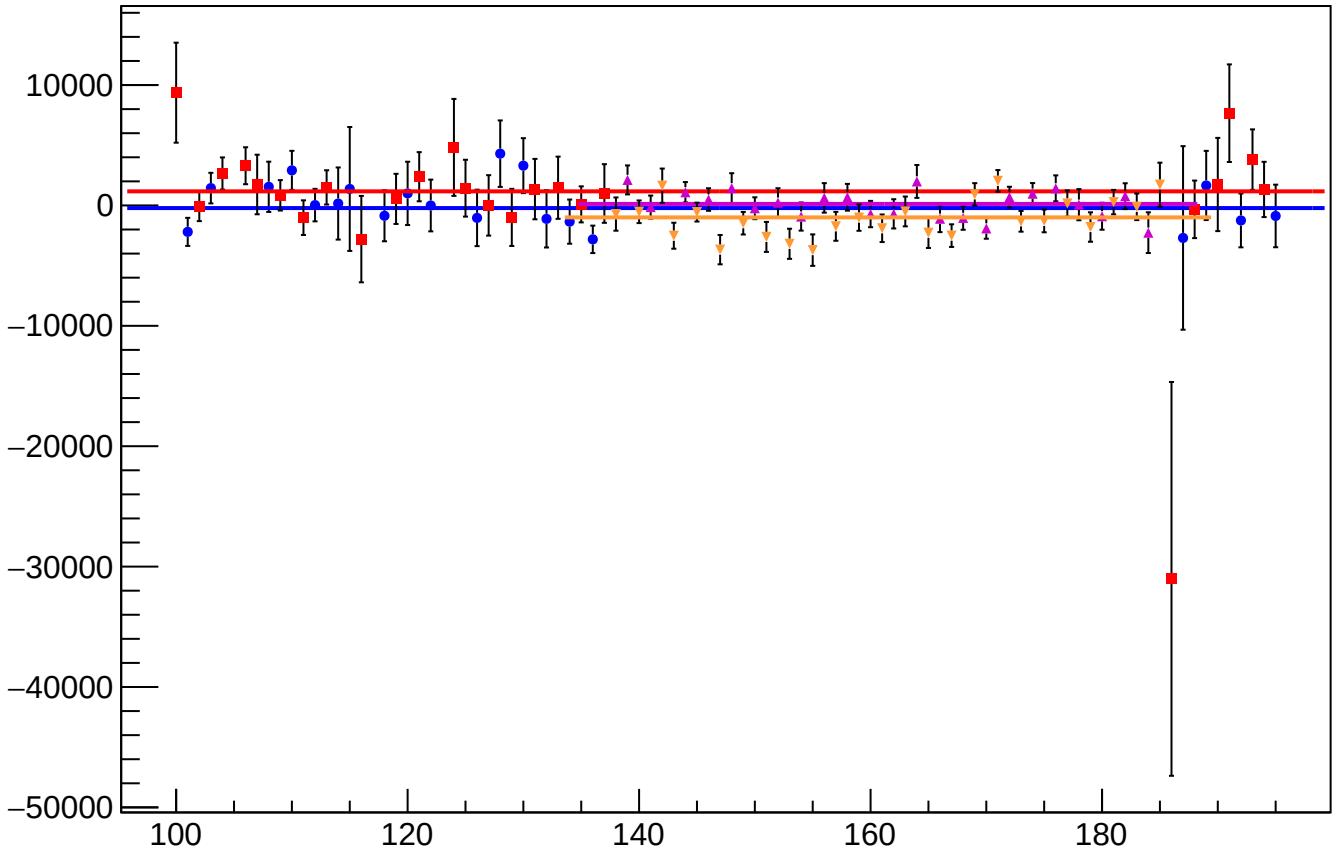
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 127.398+/-0.021 χ^2/NDF: 2796039.2/44

In: 134.101+/-0.018 χ^2/NDF:2209723.1/42

Out: 133.521+/-0.018 χ^2/NDF:3192227.8/49

All: 133.800+/-0.013 χ^2/NDF: 5402467.5/92



Right In: -218.678+/-427.024 χ^2/NDF: 21.2/19

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1169.922+/-402.708 χ^2/NDF: 22.6/24

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

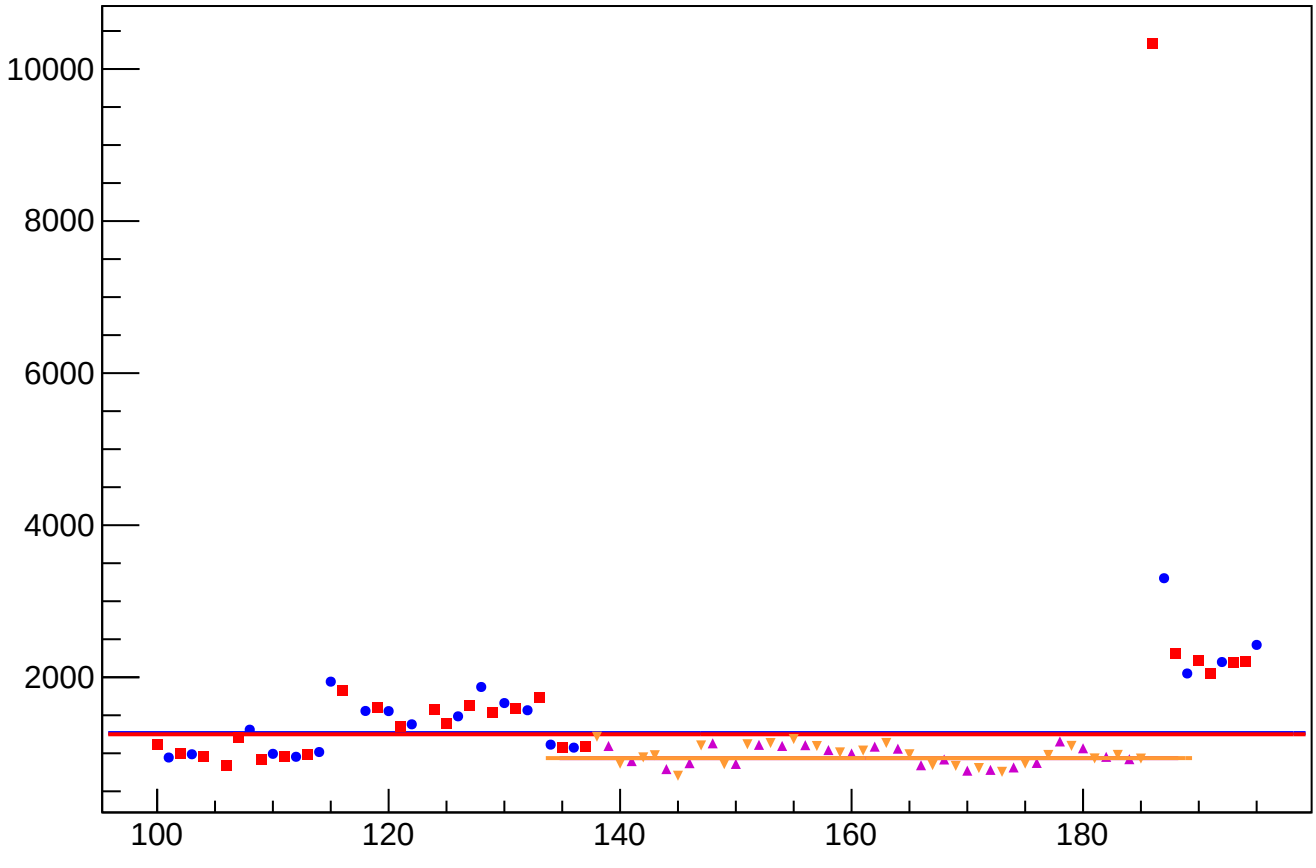
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 516.281+/-292.977 χ^2/NDF: 49.4/44

In: 52.092+/-196.529 χ^2/NDF:45.6/42

Out: -511.161+/-190.110 χ^2/NDF:91.9/49

All: -238.884+/-136.641 χ^2/NDF: 141.7/92



Right In: 1265.891+/-0.302 χ^2/NDF: 1844817.9/19

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1250.037+/-0.285 χ^2/NDF: 2816773.9/24

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

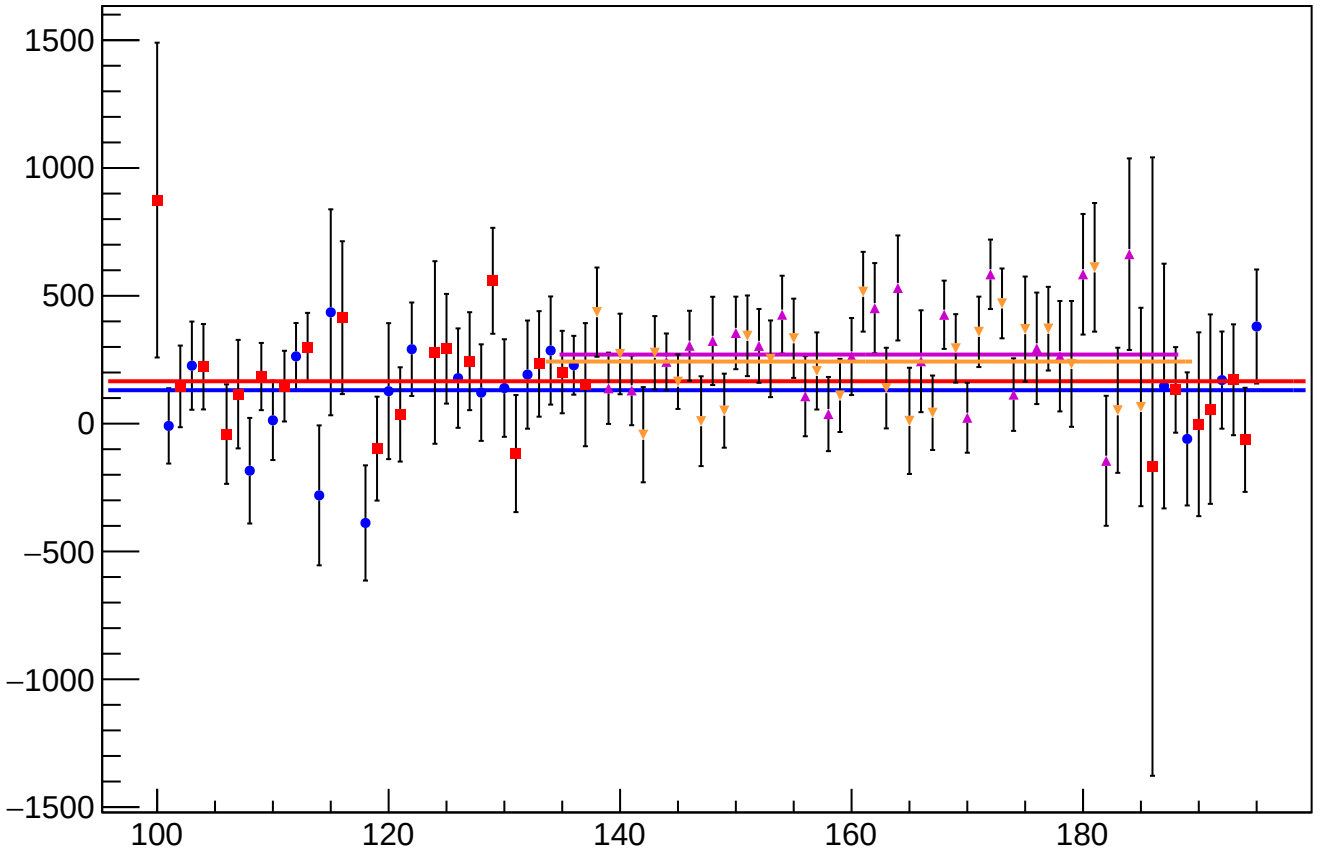
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1257.500+/-0.207 χ^2/NDF: 4663051.0/44

In: 1006.175+/-0.139 χ^2/NDF:3426196.3/42

Out: 1006.563+/-0.134 χ^2/NDF:4589923.9/49

All: 1006.375+/-0.097 χ^2/NDF: 8016124.2/92



Right In: 130.775+/-42.428 χ^2/NDF: 17.3/19

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 165.788+/-39.778 χ^2/NDF: 14.1/24

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

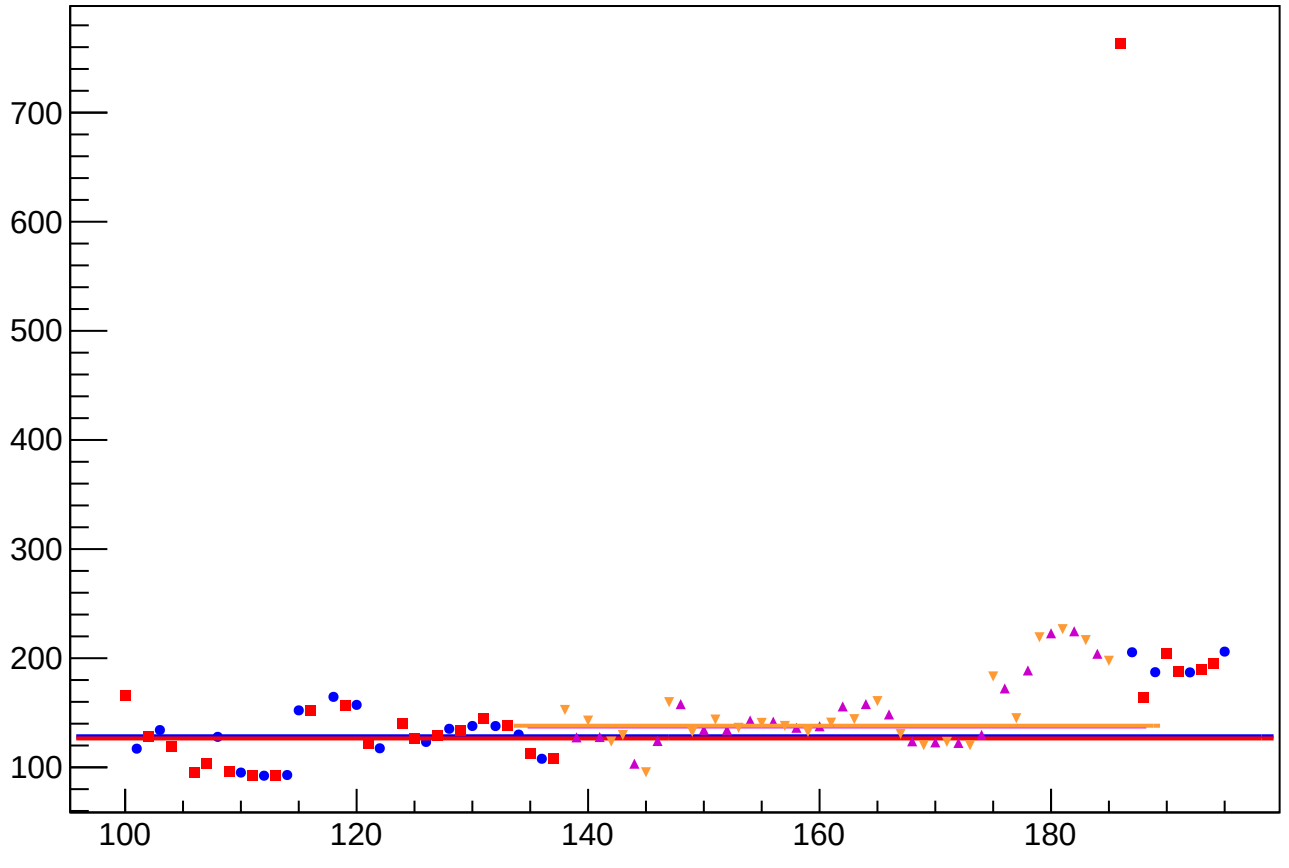
Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

Right: 149.409+/-29.019 χ^2/NDF: 31.8/44

In: 217.887+/-25.996 χ^2/NDF:50.7/42

Out: 212.439+/-24.999 χ^2/NDF:40.1/49

All: 215.056+/-18.019 χ^2/NDF: 90.8/92



Right In: 128.460+/-0.030 χ^2/NDF: 1043780.8/19

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 126.465+/-0.028 χ^2/NDF: 1749905.7/24

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

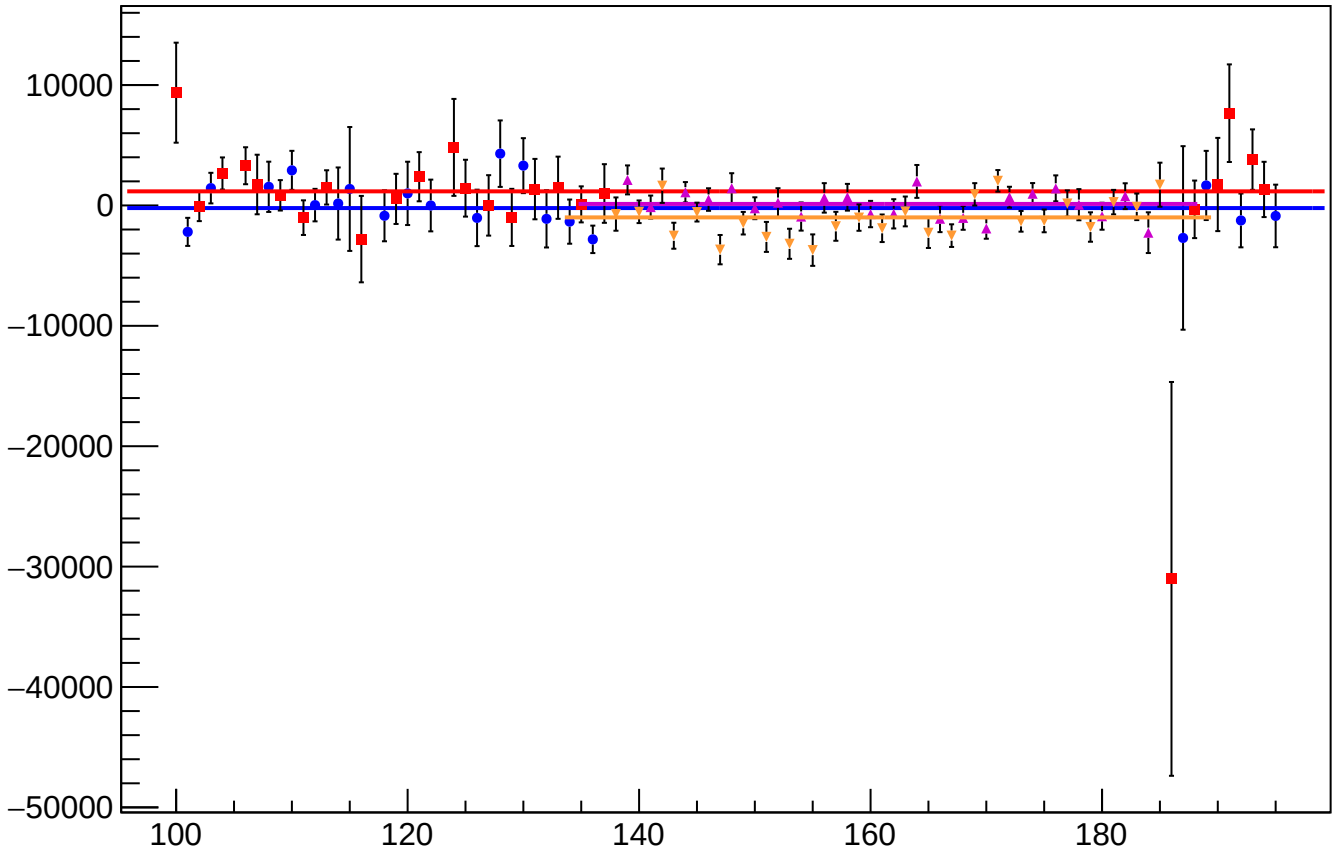
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 127.398+/-0.021 χ^2/NDF: 2796039.1/44

In: 134.101+/-0.018 χ^2/NDF:2209705.6/42

Out: 133.521+/-0.018 χ^2/NDF:3192235.1/49

All: 133.800+/-0.013 χ^2/NDF: 5402457.3/92



Right In: -218.678+/-427.024 χ^2/NDF: 21.2/19

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1169.922+/-402.708 χ^2/NDF: 22.6/24

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

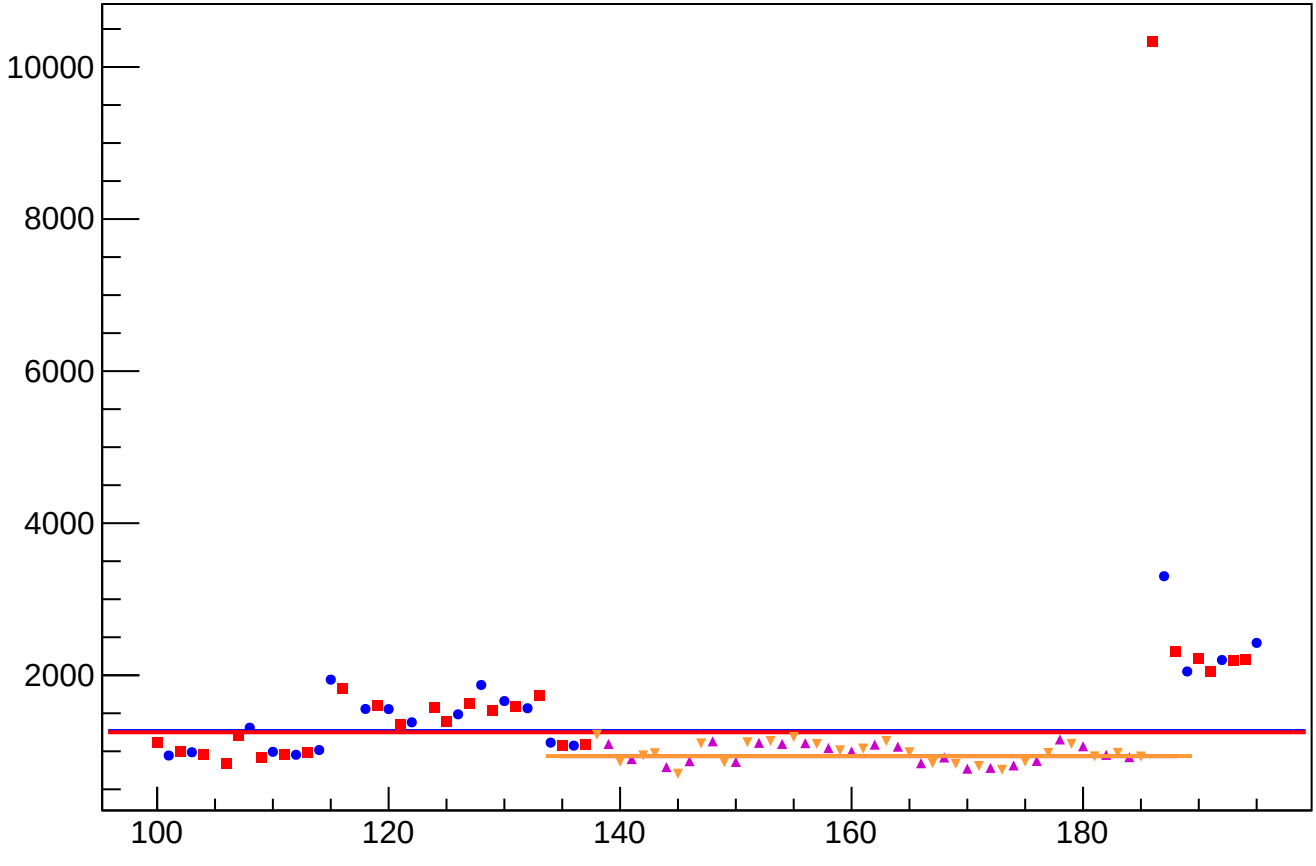
Right: 516.281+/-292.977 χ^2/NDF: 49.4/44

In: 52.092+/-196.529 χ^2/NDF:45.6/42

Out: -511.160+/-190.109 χ^2/NDF:91.9/49

All: -238.884+/-136.641 χ^2/NDF: 141.7/92

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1265.891+/-0.302 χ^2/NDF: 1844817.2/19

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1250.036+/-0.285 χ^2/NDF: 2816769.3/24

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

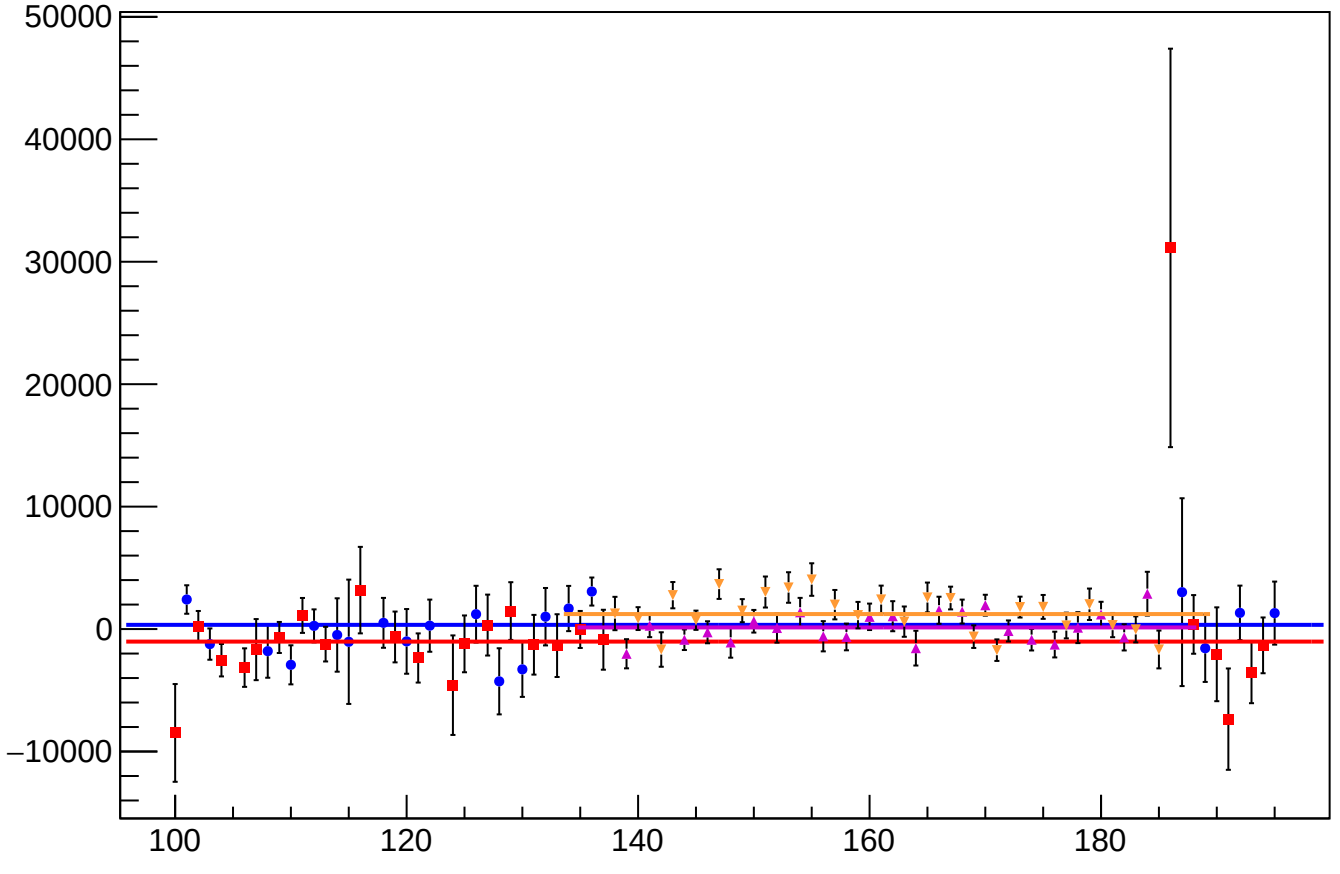
Right: 1257.499+/-0.207 χ^2/NDF: 4663045.8/44

In: 1006.174+/-0.139 χ^2/NDF:3426199.3/42

Out: 1006.562+/-0.134 χ^2/NDF:4589927.8/49

All: 1006.374+/-0.097 χ^2/NDF: 8016131.2/92

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 344.347+/-425.582 χ^2/NDF: 23.1/19

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1023.550+/-402.152 χ^2/NDF: 22.3/24

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

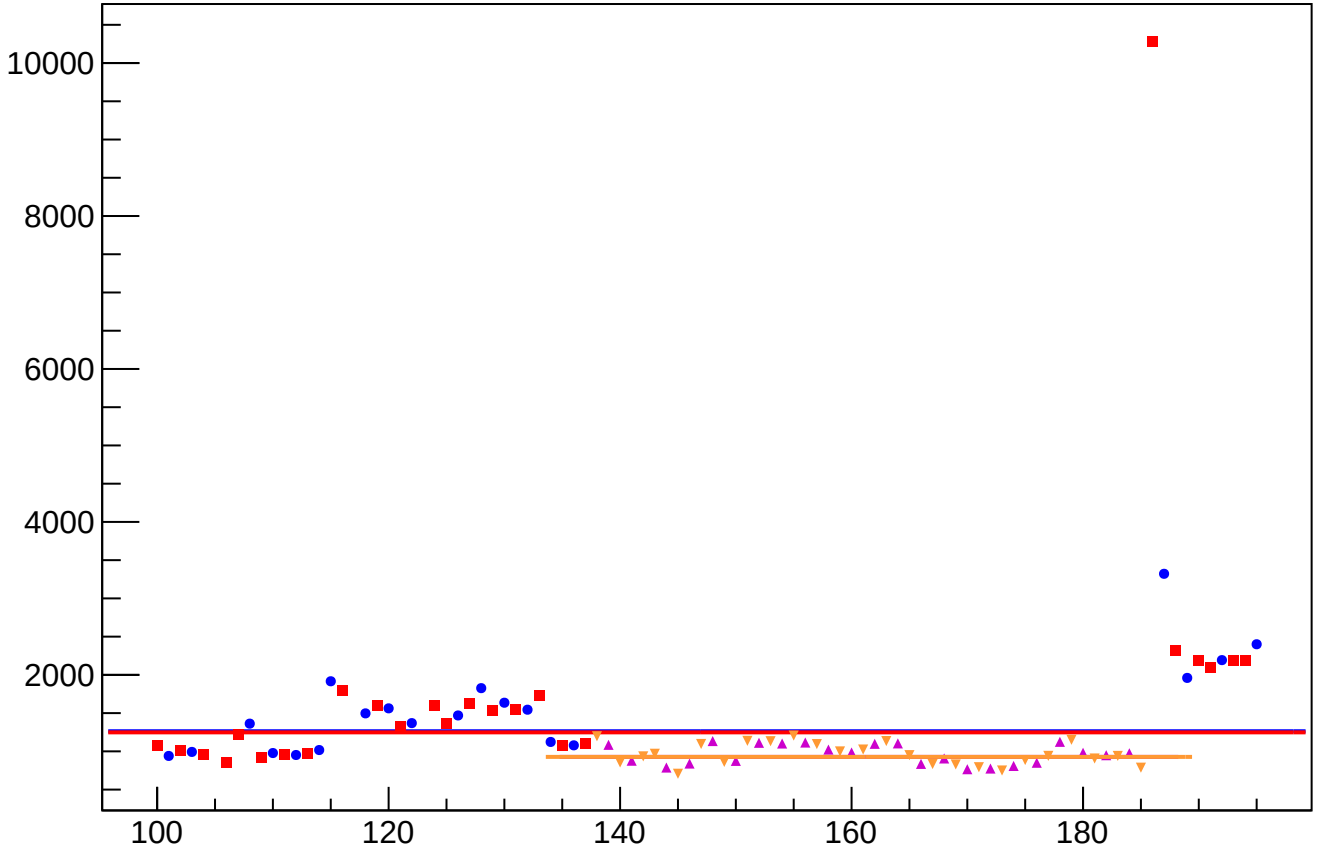
Right: -378.290+/-292.297 χ^2/NDF: 50.9/44

In: 177.206+/-194.925 χ^2/NDF:49.2/42

Out: 729.764+/-188.809 χ^2/NDF:95.2/49

All: 462.289+/-135.619 χ^2/NDF: 148.5/92

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1262.945+/-0.301 χ^2/NDF: 1783353.0/19

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1248.358+/-0.284 χ^2/NDF: 2775915.5/24

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

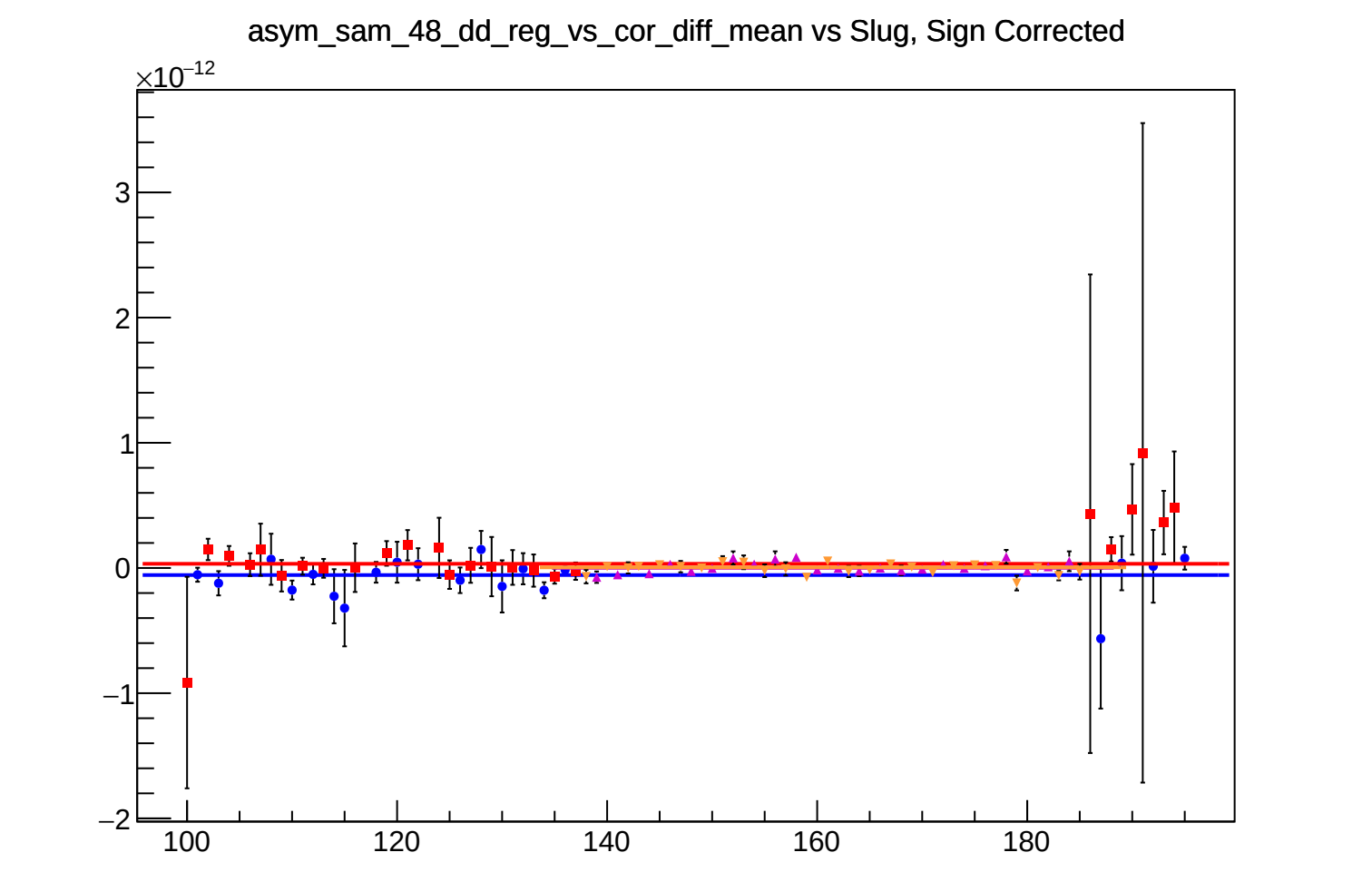
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1255.239+/-0.207 χ^2/NDF: 4560509.9/44

In: 997.729+/-0.138 χ^2/NDF:3422811.5/42

Out: 998.311+/-0.134 χ^2/NDF:4642868.2/49

All: 998.030+/-0.096 χ^2/NDF: 8065688.9/92



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/24

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

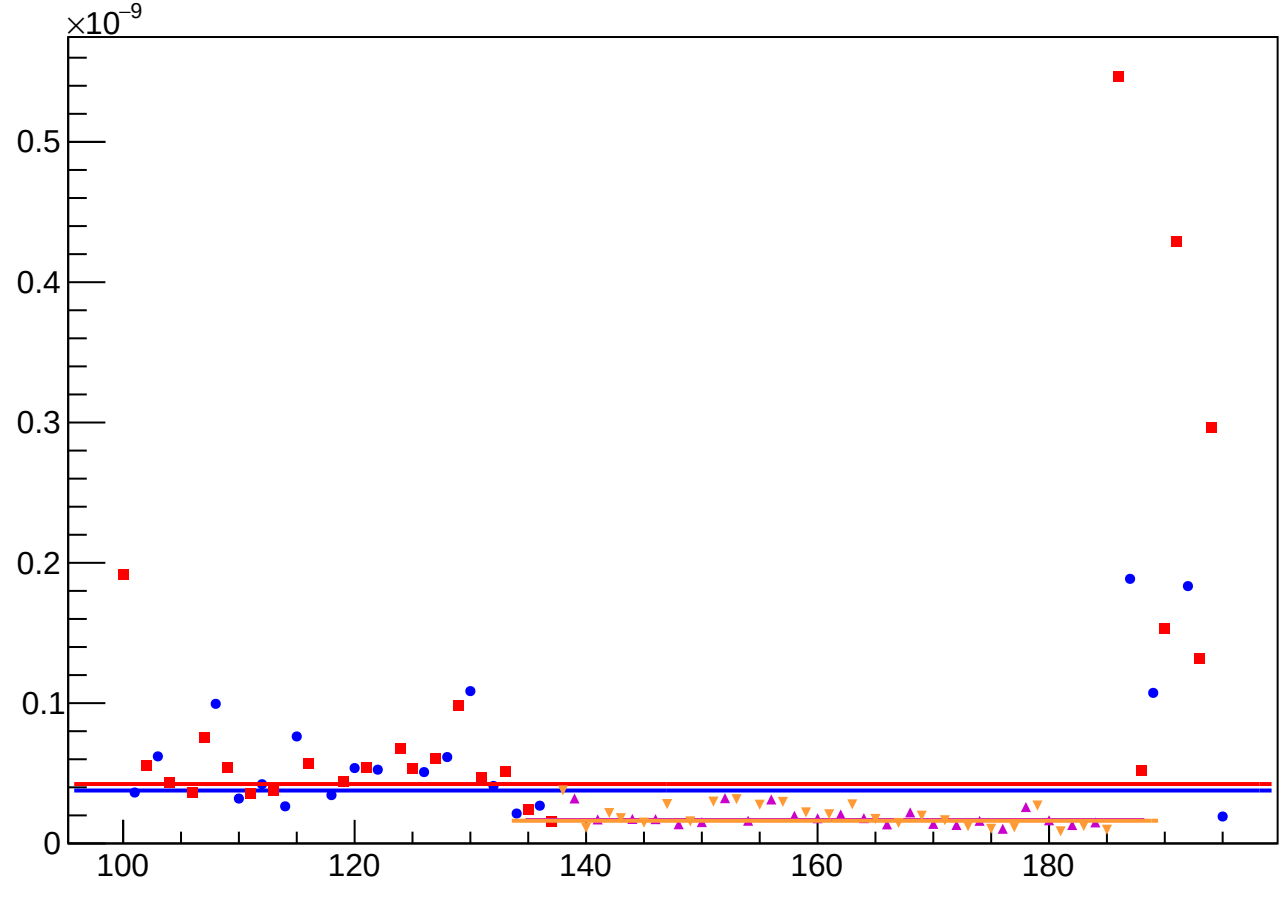
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 42.0/44

In: -0.000+/-0.000 χ^2/NDF:50.3/42

Out: 0.000+/-0.000 χ^2/NDF:44.4/49

All: 0.000+/-0.000 χ^2/NDF: 96.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 1936893.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2213814.1/24

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

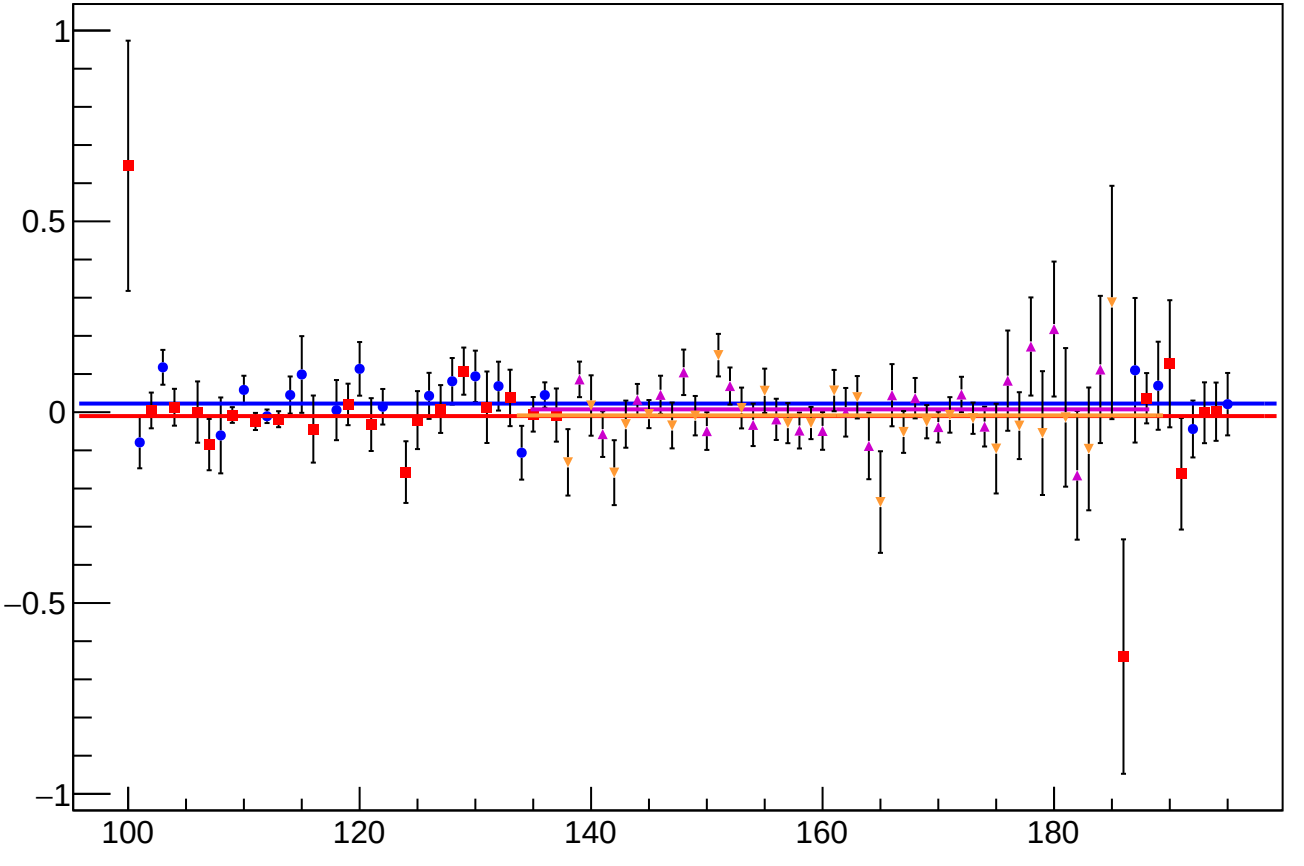
Right: 0.000+/-0.000 χ^2/NDF: 4196015.6/44

In: 0.000+/-0.000 χ^2/NDF:4675892.6/42

Out: 0.000+/-0.000 χ^2/NDF:6760494.7/49

All: 0.000+/-0.000 χ^2/NDF: 11442072.7/92

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/19

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

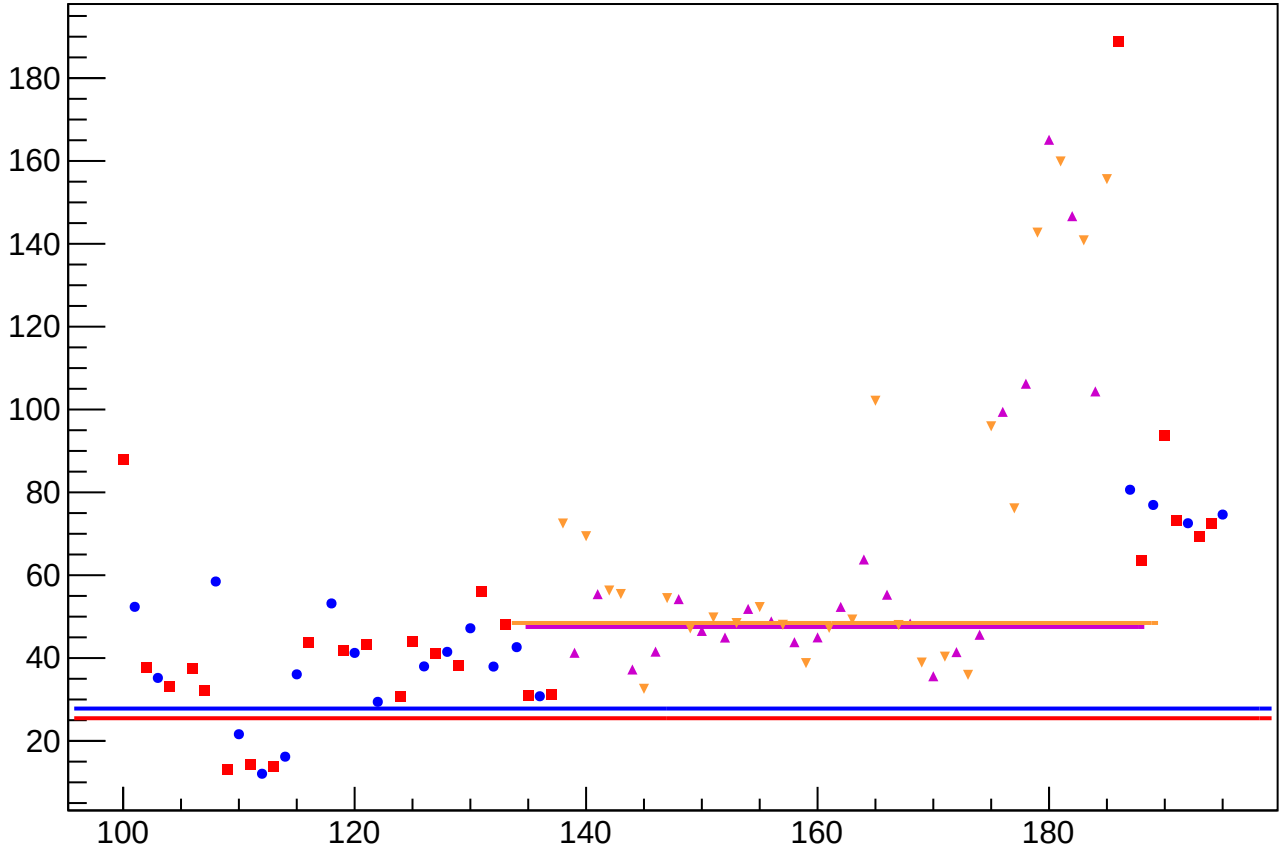
Right: 0.004+/-0.007 χ^2/NDF: 47.9/44

In: 0.016+/-0.008 χ^2/NDF:46.0/42

Out: -0.010+/-0.007 χ^2/NDF:43.9/49

All: 0.002+/-0.005 χ^2/NDF: 95.3/92

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.812+/-0.008 χ^2/NDF: 4921189.2/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 25.473+/-0.007 χ^2/NDF: 6467890.6/24

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

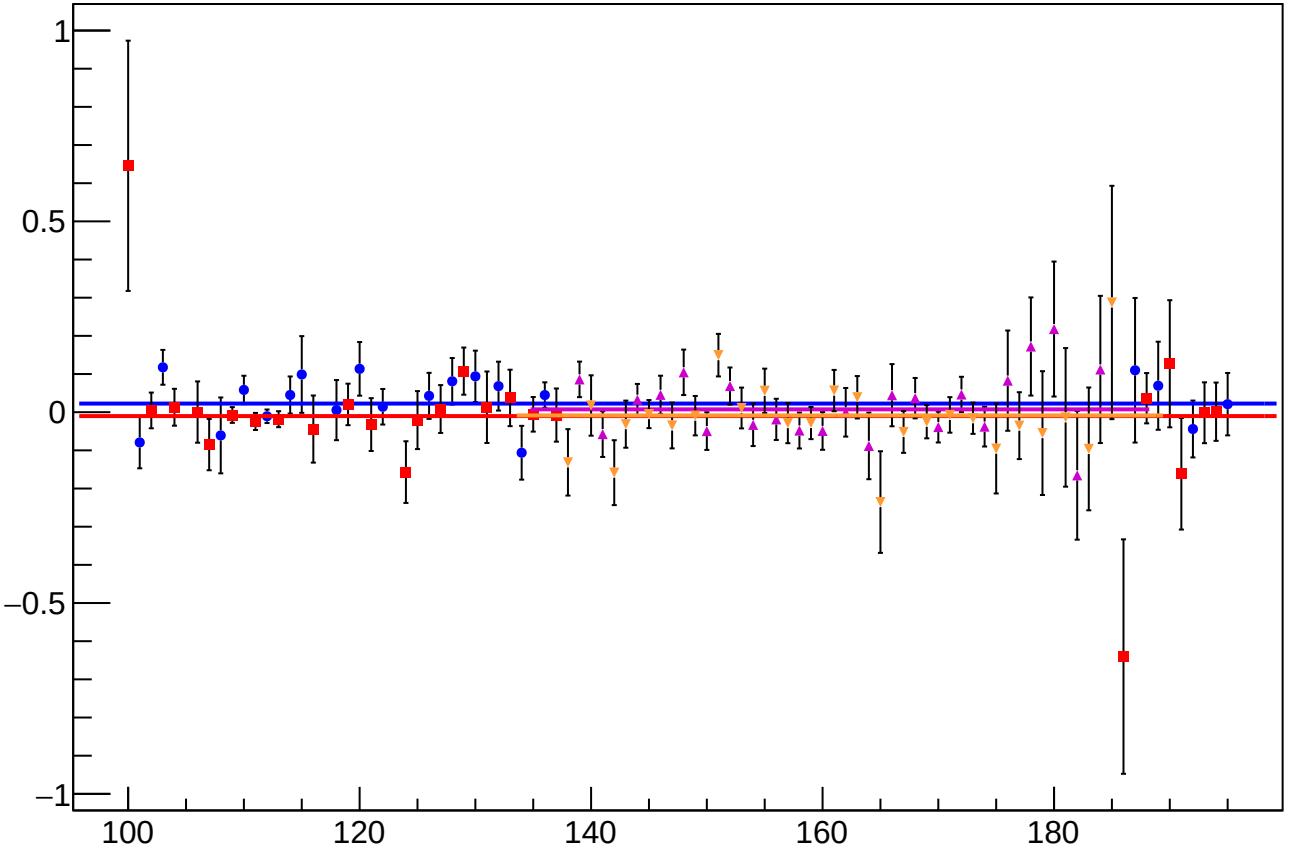
Right: 26.496+/-0.005 χ^2/NDF: 11442014.7/44

In: 36.587+/-0.006 χ^2/NDF:10966610.9/42

Out: 34.337+/-0.005 χ^2/NDF:15351079.1/49

All: 35.378+/-0.004 χ^2/NDF: 26402042.1/92

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/19

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

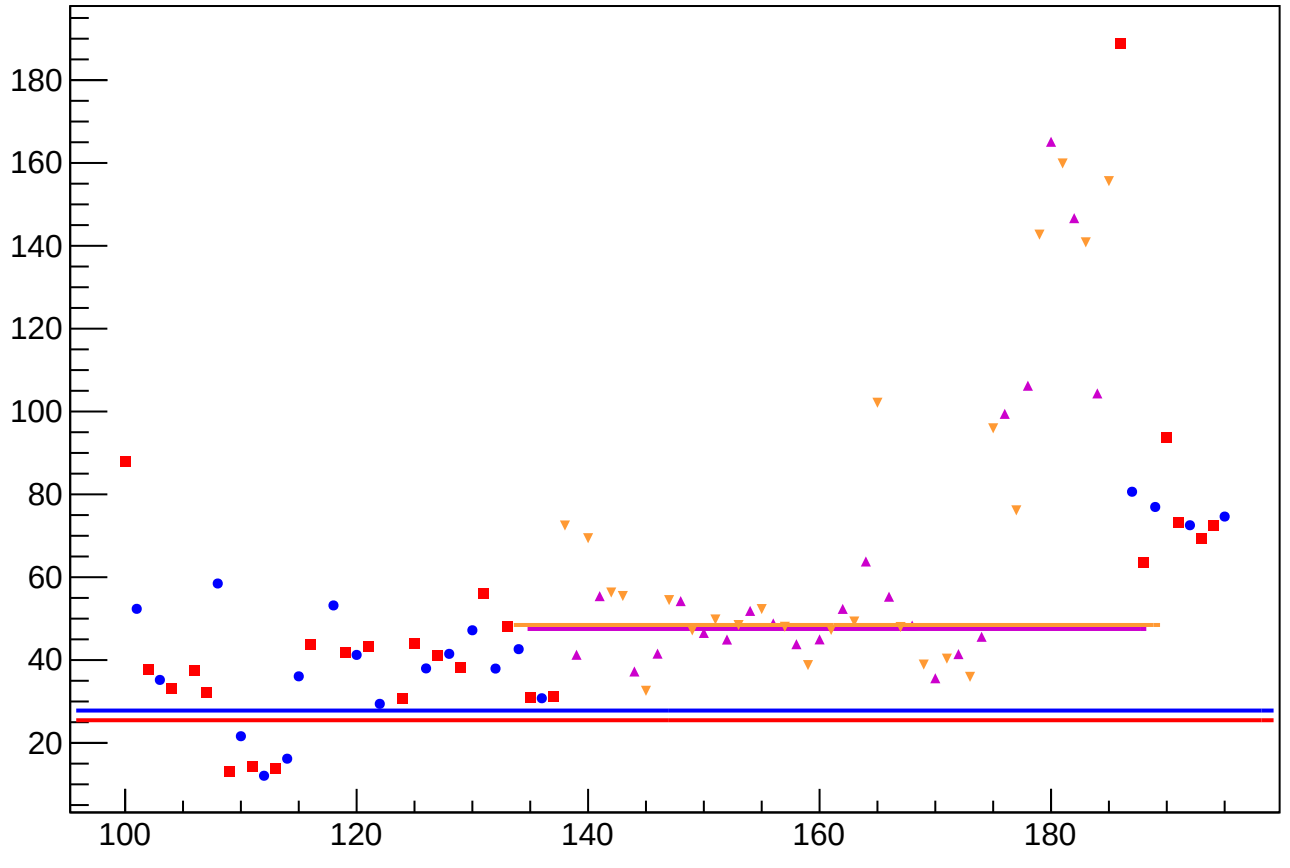
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.004+/-0.007 χ^2/NDF: 47.9/44

In: 0.016+/-0.008 χ^2/NDF:46.0/42

Out: -0.010+/-0.007 χ^2/NDF:43.9/49

All: 0.002+/-0.005 χ^2/NDF: 95.3/92



Right In: 27.812+/-0.008 χ^2/NDF: 4921189.2/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 25.473+/-0.007 χ^2/NDF: 6467890.6/24

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

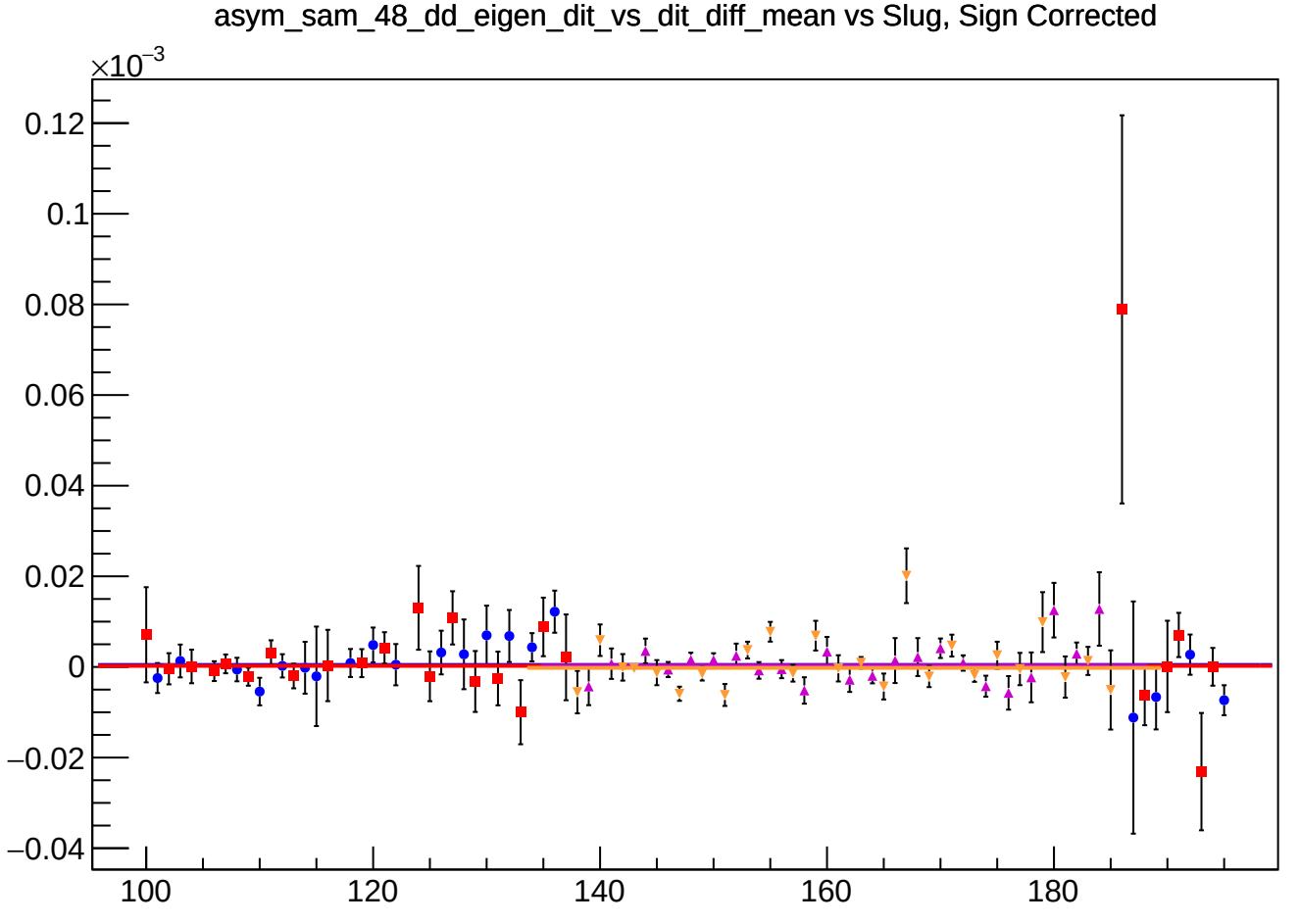
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 26.496+/-0.005 χ^2/NDF: 11442014.7/44

In: 36.587+/-0.006 χ^2/NDF:10966610.9/42

Out: 34.337+/-0.005 χ^2/NDF:15351079.1/49

All: 35.378+/-0.004 χ^2/NDF: 26402042.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/24

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

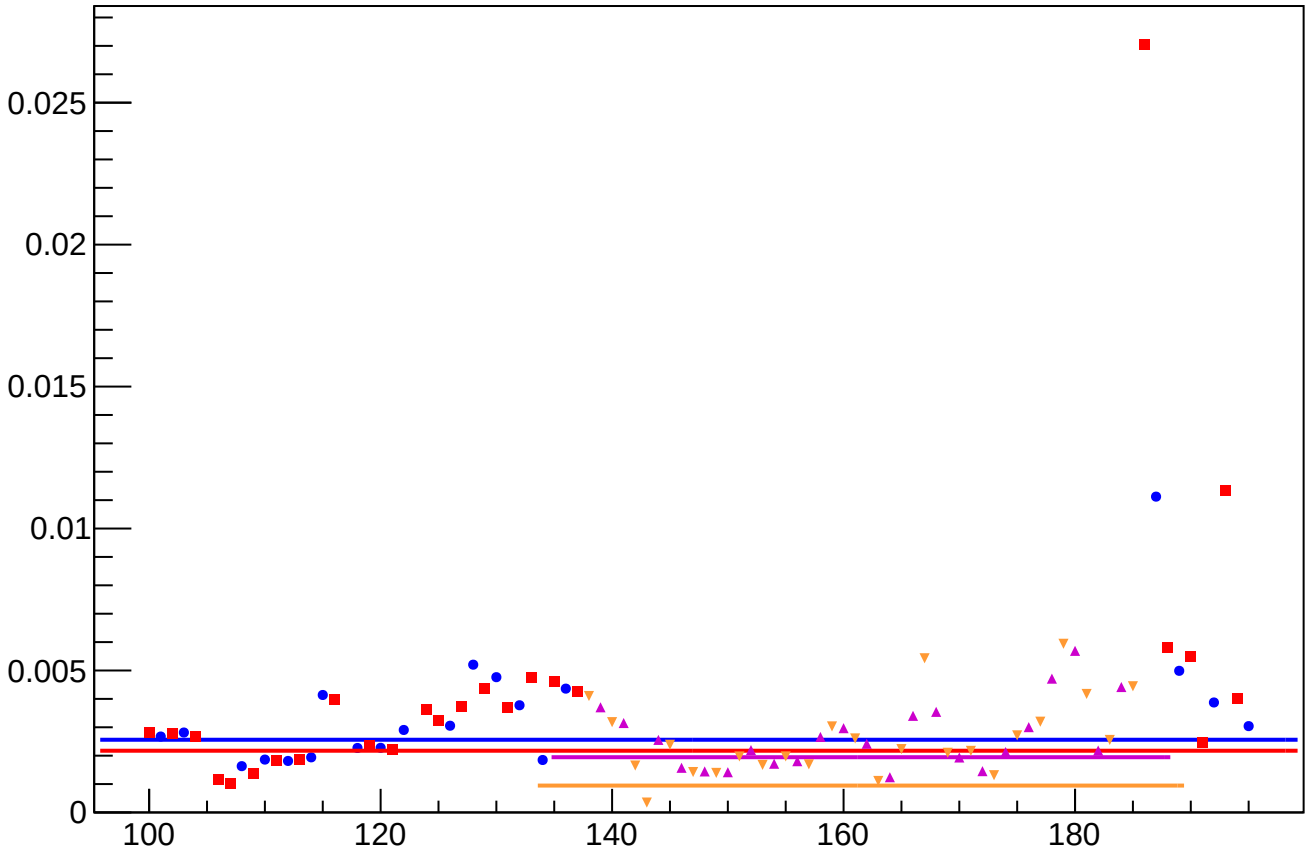
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 48.4/44

In: 0.000+/-0.000 χ^2/NDF:54.6/42

Out: -0.000+/-0.000 χ^2/NDF:96.6/49

All: -0.000+/-0.000 χ^2/NDF: 152.0/92



Right In: 0.003+/-0.000 χ^2/NDF: 2296781.4/19

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5770433.2/24

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

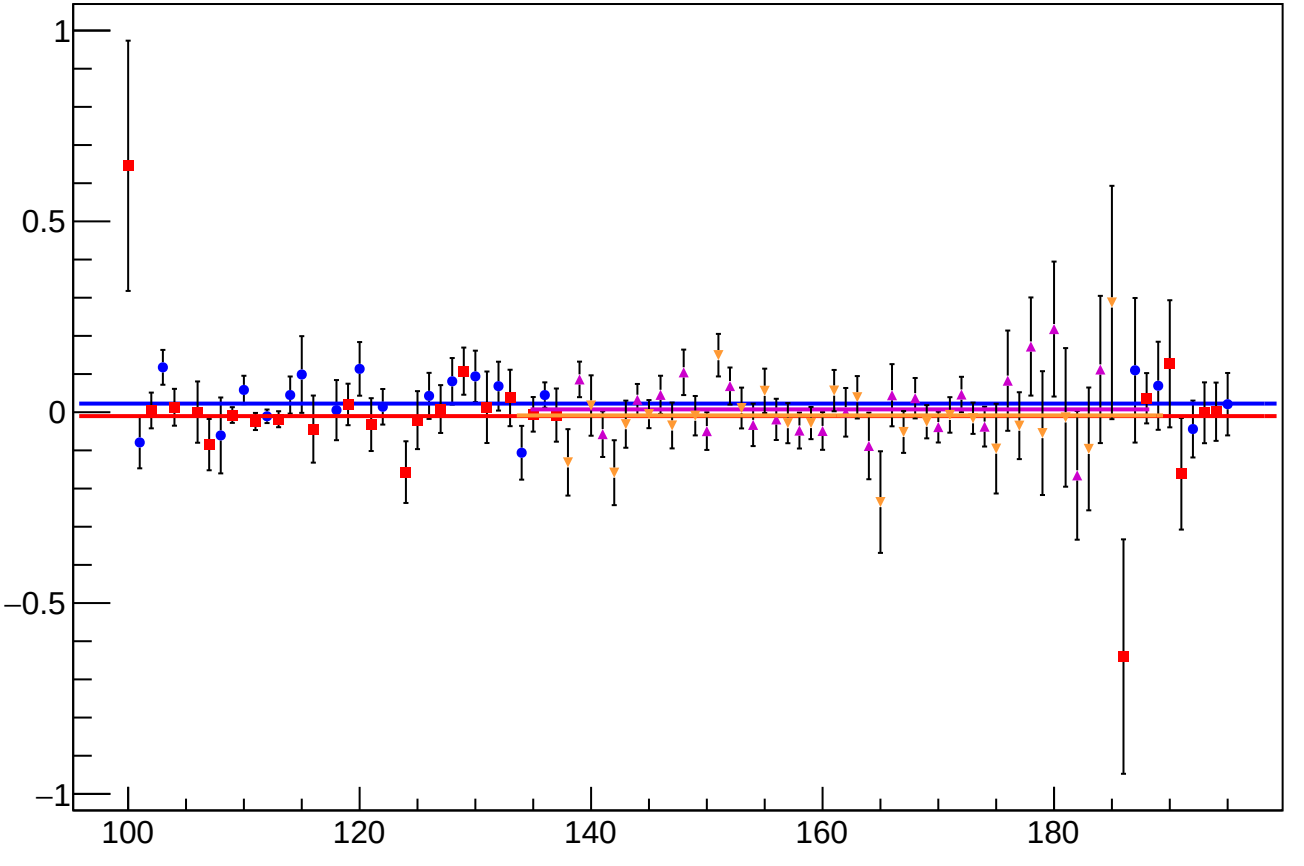
Right: 0.002+/-0.000 χ^2/NDF: 8281054.9/44

In: 0.002+/-0.000 χ^2/NDF:7386454.5/42

Out: 0.001+/-0.000 χ^2/NDF:27709346.0/49

All: 0.001+/-0.000 χ^2/NDF: 42357395.7/92

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/19

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

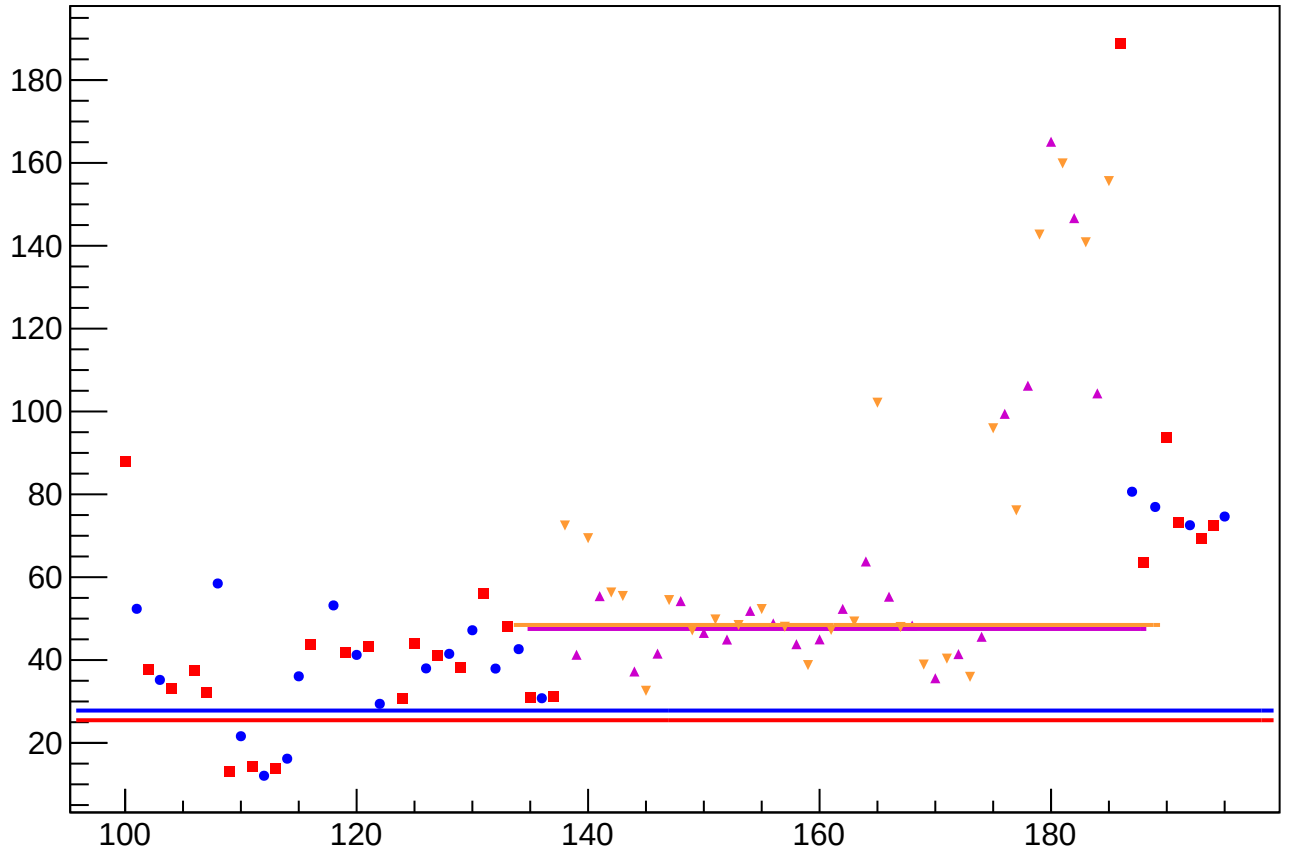
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.004+/-0.007 χ^2/NDF: 47.9/44

In: 0.016+/-0.008 χ^2/NDF:46.0/42

Out: -0.010+/-0.007 χ^2/NDF:43.9/49

All: 0.002+/-0.005 χ^2/NDF: 95.3/92



Right In: 27.811+/-0.008 χ^2/NDF: 4921703.5/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 25.473+/-0.007 χ^2/NDF: 6468068.4/24

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

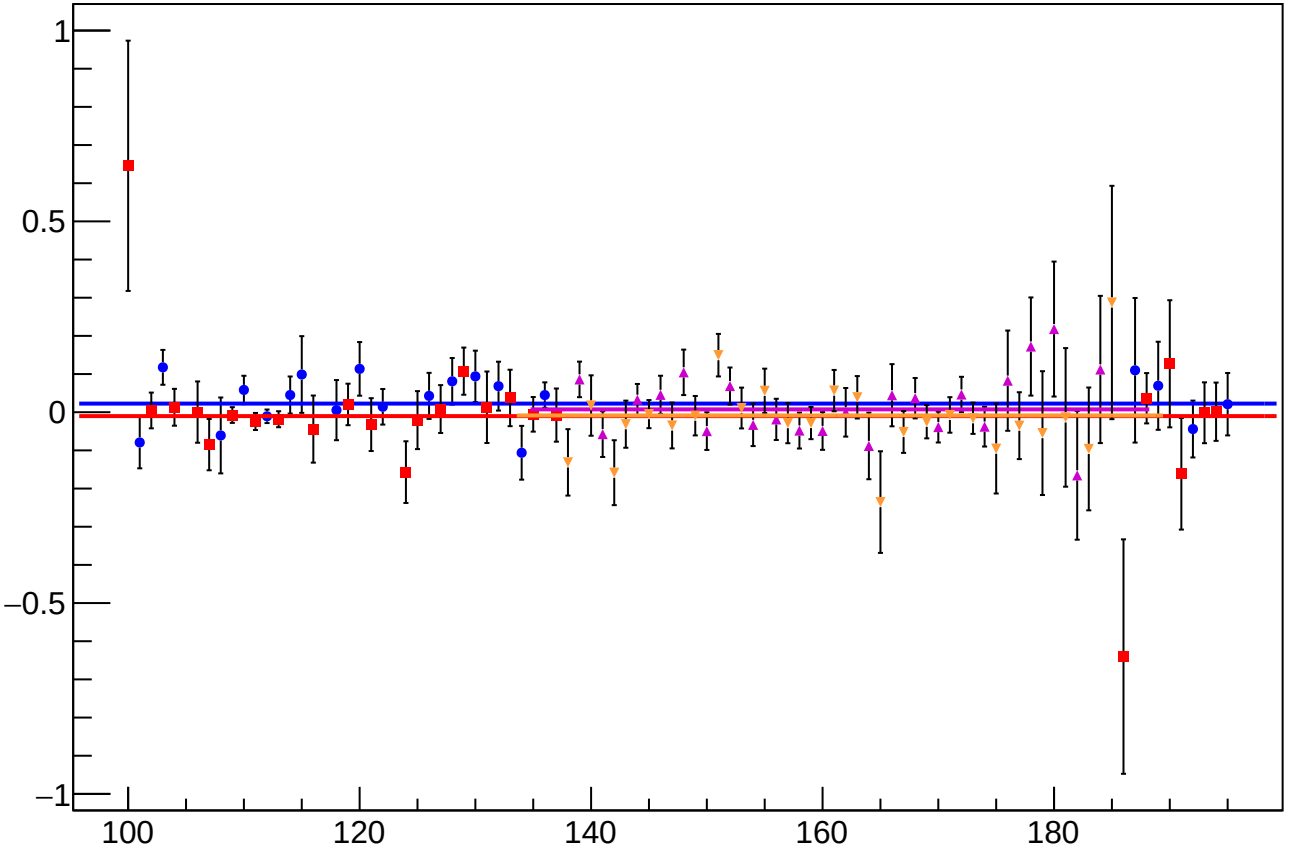
Right: 26.495+/-0.005 χ^2/NDF: 11442661.3/44

In: 36.586+/-0.006 χ^2/NDF:10967641.3/42

Out: 34.336+/-0.005 χ^2/NDF:15351454.9/49

All: 35.378+/-0.004 χ^2/NDF: 26403394.0/92

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/19

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

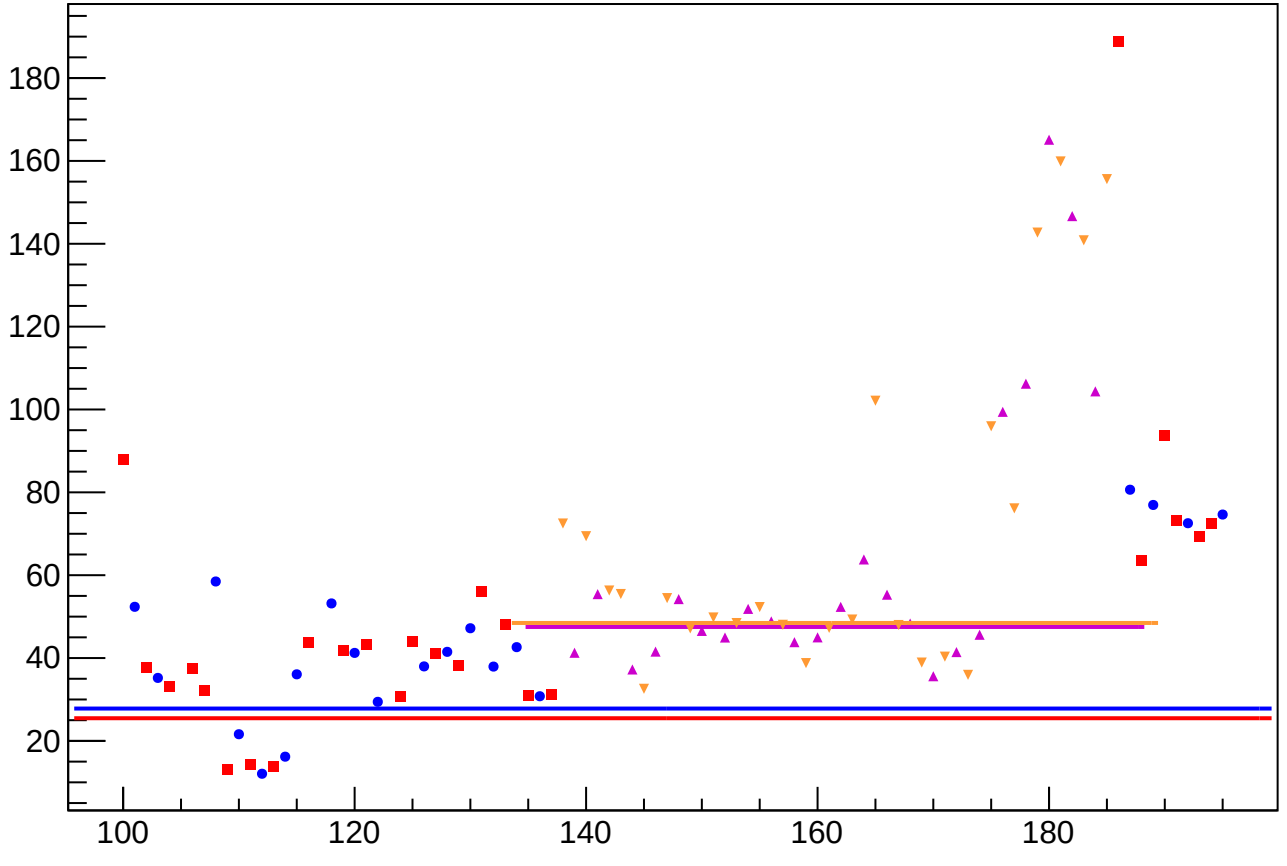
Right: 0.004+/-0.007 χ^2/NDF: 47.9/44

In: 0.016+/-0.008 χ^2/NDF:46.0/42

Out: -0.010+/-0.007 χ^2/NDF:43.9/49

All: 0.002+/-0.005 χ^2/NDF: 95.3/92

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.811+/-0.008 χ^2/NDF: 4921703.5/19

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 25.473+/-0.007 χ^2/NDF: 6468068.4/24

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

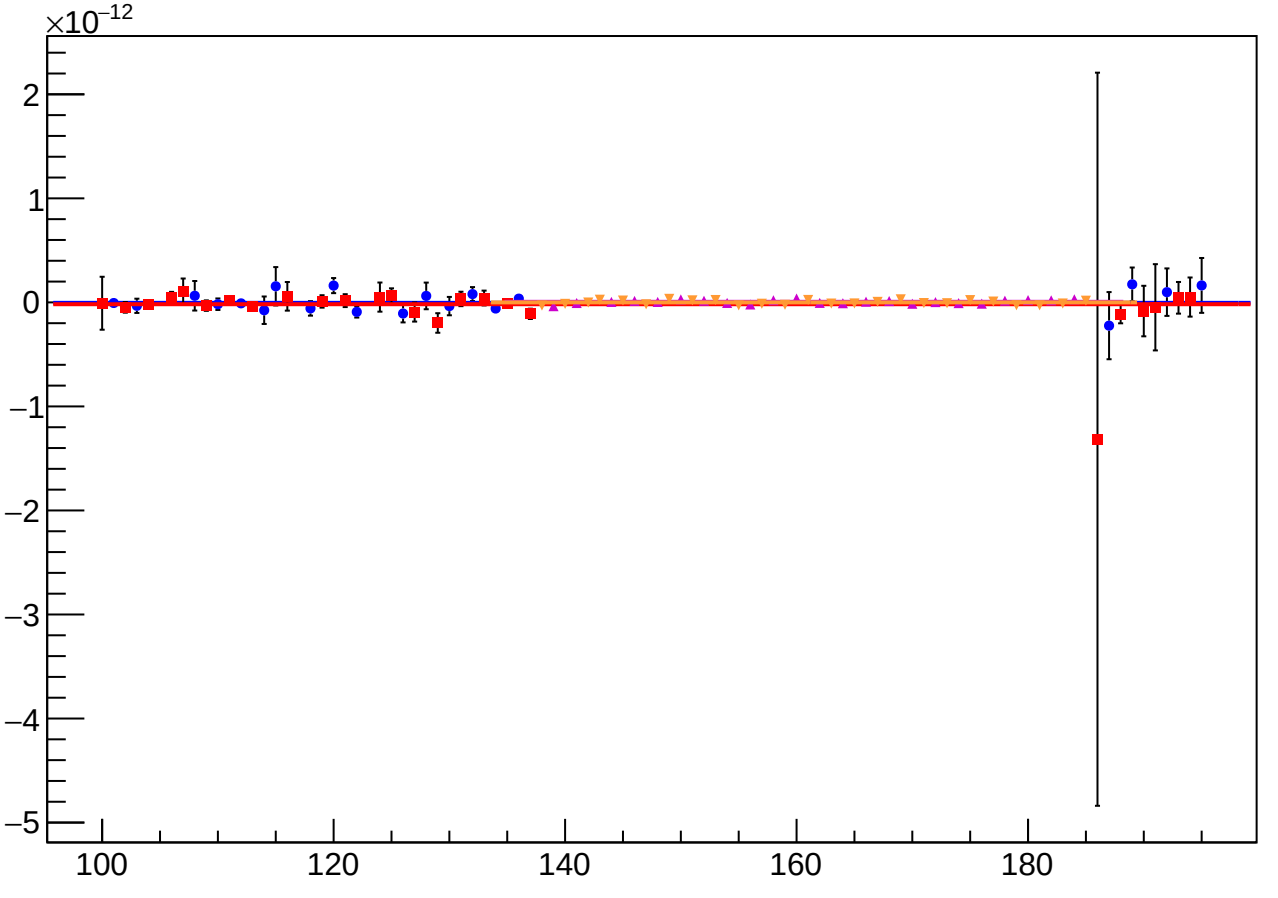
Right: 26.495+/-0.005 χ^2/NDF: 11442661.3/44

In: 36.586+/-0.006 χ^2/NDF:10967641.3/42

Out: 34.336+/-0.005 χ^2/NDF:15351454.9/49

All: 35.378+/-0.004 χ^2/NDF: 26403394.0/92

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/24

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

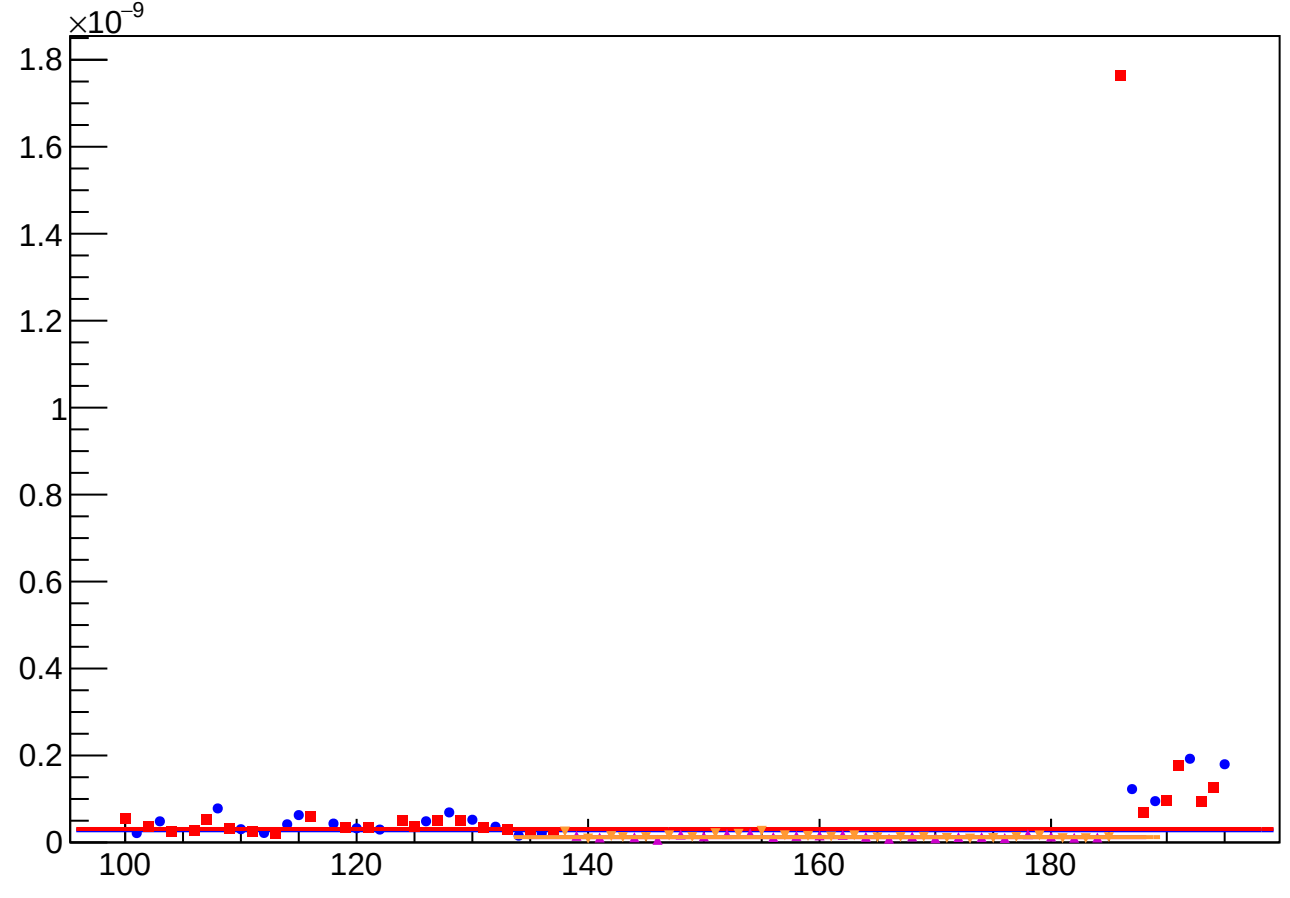
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 38.3/44

In: 0.000+/-0.000 χ^2/NDF:40.8/42

Out: -0.000+/-0.000 χ^2/NDF:49.8/49

All: 0.000+/-0.000 χ^2/NDF: 92.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 3938218.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3059446.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

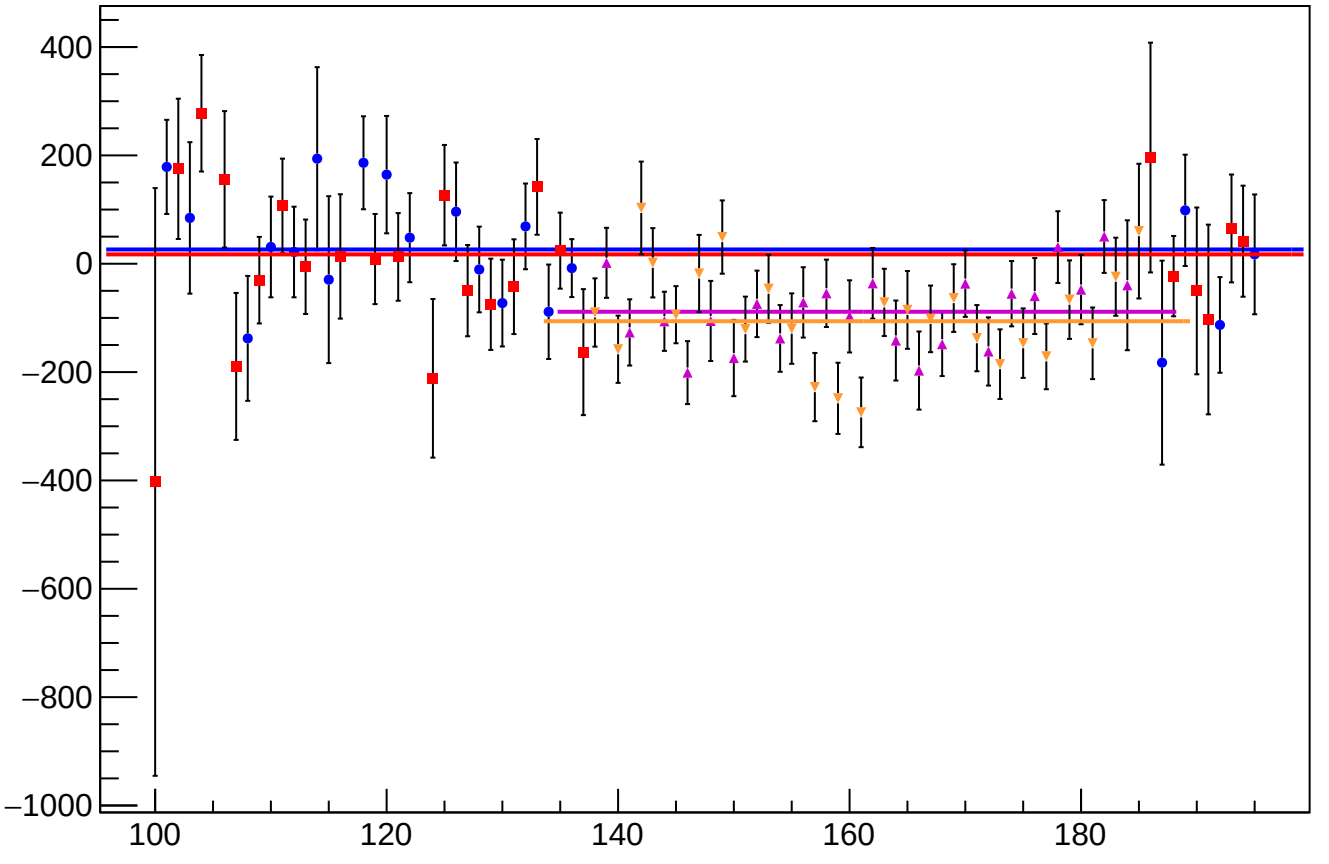
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 7052553.9/44

In: 0.000+/-0.000 χ^2/NDF:8738891.9/42

Out: 0.000+/-0.000 χ^2/NDF:8817862.6/49

All: 0.000+/-0.000 χ^2/NDF: 17557891.4/92



Right In: 26.360+/-20.523 χ^2/NDF: 20.6/19

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 17.253+/-19.938 χ^2/NDF: 25.5/24

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

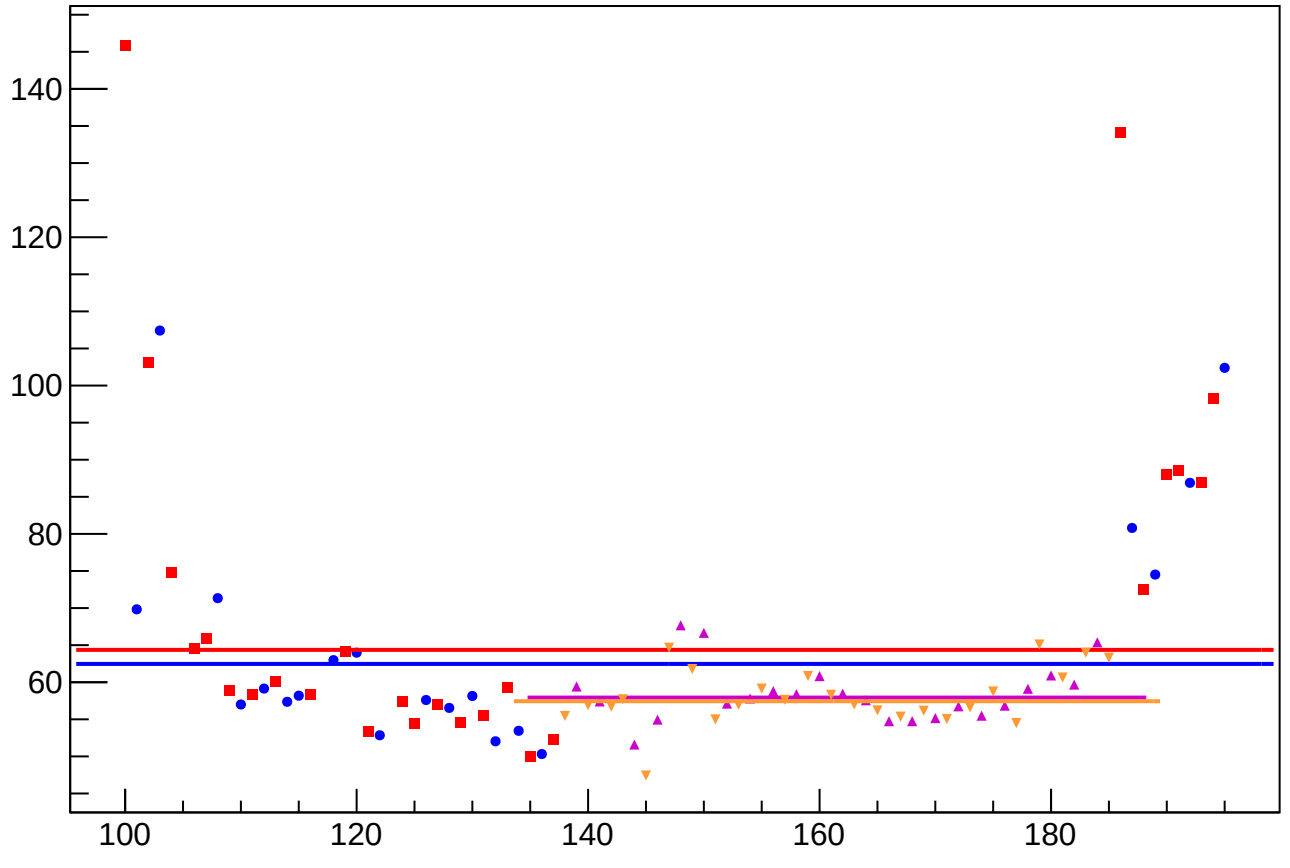
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 21.675+/-14.301 χ^2/NDF: 46.1/44

In: -53.656+/-11.317 χ^2/NDF:66.3/42

Out: -68.949+/-10.942 χ^2/NDF:92.9/49

All: -61.560+/-7.866 χ^2/NDF: 160.2/92



Right In: 62.469+/-0.015 χ^2/NDF: 916576.1/19

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 64.365+/-0.014 χ^2/NDF: 1159072.0/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

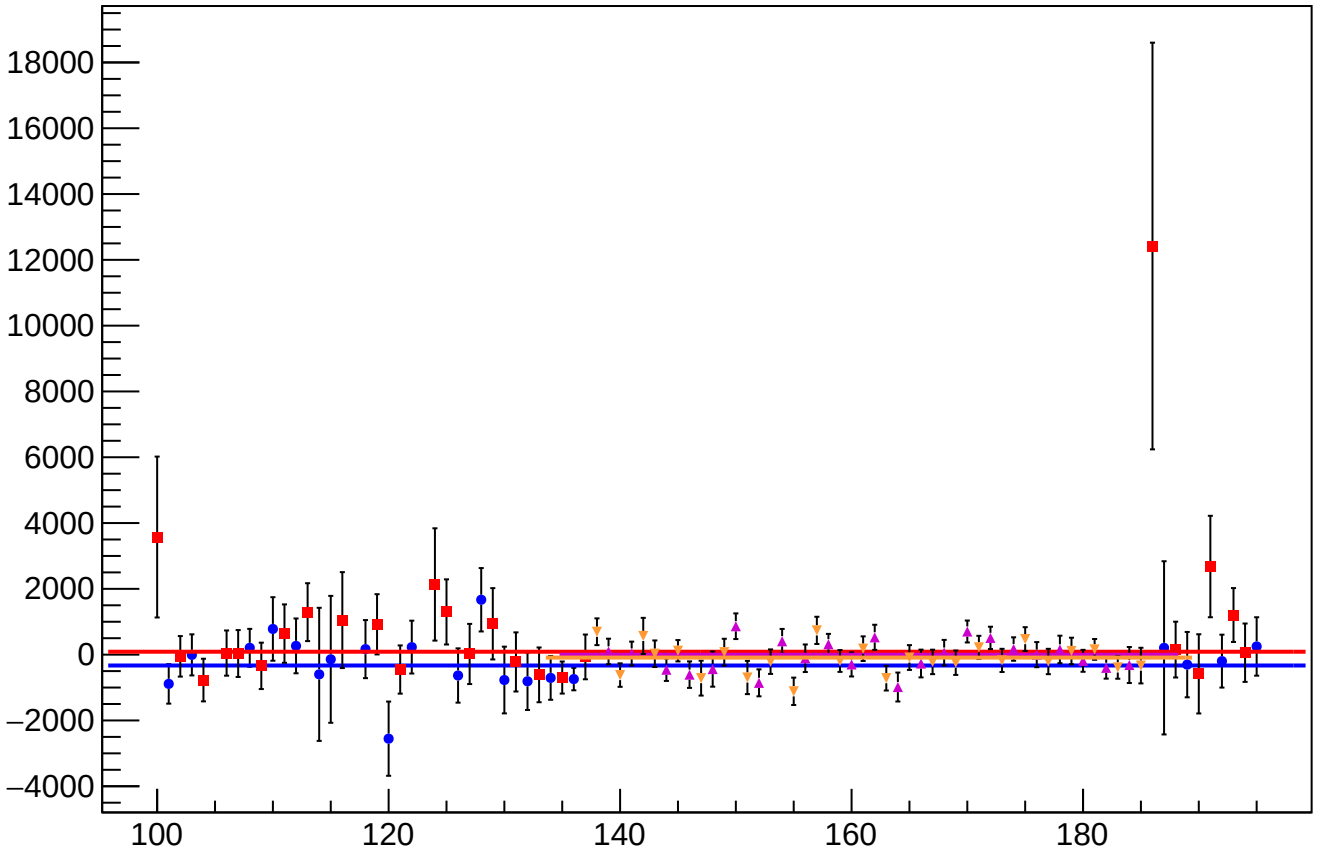
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 63.445+/-0.010 χ^2/NDF: 2084423.9/44

In: 59.312+/-0.008 χ^2/NDF:1120493.5/42

Out: 59.526+/-0.008 χ^2/NDF:1502215.8/49

All: 59.423+/-0.006 χ^2/NDF: 2623077.3/92



Right In: -329.998+/-169.923 χ^2/NDF: 15.8/19

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 88.761+/-168.735 χ^2/NDF: 24.3/24

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

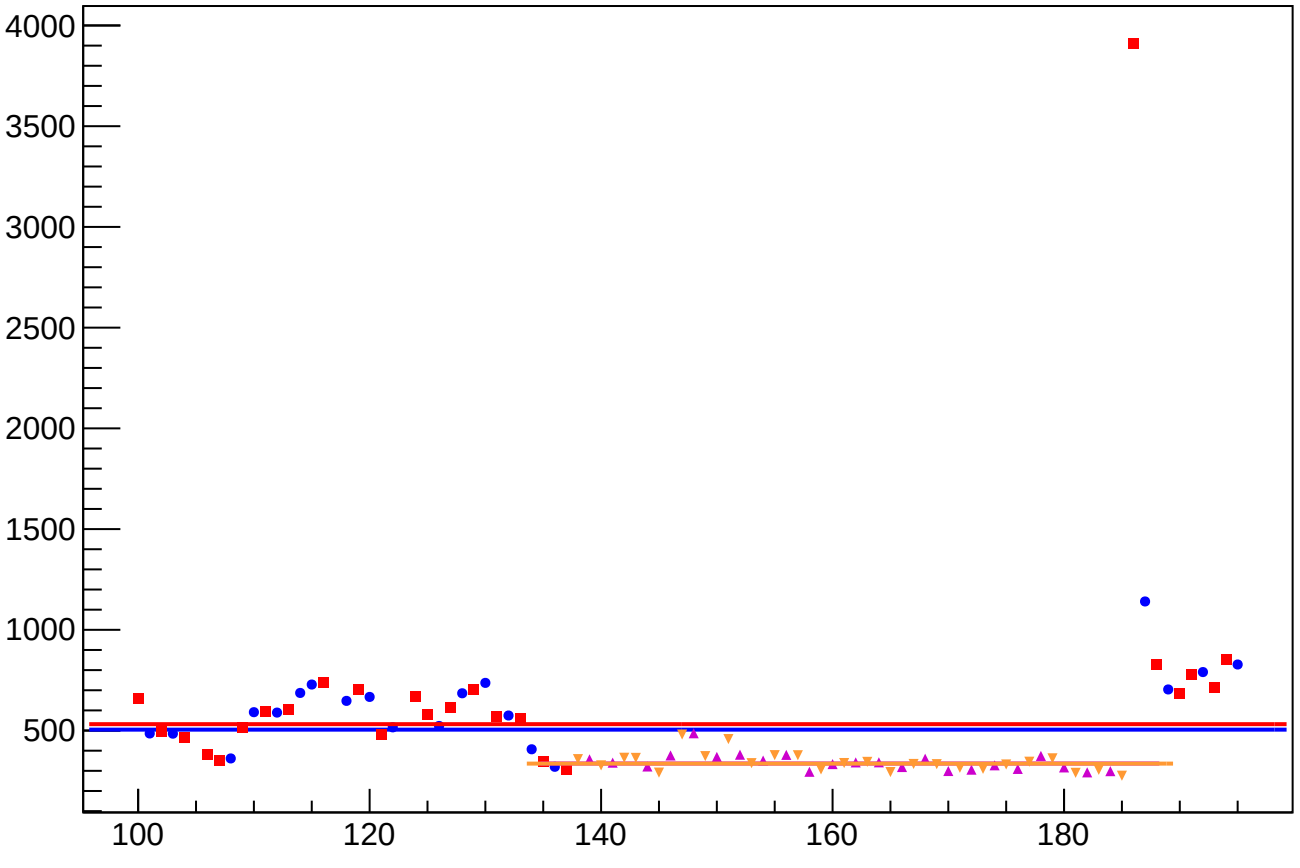
Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

Right: -119.150+/-119.732 χ^2/NDF: 43.1/44

In: -61.389+/-71.780 χ^2/NDF:52.4/42

Out: -58.404+/-70.059 χ^2/NDF:55.1/49

All: -59.860+/-50.137 χ^2/NDF: 107.5/92



Right In: 504.469+/-0.120 χ^2/NDF: 1831860.9/19

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 531.677+/-0.119 χ^2/NDF: 2292579.2/24

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

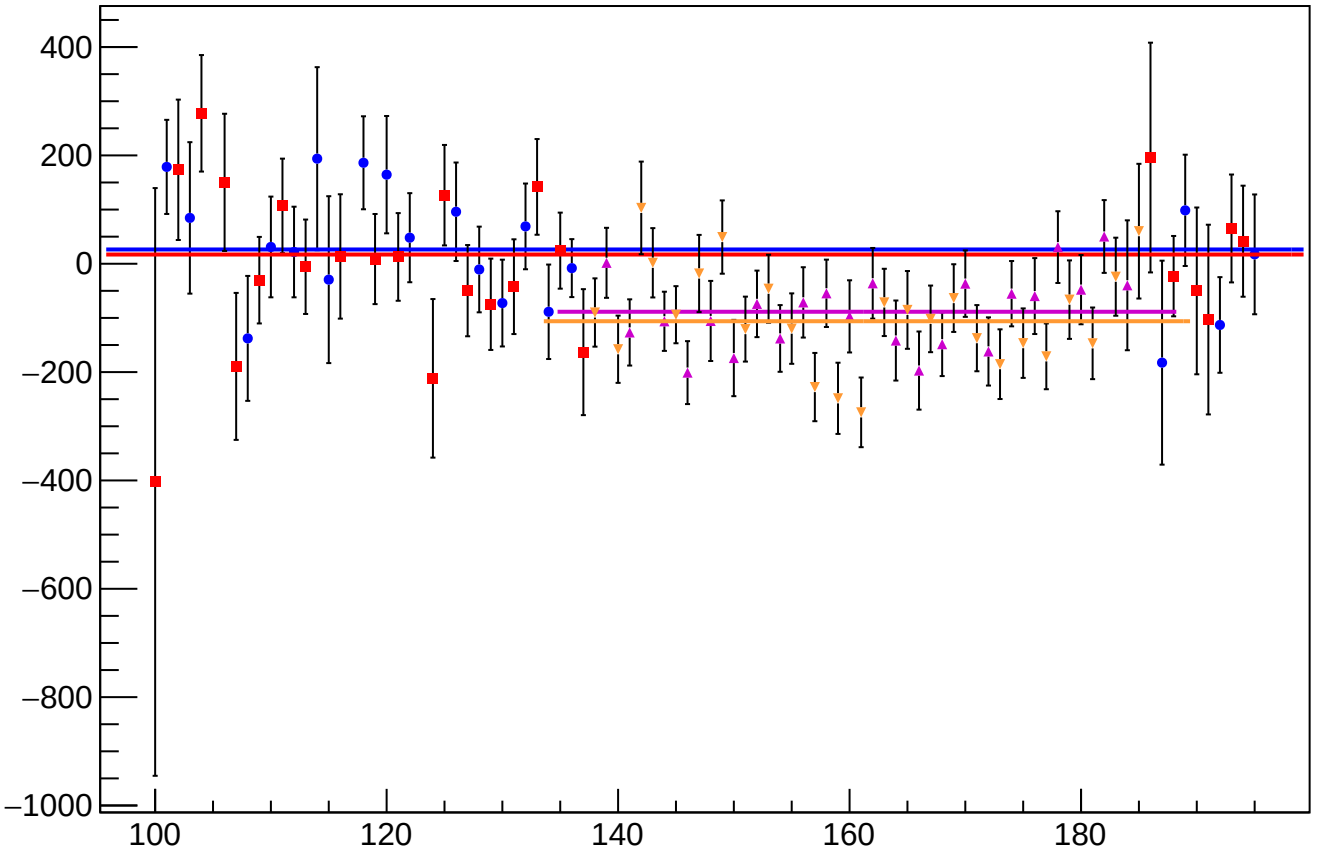
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 518.169+/-0.085 χ^2/NDF: 4150258.9/44

In: 366.345+/-0.051 χ^2/NDF:3854600.8/42

Out: 369.646+/-0.050 χ^2/NDF:5054814.5/49

All: 368.035+/-0.035 χ^2/NDF: 8911581.9/92



Right In: 26.358+/-20.523 χ^2/NDF: 20.6/19

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 17.028+/-19.941 χ^2/NDF: 25.3/24

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

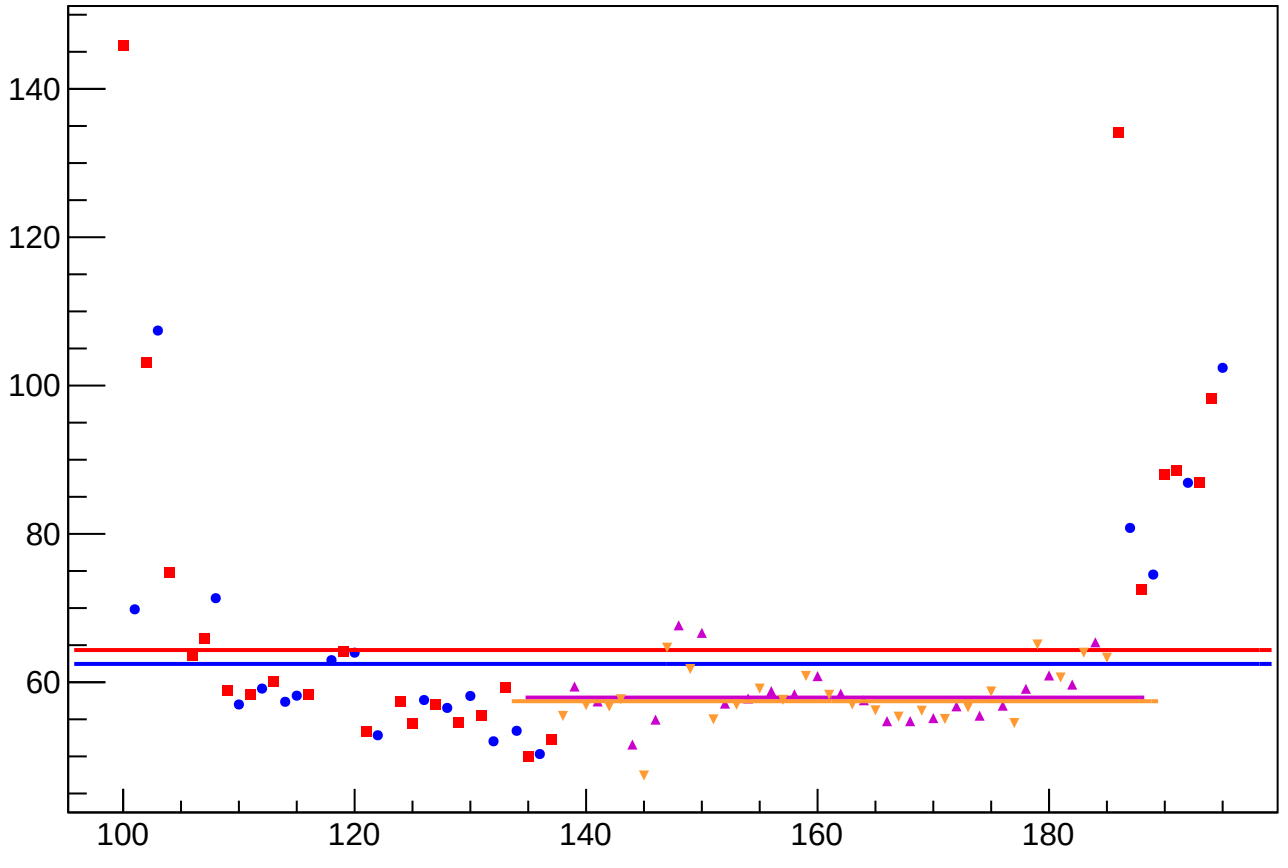
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 21.559+/-14.302 χ^2/NDF: 46.0/44

In: -53.658+/-11.317 χ^2/NDF:66.3/42

Out: -69.024+/-10.942 χ^2/NDF:92.6/49

All: -61.600+/-7.867 χ^2/NDF: 159.9/92



Right In: 62.469+/-0.015 χ^2/NDF: 916578.1/19

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 64.341+/-0.014 χ^2/NDF: 1159355.3/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

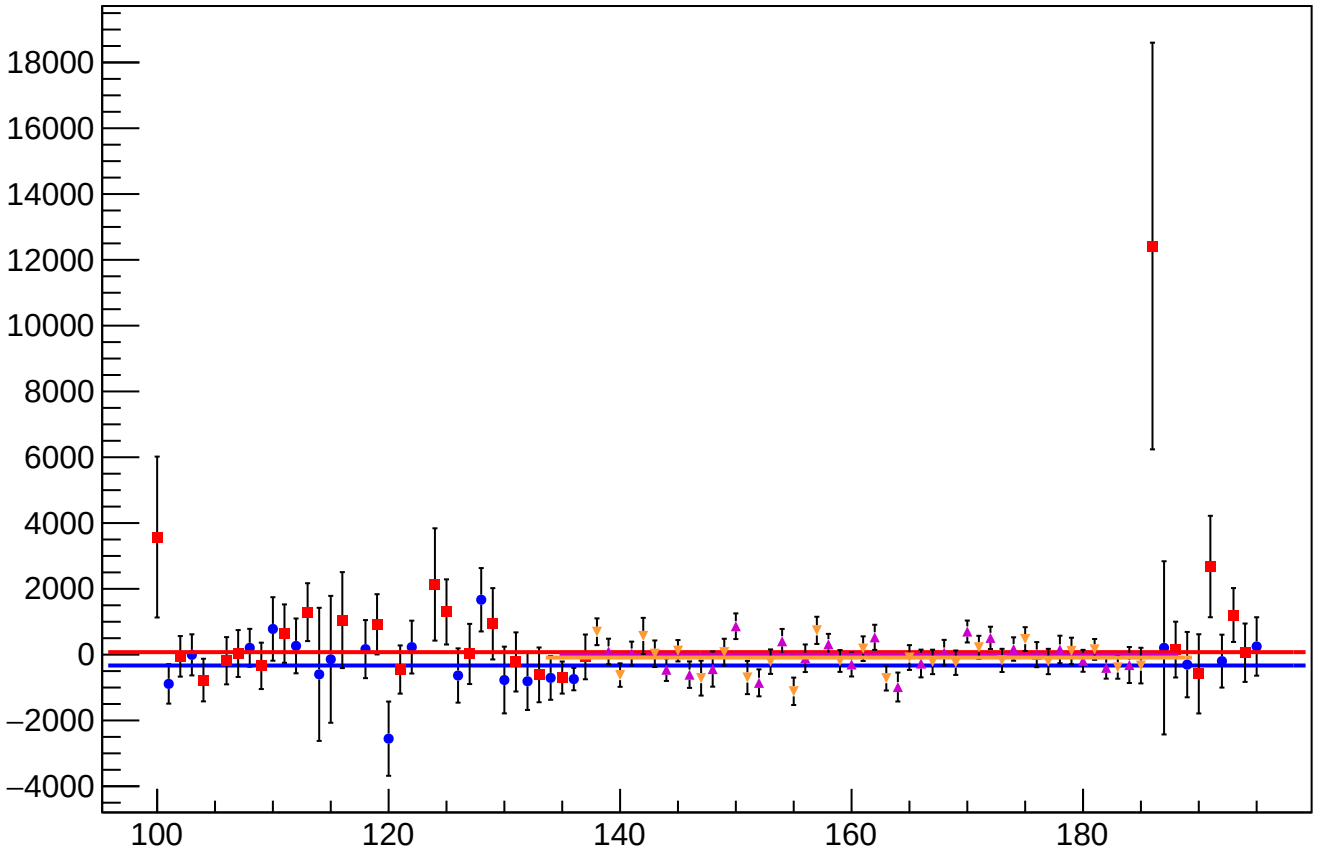
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 63.432+/-0.010 χ^2/NDF: 2084484.2/44

In: 59.312+/-0.008 χ^2/NDF:1120495.6/42

Out: 59.518+/-0.008 χ^2/NDF:1501282.1/49

All: 59.419+/-0.006 χ^2/NDF: 2622119.4/92



Right In: -329.965+/-169.924 χ^2/NDF: 15.8/19

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 76.064+/-169.177 χ^2/NDF: 24.4/24

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

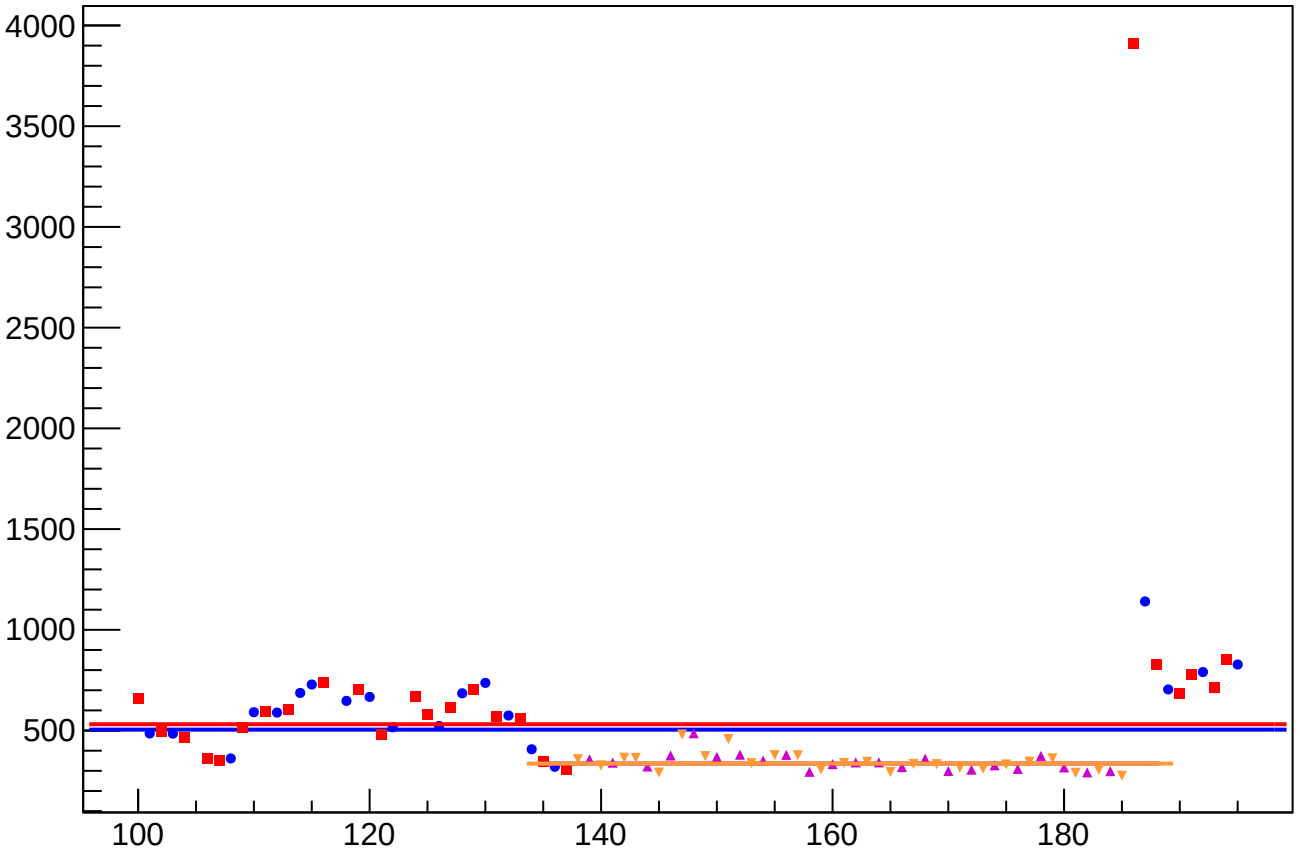
Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

Right: -126.057+/-119.890 χ^2/NDF: 43.1/44

In: -61.384+/-71.780 χ^2/NDF:52.4/42

Out: -60.718+/-70.091 χ^2/NDF:55.1/49

All: -61.043+/-50.148 χ^2/NDF: 107.5/92



Right In: 504.472+/-0.120 χ^2/NDF: 1831850.3/19

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 531.322+/-0.120 χ^2/NDF: 2310416.0/24

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

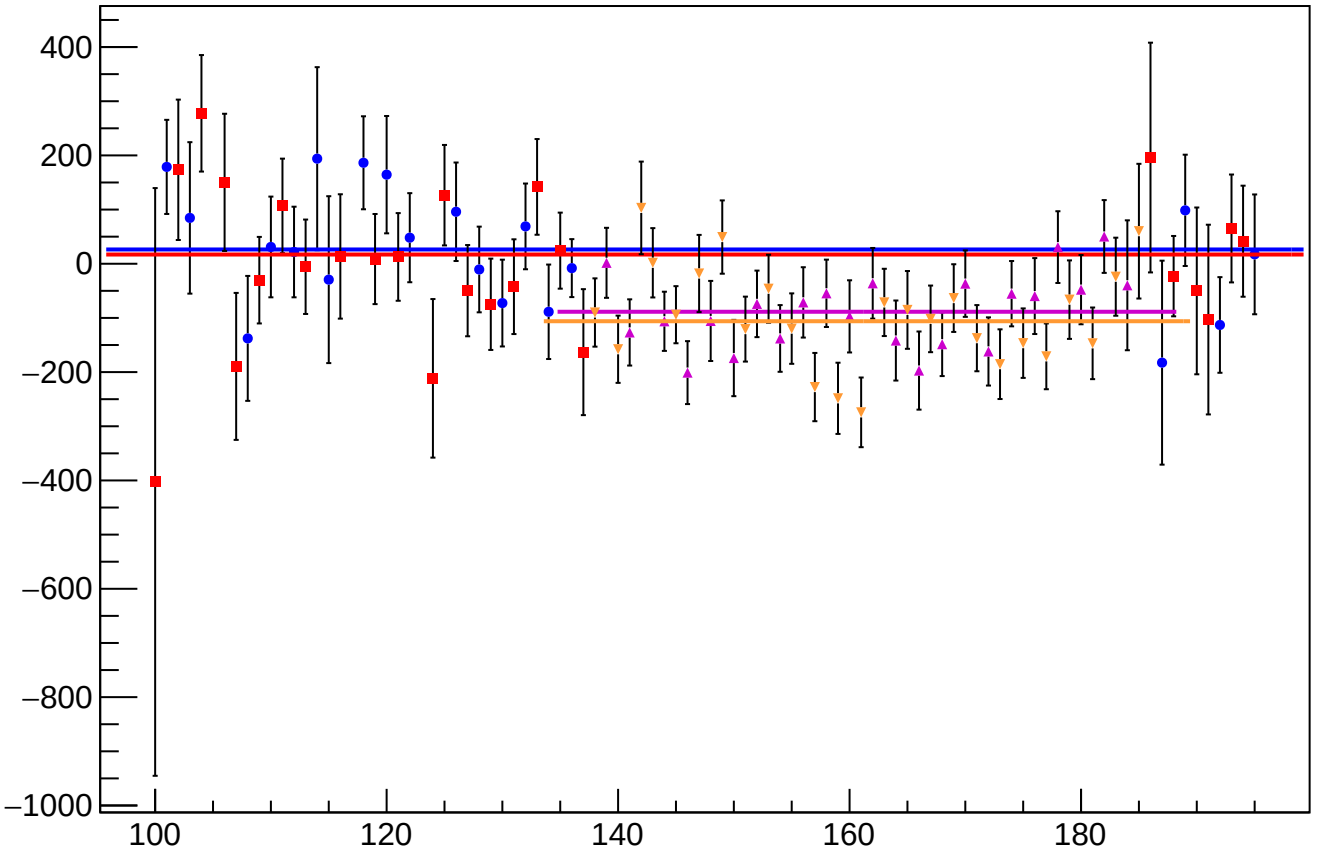
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 517.956+/-0.085 χ^2/NDF: 4167343.6/44

In: 366.345+/-0.051 χ^2/NDF:3854633.3/42

Out: 369.439+/-0.050 χ^2/NDF:5054959.3/49

All: 367.929+/-0.035 χ^2/NDF: 8911494.9/92



Right In: 26.358+/-20.523 χ^2/NDF: 20.6/19

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 17.028+/-19.941 χ^2/NDF: 25.3/24

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

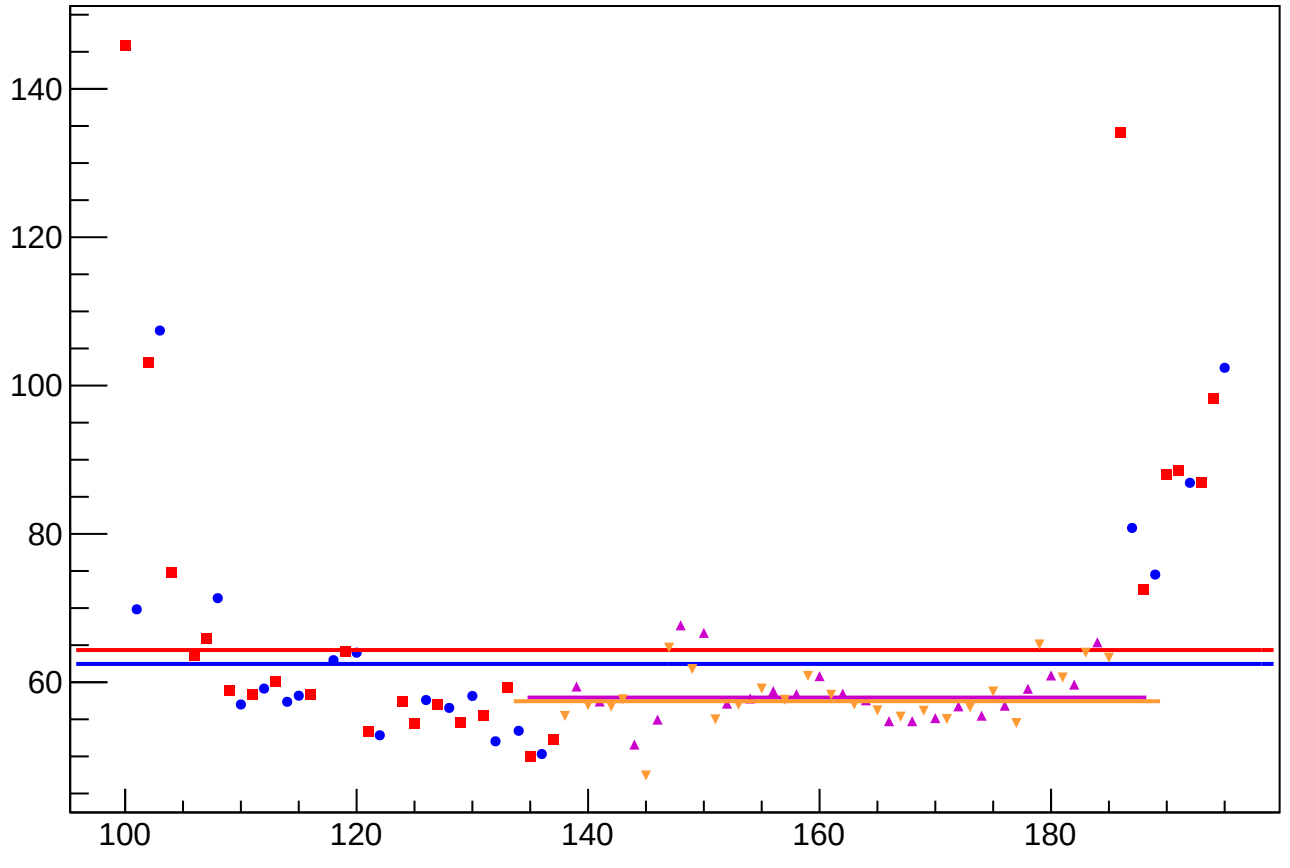
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 21.559+/-14.302 χ^2/NDF: 46.0/44

In: -53.658+/-11.317 χ^2/NDF:66.3/42

Out: -69.024+/-10.942 χ^2/NDF:92.6/49

All: -61.600+/-7.867 χ^2/NDF: 159.9/92



Right In: 62.469+/-0.015 χ^2/NDF: 916578.1/19

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 64.341+/-0.014 χ^2/NDF: 1159355.3/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

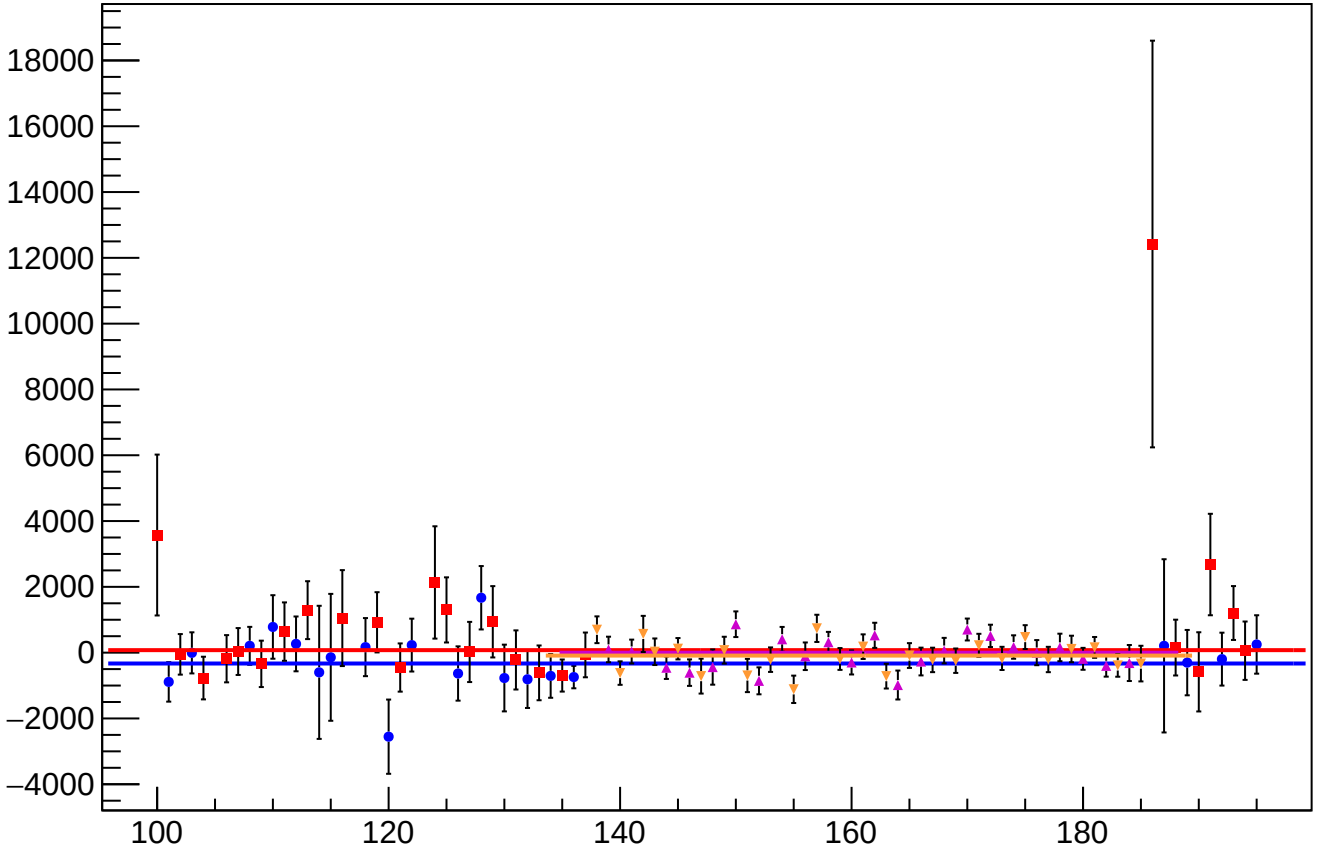
Right: 63.432+/-0.010 χ^2/NDF: 2084484.2/44

In: 59.312+/-0.008 χ^2/NDF:1120495.6/42

Out: 59.518+/-0.008 χ^2/NDF:1501282.1/49

All: 59.419+/-0.006 χ^2/NDF: 2622119.4/92

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -329.965+/-169.924 χ^2/NDF: 15.8/19

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 76.064+/-169.177 χ^2/NDF: 24.4/24

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

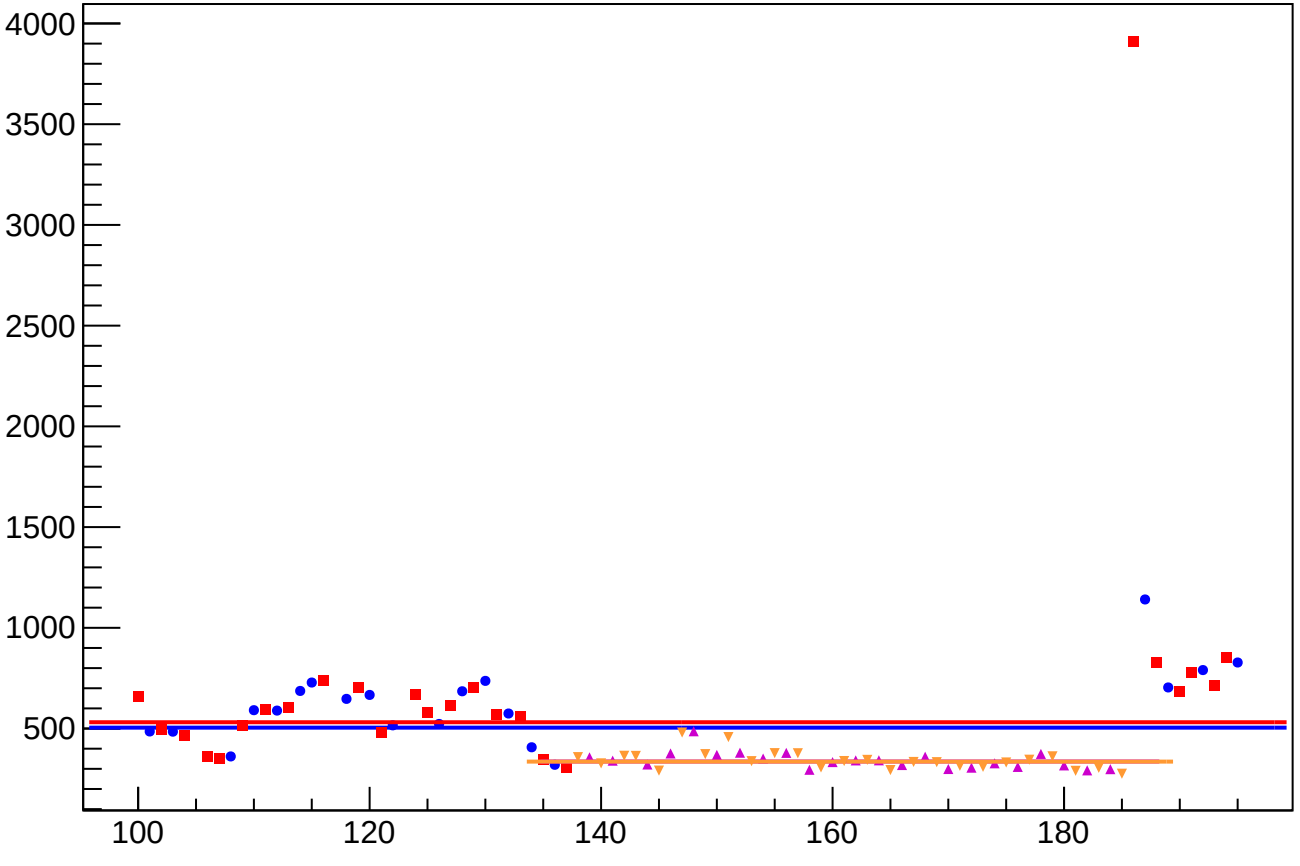
Right: -126.057+/-119.890 χ^2/NDF: 43.1/44

In: -61.384+/-71.780 χ^2/NDF:52.4/42

Out: -60.718+/-70.091 χ^2/NDF:55.1/49

All: -61.043+/-50.148 χ^2/NDF: 107.5/92

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 504.472+/-0.120 χ^2/NDF: 1831850.3/19

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 531.322+/-0.120 χ^2/NDF: 2310416.0/24

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

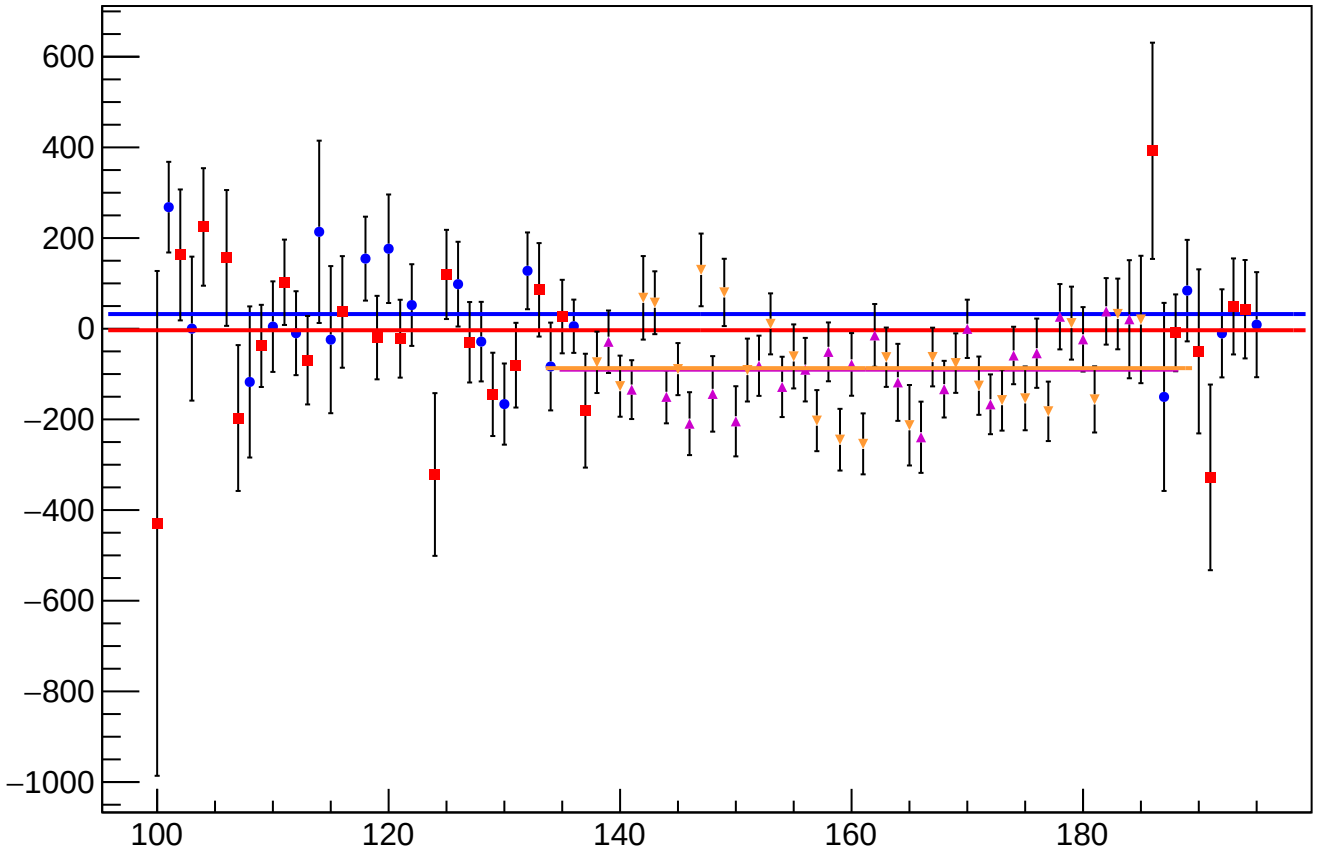
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 517.956+/-0.085 χ^2/NDF: 4167343.6/44

In: 366.345+/-0.051 χ^2/NDF:3854633.3/42

Out: 369.439+/-0.050 χ^2/NDF:5054959.3/49

All: 367.929+/-0.035 χ^2/NDF: 8911494.9/92



Right In: 32.340+/-22.626 χ^2/NDF: 20.9/19

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.345+/-22.128 χ^2/NDF: 26.1/24

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

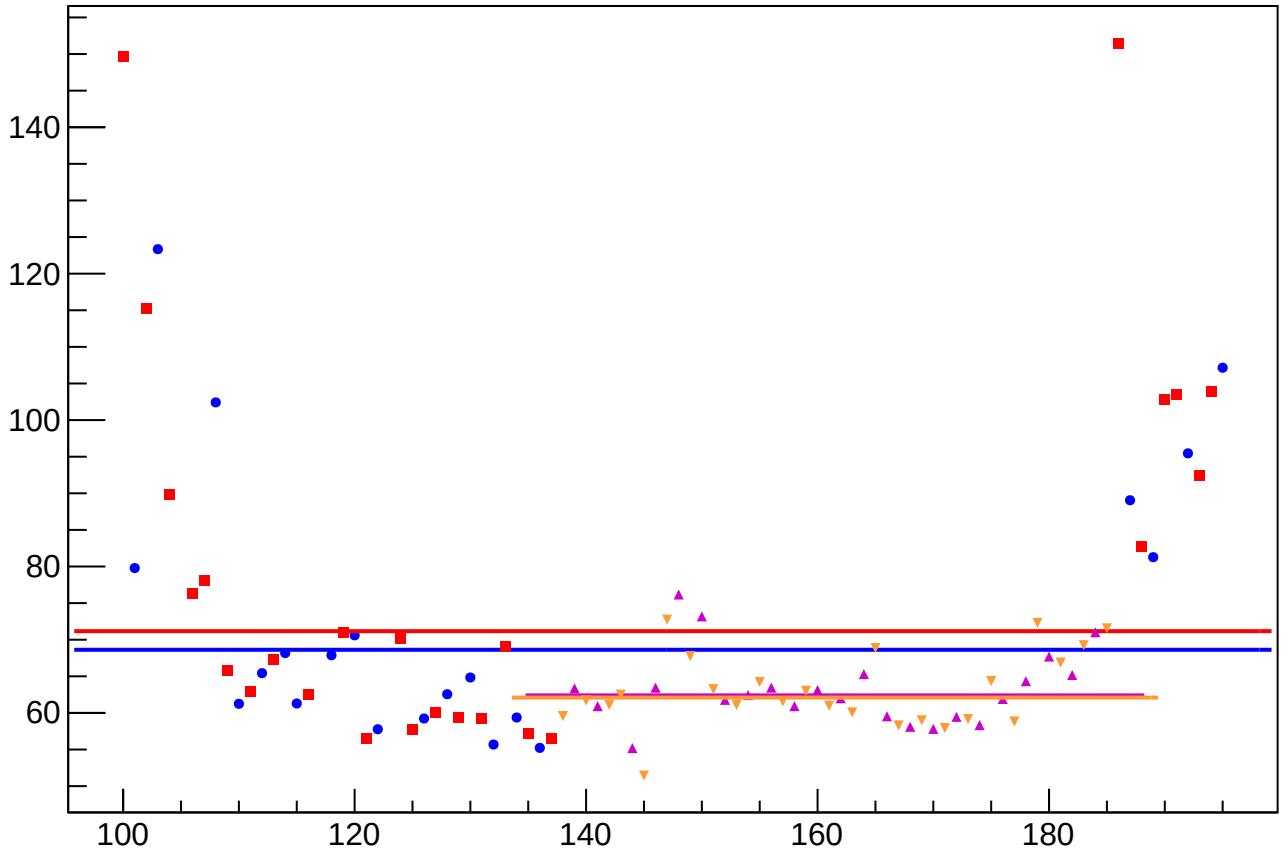
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 14.101+/-15.820 χ^2/NDF: 48.3/44

In: -54.095+/-12.301 χ^2/NDF:66.7/42

Out: -62.630+/-11.936 χ^2/NDF:85.1/49

All: -58.491+/-8.566 χ^2/NDF: 152.0/92



Right In: 68.625+/-0.016 χ^2/NDF: 1012602.1/19

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 71.167+/-0.016 χ^2/NDF: 1228424.8/24

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

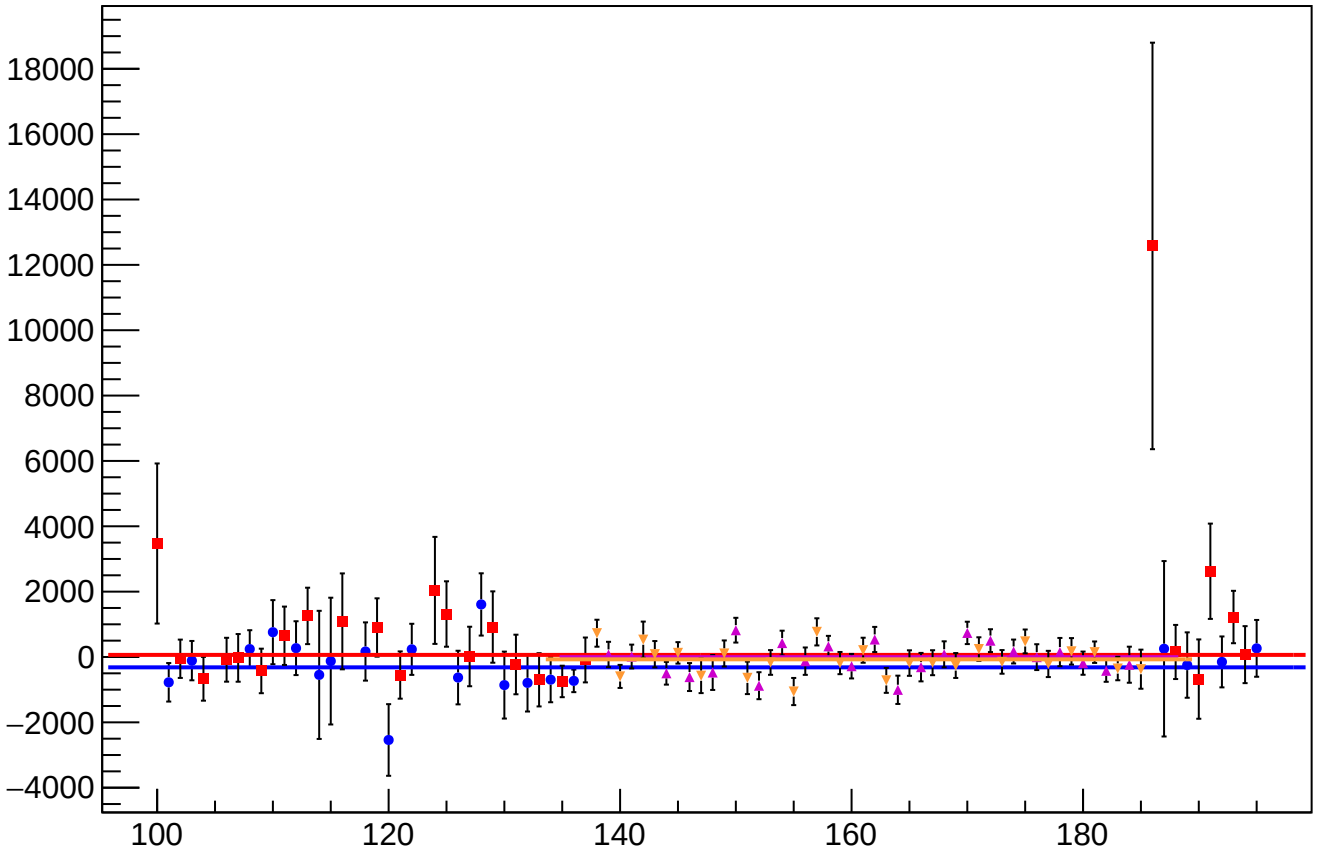
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 69.924+/-0.011 χ^2/NDF: 2253922.2/44

In: 64.237+/-0.009 χ^2/NDF:1308234.9/42

Out: 64.733+/-0.008 χ^2/NDF:1700199.7/49

All: 64.492+/-0.006 χ^2/NDF: 3010112.4/92



Right In: -316.791+/-169.374 χ^2/NDF: 15.4/19

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 64.057+/-167.040 χ^2/NDF: 25.3/24

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

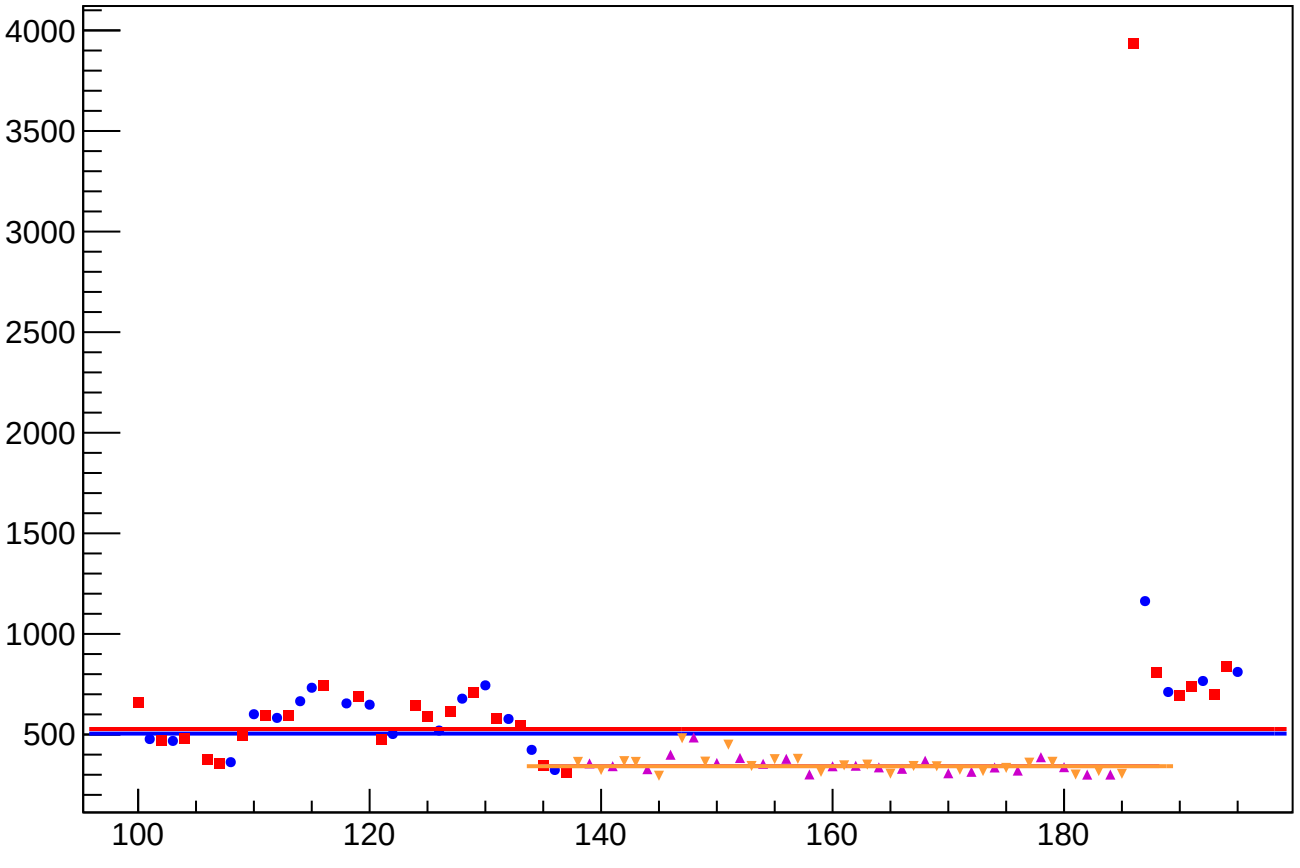
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -123.725+/-118.932 χ^2/NDF: 43.2/44

In: -63.680+/-72.897 χ^2/NDF:52.1/42

Out: -46.885+/-70.971 χ^2/NDF:54.4/49

All: -55.058+/-50.851 χ^2/NDF: 106.6/92



Right In: 504.569+/-0.120 χ^2/NDF: 1749545.4/19

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 527.381+/-0.118 χ^2/NDF: 2238456.9/24

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

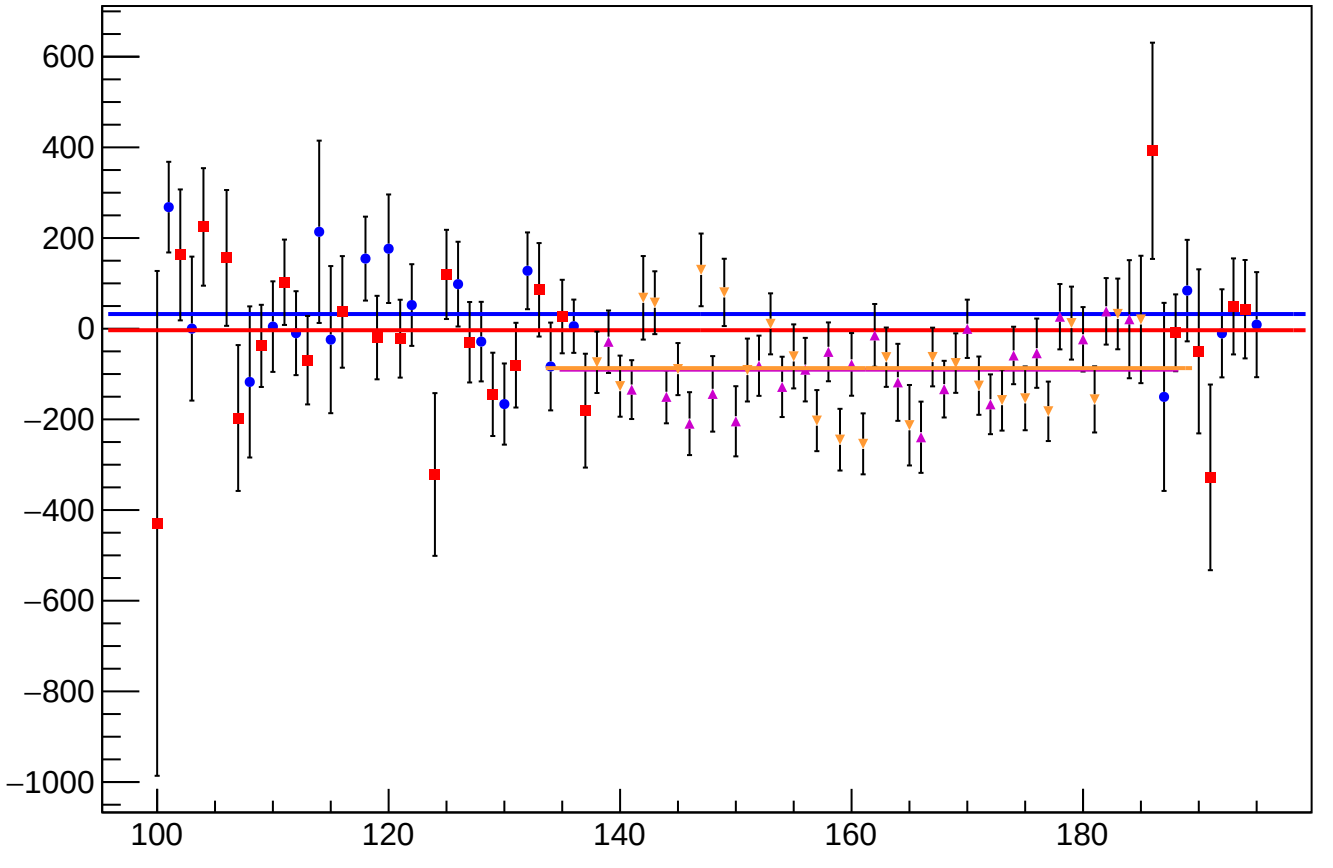
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 516.134+/-0.084 χ^2/NDF: 4006393.7/44

In: 373.128+/-0.052 χ^2/NDF:3600861.7/42

Out: 375.877+/-0.050 χ^2/NDF:4680389.3/49

All: 374.539+/-0.036 χ^2/NDF: 8282710.6/92



Right In: 32.340+/-22.626 χ^2/NDF: 20.9/19

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.345+/-22.128 χ^2/NDF: 26.1/24

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

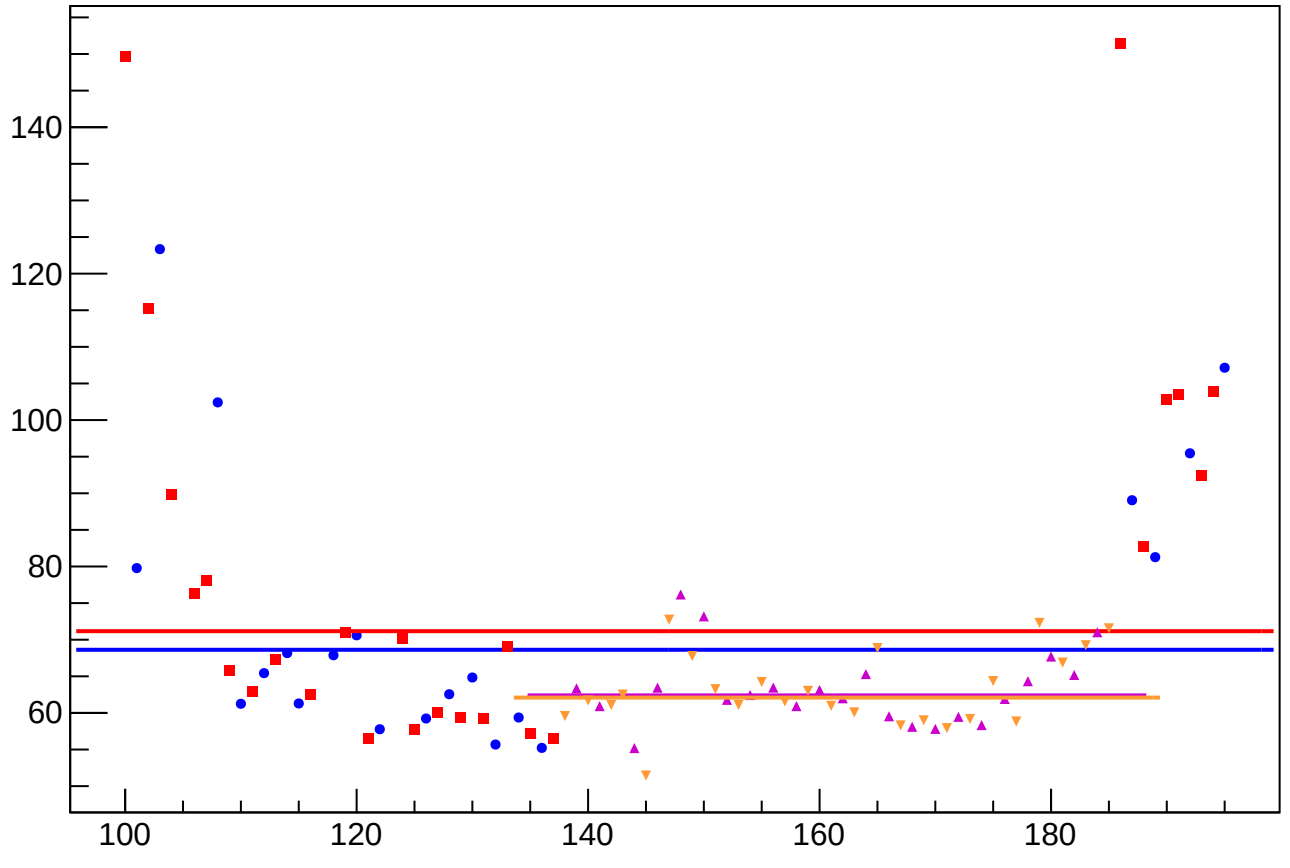
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 14.100+/-15.820 χ^2/NDF: 48.3/44

In: -54.095+/-12.301 χ^2/NDF:66.7/42

Out: -62.630+/-11.936 χ^2/NDF:85.1/49

All: -58.491+/-8.566 χ^2/NDF: 152.0/92



Right In: 68.625+/-0.016 χ^2/NDF: 1012622.3/19

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 71.167+/-0.016 χ^2/NDF: 1228429.4/24

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

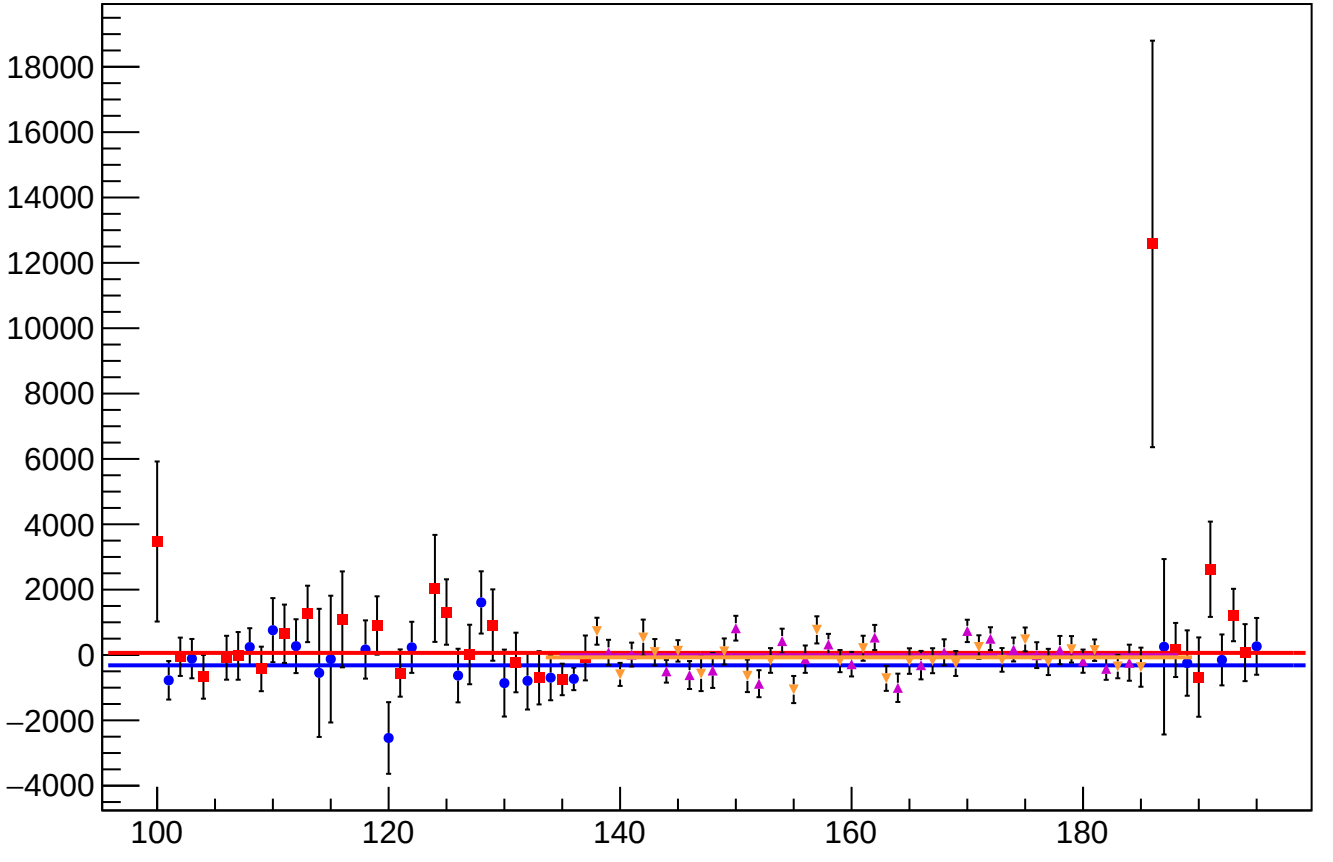
Right: 69.924+/-0.011 χ^2/NDF: 2253947.1/44

In: 64.237+/-0.009 χ^2/NDF:1308254.4/42

Out: 64.733+/-0.008 χ^2/NDF:1700205.2/49

All: 64.492+/-0.006 χ^2/NDF: 3010137.3/92

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.791+/-169.374 χ^2/NDF: 15.4/19

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 64.056+/-167.039 χ^2/NDF: 25.3/24

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

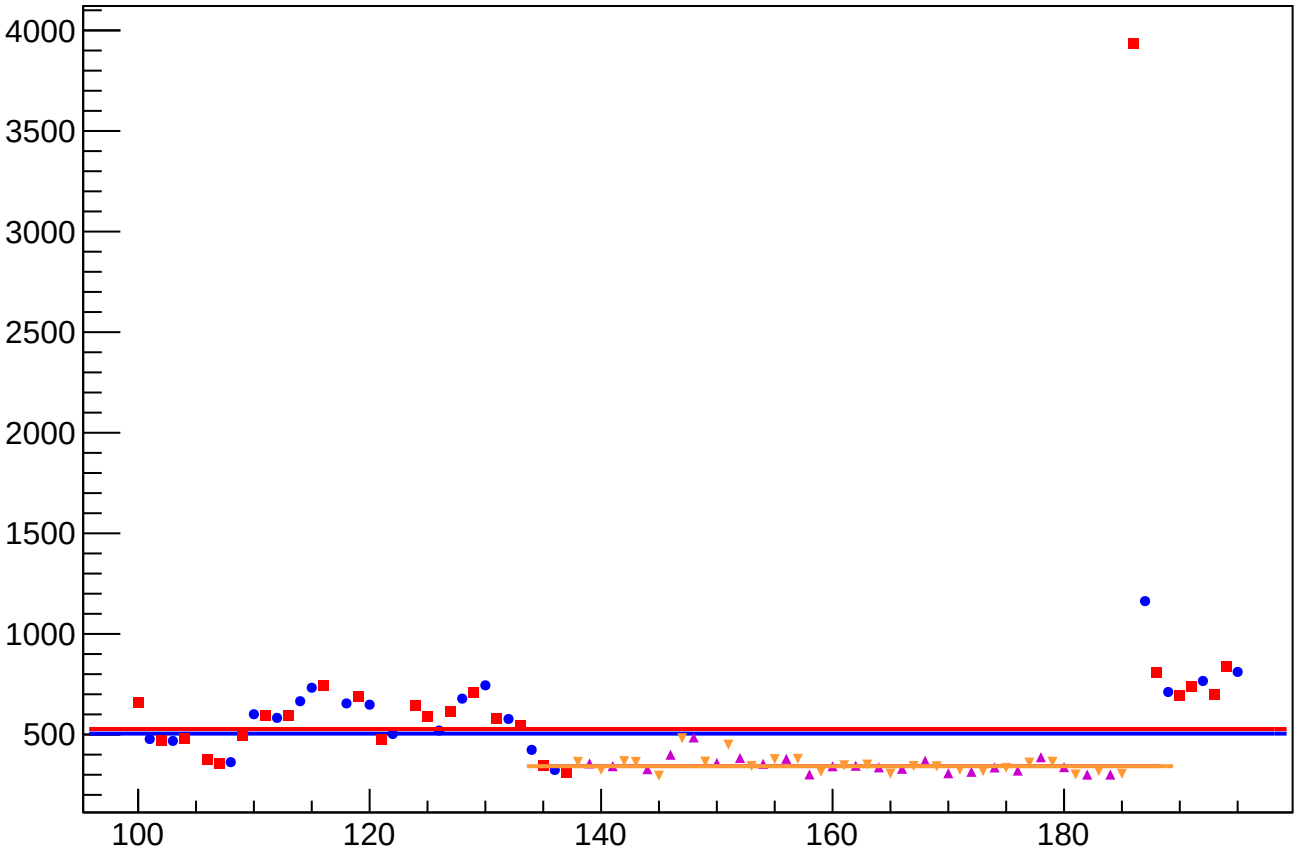
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -123.725+/-118.931 χ^2/NDF: 43.2/44

In: -63.680+/-72.897 χ^2/NDF:52.1/42

Out: -46.885+/-70.971 χ^2/NDF:54.4/49

All: -55.058+/-50.851 χ^2/NDF: 106.6/92



Right In: 504.569+/-0.120 χ^2/NDF: 1749546.7/19

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 527.380+/-0.118 χ^2/NDF: 2238457.7/24

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

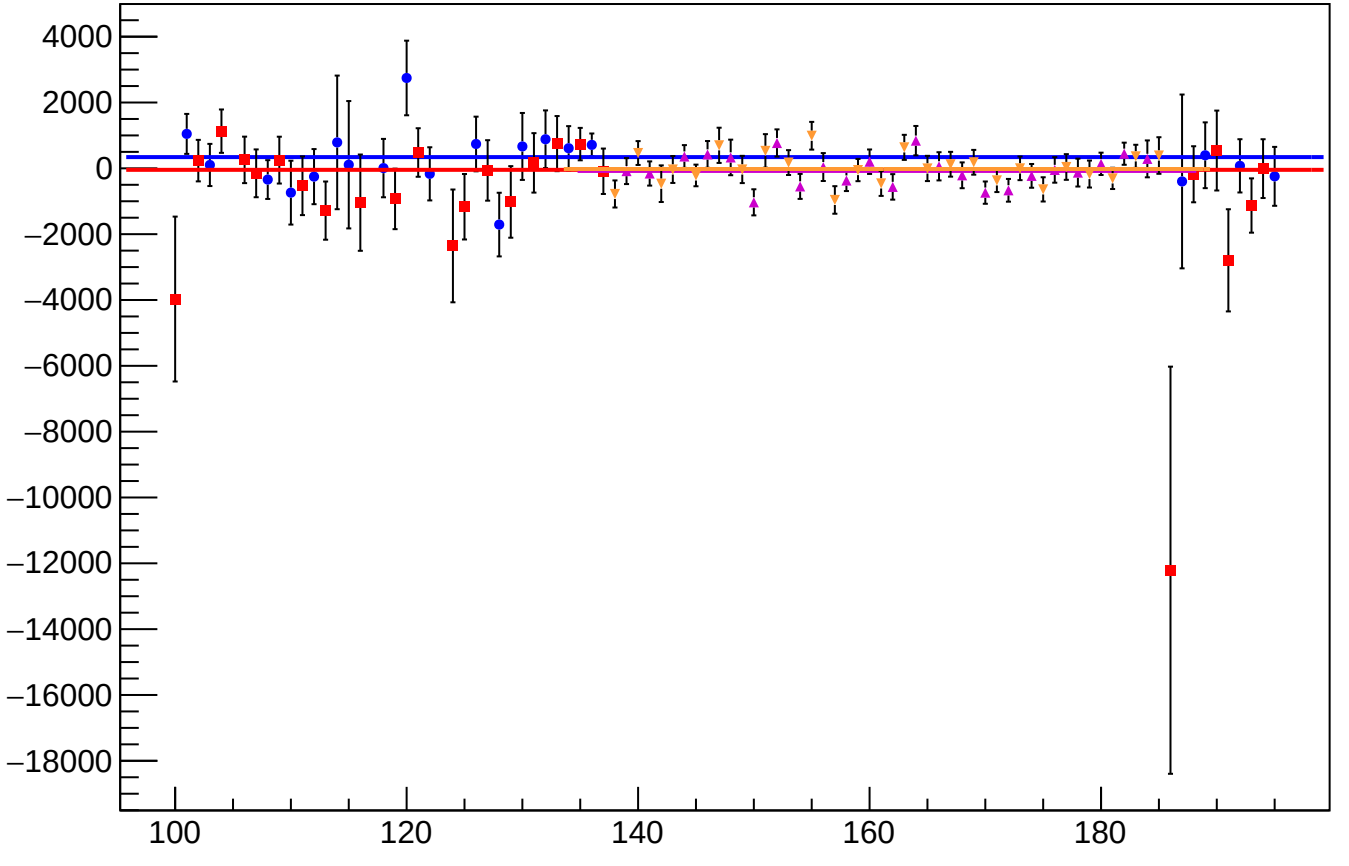
Right: 516.133+/-0.084 χ^2/NDF: 4006395.5/44

In: 373.128+/-0.052 χ^2/NDF:3600854.0/42

Out: 375.877+/-0.050 χ^2/NDF:4680379.5/49

All: 374.539+/-0.036 χ^2/NDF: 8282692.8/92

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 341.500+/-171.765 χ^2/NDF: 16.8/19

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -45.502+/-170.602 χ^2/NDF: 26.7/24

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

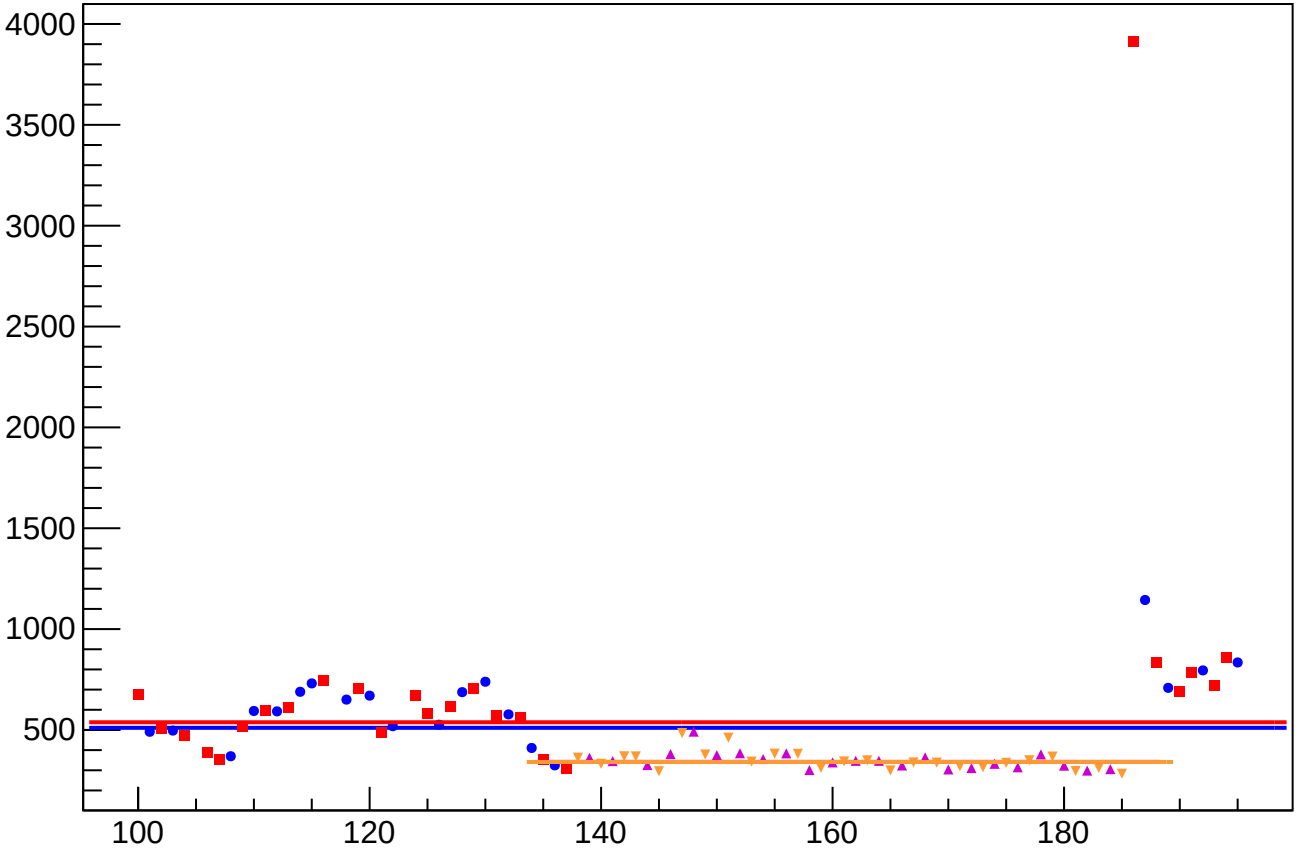
Right: 146.685+/-121.043 χ^2/NDF: 46.1/44

In: -3.180+/-72.825 χ^2/NDF:54.6/42

Out: -24.653+/-71.085 χ^2/NDF:58.2/49

All: -14.176+/-50.869 χ^2/NDF: 112.9/92

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 510.583+/-0.121 χ^2/NDF: 1788814.8/19

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 538.073+/-0.121 χ^2/NDF: 2246801.3/24

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

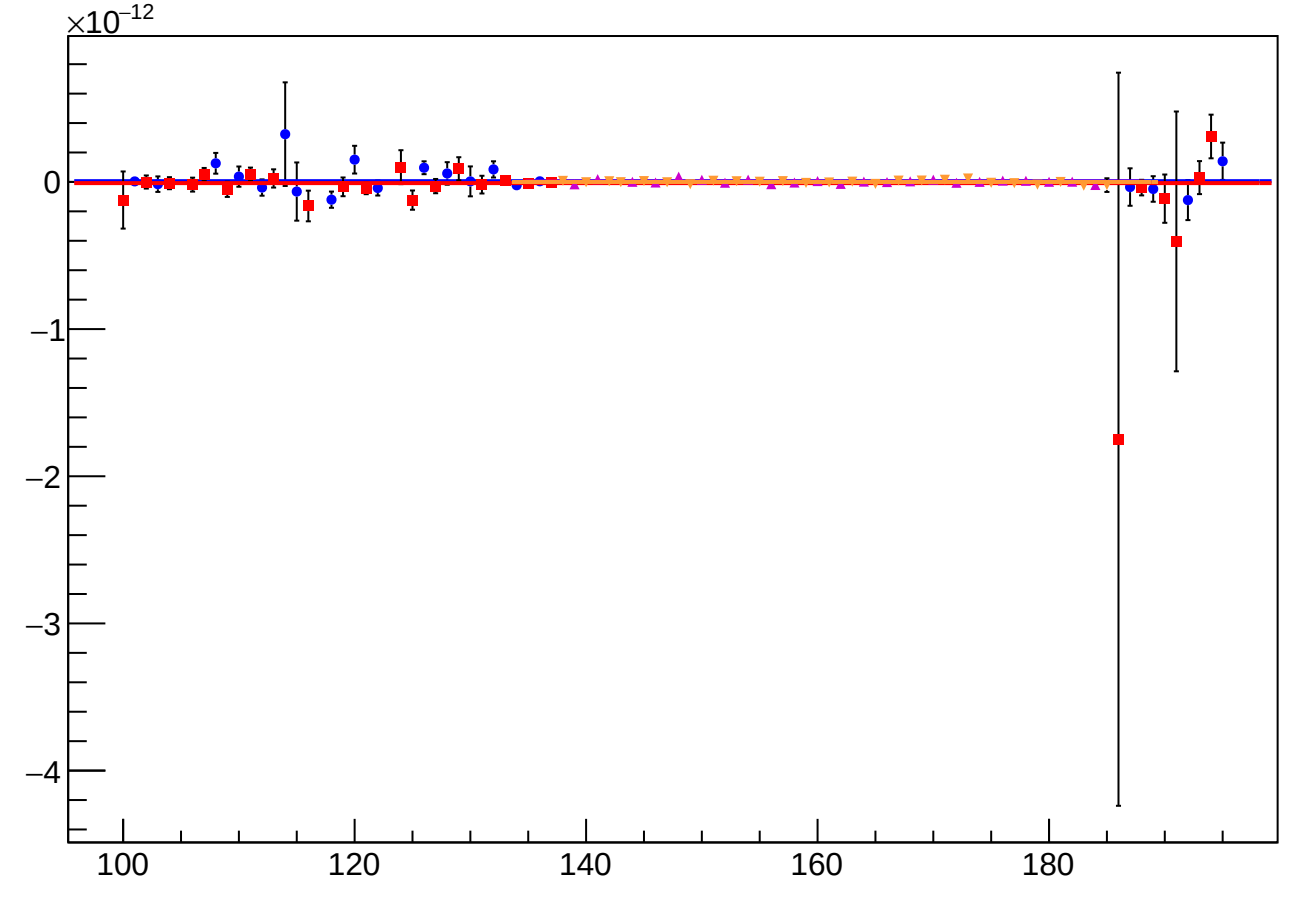
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 524.421+/-0.086 χ^2/NDF: 4061404.7/44

In: 371.995+/-0.051 χ^2/NDF:3773048.8/42

Out: 375.379+/-0.050 χ^2/NDF:4958650.6/49

All: 373.728+/-0.036 χ^2/NDF: 8733911.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/24

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

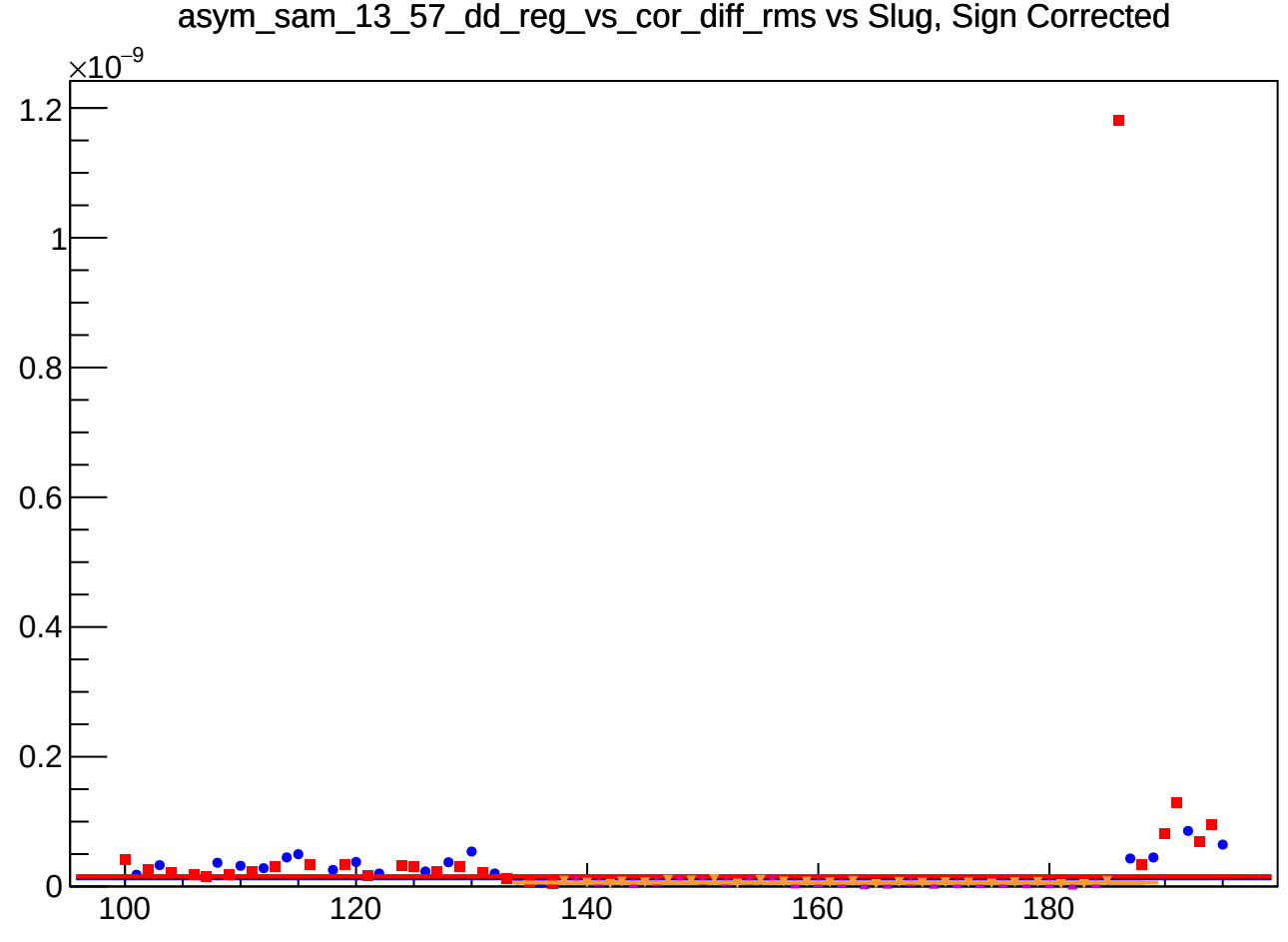
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 44.9/44

In: 0.000+/-0.000 χ^2/NDF:38.1/42

Out: -0.000+/-0.000 χ^2/NDF:40.0/49

All: 0.000+/-0.000 χ^2/NDF: 79.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 4168952.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3880138.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

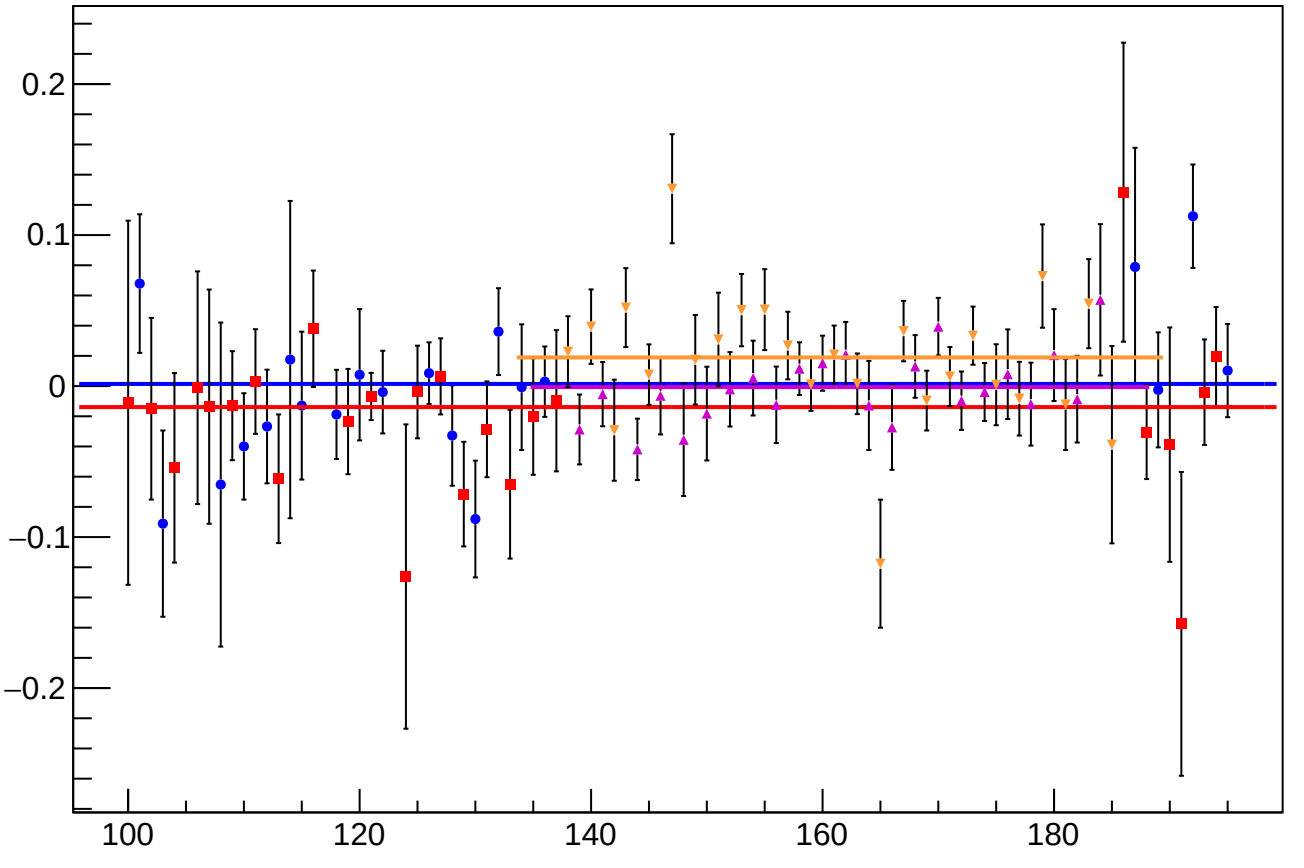
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8196362.9/44

In: 0.000+/-0.000 χ^2/NDF:7103977.3/42

Out: 0.000+/-0.000 χ^2/NDF:7231781.1/49

All: 0.000+/-0.000 χ^2/NDF: 14343802.3/92



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.007 χ^2/NDF: 15.7/24

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

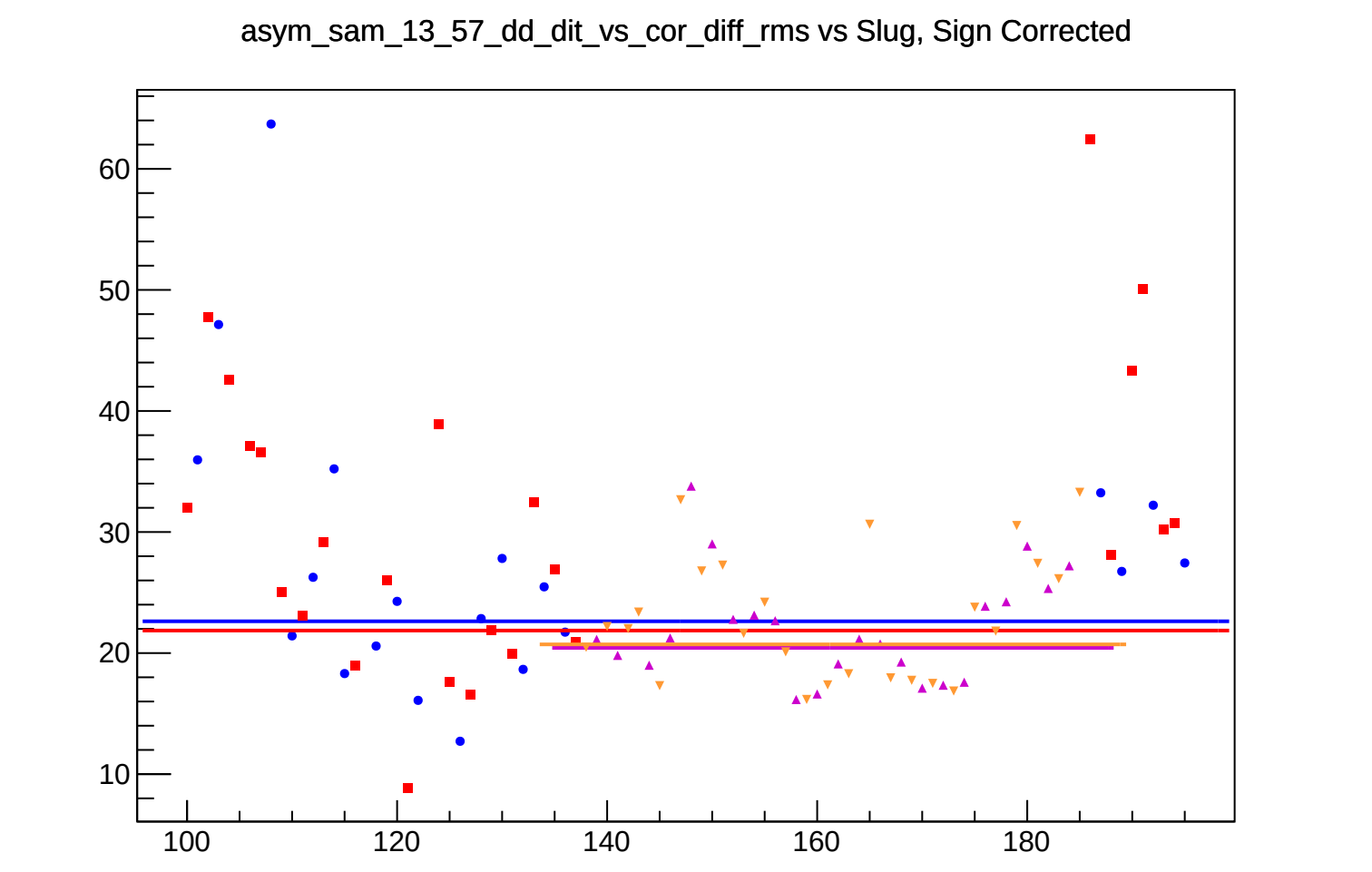
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.007+/-0.005 χ^2/NDF: 44.6/44

In: -0.000+/-0.004 χ^2/NDF:44.6/42

Out: 0.009+/-0.004 χ^2/NDF:70.5/49

All: 0.005+/-0.003 χ^2/NDF: 117.6/92



Right In: 22.627+/-0.006 χ^2/NDF: 1791404.3/19

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 21.862+/-0.005 χ^2/NDF: 3564090.7/24

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

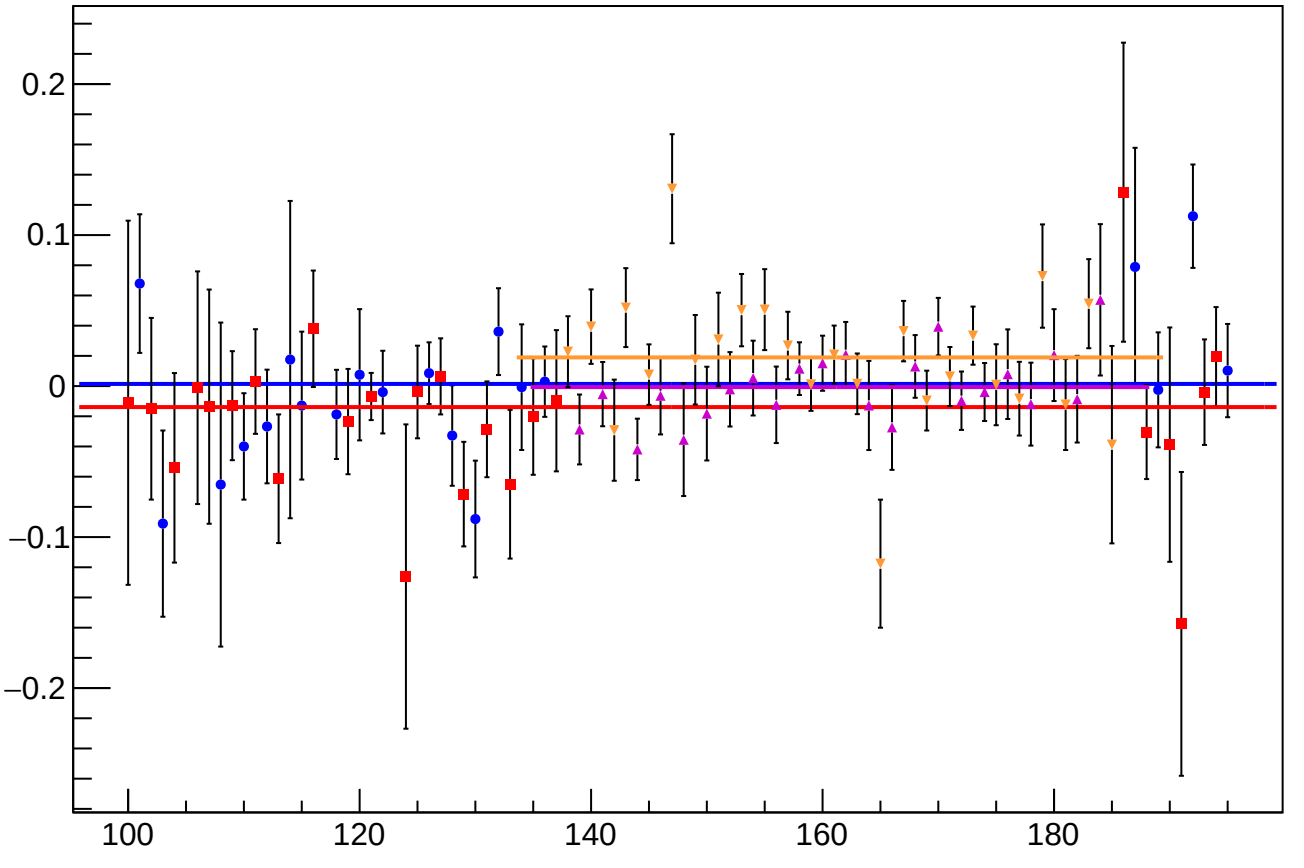
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.225+/-0.004 χ^2/NDF: 5365443.8/44

In: 21.051+/-0.003 χ^2/NDF:3077573.7/42

Out: 21.059+/-0.003 χ^2/NDF:5103404.7/49

All: 21.055+/-0.002 χ^2/NDF: 8180982.7/92



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.007 χ^2/NDF: 15.7/24

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

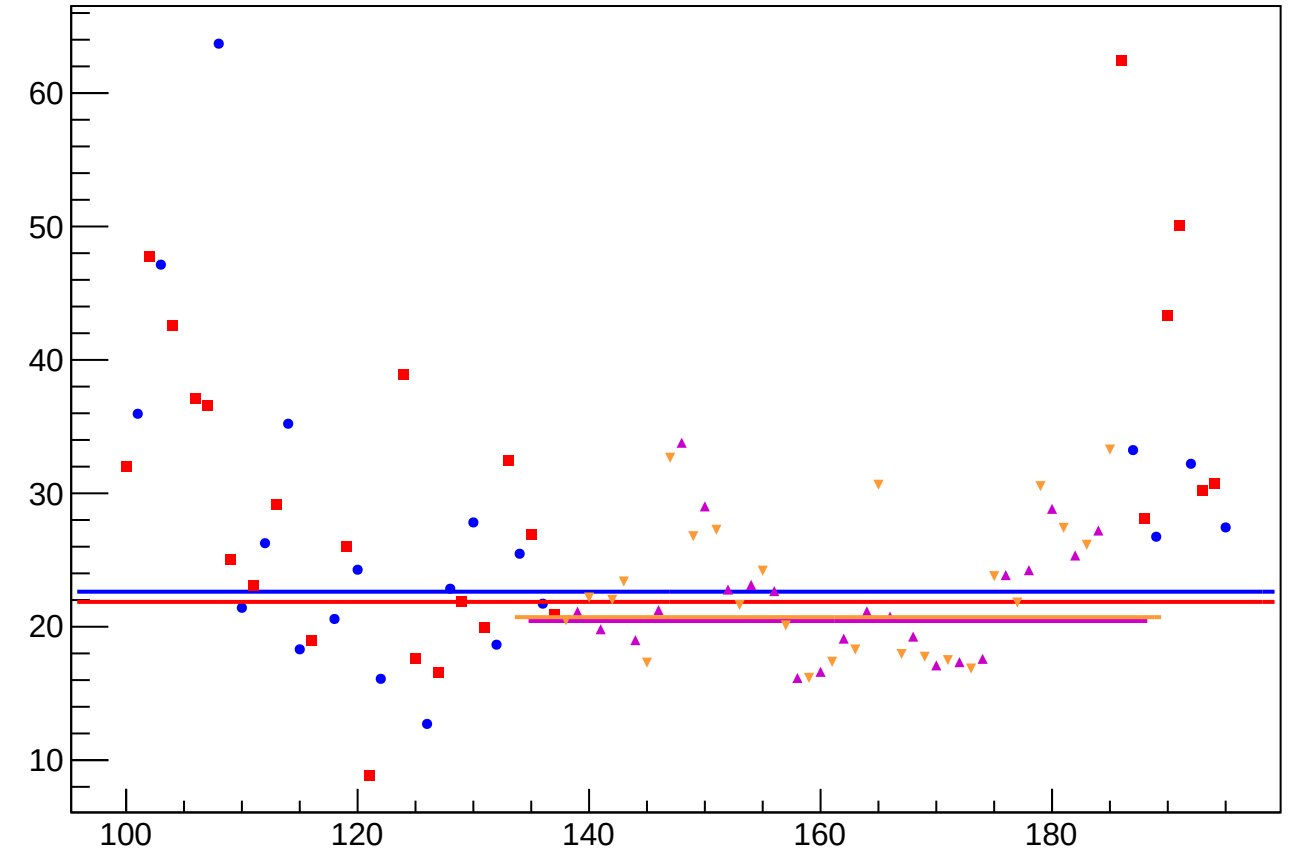
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.007+/-0.005 χ^2/NDF: 44.6/44

In: -0.000+/-0.004 χ^2/NDF:44.6/42

Out: 0.009+/-0.004 χ^2/NDF:70.5/49

All: 0.005+/-0.003 χ^2/NDF: 117.6/92



Right In: 22.627+/-0.006 χ^2/NDF: 1791404.3/19

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 21.862+/-0.005 χ^2/NDF: 3564090.7/24

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

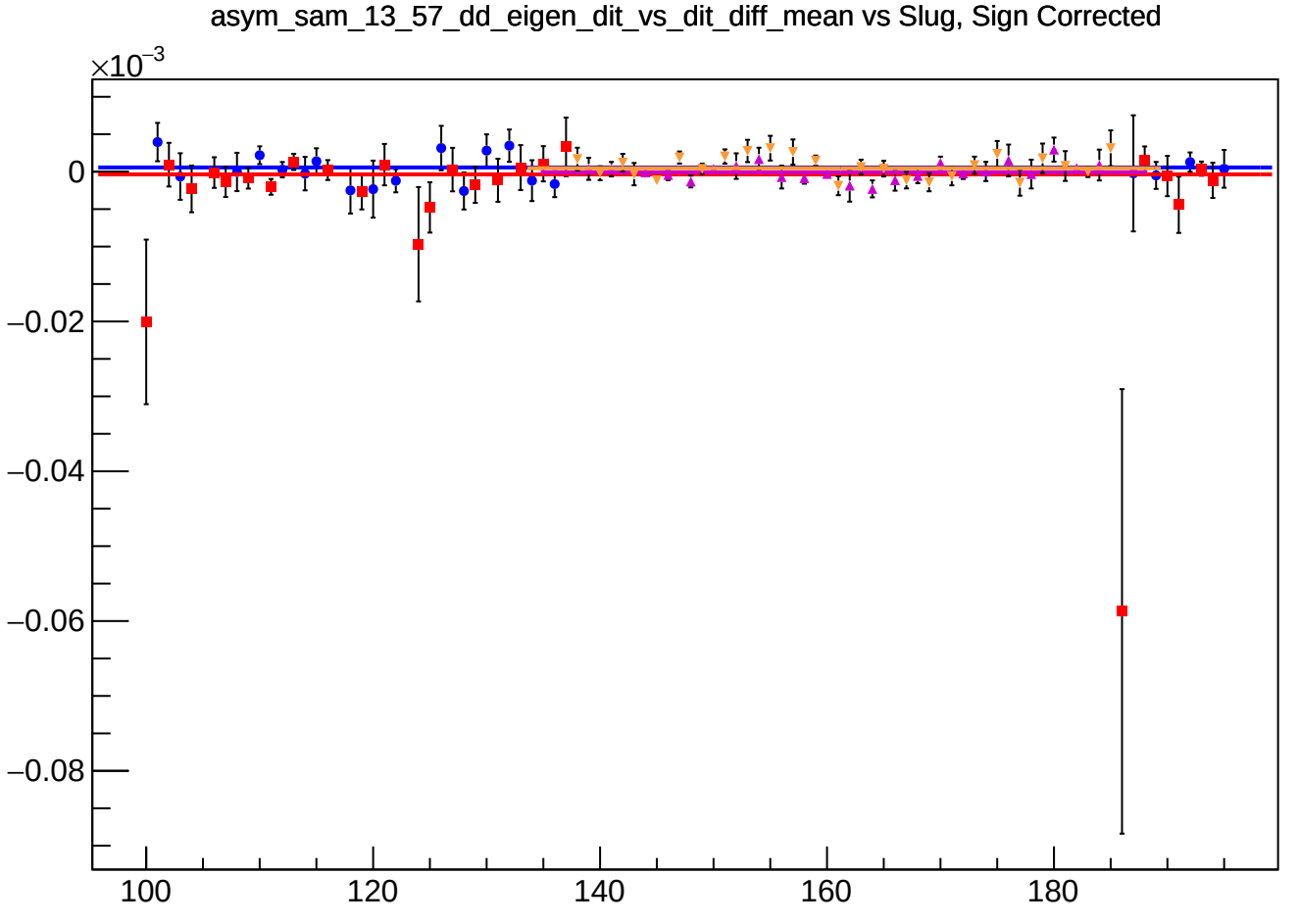
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.225+/-0.004 χ^2/NDF: 5365443.8/44

In: 21.051+/-0.003 χ^2/NDF:3077573.7/42

Out: 21.059+/-0.003 χ^2/NDF:5103404.7/49

All: 21.055+/-0.002 χ^2/NDF: 8180982.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/24

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

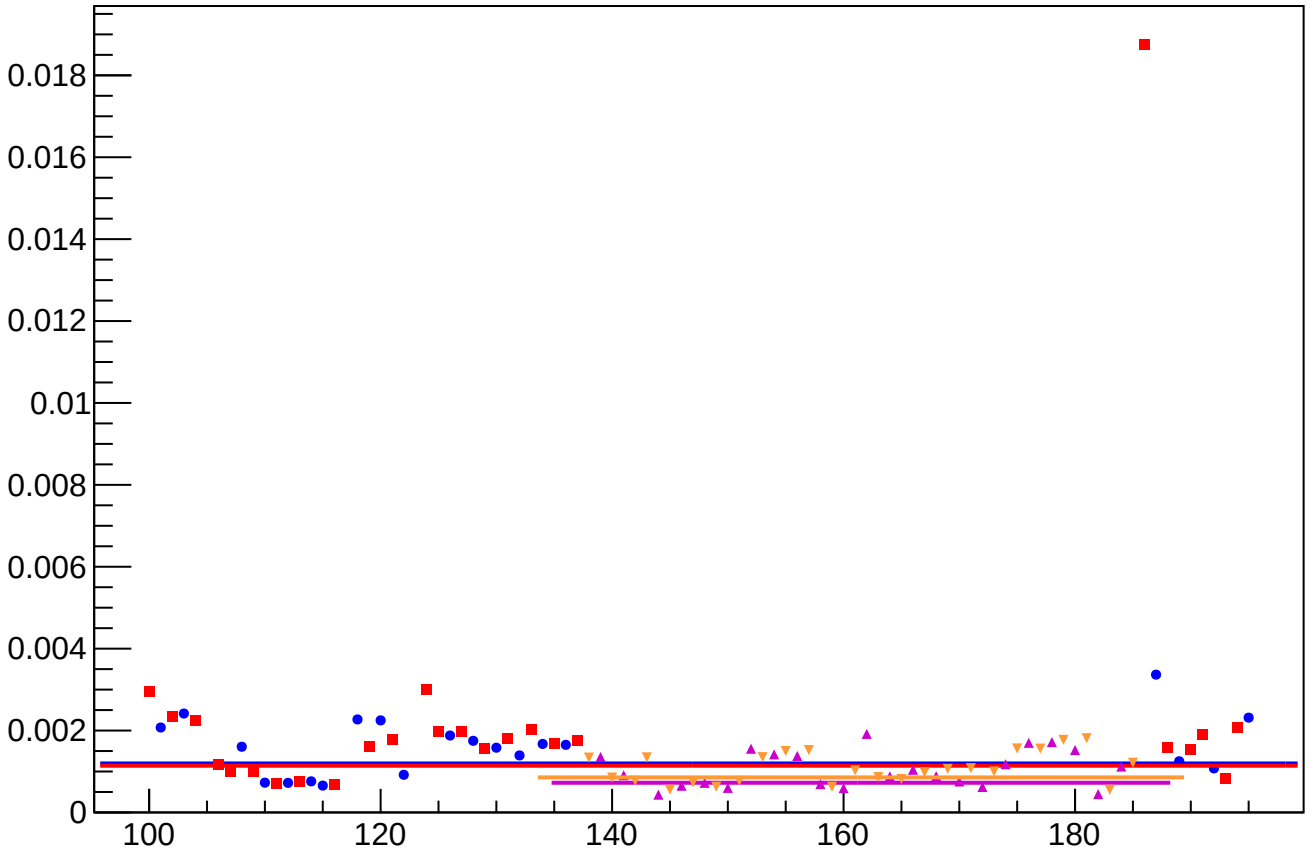
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: 0.000+/-0.000 χ^2/NDF: 40.0/44

In: 0.000+/-0.000 χ^2/NDF:36.5/42

Out: 0.000+/-0.000 χ^2/NDF:62.5/49

All: 0.000+/-0.000 χ^2/NDF: 100.0/92



Right In: 0.001+/-0.000 χ^2/NDF: 3113361.9/19

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4108028.4/24

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

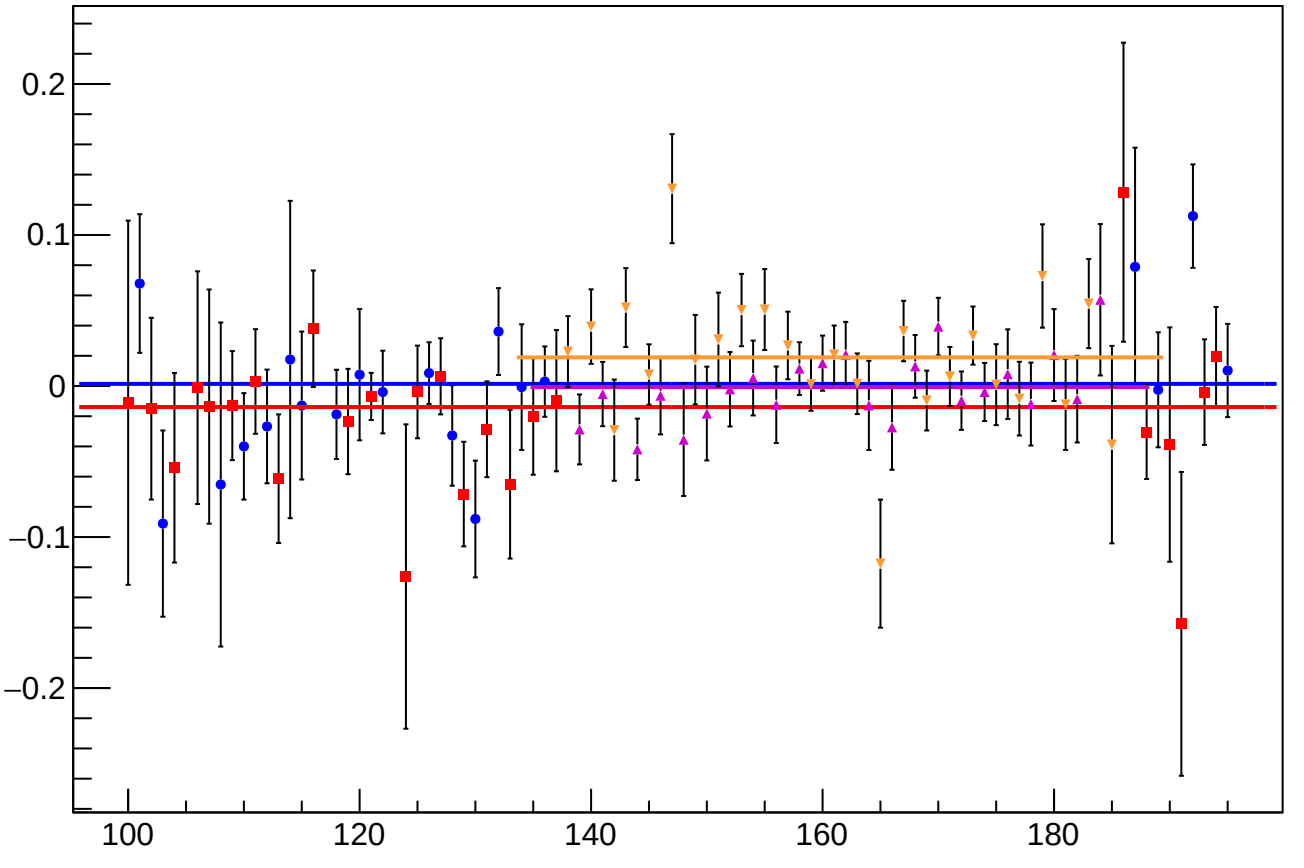
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 7238913.3/44

In: 0.001+/-0.000 χ^2/NDF:10947072.3/42

Out: 0.001+/-0.000 χ^2/NDF:9374887.8/49

All: 0.001+/-0.000 χ^2/NDF: 20772081.3/92



Right In: 0.001+/-0.008 χ^2/NDF: 26.9/19

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.007 χ^2/NDF: 15.7/24

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

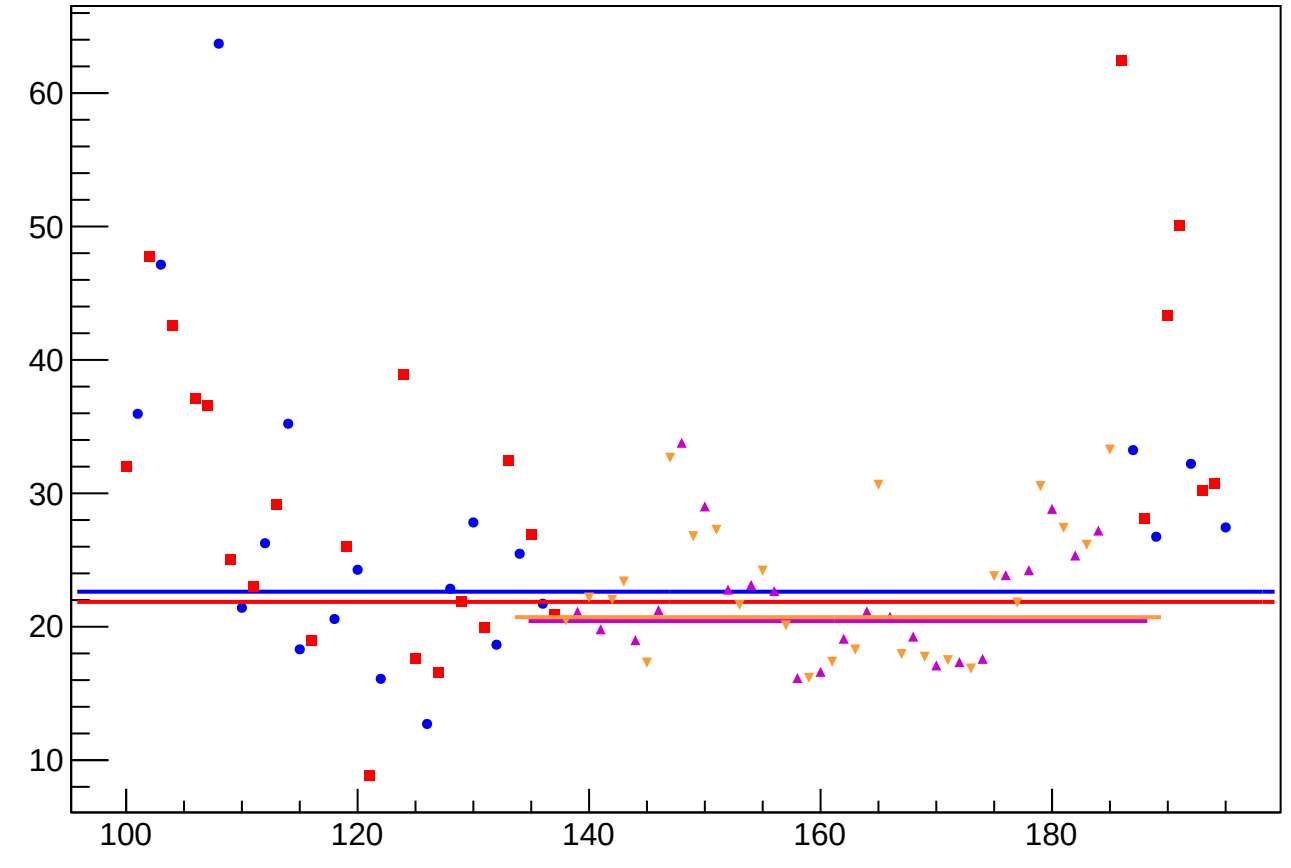
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.007+/-0.005 χ^2/NDF: 44.6/44

In: -0.000+/-0.004 χ^2/NDF:44.6/42

Out: 0.009+/-0.004 χ^2/NDF:70.5/49

All: 0.005+/-0.003 χ^2/NDF: 117.6/92



Right In: 22.627+/-0.006 χ^2/NDF: 1791247.6/19

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 21.863+/-0.005 χ^2/NDF: 3563603.2/24

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

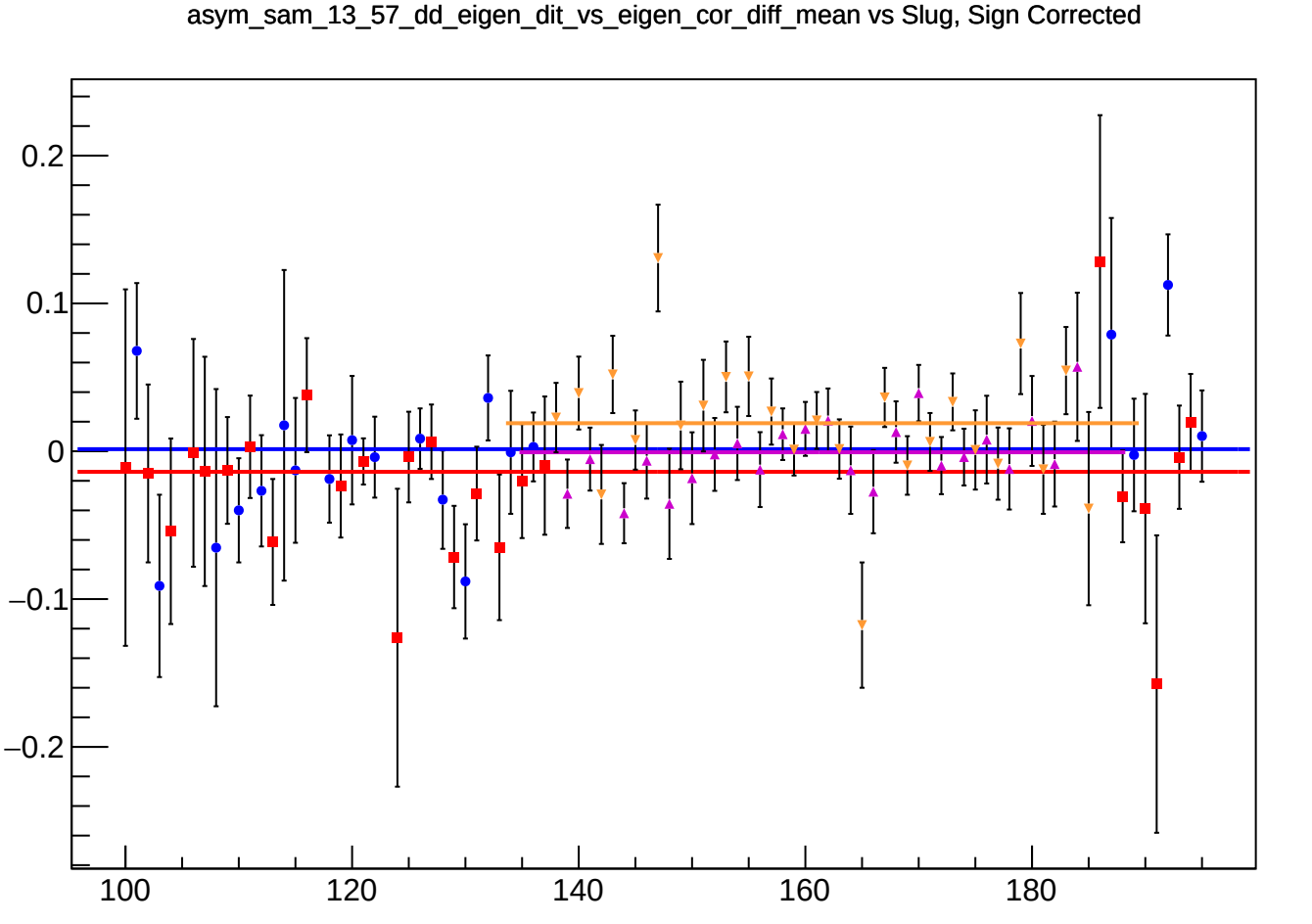
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.226+/-0.004 χ^2/NDF: 5364791.9/44

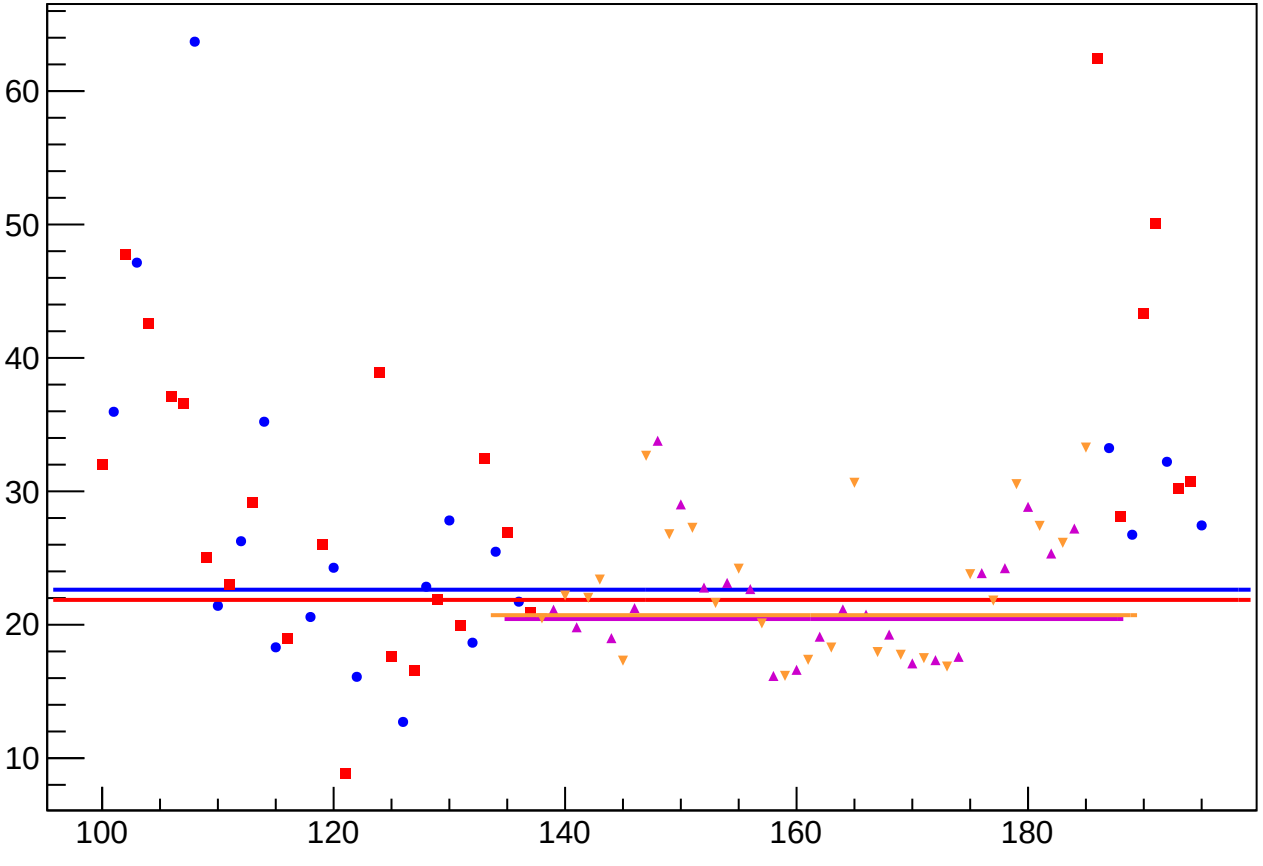
In: 21.051+/-0.003 χ^2/NDF:3077491.7/42

Out: 21.060+/-0.003 χ^2/NDF:5103056.7/49

All: 21.055+/-0.002 χ^2/NDF: 8180552.7/92


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
Right In: 0.001+/-0.008 χ²/NDF: 26.9/19
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: -0.014+/-0.007 χ²/NDF: 15.7/24
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.9/47
Right: -0.007+/-0.005 χ²/NDF: 44.6/44
In: -0.000+/-0.004 χ²/NDF:44.6/42
Out: 0.009+/-0.004 χ²/NDF:70.5/49
All: 0.005+/-0.003 χ²/NDF: 117.6/92

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.627+/-0.006 χ^2/NDF: 1791247.6/19

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 21.863+/-0.005 χ^2/NDF: 3563603.2/24

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

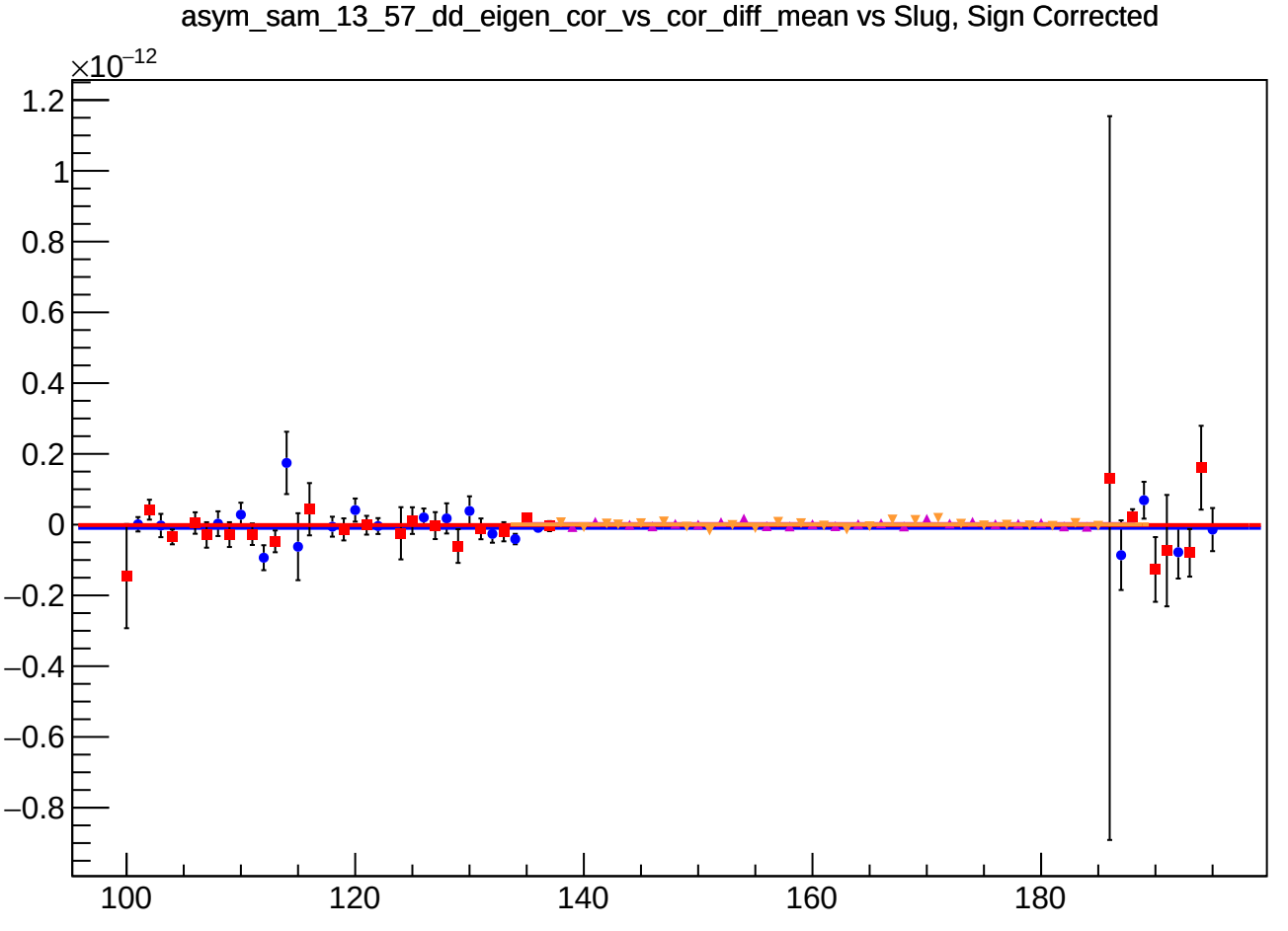
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

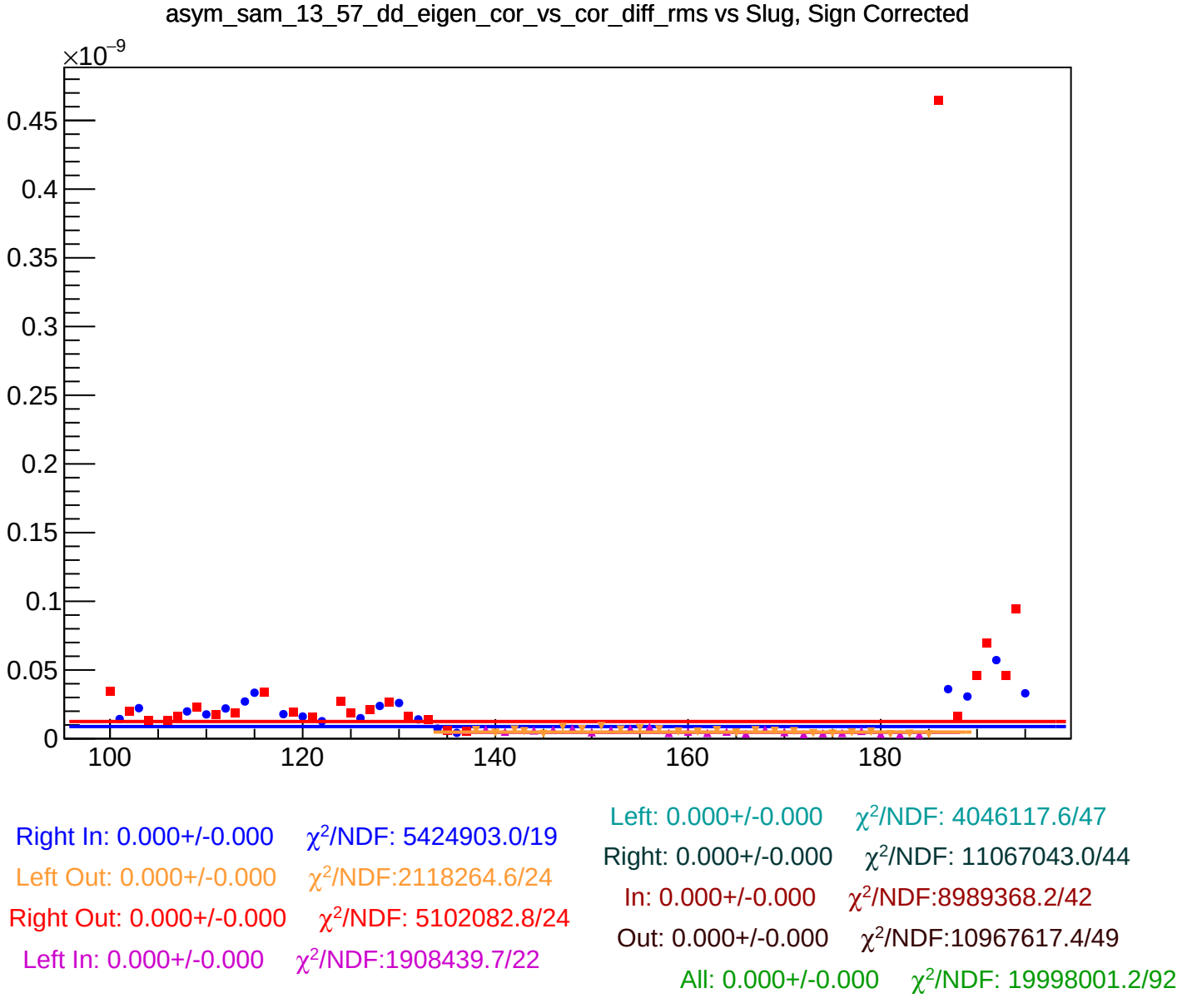
Right: 22.226+/-0.004 χ^2/NDF: 5364791.9/44

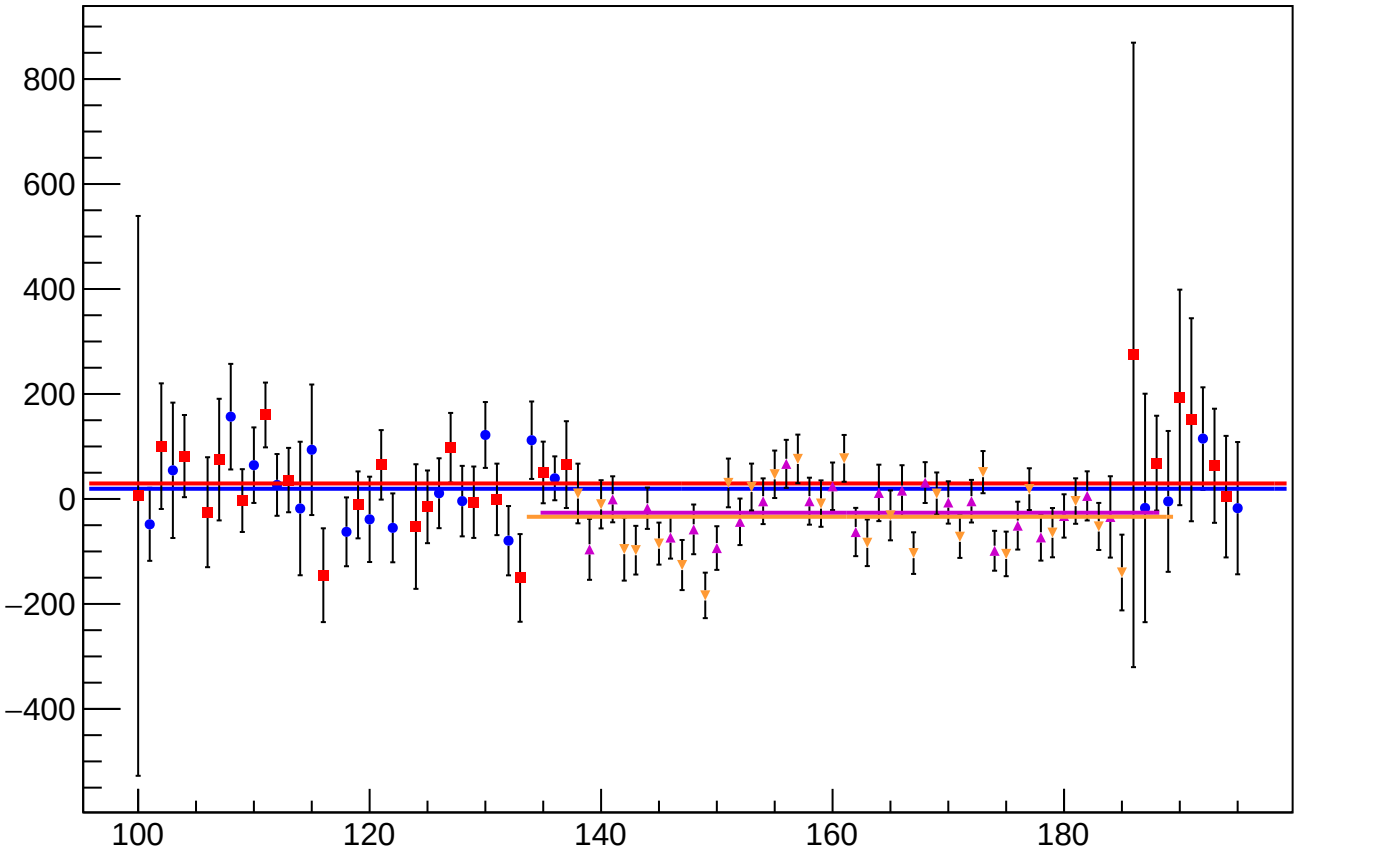
In: 21.051+/-0.003 χ^2/NDF:3077491.7/42

Out: 21.060+/-0.003 χ^2/NDF:5103056.7/49

All: 21.055+/-0.002 χ^2/NDF: 8180552.7/92


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 26.3/19
Left Out: 0.000+/-0.000 χ²/NDF:29.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.3/24
Left In: 0.000+/-0.000 χ²/NDF:20.6/22
Left: 0.000+/-0.000 χ²/NDF: 49.9/47
Right: -0.000+/-0.000 χ²/NDF: 50.8/44
In: 0.000+/-0.000 χ²/NDF:52.1/42
Out: 0.000+/-0.000 χ²/NDF:52.4/49
All: 0.000+/-0.000 χ²/NDF: 104.5/92


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 5424903.0/19
Left Out: 0.000+/-0.000 χ²/NDF:2118264.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5102082.8/24
Left In: 0.000+/-0.000 χ²/NDF:1908439.7/22
Left: 0.000+/-0.000 χ²/NDF: 4046117.6/47
Right: 0.000+/-0.000 χ²/NDF: 11067043.0/44
In: 0.000+/-0.000 χ²/NDF:8989368.2/42
Out: 0.000+/-0.000 χ²/NDF:10967617.4/49
All: 0.000+/-0.000 χ²/NDF: 19998001.2/92



Right In: 19.403+/-16.853 χ^2/NDF: 15.1/19

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 29.513+/-16.525 χ^2/NDF: 19.4/24

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

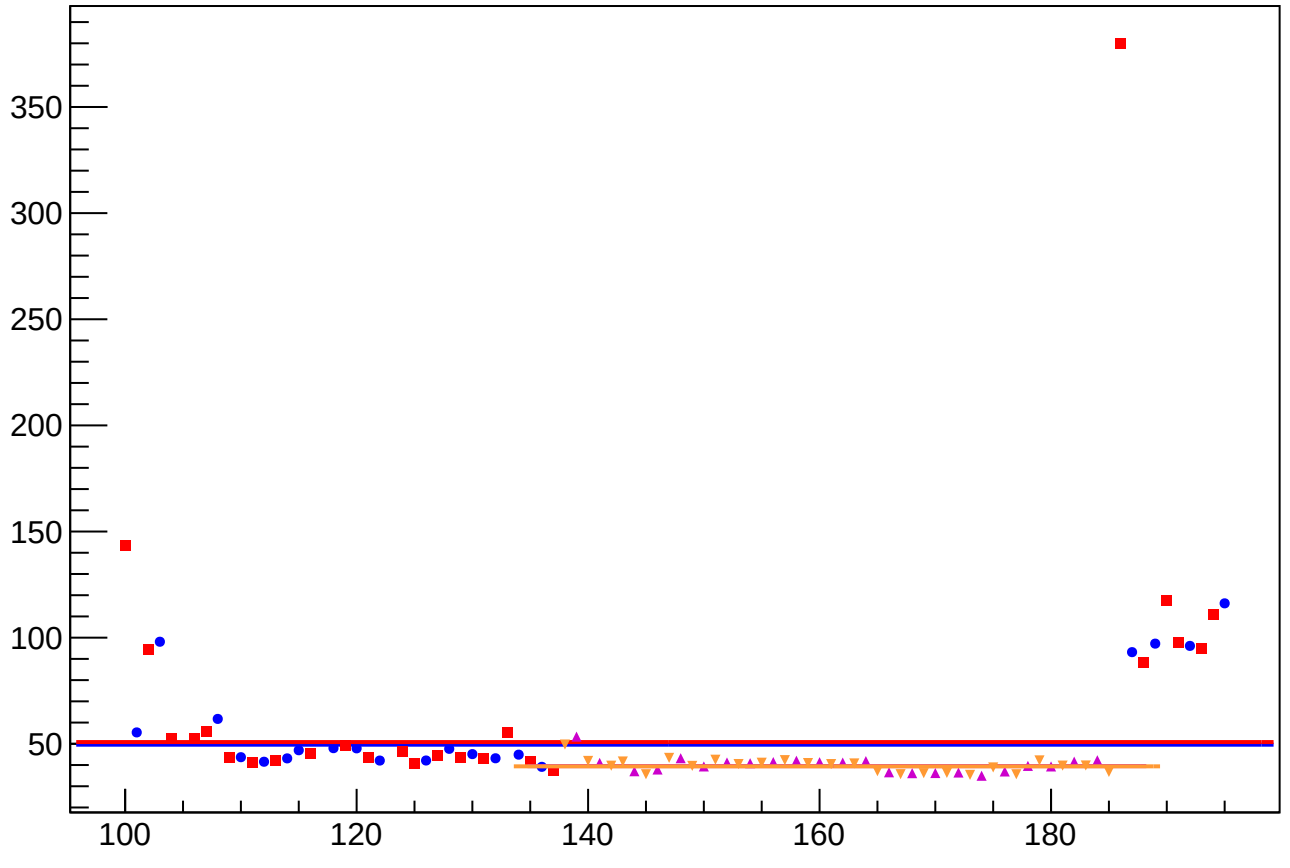
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 24.558+/-11.799 χ^2/NDF: 34.7/44

In: -15.656+/-8.123 χ^2/NDF:43.2/42

Out: -19.452+/-7.899 χ^2/NDF:89.5/49

All: -17.607+/-5.663 χ^2/NDF: 132.8/92



Right In: 49.582+/-0.012 χ^2/NDF: 1943179.1/19

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 50.817+/-0.012 χ^2/NDF: 2848325.4/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

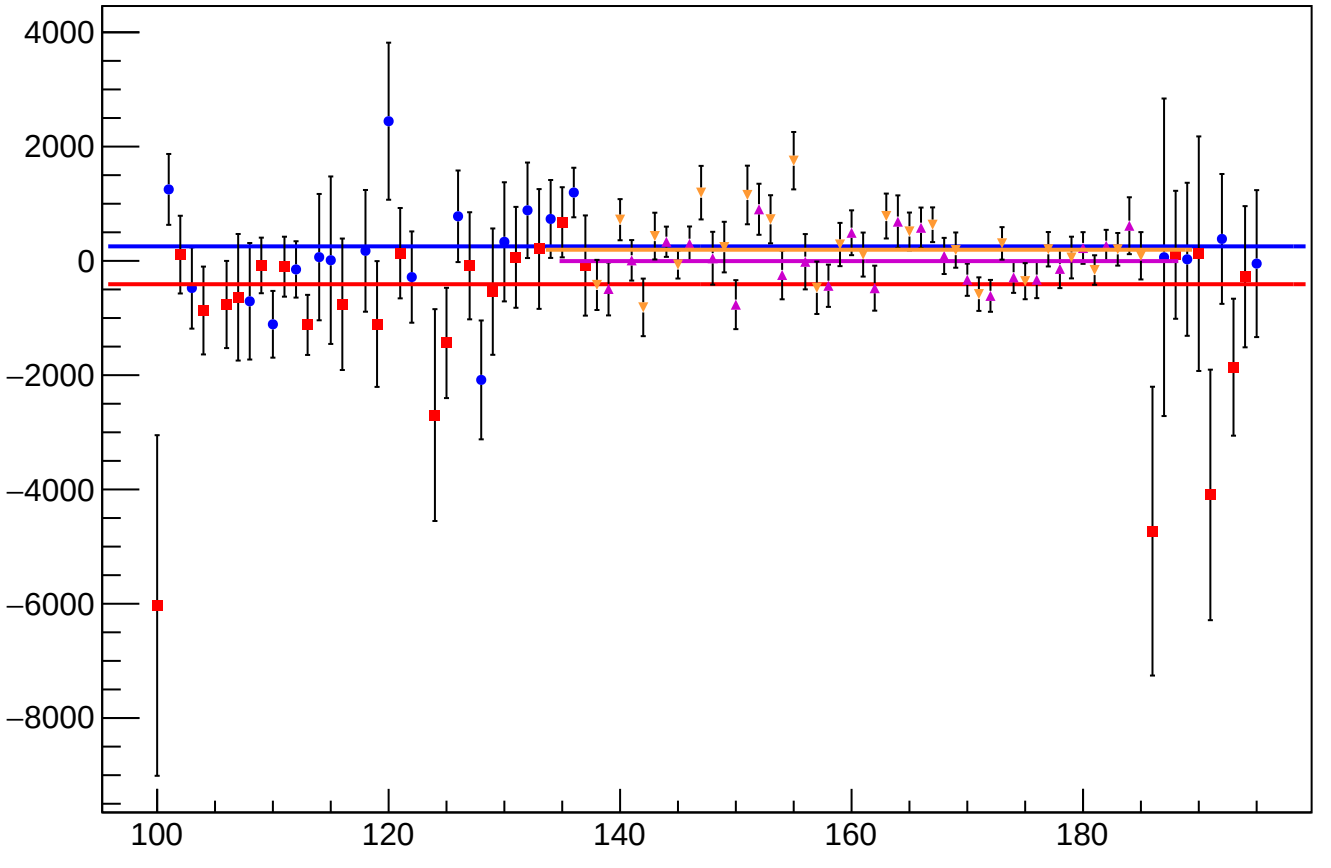
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 50.212+/-0.008 χ^2/NDF: 4796974.8/44

In: 41.835+/-0.006 χ^2/NDF:2745481.2/42

Out: 41.995+/-0.006 χ^2/NDF:3815879.3/49

All: 41.918+/-0.004 χ^2/NDF: 6561759.1/92



Right In: 253.964+/-178.976 χ^2/NDF: 25.1/19

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -408.477+/-173.077 χ^2/NDF: 22.5/24

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

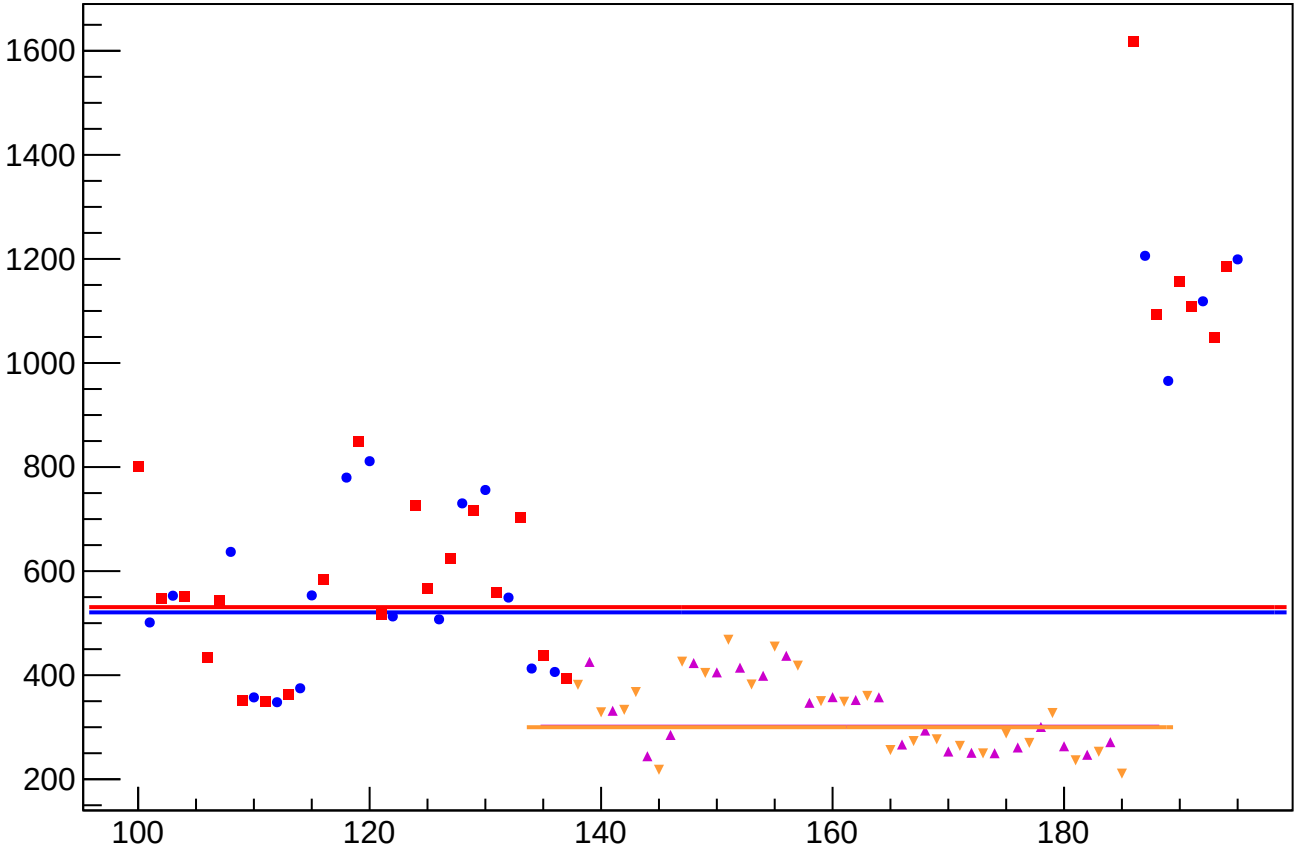
Right: -88.353+/-124.417 χ^2/NDF: 54.7/44

In: 31.904+/-66.782 χ^2/NDF:59.2/42

Out: 109.995+/-64.967 χ^2/NDF:81.6/49

All: 72.025+/-46.567 χ^2/NDF: 141.5/92

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 520.695+/-0.127 χ^2/NDF: 2506162.0/19

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 530.782+/-0.122 χ^2/NDF: 3327988.8/24

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

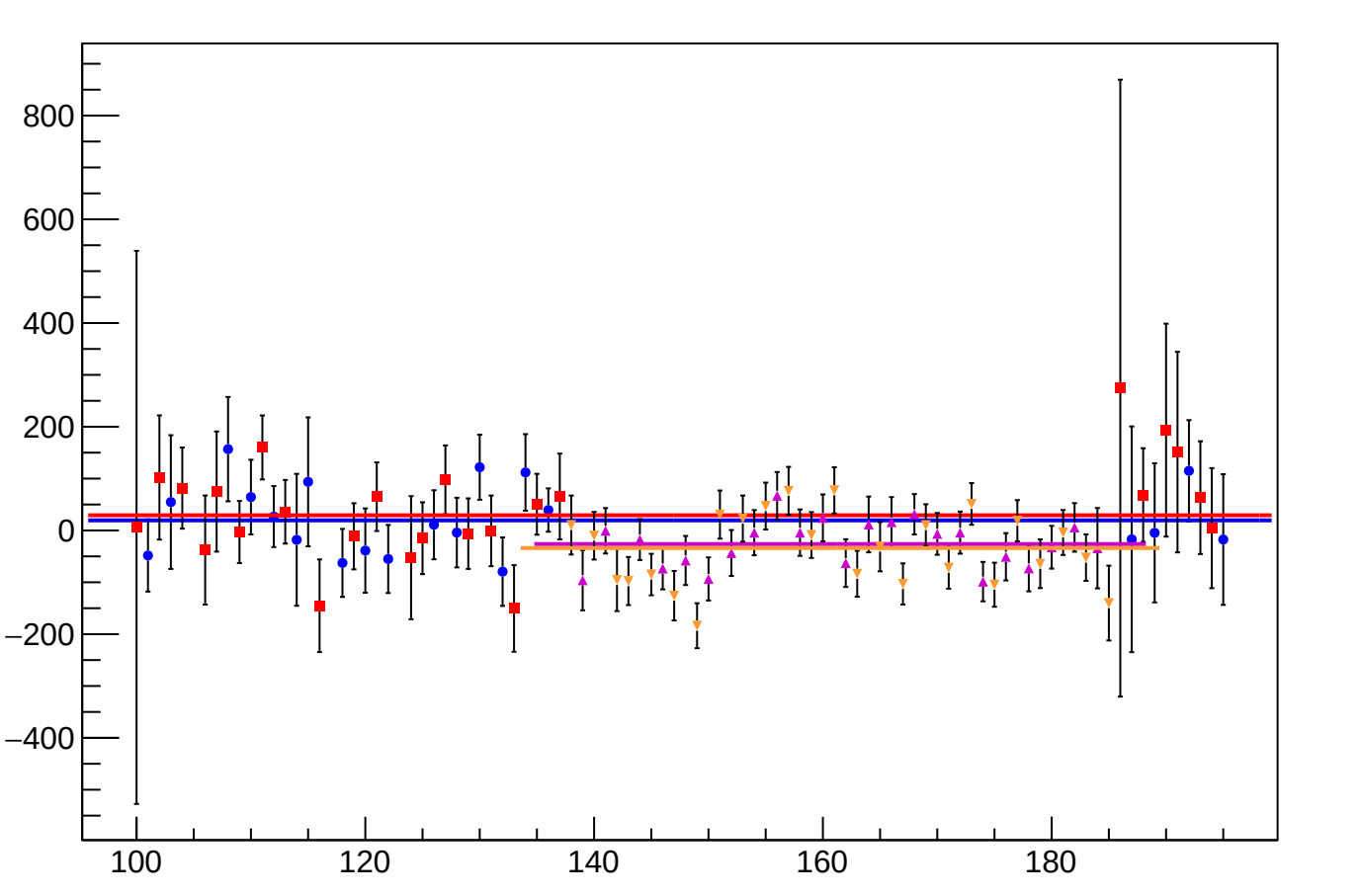
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

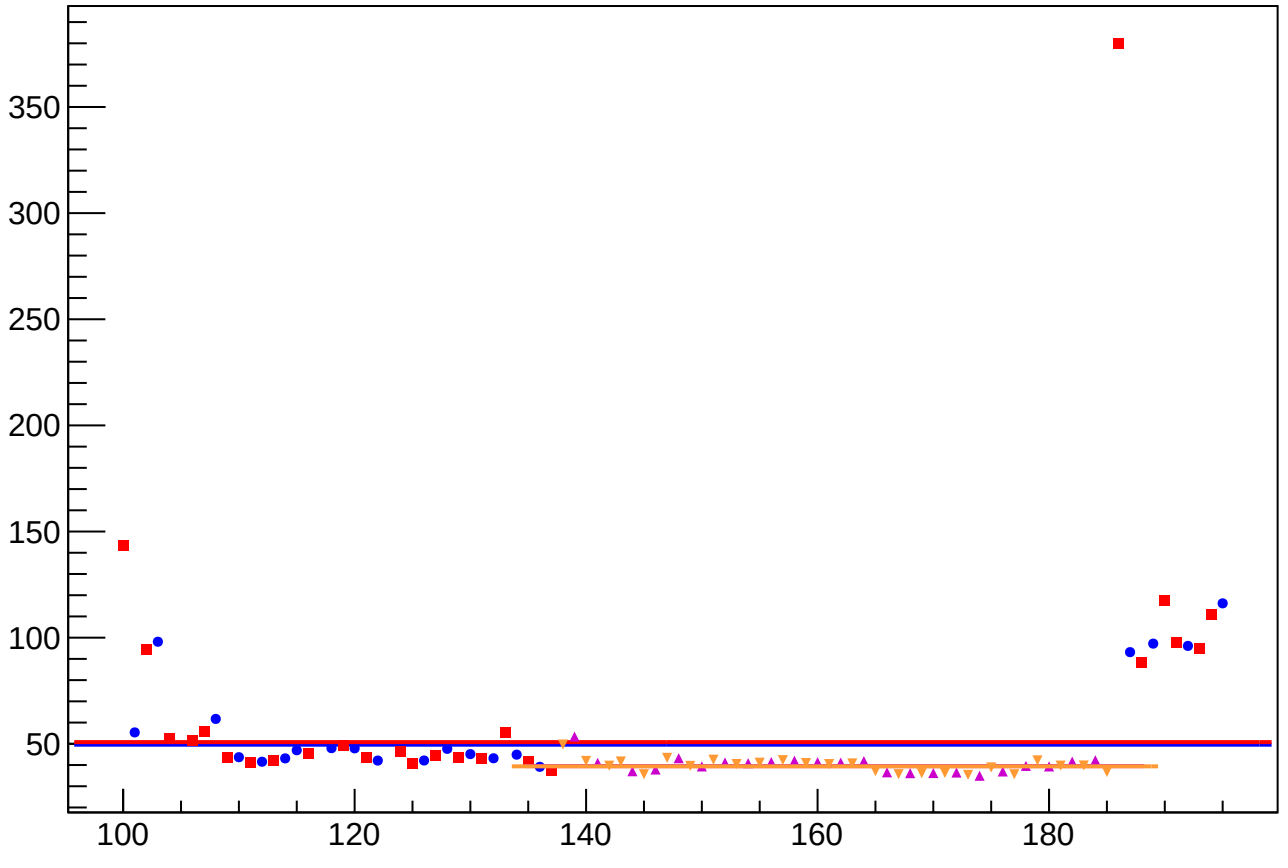
Right: 525.907+/-0.088 χ^2/NDF: 5837433.9/44

In: 331.588+/-0.047 χ^2/NDF:6507364.4/42

Out: 332.497+/-0.046 χ^2/NDF:8192007.6/49

All: 332.055+/-0.033 χ^2/NDF: 14699562.5/92


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
Right In: 19.408+/-16.853 χ²/NDF: 15.1/19
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 29.248+/-16.527 χ²/NDF: 19.6/24
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 24.424+/-11.800 χ²/NDF: 34.8/44
In: -15.655+/-8.123 χ²/NDF:43.2/42
Out: -19.515+/-7.900 χ²/NDF:89.6/49
All: -17.639+/-5.663 χ²/NDF: 132.9/92



Right In: 49.582+/-0.012 χ^2/NDF: 1943182.1/19

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 50.796+/-0.012 χ^2/NDF: 2848174.5/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

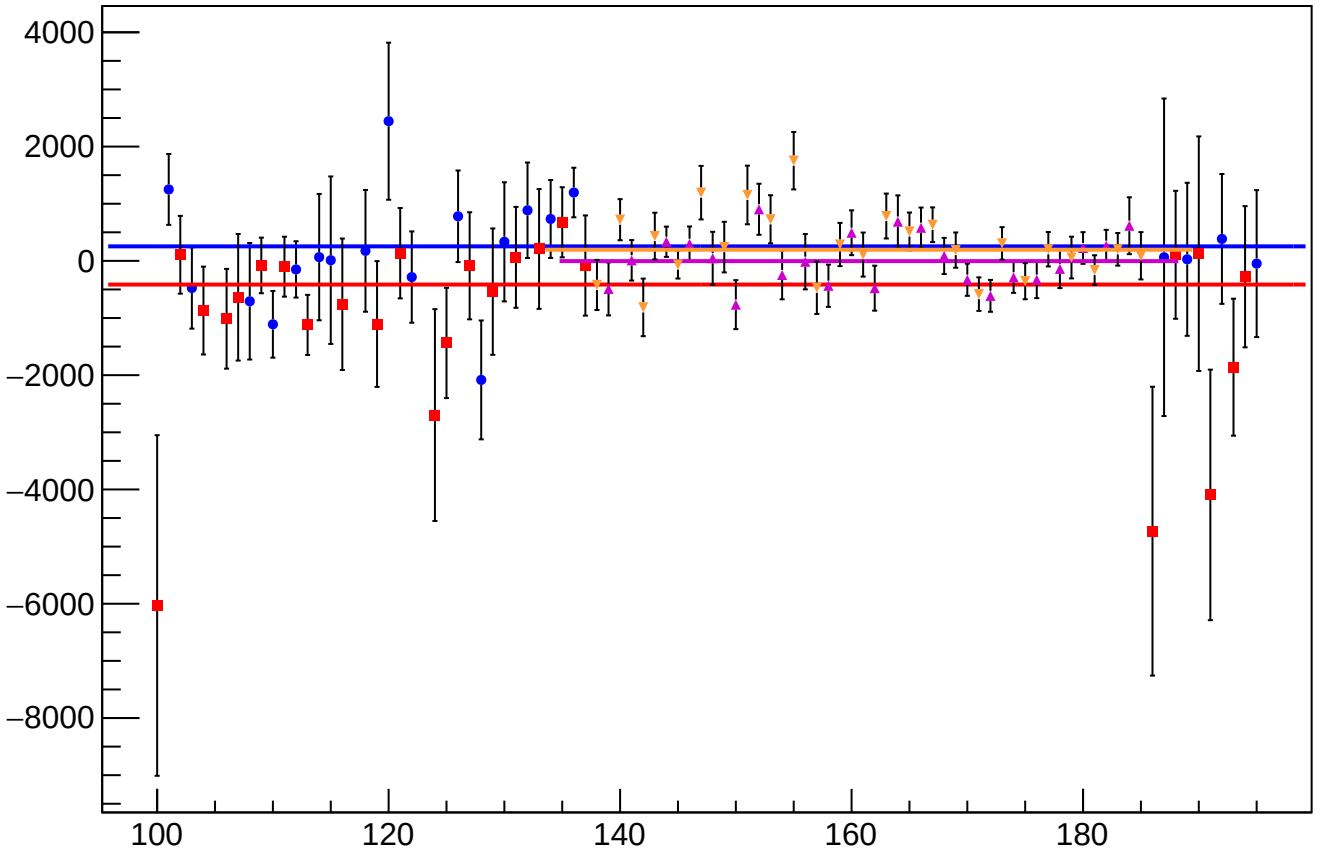
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 50.201+/-0.008 χ^2/NDF: 4796646.1/44

In: 41.835+/-0.006 χ^2/NDF:2745484.2/42

Out: 41.990+/-0.006 χ^2/NDF:3812946.7/49

All: 41.915+/-0.004 χ^2/NDF: 6558804.1/92



Right In: 253.968+/-178.977 χ^2/NDF: 25.1/19

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -414.281+/-174.149 χ^2/NDF: 22.8/24

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

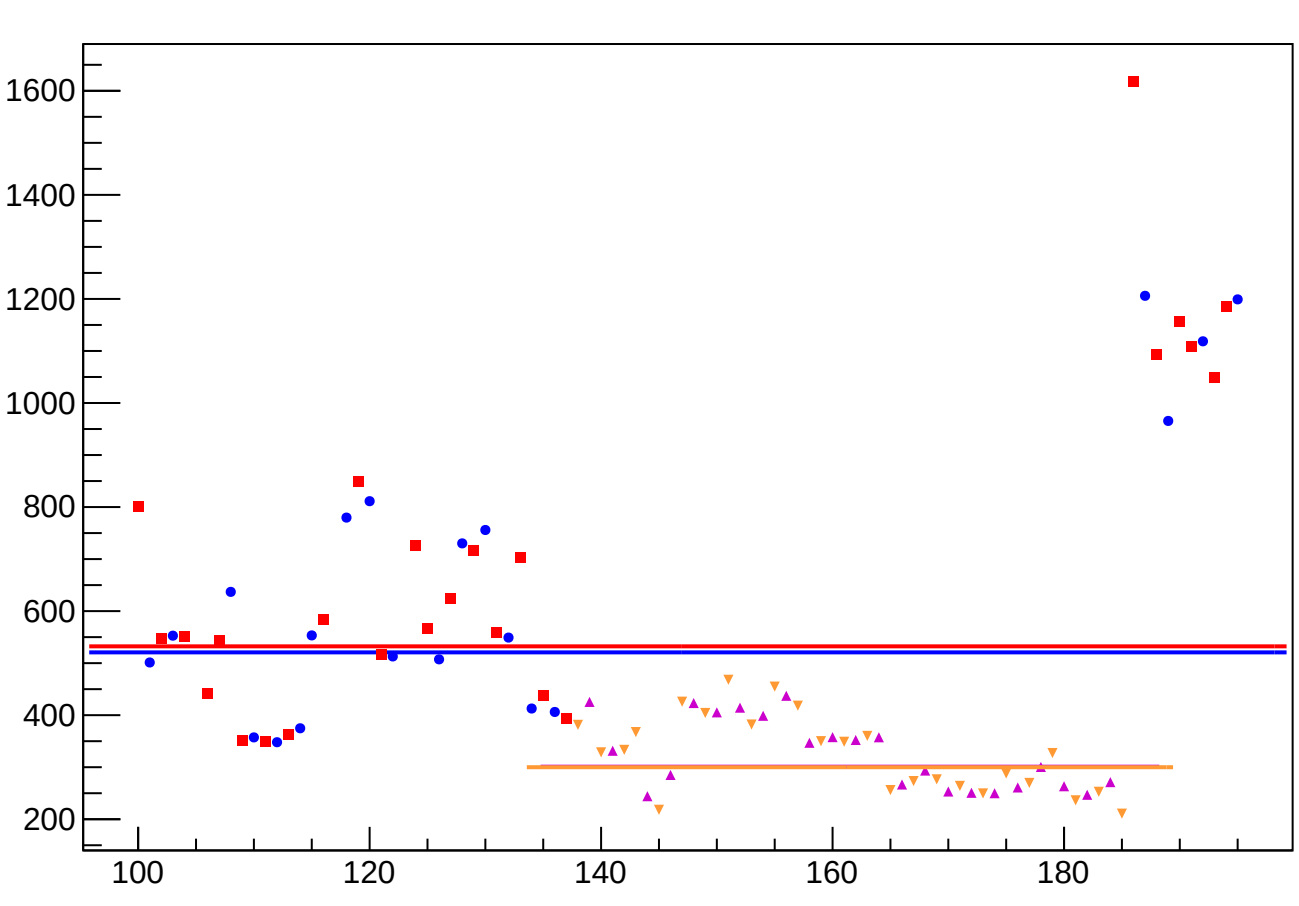
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -89.292+/-124.814 χ^2/NDF: 55.0/44

In: 31.904+/-66.782 χ^2/NDF:59.2/42

Out: 110.083+/-65.024 χ^2/NDF:81.9/49

All: 72.037+/-46.588 χ^2/NDF: 141.9/92



Right In: 520.697+/-0.127 χ^2/NDF: 2506179.0/19

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 532.289+/-0.123 χ^2/NDF: 3316738.3/24

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

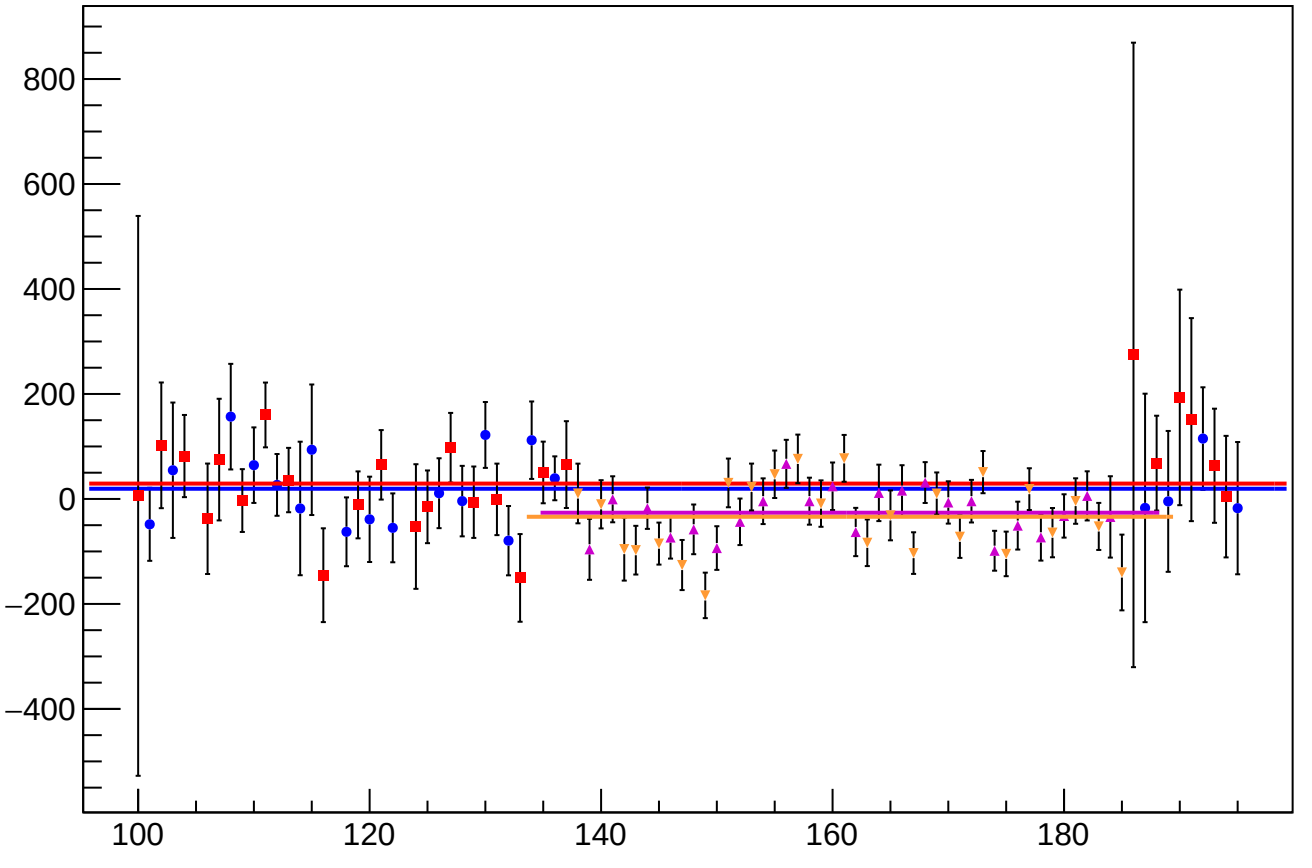
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 526.652+/-0.088 χ^2/NDF: 5827226.6/44

In: 331.588+/-0.047 χ^2/NDF:6507426.1/42

Out: 332.364+/-0.046 χ^2/NDF:8188073.0/49

All: 331.986+/-0.033 χ^2/NDF: 14695637.7/92



Right In: 19.408+/-16.853 χ^2/NDF: 15.1/19

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 29.248+/-16.527 χ^2/NDF: 19.6/24

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

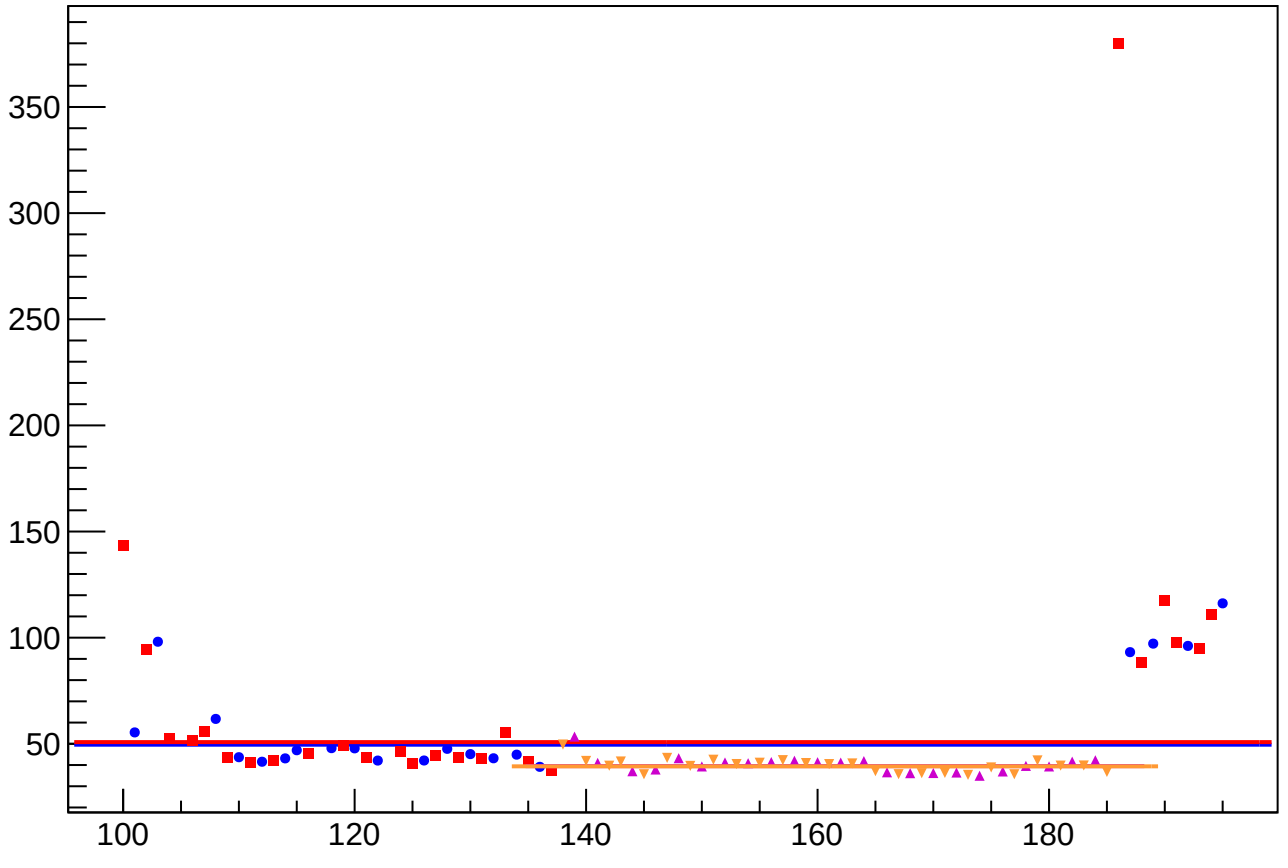
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 24.424+/-11.800 χ^2/NDF: 34.8/44

In: -15.655+/-8.123 χ^2/NDF:43.2/42

Out: -19.515+/-7.900 χ^2/NDF:89.6/49

All: -17.639+/-5.663 χ^2/NDF: 132.9/92



Right In: 49.582+/-0.012 χ^2/NDF: 1943182.1/19

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 50.796+/-0.012 χ^2/NDF: 2848174.5/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

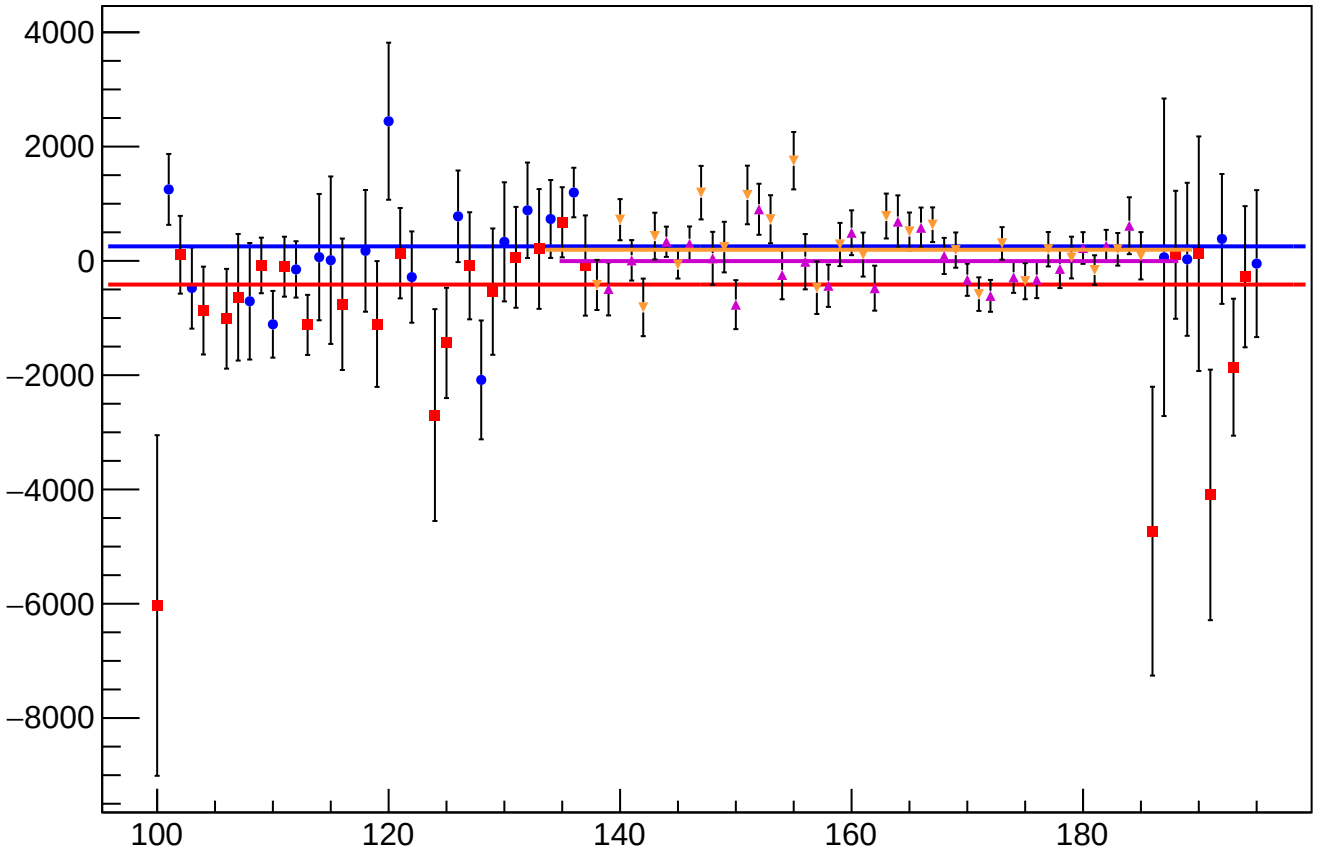
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 50.201+/-0.008 χ^2/NDF: 4796646.1/44

In: 41.835+/-0.006 χ^2/NDF:2745484.2/42

Out: 41.990+/-0.006 χ^2/NDF:3812946.7/49

All: 41.915+/-0.004 χ^2/NDF: 6558804.1/92



Right In: 253.968+/-178.977 χ^2/NDF: 25.1/19

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -414.281+/-174.149 χ^2/NDF: 22.8/24

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

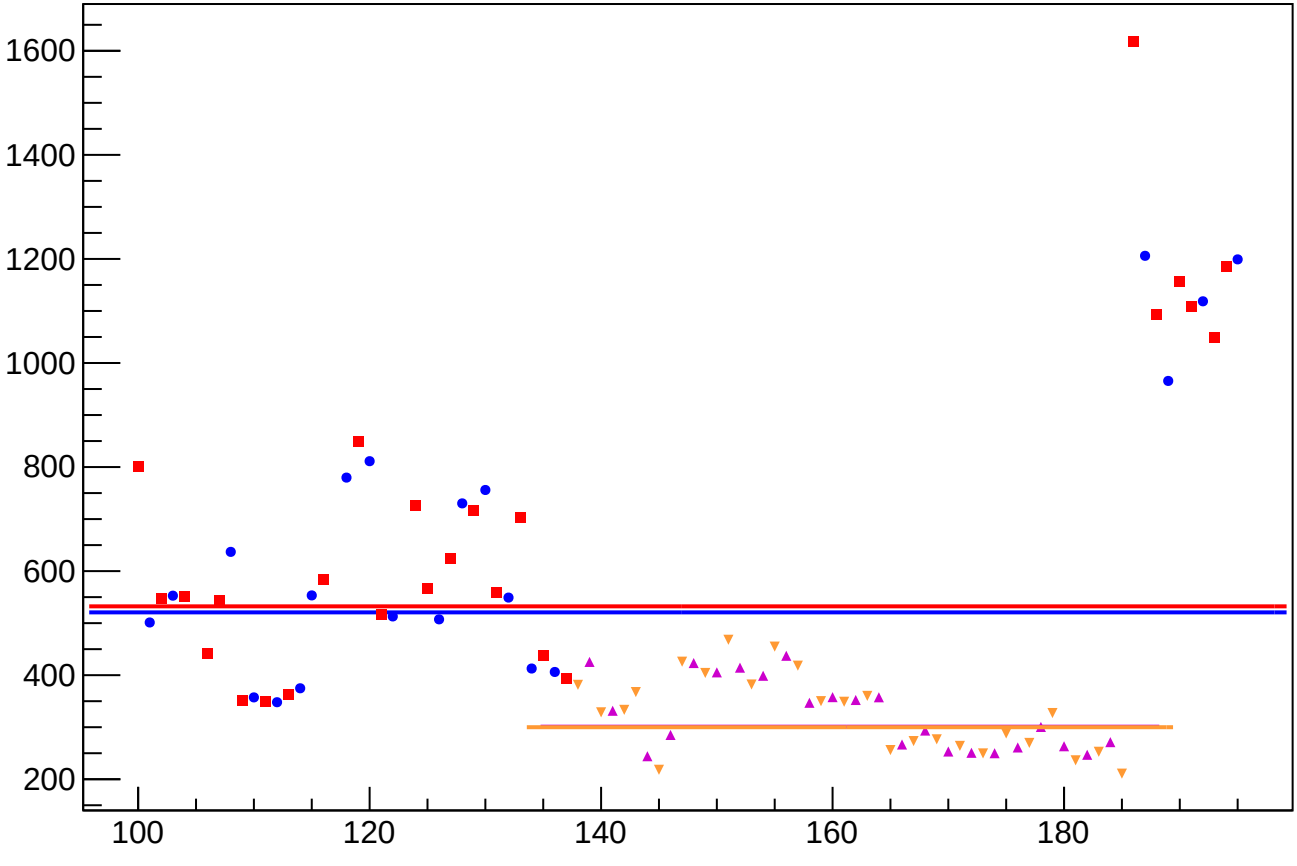
Right: -89.292+/-124.814 χ^2/NDF: 55.0/44

In: 31.904+/-66.782 χ^2/NDF:59.2/42

Out: 110.083+/-65.024 χ^2/NDF:81.9/49

All: 72.037+/-46.588 χ^2/NDF: 141.9/92

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 520.697+/-0.127 χ^2/NDF: 2506179.0/19

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 532.289+/-0.123 χ^2/NDF: 3316738.3/24

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

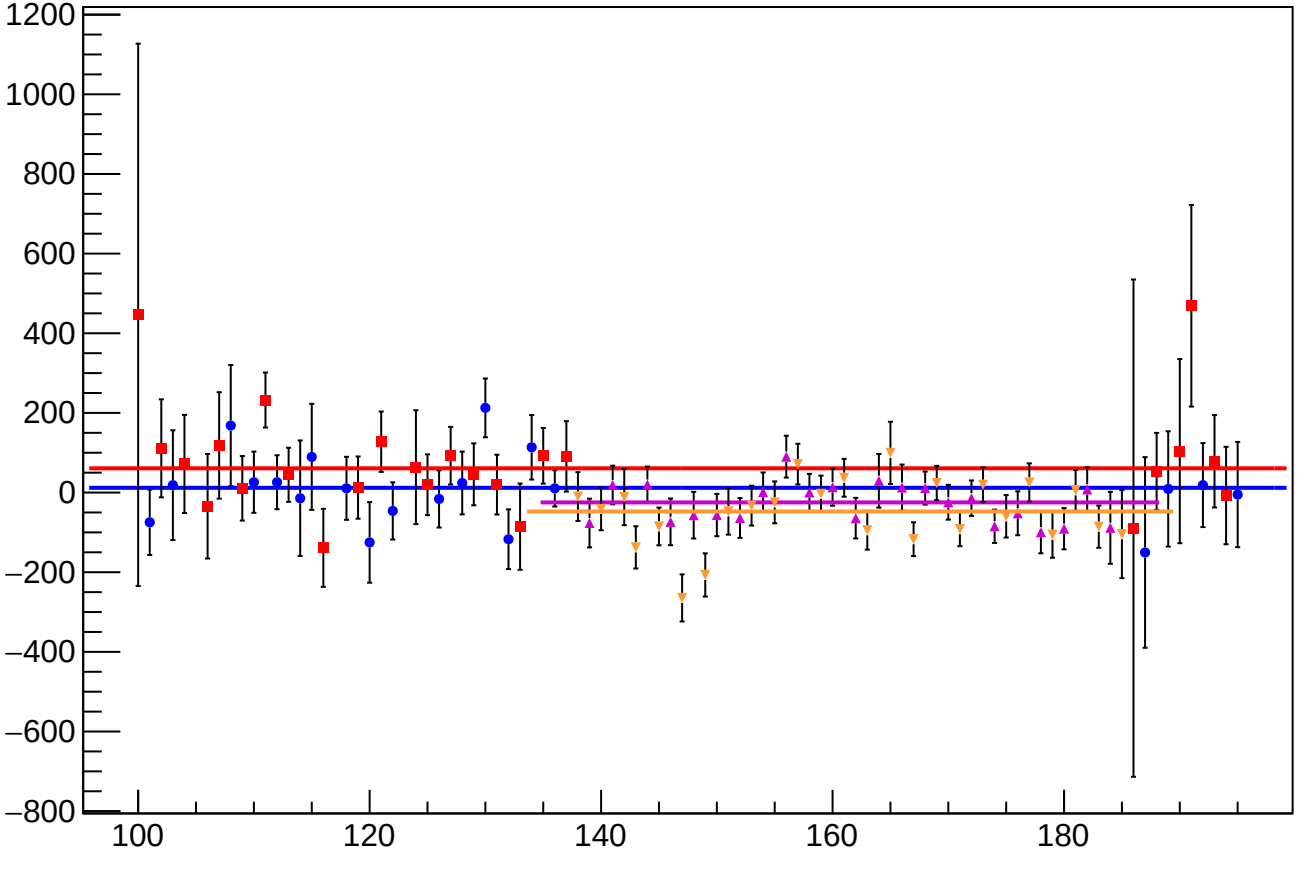
Right: 526.652+/-0.088 χ^2/NDF: 5827226.6/44

In: 331.588+/-0.047 χ^2/NDF:6507426.1/42

Out: 332.364+/-0.046 χ^2/NDF:8188073.0/49

All: 331.986+/-0.033 χ^2/NDF: 14695637.7/92

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 11.956+/-19.068 χ^2/NDF: 17.7/19

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 60.915+/-19.148 χ^2/NDF: 19.1/24

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

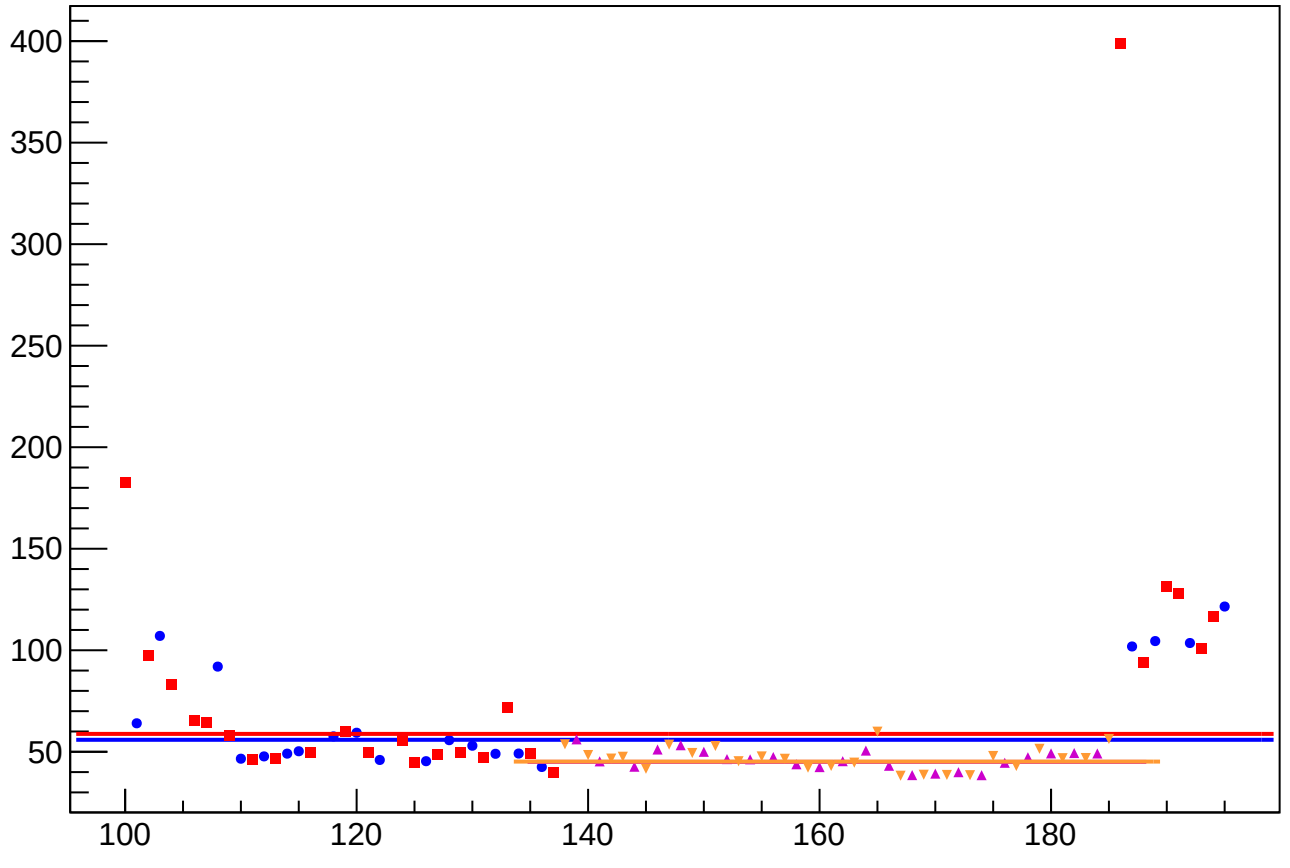
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.333+/-13.511 χ^2/NDF: 40.1/44

In: -15.961+/-9.304 χ^2/NDF:40.2/42

Out: -22.816+/-9.134 χ^2/NDF:98.6/49

All: -19.452+/-6.518 χ^2/NDF: 139.1/92



Right In: 55.905+/-0.013 χ^2/NDF: 1966686.8/19

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 58.811+/-0.014 χ^2/NDF: 2796088.0/24

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

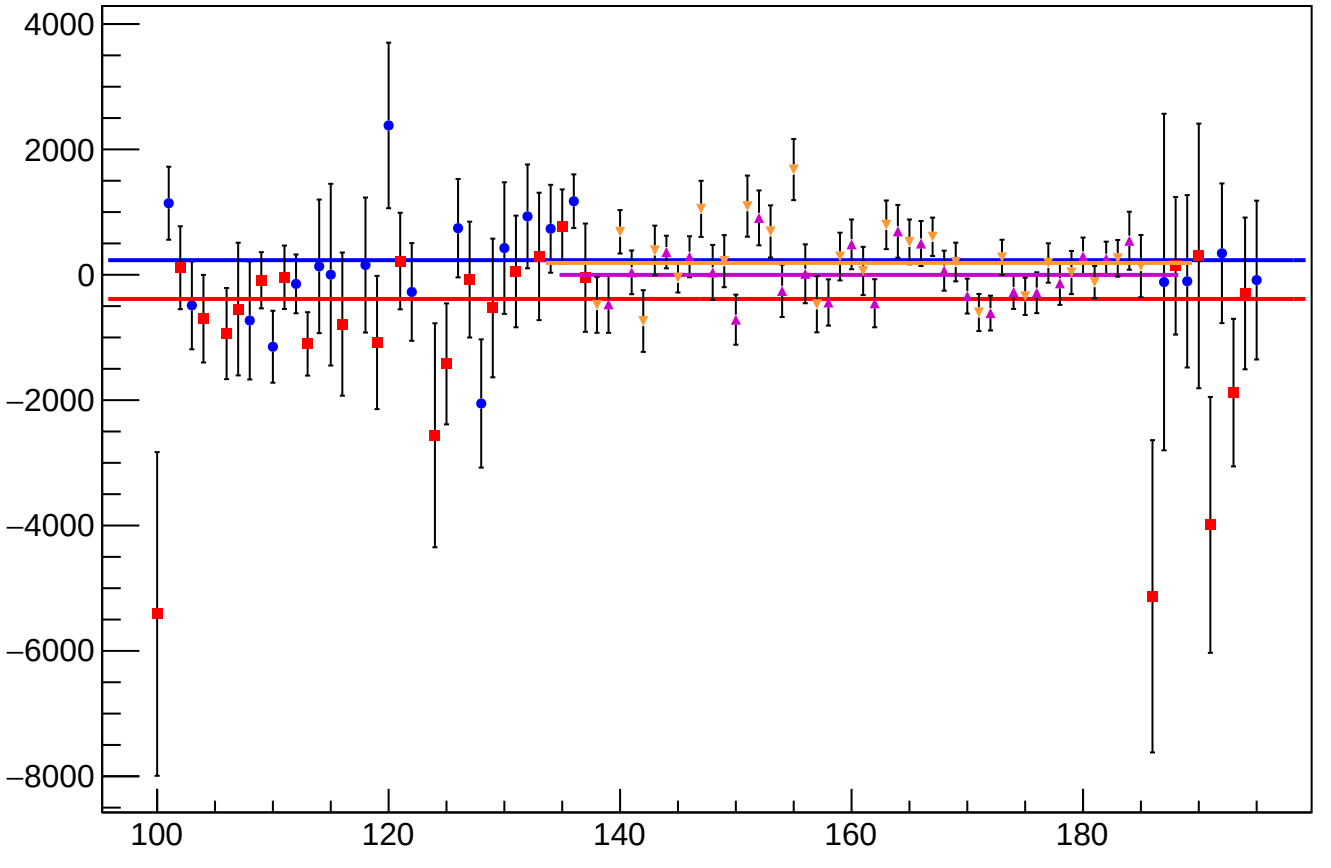
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 57.352+/-0.010 χ^2/NDF: 4785909.2/44

In: 47.610+/-0.007 χ^2/NDF:2836206.4/42

Out: 48.278+/-0.006 χ^2/NDF:4069526.0/49

All: 47.950+/-0.005 χ^2/NDF: 6910979.4/92



Right In: 232.843+/-174.972 χ^2/NDF: 25.7/19

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -385.574+/-166.598 χ^2/NDF: 25.3/24

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

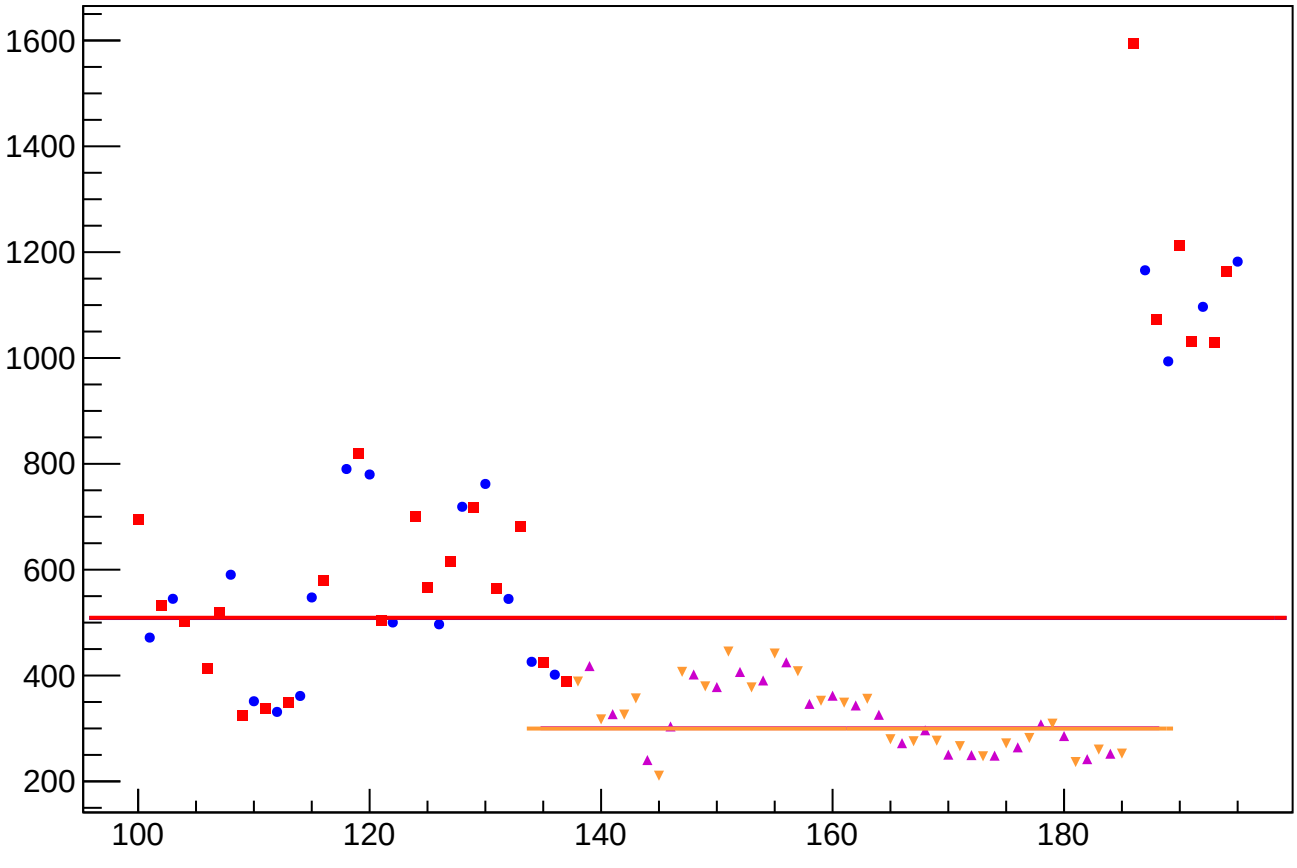
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: -91.518+/-120.654 χ^2/NDF: 57.6/44

In: 32.071+/-66.355 χ^2/NDF:59.5/42

Out: 103.222+/-64.310 χ^2/NDF:82.2/49

All: 68.760+/-46.180 χ^2/NDF: 142.3/92



Right In: 508.665+/-0.124 χ^2/NDF: 2574566.1/19

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 509.166+/-0.118 χ^2/NDF: 3501177.7/24

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

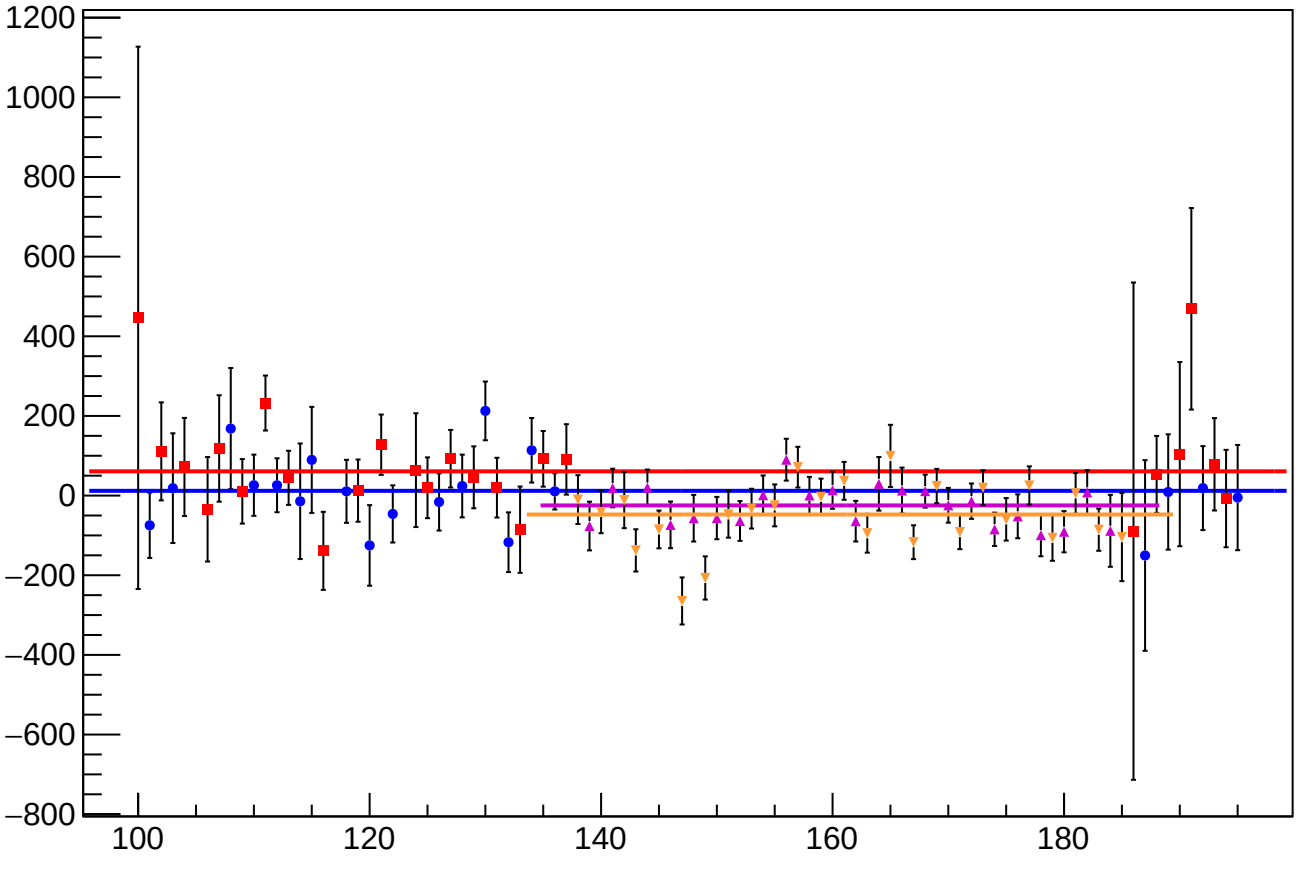
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 508.928+/-0.085 χ^2/NDF: 6075752.4/44

In: 330.476+/-0.047 χ^2/NDF:6256482.3/42

Out: 330.997+/-0.045 χ^2/NDF:7766646.3/49

All: 330.744+/-0.033 χ^2/NDF: 14023192.1/92



Right In: 11.956+/-19.068 χ^2/NDF: 17.7/19

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 60.916+/-19.148 χ^2/NDF: 19.1/24

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

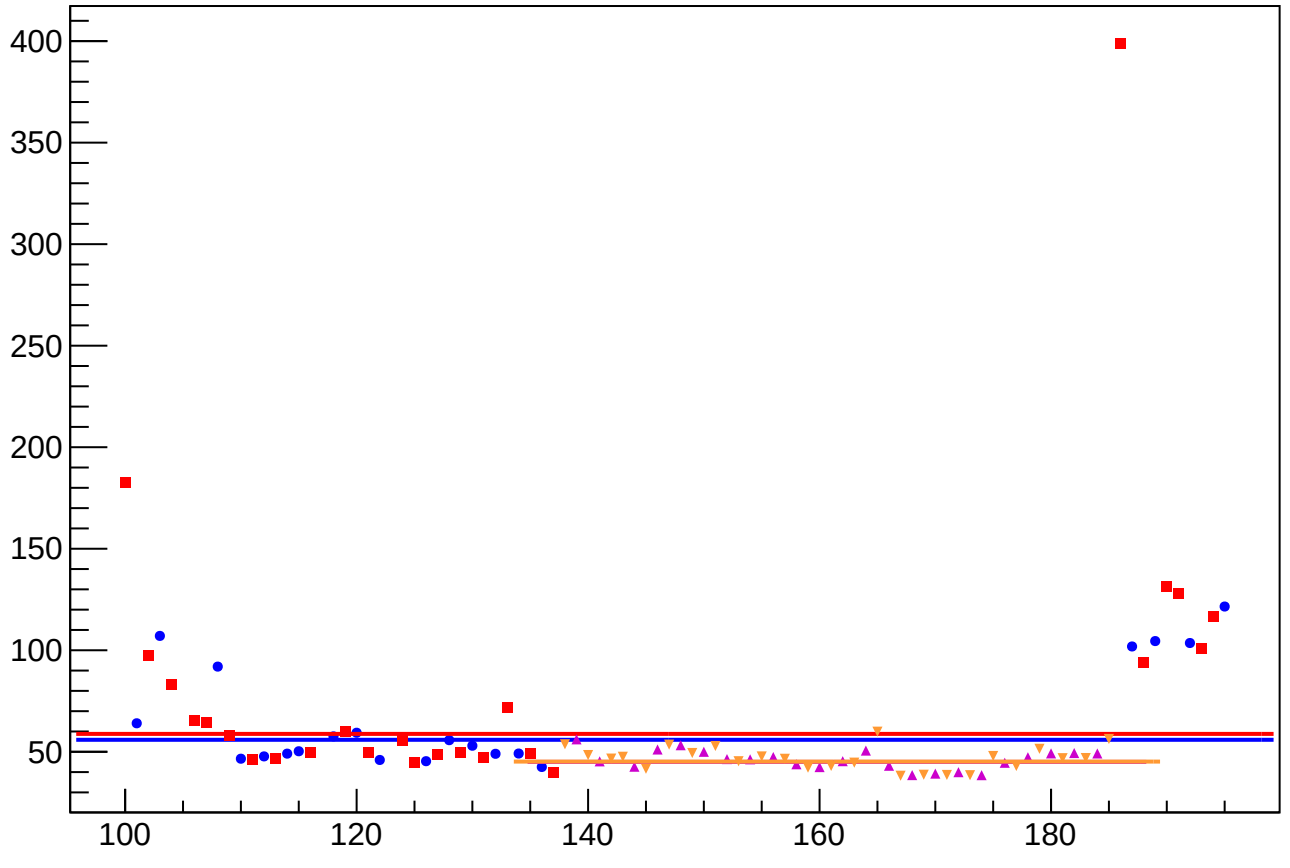
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.333+/-13.511 χ^2/NDF: 40.1/44

In: -15.962+/-9.304 χ^2/NDF:40.2/42

Out: -22.816+/-9.134 χ^2/NDF:98.6/49

All: -19.452+/-6.518 χ^2/NDF: 139.1/92



Right In: 55.905+/-0.013 χ^2/NDF: 1966695.1/19

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 58.812+/-0.014 χ^2/NDF: 2796098.6/24

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

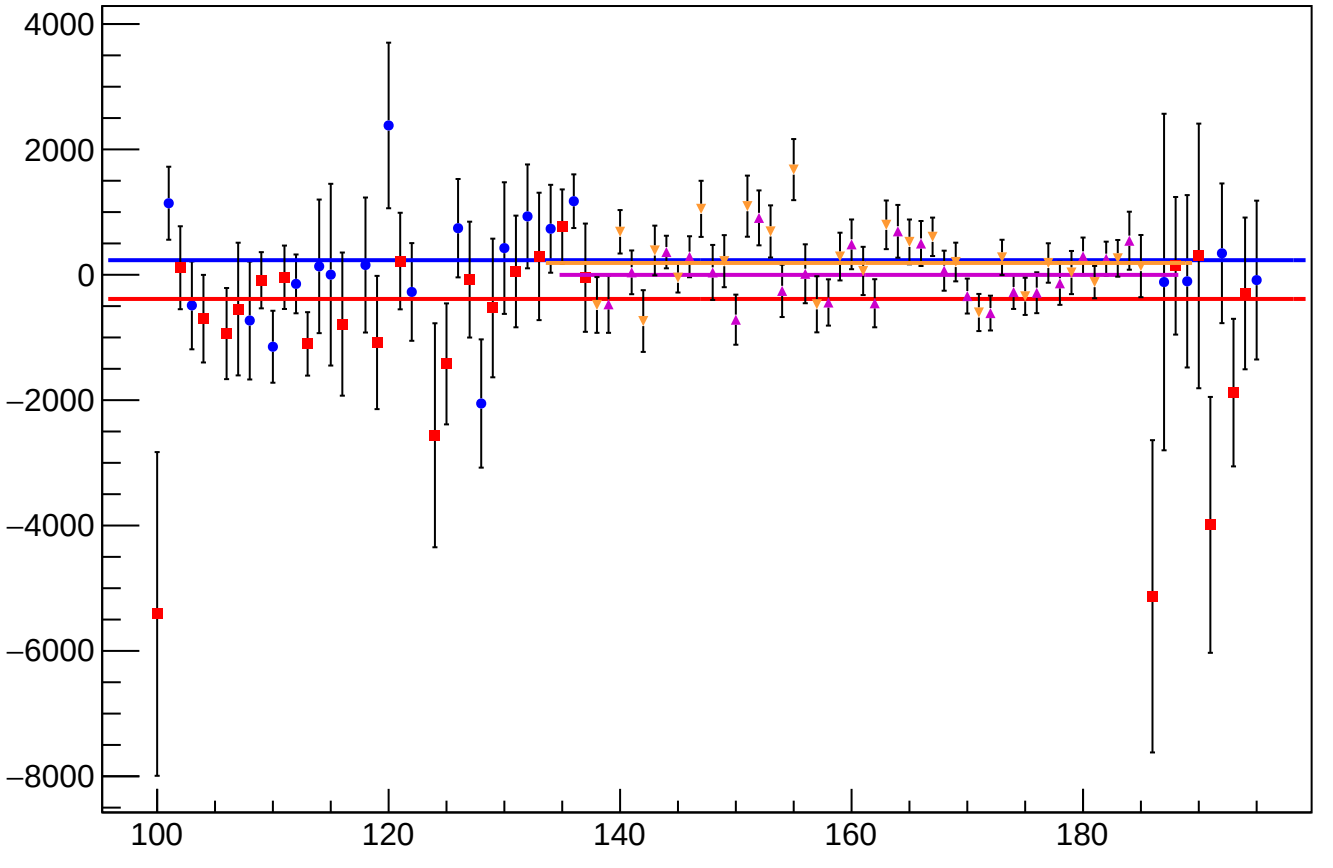
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 57.352+/-0.010 χ^2/NDF: 4785928.7/44

In: 47.610+/-0.007 χ^2/NDF:2836213.7/42

Out: 48.278+/-0.006 χ^2/NDF:4069542.1/49

All: 47.950+/-0.005 χ^2/NDF: 6911002.4/92



Right In: 232.841+/-174.971 χ^2/NDF: 25.7/19

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -385.574+/-166.597 χ^2/NDF: 25.3/24

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

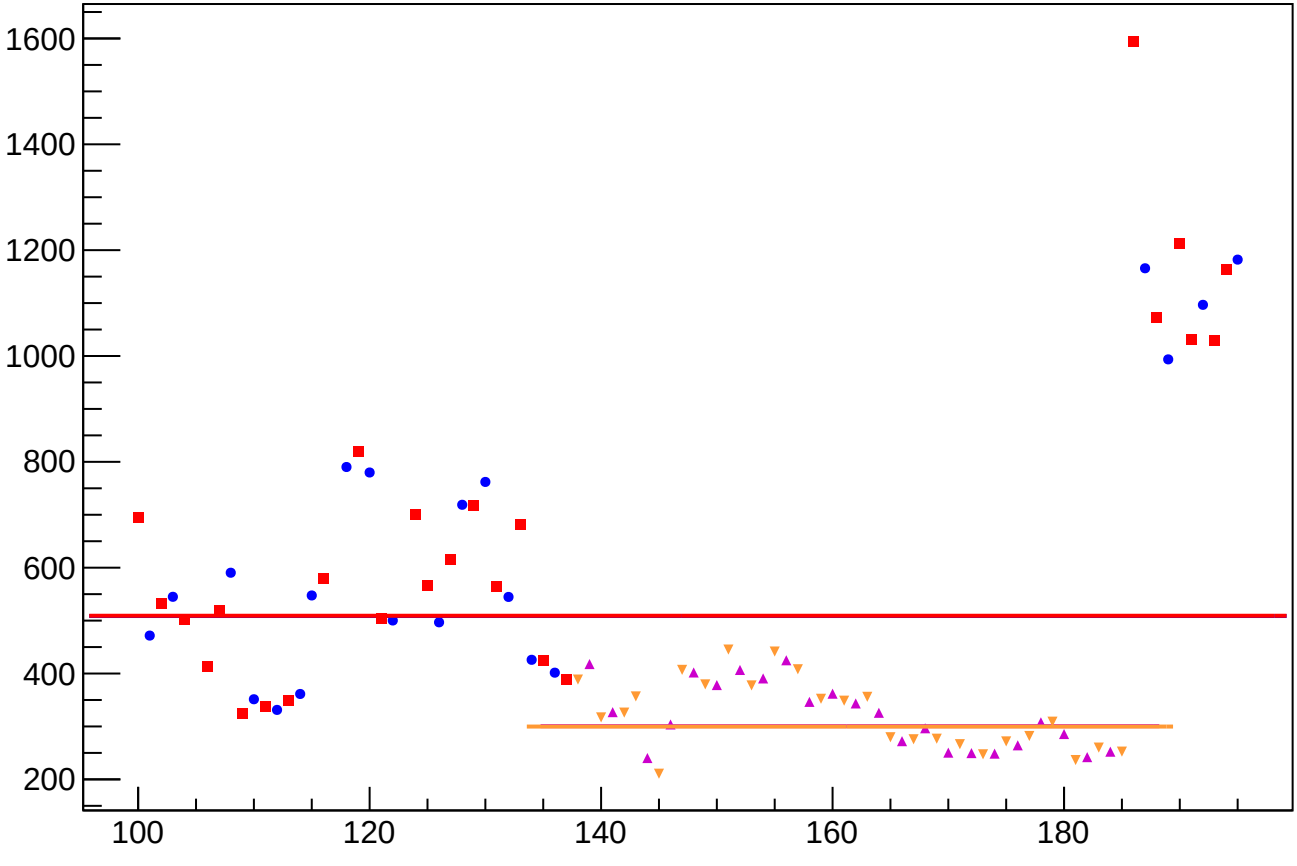
Right: -91.519+/-120.654 χ^2/NDF: 57.6/44

In: 32.071+/-66.356 χ^2/NDF:59.5/42

Out: 103.221+/-64.310 χ^2/NDF:82.2/49

All: 68.760+/-46.180 χ^2/NDF: 142.3/92

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 508.664+/-0.124 χ^2/NDF: 2574570.8/19

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 509.165+/-0.118 χ^2/NDF: 3501176.7/24

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

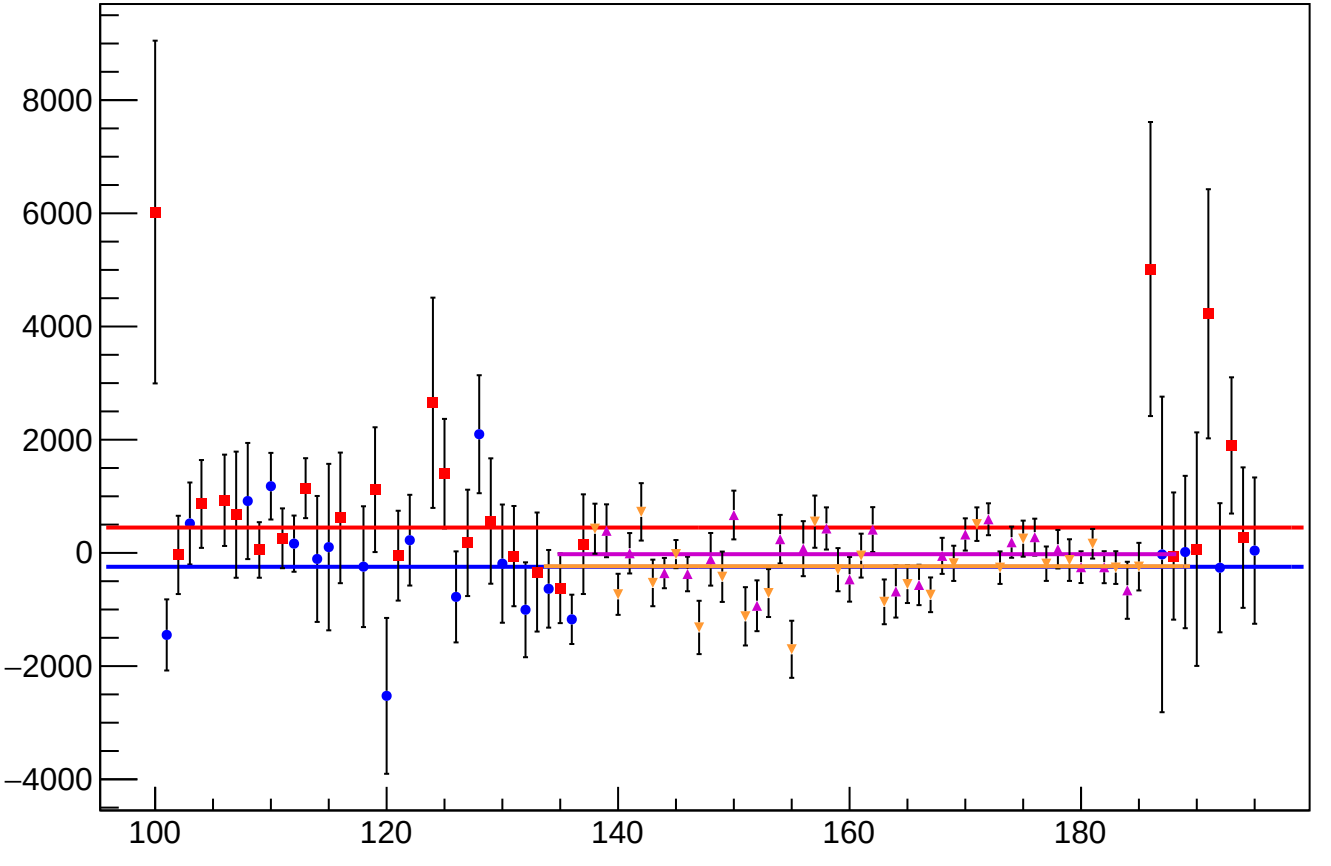
Right: 508.927+/-0.085 χ^2/NDF: 6075756.1/44

In: 330.476+/-0.047 χ^2/NDF:6256457.6/42

Out: 330.997+/-0.045 χ^2/NDF:7766626.2/49

All: 330.745+/-0.033 χ^2/NDF: 14023147.3/92

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -245.266+/-180.159 χ^2/NDF: 27.0/19

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 448.106+/-174.632 χ^2/NDF: 22.1/24

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

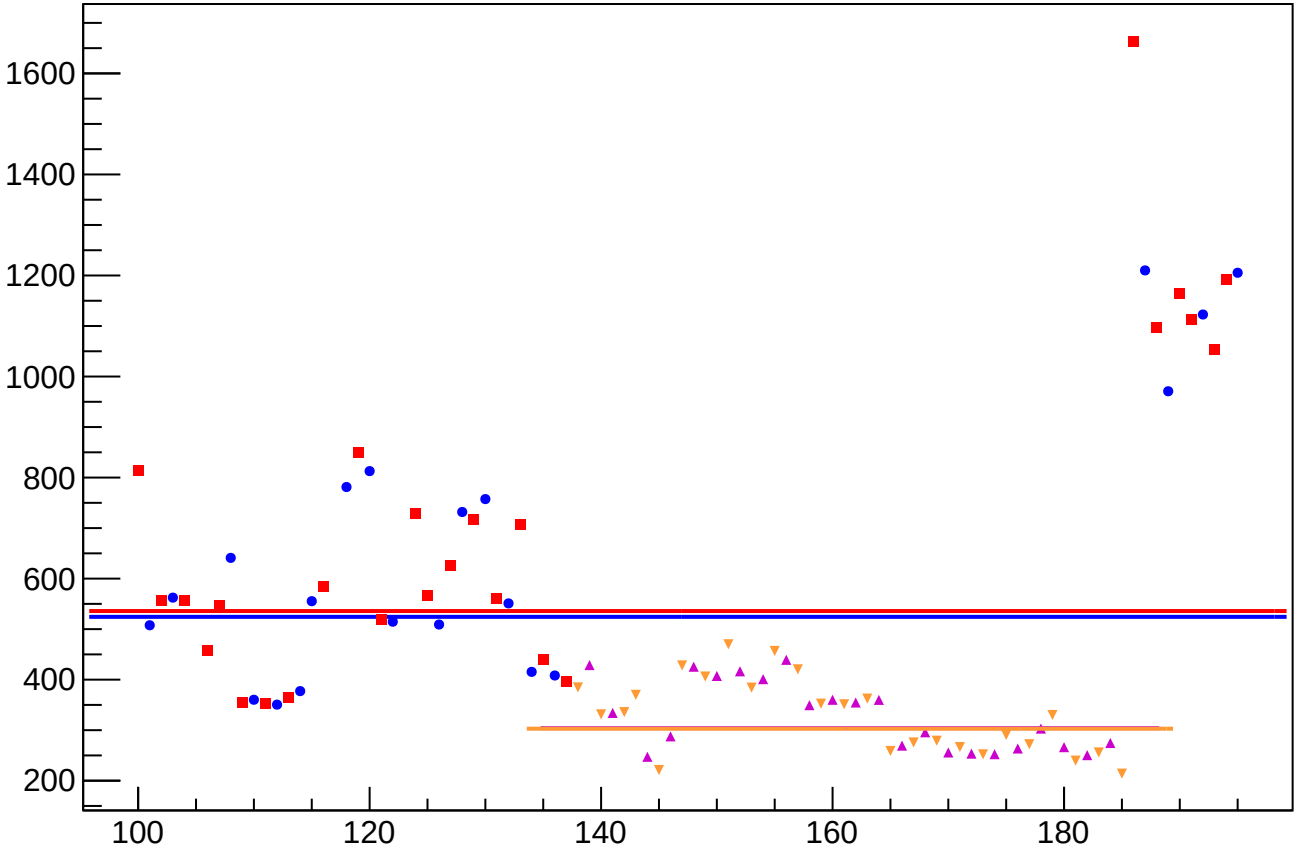
Right: 112.218+/-125.392 χ^2/NDF: 56.7/44

In: -53.792+/-67.372 χ^2/NDF:58.2/42

Out: -138.851+/-65.566 χ^2/NDF:82.7/49

All: -97.477+/-46.988 χ^2/NDF: 141.7/92

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 524.315+/-0.127 χ^2/NDF: 2494047.7/19

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 535.822+/-0.123 χ^2/NDF: 3305159.4/24

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

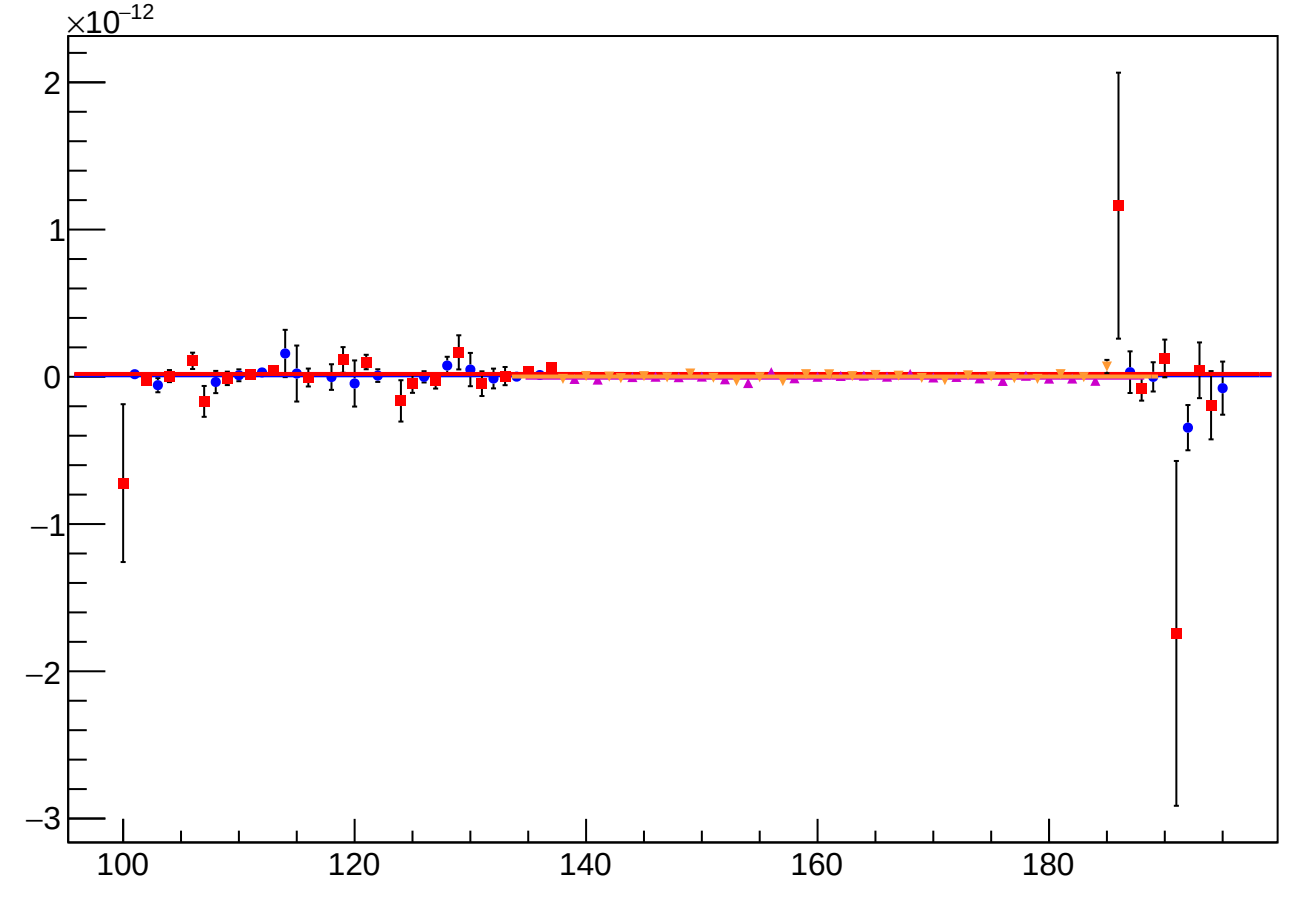
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 530.248+/-0.089 χ^2/NDF: 5803413.5/44

In: 334.744+/-0.048 χ^2/NDF:6444800.8/42

Out: 335.771+/-0.046 χ^2/NDF:8126493.8/49

All: 335.271+/-0.033 χ^2/NDF: 14571533.4/92



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/24

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

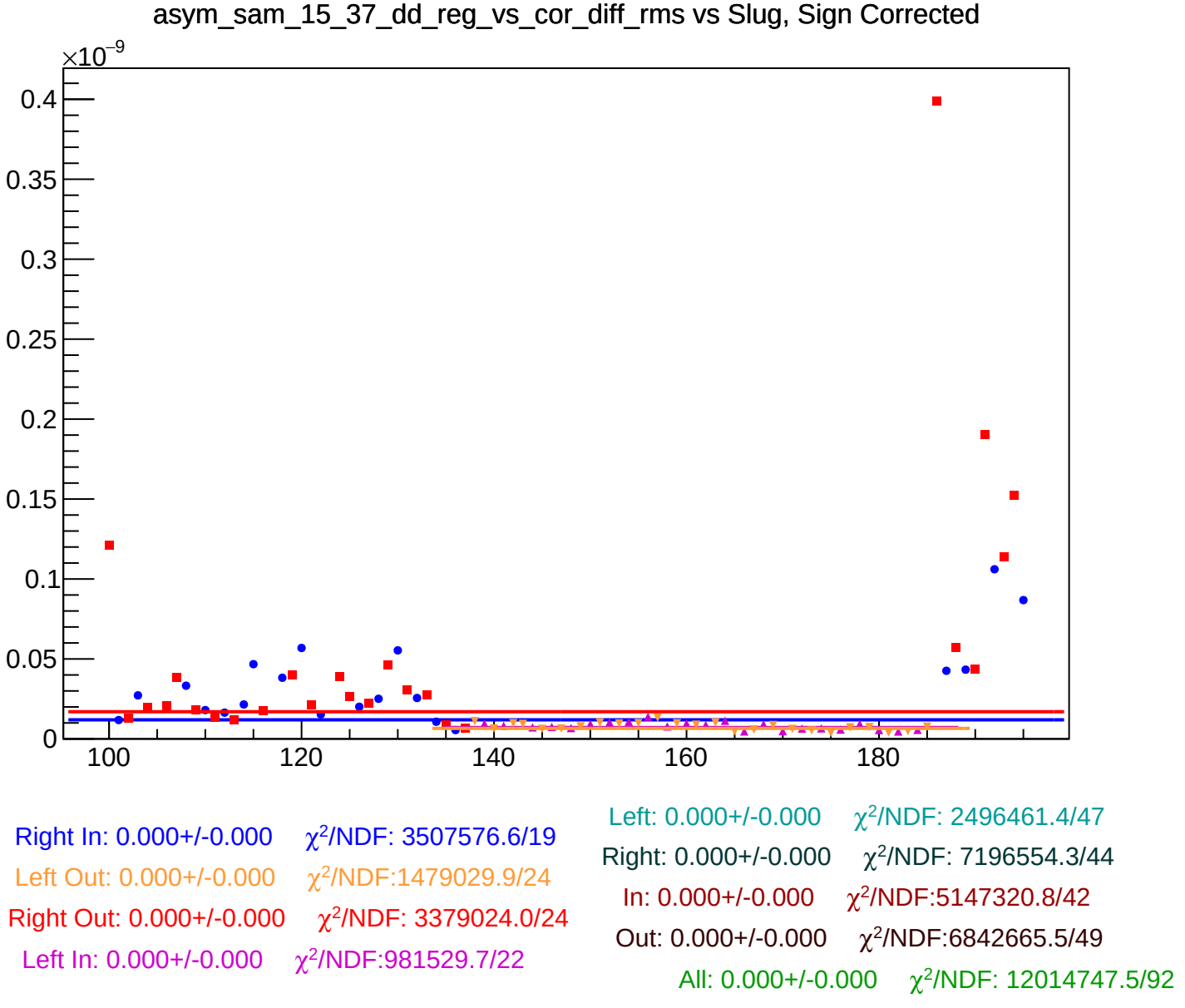
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

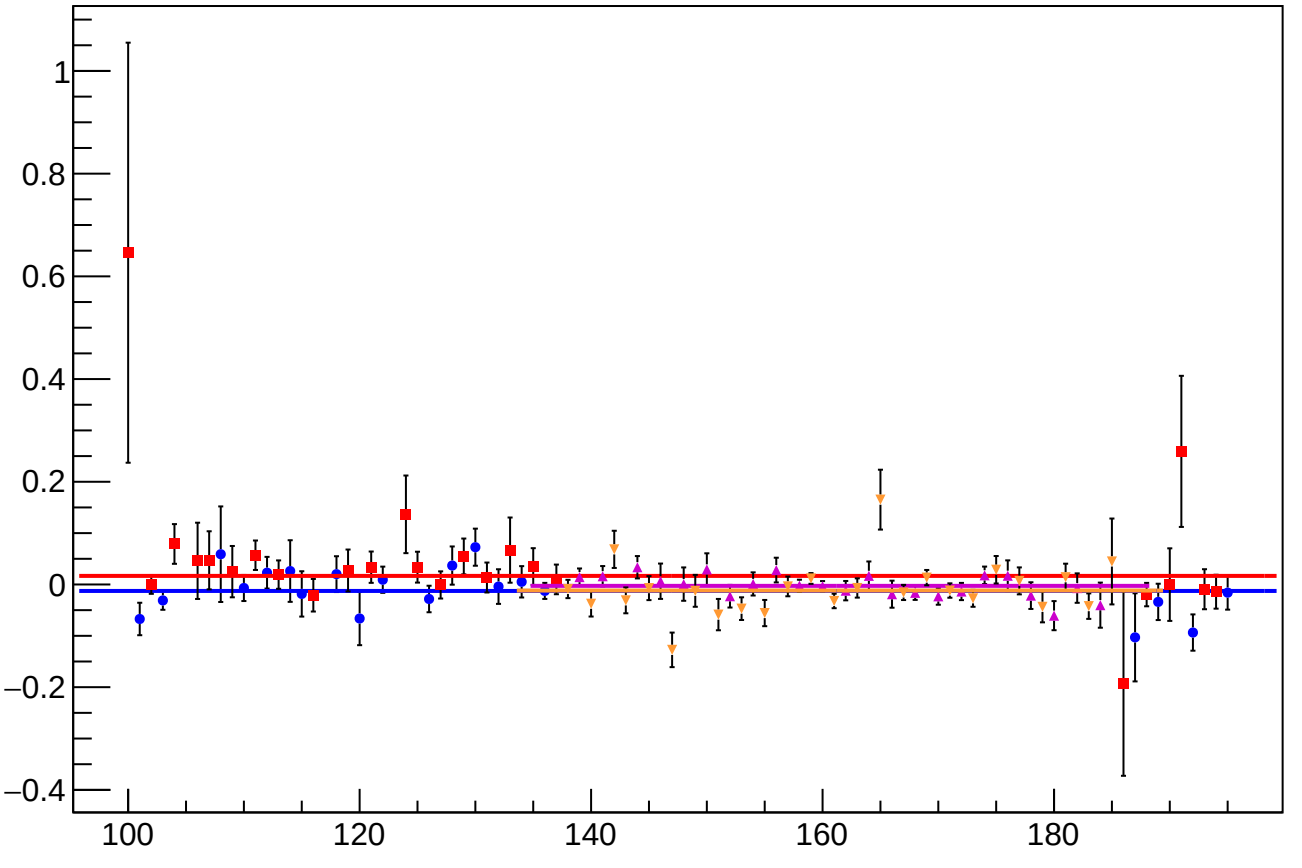
Right: 0.000+/-0.000 χ^2/NDF: 42.1/44

In: -0.000+/-0.000 χ^2/NDF:33.0/42

Out: 0.000+/-0.000 χ^2/NDF:56.2/49

All: -0.000+/-0.000 χ^2/NDF: 93.0/92


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3507576.6/19
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 3379024.0/24
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 7196554.3/44
In: 0.000+/-0.000 χ²/NDF:5147320.8/42
Out: 0.000+/-0.000 χ²/NDF:6842665.5/49
All: 0.000+/-0.000 χ²/NDF: 12014747.5/92



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

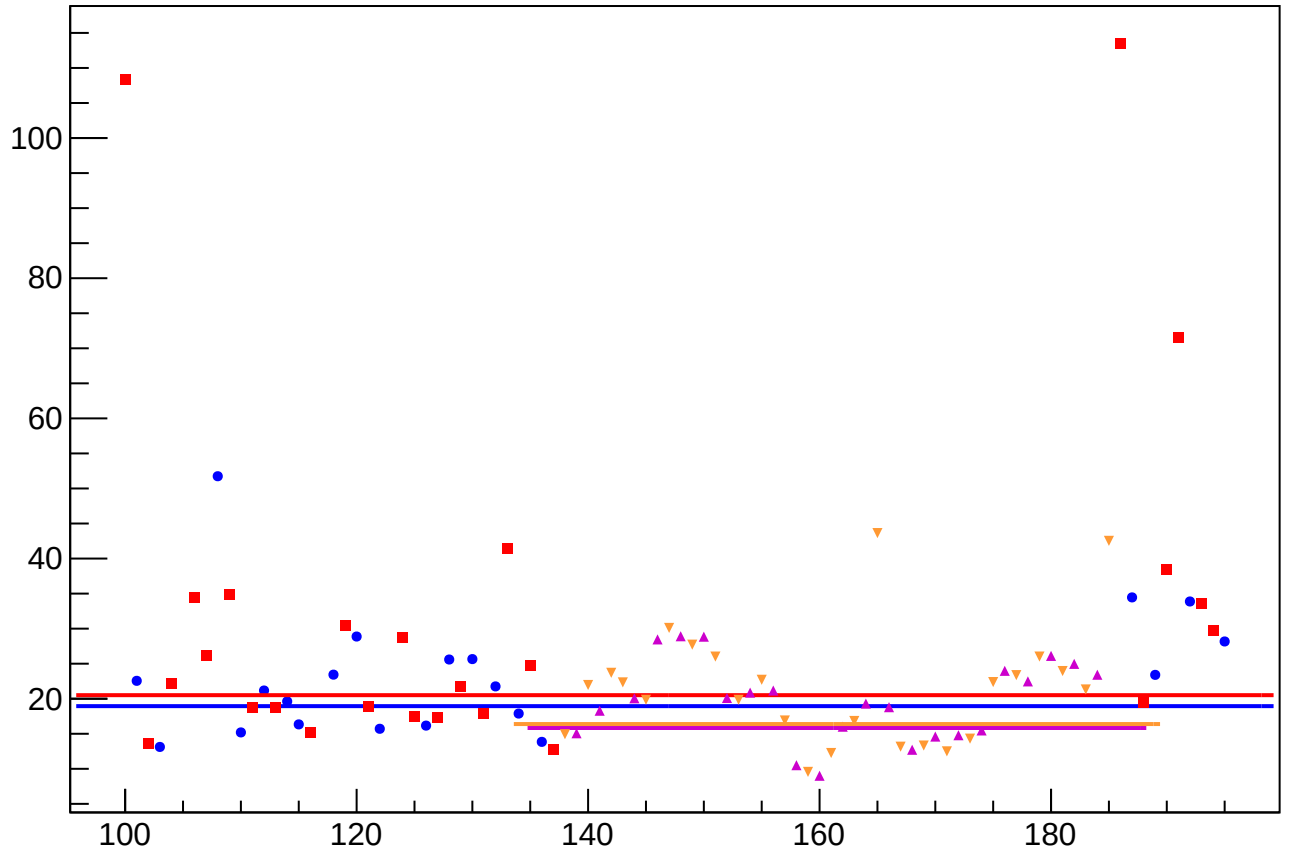
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.005 χ^2/NDF: 56.5/44

In: -0.005+/-0.003 χ^2/NDF:45.3/42

Out: -0.005+/-0.004 χ^2/NDF:89.3/49

All: -0.005+/-0.002 χ^2/NDF: 134.6/92



Right In: 18.943+/-0.005 χ^2/NDF: 1673738.5/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 20.508+/-0.005 χ^2/NDF: 2607416.6/24

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

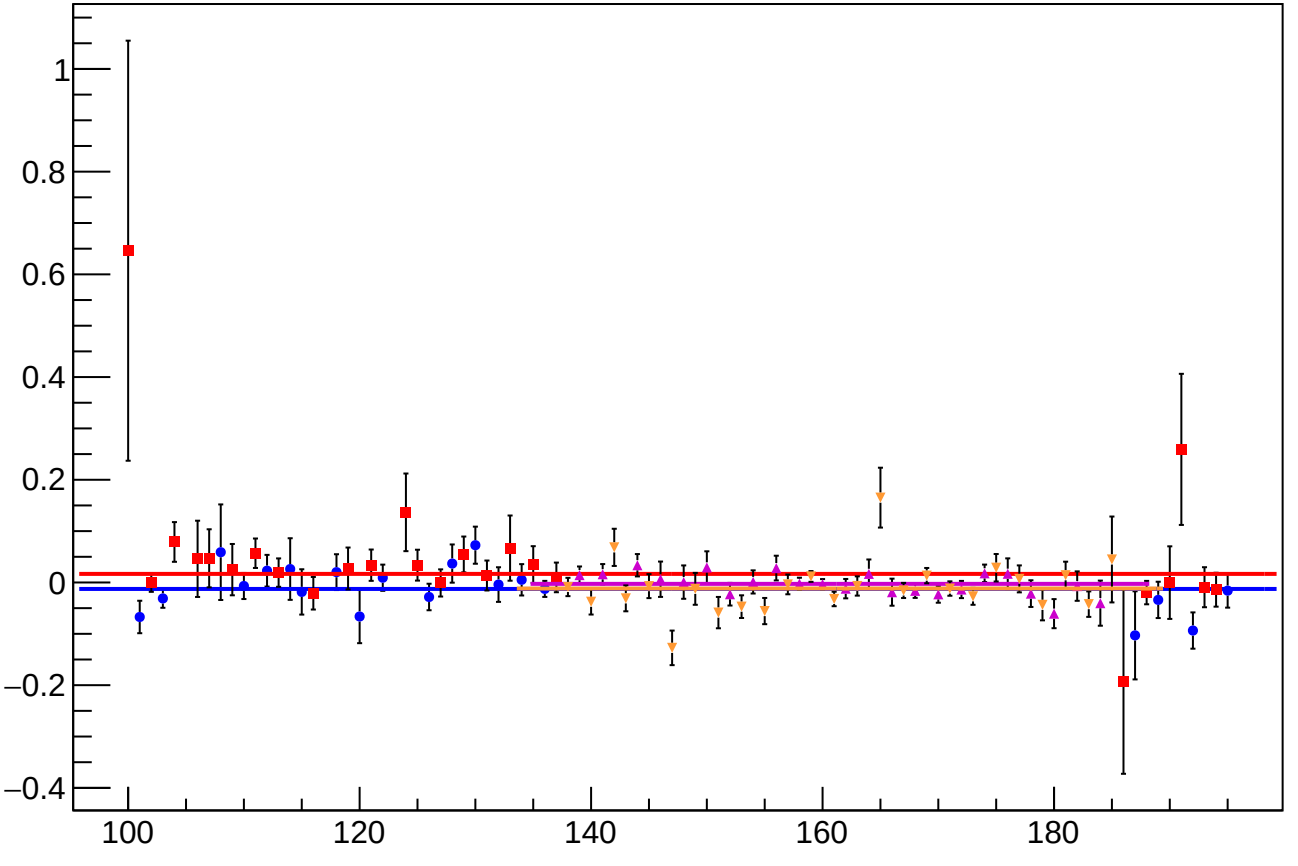
Right: 19.698+/-0.003 χ^2/NDF: 4333039.1/44

In: 16.646+/-0.002 χ^2/NDF:5642506.0/42

Out: 17.429+/-0.002 χ^2/NDF:7156580.9/49

All: 17.032+/-0.002 χ^2/NDF: 12849392.8/92

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

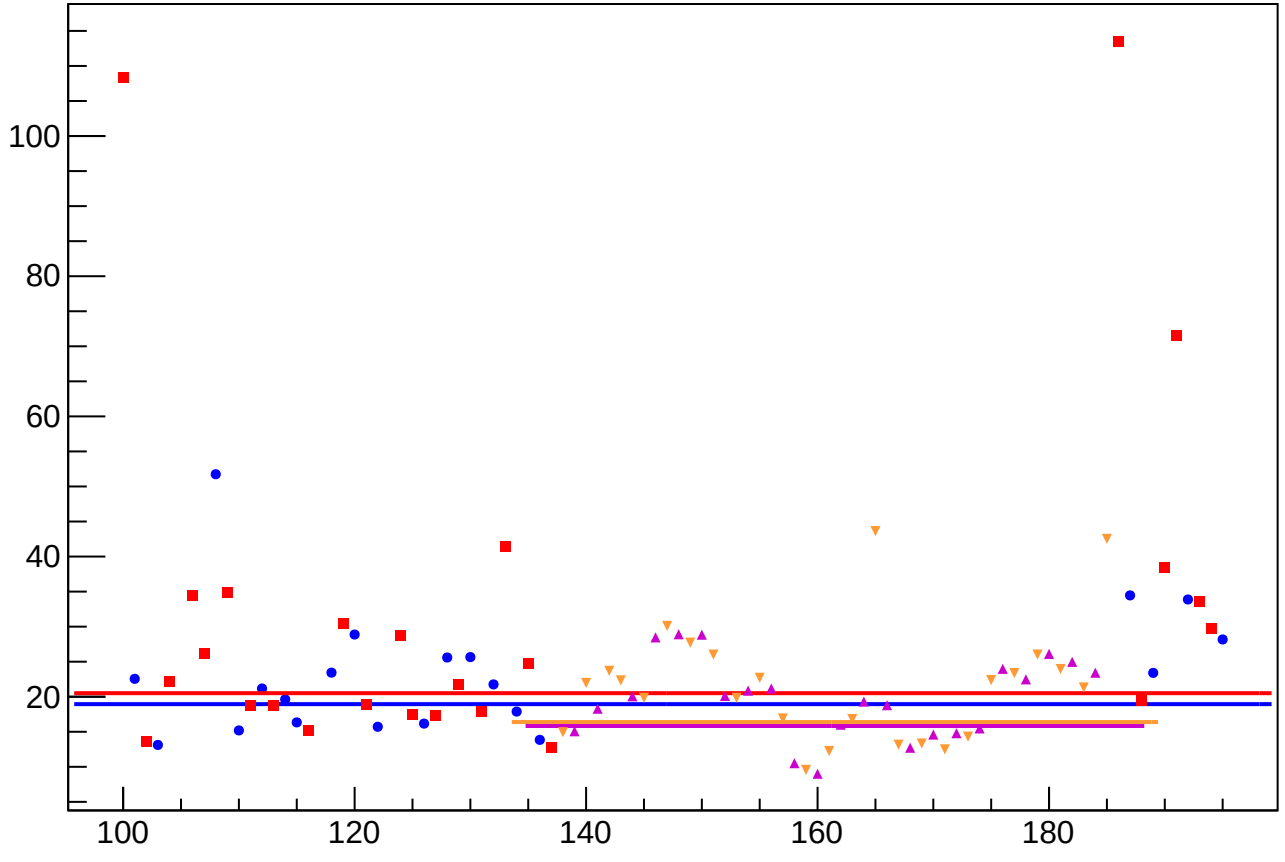
Right: 0.002+/-0.005 χ^2/NDF: 56.5/44

In: -0.005+/-0.003 χ^2/NDF:45.3/42

Out: -0.005+/-0.004 χ^2/NDF:89.3/49

All: -0.005+/-0.002 χ^2/NDF: 134.6/92

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.943+/-0.005 χ^2/NDF: 1673738.5/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 20.508+/-0.005 χ^2/NDF: 2607416.6/24

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

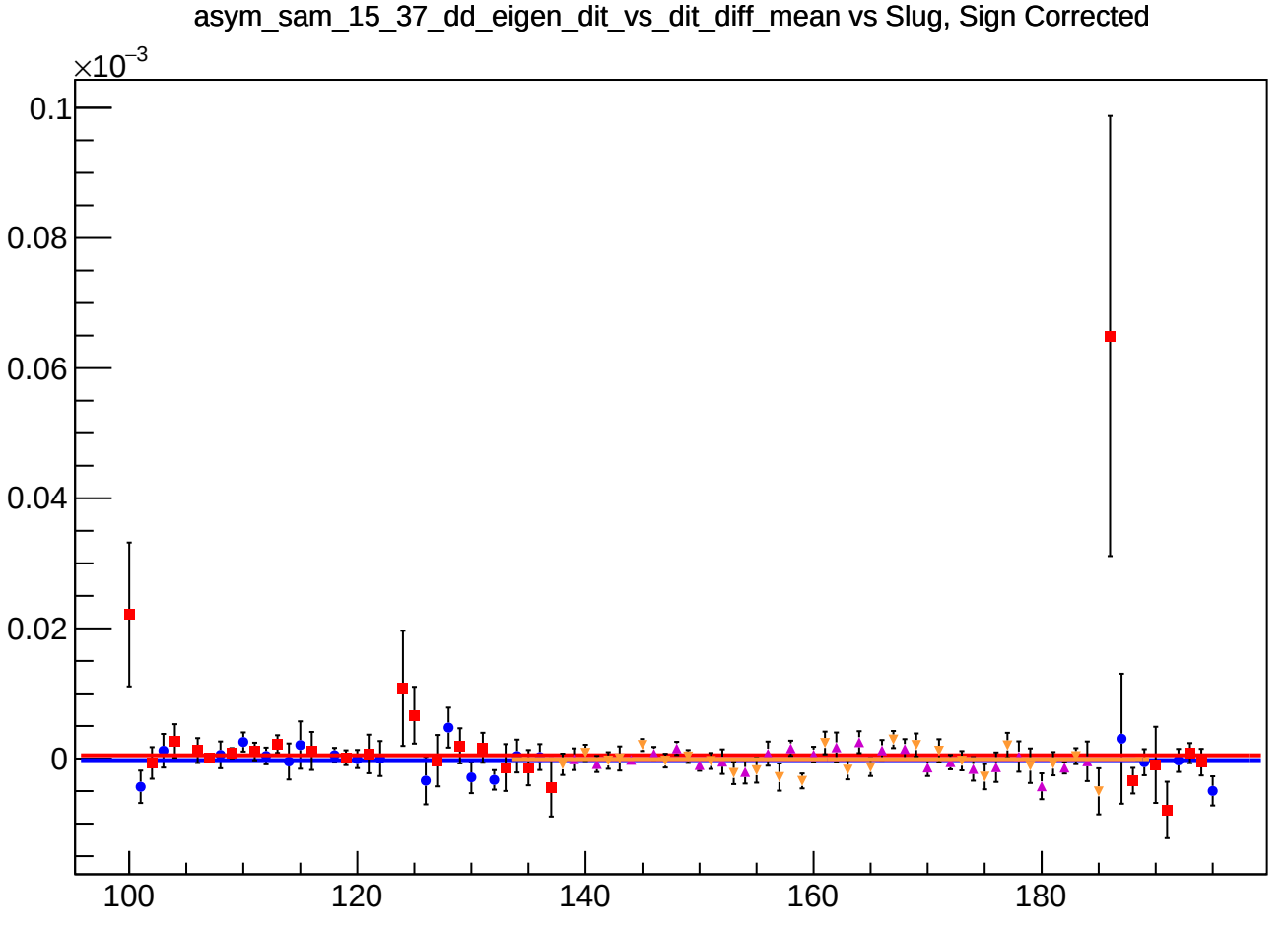
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 19.698+/-0.003 χ^2/NDF: 4333039.1/44

In: 16.646+/-0.002 χ^2/NDF:5642506.0/42

Out: 17.429+/-0.002 χ^2/NDF:7156580.9/49

All: 17.032+/-0.002 χ^2/NDF: 12849392.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/24

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

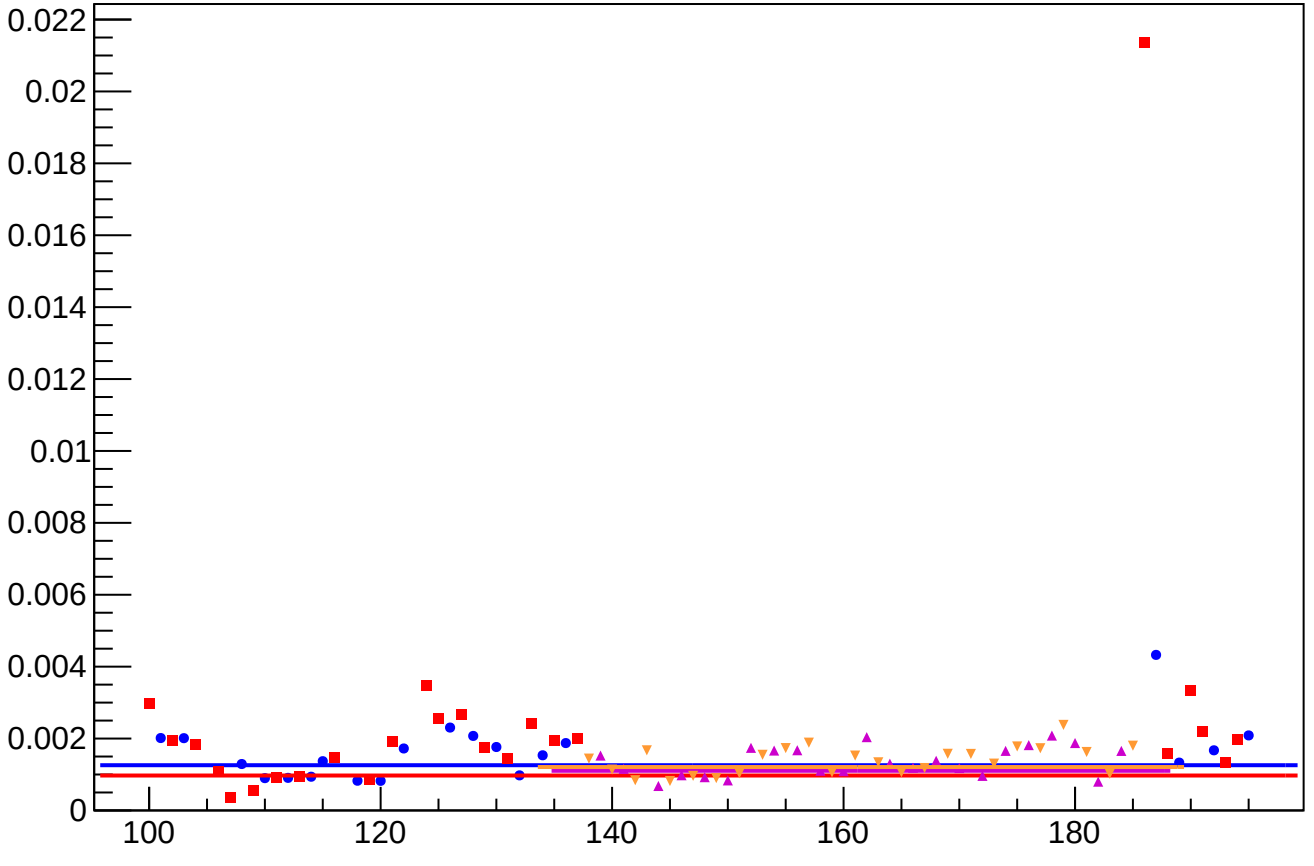
Right: 0.000+/-0.000 χ^2/NDF: 48.0/44

In: -0.000+/-0.000 χ^2/NDF:43.3/42

Out: 0.000+/-0.000 χ^2/NDF:62.7/49

All: 0.000+/-0.000 χ^2/NDF: 106.8/92

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2457084.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6571782.9/24

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

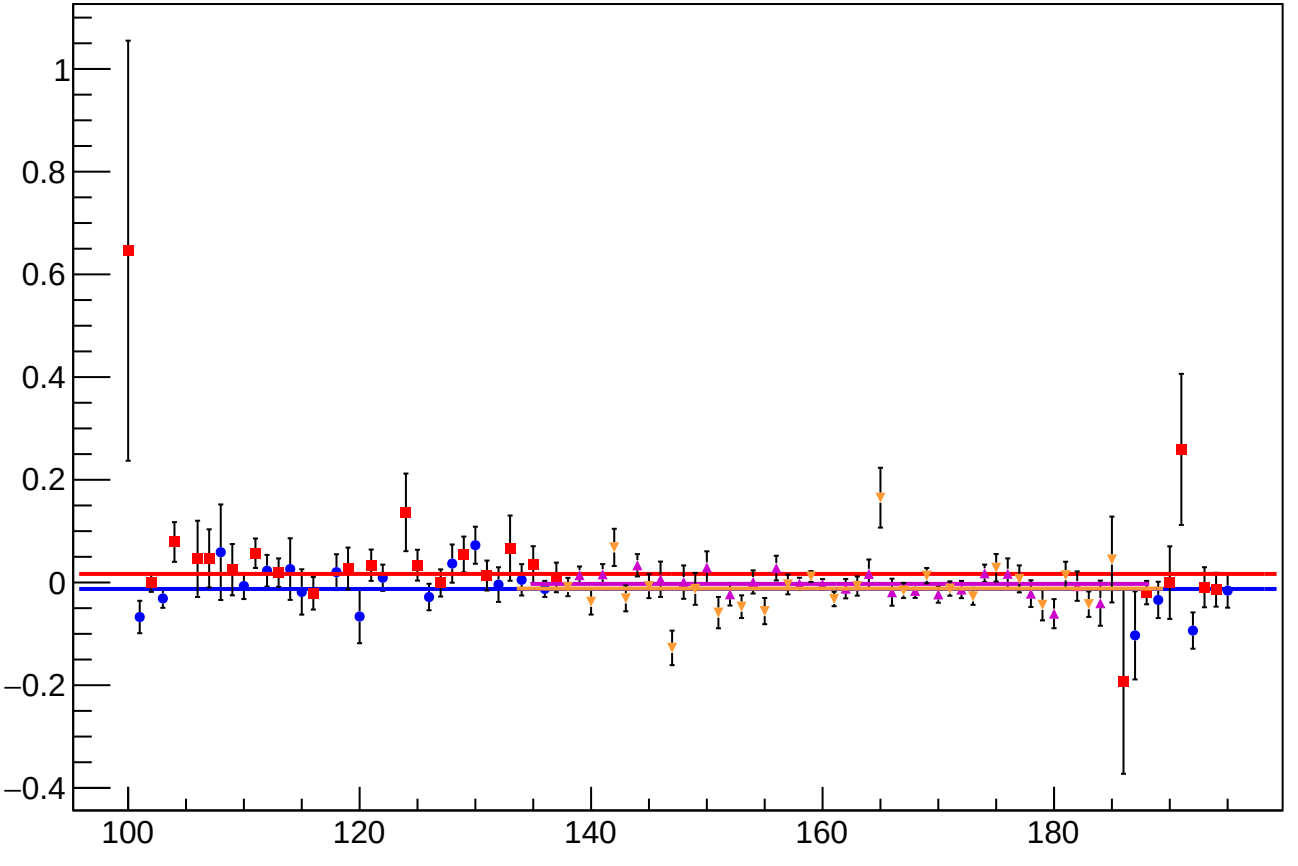
Right: 0.001+/-0.000 χ^2/NDF: 9547229.1/44

In: 0.001+/-0.000 χ^2/NDF:6132356.1/42

Out: 0.001+/-0.000 χ^2/NDF:9822925.7/49

All: 0.001+/-0.000 χ^2/NDF: 15976563.7/92

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

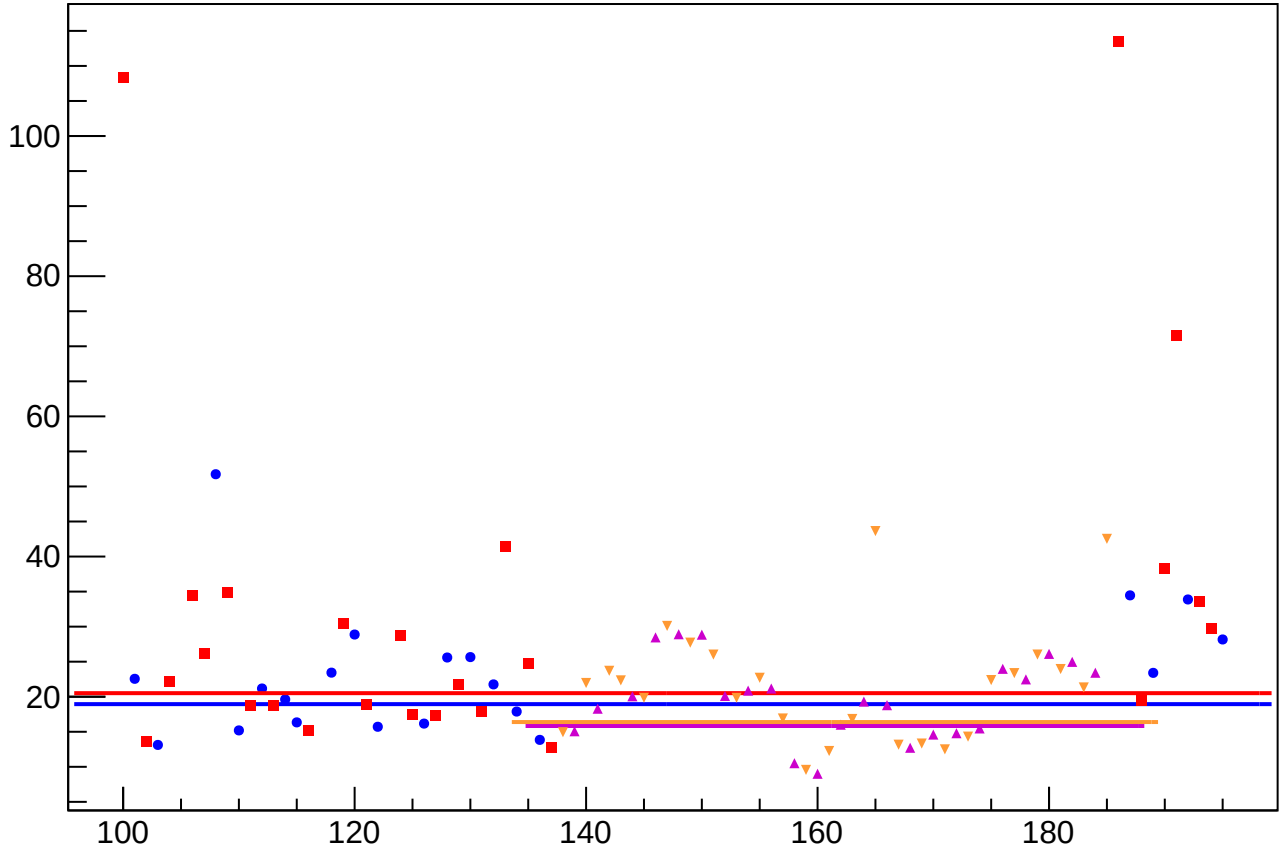
Right: 0.002+/-0.005 χ^2/NDF: 56.5/44

In: -0.005+/-0.003 χ^2/NDF:45.3/42

Out: -0.005+/-0.004 χ^2/NDF:89.3/49

All: -0.005+/-0.002 χ^2/NDF: 134.6/92

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.943+/-0.005 χ^2/NDF: 1673761.0/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 20.509+/-0.005 χ^2/NDF: 2607244.1/24

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

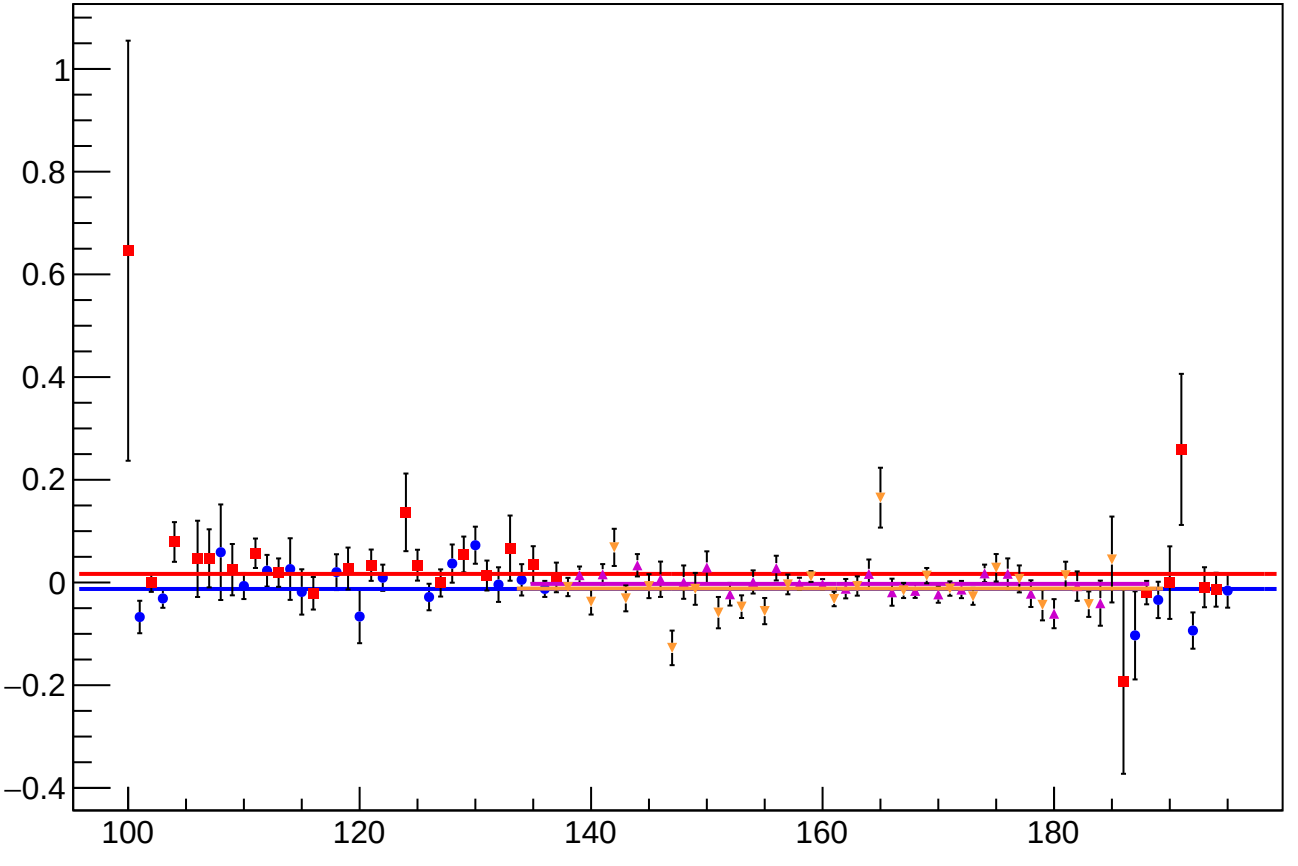
Right: 19.698+/-0.003 χ^2/NDF: 4332918.4/44

In: 16.646+/-0.002 χ^2/NDF:5642955.4/42

Out: 17.429+/-0.002 χ^2/NDF:7156825.6/49

All: 17.032+/-0.002 χ^2/NDF: 12850104.0/92

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.007 χ^2/NDF: 23.9/19

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

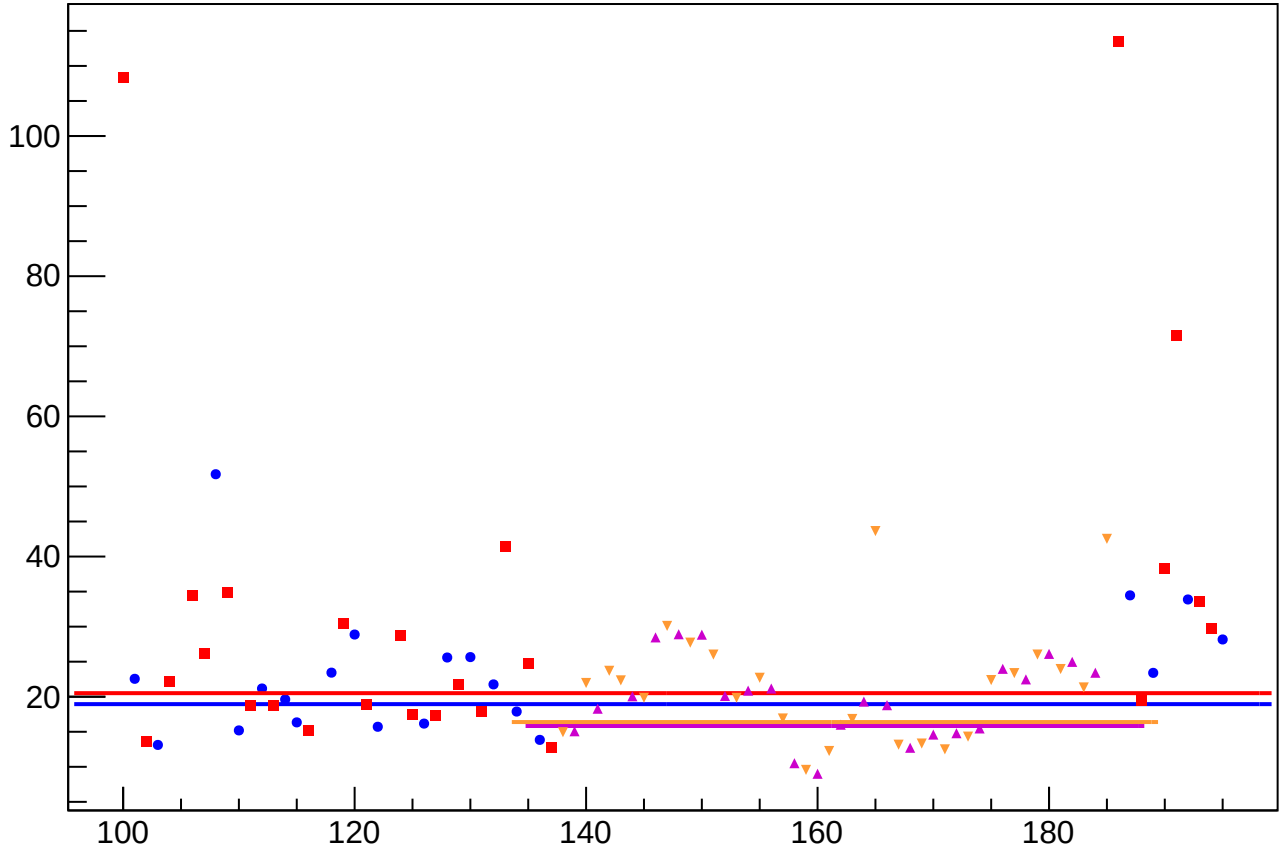
Right: 0.002+/-0.005 χ^2/NDF: 56.5/44

In: -0.005+/-0.003 χ^2/NDF:45.3/42

Out: -0.005+/-0.004 χ^2/NDF:89.3/49

All: -0.005+/-0.002 χ^2/NDF: 134.6/92

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.943+/-0.005 χ^2/NDF: 1673761.0/19

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 20.509+/-0.005 χ^2/NDF: 2607244.1/24

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

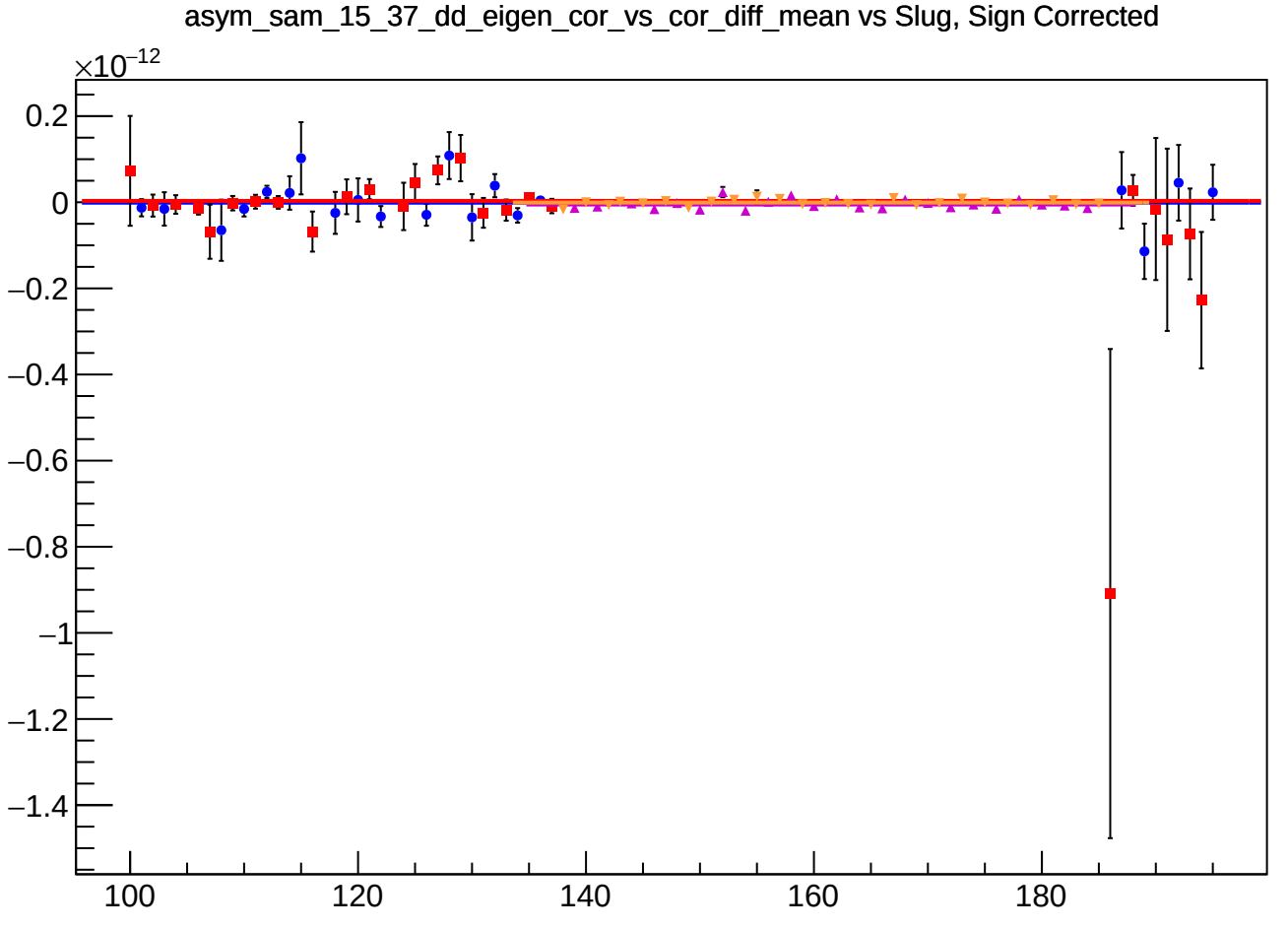
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 19.698+/-0.003 χ^2/NDF: 4332918.4/44

In: 16.646+/-0.002 χ^2/NDF:5642955.4/42

Out: 17.429+/-0.002 χ^2/NDF:7156825.6/49

All: 17.032+/-0.002 χ^2/NDF: 12850104.0/92



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/24

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

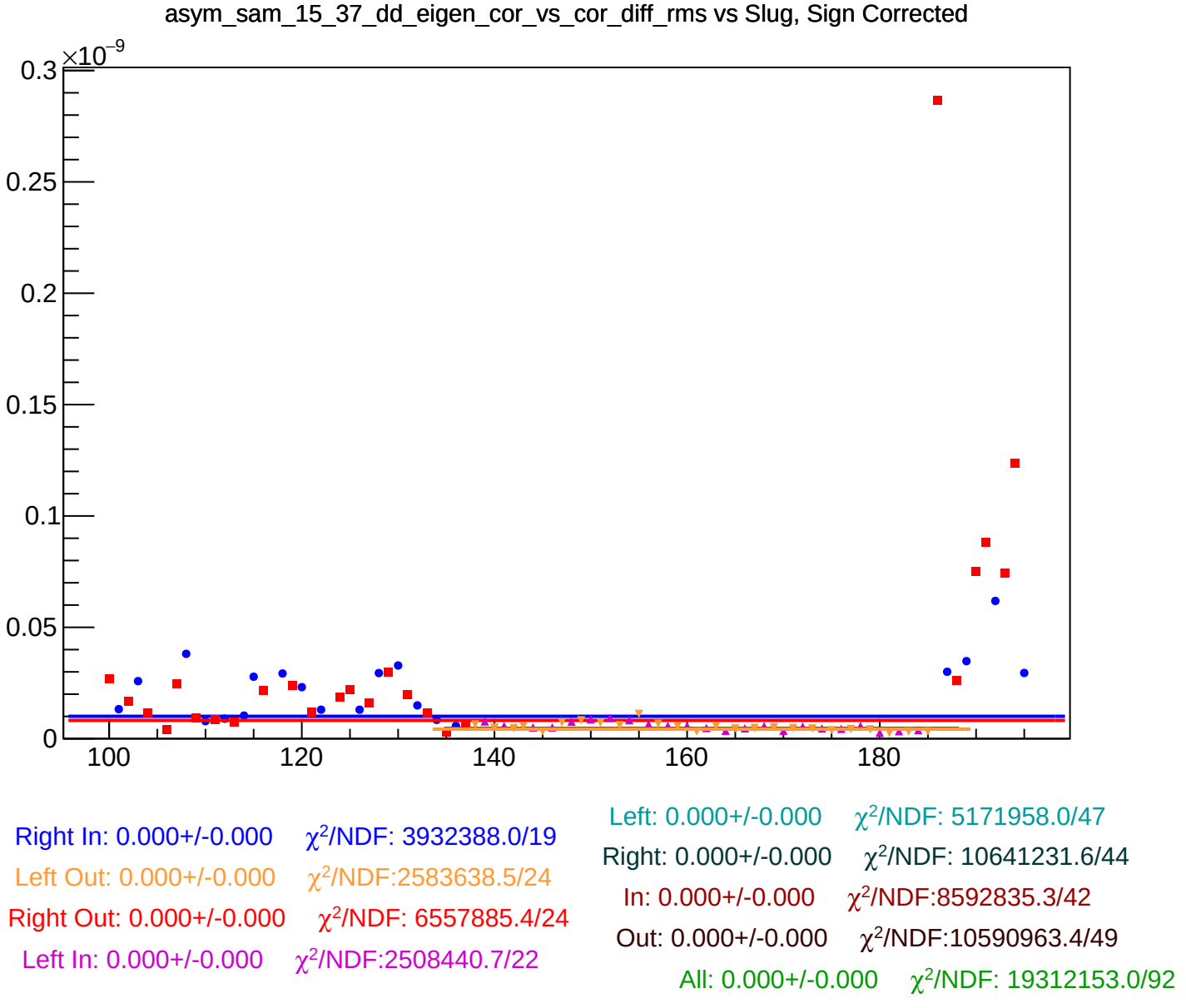
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

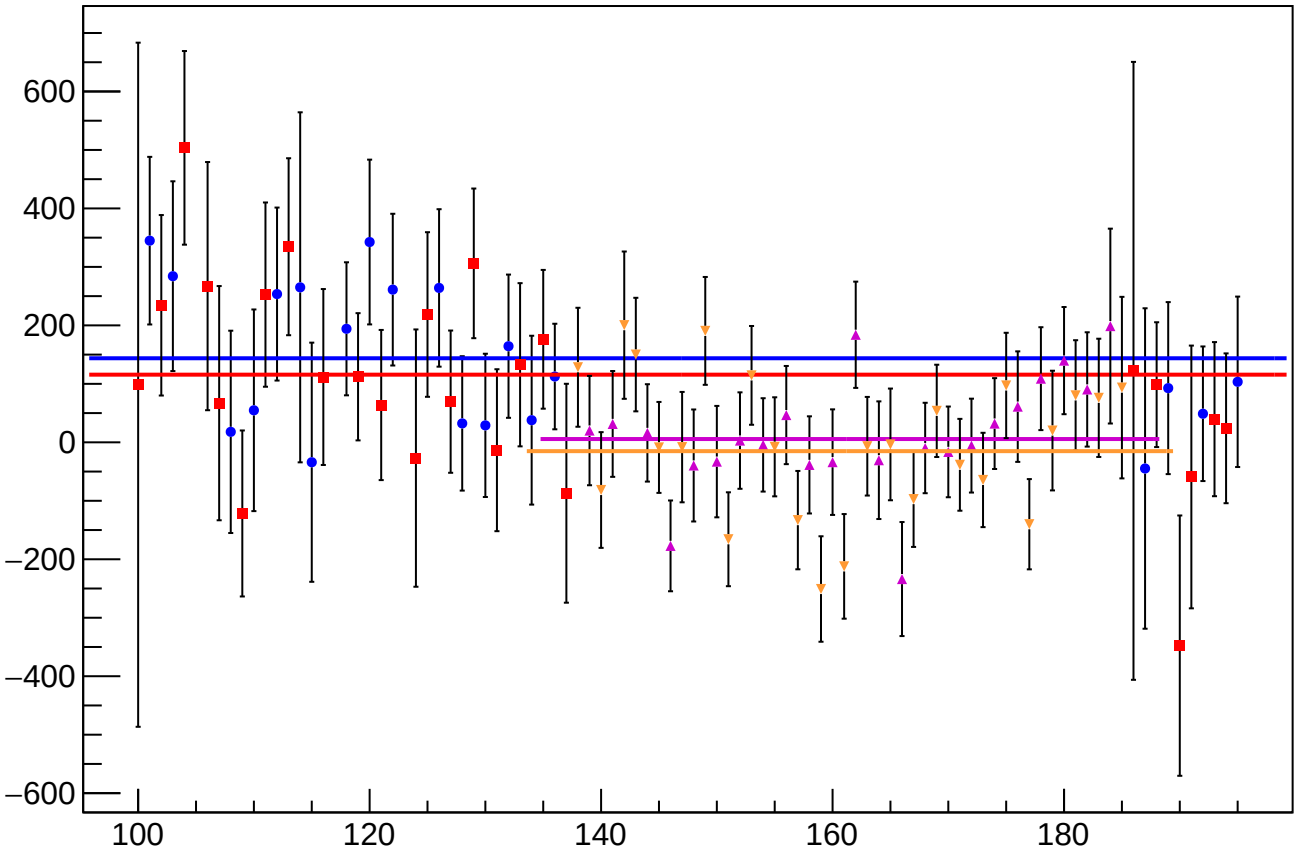
Right: 0.000+/-0.000 χ^2/NDF: 49.3/44

In: -0.000+/-0.000 χ^2/NDF:62.5/42

Out: -0.000+/-0.000 χ^2/NDF:44.9/49

All: -0.000+/-0.000 χ^2/NDF: 113.8/92


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3932388.0/19
Left Out: 0.000+/-0.000 χ²/NDF:2583638.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 6557885.4/24
Left In: 0.000+/-0.000 χ²/NDF:2508440.7/22
Left: 0.000+/-0.000 χ²/NDF: 5171958.0/47
Right: 0.000+/-0.000 χ²/NDF: 10641231.6/44
In: 0.000+/-0.000 χ²/NDF:8592835.3/42
Out: 0.000+/-0.000 χ²/NDF:10590963.4/49
All: 0.000+/-0.000 χ²/NDF: 19312153.0/92



Right In: 143.758+/-31.030 χ^2/NDF: 12.6/19

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 115.709+/-30.094 χ^2/NDF: 23.9/24

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

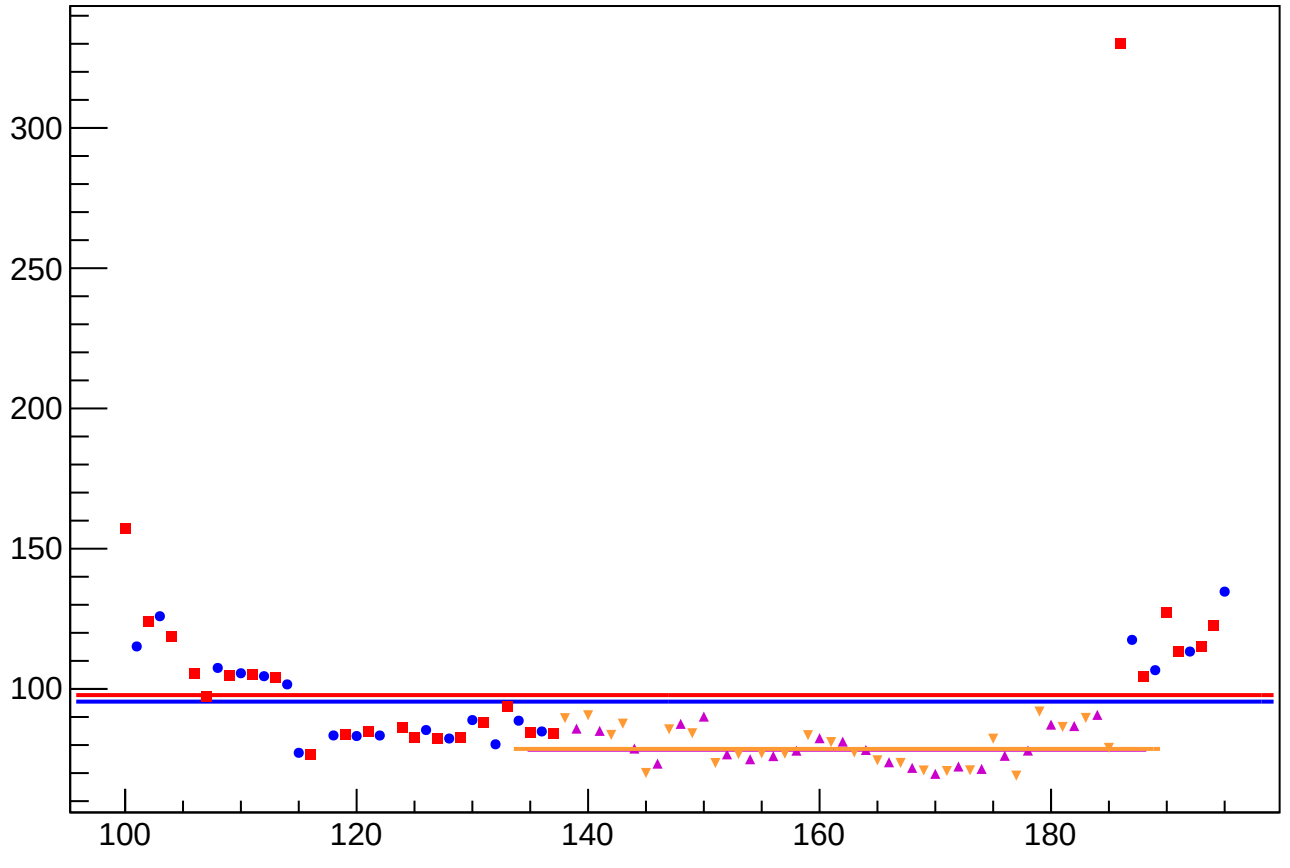
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 129.304+/-21.603 χ^2/NDF: 37.0/44

In: 41.510+/-15.815 χ^2/NDF:50.3/42

Out: 19.246+/-15.420 χ^2/NDF:79.5/49

All: 30.097+/-11.041 χ^2/NDF: 130.8/92



Right In: 95.479+/-0.022 χ^2/NDF: 527683.3/19

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 97.802+/-0.021 χ^2/NDF: 905927.5/24

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

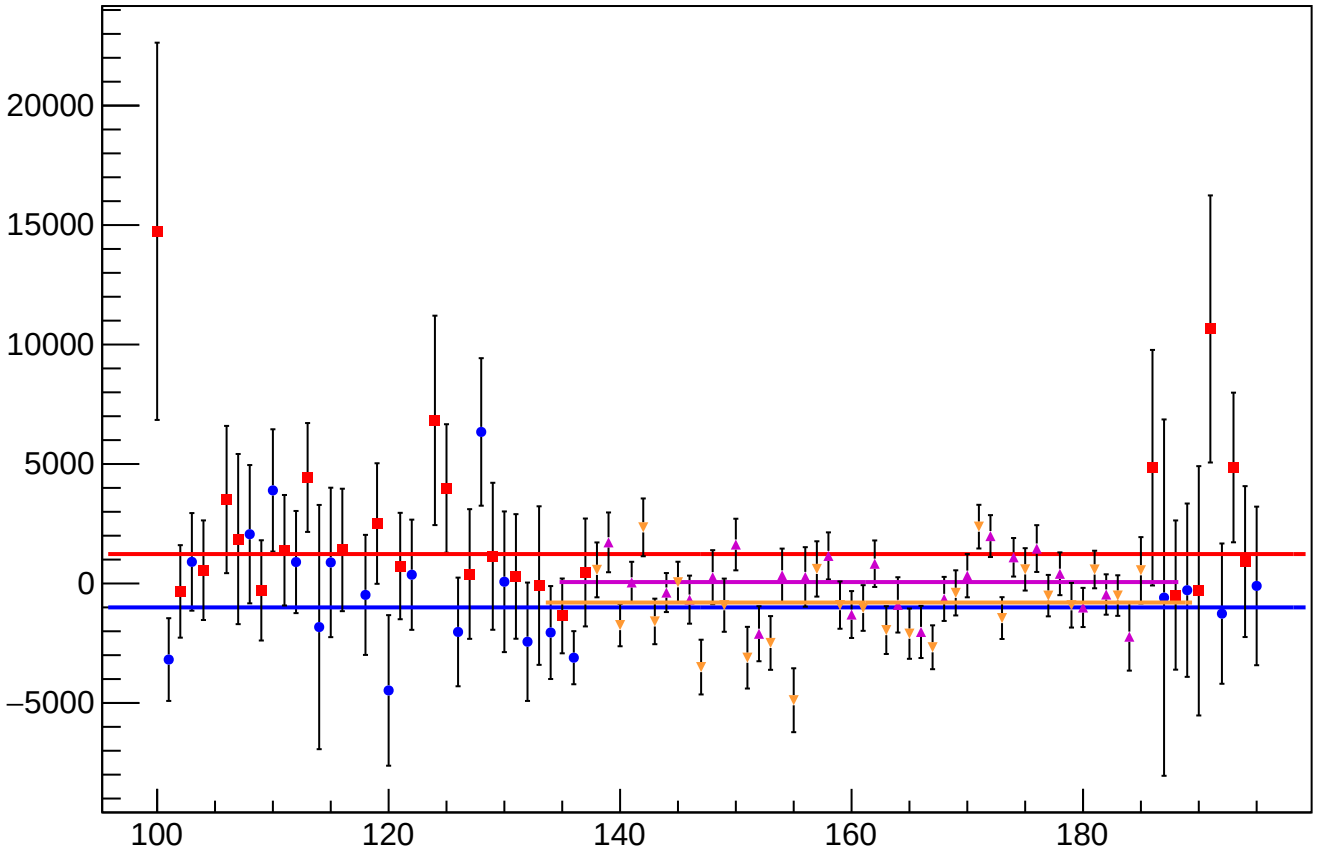
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 96.676+/-0.015 χ^2/NDF: 1439390.9/44

In: 82.788+/-0.011 χ^2/NDF:1188765.0/42

Out: 83.655+/-0.011 χ^2/NDF:1812513.6/49

All: 83.233+/-0.008 χ^2/NDF: 3004362.9/92



Right In: -1000.706+/-526.743 χ^2/NDF: 20.4/19

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1231.431+/-534.206 χ^2/NDF: 18.1/24

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

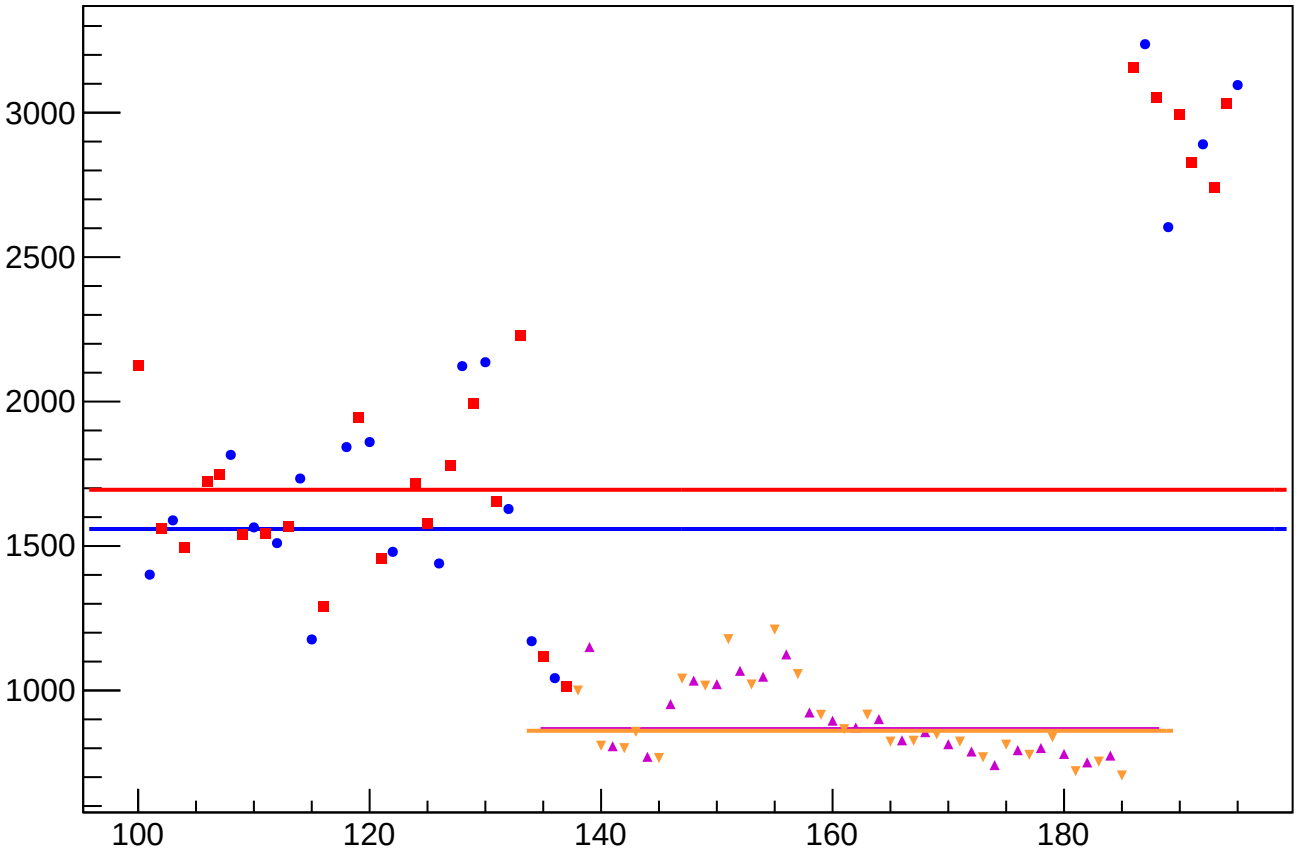
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

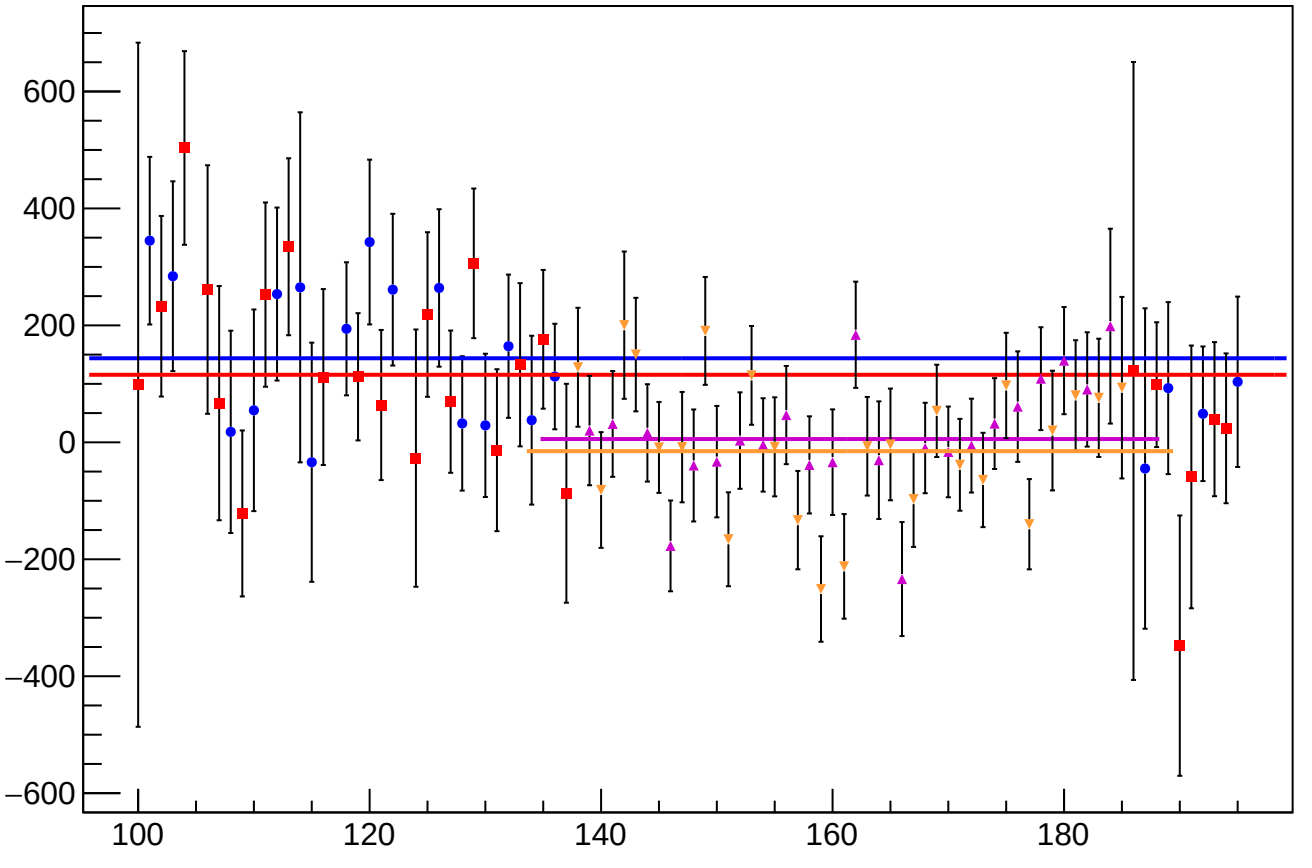
Right: 99.662+/-375.074 χ^2/NDF: 47.3/44

In: -79.300+/-190.586 χ^2/NDF:54.4/42

Out: -552.251+/-185.562 χ^2/NDF:90.2/49

All: -322.091+/-132.953 χ^2/NDF: 147.8/92


asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
120
140
160
180
Right In: 1558.933+/-0.372 χ²/NDF: 1881919.3/19
Left Out: 860.492+/-0.140 χ²/NDF:699252.0/24
Right Out: 1694.687+/-0.378 χ²/NDF: 2025687.5/24
Left In: 866.351+/-0.145 χ²/NDF:613257.7/22
Left: 863.326+/-0.101 χ²/NDF: 1313357.9/47
Right: 1625.855+/-0.265 χ²/NDF: 3973094.0/44
In: 957.020+/-0.135 χ²/NDF:5500127.4/42
Out: 961.146+/-0.131 χ²/NDF:7013436.8/49
All: 959.138+/-0.094 χ²/NDF: 12514045.4/92



Right In: 143.755+/-31.030 χ^2/NDF: 12.6/19

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 115.509+/-30.095 χ^2/NDF: 23.8/24

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

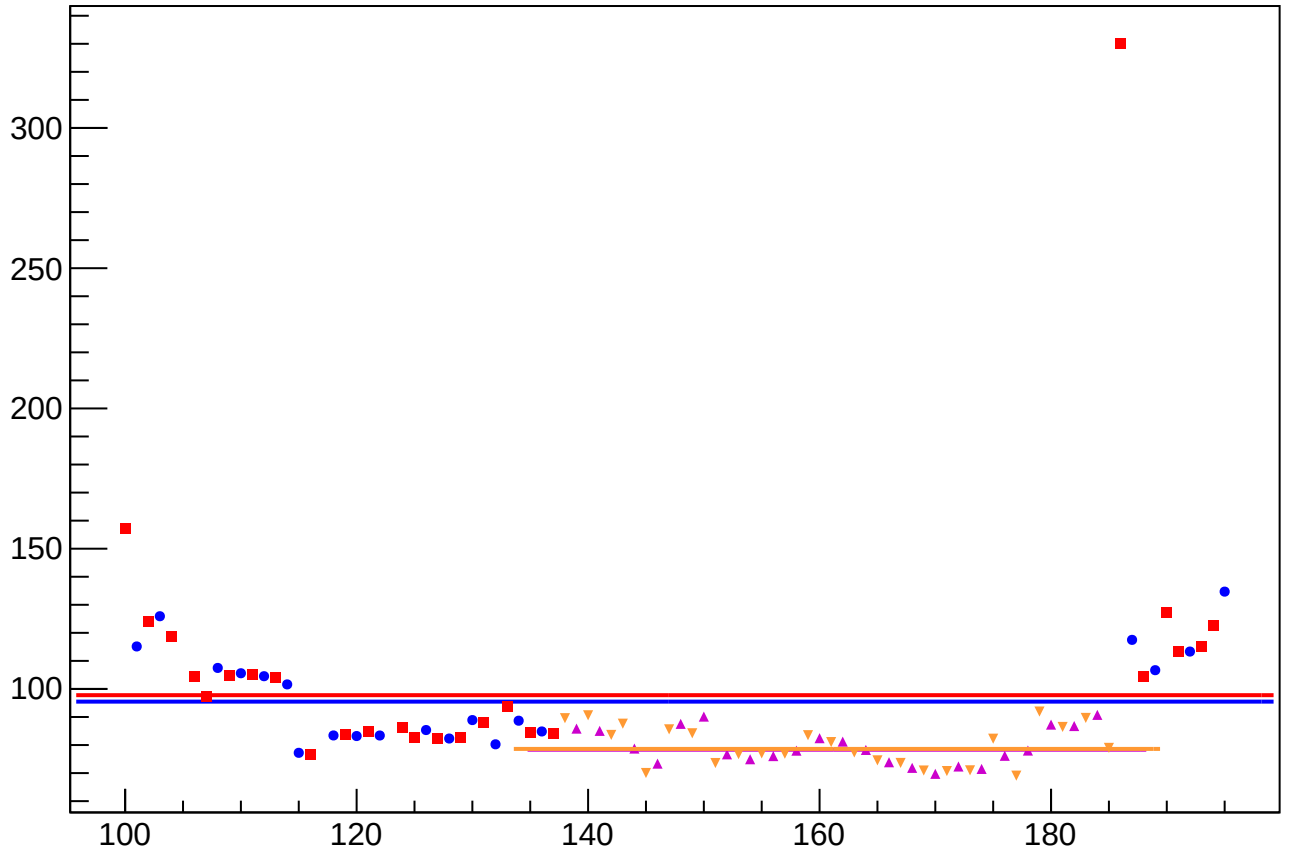
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 129.200+/-21.603 χ^2/NDF: 36.9/44

In: 41.507+/-15.815 χ^2/NDF:50.3/42

Out: 19.192+/-15.421 χ^2/NDF:79.4/49

All: 30.068+/-11.041 χ^2/NDF: 130.7/92



Right In: 95.479+/-0.022 χ^2/NDF: 527684.9/19

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 97.777+/-0.021 χ^2/NDF: 905296.4/24

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

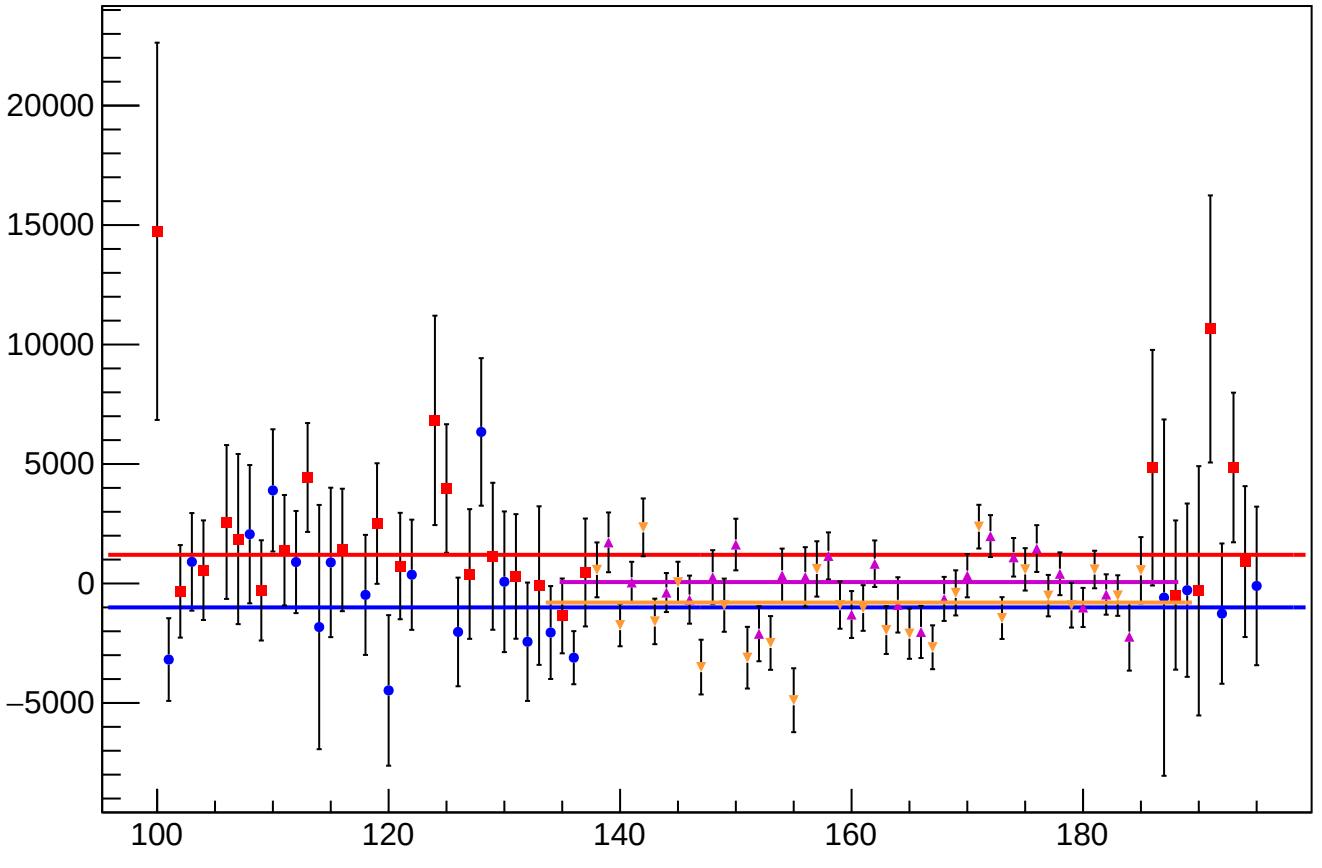
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 96.663+/-0.015 χ^2/NDF: 1438637.2/44

In: 82.788+/-0.011 χ^2/NDF:1188767.0/42

Out: 83.648+/-0.011 χ^2/NDF:1810276.1/49

All: 83.229+/-0.008 χ^2/NDF: 3002078.2/92



Right In: -1000.684+/-526.744 χ^2/NDF: 20.4/19

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1200.055+/-534.899 χ^2/NDF: 17.7/24

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

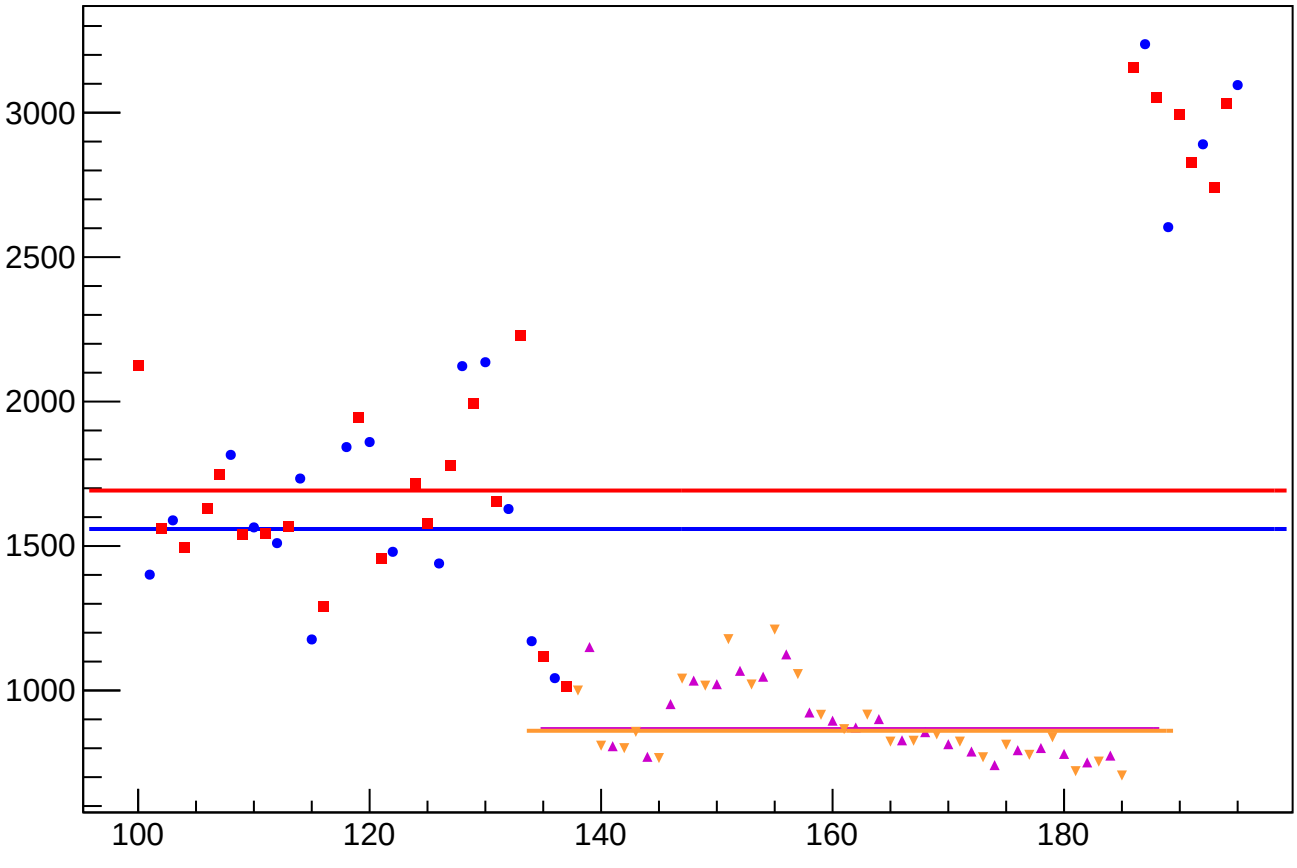
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 82.782+/-375.314 χ^2/NDF: 46.7/44

In: -79.297+/-190.586 χ^2/NDF:54.4/42

Out: -556.586+/-185.591 χ^2/NDF:89.4/49

All: -324.278+/-132.963 χ^2/NDF: 147.0/92



Right In: 1558.937+/-0.372 χ^2/NDF: 1881921.6/19

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1692.079+/-0.378 χ^2/NDF: 2026224.5/24

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

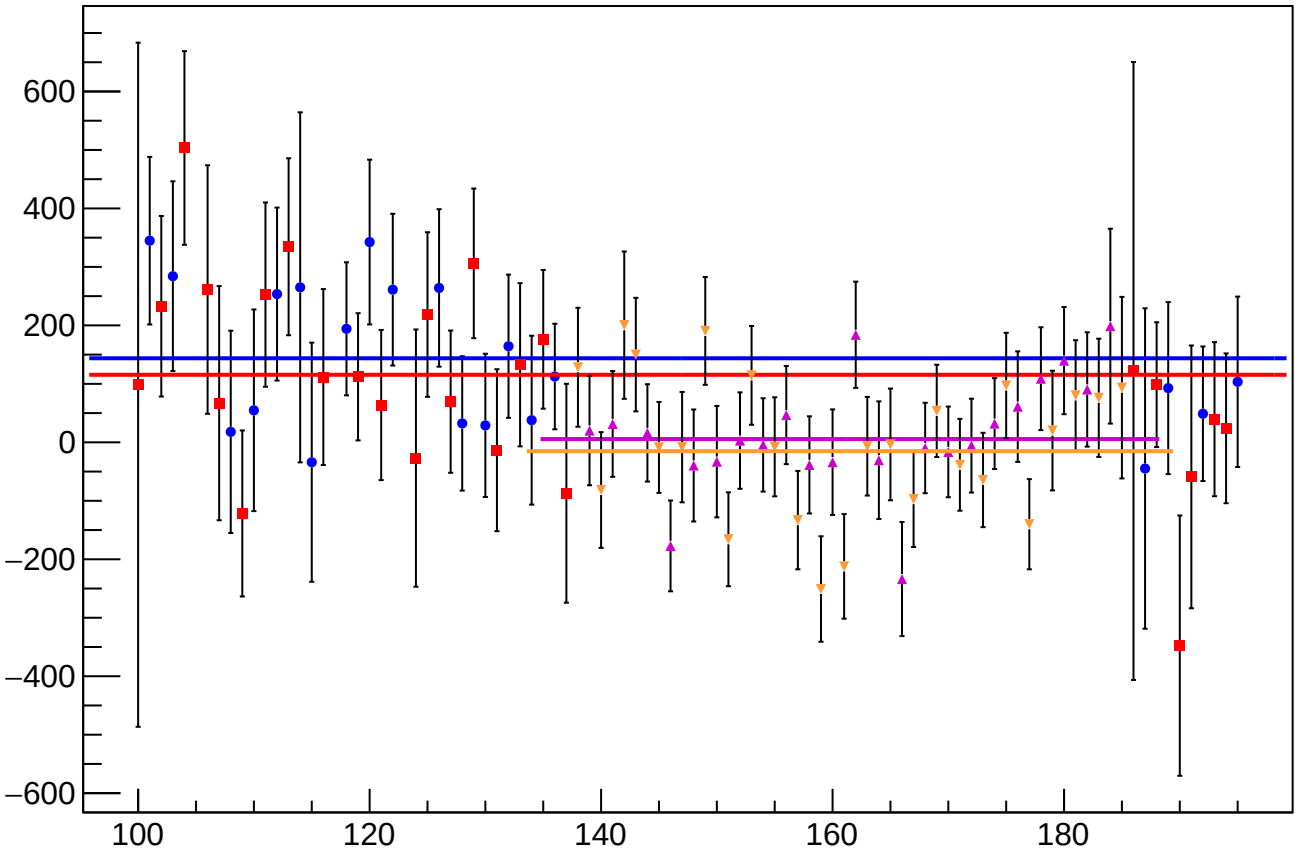
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1624.485+/-0.265 χ^2/NDF: 3971055.0/44

In: 957.020+/-0.135 χ^2/NDF:5500144.8/42

Out: 960.602+/-0.131 χ^2/NDF:6977488.4/49

All: 958.859+/-0.094 χ^2/NDF: 12477995.9/92



Right In: 143.755+/-31.030 χ^2/NDF: 12.6/19

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 115.509+/-30.095 χ^2/NDF: 23.8/24

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

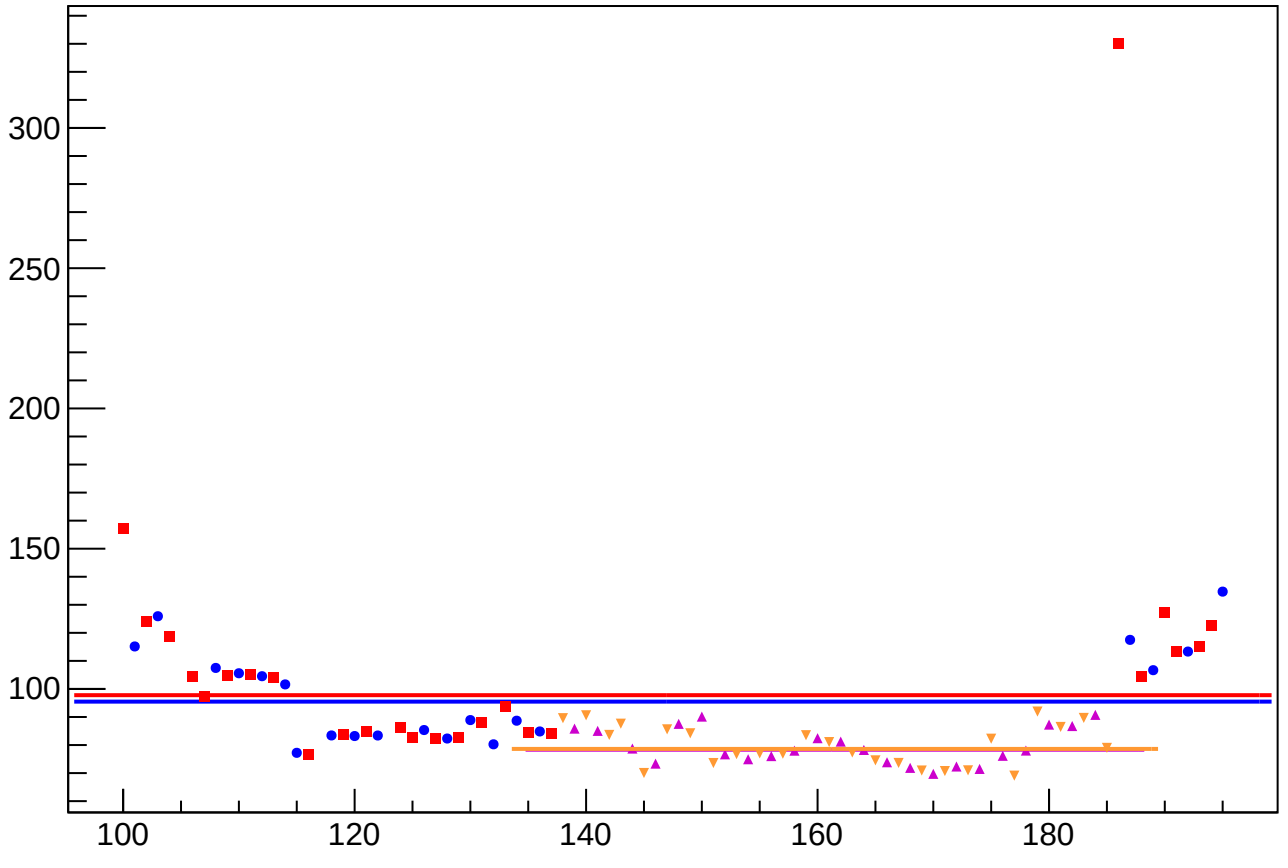
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 129.200+/-21.603 χ^2/NDF: 36.9/44

In: 41.507+/-15.815 χ^2/NDF:50.3/42

Out: 19.192+/-15.421 χ^2/NDF:79.4/49

All: 30.068+/-11.041 χ^2/NDF: 130.7/92



Right In: 95.479+/-0.022 χ^2/NDF: 527684.9/19

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 97.777+/-0.021 χ^2/NDF: 905296.4/24

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

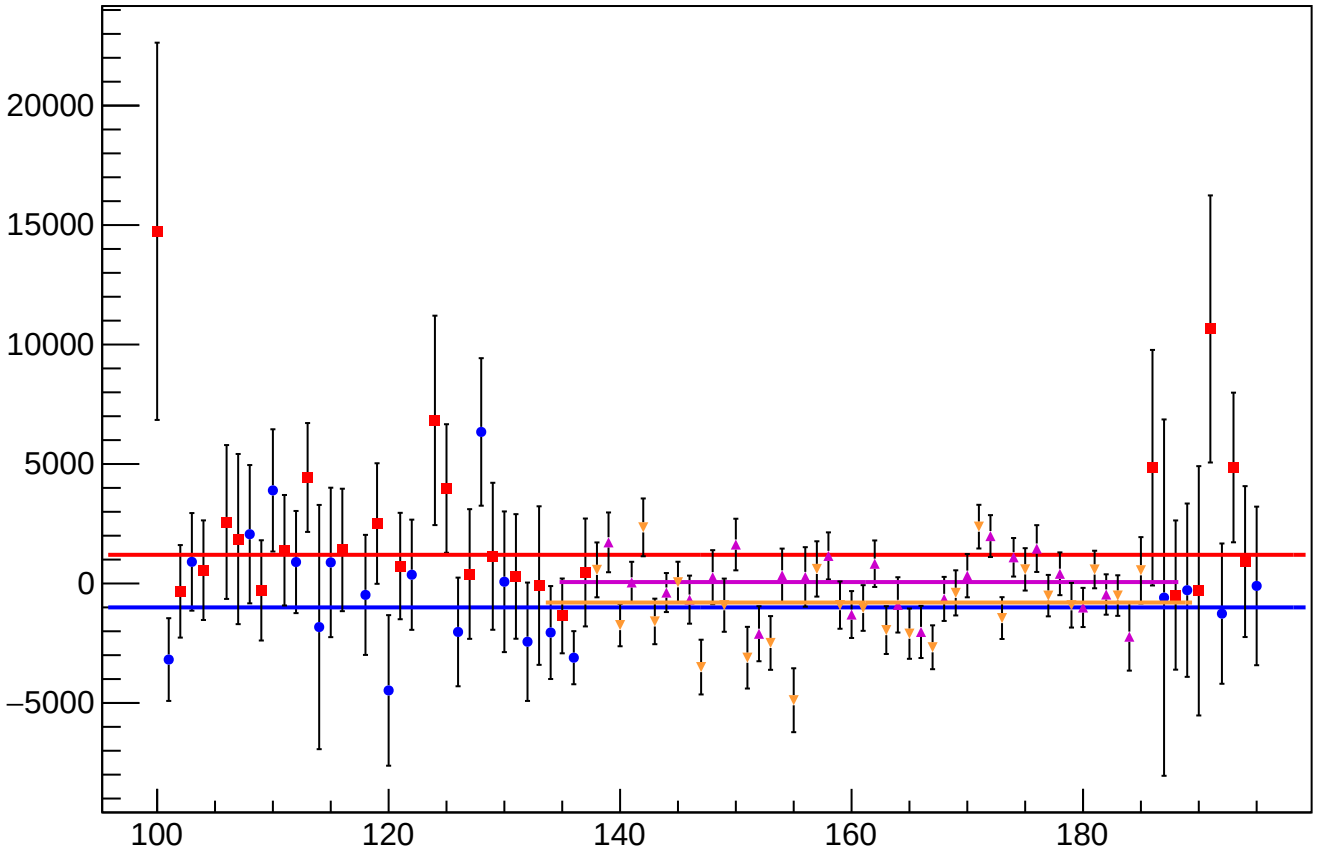
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 96.663+/-0.015 χ^2/NDF: 1438637.2/44

In: 82.788+/-0.011 χ^2/NDF:1188767.0/42

Out: 83.648+/-0.011 χ^2/NDF:1810276.1/49

All: 83.229+/-0.008 χ^2/NDF: 3002078.2/92



Right In: -1000.684+/-526.744 χ^2/NDF: 20.4/19

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1200.055+/-534.899 χ^2/NDF: 17.7/24

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

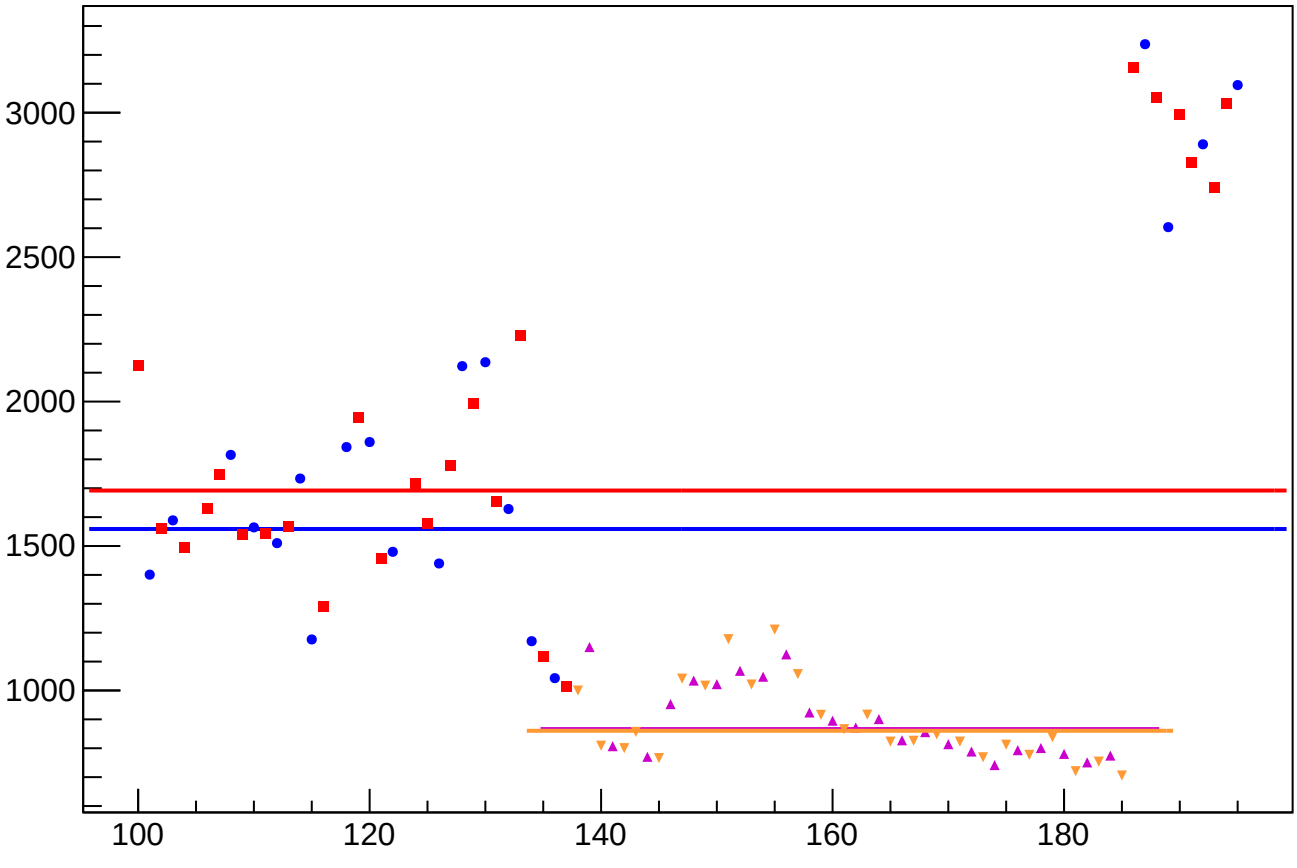
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 82.782+/-375.314 χ^2/NDF: 46.7/44

In: -79.297+/-190.586 χ^2/NDF:54.4/42

Out: -556.586+/-185.591 χ^2/NDF:89.4/49

All: -324.278+/-132.963 χ^2/NDF: 147.0/92



Right In: 1558.937+/-0.372 χ^2/NDF: 1881921.6/19

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1692.079+/-0.378 χ^2/NDF: 2026224.5/24

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

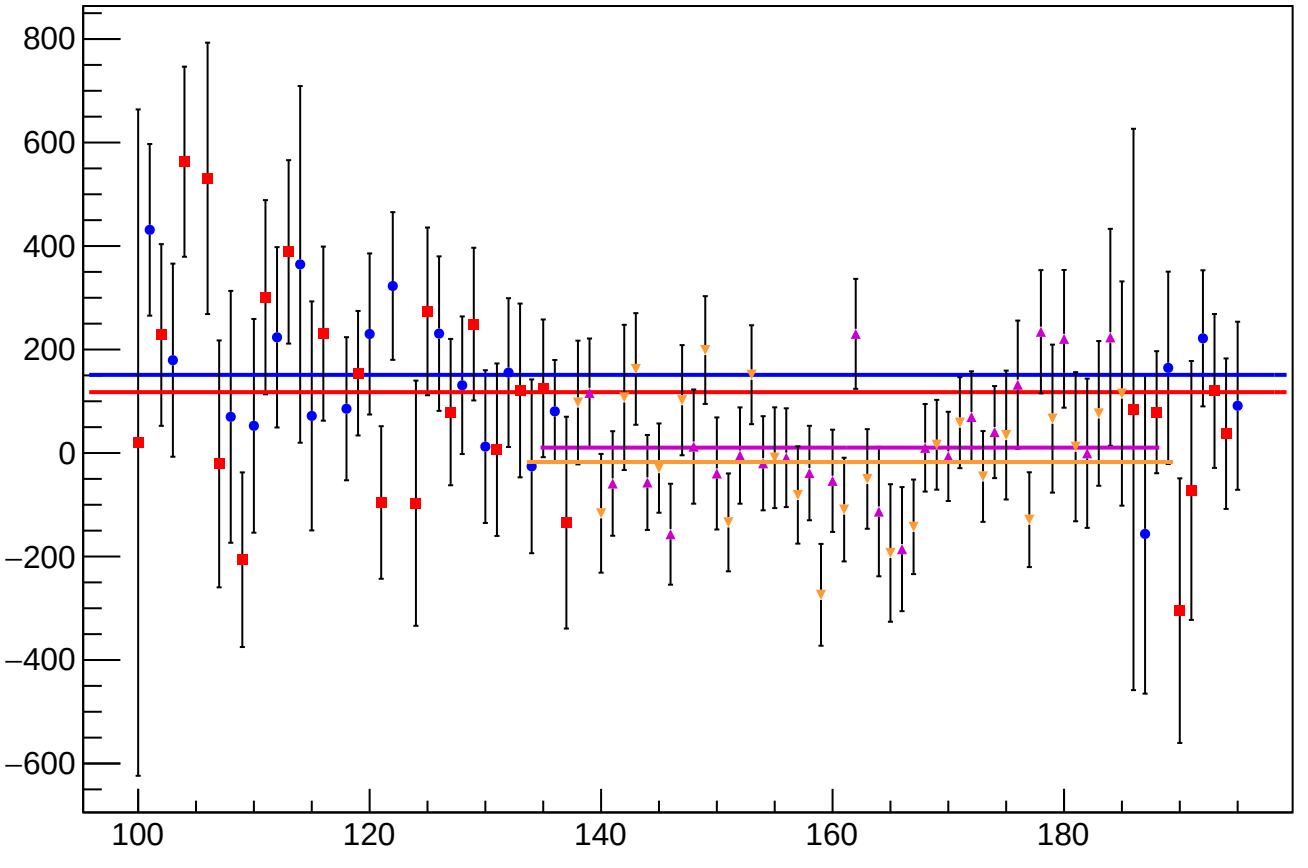
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1624.485+/-0.265 χ^2/NDF: 3971055.0/44

In: 957.020+/-0.135 χ^2/NDF:5500144.8/42

Out: 960.602+/-0.131 χ^2/NDF:6977488.4/49

All: 958.859+/-0.094 χ^2/NDF: 12477995.9/92



Right In: 151.047+/-35.855 χ^2/NDF: 10.1/19

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 117.611+/-34.397 χ^2/NDF: 27.0/24

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

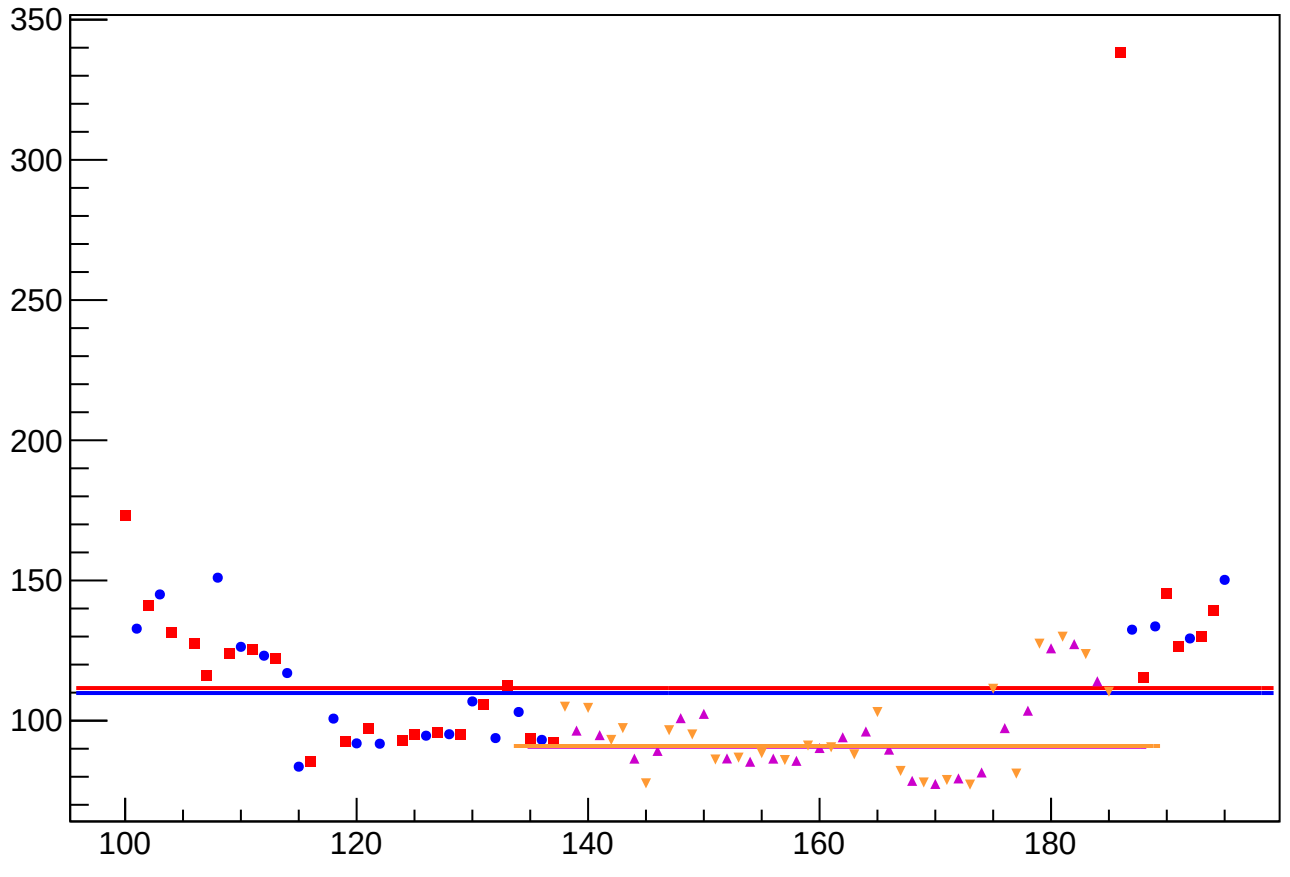
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 133.636+/-24.822 χ^2/NDF: 37.5/44

In: 47.614+/-18.441 χ^2/NDF:44.0/42

Out: 19.257+/-17.915 χ^2/NDF:69.5/49

All: 33.025+/-12.850 χ^2/NDF: 114.7/92



Right In: 109.858+/-0.025 χ^2/NDF: 628969.5/19

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 111.636+/-0.024 χ^2/NDF: 887387.4/24

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

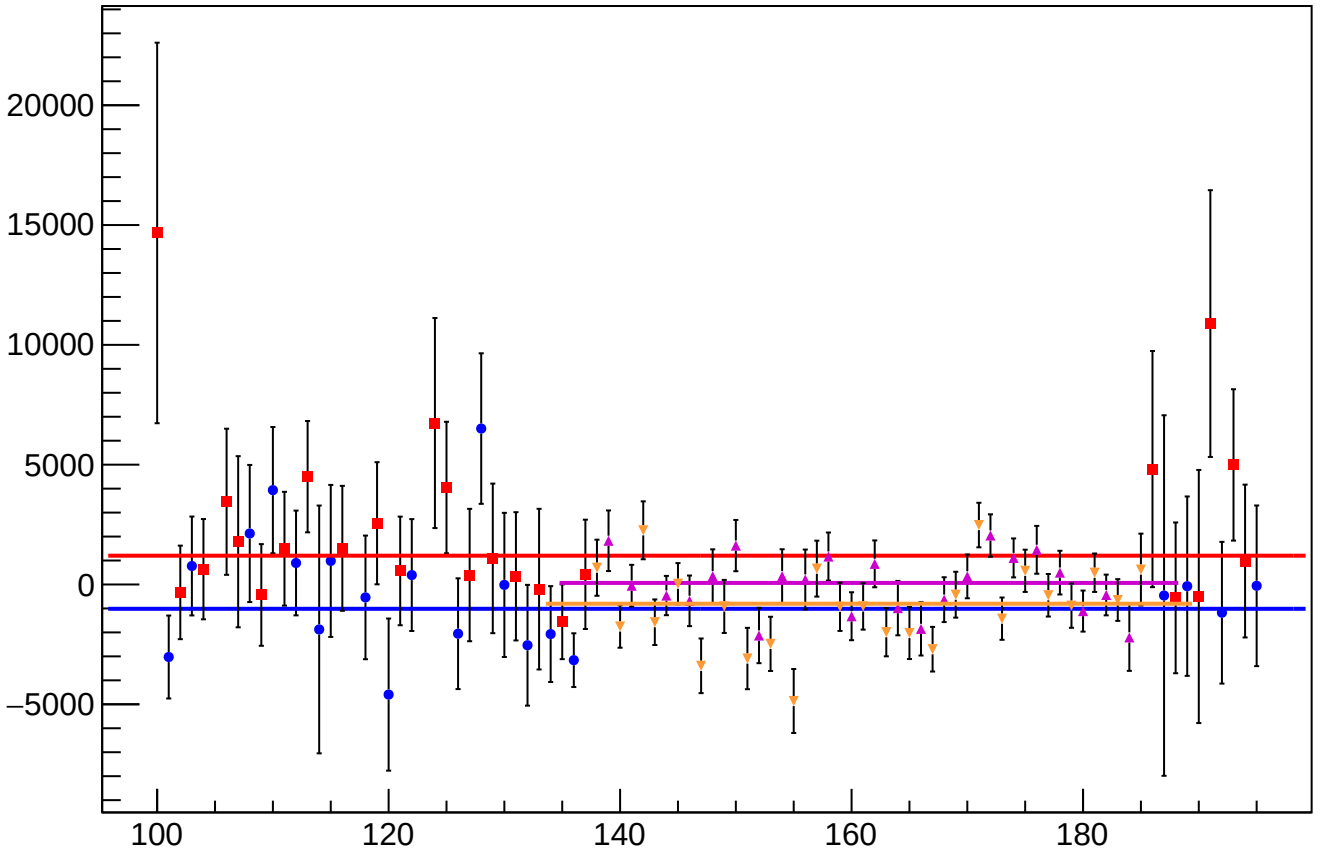
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 110.784+/-0.018 χ^2/NDF: 1518917.0/44

In: 95.761+/-0.013 χ^2/NDF:1595325.3/42

Out: 96.574+/-0.013 χ^2/NDF:2198151.7/49

All: 96.179+/-0.009 χ^2/NDF: 3795478.0/92



Right In: -1014.643+/-533.905 χ^2/NDF: 20.2/19

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1201.870+/-539.757 χ^2/NDF: 18.8/24

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

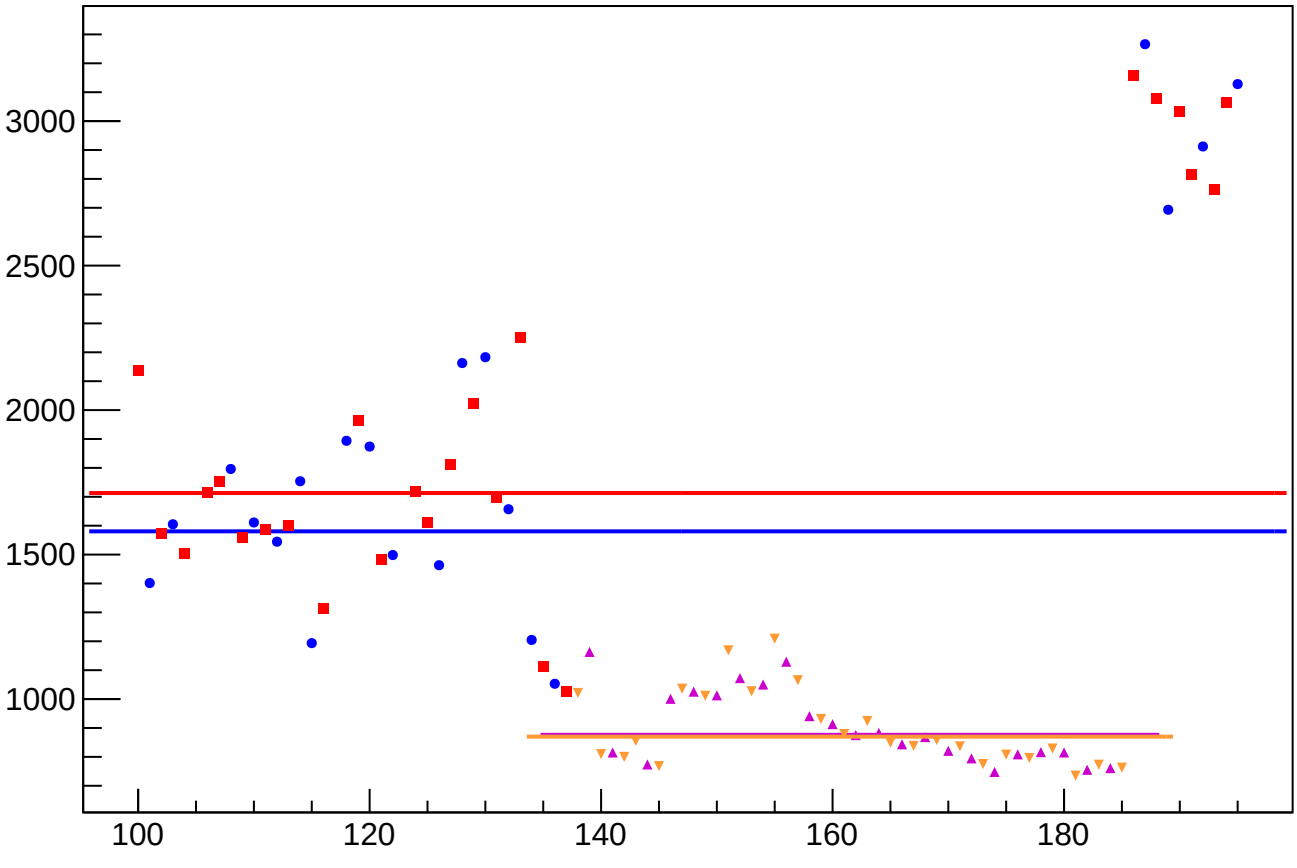
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: 81.532+/-379.580 χ^2/NDF: 47.6/44

In: -75.511+/-192.740 χ^2/NDF:54.5/42

Out: -560.872+/-187.417 χ^2/NDF:89.3/49

All: -324.987+/-134.366 χ^2/NDF: 147.0/92



Right In: 1580.429+/-0.378 χ^2/NDF: 1892844.1/19

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1712.985+/-0.382 χ^2/NDF: 2028872.9/24

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

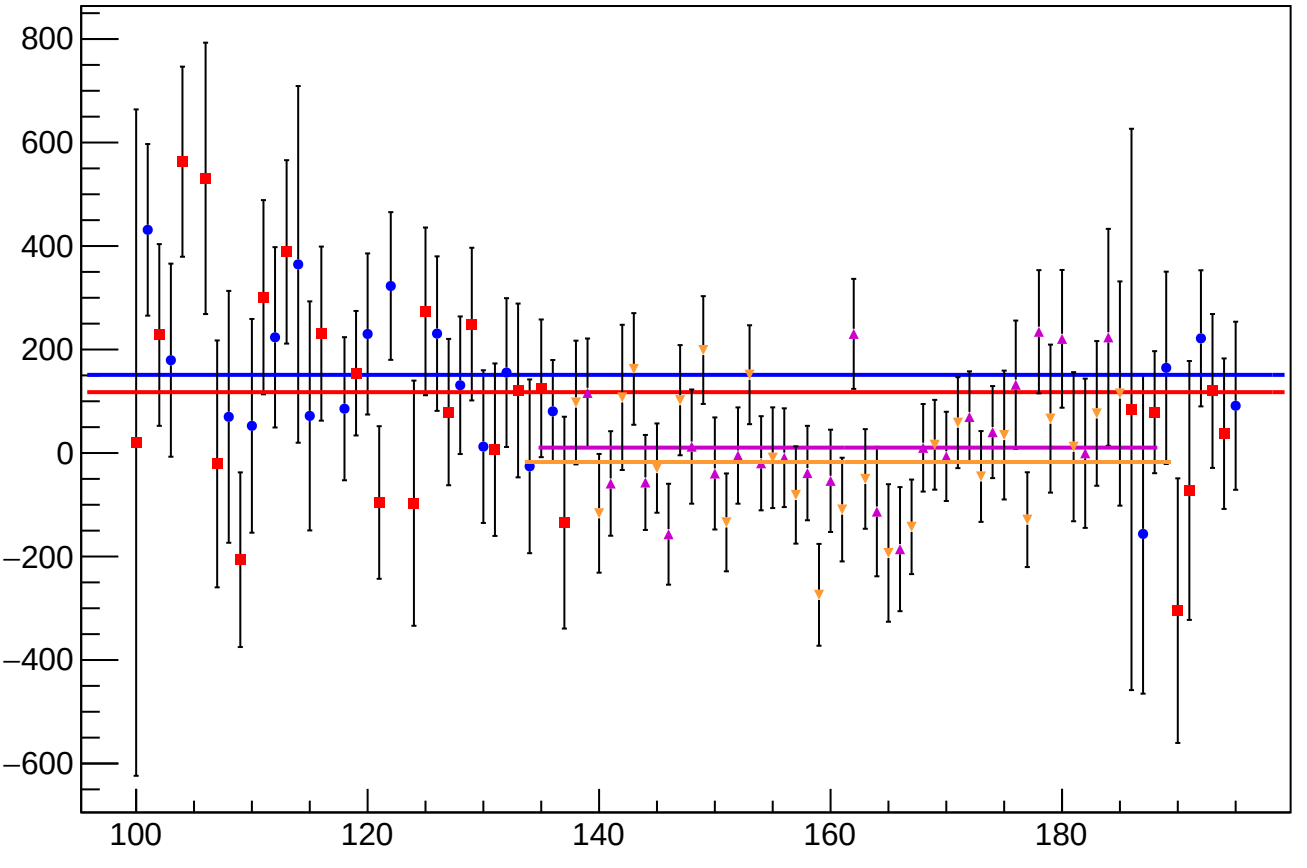
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1645.985+/-0.268 χ^2/NDF: 3982685.9/44

In: 968.040+/-0.136 χ^2/NDF:5515562.0/42

Out: 971.642+/-0.133 χ^2/NDF:6966257.7/49

All: 969.891+/-0.095 χ^2/NDF: 12482178.7/92



Right In: 151.049+/-35.855 χ^2/NDF: 10.1/19

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 117.611+/-34.397 χ^2/NDF: 27.0/24

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

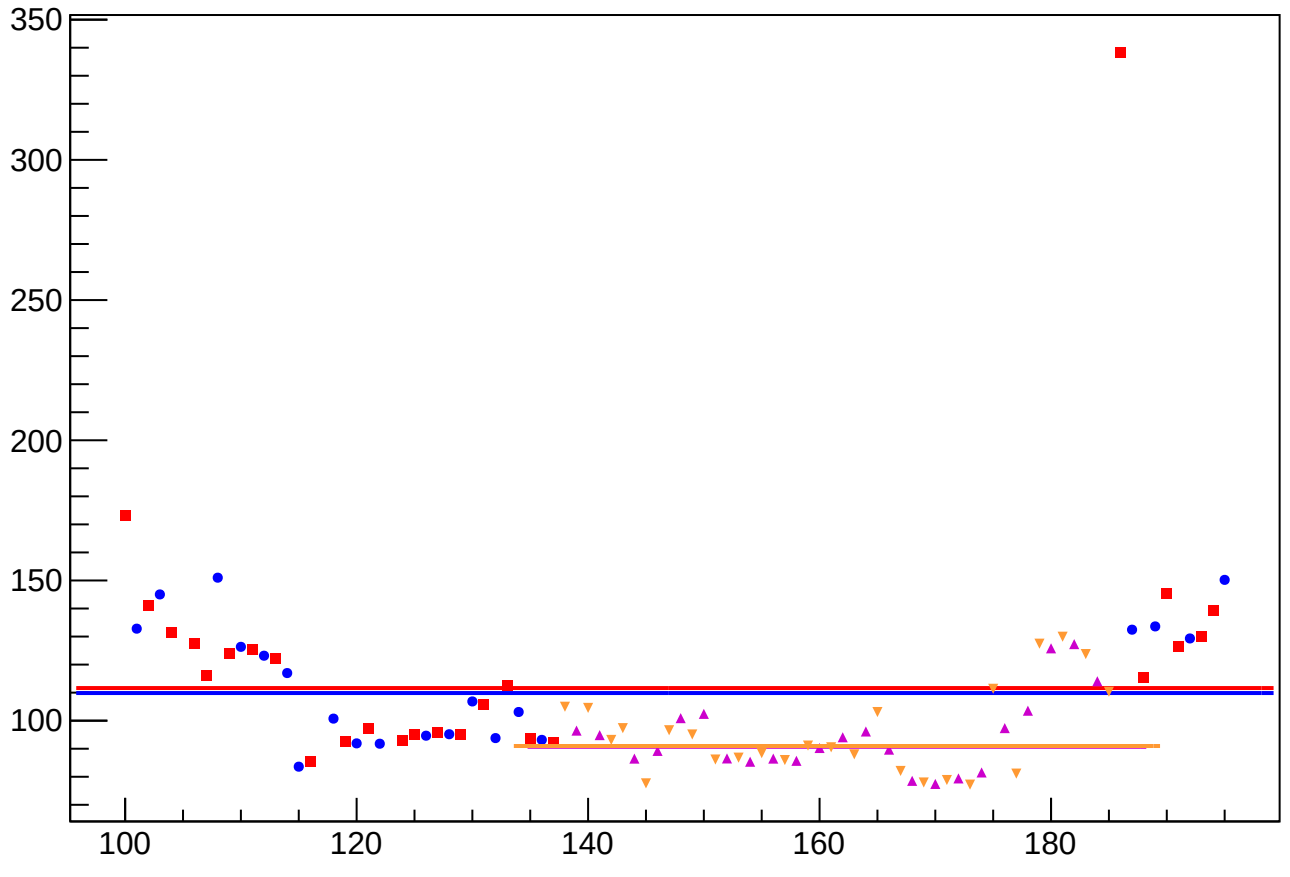
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 133.636+/-24.822 χ^2/NDF: 37.5/44

In: 47.614+/-18.441 χ^2/NDF:44.0/42

Out: 19.257+/-17.915 χ^2/NDF:69.5/49

All: 33.026+/-12.850 χ^2/NDF: 114.7/92



Right In: 109.857+/-0.025 χ^2/NDF: 628983.4/19

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 111.635+/-0.024 χ^2/NDF: 887395.6/24

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

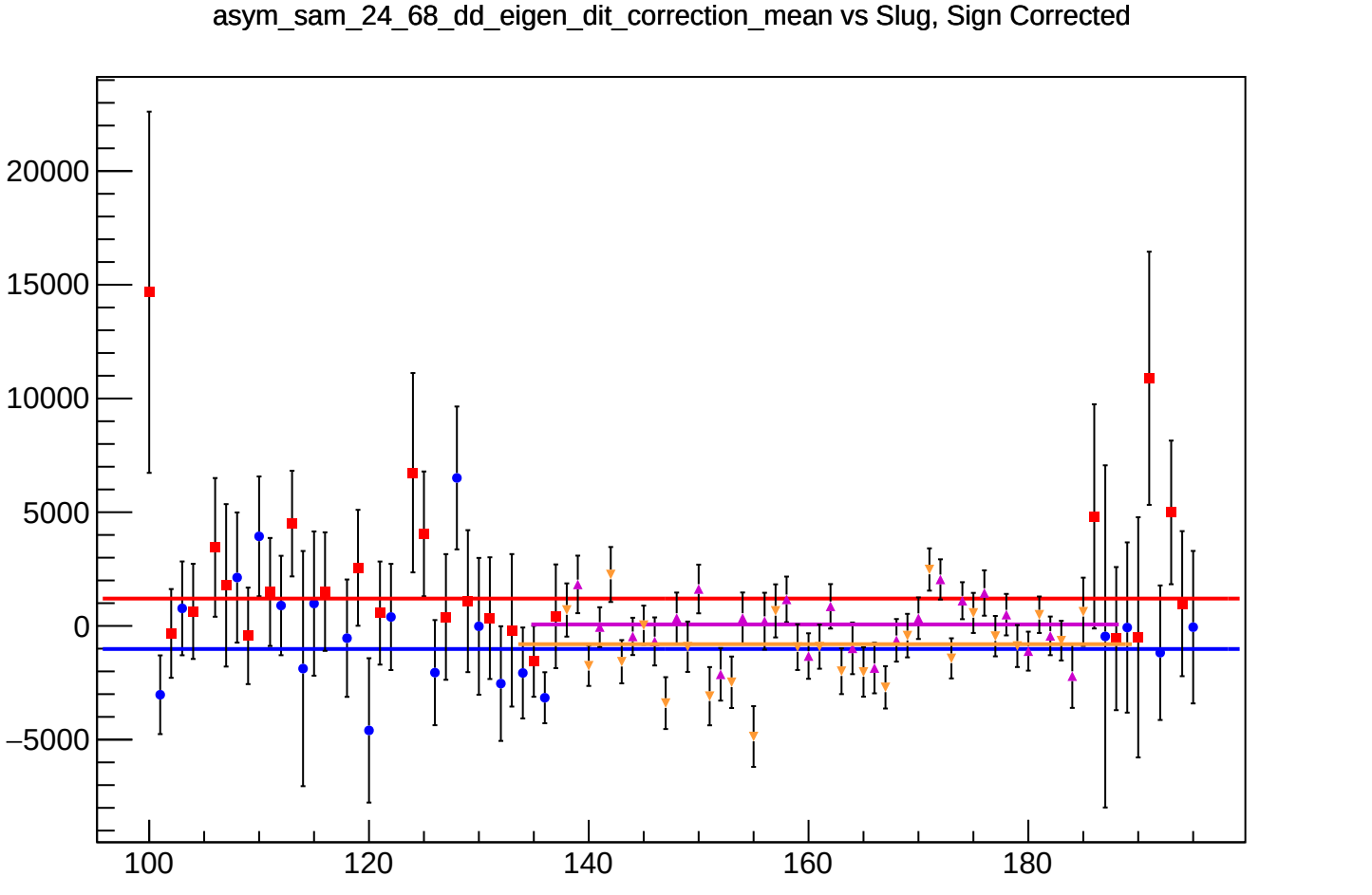
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

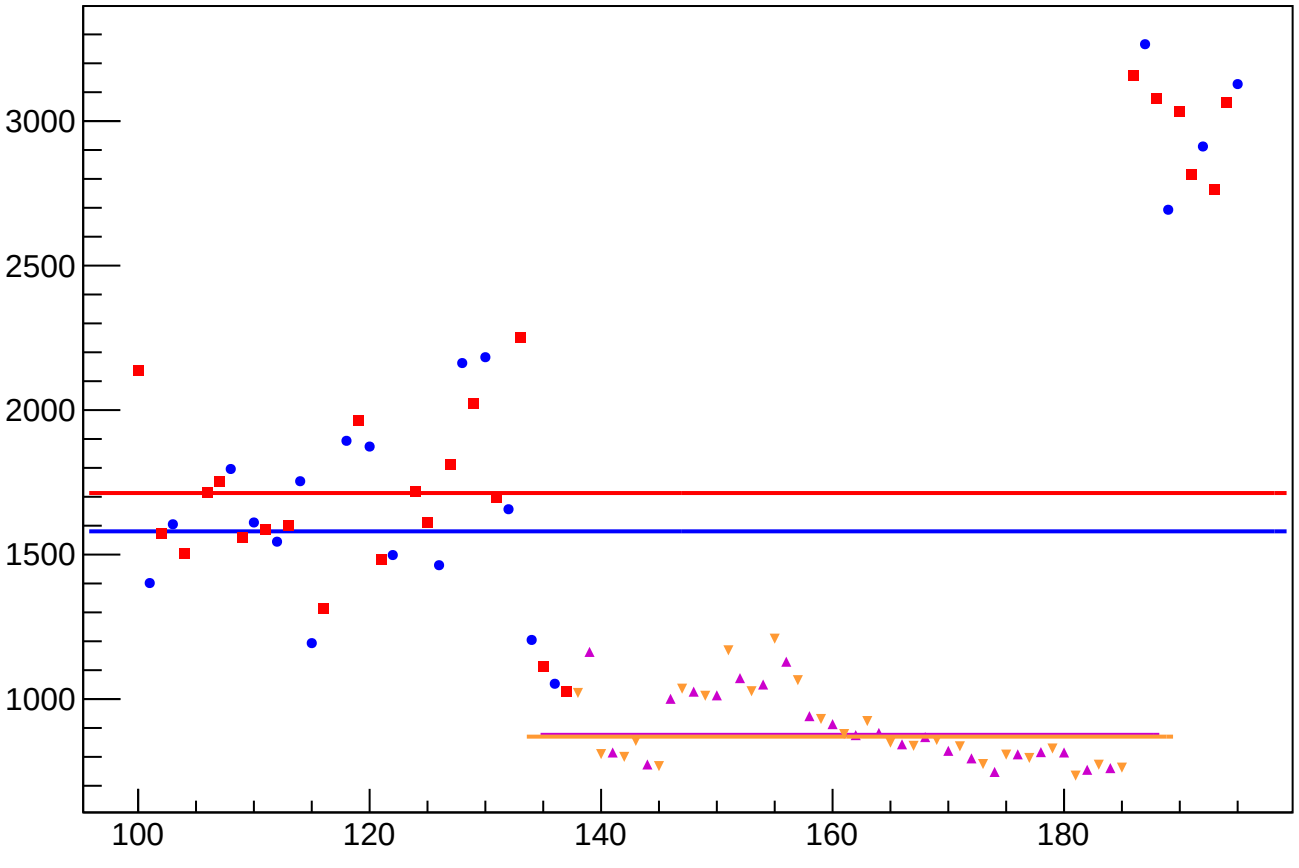
Right: 110.783+/-0.018 χ^2/NDF: 1518939.9/44

In: 95.760+/-0.013 χ^2/NDF:1595294.5/42

Out: 96.574+/-0.013 χ^2/NDF:2198131.3/49

All: 96.179+/-0.009 χ^2/NDF: 3795427.6/92


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -1014.640+/-533.904 χ²/NDF: 20.2/19
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1201.869+/-539.756 χ²/NDF: 18.8/24
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: 81.533+/-379.579 χ²/NDF: 47.6/44
In: -75.511+/-192.740 χ²/NDF:54.5/42
Out: -560.871+/-187.416 χ²/NDF:89.3/49
All: -324.986+/-134.366 χ²/NDF: 147.0/92



Right In: 1580.427+/-0.378 χ^2/NDF: 1892844.6/19

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1712.982+/-0.382 χ^2/NDF: 2028877.1/24

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

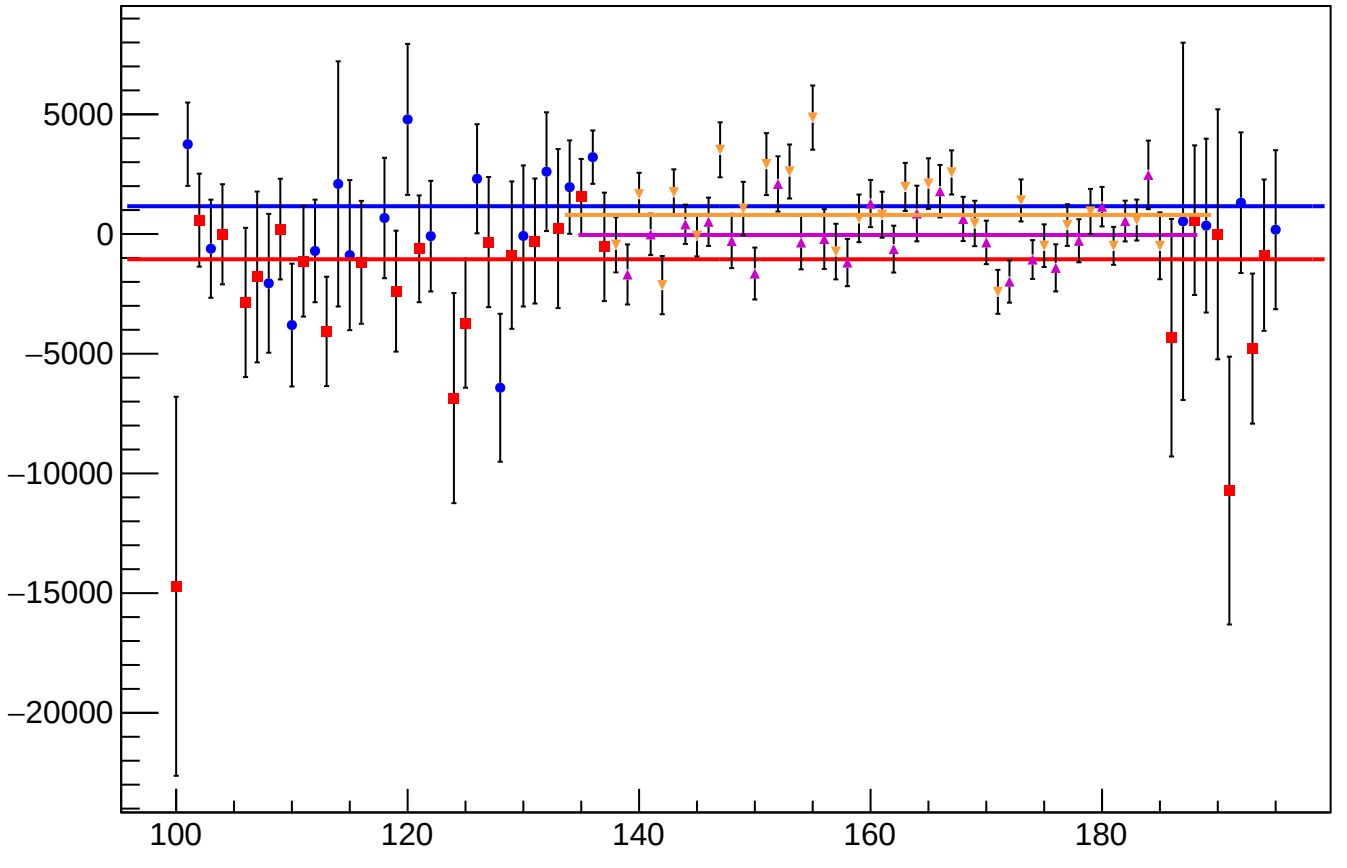
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1645.982+/-0.268 χ^2/NDF: 3982690.4/44

In: 968.039+/-0.136 χ^2/NDF:5515555.8/42

Out: 971.641+/-0.133 χ^2/NDF:6966252.3/49

All: 969.890+/-0.095 χ^2/NDF: 12482167.1/92



Right In: 1160.721+/-528.117 χ^2/NDF: 21.3/19

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1054.277+/-535.498 χ^2/NDF: 17.8/24

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

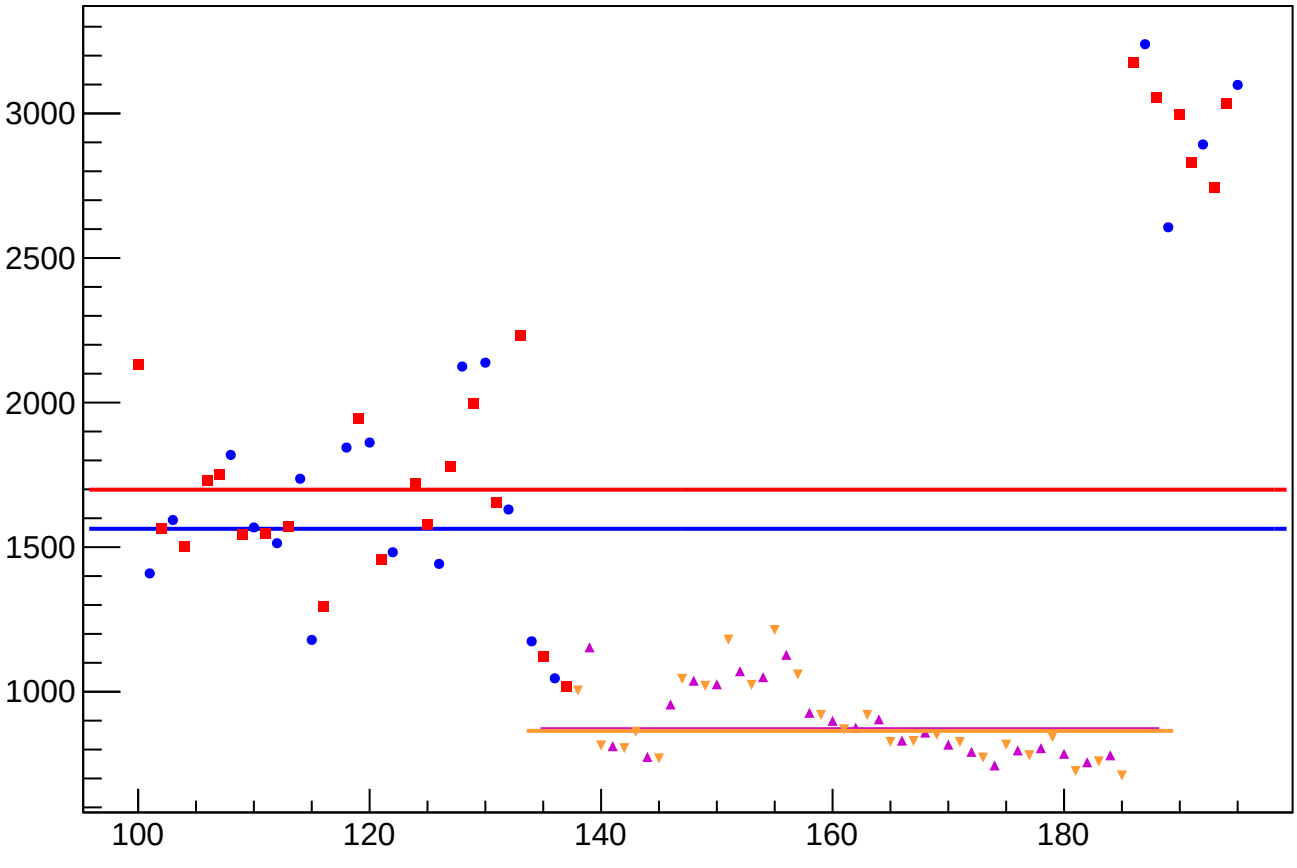
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 68.593+/-376.018 χ^2/NDF: 47.7/44

In: 117.917+/-191.390 χ^2/NDF:55.5/42

Out: 572.129+/-186.373 χ^2/NDF:85.4/49

All: 351.054+/-133.524 χ^2/NDF: 143.8/92



Right In: 1563.502+/-0.373 χ^2/NDF: 1871735.1/19

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1698.768+/-0.379 χ^2/NDF: 2019347.0/24

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

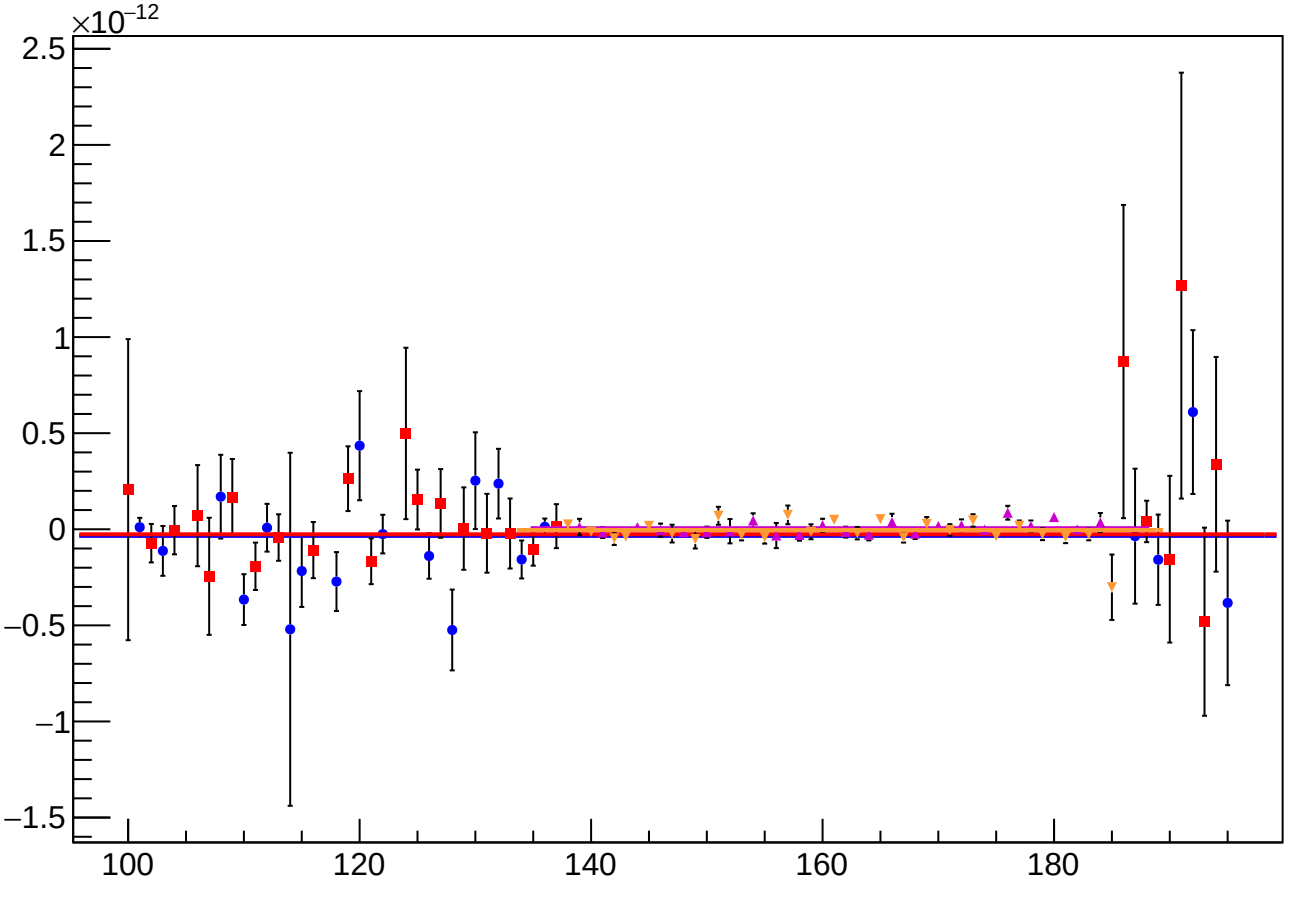
Right: 1630.196+/-0.266 χ^2/NDF: 3955773.8/44

In: 961.381+/-0.135 χ^2/NDF:5469098.7/42

Out: 965.675+/-0.132 χ^2/NDF:6973183.6/49

All: 963.585+/-0.094 χ^2/NDF: 12442798.9/92

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/24

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

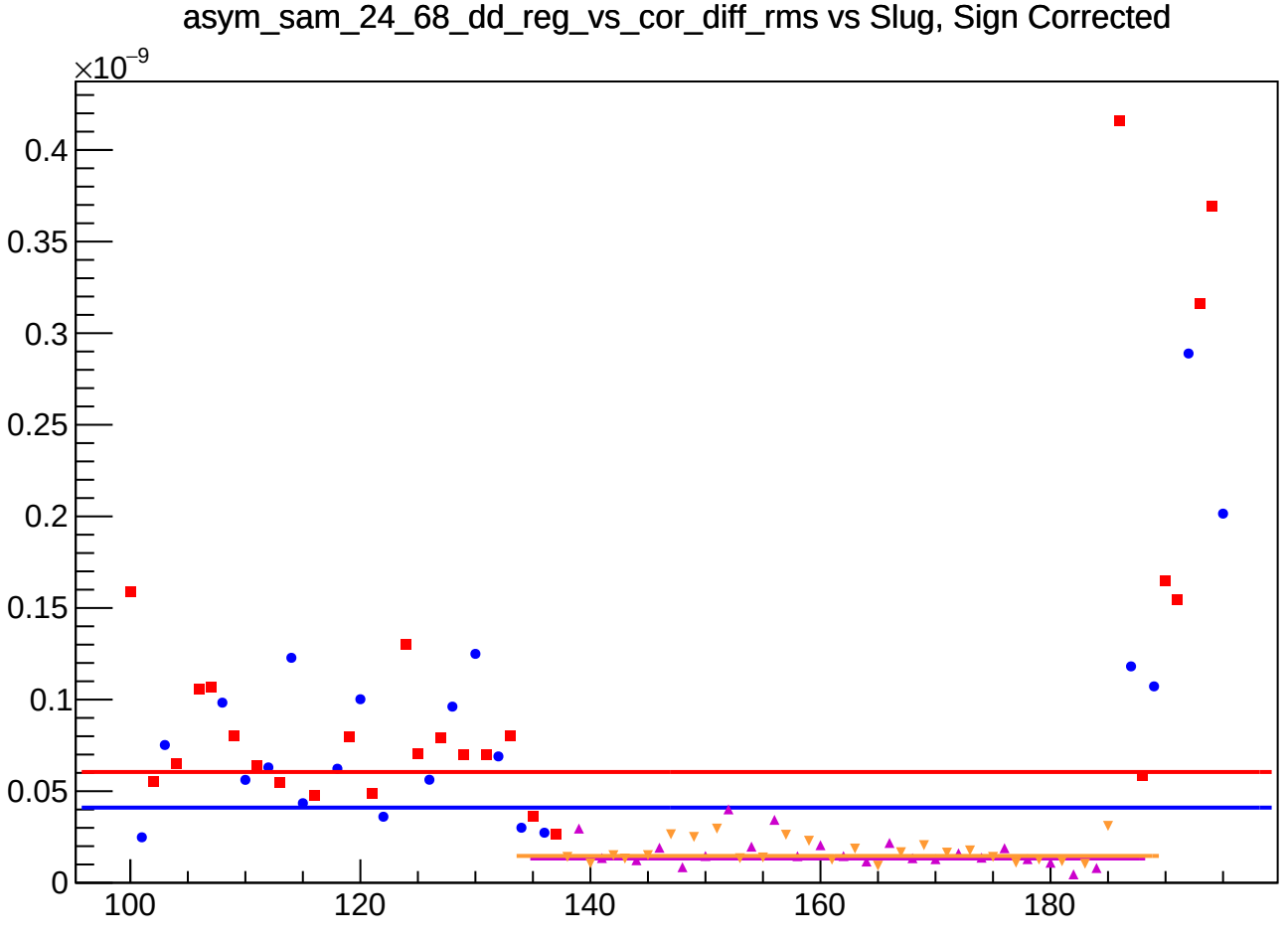
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 48.1/44

In: 0.000+/-0.000 χ^2/NDF:53.7/42

Out: -0.000+/-0.000 χ^2/NDF:56.6/49

All: -0.000+/-0.000 χ^2/NDF: 111.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 2615468.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2352299.7/24

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

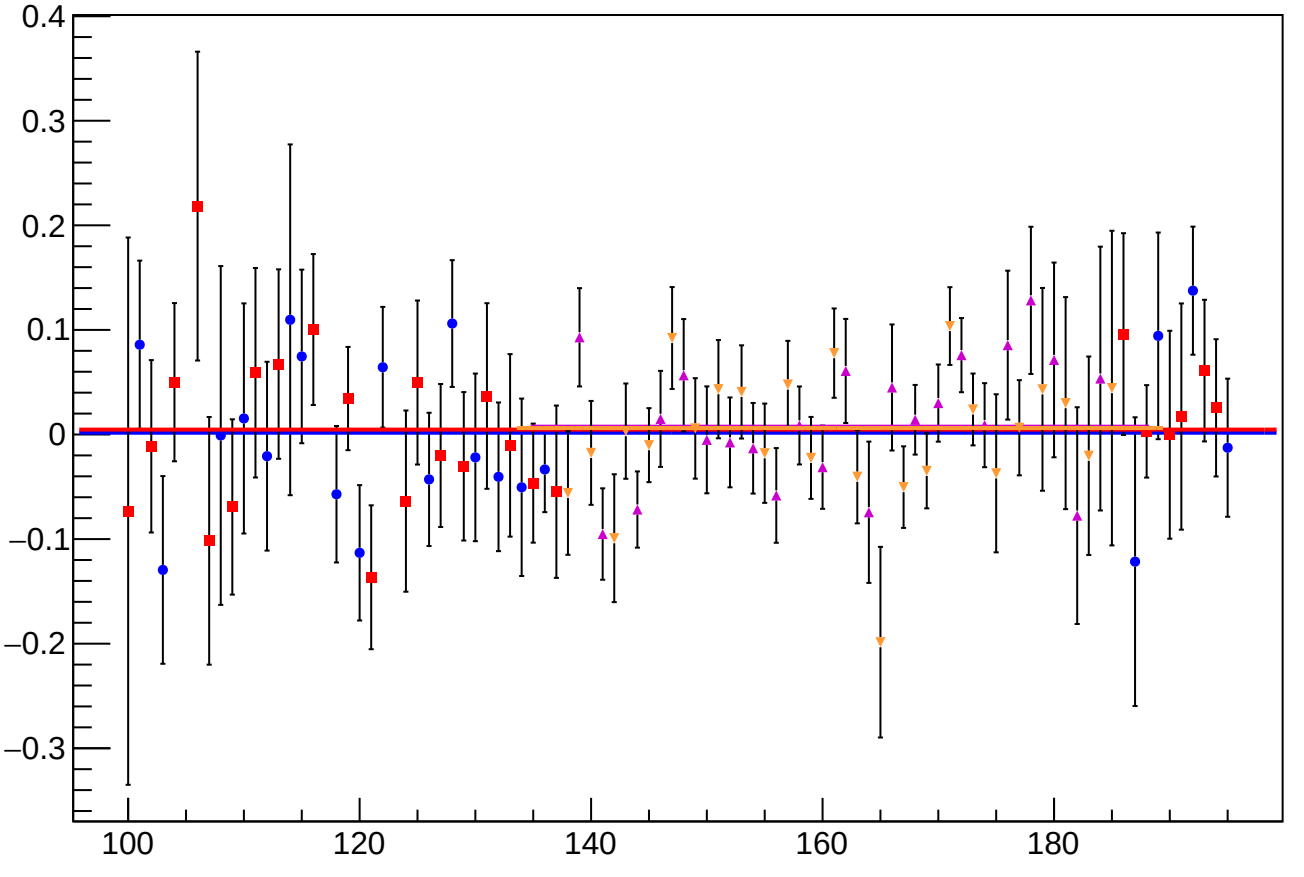
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5429380.1/44

In: 0.000+/-0.000 χ^2/NDF:6963711.4/42

Out: 0.000+/-0.000 χ^2/NDF:7388285.1/49

All: 0.000+/-0.000 χ^2/NDF: 14410058.8/92



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

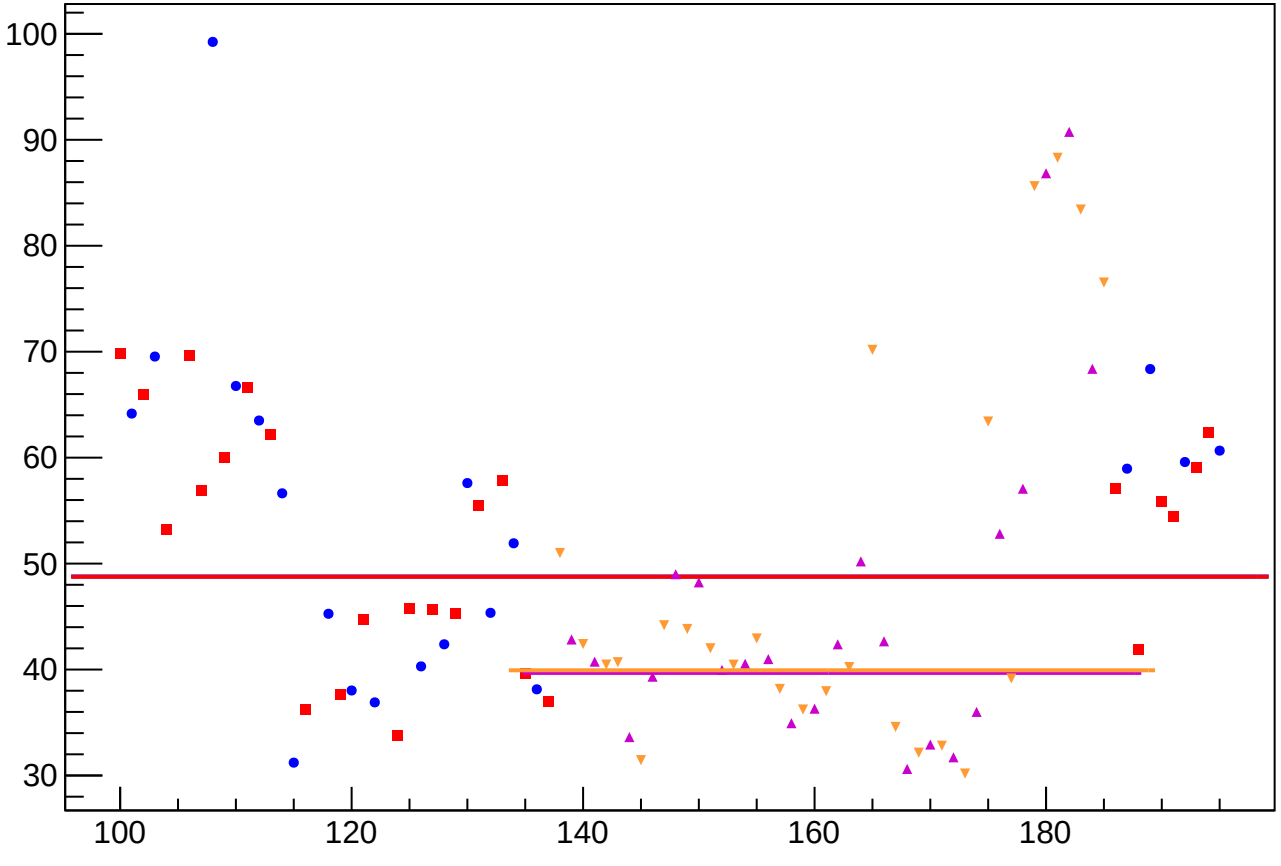
Right: 0.003+/-0.011 χ^2/NDF: 37.1/44

In: 0.006+/-0.008 χ^2/NDF:51.8/42

Out: 0.006+/-0.008 χ^2/NDF:46.6/49

All: 0.006+/-0.006 χ^2/NDF: 98.4/92

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.780+/-0.012 χ^2/NDF: 1162812.0/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 48.760+/-0.011 χ^2/NDF: 875713.7/24

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

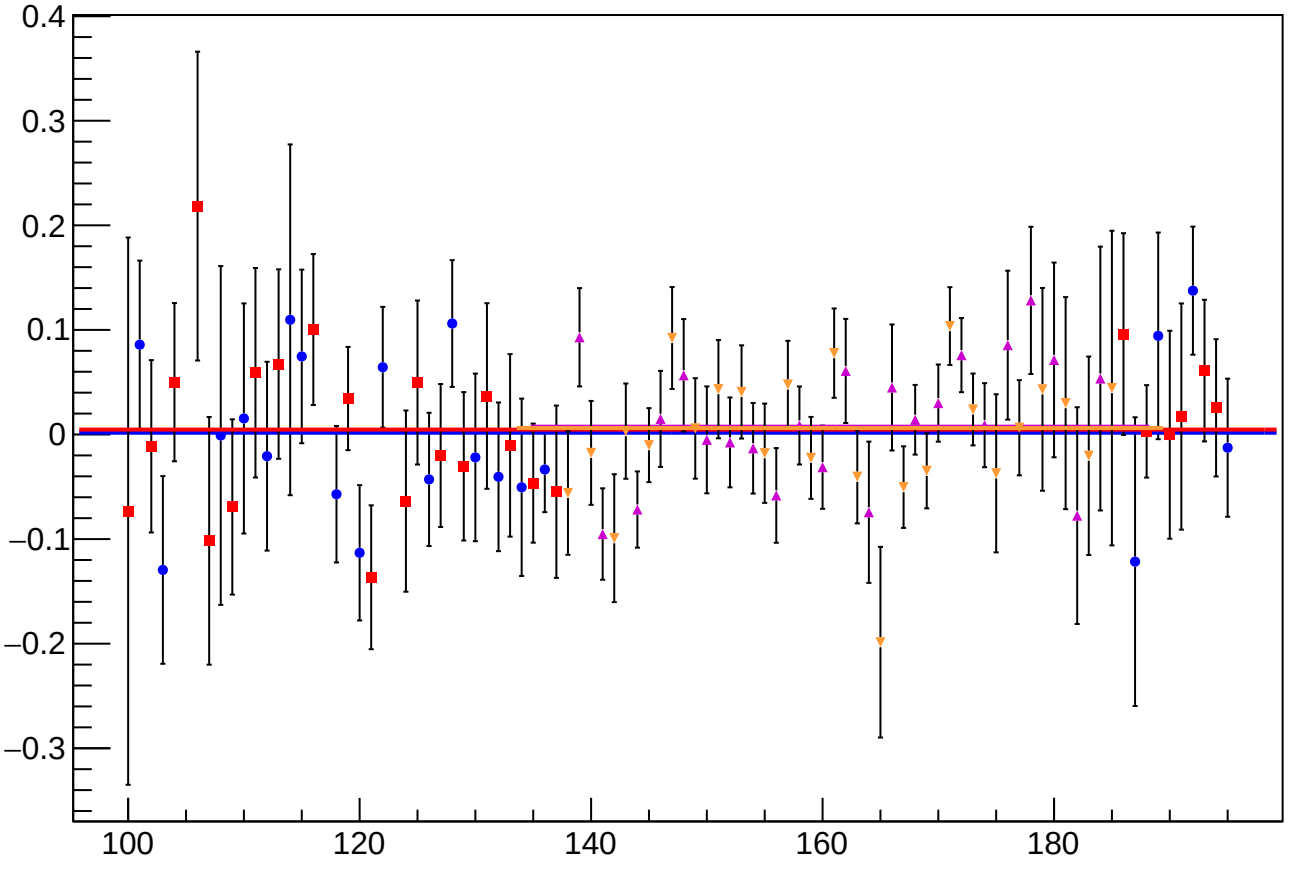
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 48.769+/-0.008 χ^2/NDF: 2038527.2/44

In: 42.080+/-0.006 χ^2/NDF:3534408.1/42

Out: 42.430+/-0.006 χ^2/NDF:3833090.5/49

All: 42.261+/-0.004 χ^2/NDF: 7369303.6/92



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

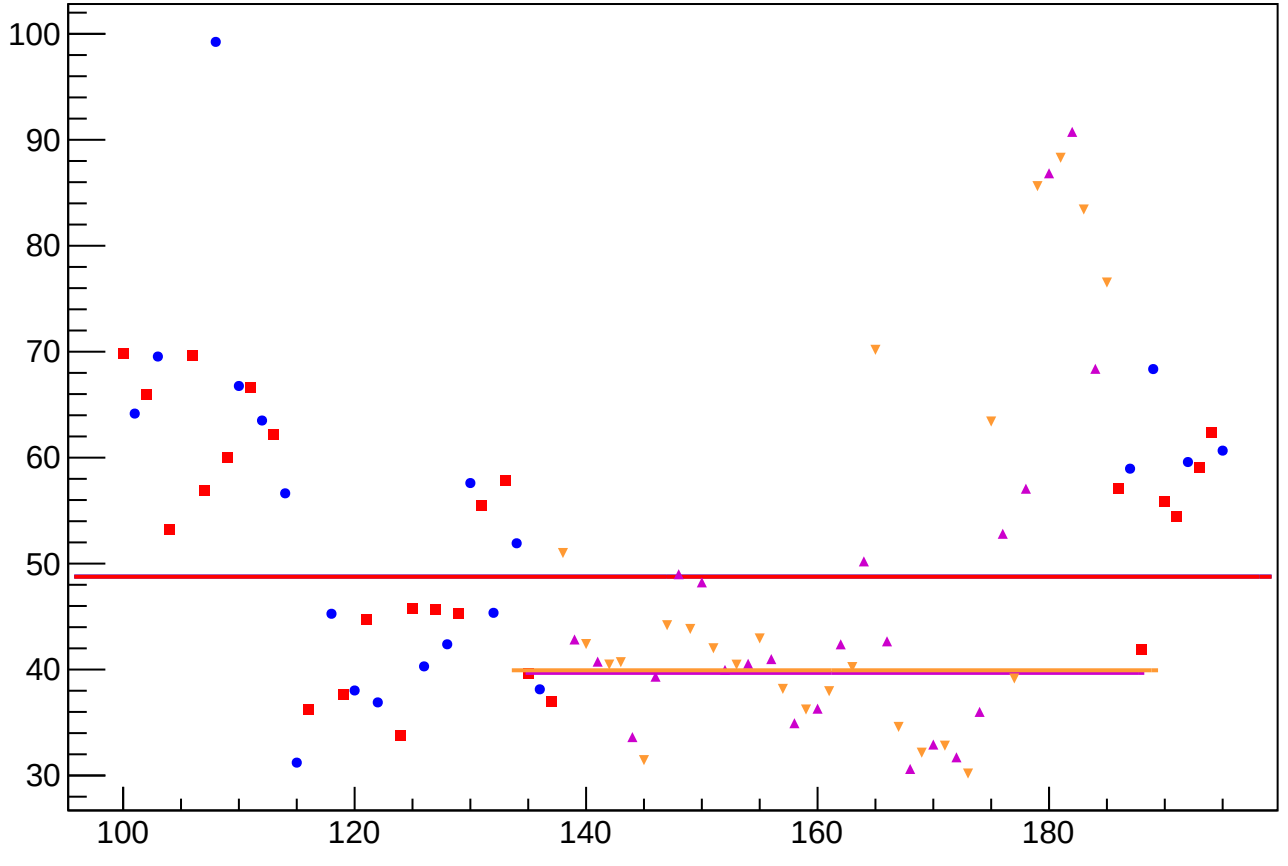
Right: 0.003+/-0.011 χ^2/NDF: 37.1/44

In: 0.006+/-0.008 χ^2/NDF:51.8/42

Out: 0.006+/-0.008 χ^2/NDF:46.6/49

All: 0.006+/-0.006 χ^2/NDF: 98.4/92

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.780+/-0.012 χ^2/NDF: 1162812.0/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 48.760+/-0.011 χ^2/NDF: 875713.7/24

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

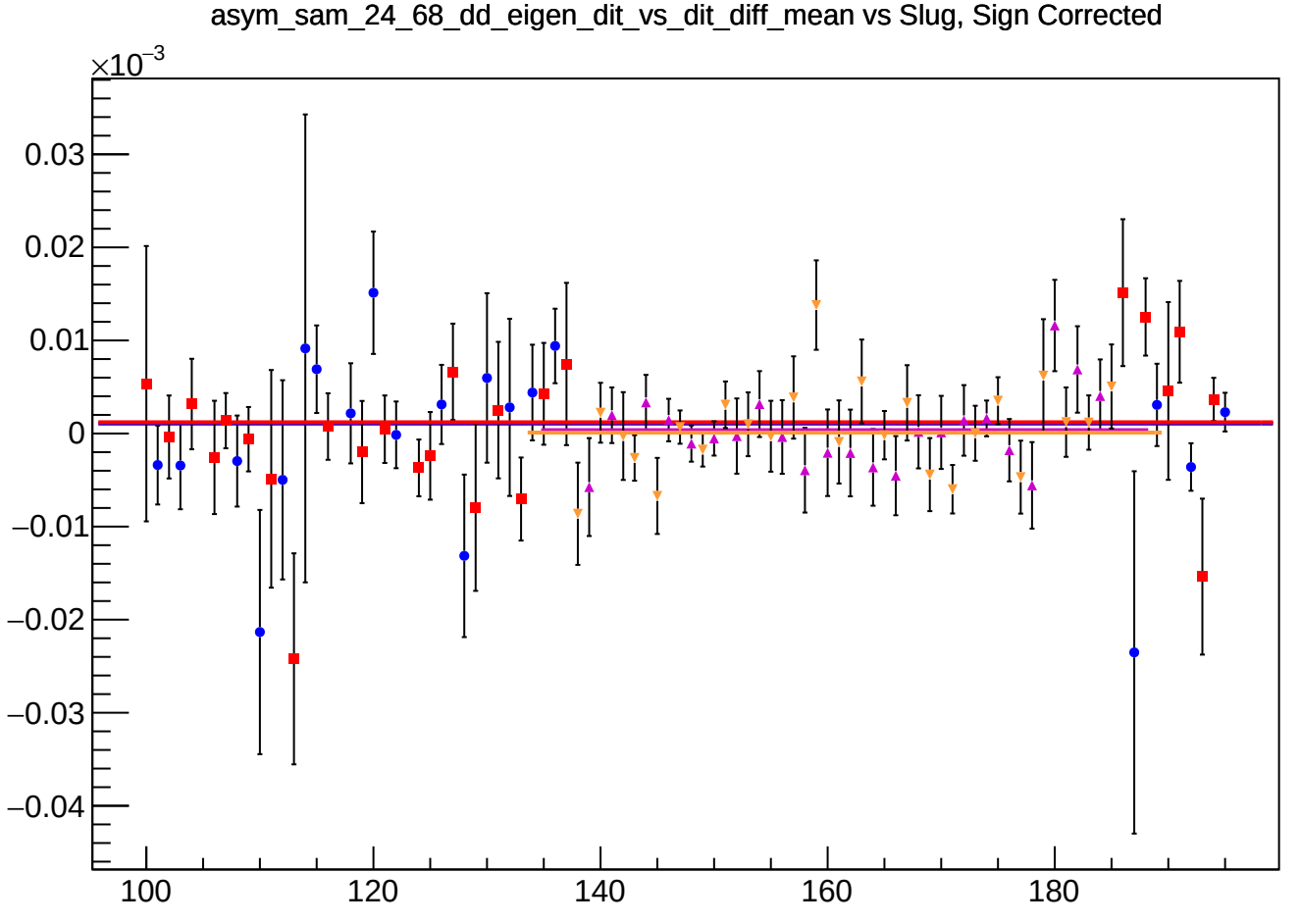
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 48.769+/-0.008 χ^2/NDF: 2038527.2/44

In: 42.080+/-0.006 χ^2/NDF:3534408.1/42

Out: 42.430+/-0.006 χ^2/NDF:3833090.5/49

All: 42.261+/-0.004 χ^2/NDF: 7369303.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/24

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

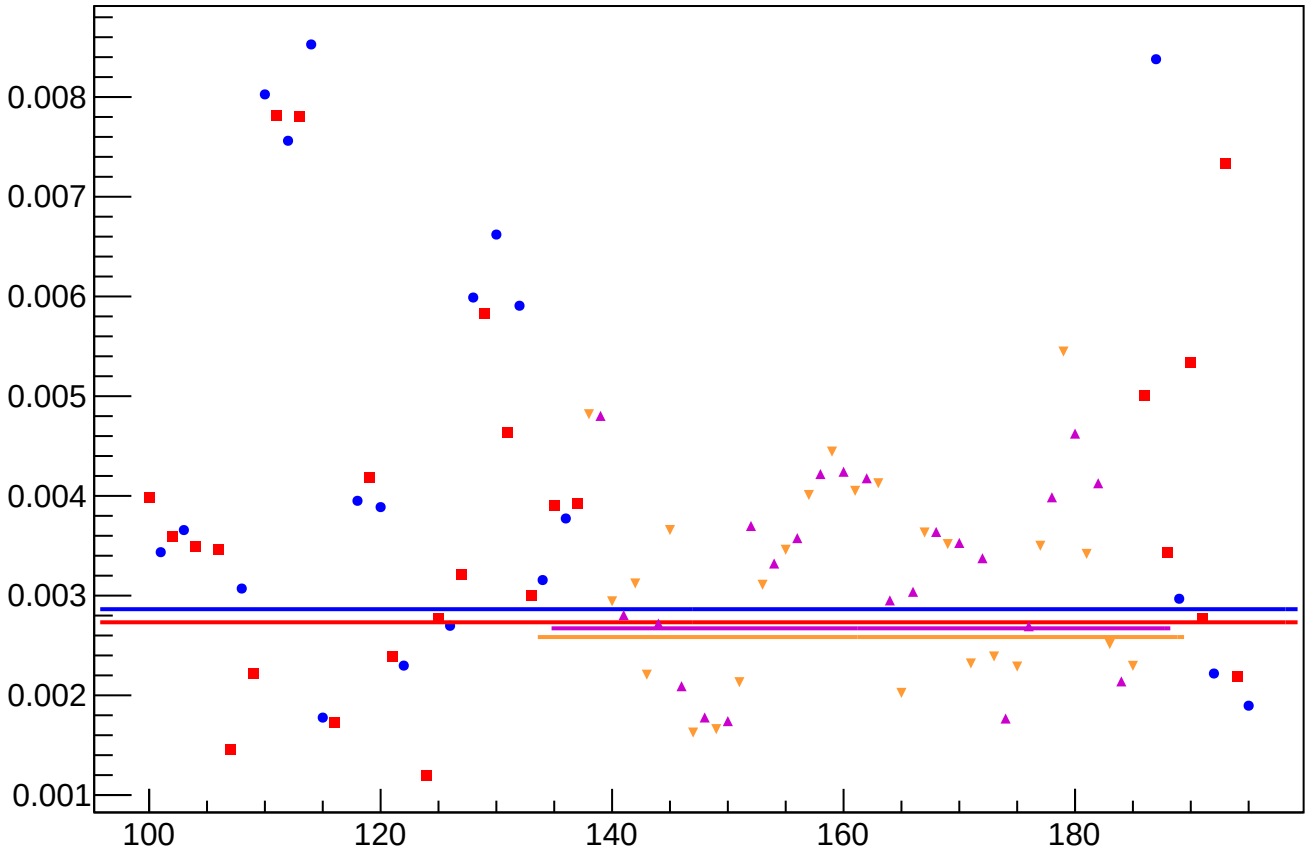
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 60.9/44

In: 0.000+/-0.000 χ^2/NDF:44.8/42

Out: 0.000+/-0.000 χ^2/NDF:69.4/49

All: 0.000+/-0.000 χ^2/NDF: 114.2/92



Right In: 0.003+/-0.000 χ^2/NDF: 2816726.7/19

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3794534.8/24

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

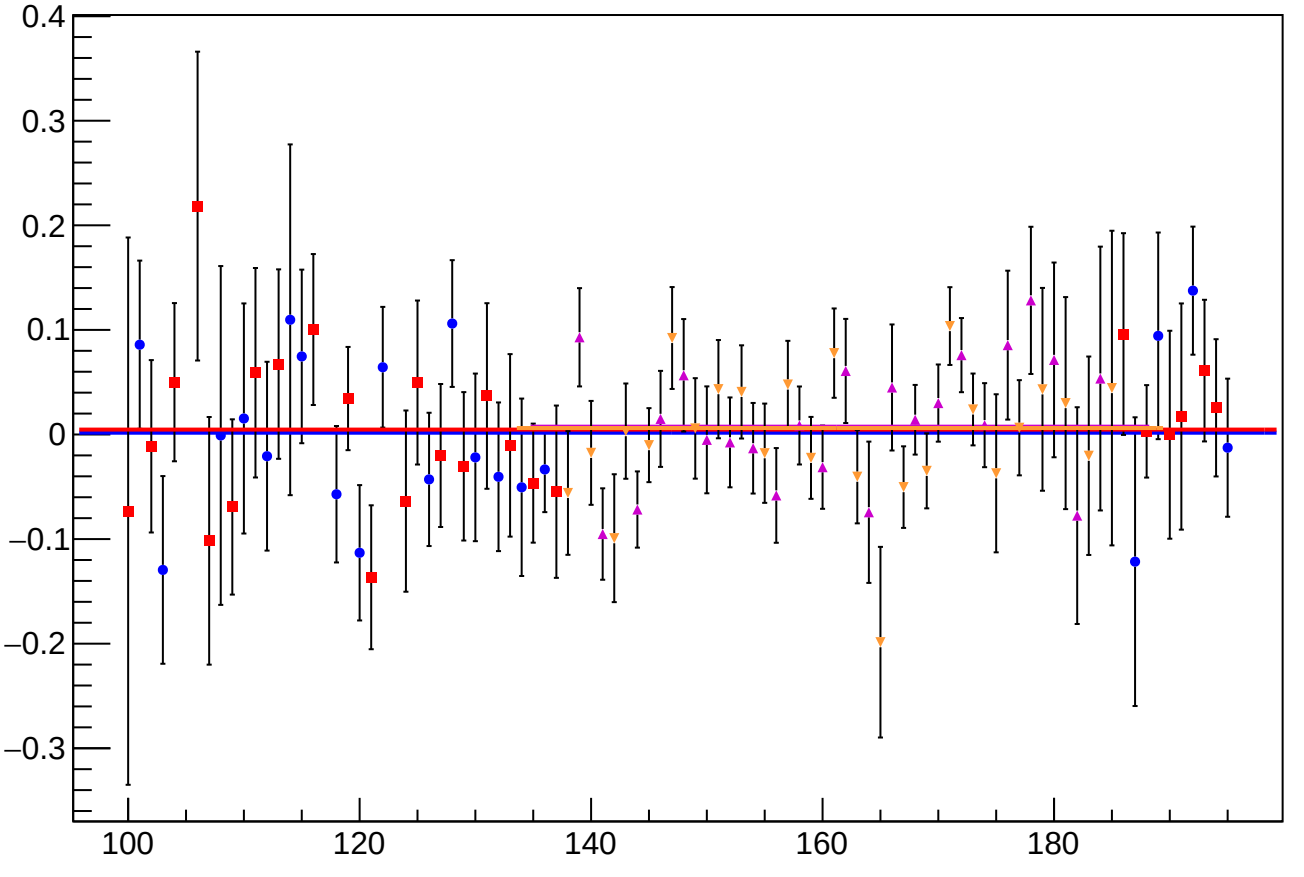
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.003+/-0.000 χ^2/NDF: 6629511.4/44

In: 0.003+/-0.000 χ^2/NDF:6692157.2/42

Out: 0.003+/-0.000 χ^2/NDF:7722210.0/49

All: 0.003+/-0.000 χ^2/NDF: 14448290.6/92



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

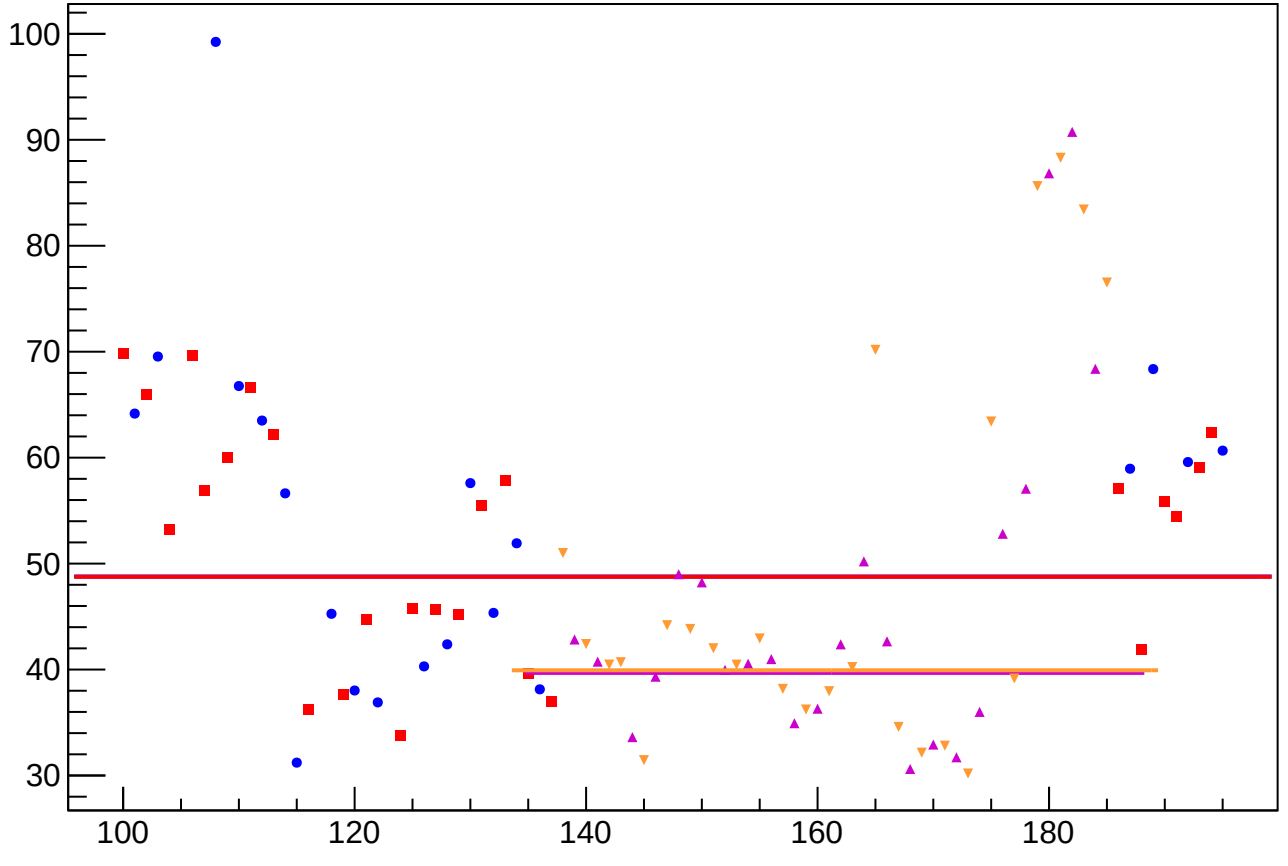
Right: 0.003+/-0.011 χ^2/NDF: 37.1/44

In: 0.006+/-0.008 χ^2/NDF:51.8/42

Out: 0.006+/-0.008 χ^2/NDF:46.6/49

All: 0.006+/-0.006 χ^2/NDF: 98.4/92

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.778+/-0.012 χ^2/NDF: 1162828.3/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 48.759+/-0.011 χ^2/NDF: 875696.0/24

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

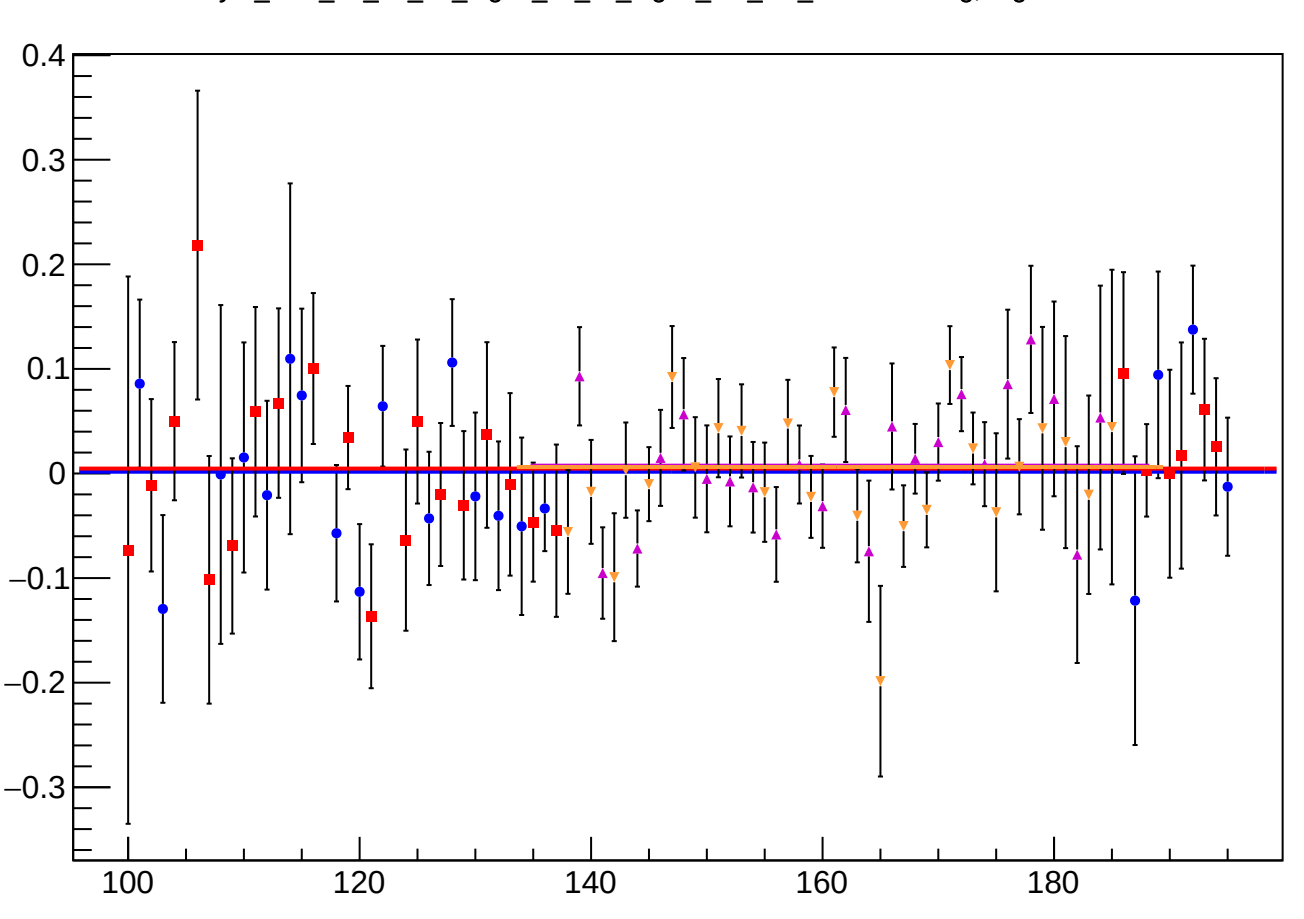
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 48.768+/-0.008 χ^2/NDF: 2038525.8/44

In: 42.079+/-0.006 χ^2/NDF:3534344.3/42

Out: 42.430+/-0.006 χ^2/NDF:3833026.0/49

All: 42.261+/-0.004 χ^2/NDF: 7369178.9/92



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/19

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

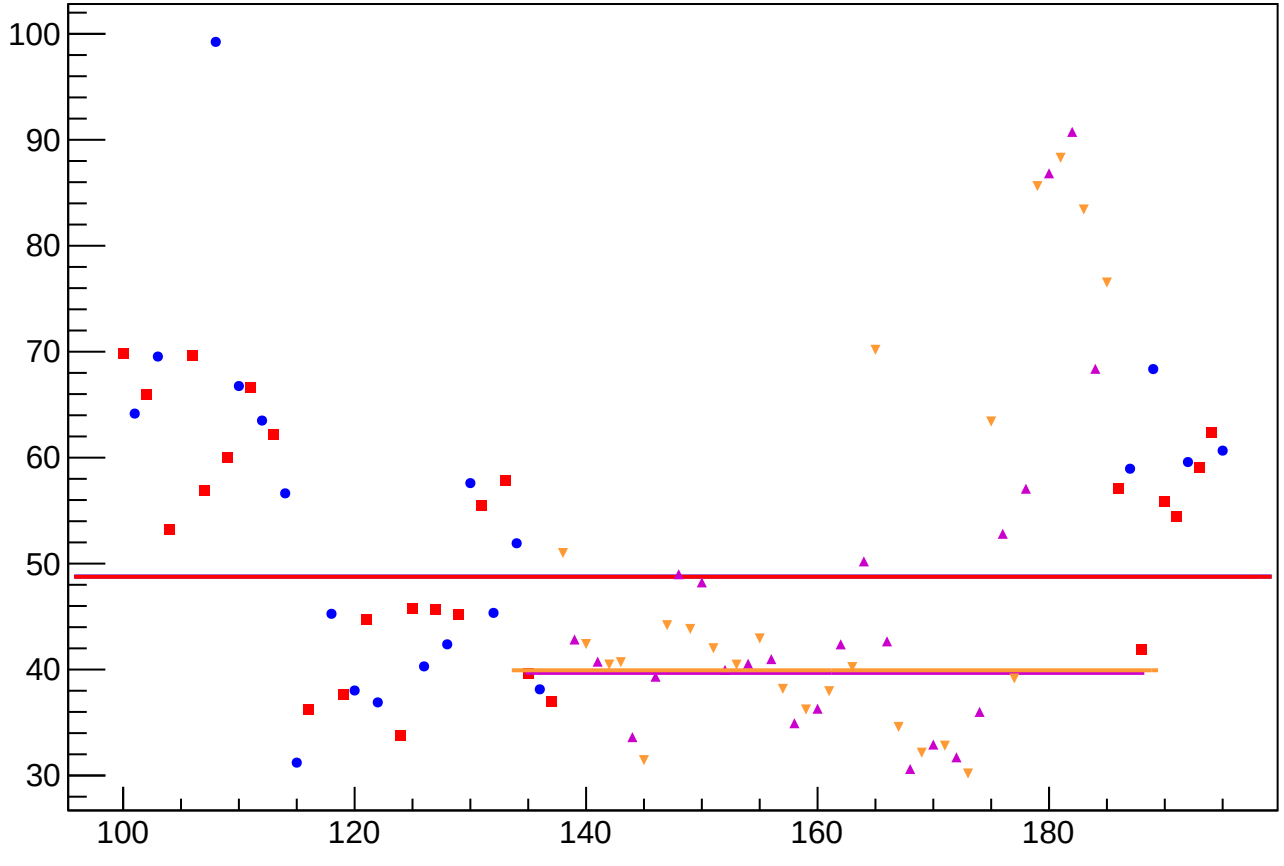
Right: 0.003+/-0.011 χ^2/NDF: 37.1/44

In: 0.006+/-0.008 χ^2/NDF:51.8/42

Out: 0.006+/-0.008 χ^2/NDF:46.6/49

All: 0.006+/-0.006 χ^2/NDF: 98.4/92

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.778+/-0.012 χ^2/NDF: 1162828.3/19

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 48.759+/-0.011 χ^2/NDF: 875696.0/24

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

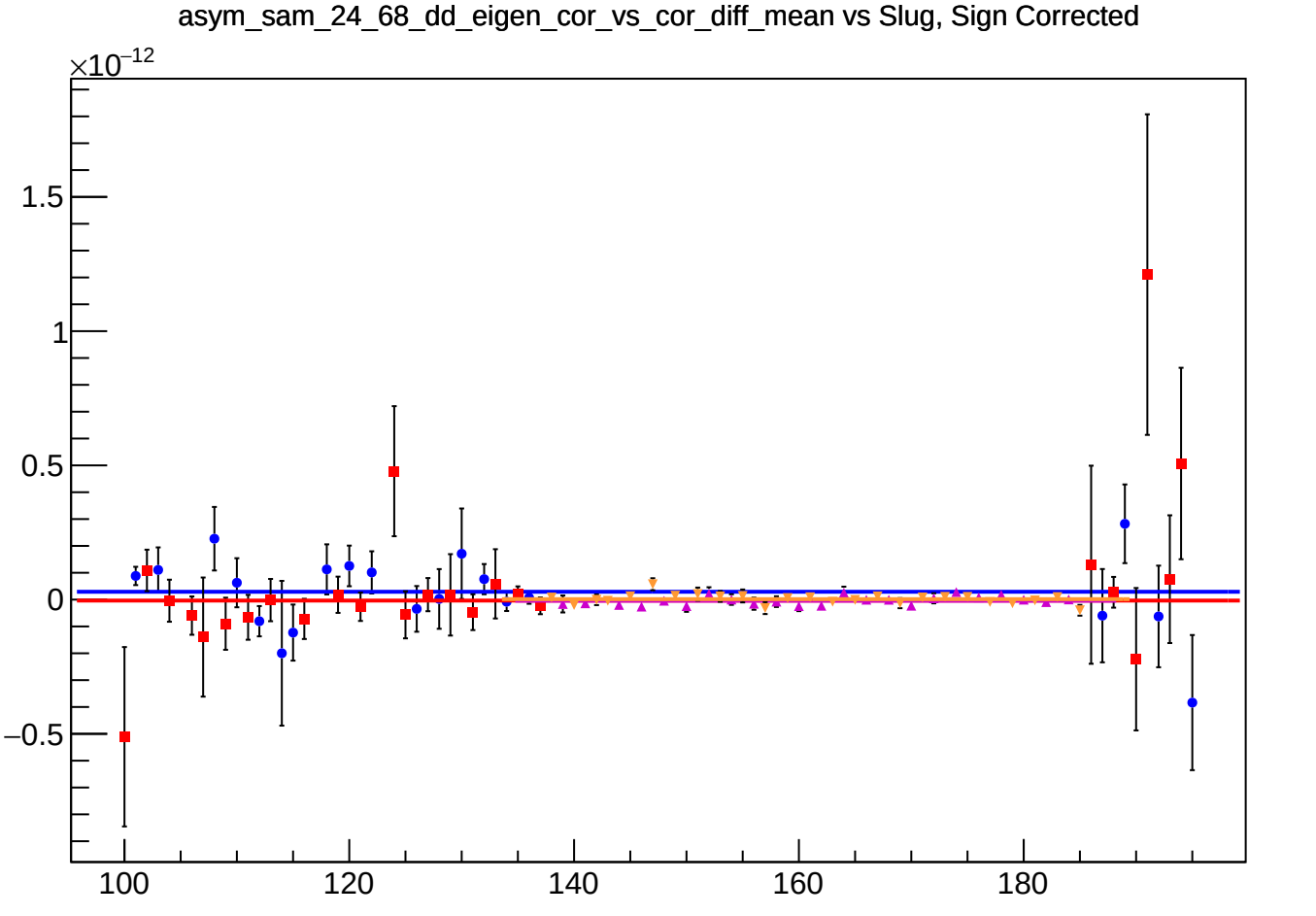
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 48.768+/-0.008 χ^2/NDF: 2038525.8/44

In: 42.079+/-0.006 χ^2/NDF:3534344.3/42

Out: 42.430+/-0.006 χ^2/NDF:3833026.0/49

All: 42.261+/-0.004 χ^2/NDF: 7369178.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/24

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

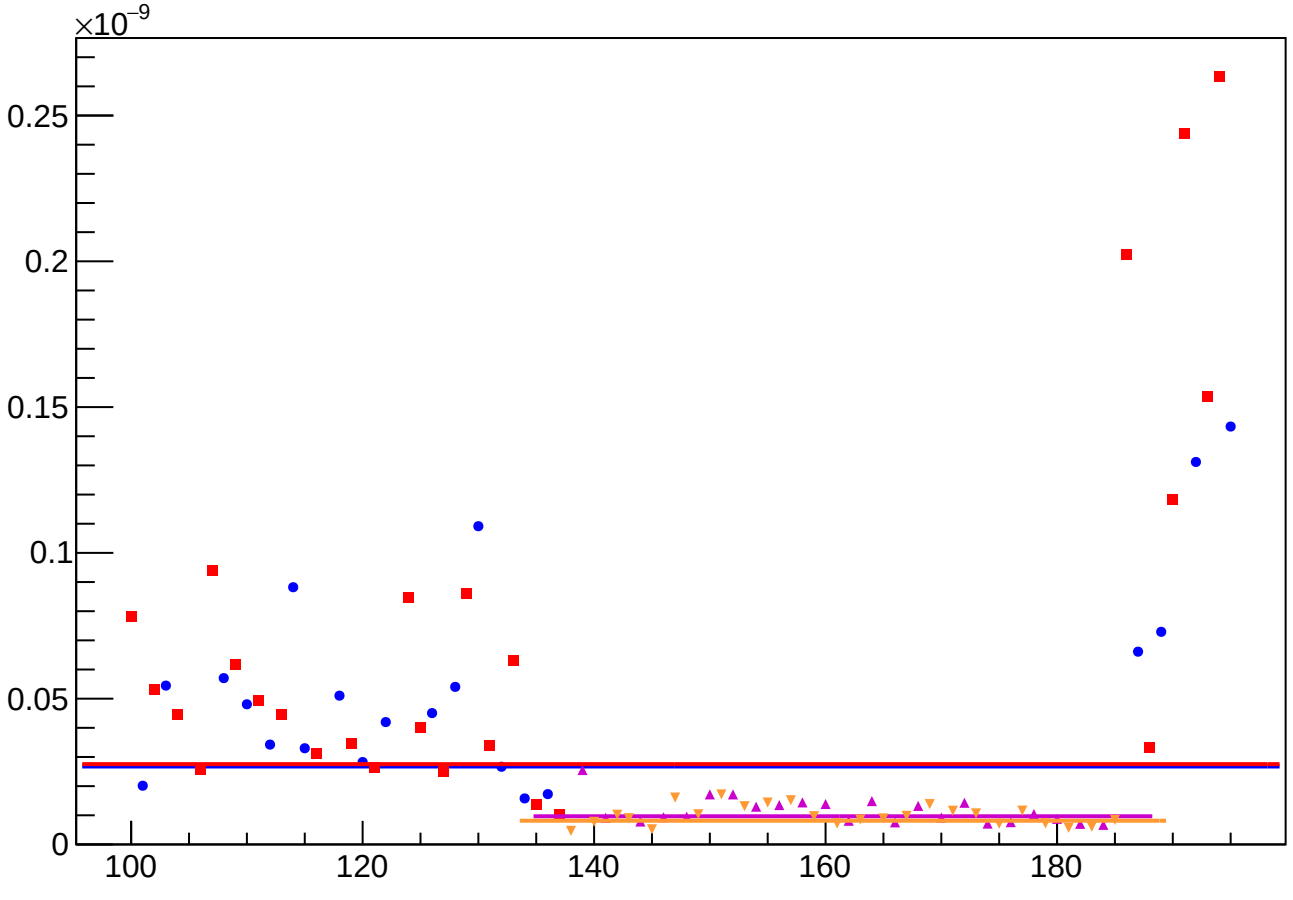
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 51.7/44

In: -0.000+/-0.000 χ^2/NDF:60.4/42

Out: 0.000+/-0.000 χ^2/NDF:49.8/49

All: -0.000+/-0.000 χ^2/NDF: 111.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 3482428.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5225911.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

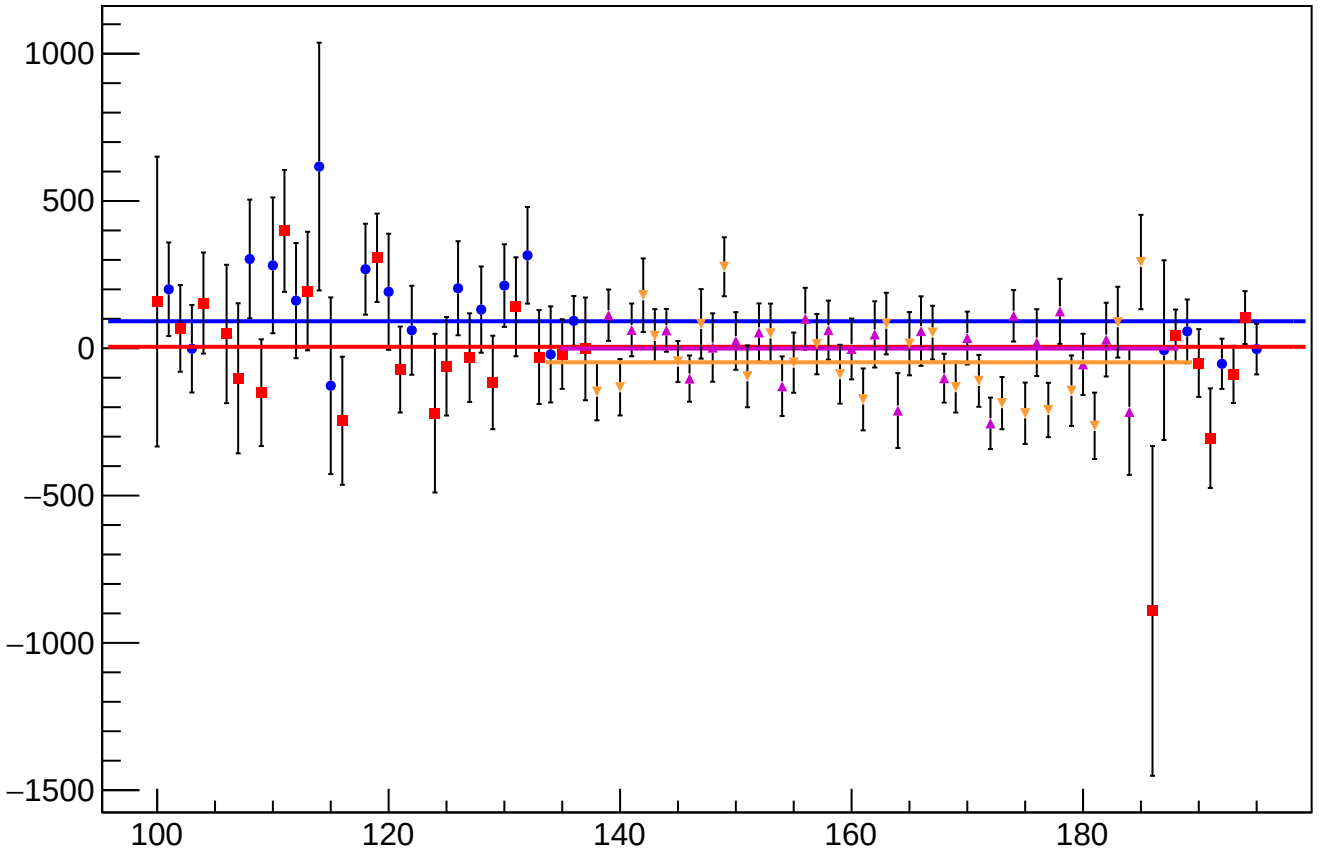
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 8711869.8/44

In: 0.000+/-0.000 χ^2/NDF:8690500.4/42

Out: 0.000+/-0.000 χ^2/NDF:11378162.8/49

All: 0.000+/-0.000 χ^2/NDF: 20451566.9/92



Right In: 91.743+/-31.572 χ^2/NDF: 14.4/19

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 5.030+/-30.274 χ^2/NDF: 22.9/24

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

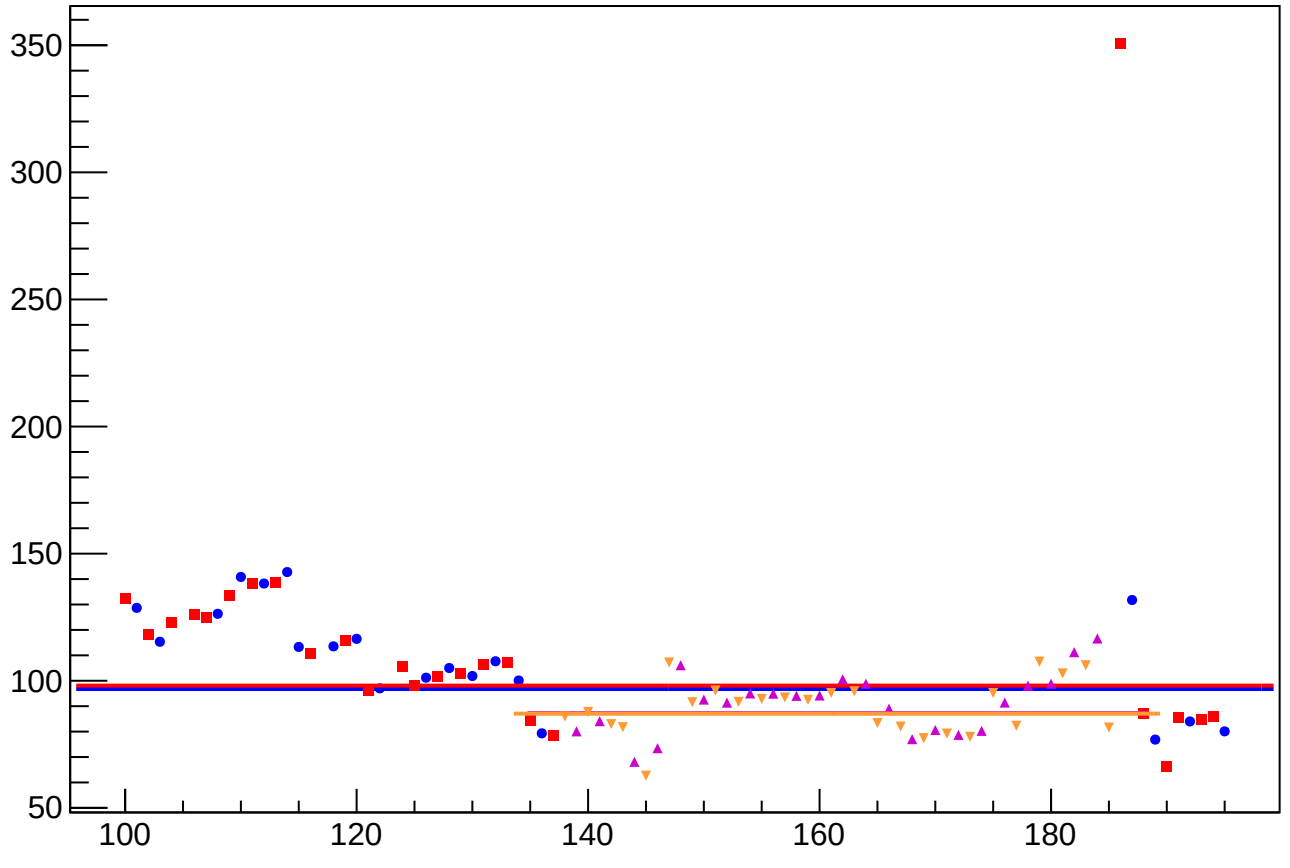
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 46.567+/-21.851 χ^2/NDF: 41.2/44

In: 26.710+/-17.255 χ^2/NDF:45.9/42

Out: -31.575+/-16.677 χ^2/NDF:69.0/49

All: -3.424+/-11.992 χ^2/NDF: 120.8/92



Right In: 96.763+/-0.022 χ^2/NDF: 711242.3/19

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 98.095+/-0.021 χ^2/NDF: 1152658.5/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

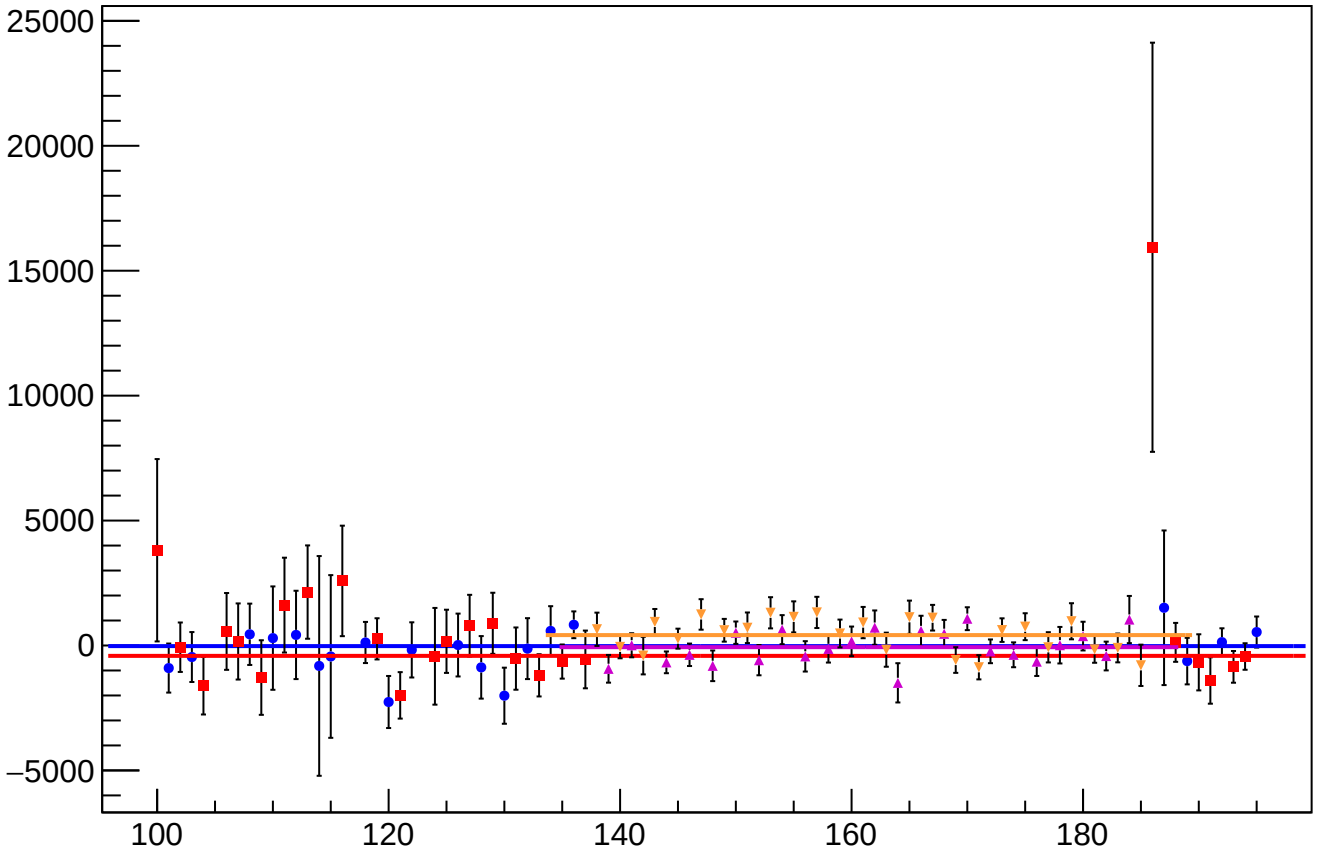
Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

Right: 97.457+/-0.015 χ^2/NDF: 1865757.0/44

In: 90.096+/-0.012 χ^2/NDF:1434189.9/42

Out: 90.417+/-0.012 χ^2/NDF:1957980.1/49

All: 90.262+/-0.008 χ^2/NDF: 3392528.4/92



Right In: -24.079+/-218.386 χ^2/NDF: 14.0/19

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -414.941+/-206.931 χ^2/NDF: 21.3/24

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

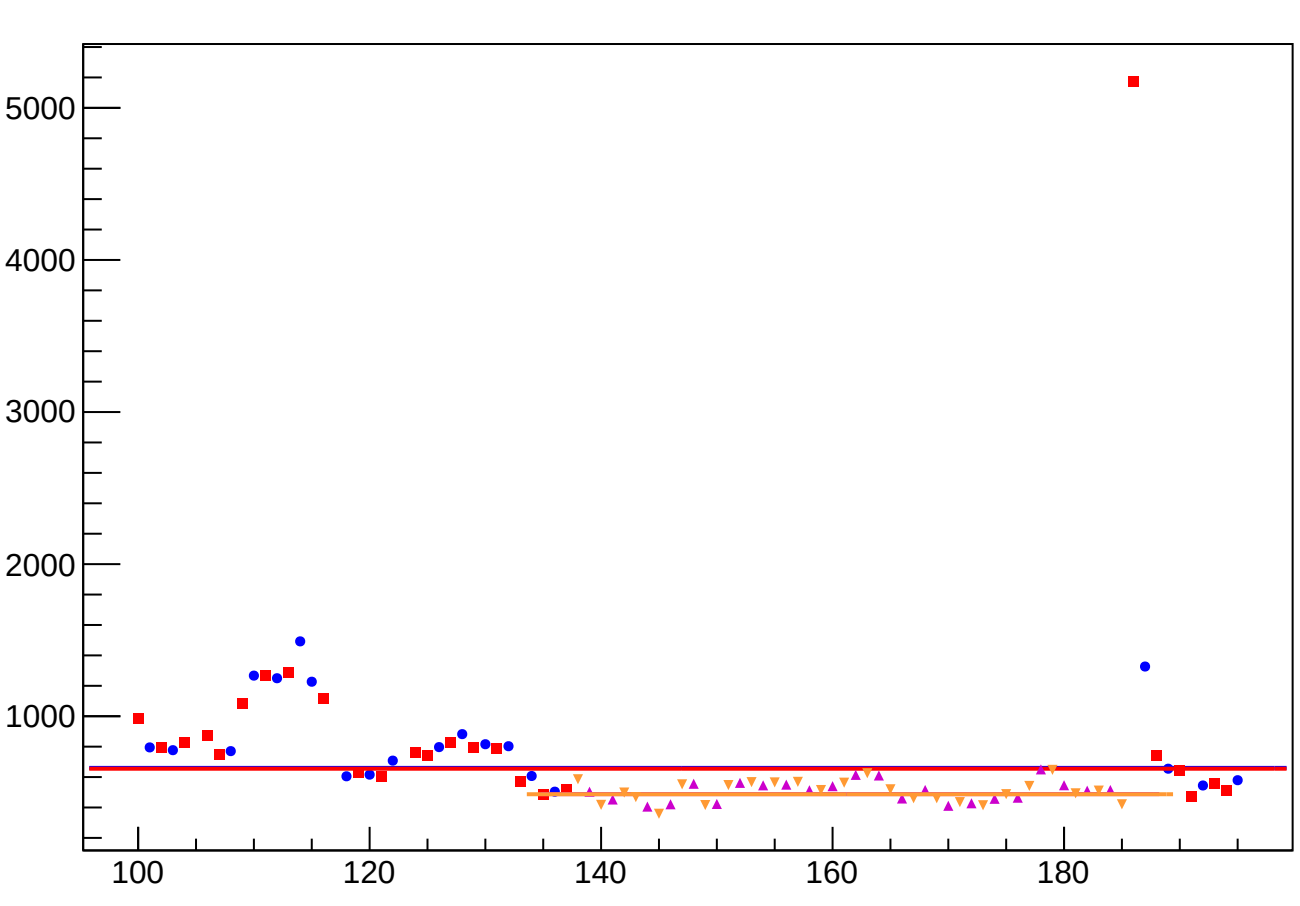
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -230.030+/-150.209 χ^2/NDF: 37.0/44

In: -57.375+/-102.044 χ^2/NDF:41.6/42

Out: 227.187+/-98.727 χ^2/NDF:66.2/49

All: 89.607+/-70.954 χ^2/NDF: 111.7/92



Right In: 660.296+/-0.154 χ^2/NDF: 1166477.2/19

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 654.937+/-0.146 χ^2/NDF: 2034345.4/24

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

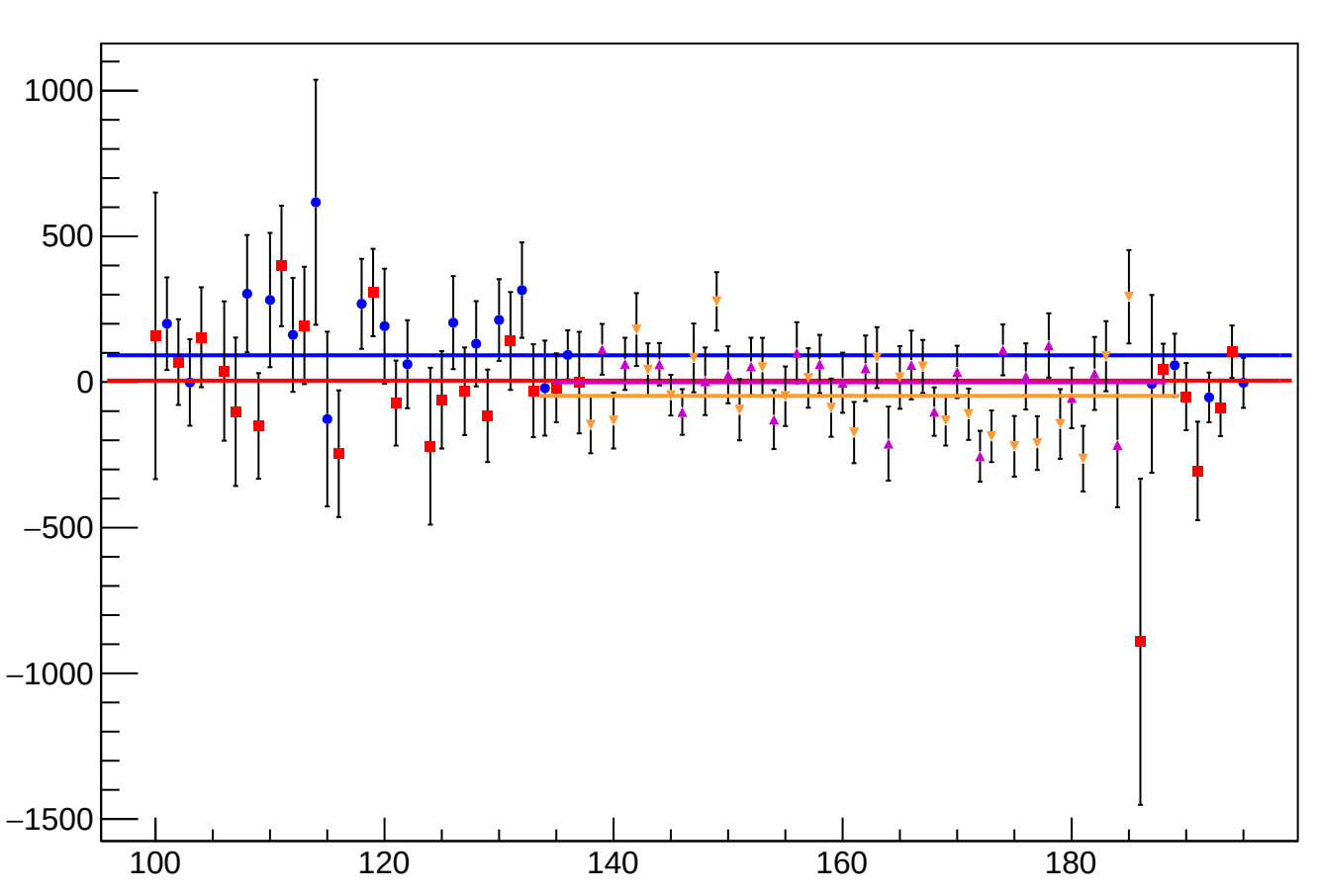
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 657.472+/-0.106 χ^2/NDF: 3201457.2/44

In: 525.564+/-0.072 χ^2/NDF:2774612.0/42

Out: 525.288+/-0.070 χ^2/NDF:3872047.5/49

All: 525.421+/-0.050 χ^2/NDF: 6646667.1/92



Right In: 91.733+/-31.572 χ^2/NDF: 14.4/19

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 4.872+/-30.283 χ^2/NDF: 22.9/24

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

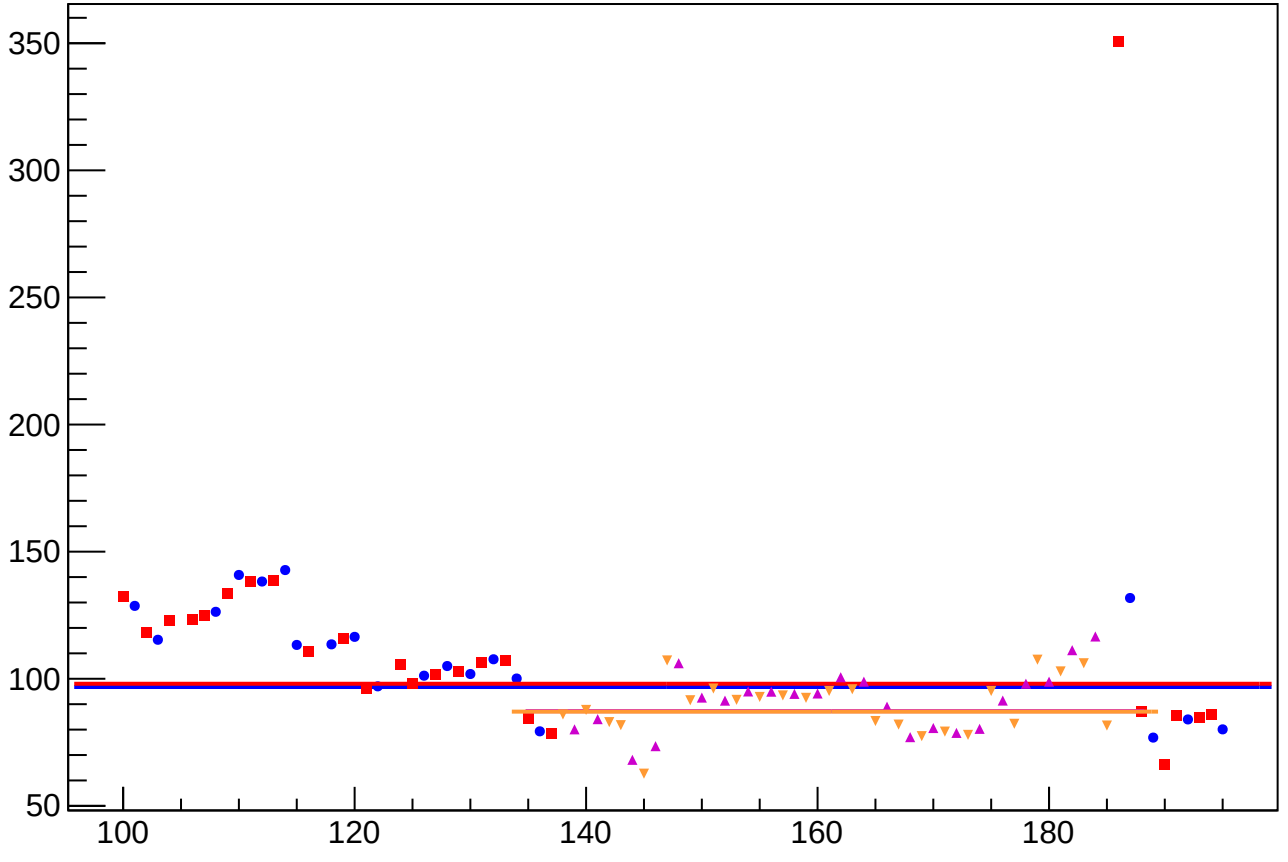
Right: 46.494+/-21.855 χ^2/NDF: 41.2/44

In: 26.706+/-17.255 χ^2/NDF:45.9/42

Out: -31.635+/-16.679 χ^2/NDF:68.9/49

All: -3.454+/-11.992 χ^2/NDF: 120.8/92

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 96.763+/-0.022 χ^2/NDF: 711242.6/19

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 98.034+/-0.021 χ^2/NDF: 1146478.9/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

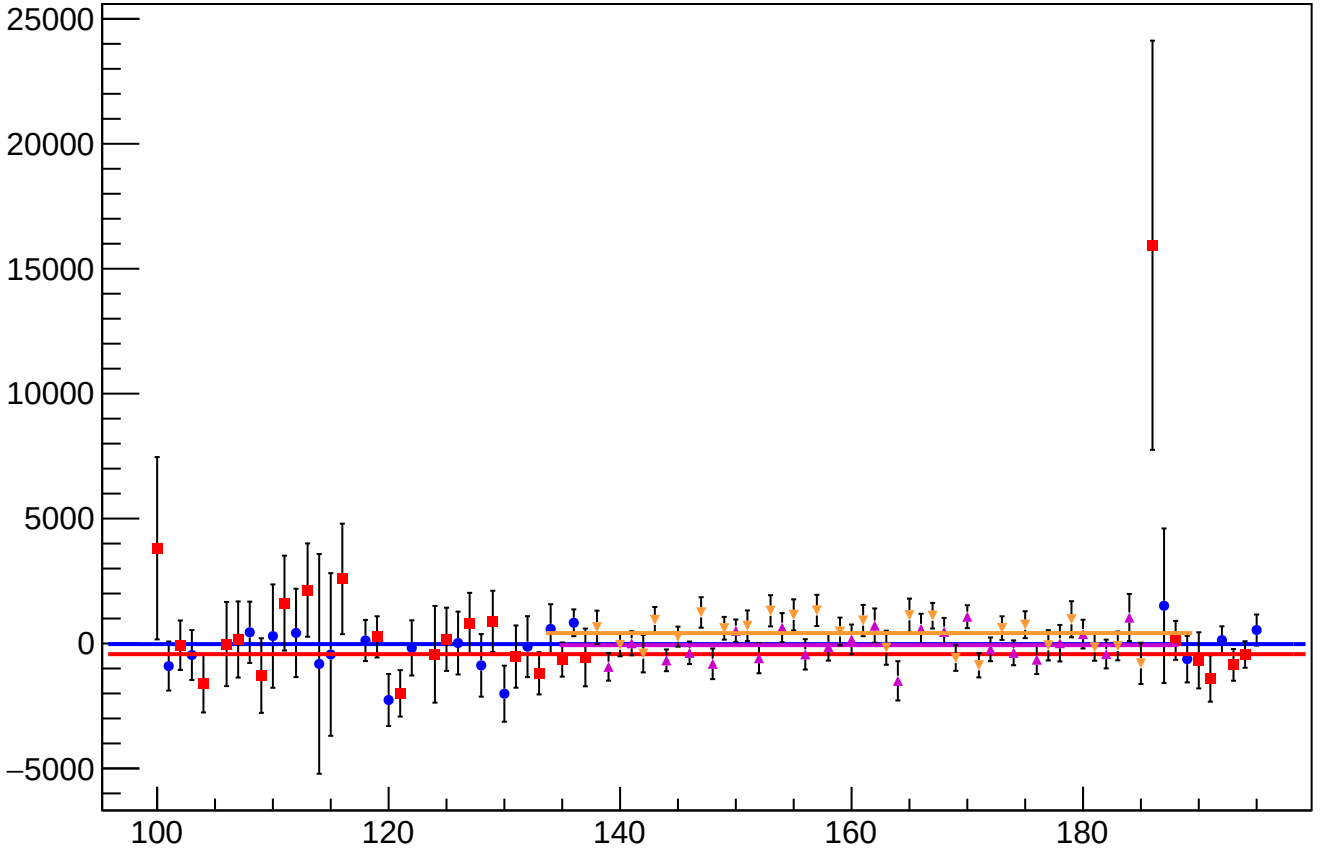
Right: 97.425+/-0.015 χ^2/NDF: 1859410.4/44

In: 90.096+/-0.012 χ^2/NDF:1434190.3/42

Out: 90.397+/-0.012 χ^2/NDF:1949673.1/49

All: 90.252+/-0.008 χ^2/NDF: 3384178.4/92

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -24.076+/-218.387 χ^2/NDF: 14.0/19

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -426.745+/-207.248 χ^2/NDF: 20.9/24

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

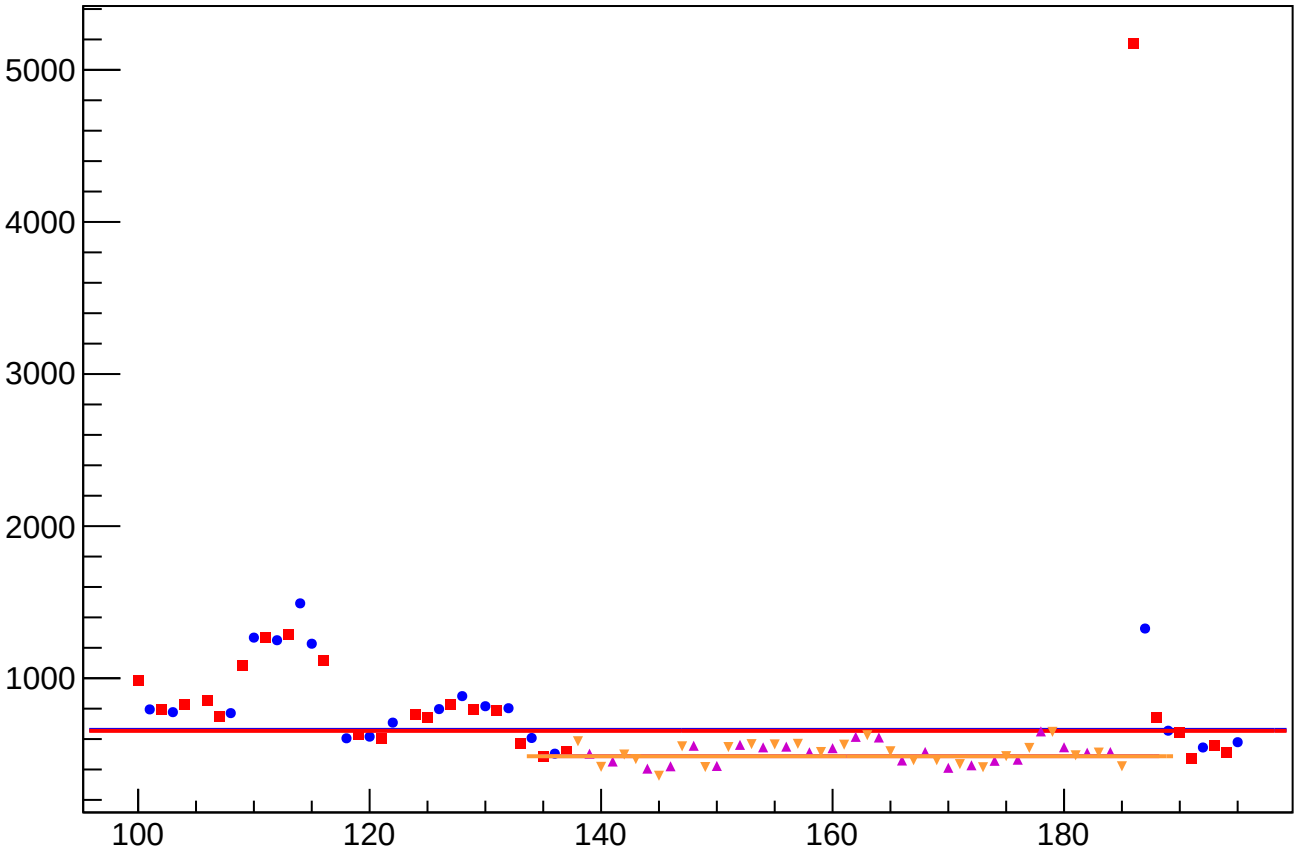
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -235.942+/-150.330 χ^2/NDF: 36.7/44

In: -57.374+/-102.044 χ^2/NDF:41.6/42

Out: 224.946+/-98.761 χ^2/NDF:66.1/49

All: 88.401+/-70.967 χ^2/NDF: 111.7/92



Right In: 660.296+/-0.154 χ^2/NDF: 1166488.6/19

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 653.981+/-0.147 χ^2/NDF: 2021791.2/24

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

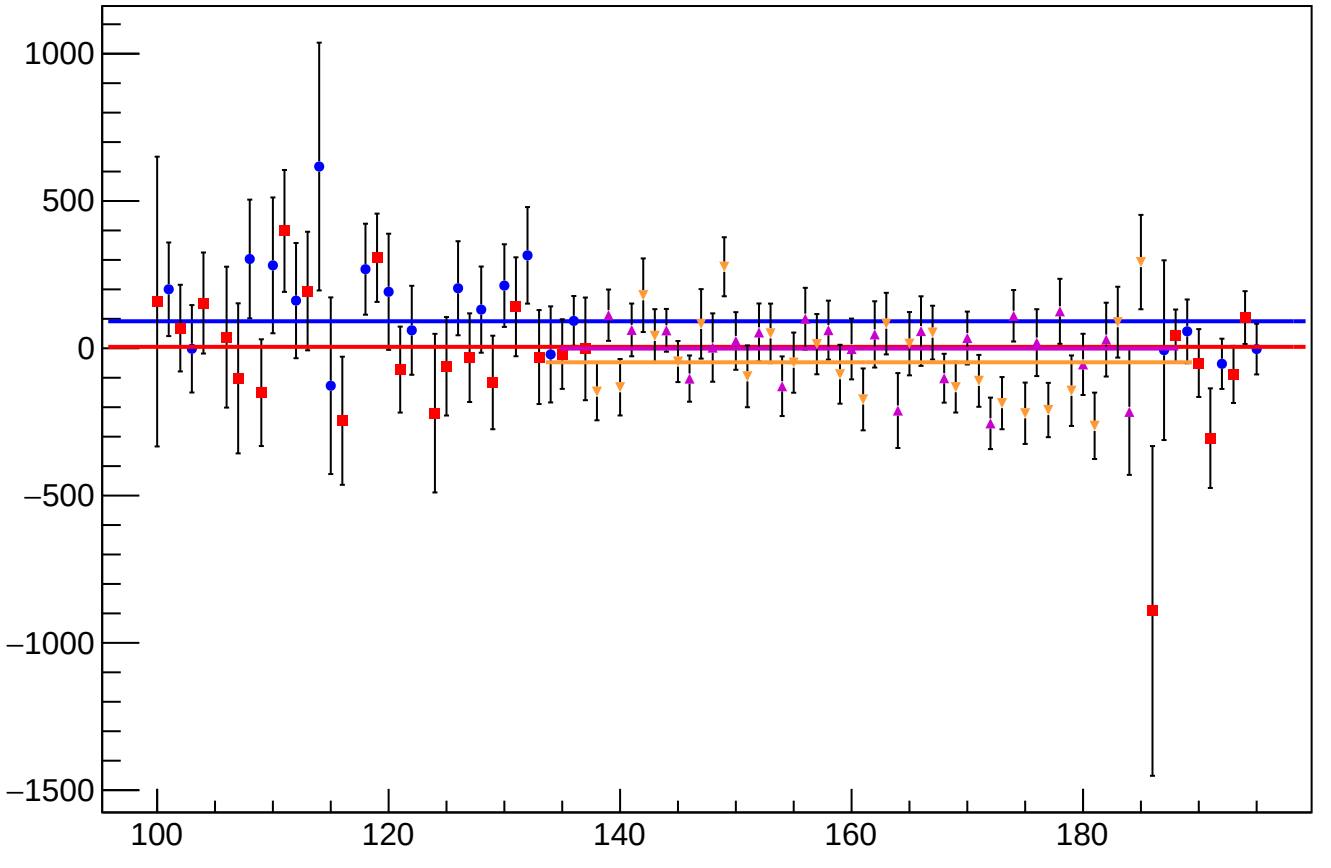
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 656.973+/-0.106 χ^2/NDF: 3189159.6/44

In: 525.564+/-0.072 χ^2/NDF:2774628.3/42

Out: 524.982+/-0.070 χ^2/NDF:3845578.8/49

All: 525.263+/-0.050 χ^2/NDF: 6620240.8/92



Right In: 91.733+/-31.572 χ^2/NDF: 14.4/19

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 4.872+/-30.283 χ^2/NDF: 22.9/24

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

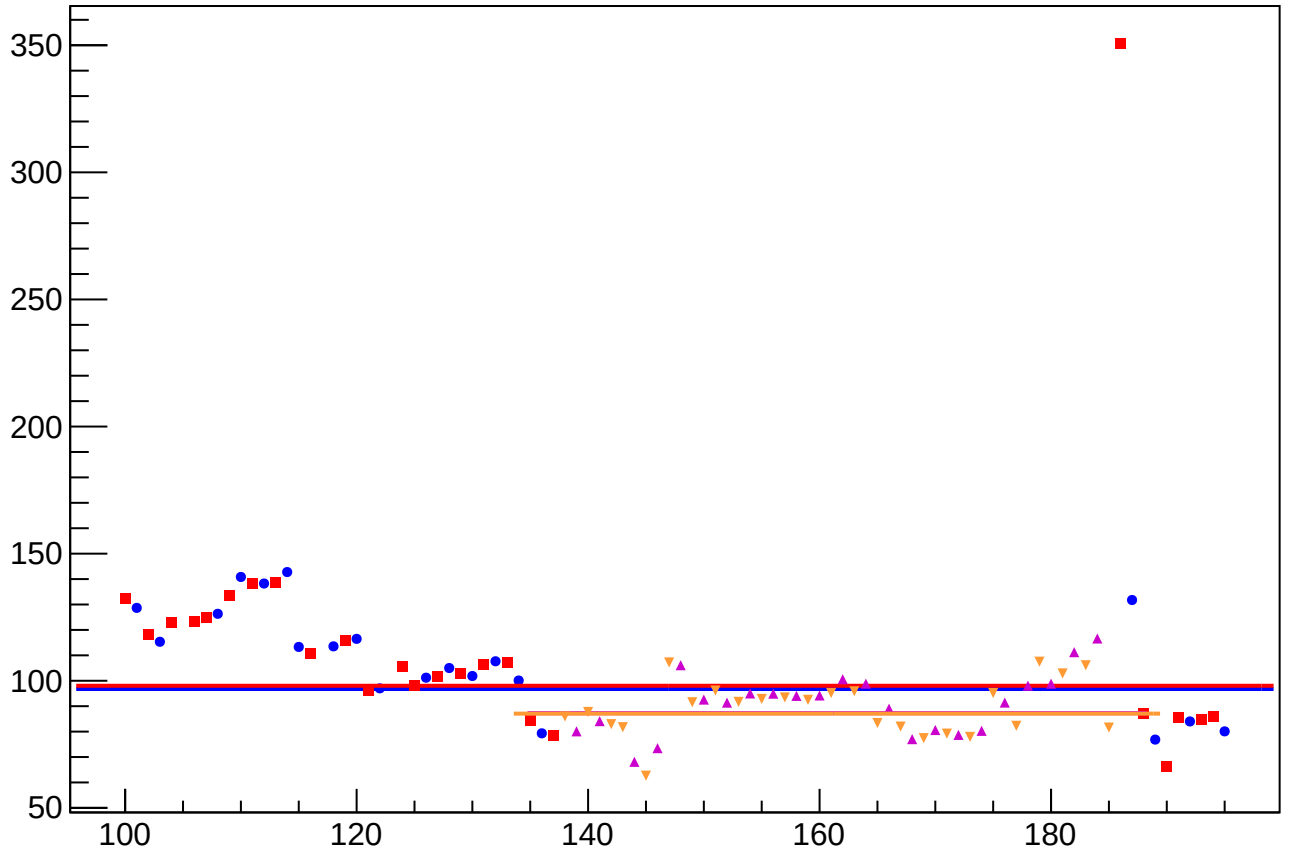
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 46.494+/-21.855 χ^2/NDF: 41.2/44

In: 26.706+/-17.255 χ^2/NDF:45.9/42

Out: -31.635+/-16.679 χ^2/NDF:68.9/49

All: -3.454+/-11.992 χ^2/NDF: 120.8/92



Right In: 96.763+/-0.022 χ^2/NDF: 711242.6/19

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 98.034+/-0.021 χ^2/NDF: 1146478.9/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

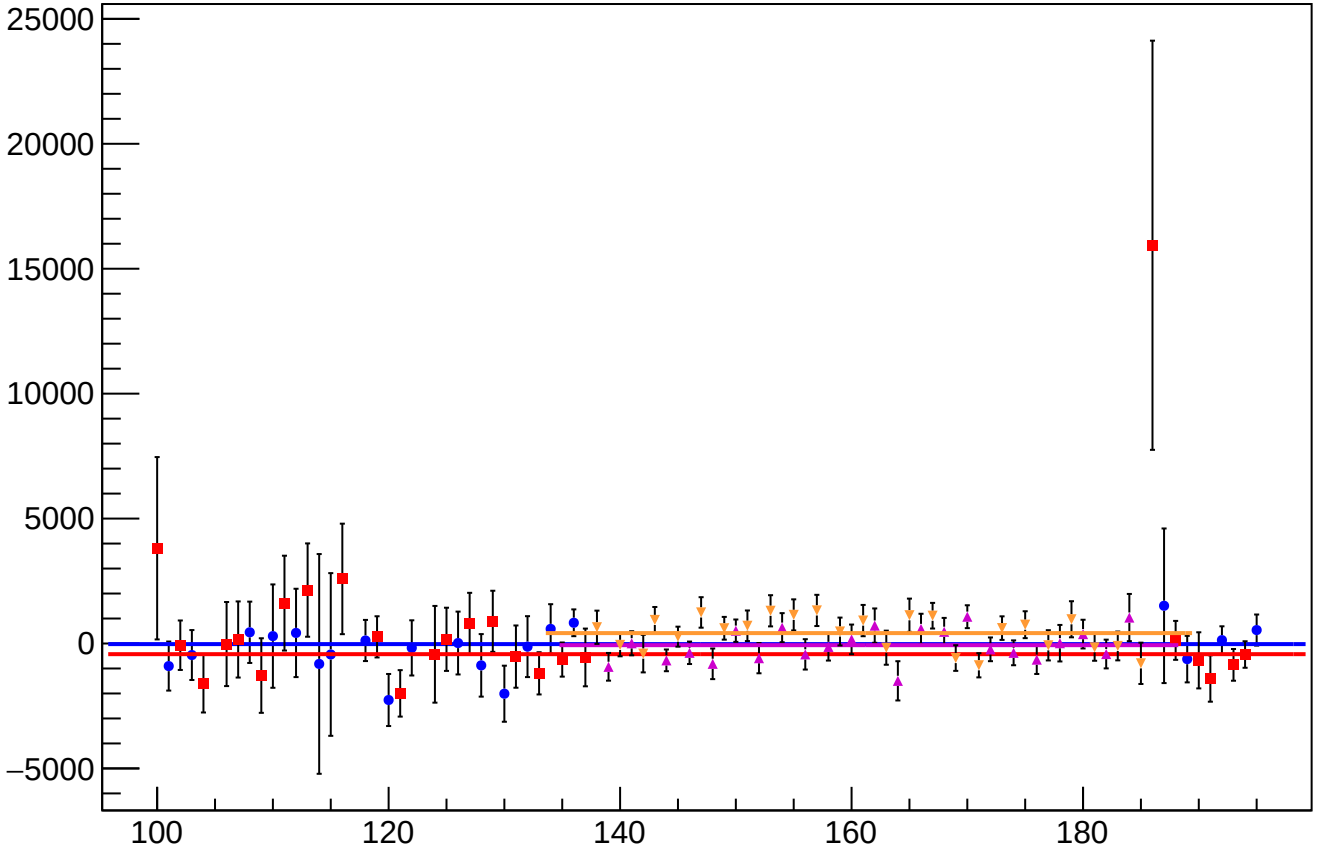
Right: 97.425+/-0.015 χ^2/NDF: 1859410.4/44

In: 90.096+/-0.012 χ^2/NDF:1434190.3/42

Out: 90.397+/-0.012 χ^2/NDF:1949673.1/49

All: 90.252+/-0.008 χ^2/NDF: 3384178.4/92

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -24.076+/-218.387 χ^2/NDF: 14.0/19

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -426.745+/-207.248 χ^2/NDF: 20.9/24

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

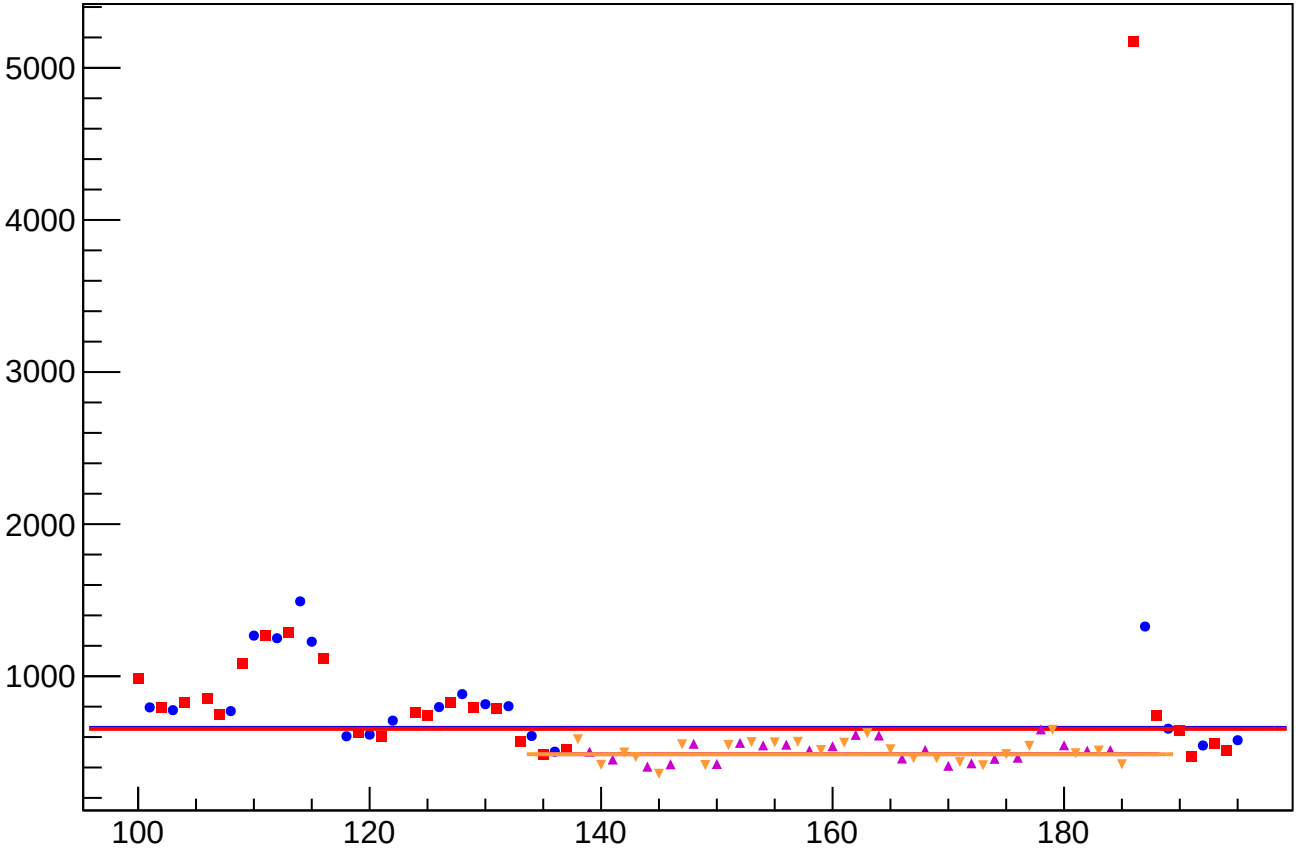
Right: -235.942+/-150.330 χ^2/NDF: 36.7/44

In: -57.374+/-102.044 χ^2/NDF:41.6/42

Out: 224.946+/-98.761 χ^2/NDF:66.1/49

All: 88.401+/-70.967 χ^2/NDF: 111.7/92

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 660.296+/-0.154 χ^2/NDF: 1166488.6/19

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 653.981+/-0.147 χ^2/NDF: 2021791.2/24

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

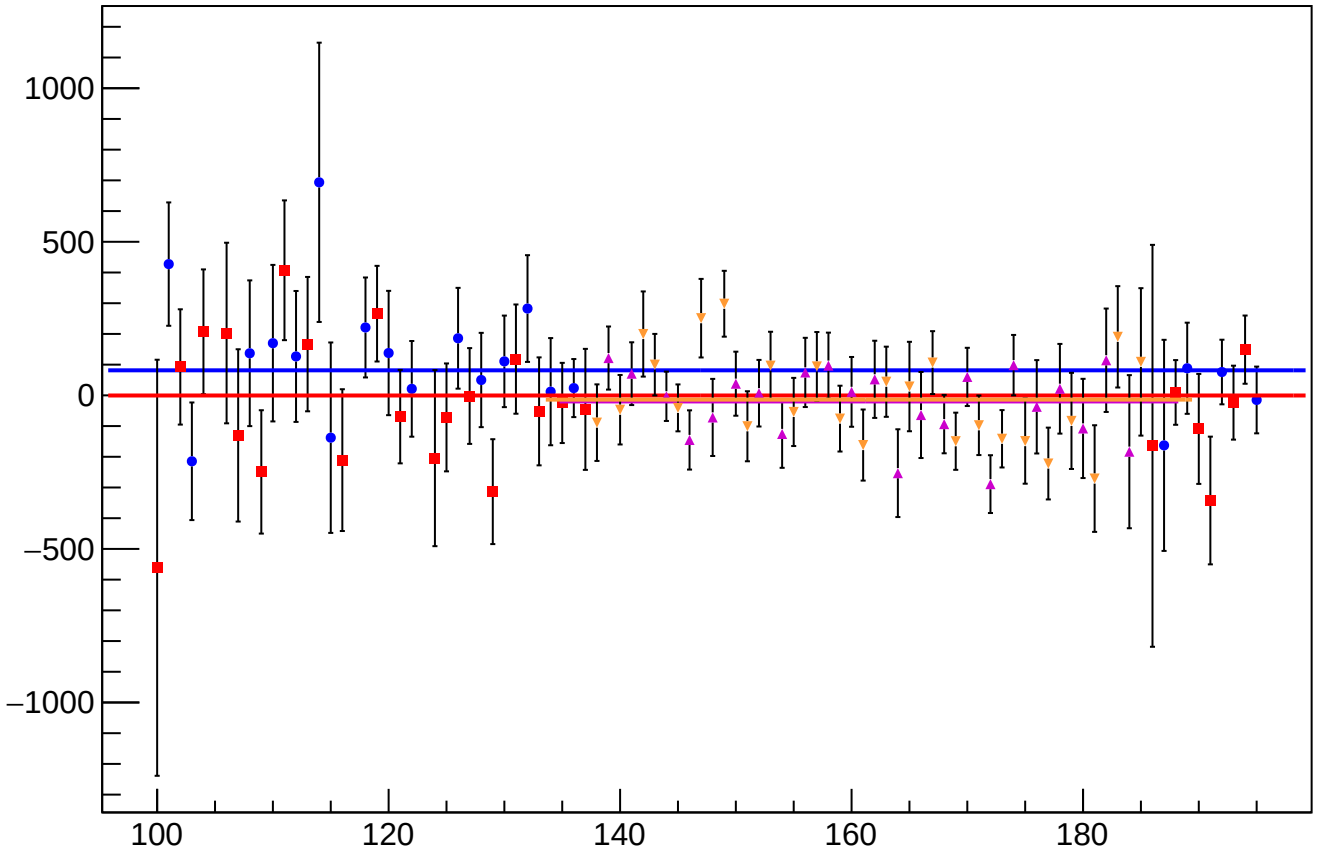
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 656.973+/-0.106 χ^2/NDF: 3189159.6/44

In: 525.564+/-0.072 χ^2/NDF:2774628.3/42

Out: 524.982+/-0.070 χ^2/NDF:3845578.8/49

All: 525.263+/-0.050 χ^2/NDF: 6620240.8/92



Right In: 81.517+/-36.341 χ^2/NDF: 12.5/19

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.443+/-35.080 χ^2/NDF: 21.6/24

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

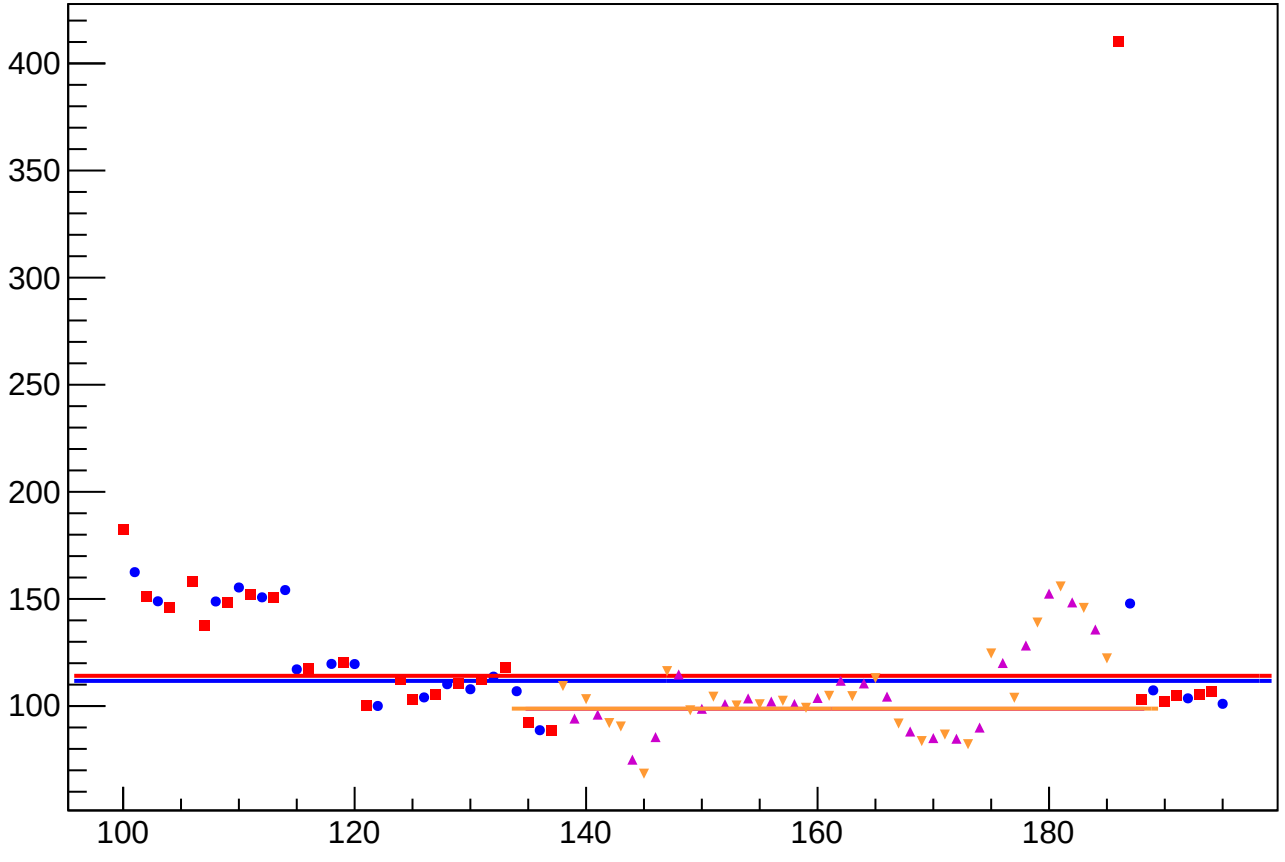
Right: 39.090+/-25.239 χ^2/NDF: 36.7/44

In: 10.199+/-19.776 χ^2/NDF:41.3/42

Out: -9.878+/-19.185 χ^2/NDF:58.1/49

All: -0.144+/-13.770 χ^2/NDF: 99.9/92

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 111.745+/-0.026 χ^2/NDF: 596157.0/19

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 114.117+/-0.025 χ^2/NDF: 965637.0/24

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

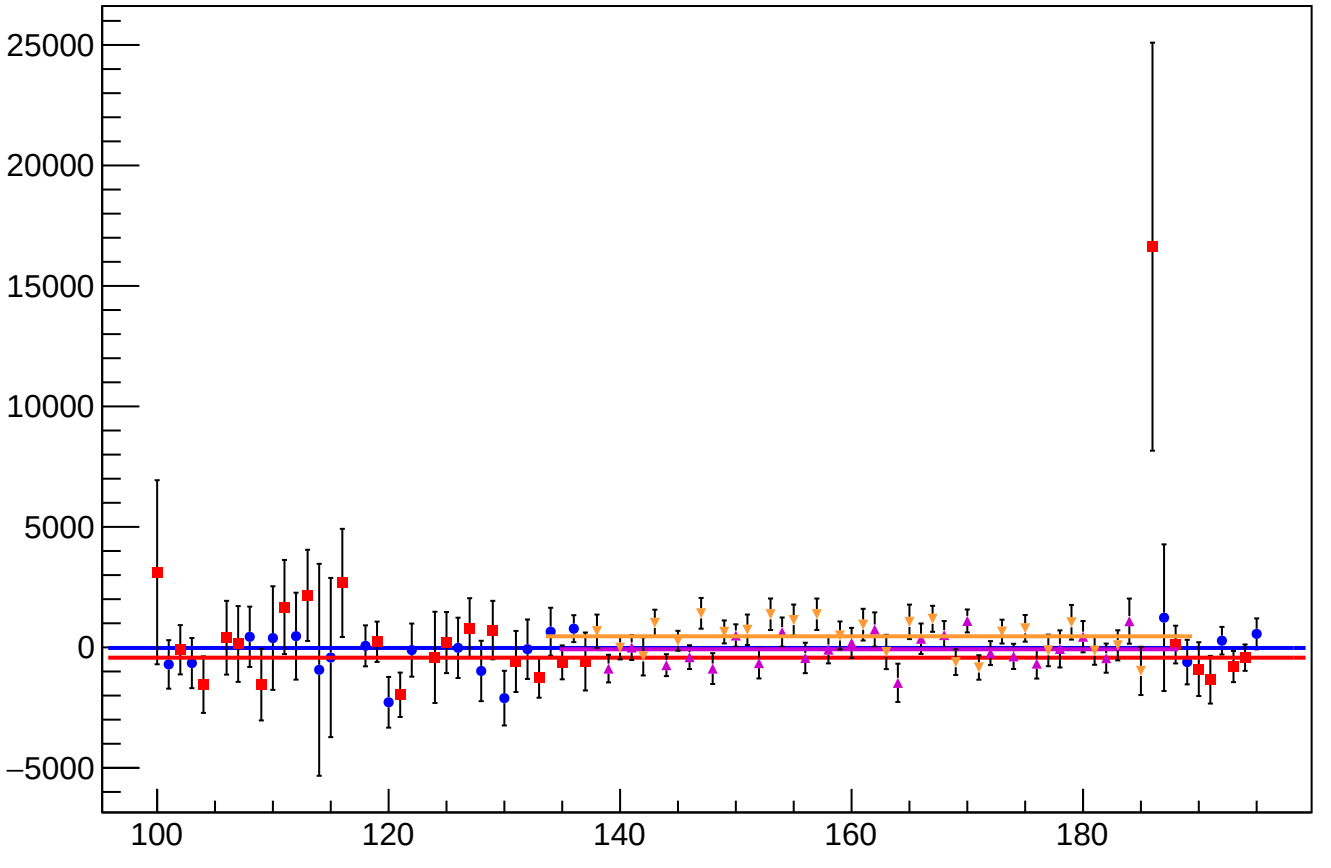
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 112.973+/-0.018 χ^2/NDF: 1566203.7/44

In: 102.544+/-0.014 χ^2/NDF:1766137.2/42

Out: 103.381+/-0.014 χ^2/NDF:2418743.3/49

All: 102.975+/-0.010 χ^2/NDF: 4186724.6/92



Right In: -24.390+/-223.523 χ^2/NDF: 13.9/19

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -427.922+/-210.505 χ^2/NDF: 20.3/24

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

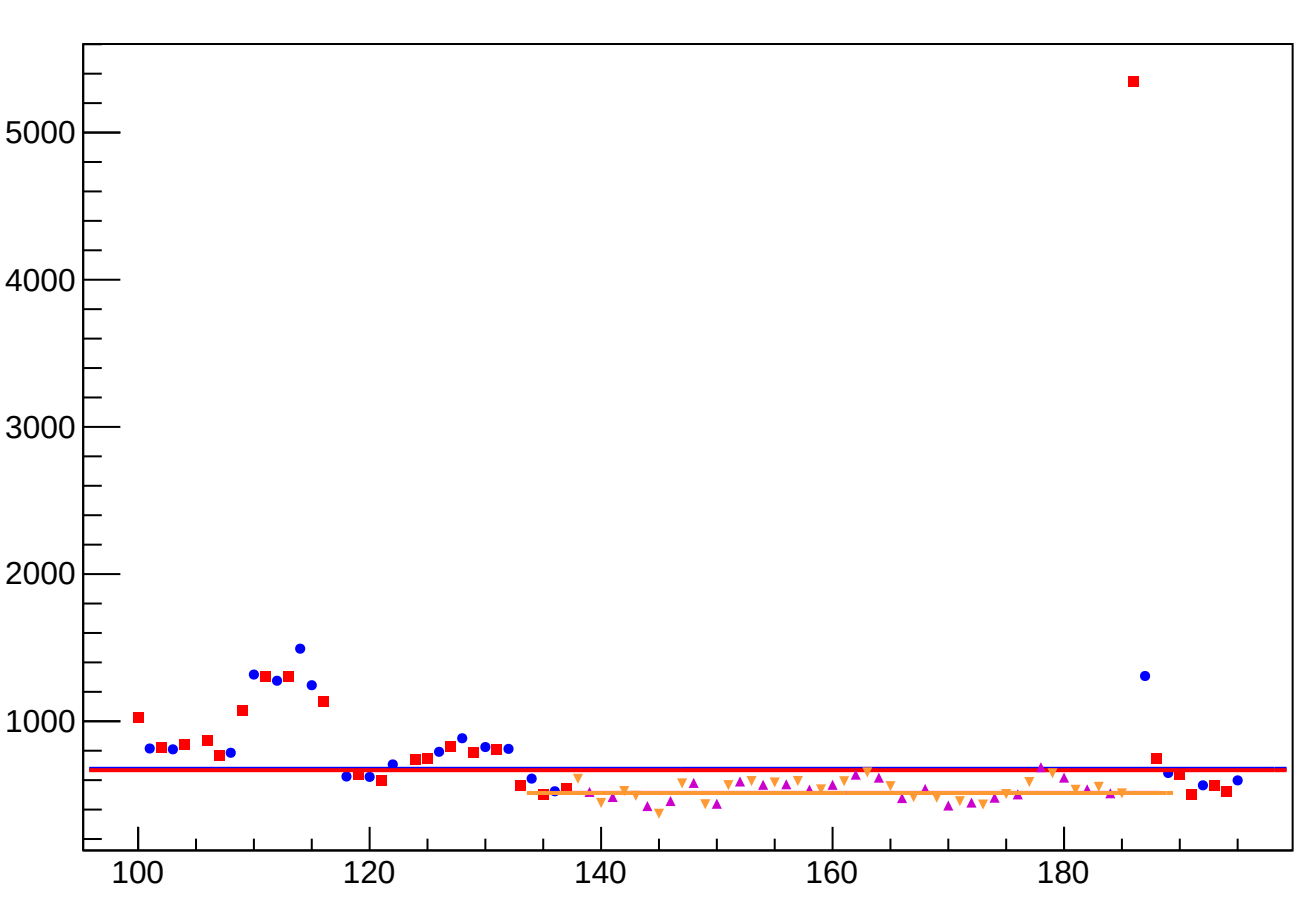
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -238.249+/-153.245 χ^2/NDF: 35.9/44

In: -66.393+/-106.706 χ^2/NDF:40.2/42

Out: 246.708+/-103.005 χ^2/NDF:64.6/49

All: 95.681+/-74.109 χ^2/NDF: 109.2/92



Right In: 677.122+/-0.158 χ^2/NDF: 1108116.3/19

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 667.659+/-0.149 χ^2/NDF: 1968889.8/24

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

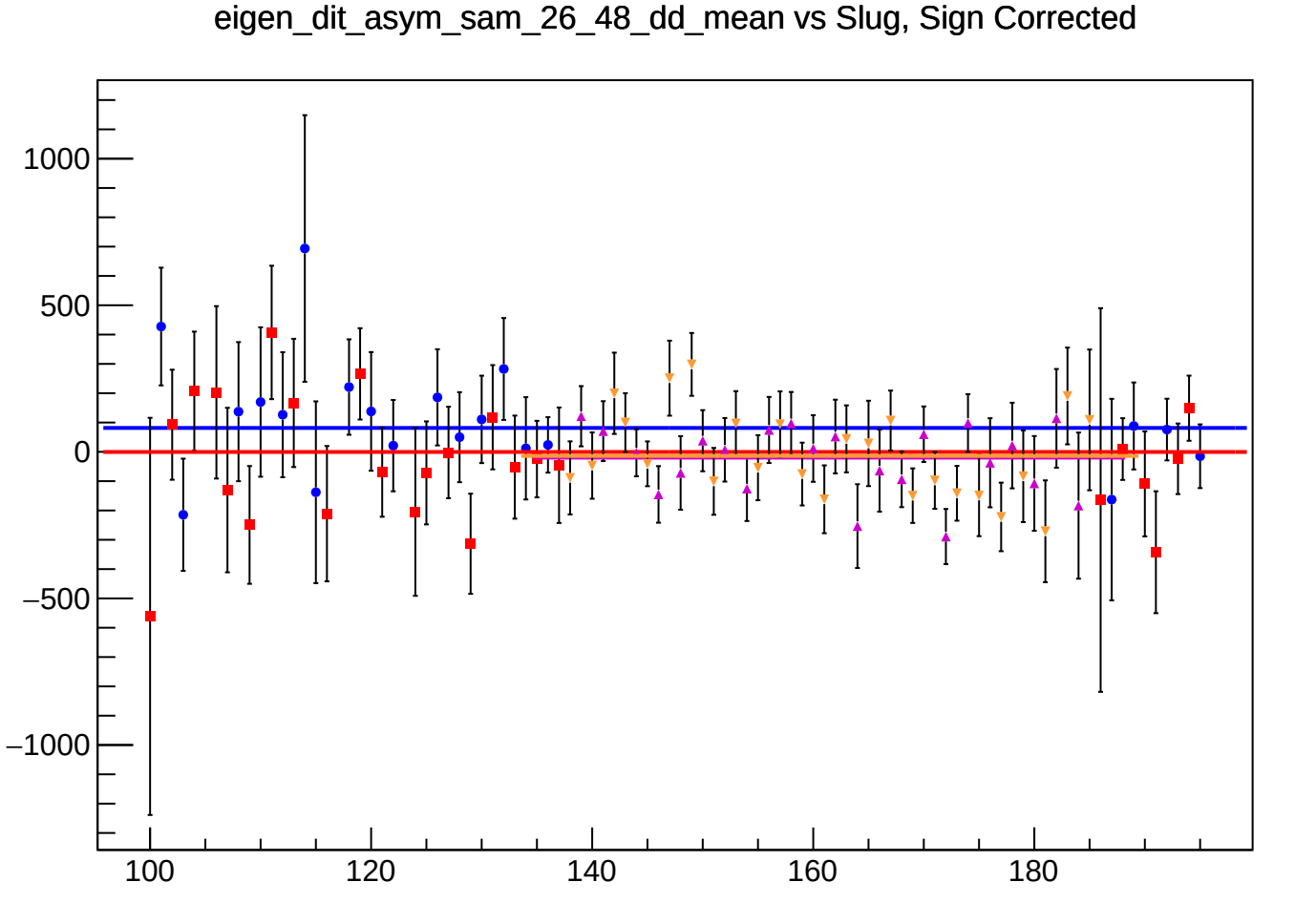
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 672.107+/-0.108 χ^2/NDF: 3078905.7/44

In: 550.691+/-0.075 χ^2/NDF:2570841.6/42

Out: 549.855+/-0.073 χ^2/NDF:3591679.9/49

All: 550.259+/-0.052 χ^2/NDF: 6162585.1/92



Right In: 81.516+/-36.341 χ^2/NDF: 12.5/19

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.443+/-35.080 χ^2/NDF: 21.6/24

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

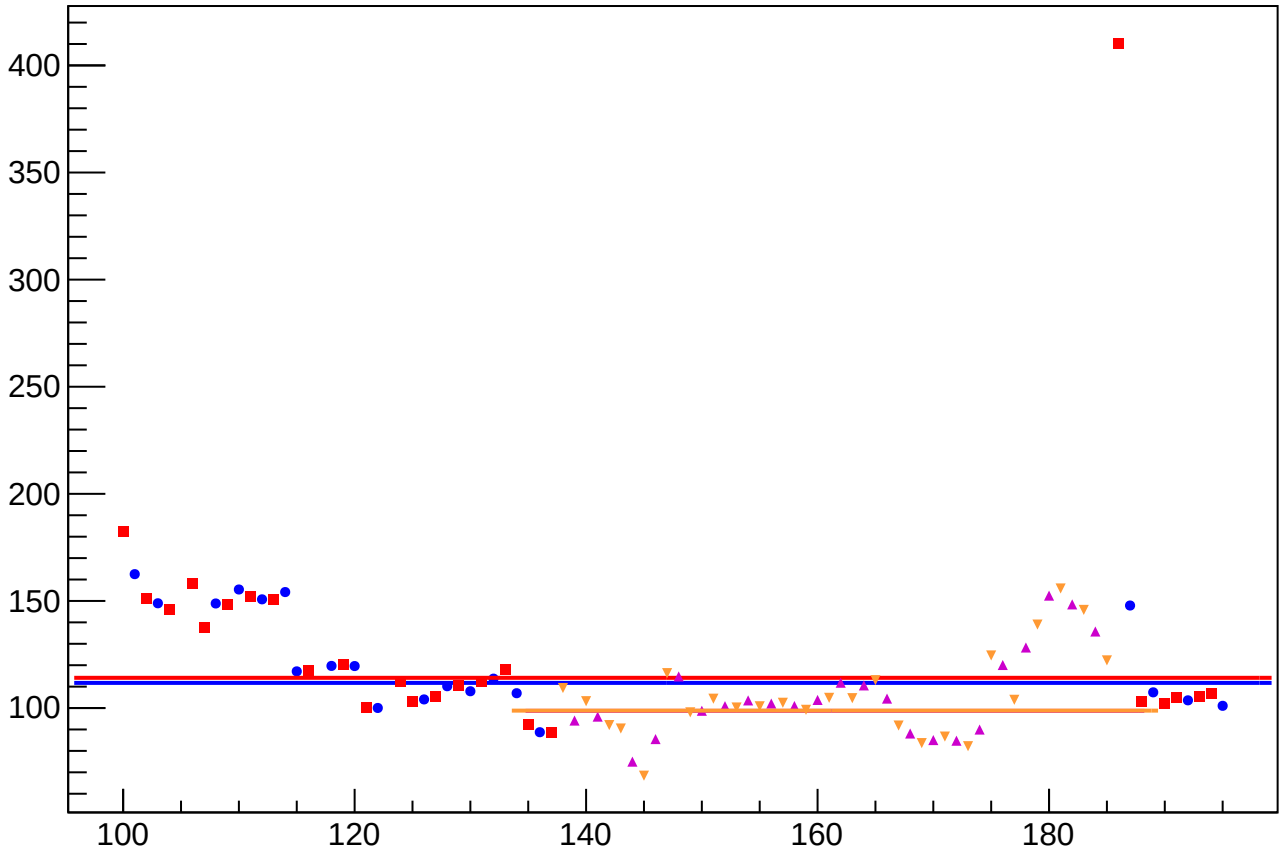
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 39.090+/-25.239 χ^2/NDF: 36.7/44

In: 10.198+/-19.776 χ^2/NDF:41.3/42

Out: -9.879+/-19.185 χ^2/NDF:58.1/49

All: -0.145+/-13.770 χ^2/NDF: 99.9/92



Right In: 111.746+/-0.026 χ^2/NDF: 596141.9/19

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 114.117+/-0.025 χ^2/NDF: 965622.1/24

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

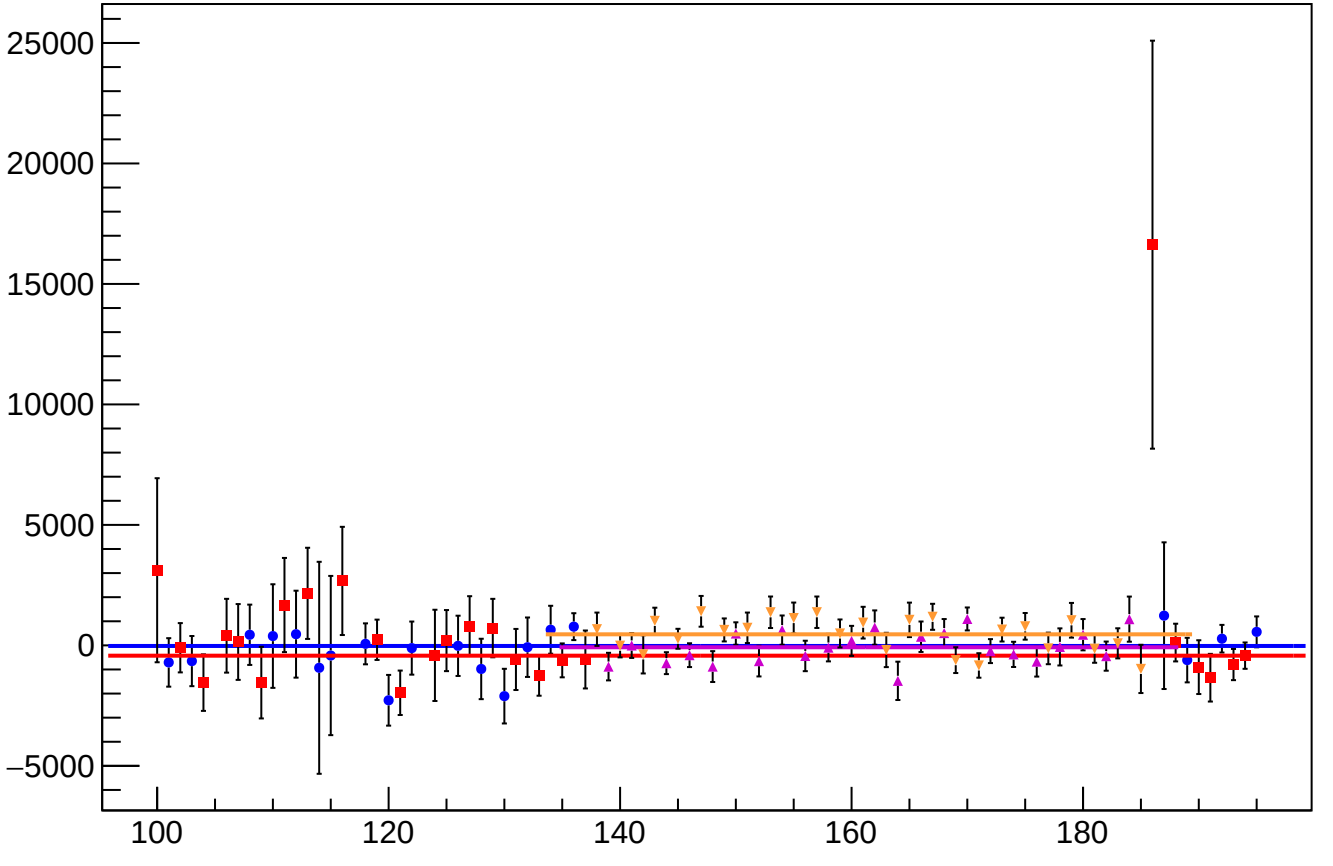
Right: 112.973+/-0.018 χ^2/NDF: 1566173.4/44

In: 102.544+/-0.014 χ^2/NDF:1766119.3/42

Out: 103.381+/-0.014 χ^2/NDF:2418738.0/49

All: 102.975+/-0.010 χ^2/NDF: 4186701.1/92

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -24.391+/-223.523 χ^2/NDF: 13.9/19

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -427.921+/-210.504 χ^2/NDF: 20.3/24

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

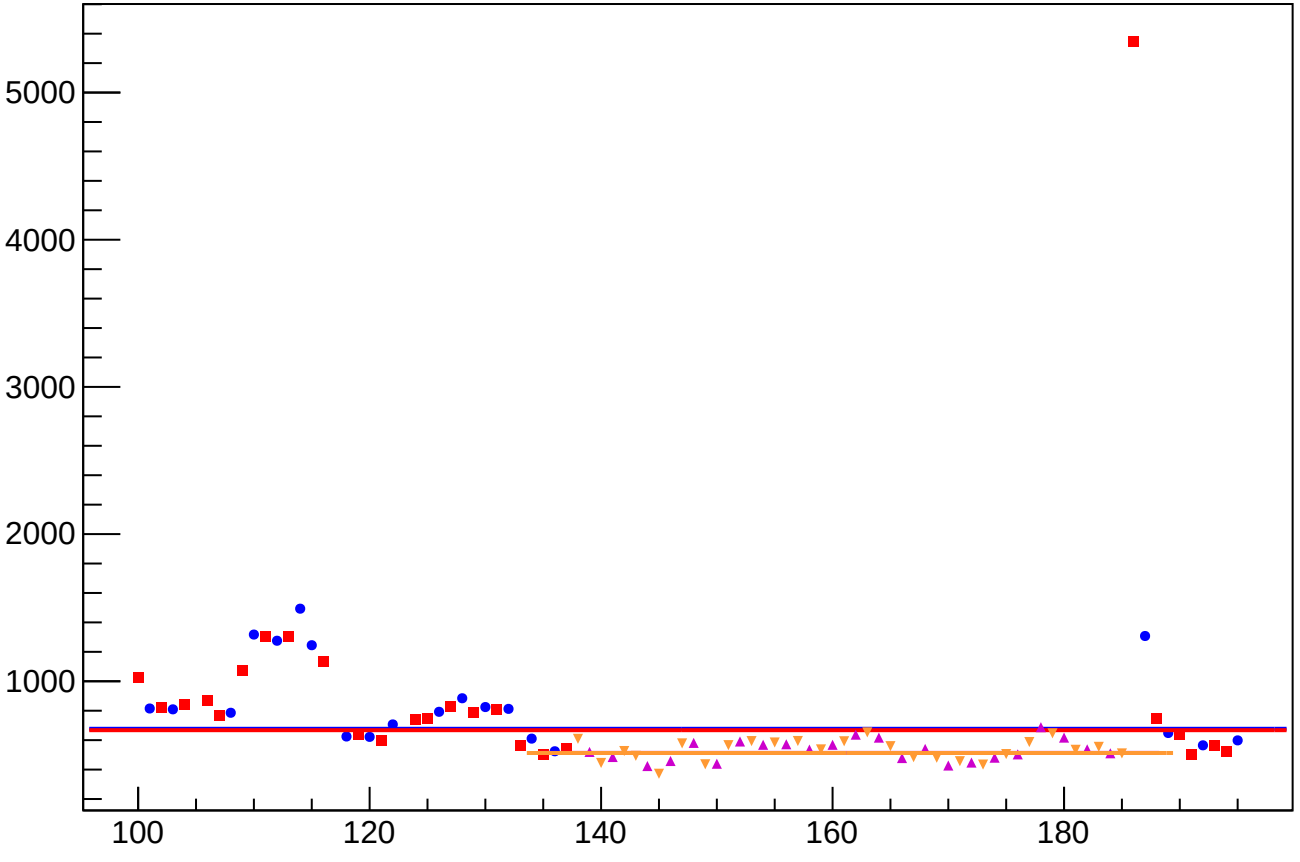
Right: -238.249+/-153.245 χ^2/NDF: 35.9/44

In: -66.393+/-106.706 χ^2/NDF:40.2/42

Out: 246.707+/-103.005 χ^2/NDF:64.6/49

All: 95.680+/-74.109 χ^2/NDF: 109.2/92

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 677.121+/-0.158 χ^2/NDF: 1108114.2/19

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 667.658+/-0.149 χ^2/NDF: 1968886.3/24

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

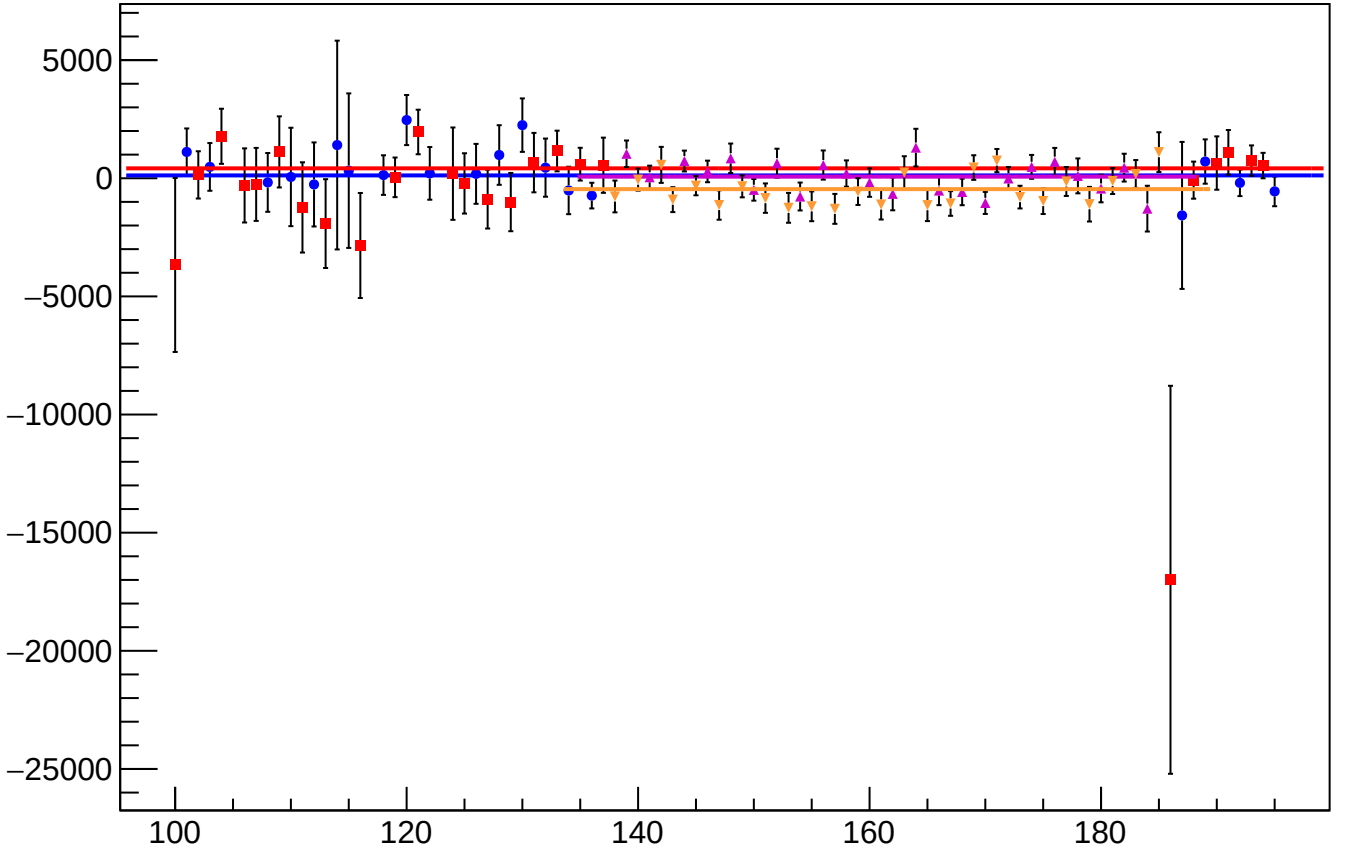
Right: 672.106+/-0.108 χ^2/NDF: 3078900.3/44

In: 550.691+/-0.075 χ^2/NDF:2570833.4/42

Out: 549.855+/-0.073 χ^2/NDF:3591668.7/49

All: 550.258+/-0.052 χ^2/NDF: 6162565.8/92

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 120.188+/-220.954 χ^2/NDF: 15.3/19

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 419.774+/-209.531 χ^2/NDF: 19.9/24

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

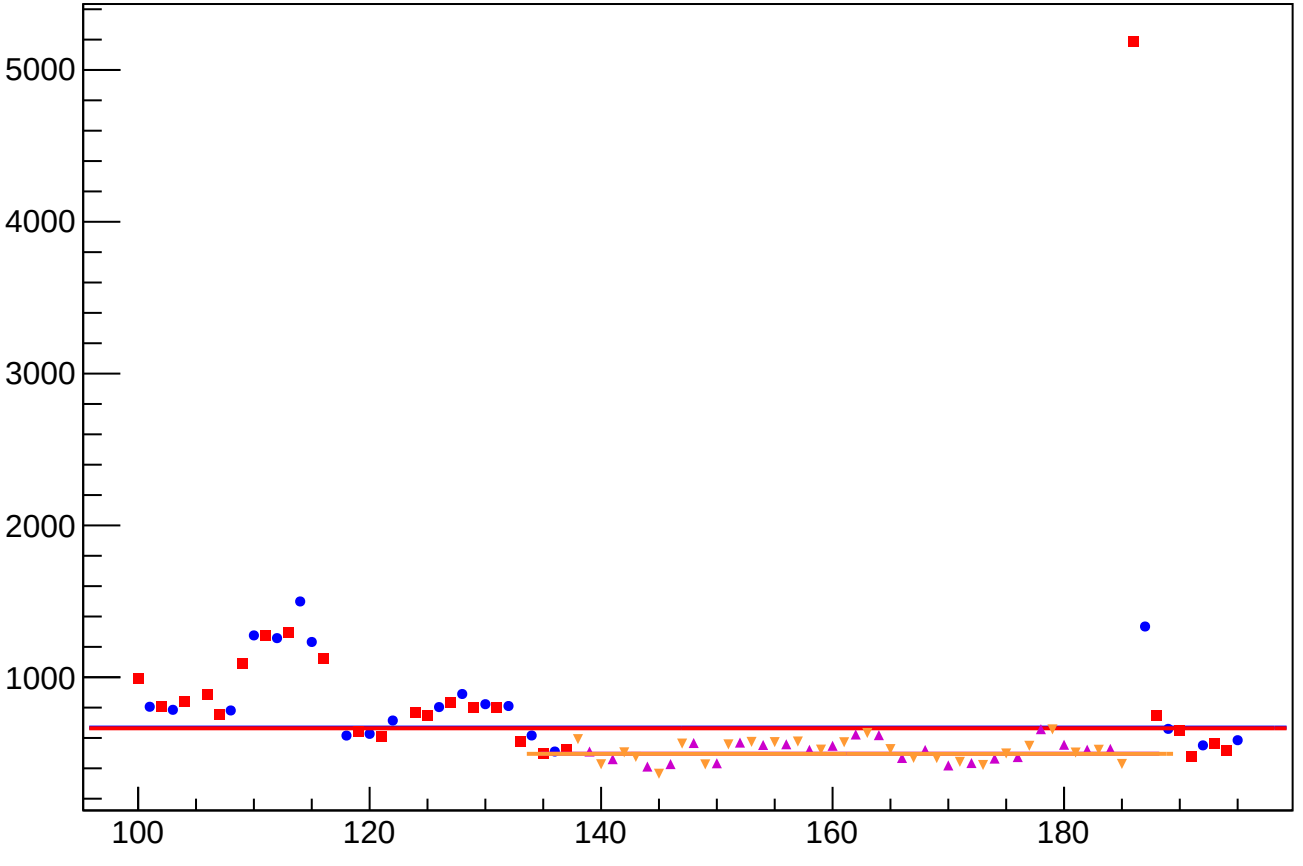
Right: 277.925+/-152.039 χ^2/NDF: 36.2/44

In: 79.518+/-103.651 χ^2/NDF:44.0/42

Out: -258.317+/-100.296 χ^2/NDF:64.3/49

All: -94.956+/-72.077 χ^2/NDF: 113.8/92

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 668.388+/-0.156 χ^2/NDF: 1151776.7/19

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 663.646+/-0.148 χ^2/NDF: 2008678.8/24

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

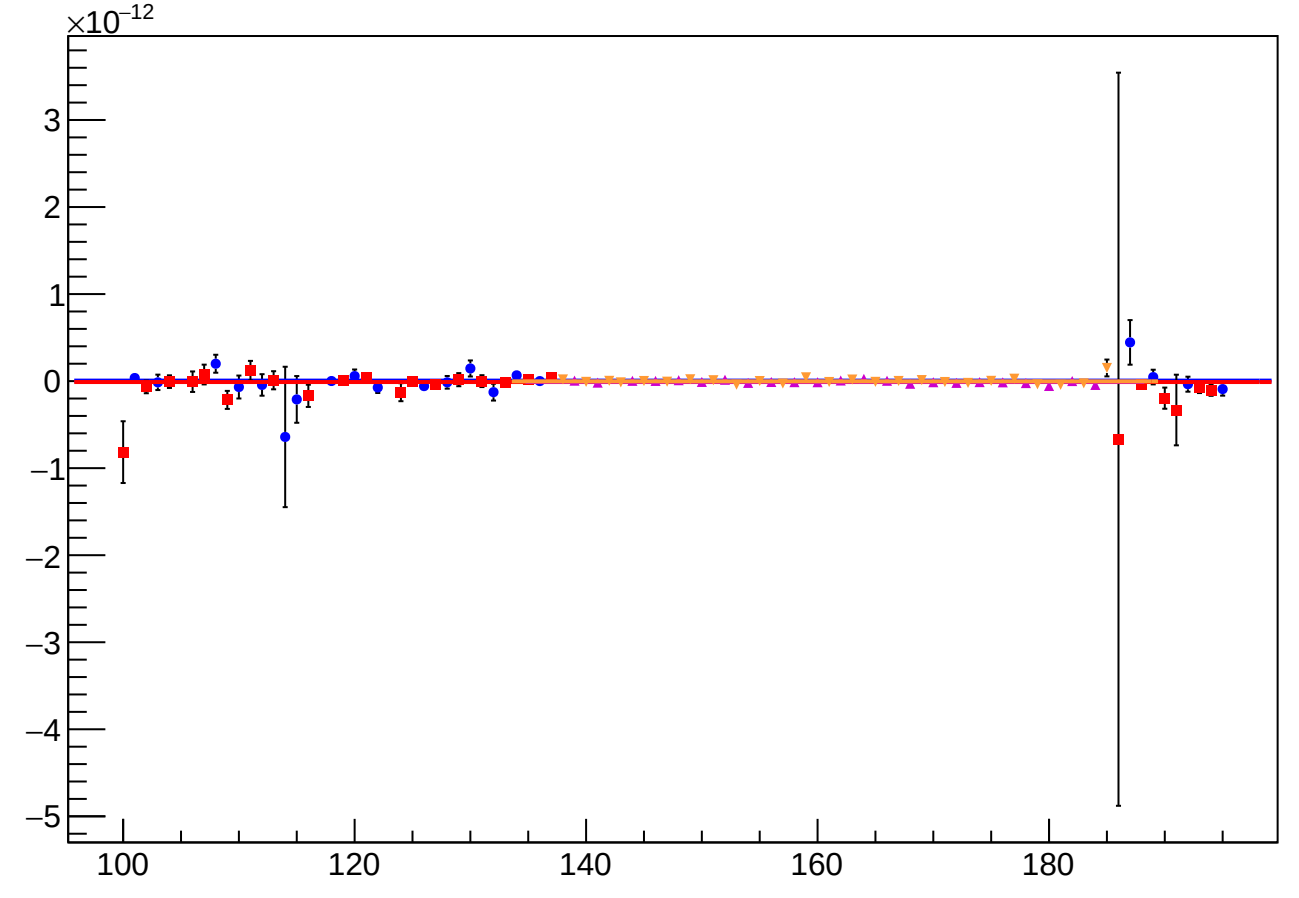
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 665.891+/-0.108 χ^2/NDF: 3160940.7/44

In: 534.176+/-0.073 χ^2/NDF:2720266.8/42

Out: 534.037+/-0.071 χ^2/NDF:3806040.2/49

All: 534.104+/-0.051 χ^2/NDF: 6526308.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/24

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

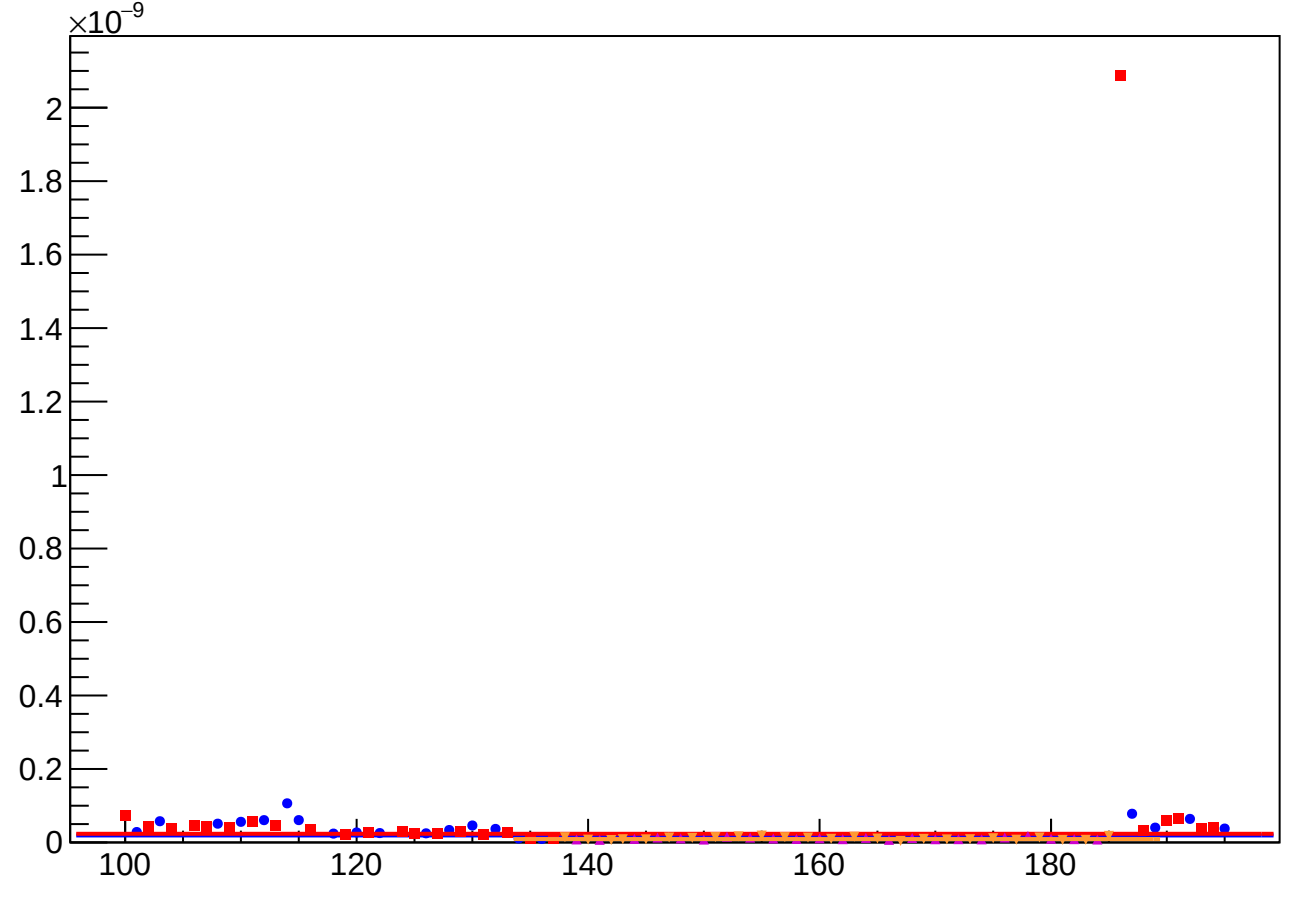
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.8/44

In: -0.000+/-0.000 χ^2/NDF:39.3/42

Out: -0.000+/-0.000 χ^2/NDF:49.9/49

All: -0.000+/-0.000 χ^2/NDF: 89.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 3318435.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2675712.0/24

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

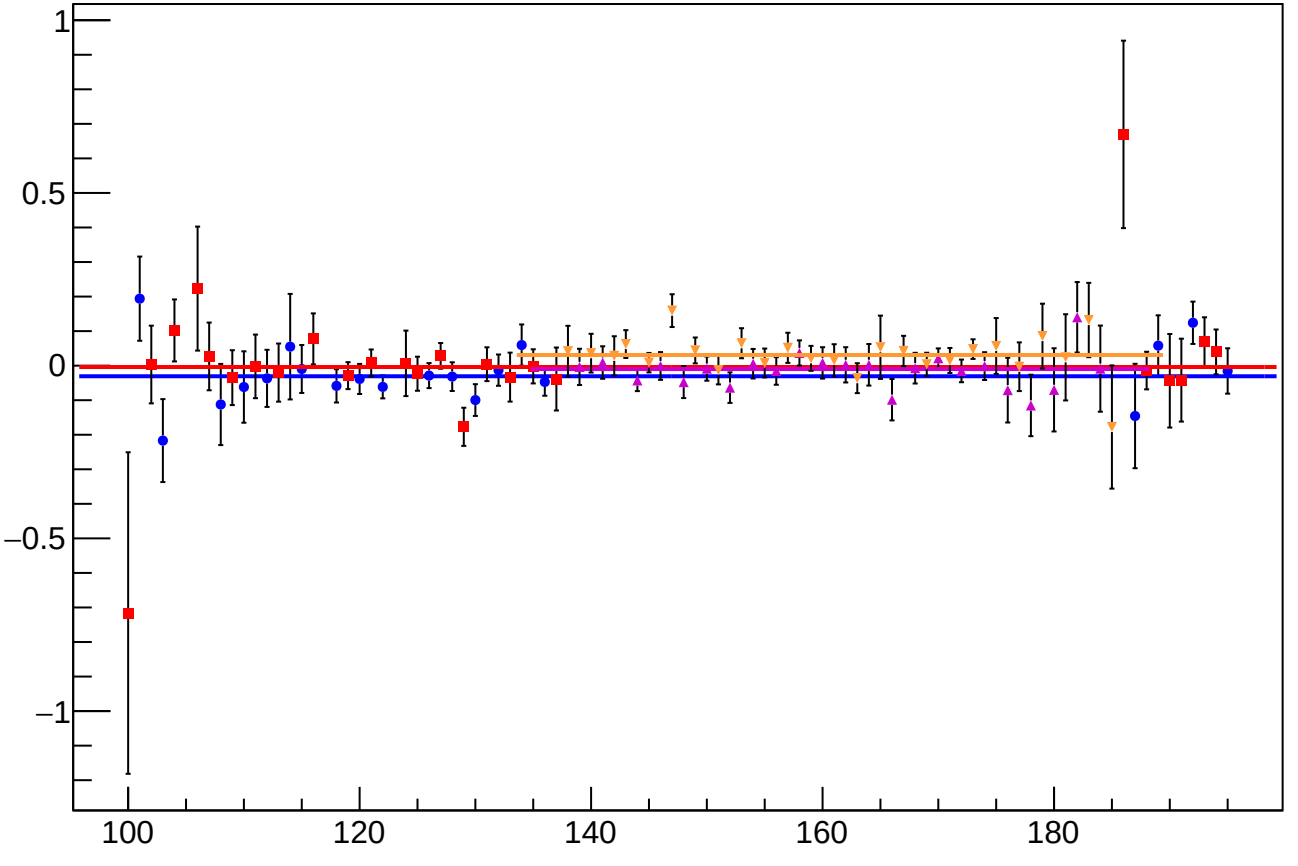
Right: 0.000+/-0.000 χ^2/NDF: 6138818.1/44

In: 0.000+/-0.000 χ^2/NDF:5184929.5/42

Out: 0.000+/-0.000 χ^2/NDF:6957218.4/49

All: 0.000+/-0.000 χ^2/NDF: 12156202.5/92

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

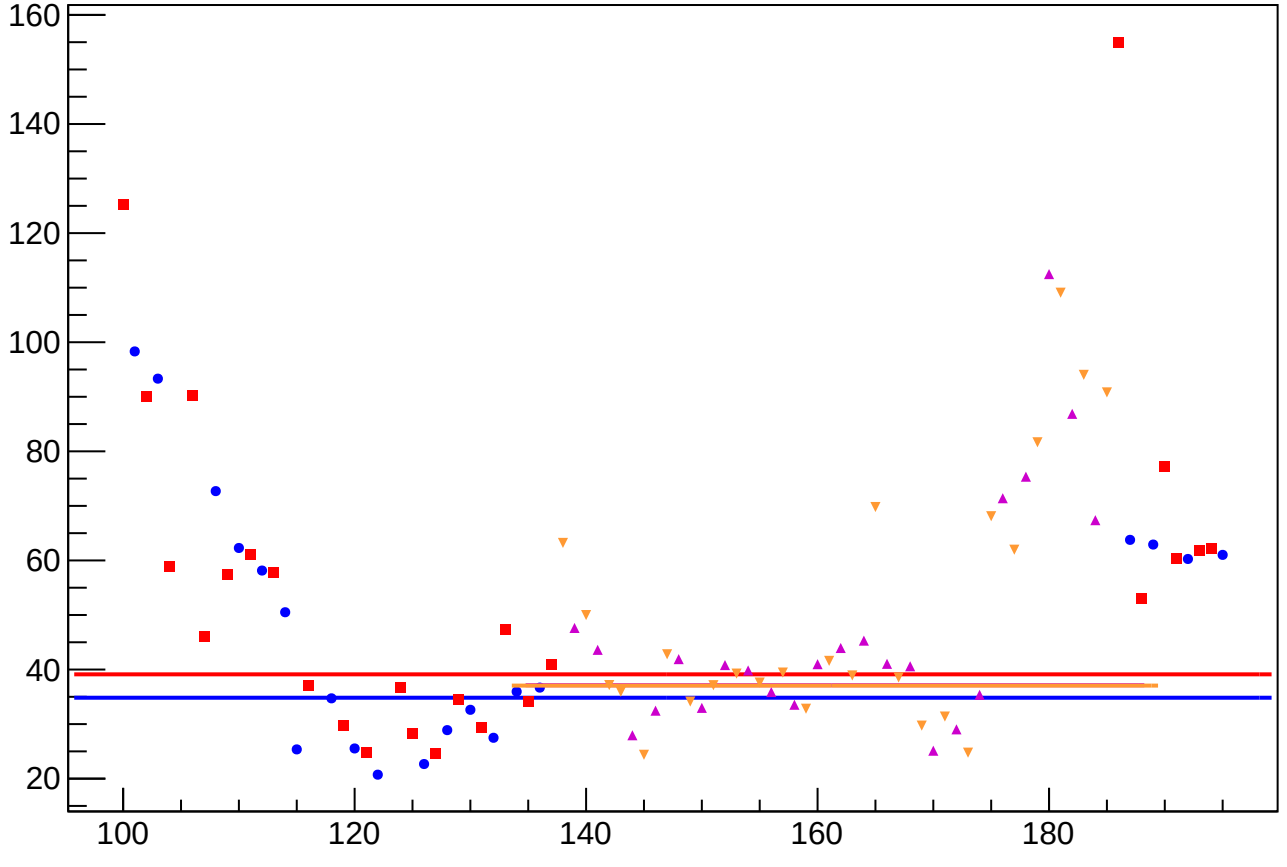
Right: -0.018+/-0.009 χ^2/NDF: 49.5/44

In: -0.017+/-0.007 χ^2/NDF:36.0/42

Out: 0.019+/-0.007 χ^2/NDF:48.9/49

All: 0.001+/-0.005 χ^2/NDF: 96.9/92

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.834+/-0.009 χ^2/NDF: 3303196.3/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 39.121+/-0.009 χ^2/NDF: 3177252.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

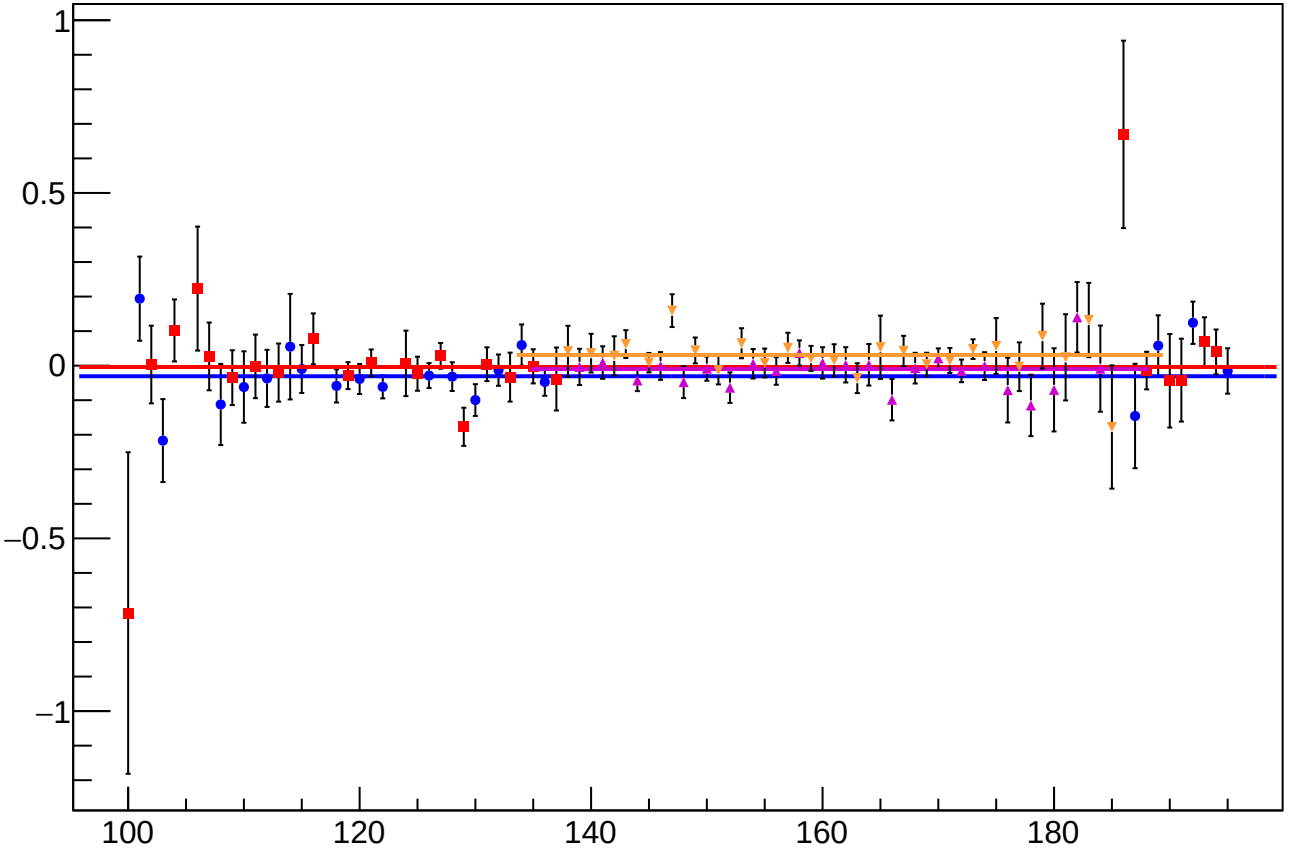
Right: 36.882+/-0.006 χ^2/NDF: 6593598.0/44

In: 36.298+/-0.005 χ^2/NDF:6359230.6/42

Out: 37.737+/-0.005 χ^2/NDF:7264644.2/49

All: 37.019+/-0.004 χ^2/NDF: 13660874.5/92

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

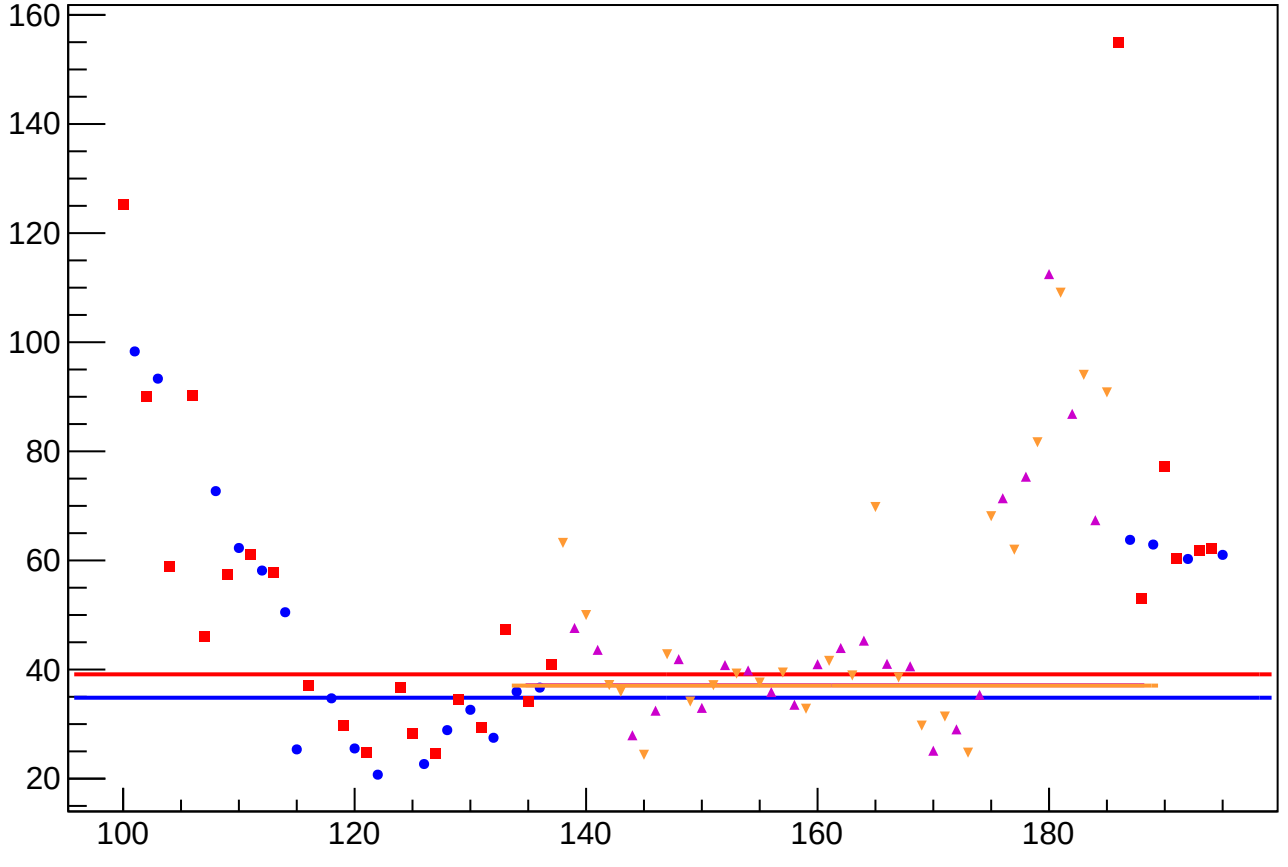
Right: -0.018+/-0.009 χ^2/NDF: 49.5/44

In: -0.017+/-0.007 χ^2/NDF:36.0/42

Out: 0.019+/-0.007 χ^2/NDF:48.9/49

All: 0.001+/-0.005 χ^2/NDF: 96.9/92

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.834+/-0.009 χ^2/NDF: 3303196.3/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 39.121+/-0.009 χ^2/NDF: 3177252.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

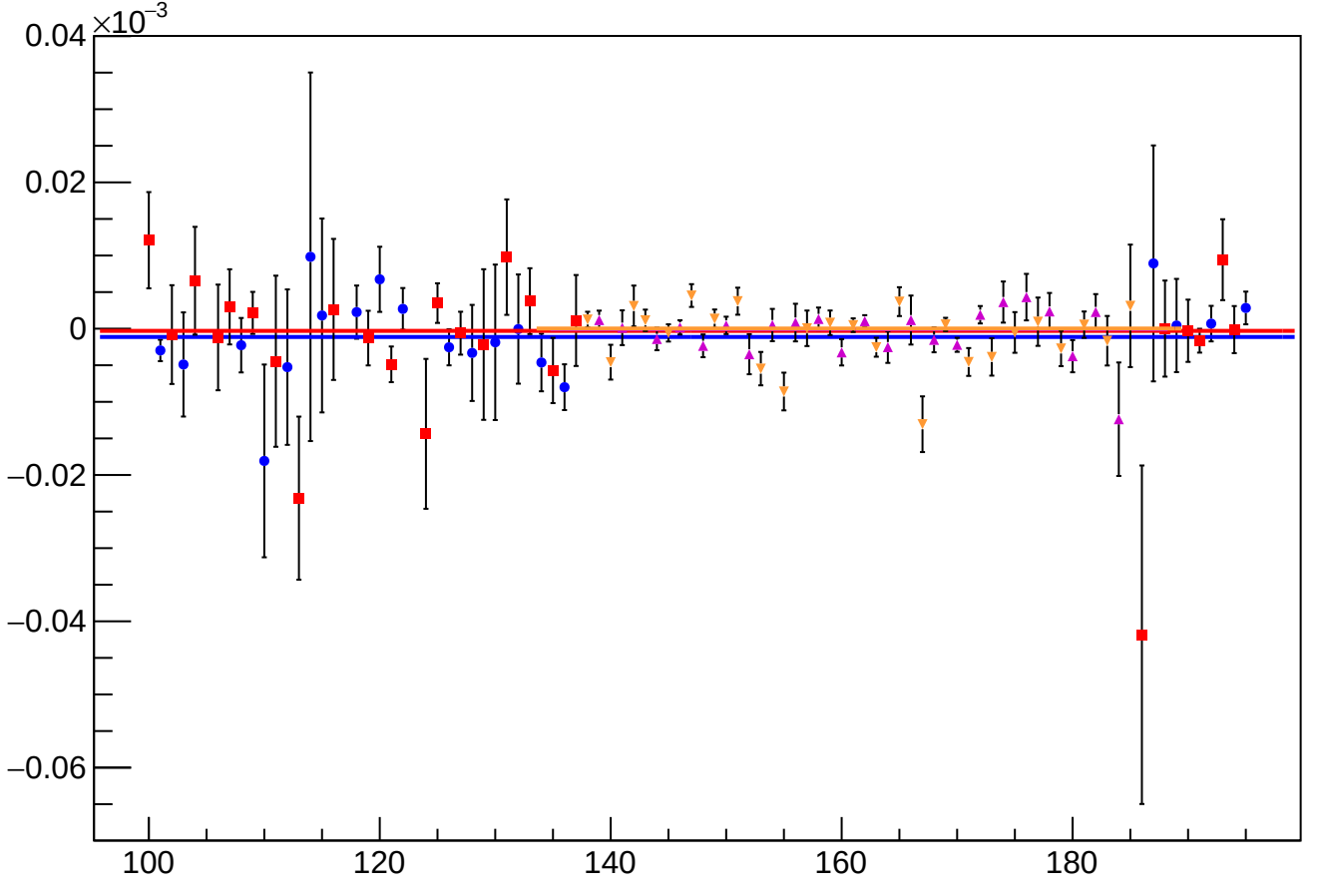
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 36.882+/-0.006 χ^2/NDF: 6593598.0/44

In: 36.298+/-0.005 χ^2/NDF:6359230.6/42

Out: 37.737+/-0.005 χ^2/NDF:7264644.2/49

All: 37.019+/-0.004 χ^2/NDF: 13660874.5/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

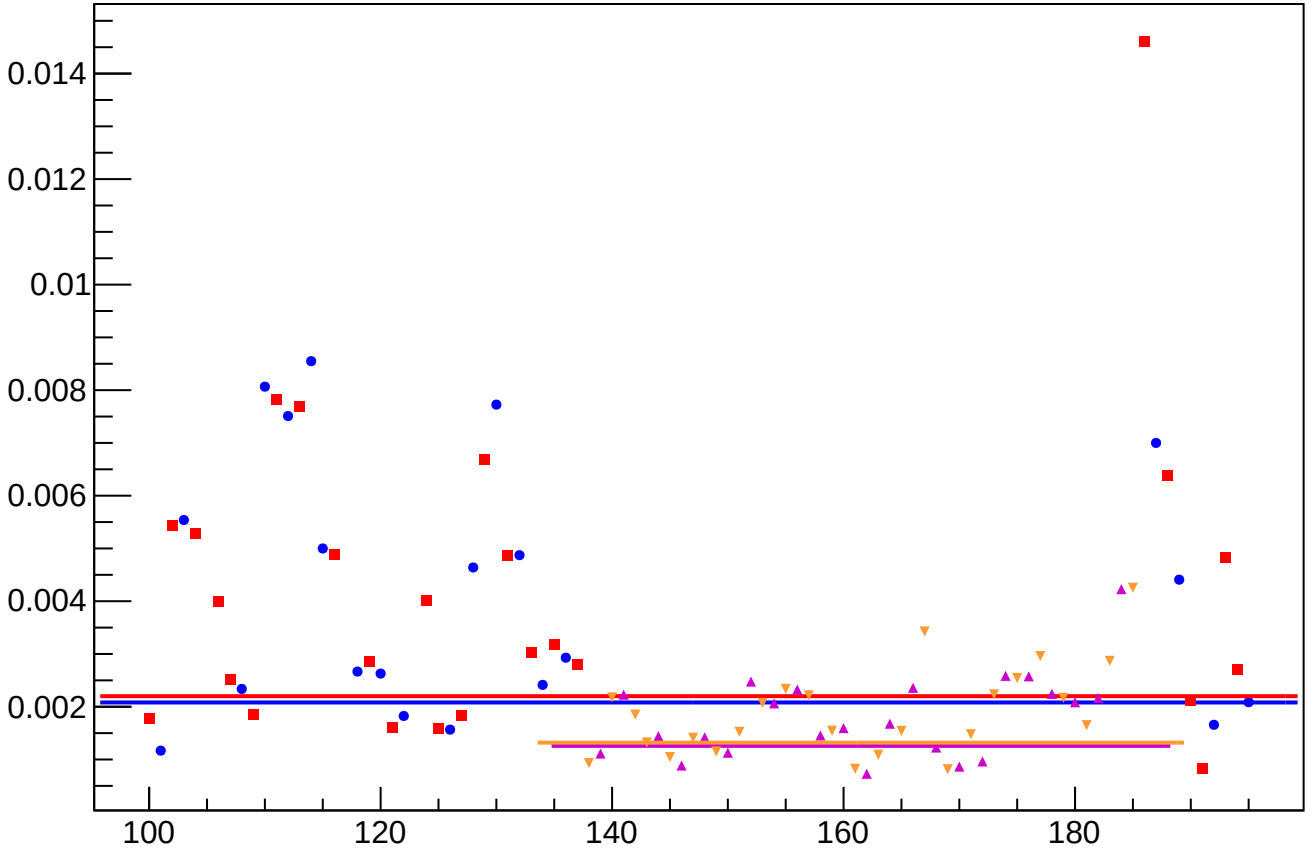
Right: -0.000+/-0.000 χ^2/NDF: 49.0/44

In: -0.000+/-0.000 χ^2/NDF:53.7/42

Out: -0.000+/-0.000 χ^2/NDF:96.2/49

All: -0.000+/-0.000 χ^2/NDF: 150.2/92

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4430243.9/19

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6557644.5/24

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

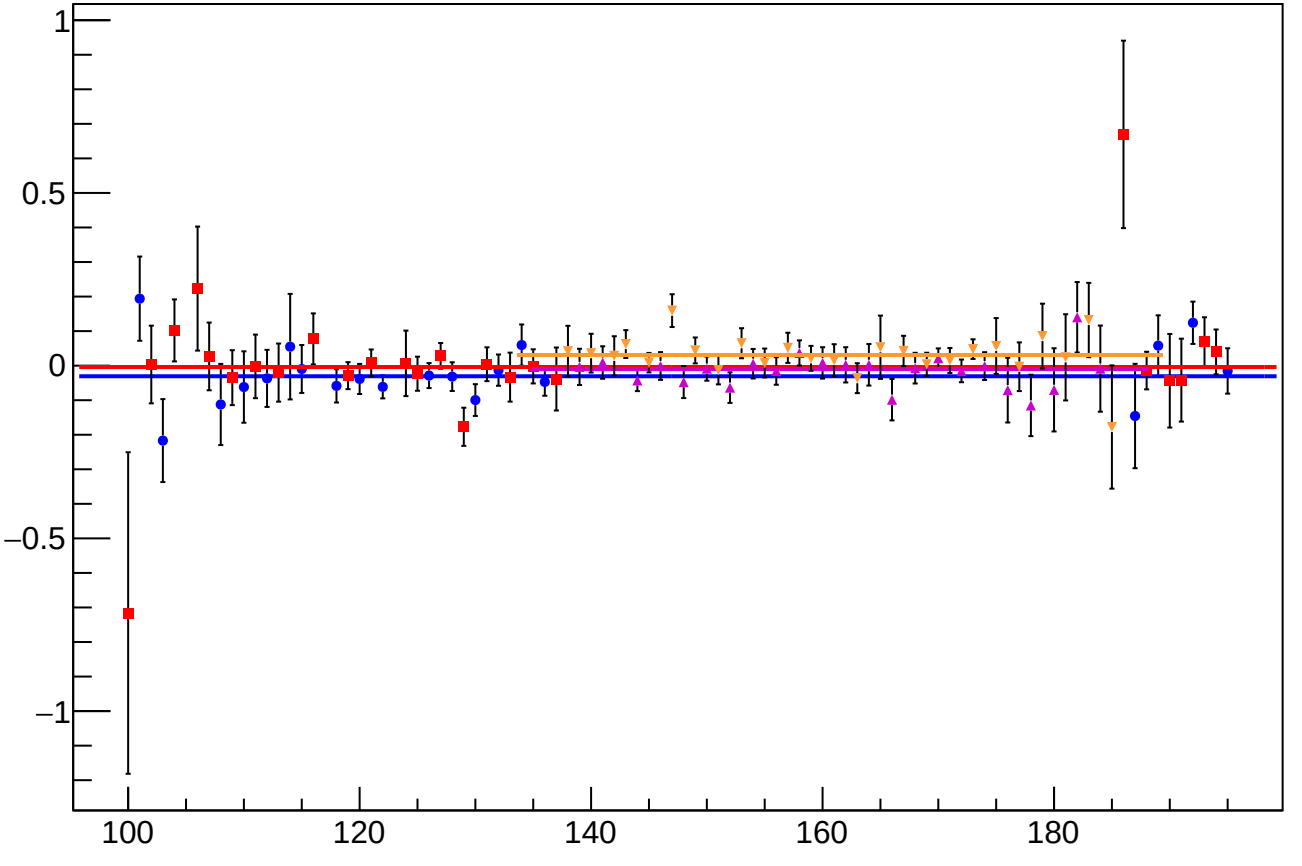
Right: 0.002+/-0.000 χ^2/NDF: 11010056.9/44

In: 0.001+/-0.000 χ^2/NDF:11652507.0/42

Out: 0.001+/-0.000 χ^2/NDF:14193157.7/49

All: 0.001+/-0.000 χ^2/NDF: 25891328.2/92

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

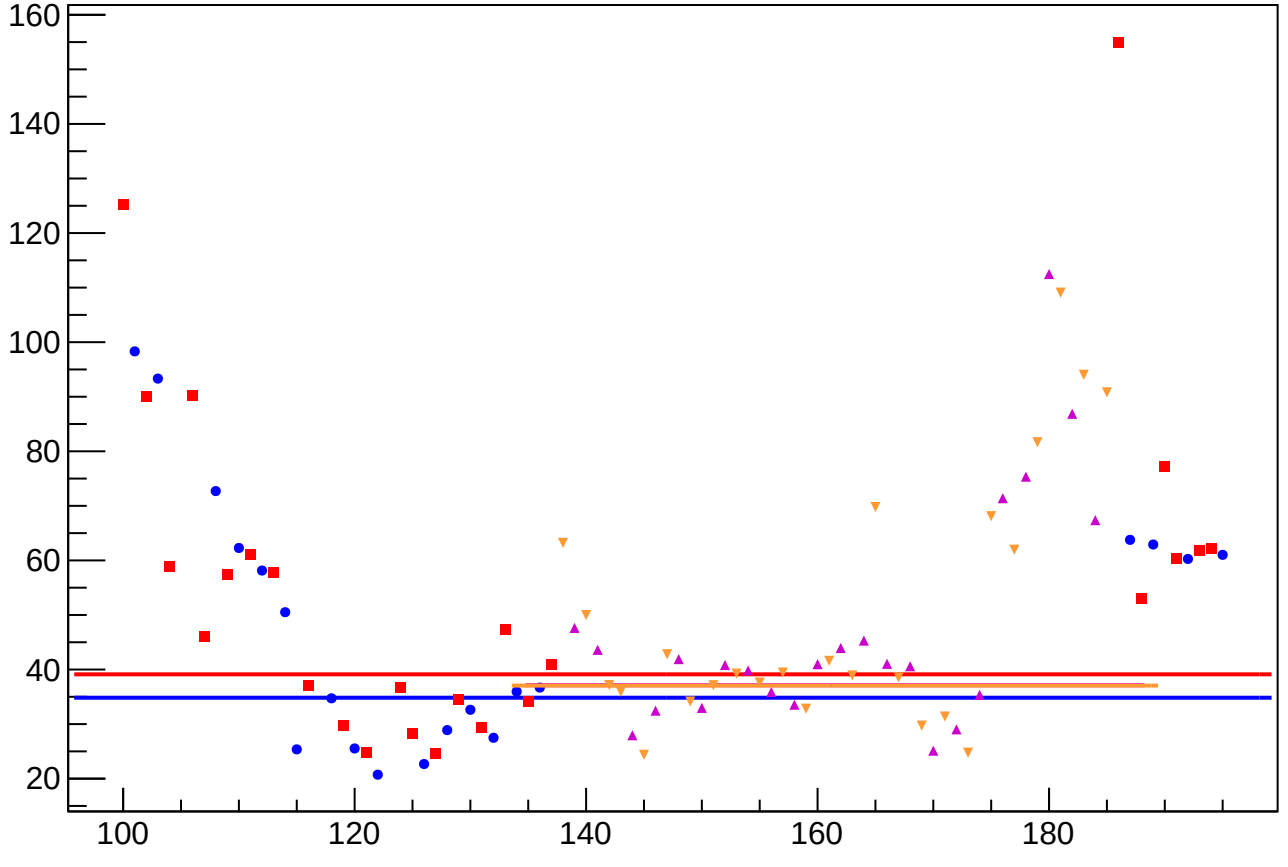
Right: -0.018+/-0.009 χ^2/NDF: 49.5/44

In: -0.017+/-0.007 χ^2/NDF:36.0/42

Out: 0.019+/-0.007 χ^2/NDF:48.9/49

All: 0.001+/-0.005 χ^2/NDF: 96.9/92

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.835+/-0.009 χ^2/NDF: 3303154.2/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 39.121+/-0.009 χ^2/NDF: 3177090.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

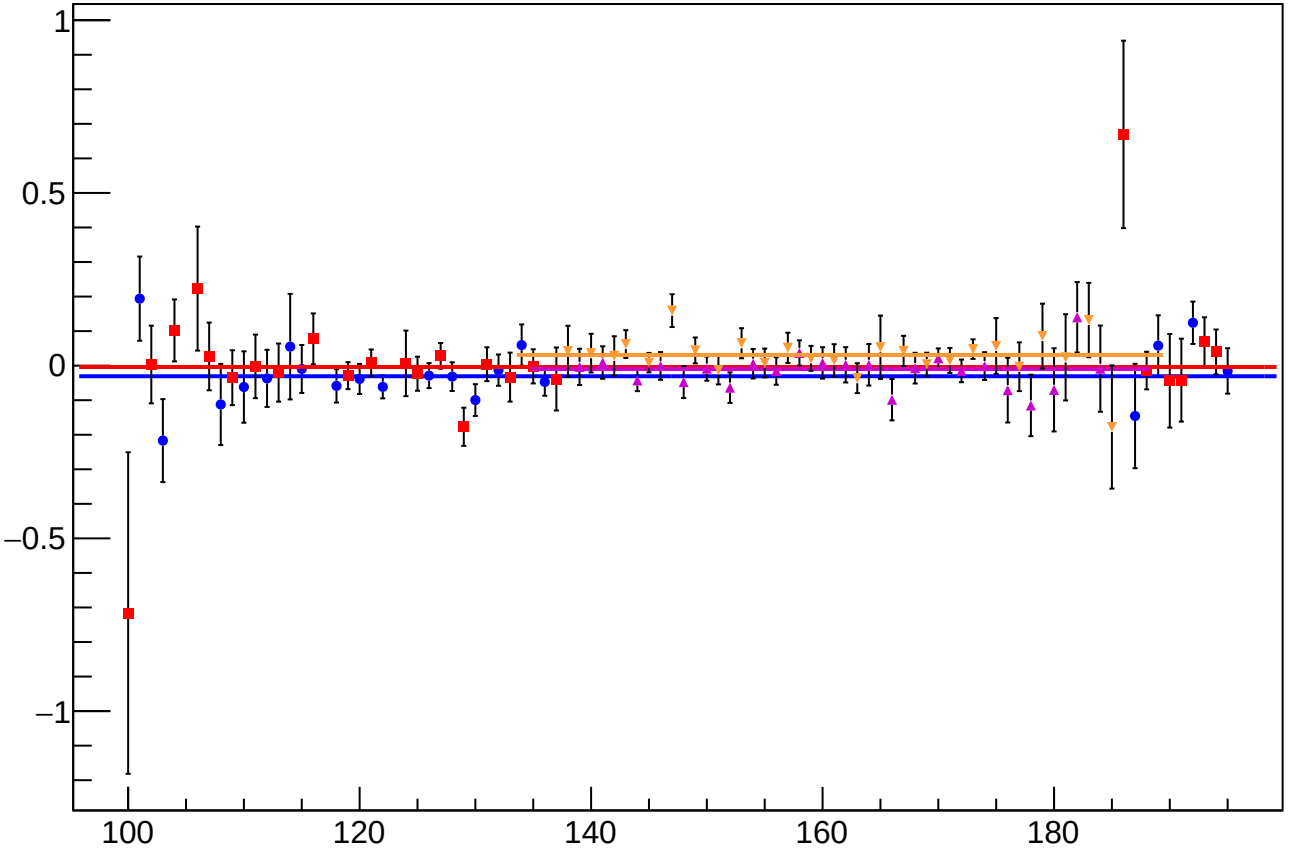
Right: 36.883+/-0.006 χ^2/NDF: 6593397.1/44

In: 36.298+/-0.005 χ^2/NDF:6359143.7/42

Out: 37.737+/-0.005 χ^2/NDF:7264507.3/49

All: 37.019+/-0.004 χ^2/NDF: 13660651.1/92

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.012 χ^2/NDF: 20.9/19

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

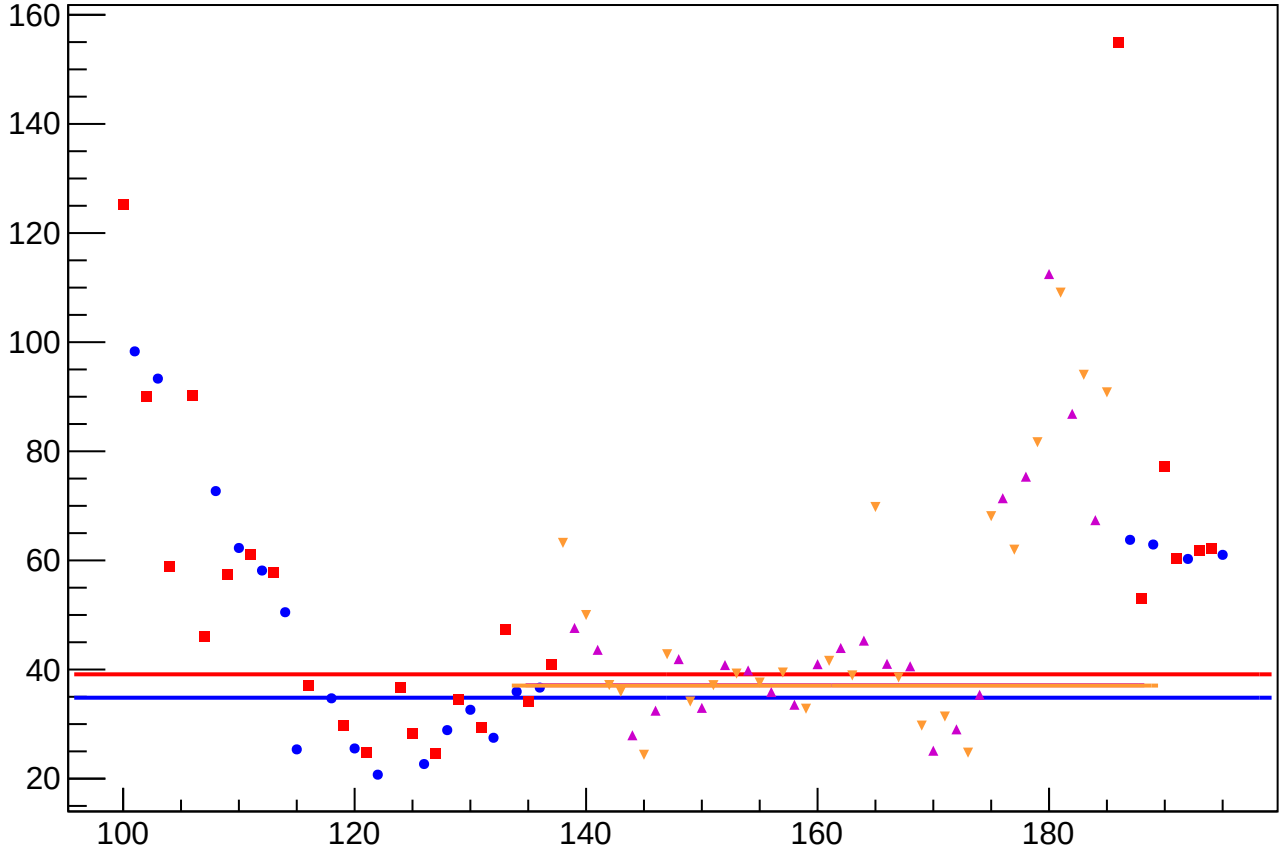
Right: -0.018+/-0.009 χ^2/NDF: 49.5/44

In: -0.017+/-0.007 χ^2/NDF:36.0/42

Out: 0.019+/-0.007 χ^2/NDF:48.9/49

All: 0.001+/-0.005 χ^2/NDF: 96.9/92

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.835+/-0.009 χ^2/NDF: 3303154.2/19

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 39.121+/-0.009 χ^2/NDF: 3177090.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

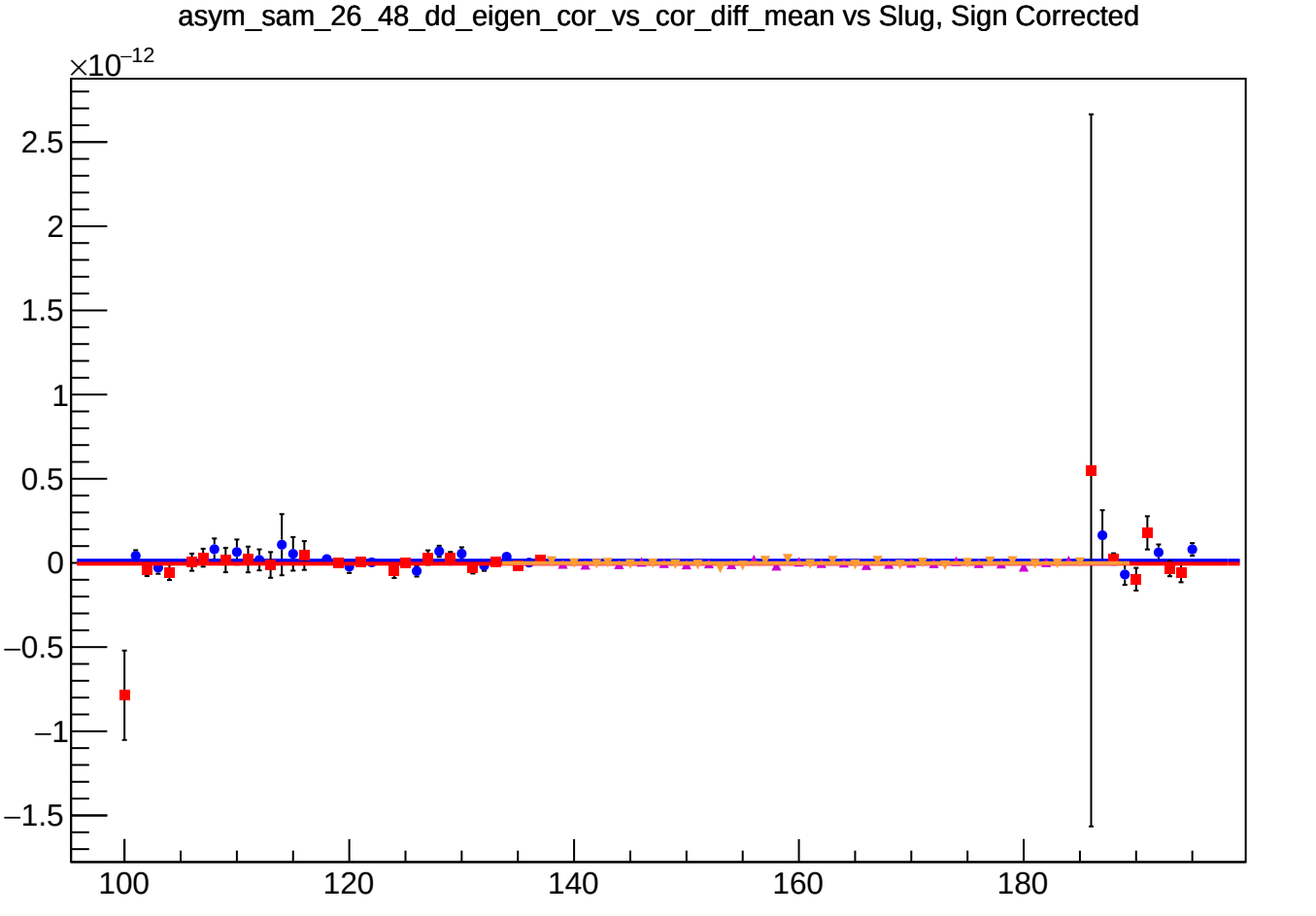
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 36.883+/-0.006 χ^2/NDF: 6593397.1/44

In: 36.298+/-0.005 χ^2/NDF:6359143.7/42

Out: 37.737+/-0.005 χ^2/NDF:7264507.3/49

All: 37.019+/-0.004 χ^2/NDF: 13660651.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/24

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

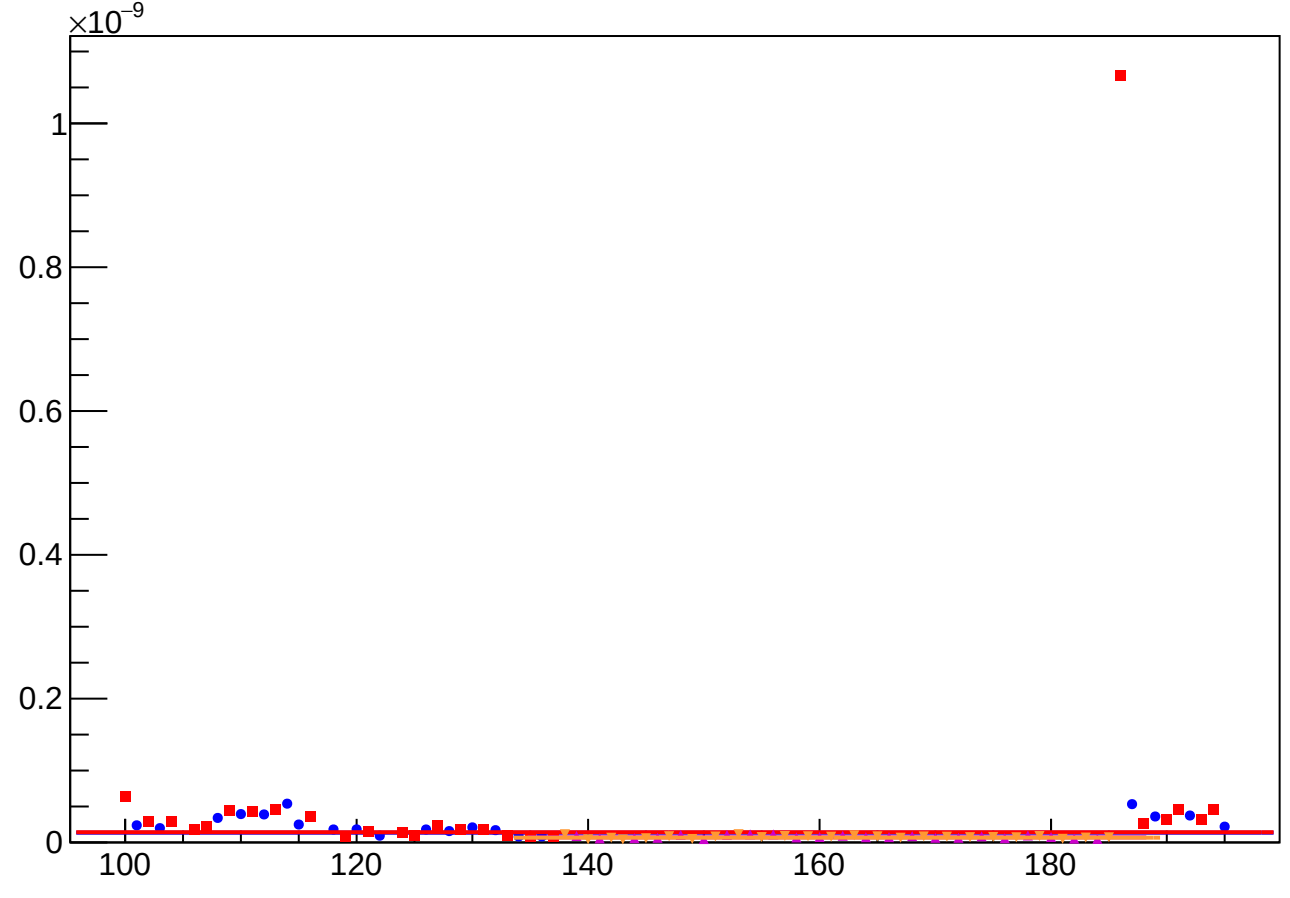
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 53.3/44

In: -0.000+/-0.000 χ^2/NDF:51.1/42

Out: -0.000+/-0.000 χ^2/NDF:51.2/49

All: -0.000+/-0.000 χ^2/NDF: 102.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 3233554.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4898188.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

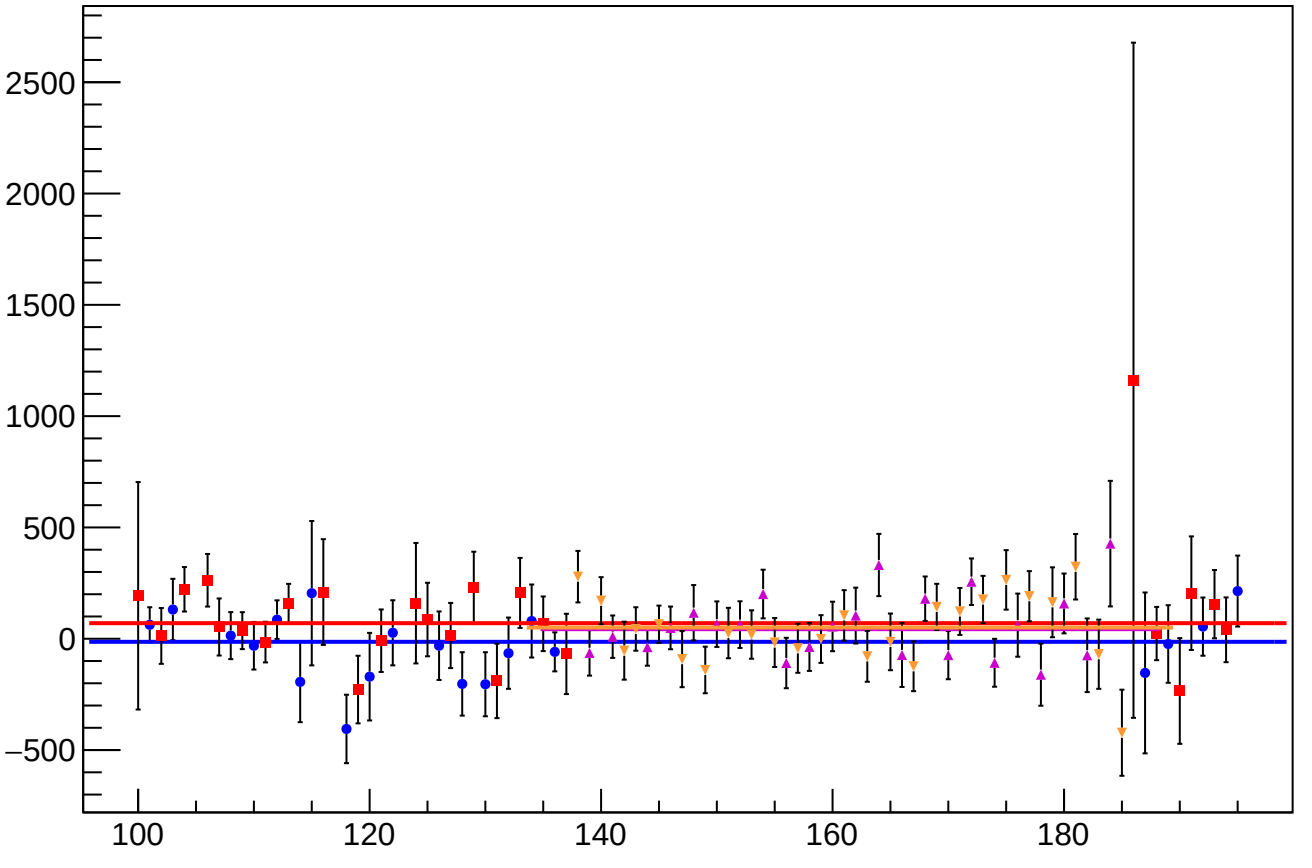
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8142154.7/44

In: 0.000+/-0.000 χ^2/NDF:6606981.4/42

Out: 0.000+/-0.000 χ^2/NDF:9426079.7/49

All: 0.000+/-0.000 χ^2/NDF: 16082174.9/92



Right In: -13.782+/-29.313 χ^2/NDF: 18.8/19

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 69.979+/-27.639 χ^2/NDF: 19.8/24

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

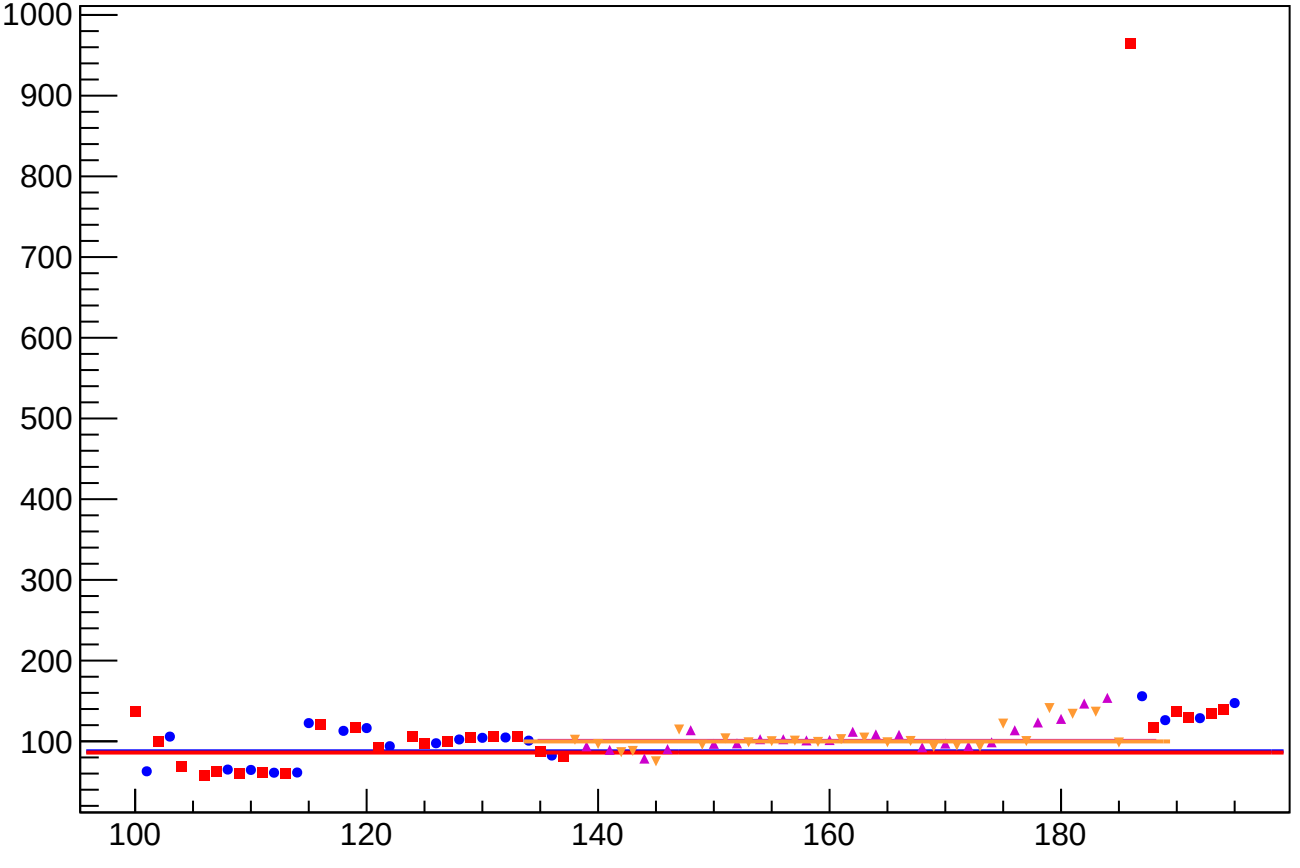
Right: 30.558+/-20.109 χ^2/NDF: 42.9/44

In: 20.503+/-18.457 χ^2/NDF:47.7/42

Out: 58.342+/-17.660 χ^2/NDF:53.5/49

All: 40.257+/-12.760 χ^2/NDF: 103.4/92

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 87.599+/-0.021 χ^2/NDF: 1519724.7/19

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 86.045+/-0.020 χ^2/NDF: 2483135.6/24

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

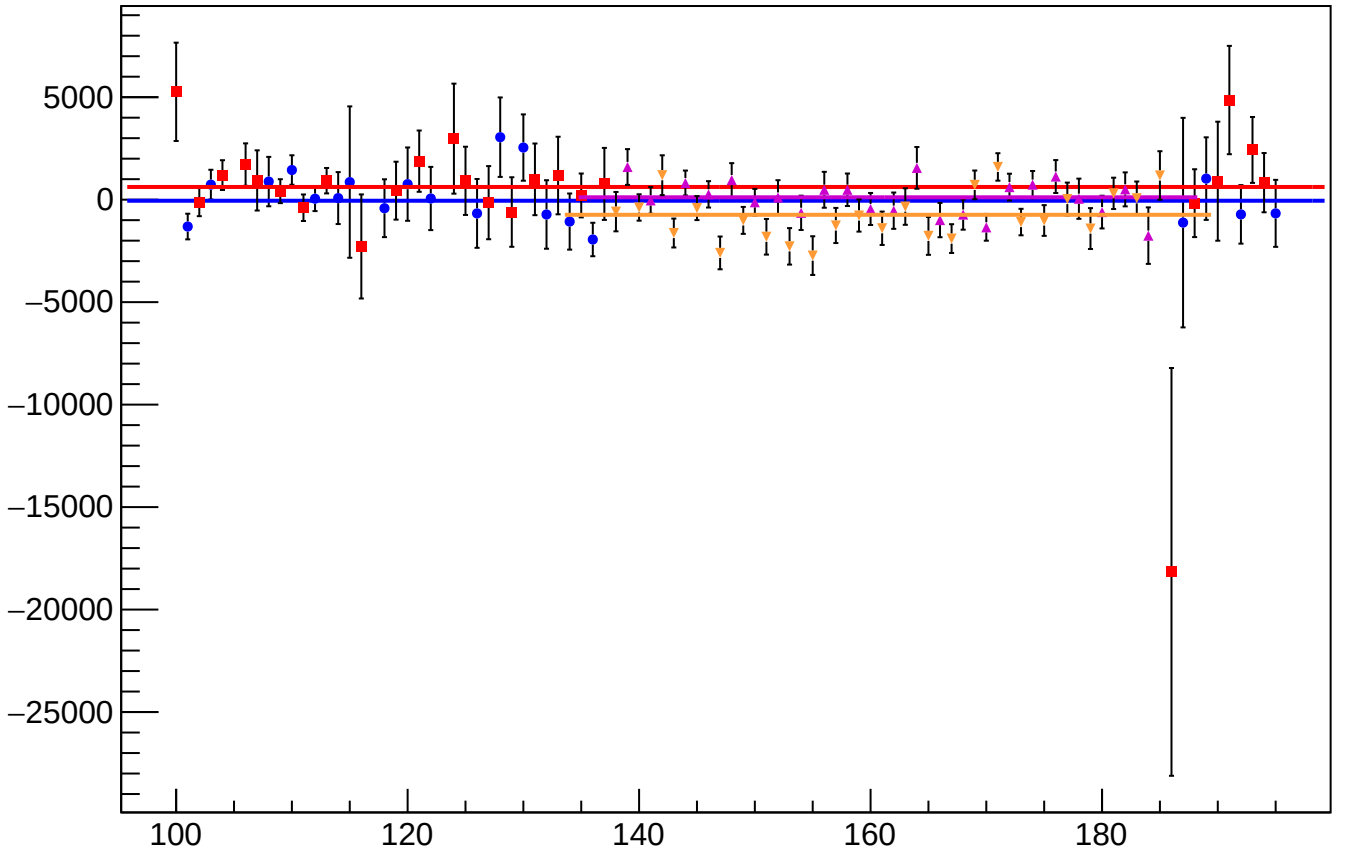
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 86.776+/-0.014 χ^2/NDF: 4005837.2/44

In: 95.384+/-0.013 χ^2/NDF:2410305.5/42

Out: 94.207+/-0.012 χ^2/NDF:3475692.5/49

All: 94.770+/-0.009 χ^2/NDF: 5890241.9/92



Right In: -52.298+/-247.765 χ^2/NDF: 22.6/19

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 619.596+/-228.911 χ^2/NDF: 21.0/24

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

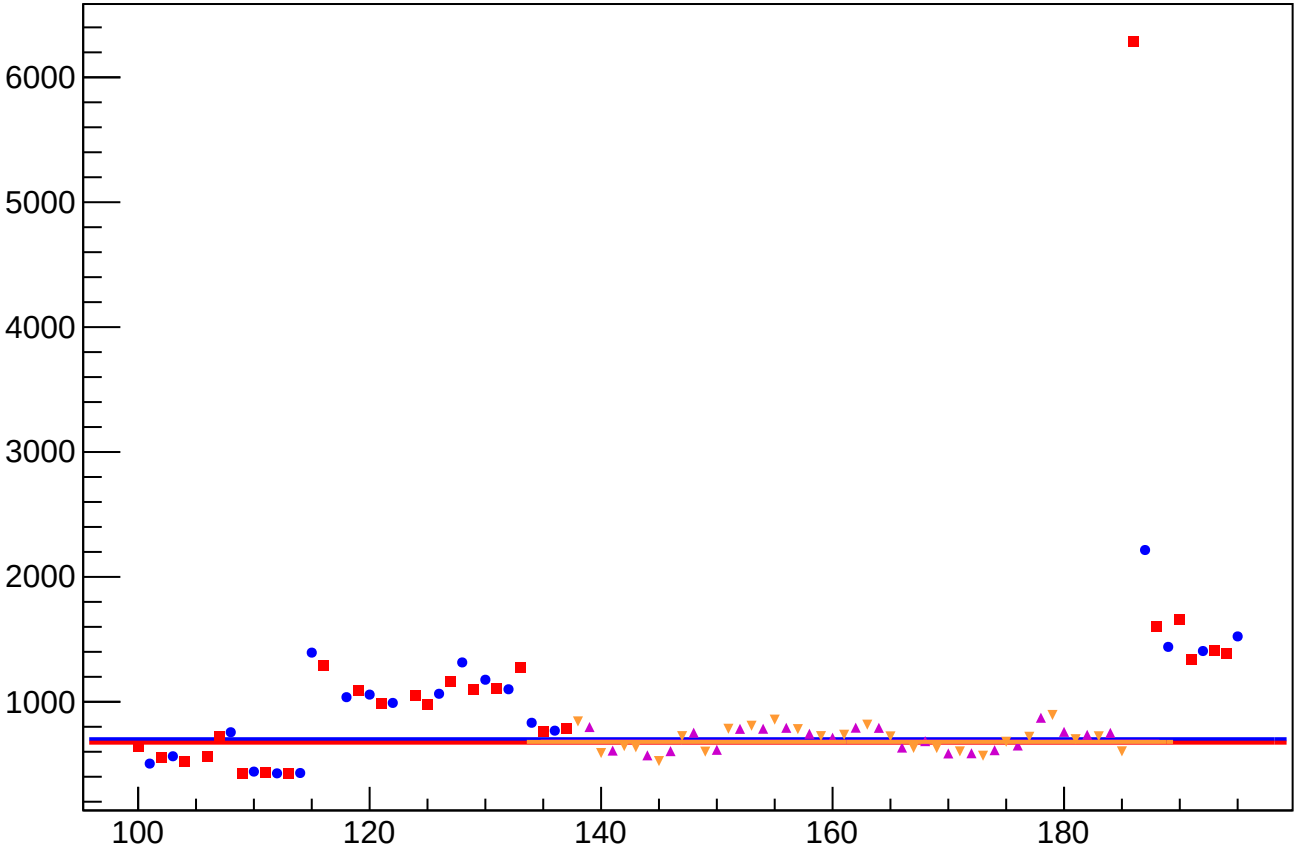
Right: 310.183+/-168.135 χ^2/NDF: 47.5/44

In: 65.785+/-134.995 χ^2/NDF:46.6/42

Out: -306.531+/-129.087 χ^2/NDF:94.7/49

All: -128.699+/-93.297 χ^2/NDF: 145.3/92

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 700.584+/-0.175 χ^2/NDF: 3421856.2/19

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 672.870+/-0.162 χ^2/NDF: 4775019.6/24

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

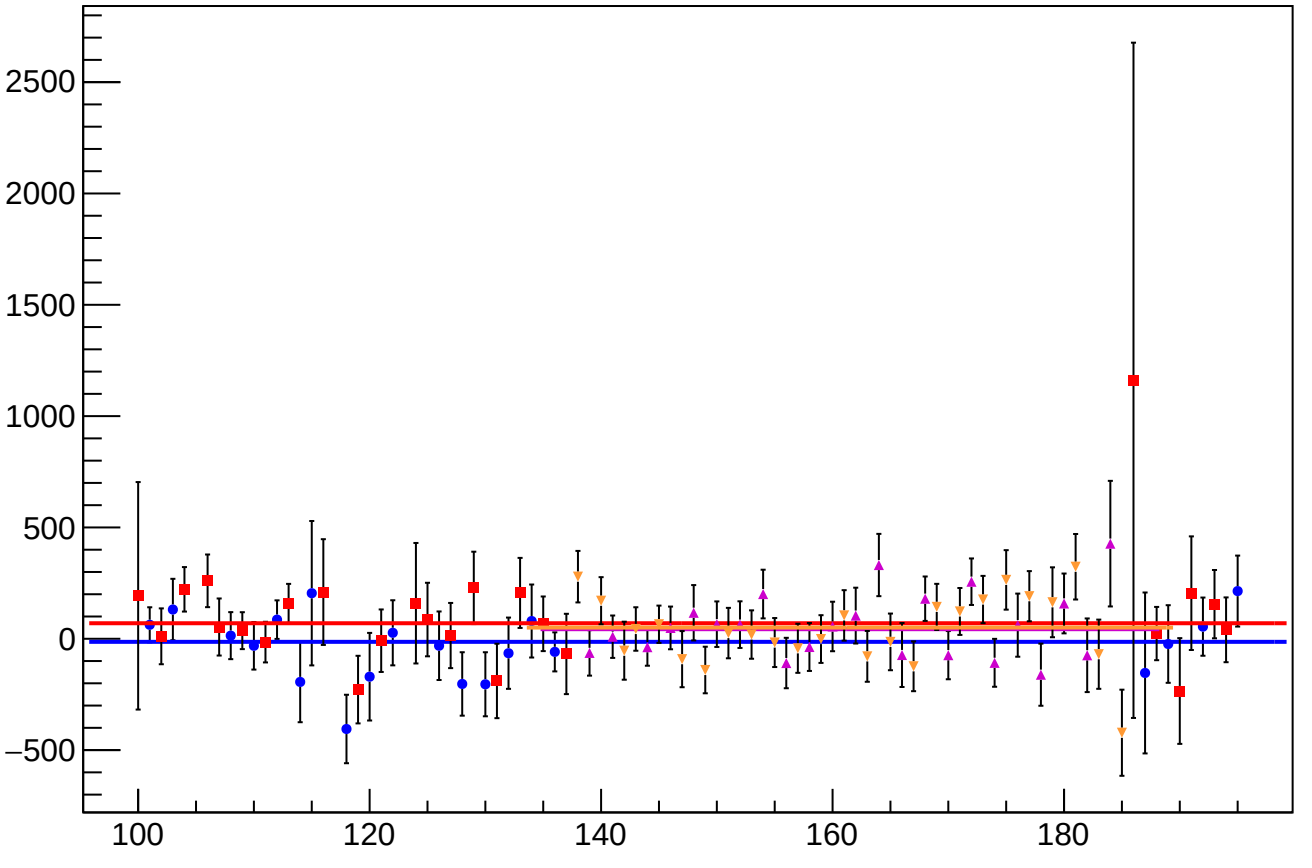
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 685.633+/-0.119 χ^2/NDF: 8210375.8/44

In: 687.442+/-0.095 χ^2/NDF:4003671.6/42

Out: 677.150+/-0.091 χ^2/NDF:5513464.6/49

All: 682.066+/-0.066 χ^2/NDF: 9523207.9/92



Right In: -13.783+/-29.313 χ^2/NDF: 18.8/19

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 69.752+/-27.640 χ^2/NDF: 19.7/24

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

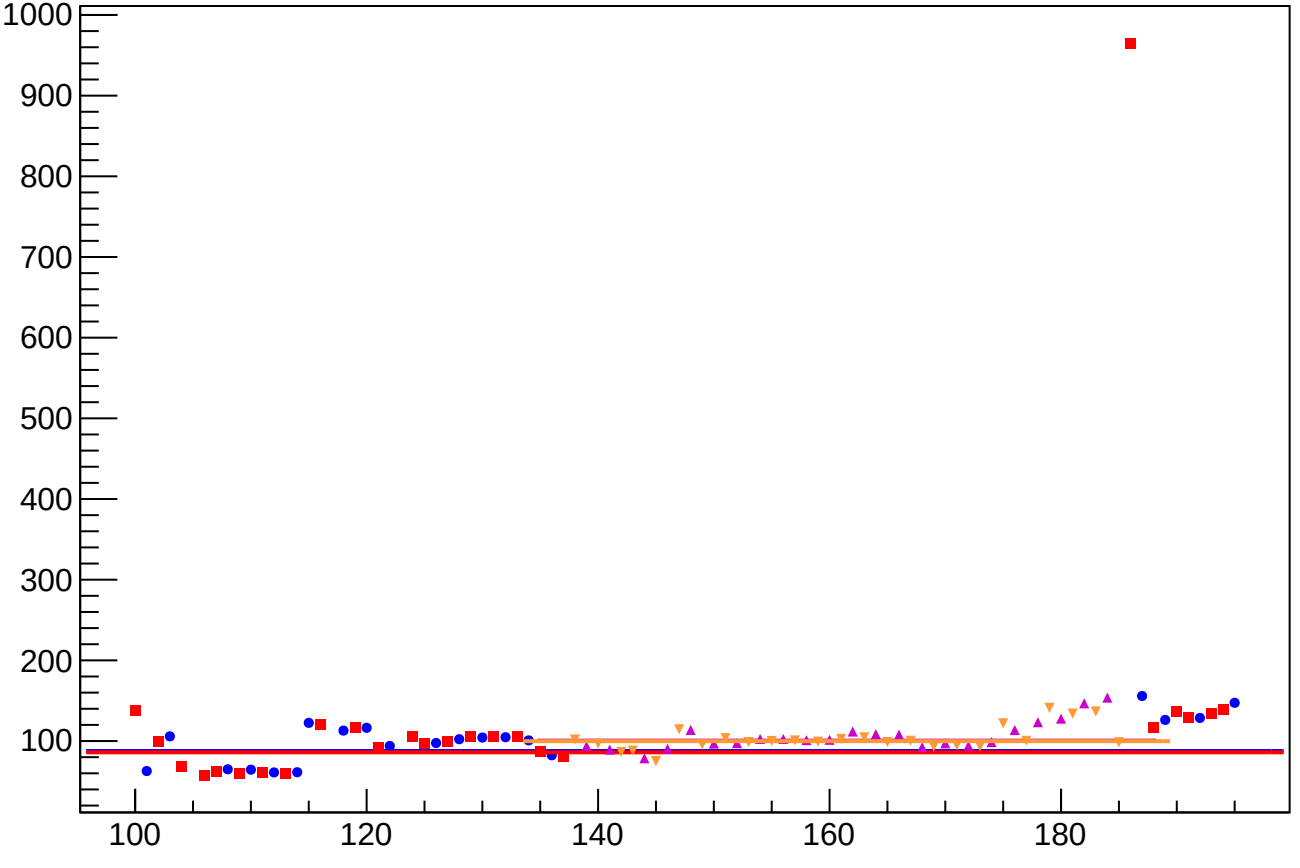
Right: 30.436+/-20.110 χ^2/NDF: 42.8/44

In: 20.503+/-18.457 χ^2/NDF:47.7/42

Out: 58.254+/-17.660 χ^2/NDF:53.4/49

All: 40.211+/-12.760 χ^2/NDF: 103.3/92

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 87.599+/-0.021 χ^2/NDF: 1519726.6/19

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 86.030+/-0.020 χ^2/NDF: 2485902.4/24

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

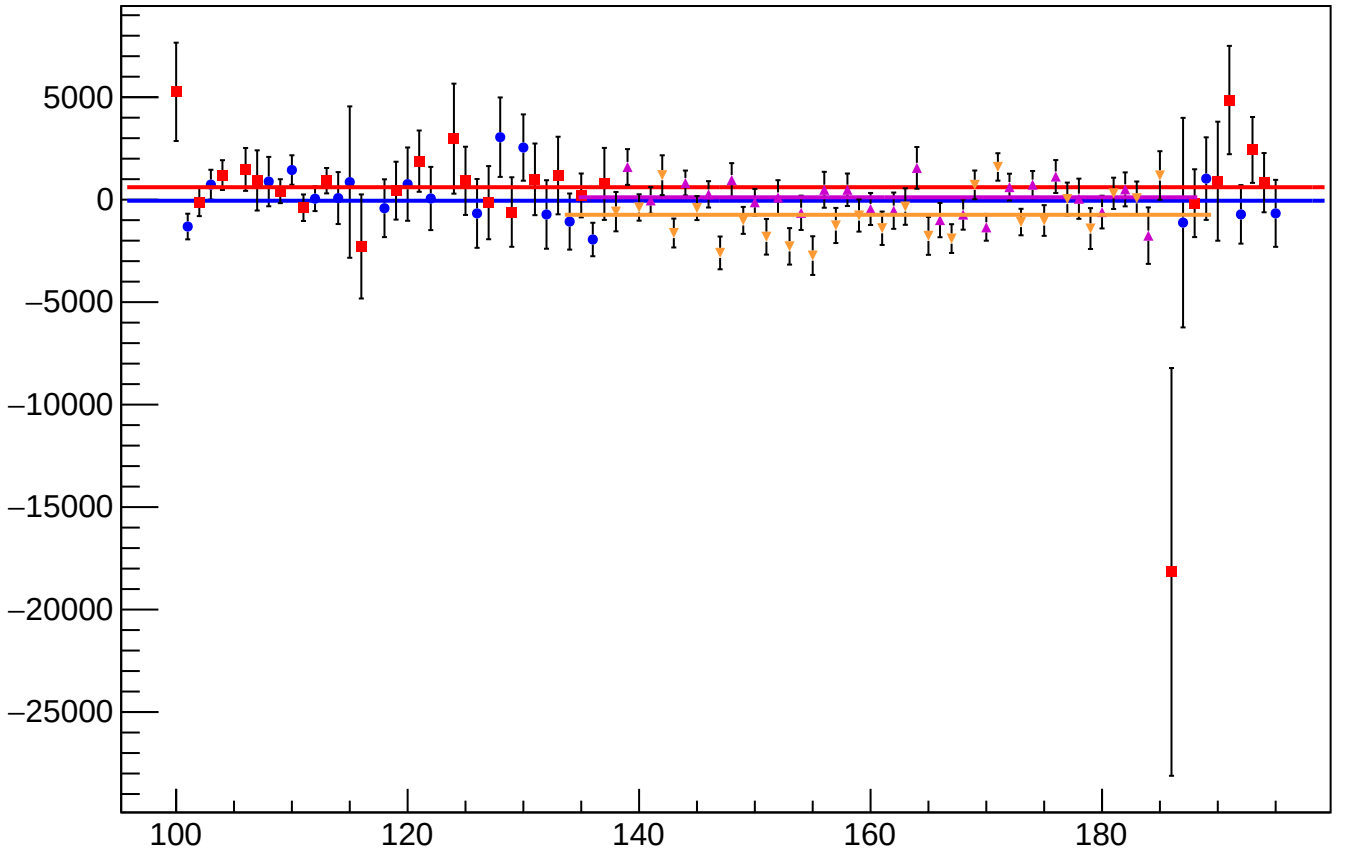
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 86.768+/-0.014 χ^2/NDF: 4008663.8/44

In: 95.384+/-0.013 χ^2/NDF:2410306.7/42

Out: 94.201+/-0.012 χ^2/NDF:3479086.0/49

All: 94.767+/-0.009 χ^2/NDF: 5893678.6/92



Right In: -52.323+/-247.768 χ^2/NDF: 22.6/19

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 607.737+/-229.042 χ^2/NDF: 20.6/24

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

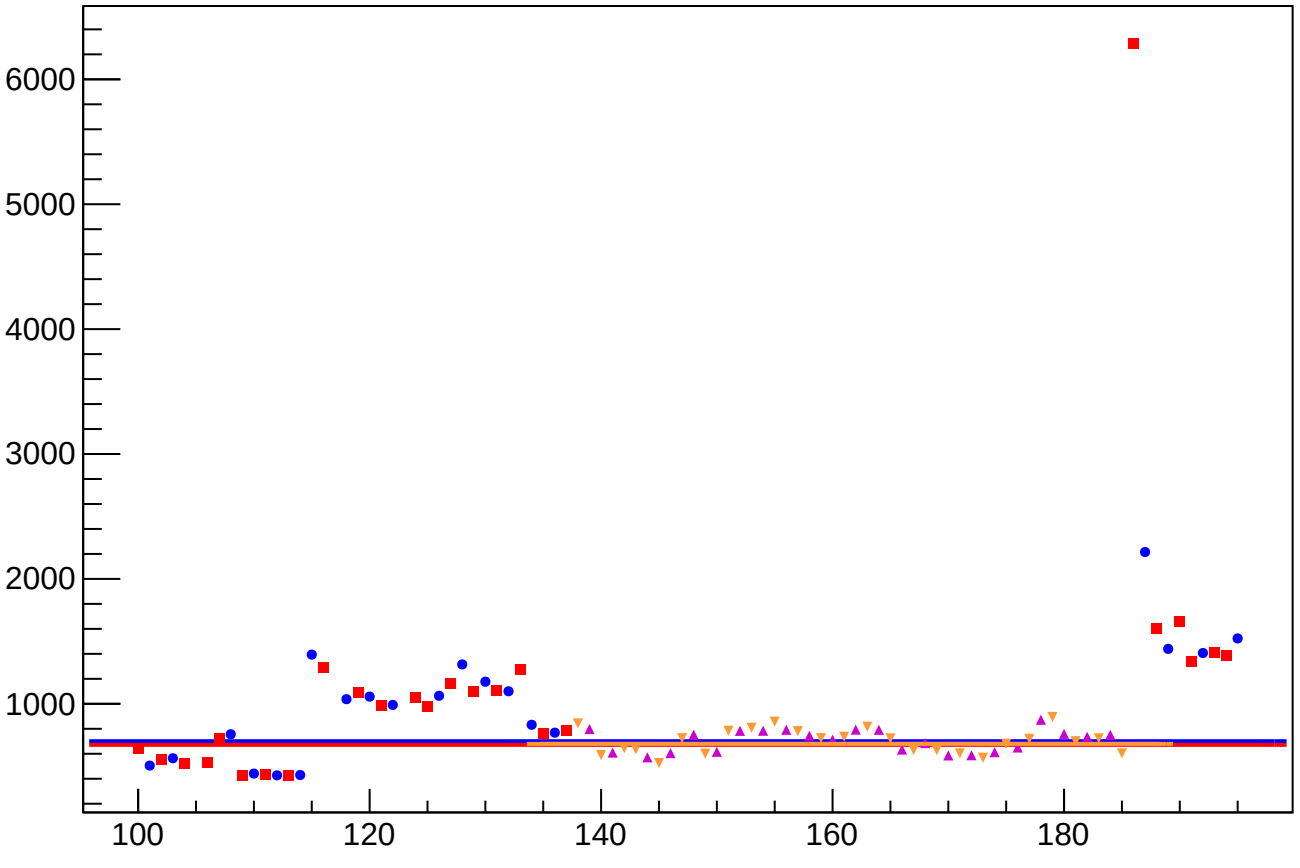
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 303.589+/-168.188 χ^2/NDF: 47.0/44

In: 65.778+/-134.996 χ^2/NDF:46.6/42

Out: -310.628+/-129.110 χ^2/NDF:93.8/49

All: -130.809+/-93.306 χ^2/NDF: 144.5/92



Right In: 700.594+/-0.175 χ^2/NDF: 3421781.2/19

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 671.404+/-0.162 χ^2/NDF: 4790024.2/24

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

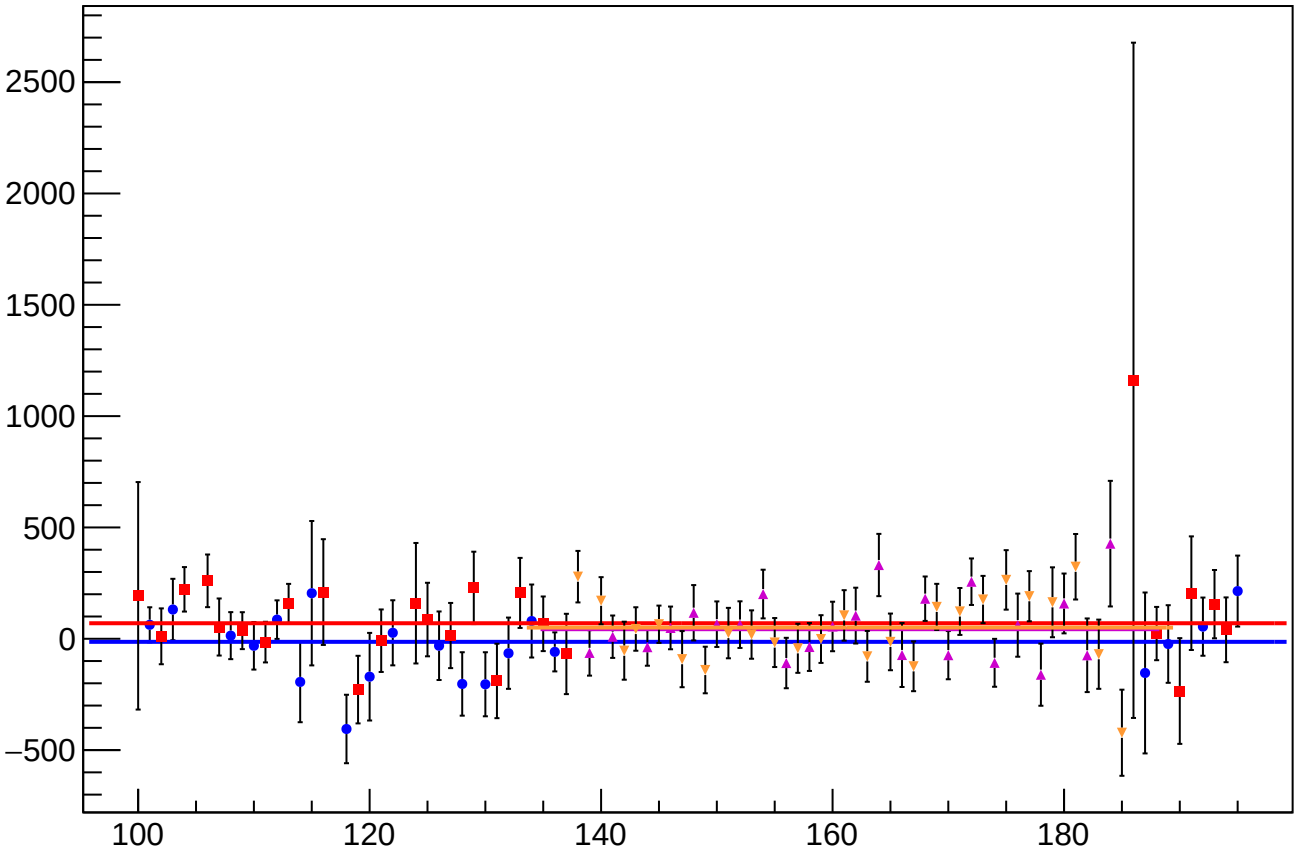
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 684.854+/-0.119 χ^2/NDF: 8226773.0/44

In: 687.445+/-0.095 χ^2/NDF:4003606.0/42

Out: 676.686+/-0.091 χ^2/NDF:5529001.8/49

All: 681.826+/-0.066 χ^2/NDF: 9539241.8/92



Right In: -13.783+/-29.313 χ^2/NDF: 18.8/19

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 69.752+/-27.640 χ^2/NDF: 19.7/24

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

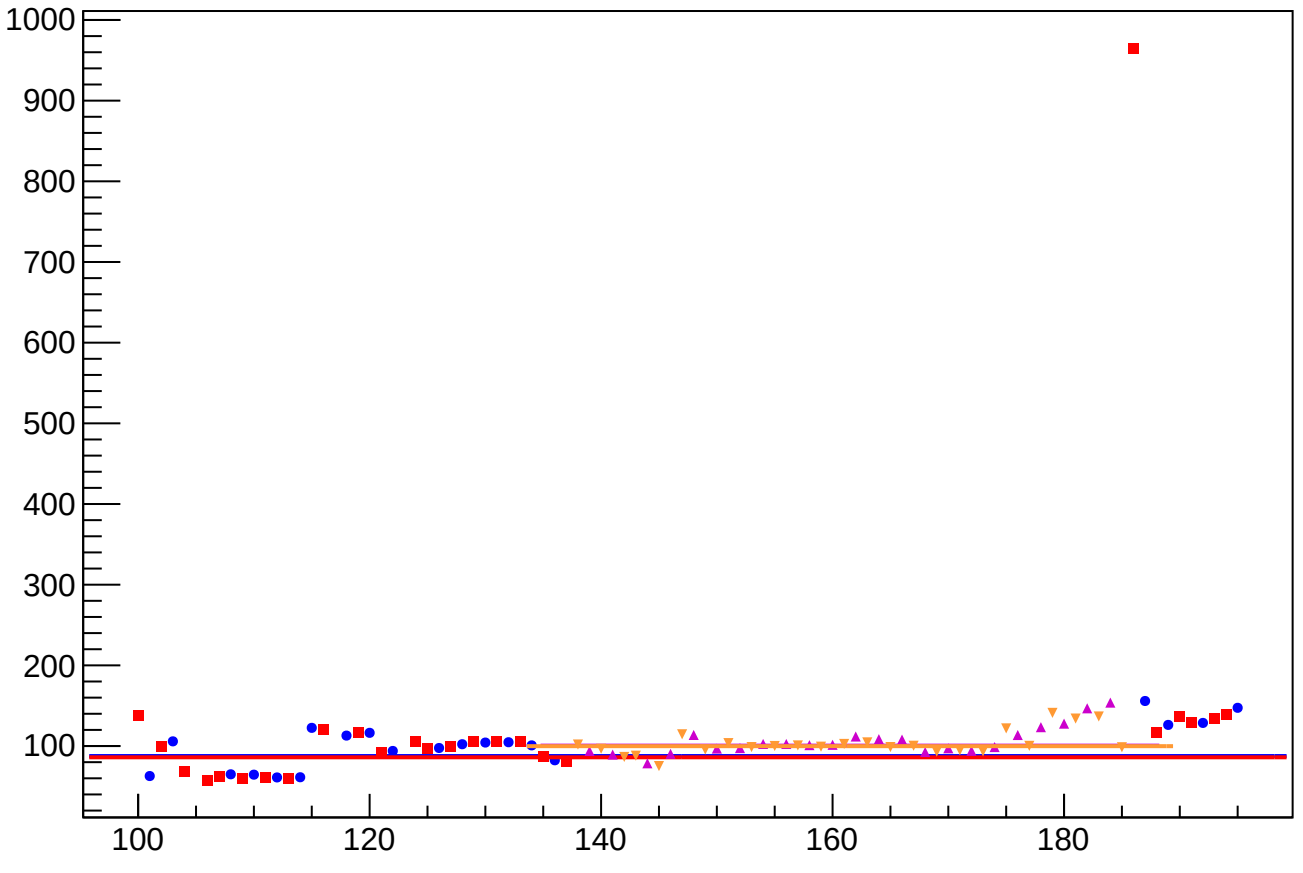
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 30.436+/-20.110 χ^2/NDF: 42.8/44

In: 20.503+/-18.457 χ^2/NDF:47.7/42

Out: 58.254+/-17.660 χ^2/NDF:53.4/49

All: 40.211+/-12.760 χ^2/NDF: 103.3/92



Right In: 87.599+/-0.021 χ^2/NDF: 1519726.6/19

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 86.030+/-0.020 χ^2/NDF: 2485902.4/24

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

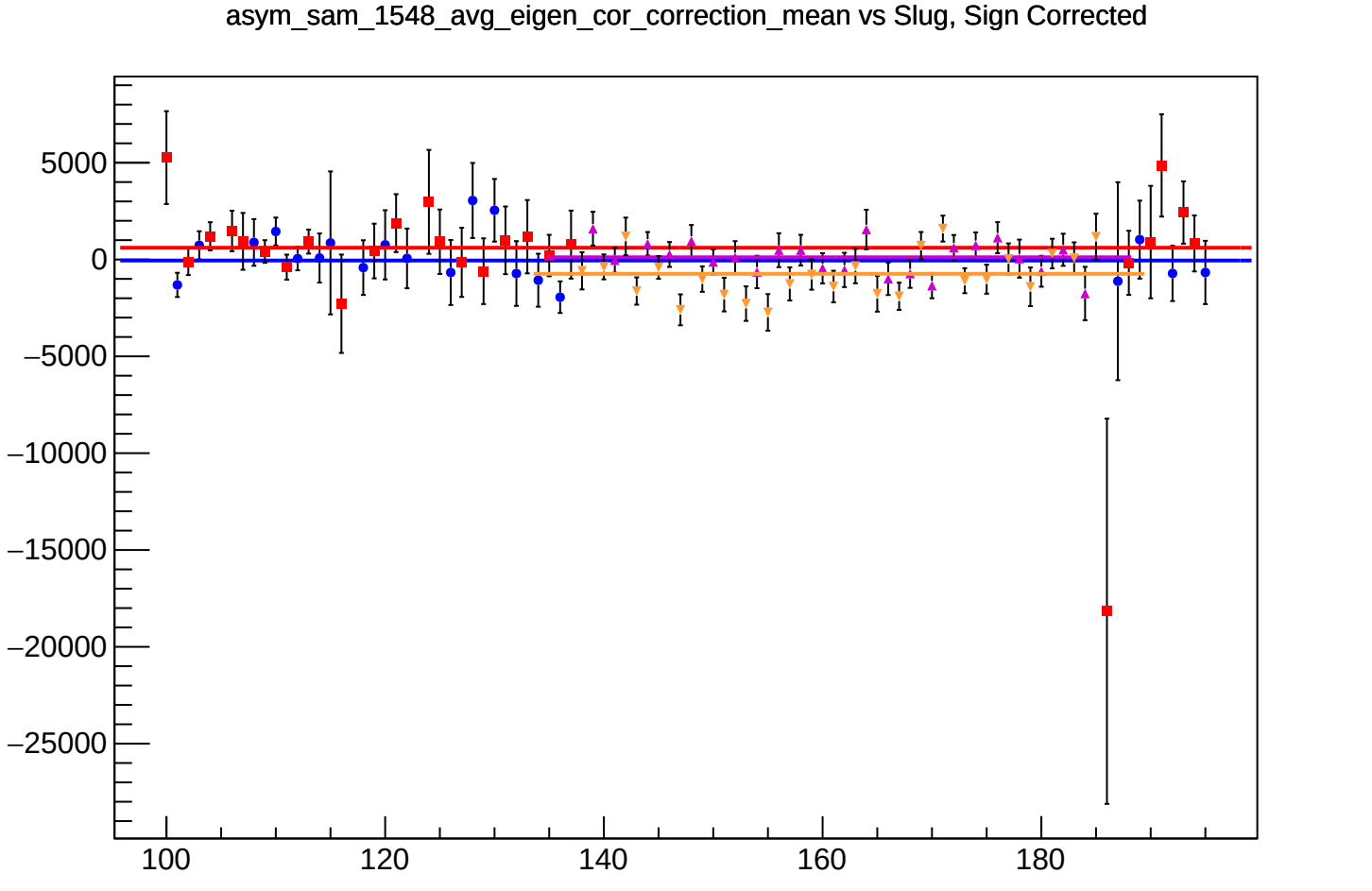
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 86.768+/-0.014 χ^2/NDF: 4008663.8/44

In: 95.384+/-0.013 χ^2/NDF:2410306.7/42

Out: 94.201+/-0.012 χ^2/NDF:3479086.0/49

All: 94.767+/-0.009 χ^2/NDF: 5893678.6/92



Right In: -52.323+/-247.768 χ^2/NDF: 22.6/19

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 607.737+/-229.042 χ^2/NDF: 20.6/24

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

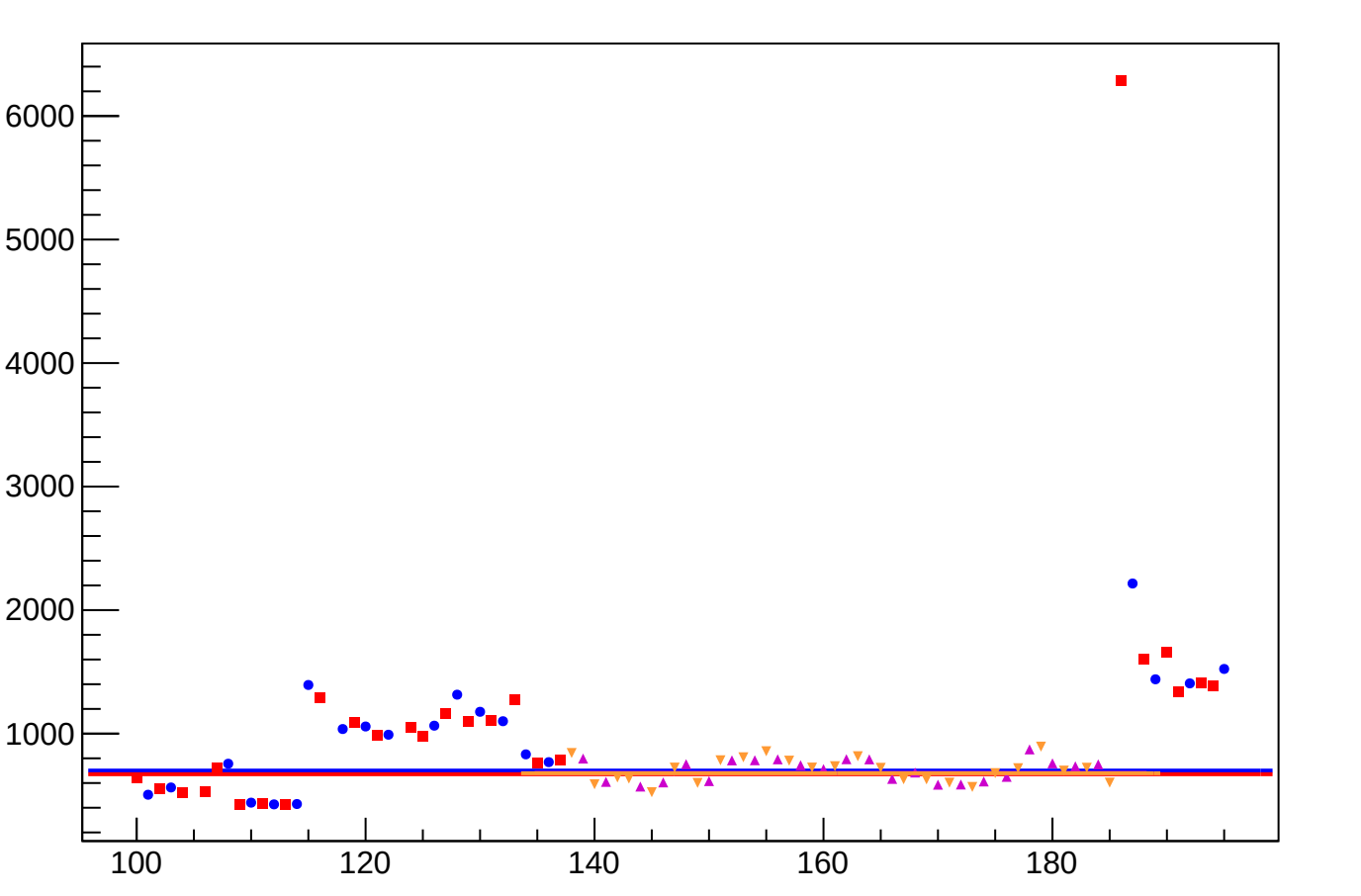
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 303.589+/-168.188 χ^2/NDF: 47.0/44

In: 65.778+/-134.996 χ^2/NDF:46.6/42

Out: -310.628+/-129.110 χ^2/NDF:93.8/49

All: -130.809+/-93.306 χ^2/NDF: 144.5/92



Right In: 700.594+/-0.175 χ^2/NDF: 3421781.2/19

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 671.404+/-0.162 χ^2/NDF: 4790024.2/24

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

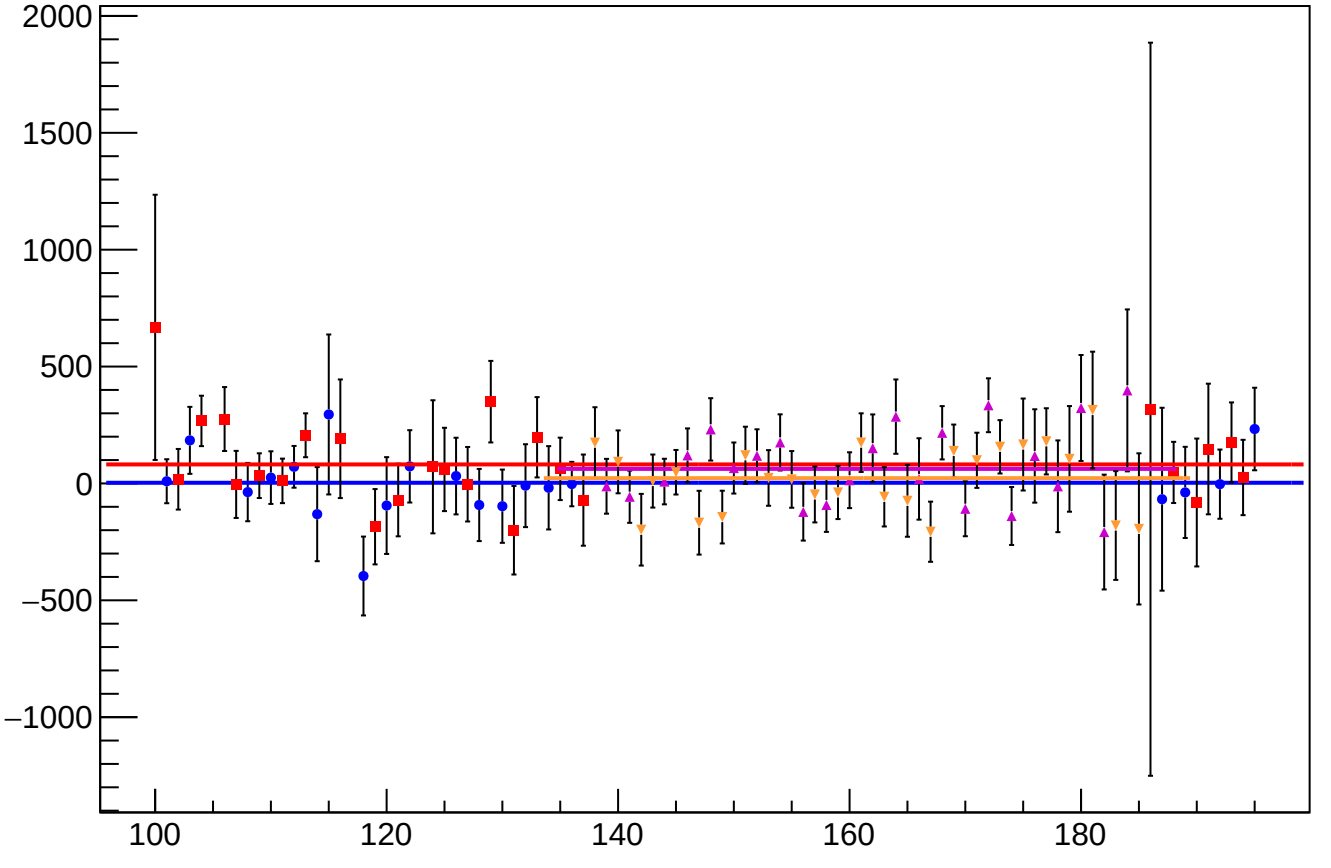
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 684.854+/-0.119 χ^2/NDF: 8226773.0/44

In: 687.445+/-0.095 χ^2/NDF:4003606.0/42

Out: 676.686+/-0.091 χ^2/NDF:5529001.8/49

All: 681.826+/-0.066 χ^2/NDF: 9539241.8/92



Right In: 2.855+/-32.143 χ^2/NDF: 12.1/19

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 81.357+/-30.197 χ^2/NDF: 20.0/24

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

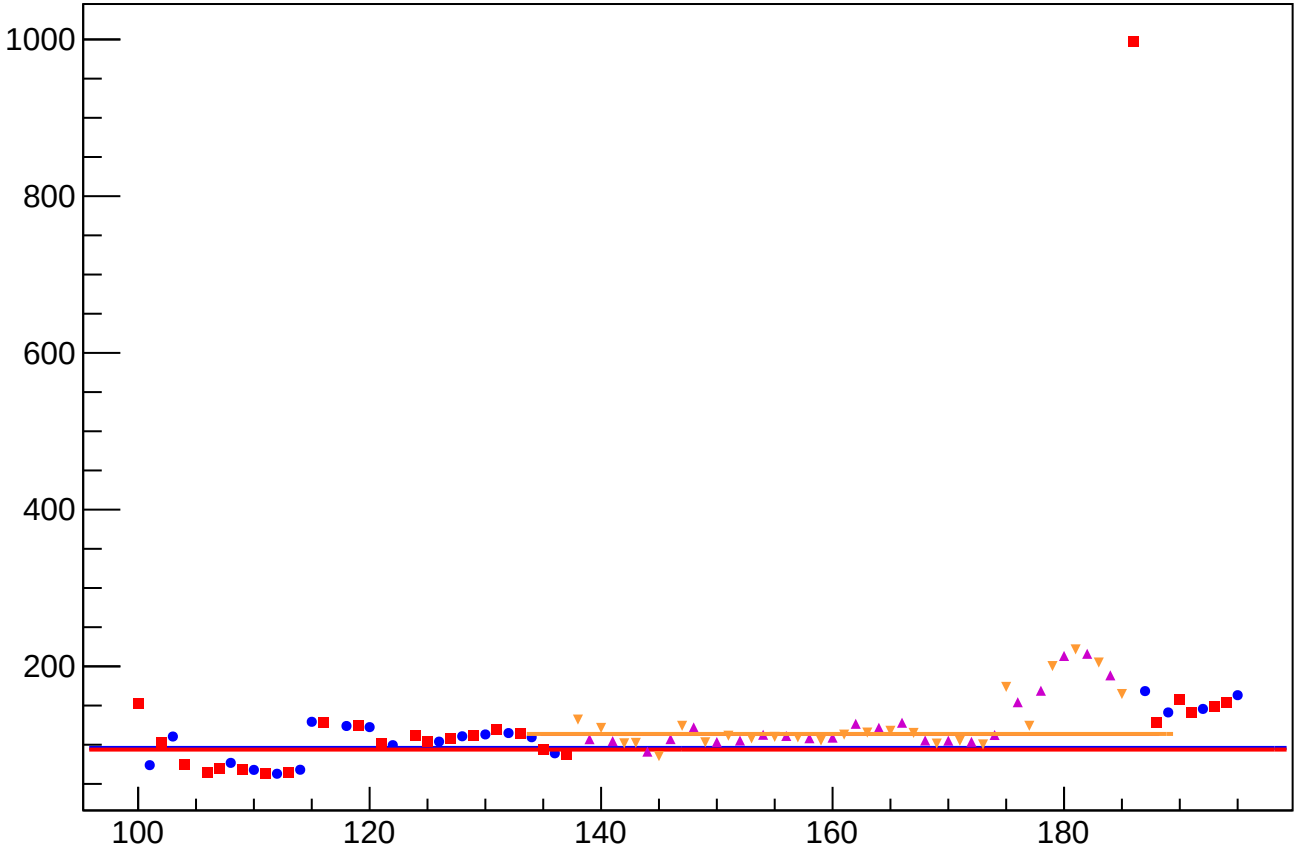
Right: 44.555+/-22.008 χ^2/NDF: 35.3/44

In: 37.272+/-20.825 χ^2/NDF:41.4/42

Out: 48.287+/-19.978 χ^2/NDF:43.7/49

All: 43.008+/-14.417 χ^2/NDF: 85.3/92

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 95.922+/-0.023 χ^2/NDF: 1504542.4/19

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 93.791+/-0.021 χ^2/NDF: 2480520.8/24

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

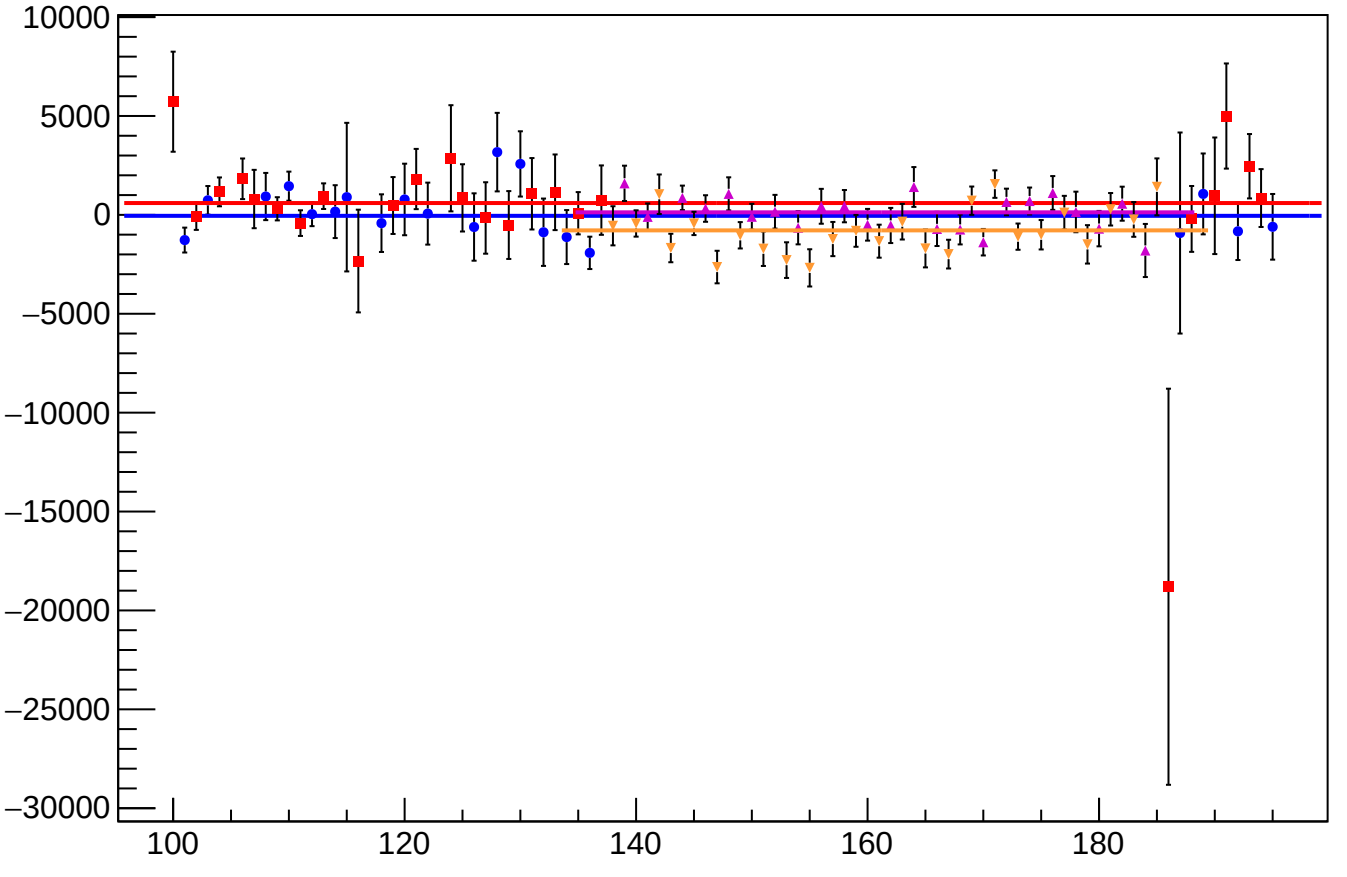
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 94.790+/-0.016 χ^2/NDF: 3989735.1/44

In: 106.224+/-0.015 χ^2/NDF:3174652.8/42

Out: 105.022+/-0.014 χ^2/NDF:4552536.3/49

All: 105.598+/-0.010 χ^2/NDF: 7730657.8/92



Right In: -48.754+/-250.185 χ^2/NDF: 22.3/19

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 597.954+/-231.523 χ^2/NDF: 21.8/24

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

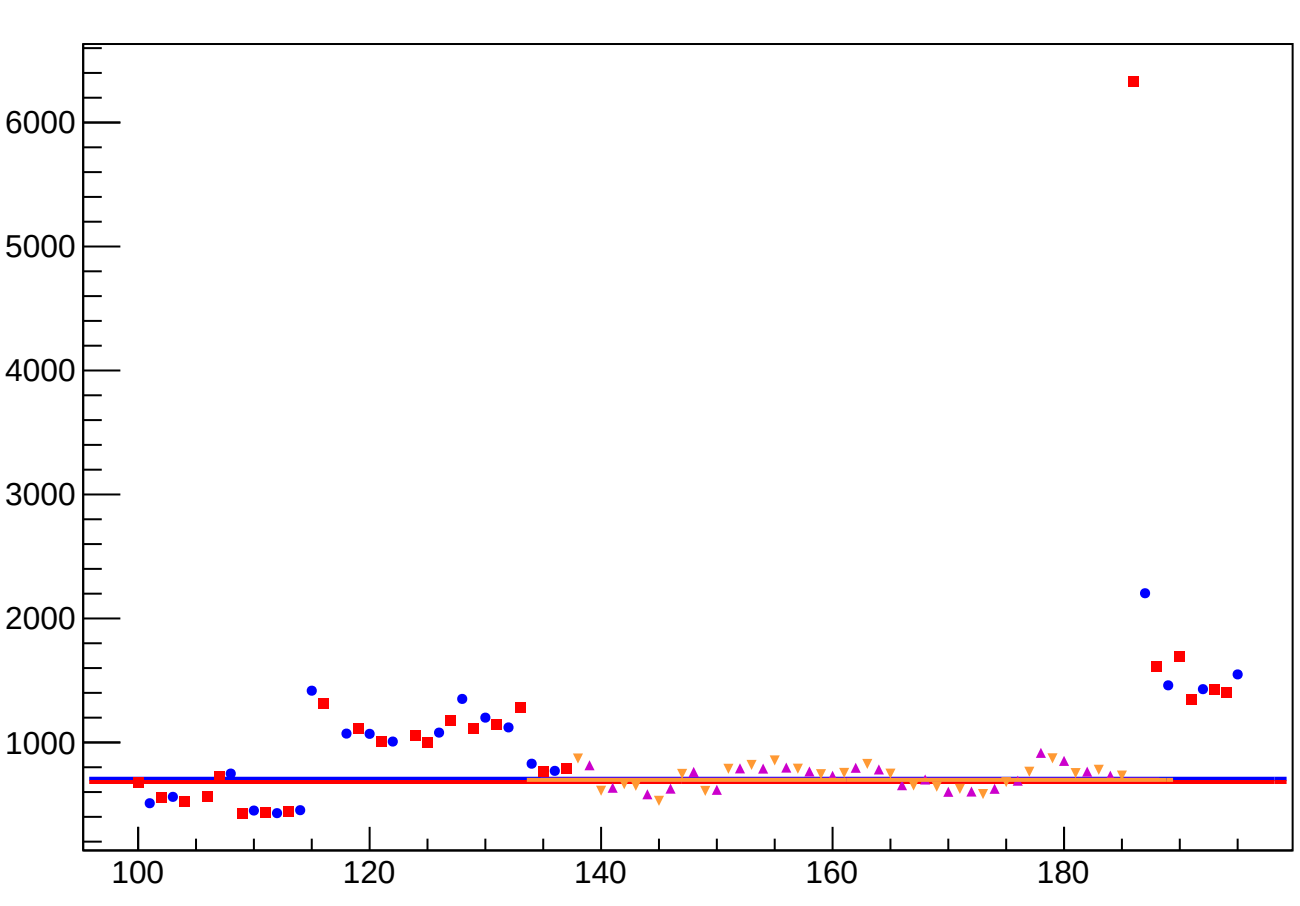
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 299.617+/-169.926 χ^2/NDF: 47.7/44

In: 74.416+/-137.890 χ^2/NDF:45.4/42

Out: -335.697+/-131.894 χ^2/NDF:91.3/49

All: -139.750+/-95.312 χ^2/NDF: 141.2/92



Right In: 707.281+/-0.177 χ^2/NDF: 3447887.2/19

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 681.162+/-0.164 χ^2/NDF: 4777436.9/24

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

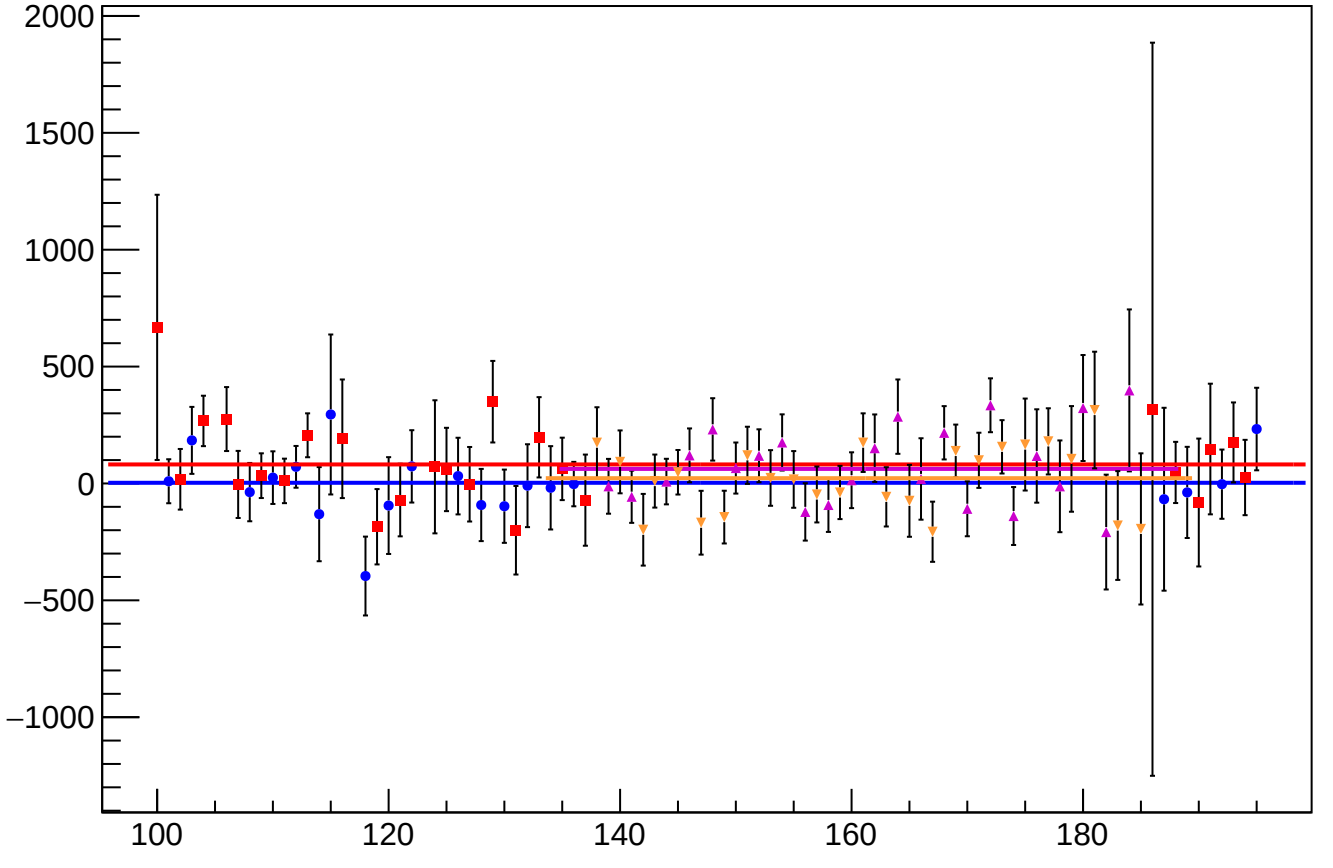
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 693.211+/-0.120 χ^2/NDF: 8237066.3/44

In: 702.267+/-0.098 χ^2/NDF:4033359.7/42

Out: 692.696+/-0.093 χ^2/NDF:5499471.7/49

All: 697.269+/-0.067 χ^2/NDF: 9537863.6/92



Right In: 2.856+/-32.143 χ^2/NDF: 12.1/19

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 81.357+/-30.197 χ^2/NDF: 20.0/24

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

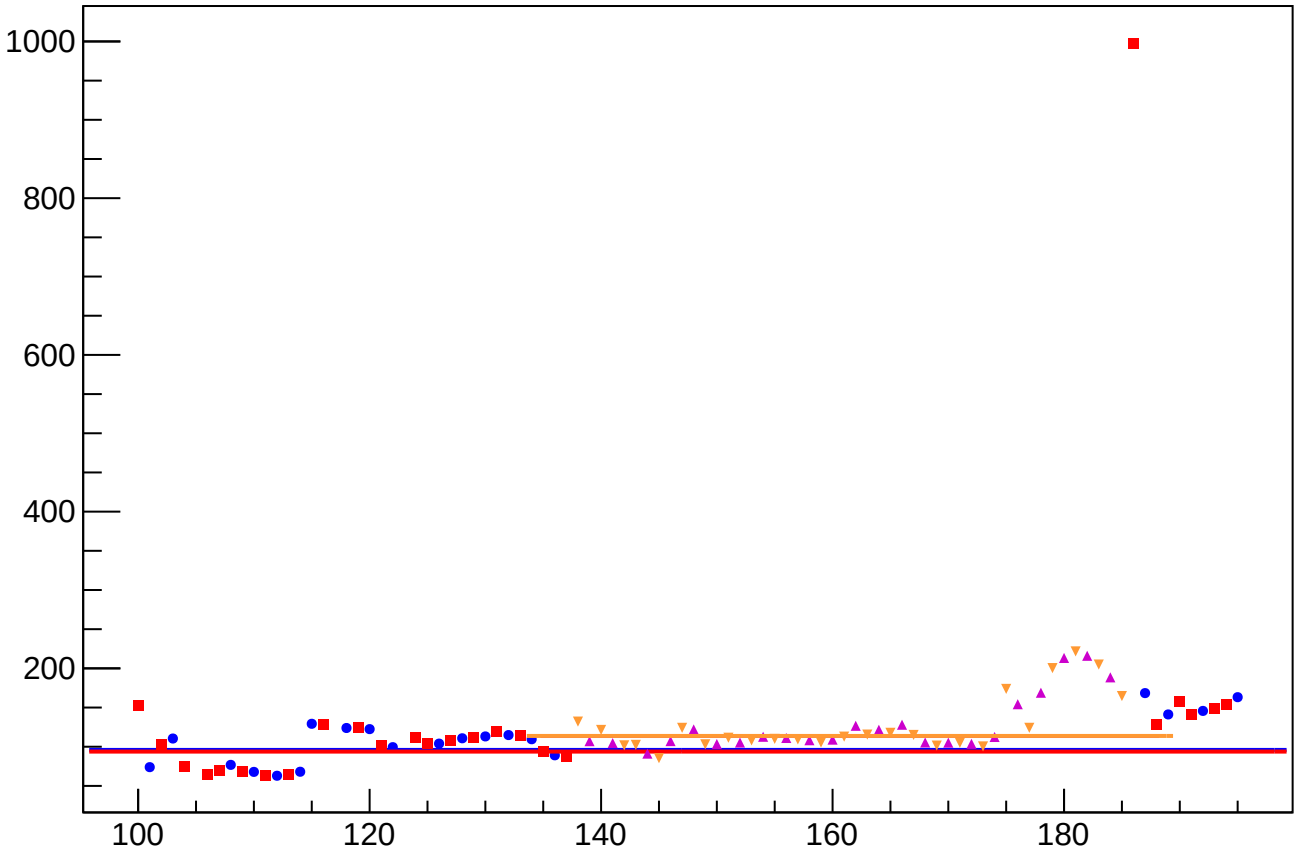
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 44.555+/-22.008 χ^2/NDF: 35.3/44

In: 37.272+/-20.825 χ^2/NDF:41.4/42

Out: 48.288+/-19.978 χ^2/NDF:43.7/49

All: 43.008+/-14.417 χ^2/NDF: 85.3/92



Right In: 95.922+/-0.023 χ^2/NDF: 1504537.9/19

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 93.791+/-0.021 χ^2/NDF: 2480521.2/24

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

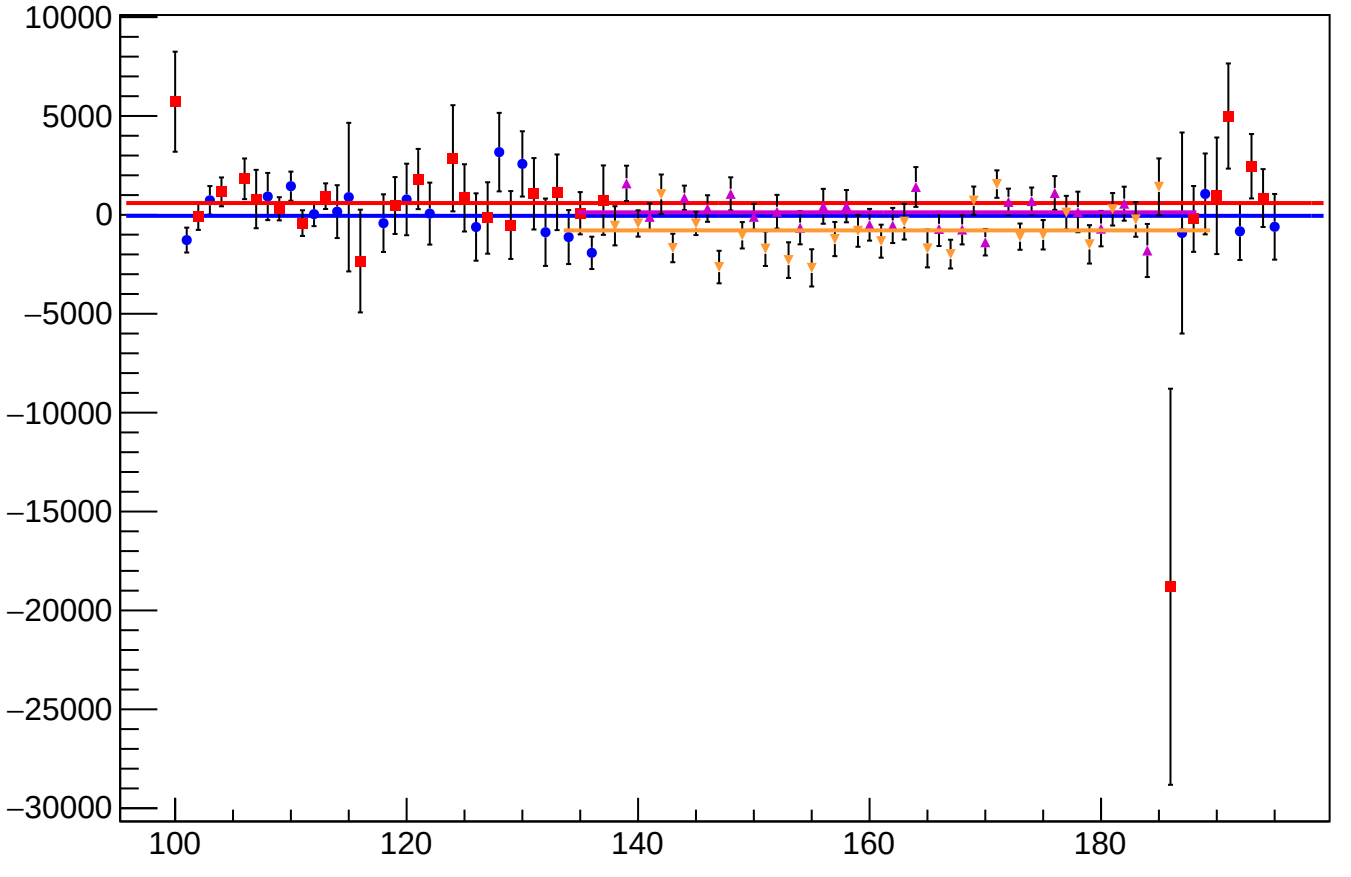
Right: 94.790+/-0.016 χ^2/NDF: 3989731.1/44

In: 106.224+/-0.015 χ^2/NDF:3174634.8/42

Out: 105.022+/-0.014 χ^2/NDF:4552534.7/49

All: 105.598+/-0.010 χ^2/NDF: 7730638.3/92

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -48.754+/-250.184 χ^2/NDF: 22.3/19

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 597.953+/-231.522 χ^2/NDF: 21.8/24

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

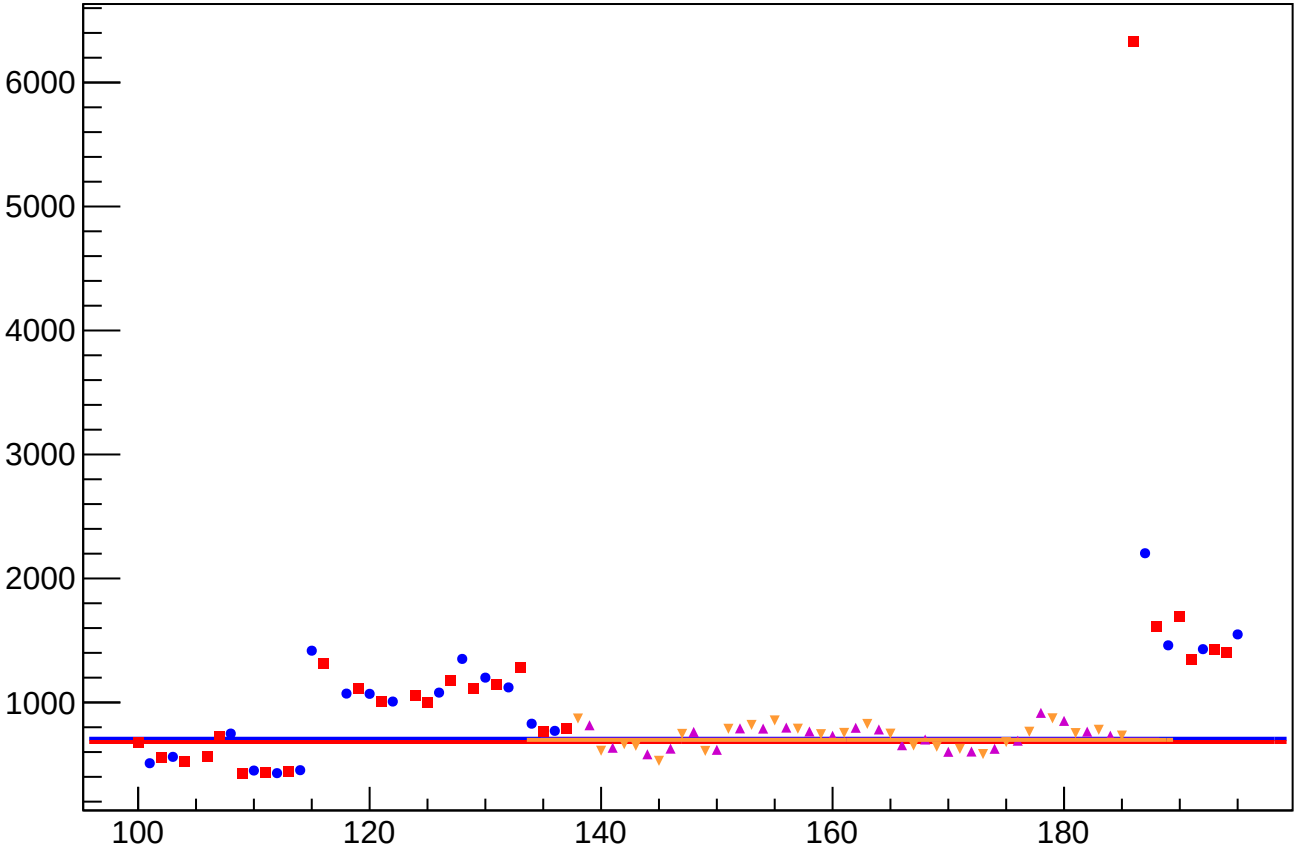
Right: 299.616+/-169.926 χ^2/NDF: 47.7/44

In: 74.415+/-137.890 χ^2/NDF:45.4/42

Out: -335.696+/-131.894 χ^2/NDF:91.3/49

All: -139.750+/-95.312 χ^2/NDF: 141.2/92

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 707.280+/-0.177 χ^2/NDF: 3447890.4/19

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 681.161+/-0.164 χ^2/NDF: 4777434.5/24

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

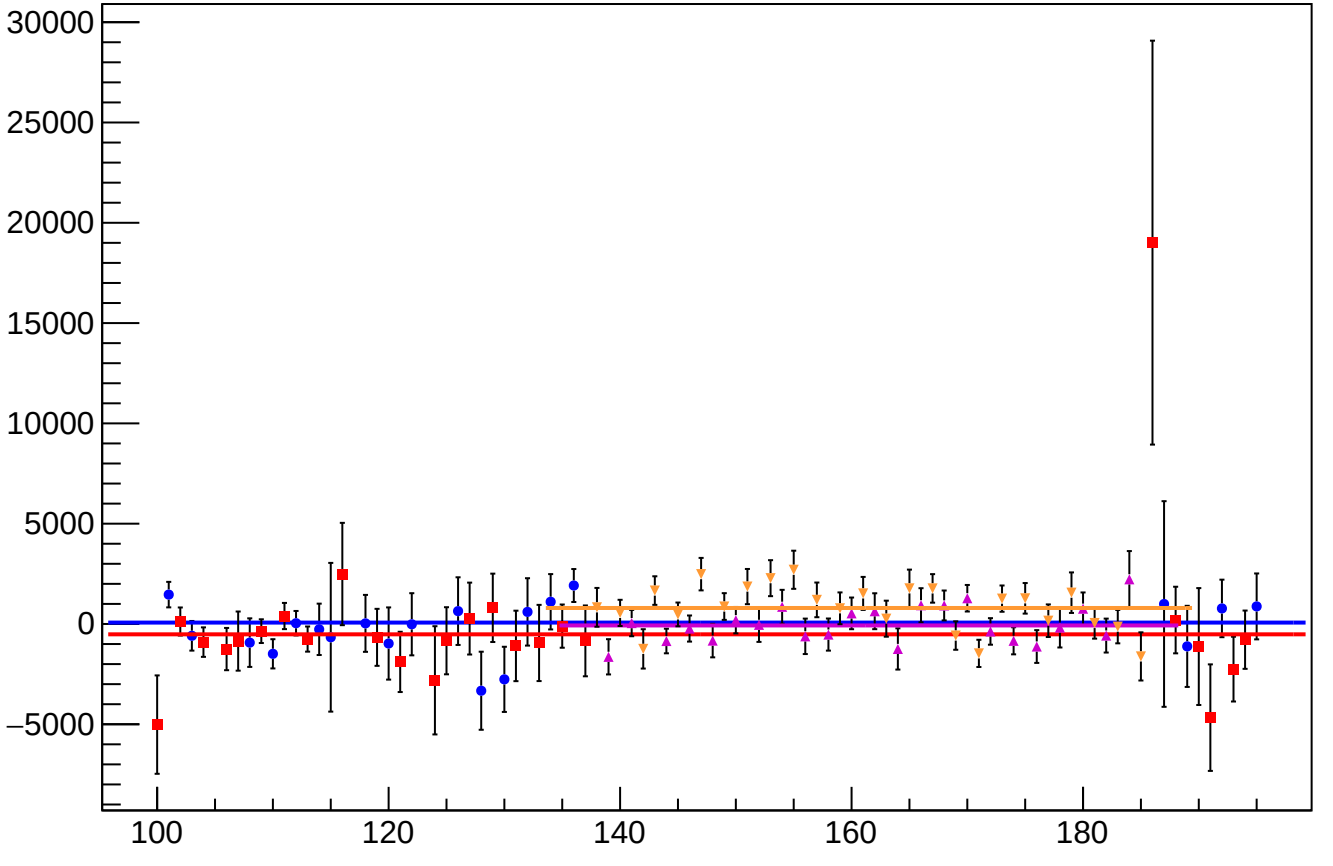
Right: 693.210+/-0.120 χ^2/NDF: 8237067.0/44

In: 702.266+/-0.098 χ^2/NDF:4033358.2/42

Out: 692.695+/-0.093 χ^2/NDF:5499467.7/49

All: 697.268+/-0.067 χ^2/NDF: 9537858.1/92

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 69.281+/-250.347 χ^2/NDF: 24.1/19

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -516.313+/-231.311 χ^2/NDF: 18.9/24

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

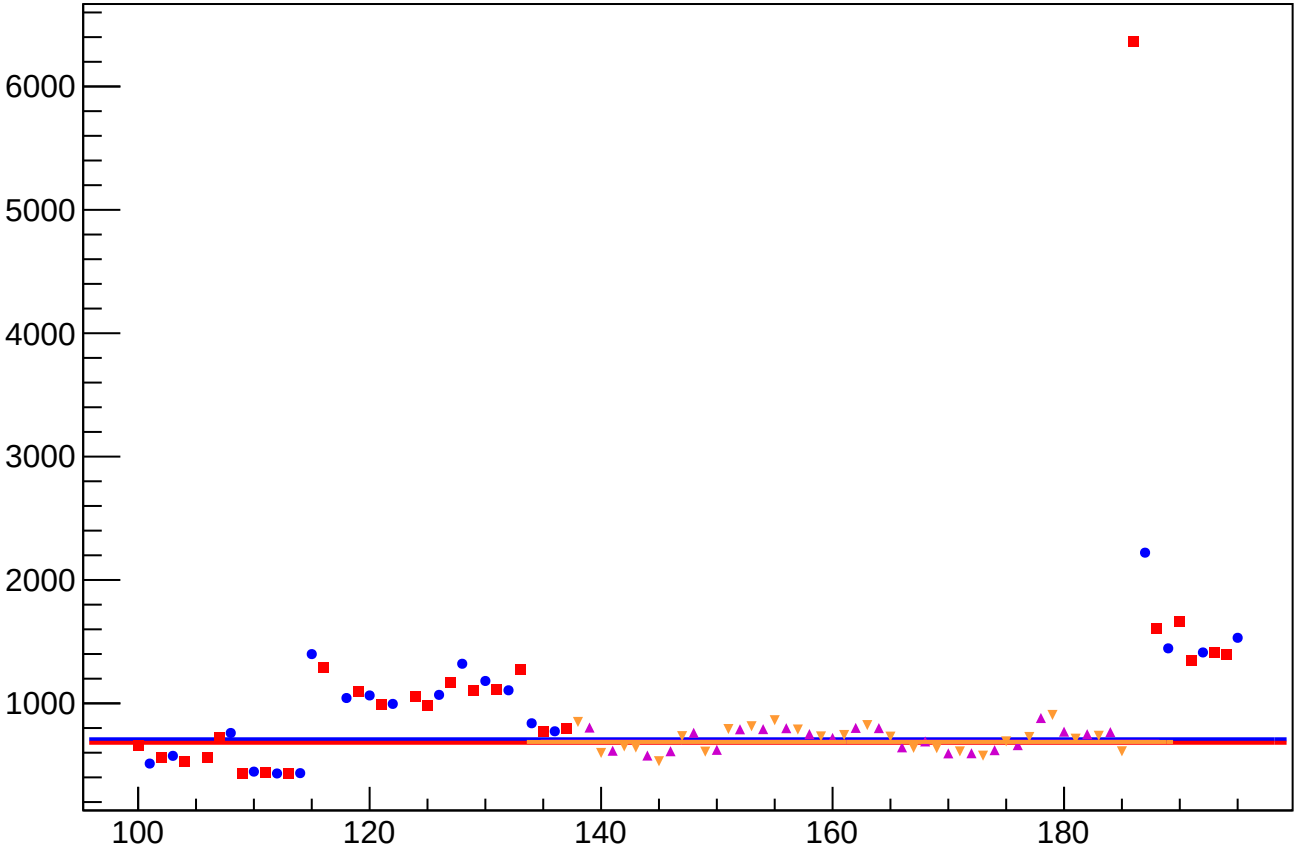
Right: -246.624+/-169.893 χ^2/NDF: 46.0/44

In: -31.037+/-136.527 χ^2/NDF:49.2/42

Out: 378.608+/-130.548 χ^2/NDF:87.3/49

All: 182.951+/-94.354 χ^2/NDF: 141.2/92

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 708.813+/-0.177 χ^2/NDF: 3374485.0/19

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 680.558+/-0.164 χ^2/NDF: 4726884.1/24

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

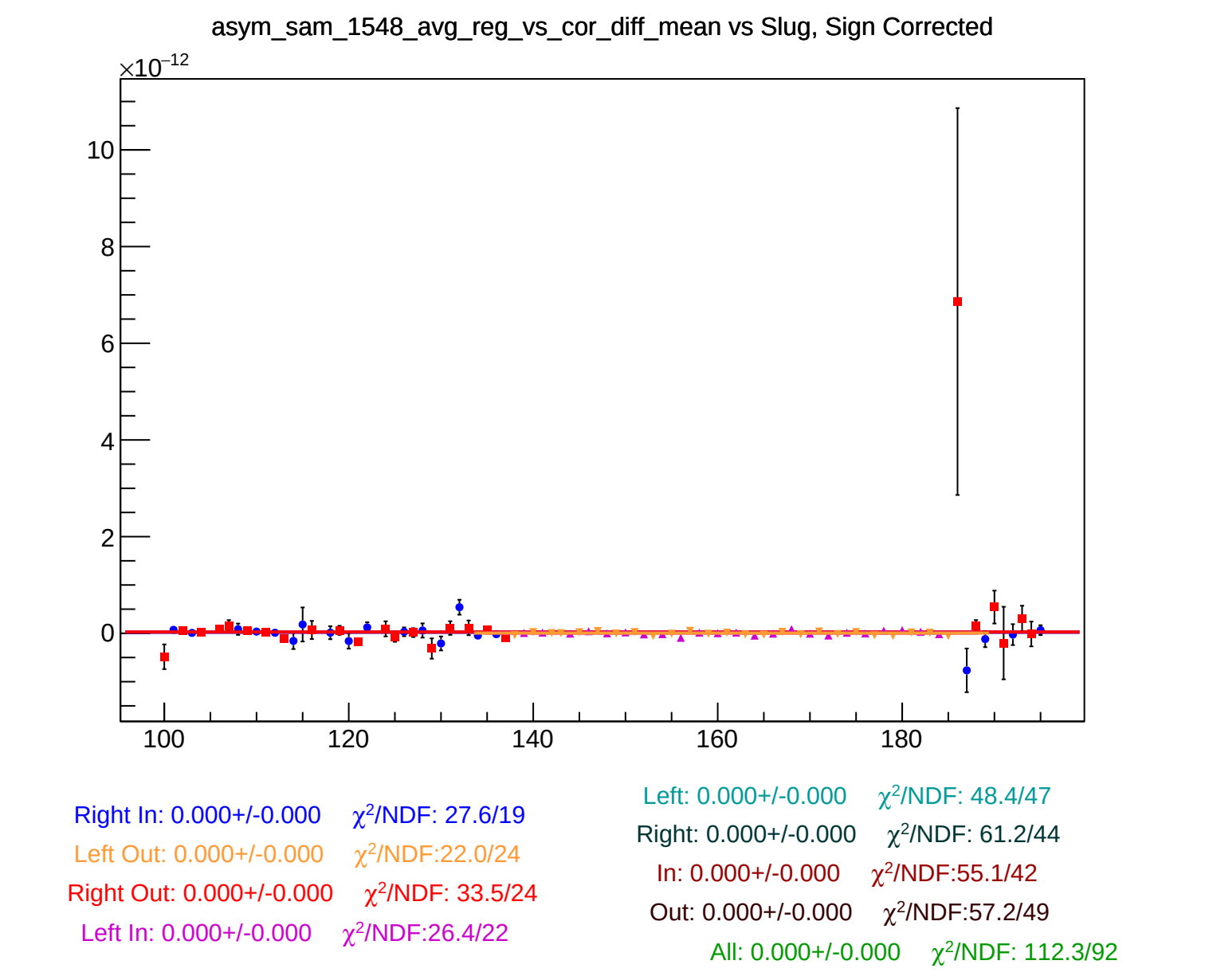
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

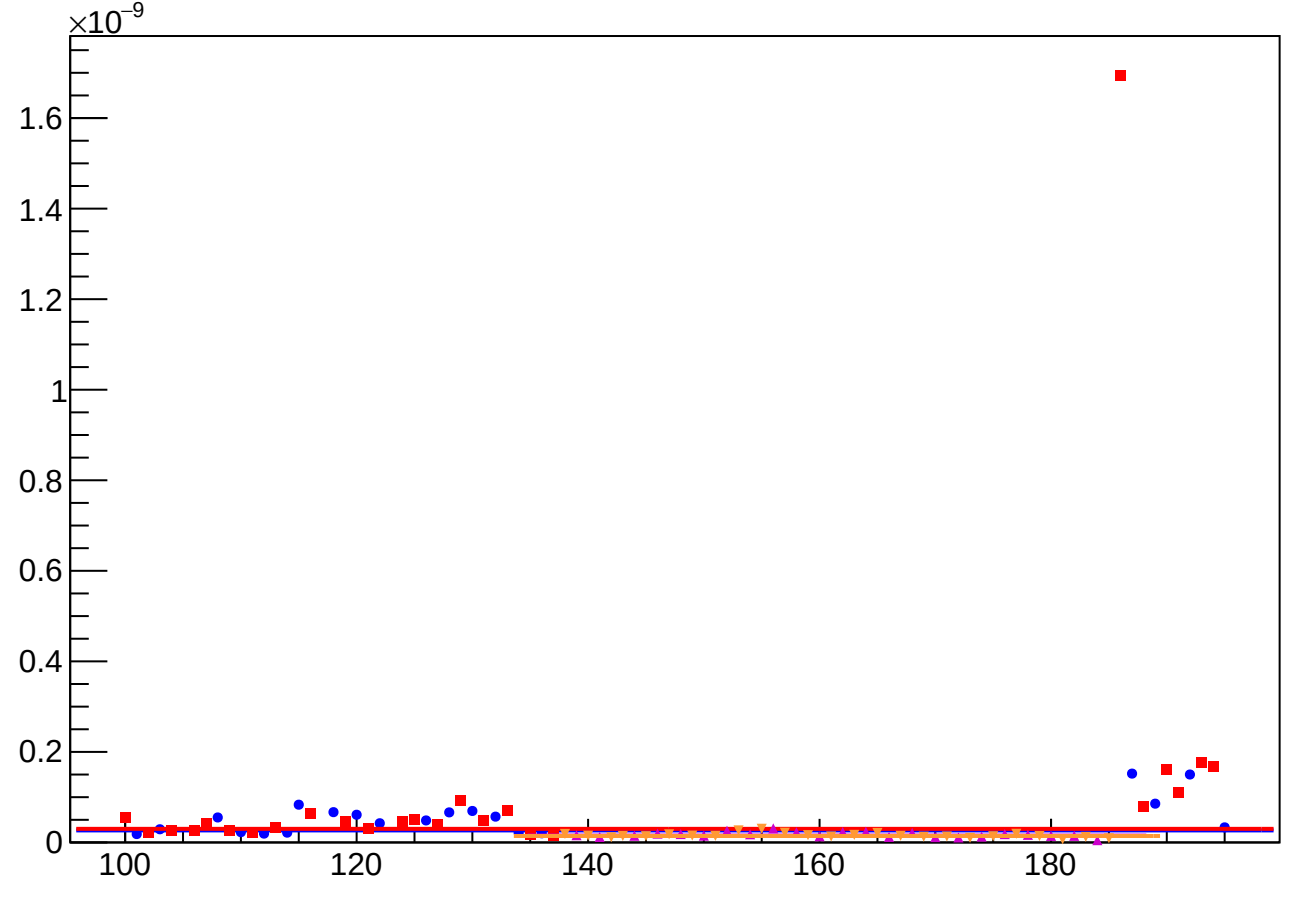
Right: 693.571+/-0.120 χ^2/NDF: 8115113.4/44

In: 695.593+/-0.097 χ^2/NDF:3949512.3/42

Out: 685.113+/-0.092 χ^2/NDF:5456016.6/49

All: 690.119+/-0.067 χ^2/NDF: 9411684.5/92


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 27.6/19
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/24
Left In: 0.000+/-0.000 χ²/NDF:26.4/22
Left: 0.000+/-0.000 χ²/NDF: 48.4/47
Right: 0.000+/-0.000 χ²/NDF: 61.2/44
In: 0.000+/-0.000 χ²/NDF:55.1/42
Out: 0.000+/-0.000 χ²/NDF:57.2/49
All: 0.000+/-0.000 χ²/NDF: 112.3/92



Right In: 0.000+/-0.000 χ^2/NDF: 2394886.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3253965.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

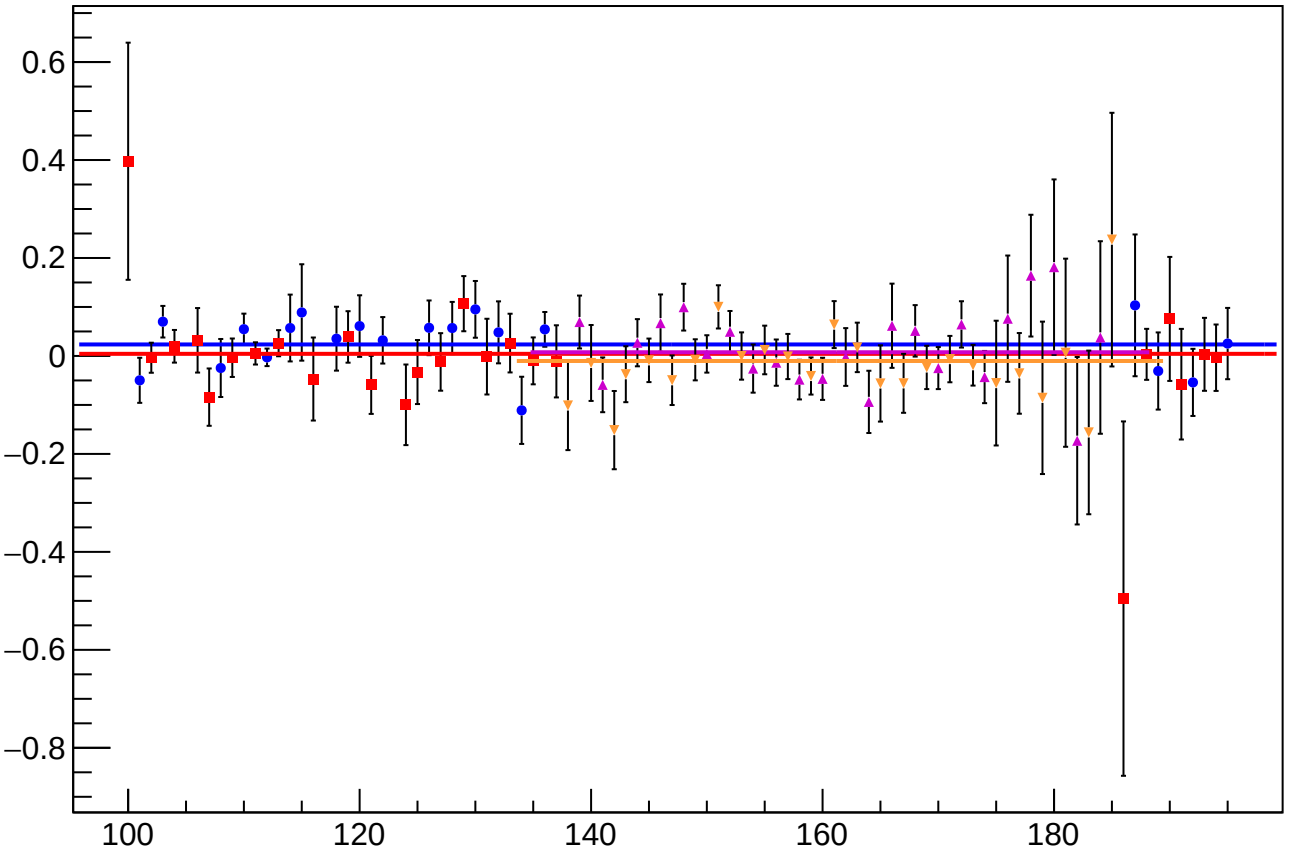
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 5698393.8/44

In: 0.000+/-0.000 χ^2/NDF:4505888.6/42

Out: 0.000+/-0.000 χ^2/NDF:5958433.7/49

All: 0.000+/-0.000 χ^2/NDF: 10485975.1/92



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

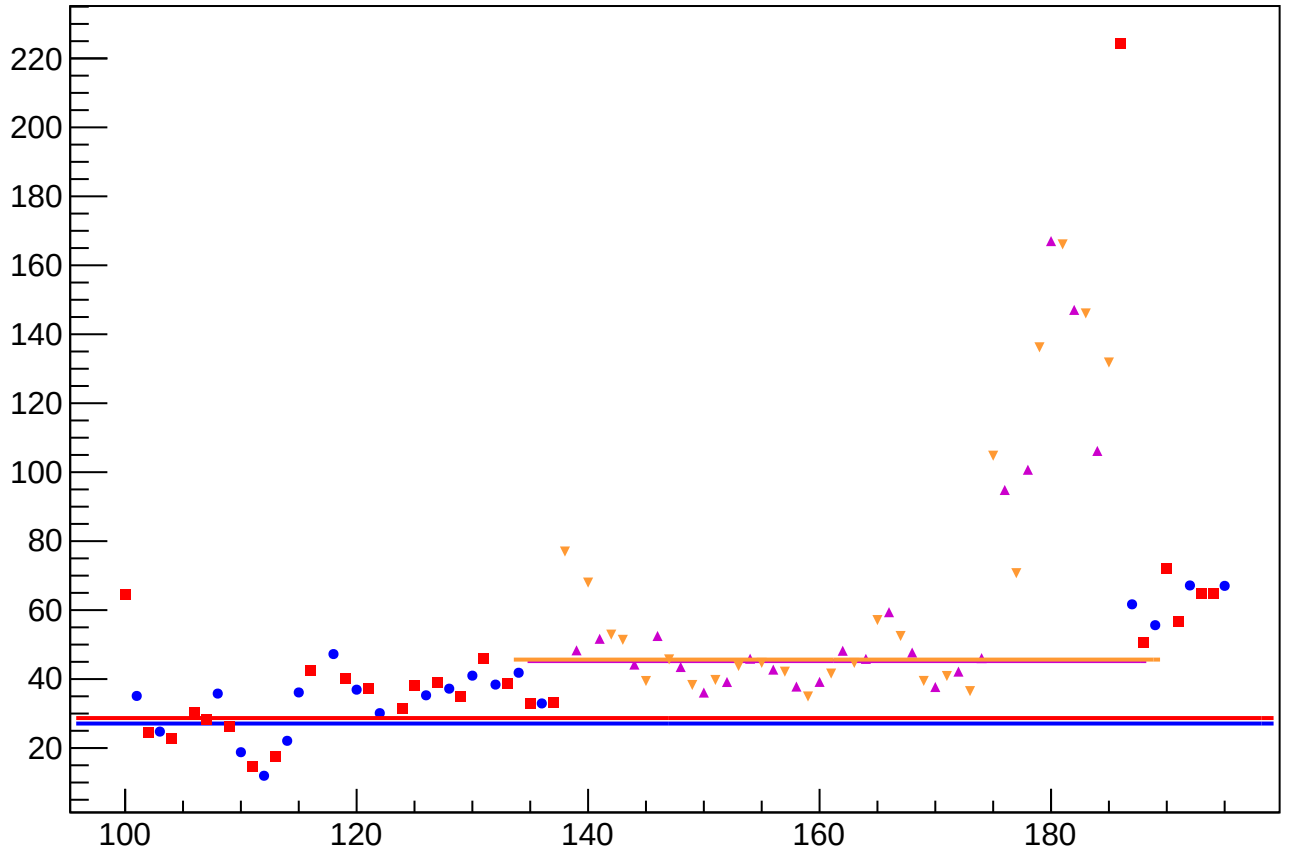
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.014+/-0.007 χ^2/NDF: 36.6/44

In: 0.017+/-0.008 χ^2/NDF:43.0/42

Out: -0.002+/-0.007 χ^2/NDF:35.2/49

All: 0.007+/-0.005 χ^2/NDF: 81.3/92



Right In: 27.106+/-0.007 χ^2/NDF: 4063833.8/19

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 28.694+/-0.007 χ^2/NDF: 4127230.4/24

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

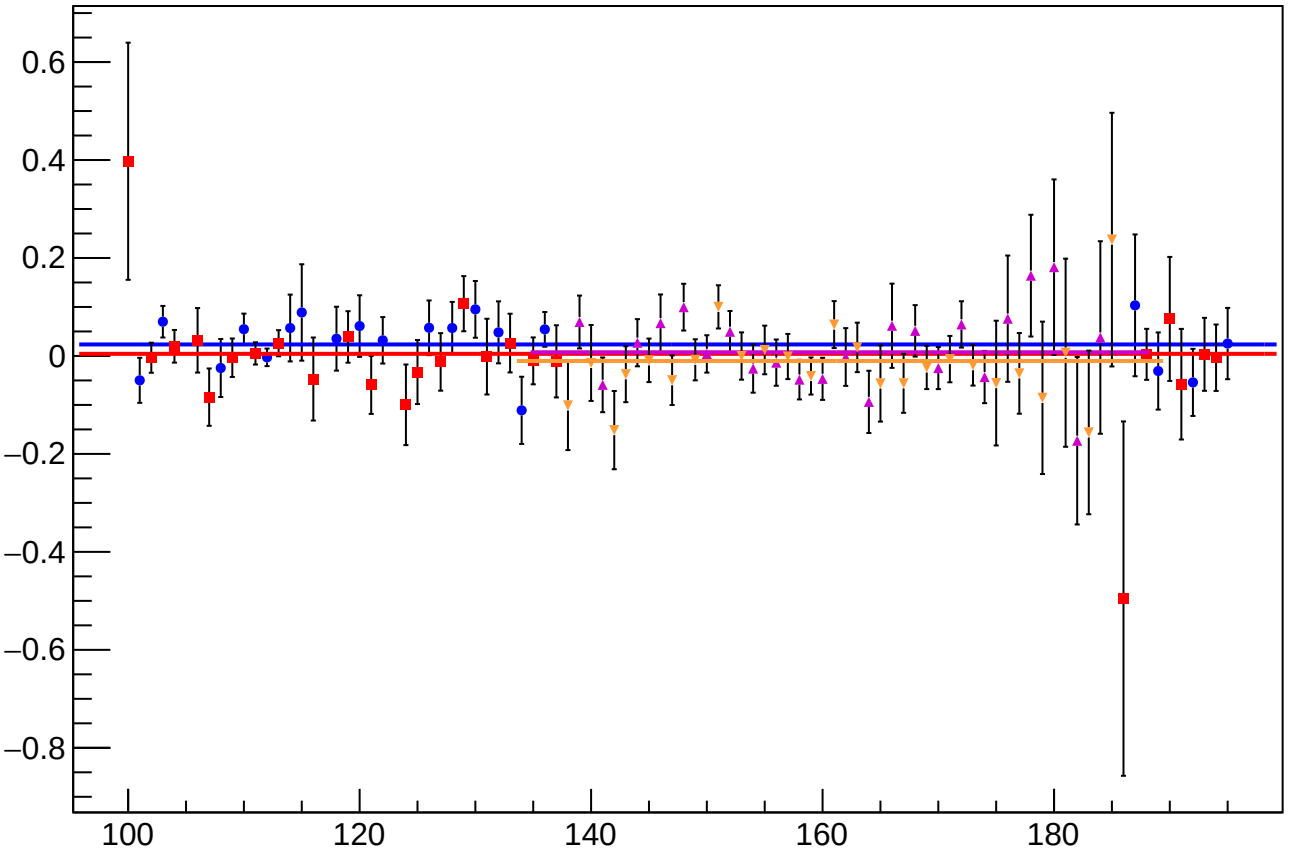
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 27.913+/-0.005 χ^2/NDF: 8216503.7/44

In: 34.999+/-0.005 χ^2/NDF:9896340.7/42

Out: 36.055+/-0.005 χ^2/NDF:10702069.6/49

All: 35.535+/-0.004 χ^2/NDF: 20618320.8/92



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

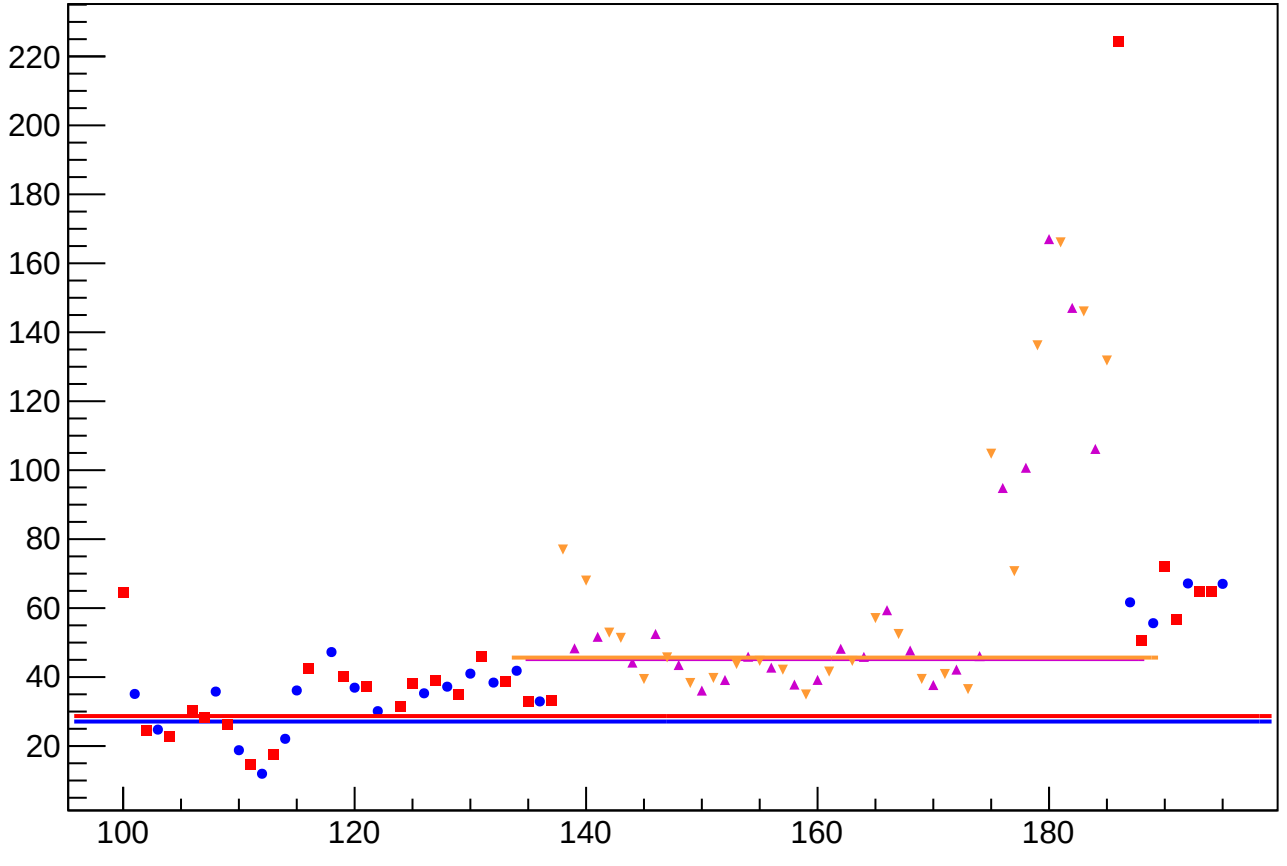
Right: 0.014+/-0.007 χ^2/NDF: 36.6/44

In: 0.017+/-0.008 χ^2/NDF:43.0/42

Out: -0.002+/-0.007 χ^2/NDF:35.2/49

All: 0.007+/-0.005 χ^2/NDF: 81.3/92

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.106+/-0.007 χ^2/NDF: 4063833.8/19

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 28.694+/-0.007 χ^2/NDF: 4127230.4/24

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

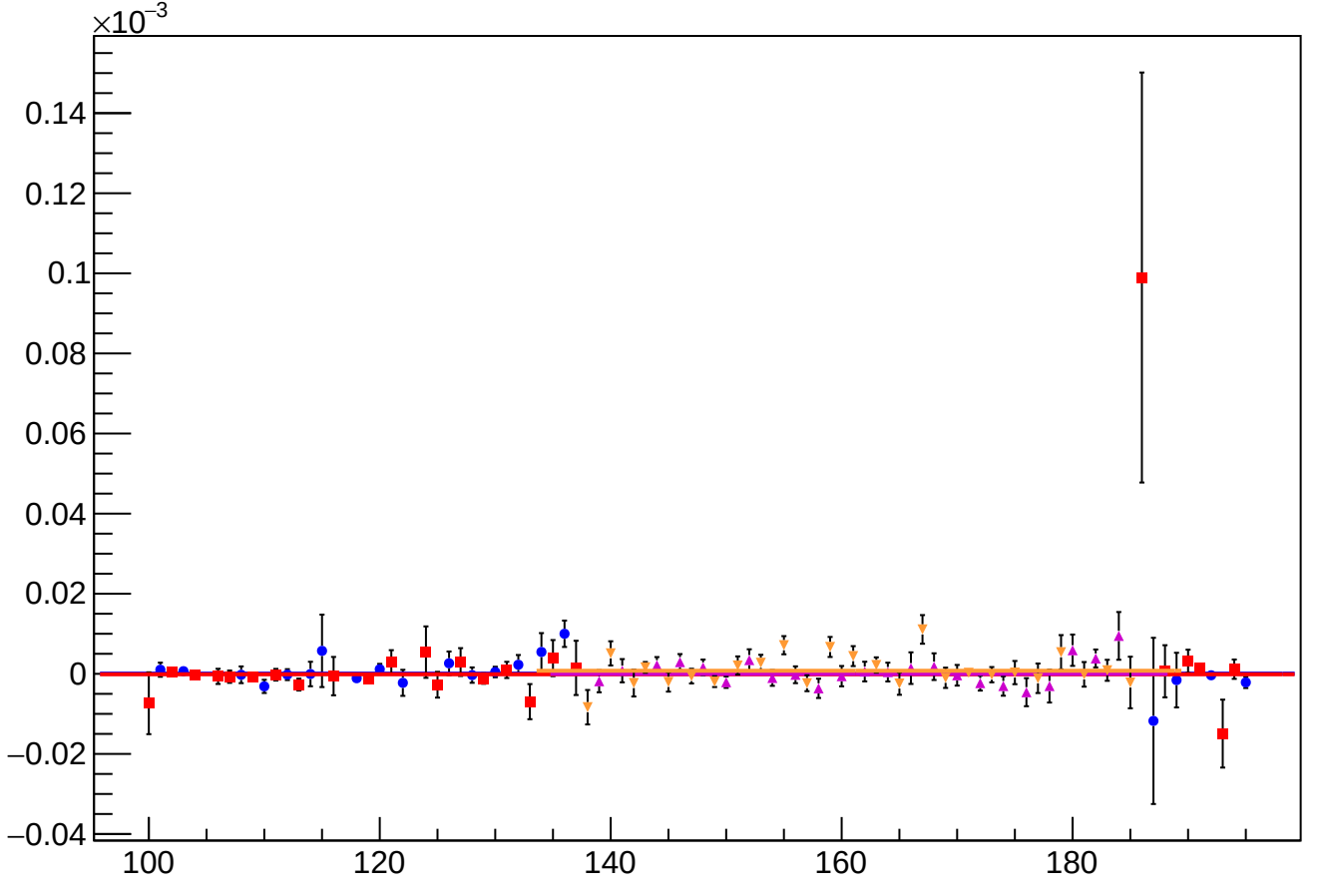
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 27.913+/-0.005 χ^2/NDF: 8216503.7/44

In: 34.999+/-0.005 χ^2/NDF:9896340.7/42

Out: 36.055+/-0.005 χ^2/NDF:10702069.6/49

All: 35.535+/-0.004 χ^2/NDF: 20618320.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

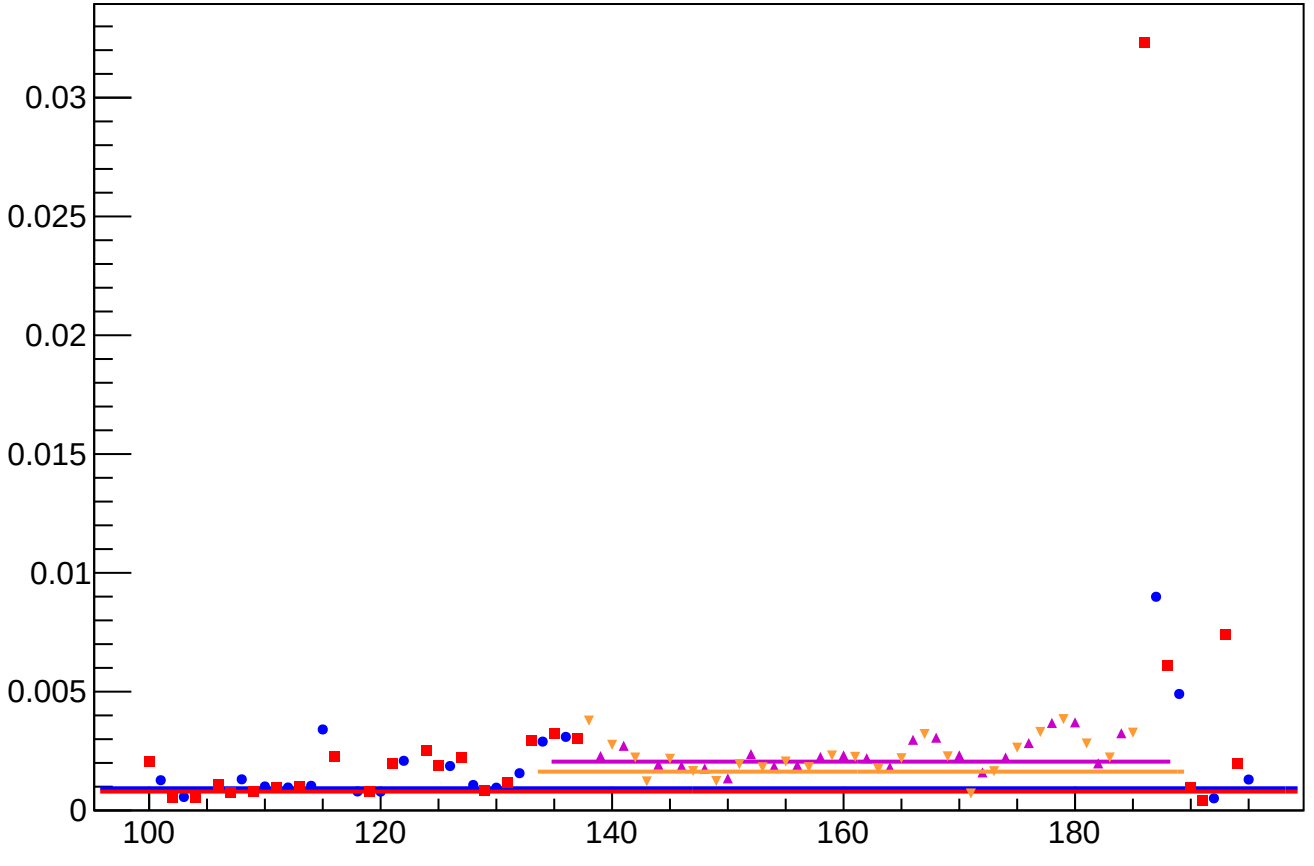
Right: -0.000+/-0.000 χ^2/NDF: 48.0/44

In: 0.000+/-0.000 χ^2/NDF:47.1/42

Out: 0.000+/-0.000 χ^2/NDF:74.4/49

All: 0.000+/-0.000 χ^2/NDF: 121.7/92

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4083861.3/19

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7535157.9/24

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

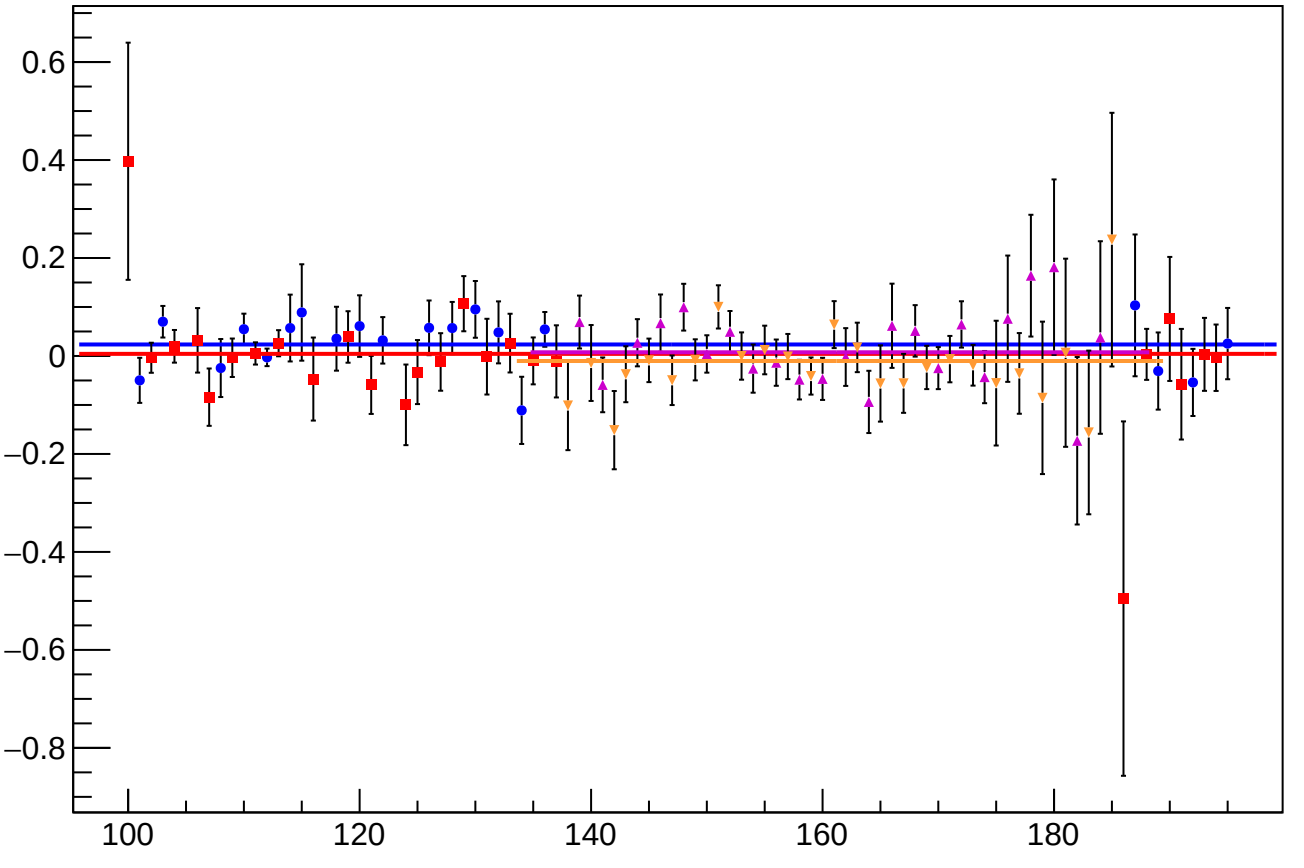
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 11790429.8/44

In: 0.001+/-0.000 χ^2/NDF:12742429.7/42

Out: 0.001+/-0.000 χ^2/NDF:19365110.9/49

All: 0.001+/-0.000 χ^2/NDF: 32784137.5/92



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

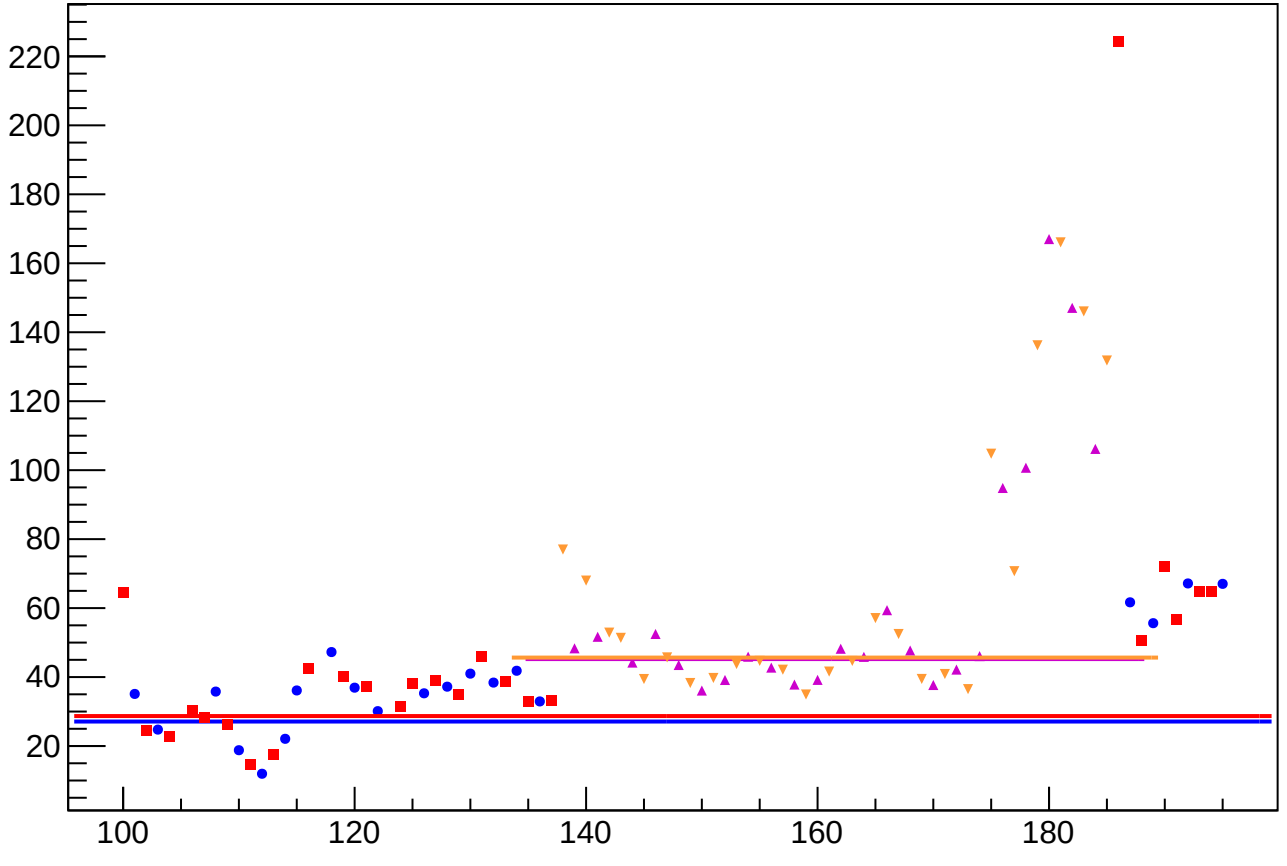
Right: 0.014+/-0.007 χ^2/NDF: 36.6/44

In: 0.017+/-0.008 χ^2/NDF:43.0/42

Out: -0.002+/-0.007 χ^2/NDF:35.2/49

All: 0.007+/-0.005 χ^2/NDF: 81.2/92

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.106+/-0.007 χ^2/NDF: 4064039.7/19

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 28.694+/-0.007 χ^2/NDF: 4127413.0/24

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

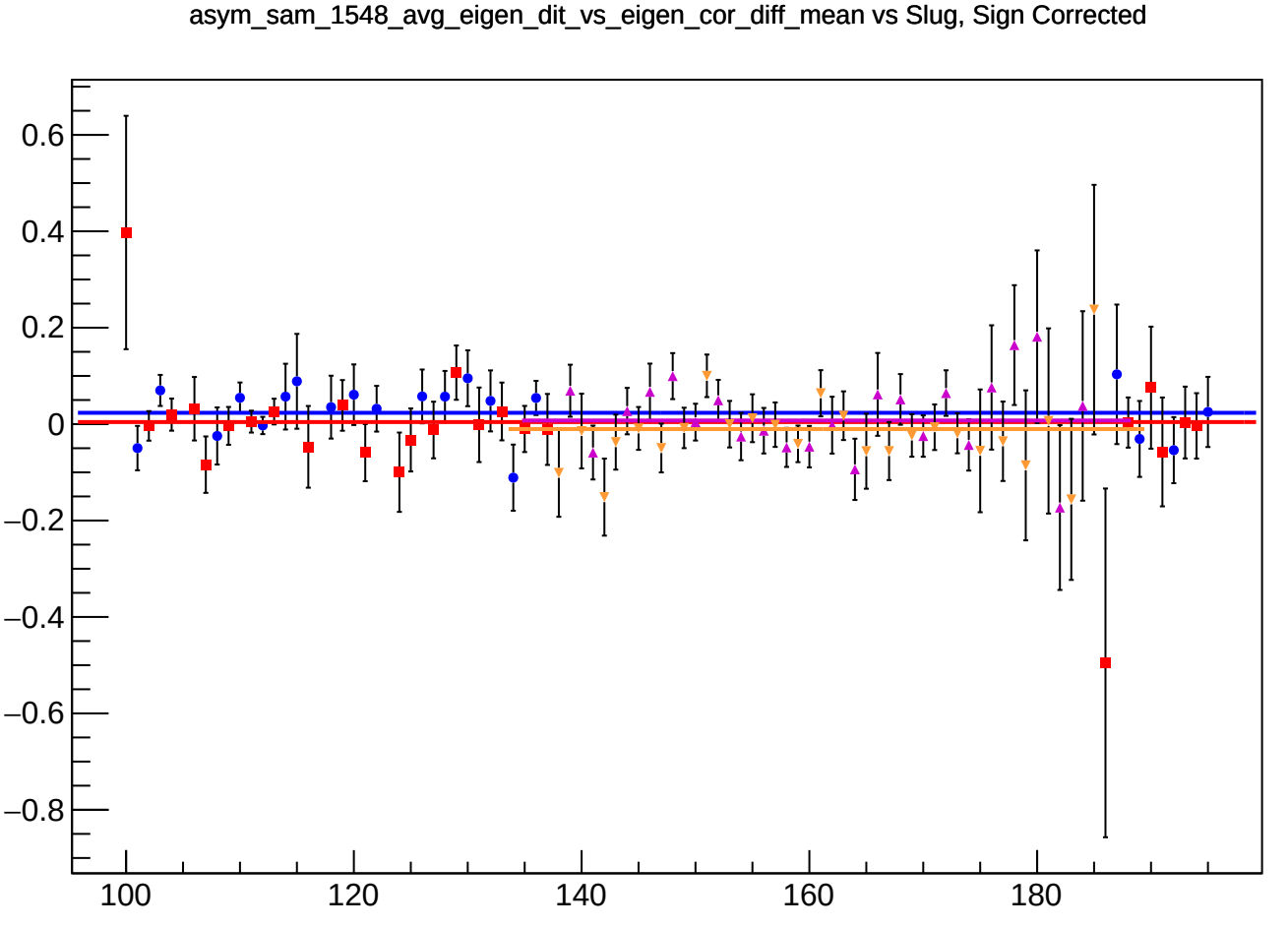
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 27.912+/-0.005 χ^2/NDF: 8216897.9/44

In: 34.999+/-0.005 χ^2/NDF:9896791.5/42

Out: 36.055+/-0.005 χ^2/NDF:10702422.5/49

All: 35.534+/-0.004 χ^2/NDF: 20619129.6/92



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/19

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

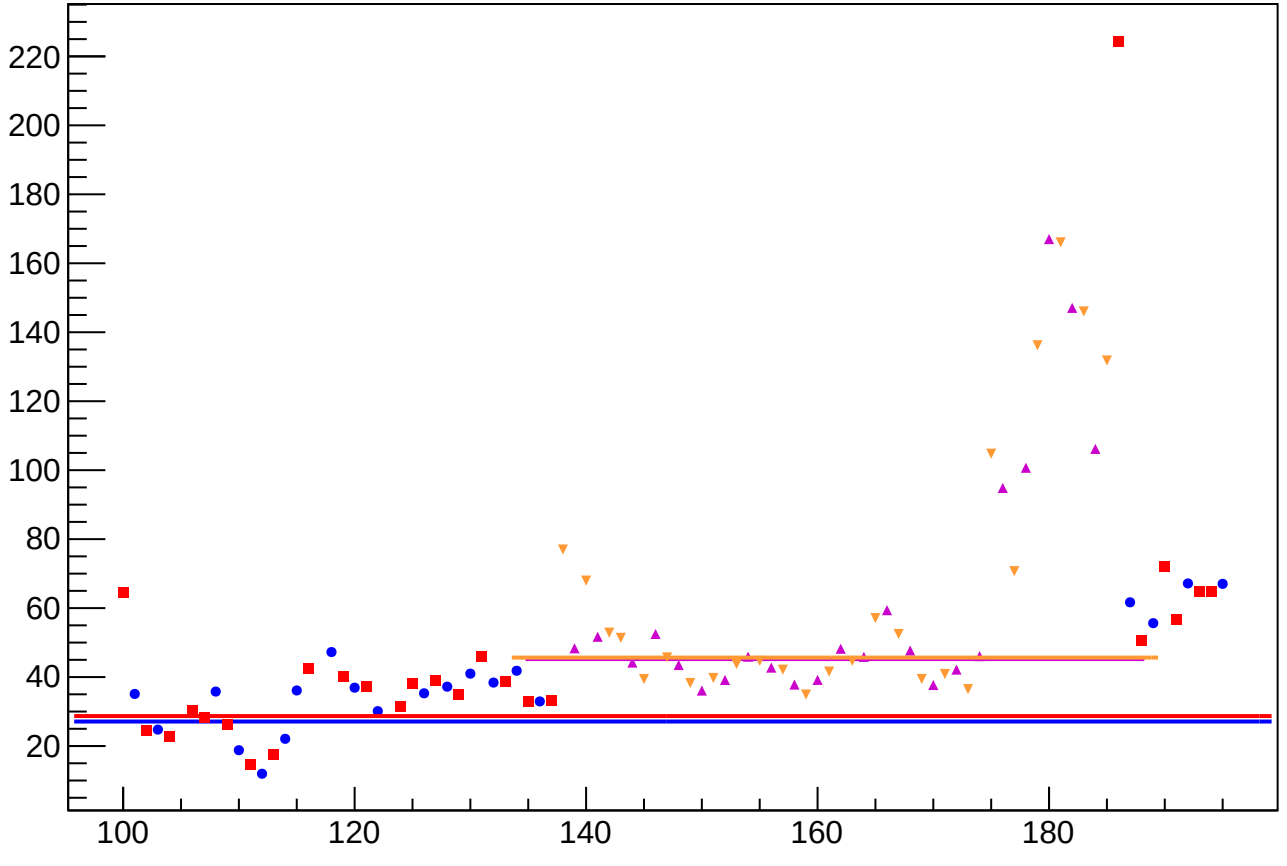
Right: 0.014+/-0.007 χ^2/NDF: 36.6/44

In: 0.017+/-0.008 χ^2/NDF:43.0/42

Out: -0.002+/-0.007 χ^2/NDF:35.2/49

All: 0.007+/-0.005 χ^2/NDF: 81.2/92

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.106+/-0.007 χ^2/NDF: 4064039.7/19

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 28.694+/-0.007 χ^2/NDF: 4127413.0/24

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

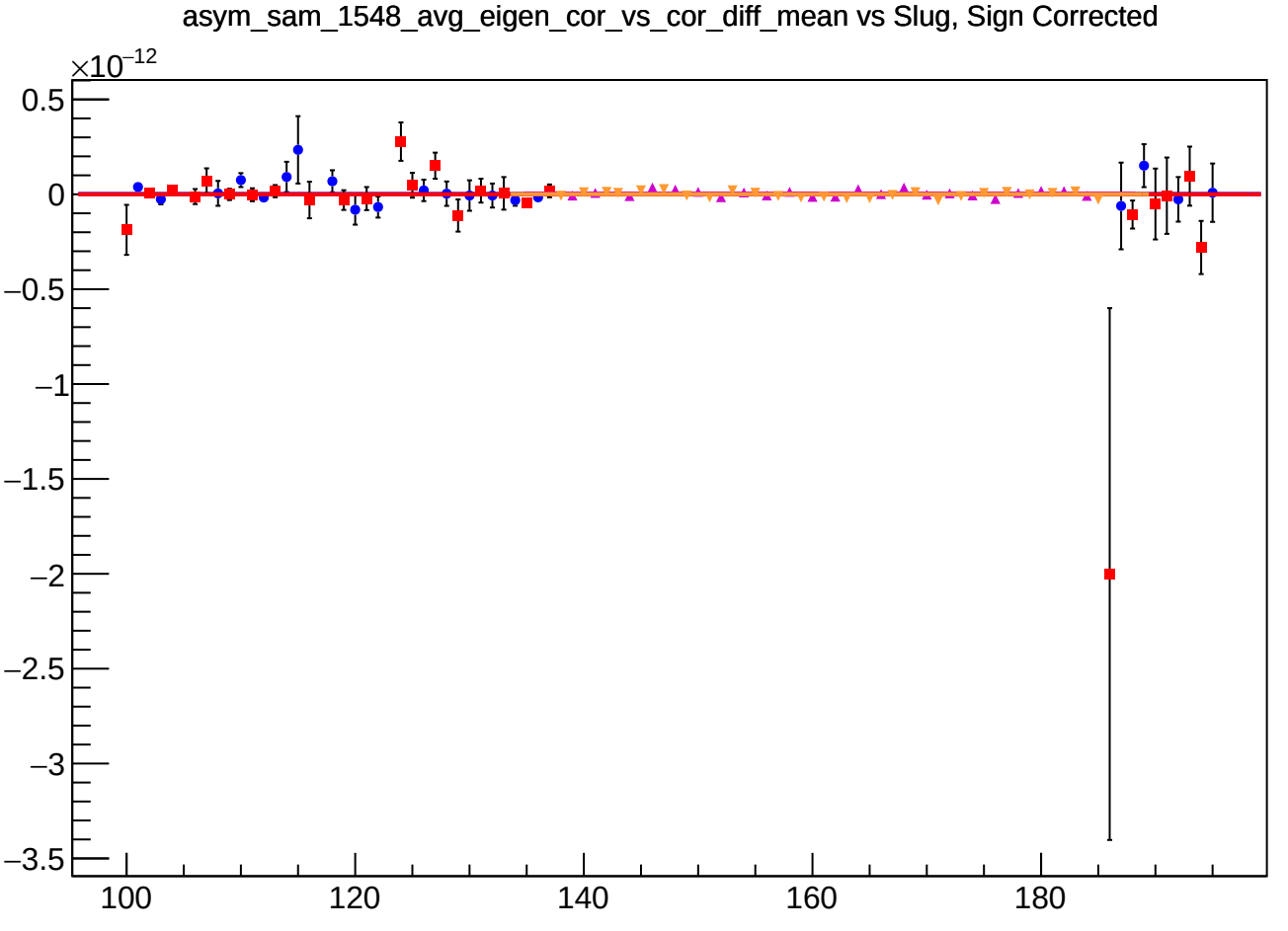
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 27.912+/-0.005 χ^2/NDF: 8216897.9/44

In: 34.999+/-0.005 χ^2/NDF:9896791.5/42

Out: 36.055+/-0.005 χ^2/NDF:10702422.5/49

All: 35.534+/-0.004 χ^2/NDF: 20619129.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.2/24

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

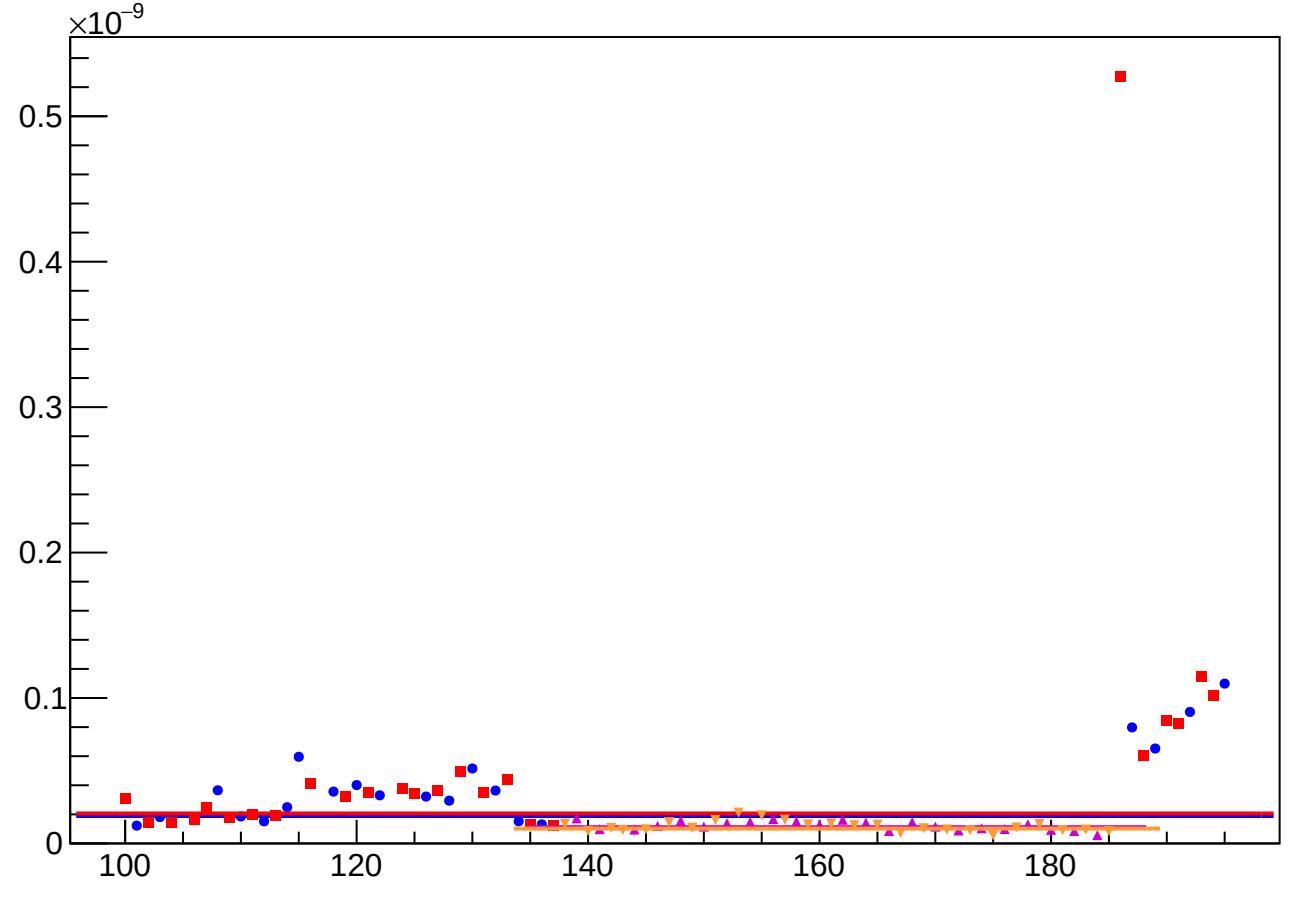
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 52.8/44

In: 0.000+/-0.000 χ^2/NDF:44.4/42

Out: 0.000+/-0.000 χ^2/NDF:57.6/49

All: 0.000+/-0.000 χ^2/NDF: 102.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 3819803.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4350388.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

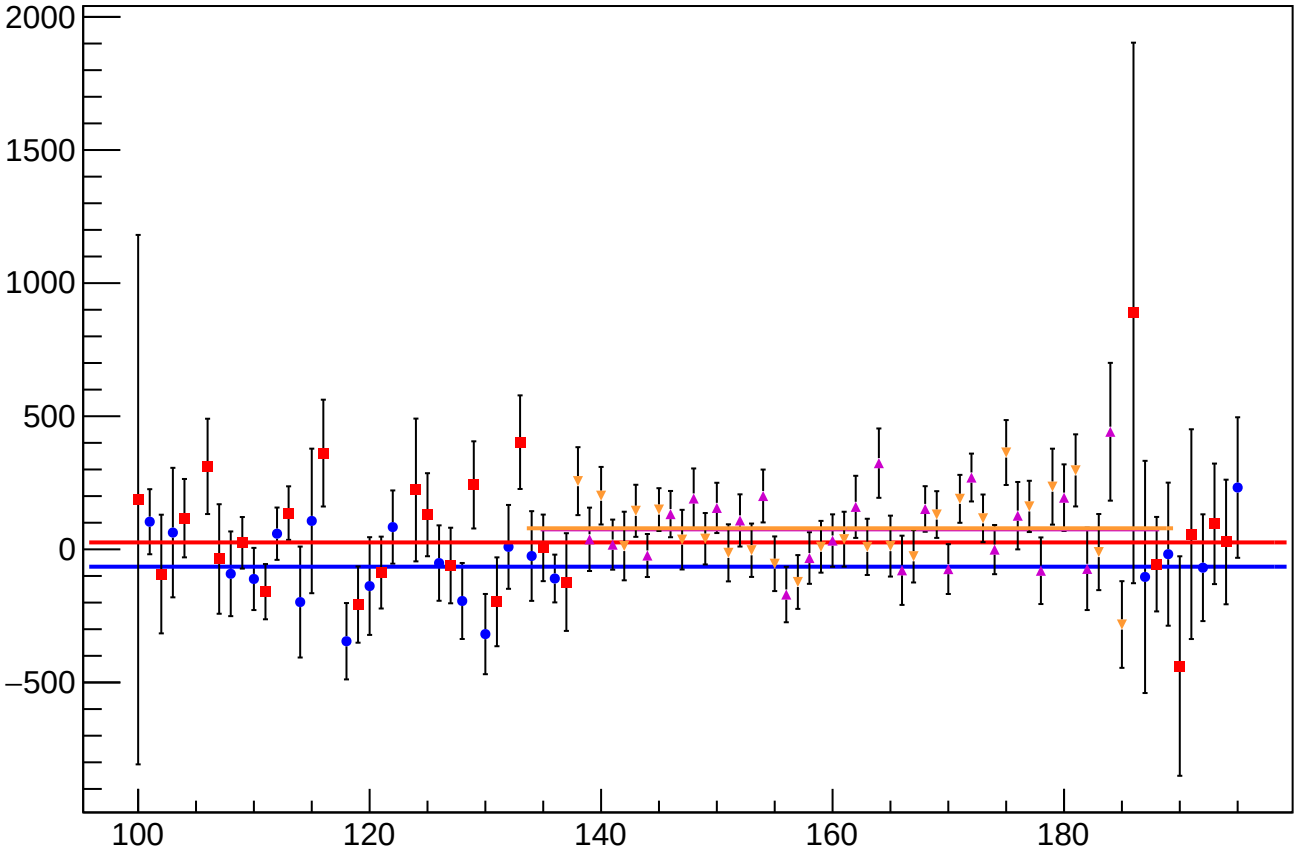
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8210339.0/44

In: 0.000+/-0.000 χ^2/NDF:6762725.3/42

Out: 0.000+/-0.000 χ^2/NDF:9027388.7/49

All: 0.000+/-0.000 χ^2/NDF: 15887602.1/92



Right In: -65.189+/-33.923 χ^2/NDF: 15.4/19

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 26.011+/-32.692 χ^2/NDF: 26.3/24

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

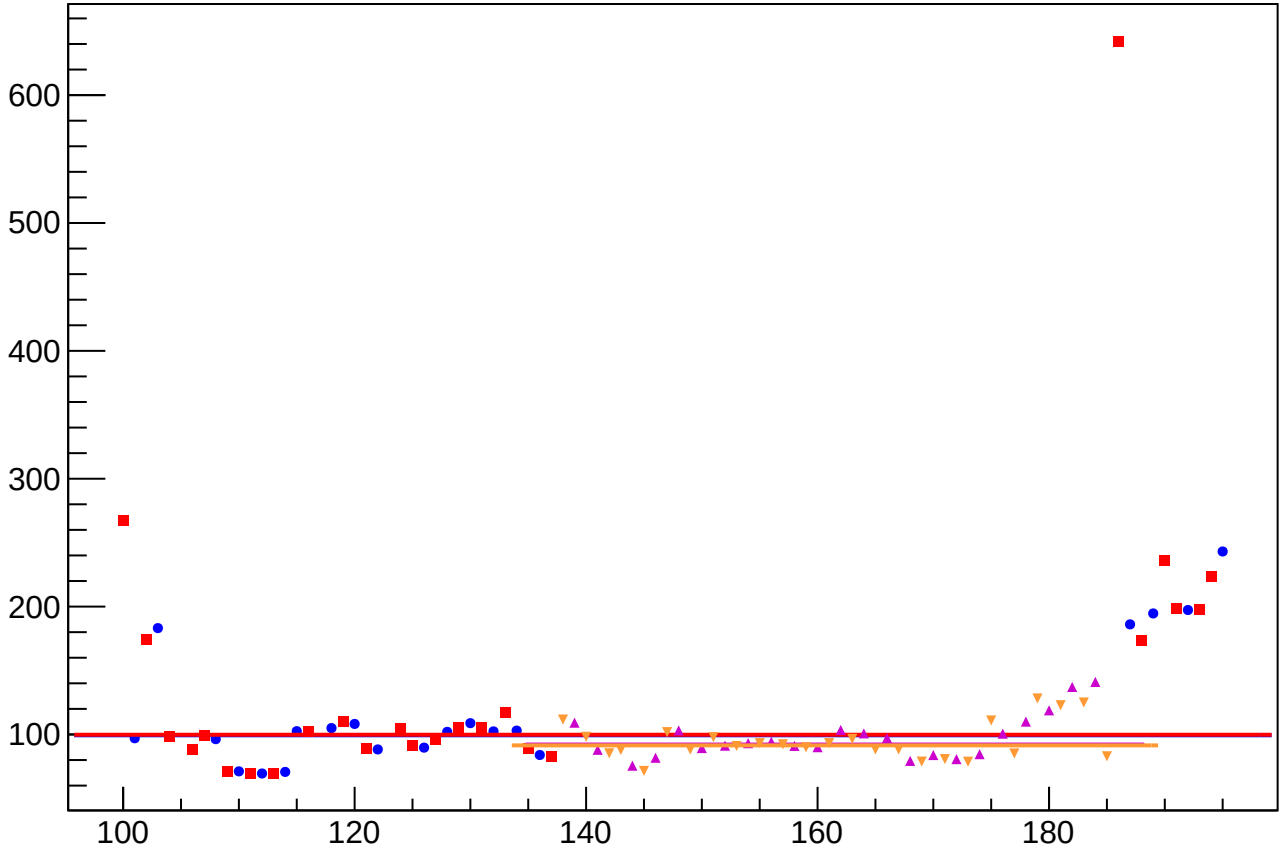
Right: -17.904+/-23.540 χ^2/NDF: 45.5/44

In: 33.963+/-18.362 χ^2/NDF:60.1/42

Out: 63.485+/-17.730 χ^2/NDF:60.2/49

All: 49.240+/-12.754 χ^2/NDF: 121.6/92

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 99.348+/-0.024 χ^2/NDF: 2078884.3/19

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 99.778+/-0.023 χ^2/NDF: 3103991.4/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

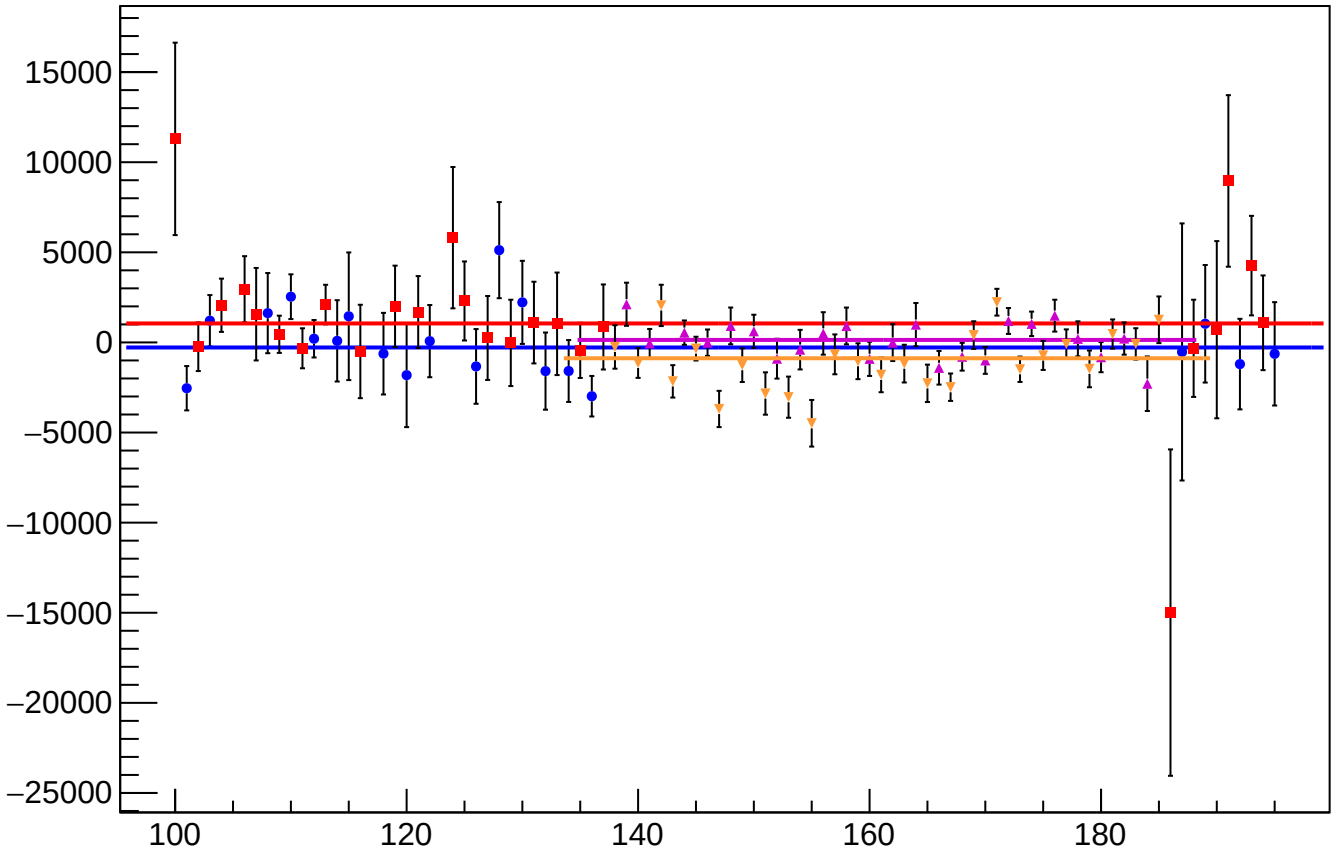
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 99.571+/-0.017 χ^2/NDF: 5183042.4/44

In: 94.224+/-0.013 χ^2/NDF:2843021.2/42

Out: 93.908+/-0.013 χ^2/NDF:3946567.4/49

All: 94.060+/-0.009 χ^2/NDF: 6789895.5/92



Right In: -280.811+/-405.755 χ^2/NDF: 23.8/19

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1052.989+/-385.314 χ^2/NDF: 20.2/24

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

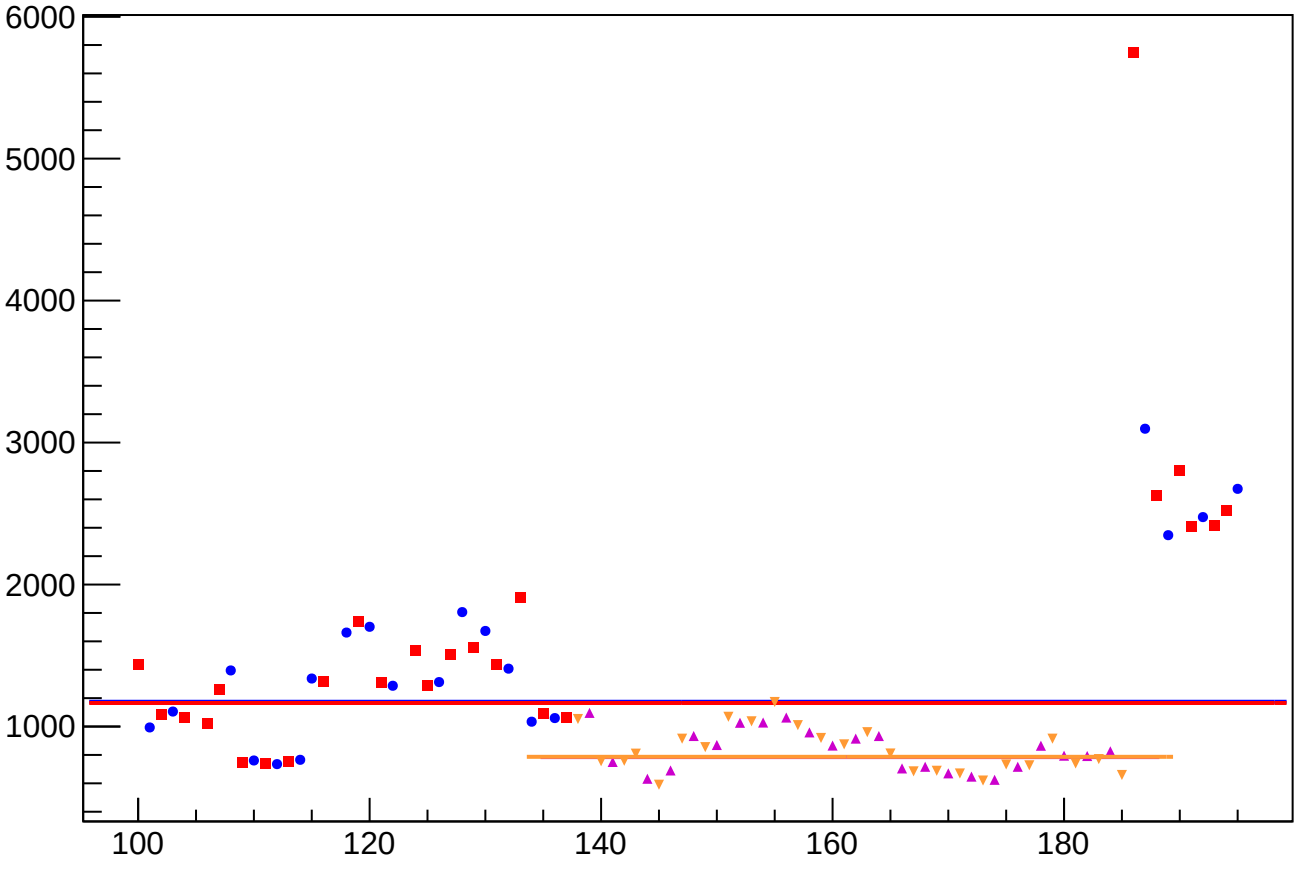
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 420.531+/-279.405 χ^2/NDF: 49.6/44

In: 65.505+/-169.512 χ^2/NDF:48.8/42

Out: -525.552+/-164.704 χ^2/NDF:108.5/49

All: -238.524+/-118.127 χ^2/NDF: 163.6/92



Right In: 1174.480+/-0.287 χ^2/NDF: 2641761.0/19

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1165.905+/-0.272 χ^2/NDF: 3773780.9/24

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

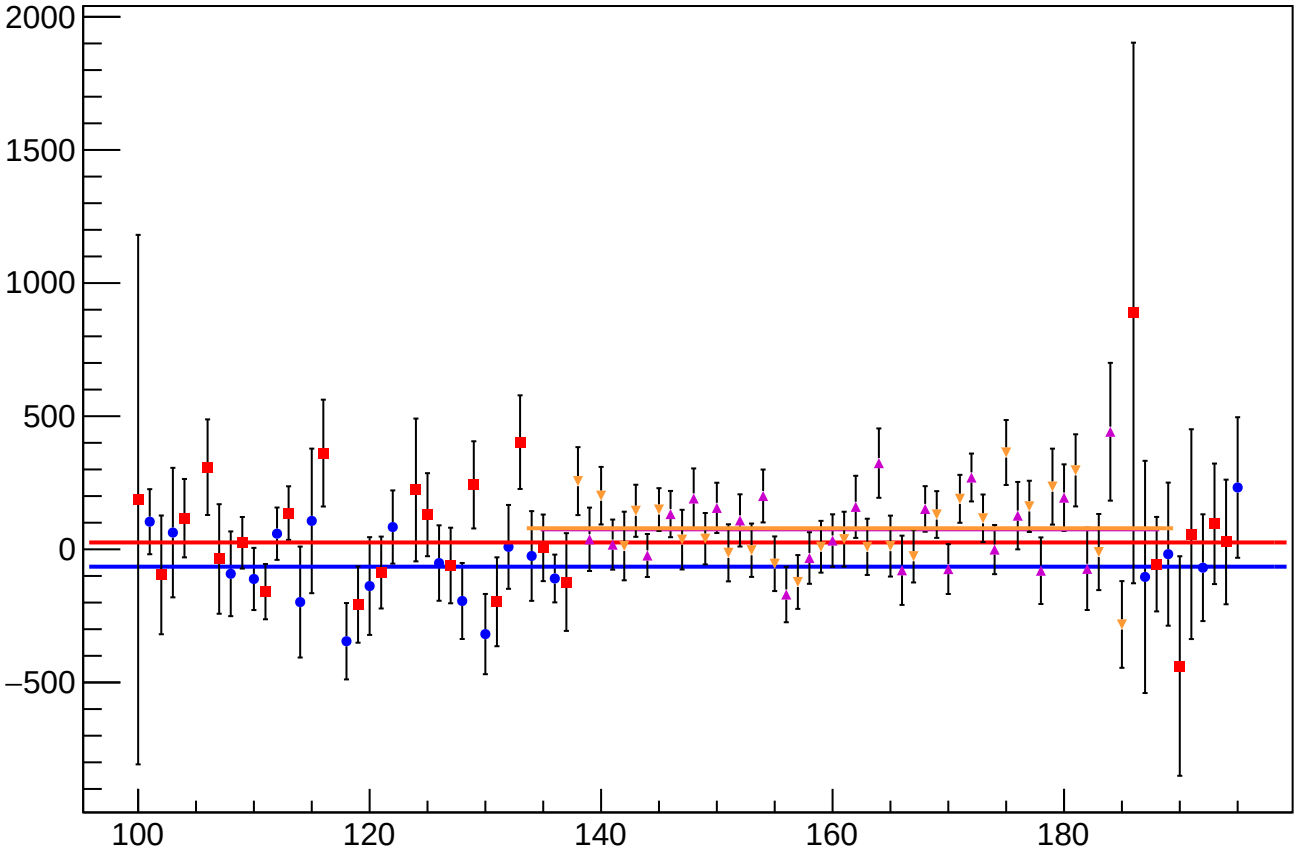
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1169.971+/-0.198 χ^2/NDF: 6416011.5/44

In: 852.838+/-0.120 χ^2/NDF:5227963.1/42

Out: 856.035+/-0.116 χ^2/NDF:6567333.5/49

All: 854.483+/-0.084 χ^2/NDF: 11795662.4/92



Right In: -65.199+/-33.923 χ^2/NDF: 15.4/19

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 25.780+/-32.696 χ^2/NDF: 26.3/24

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

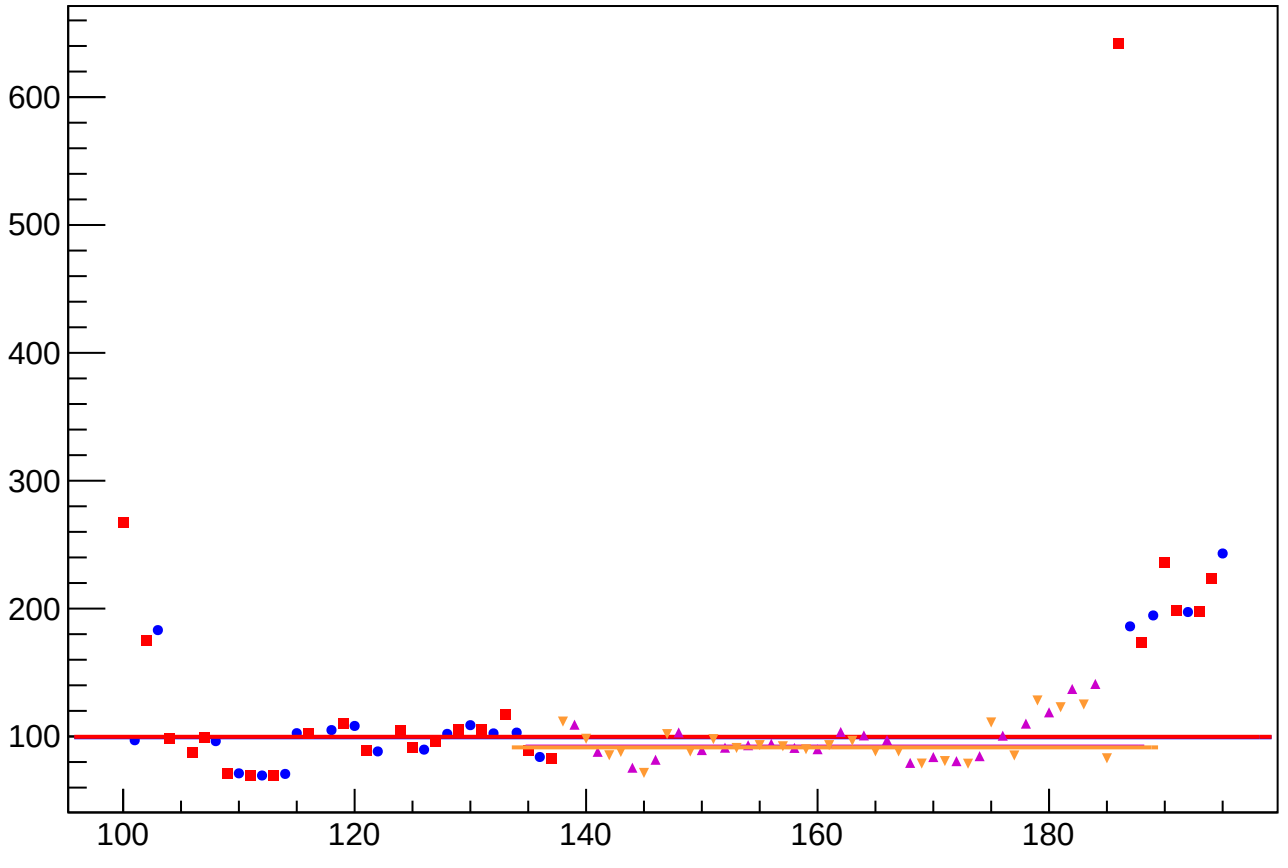
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -18.035+/-23.541 χ^2/NDF: 45.4/44

In: 33.960+/-18.362 χ^2/NDF:60.1/42

Out: 63.425+/-17.730 χ^2/NDF:60.1/49

All: 49.208+/-12.754 χ^2/NDF: 121.6/92



Right In: 99.348+/-0.024 χ^2/NDF: 2078887.4/19

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 99.737+/-0.023 χ^2/NDF: 3106101.9/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

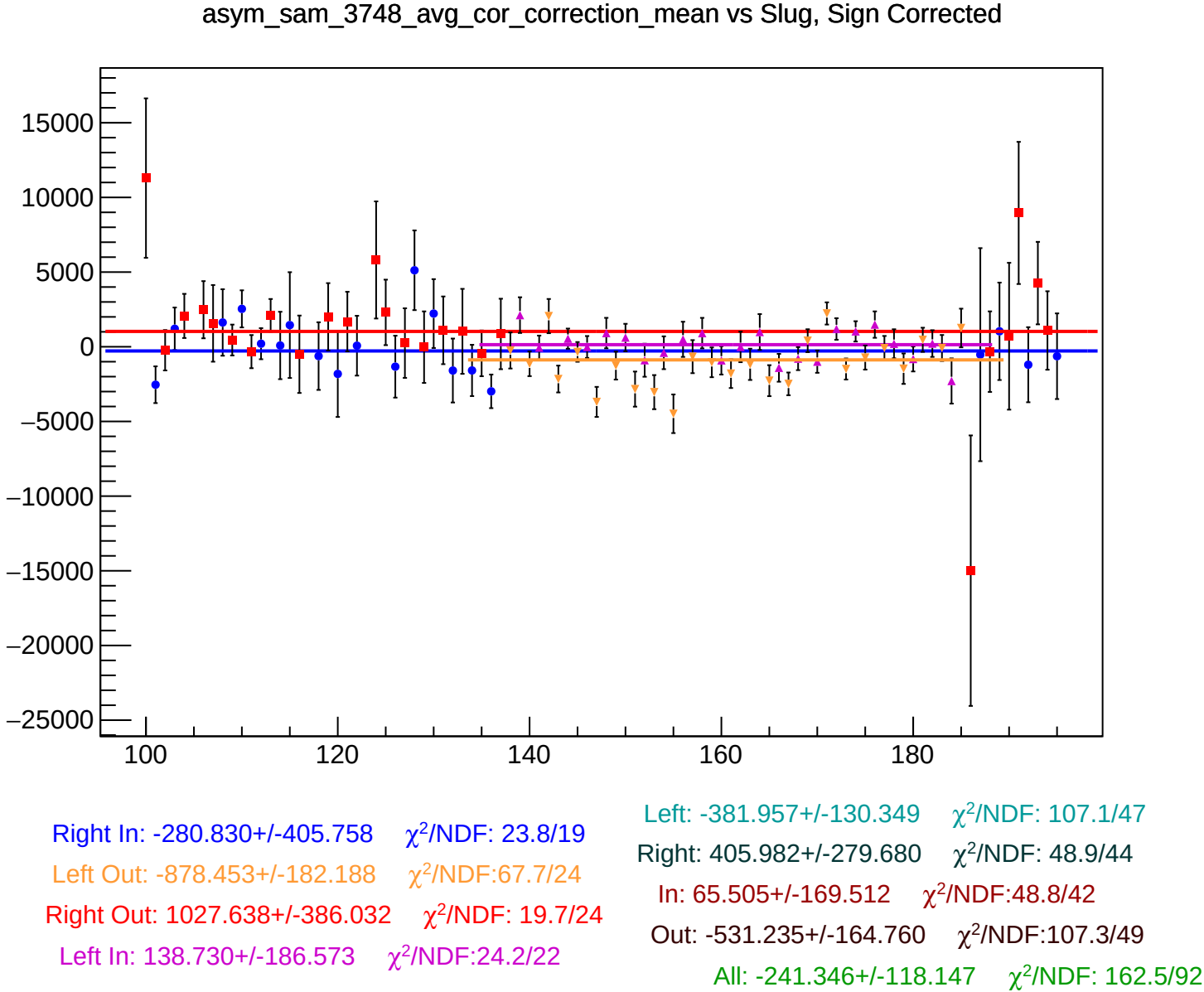
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 99.550+/-0.017 χ^2/NDF: 5185125.6/44

In: 94.224+/-0.013 χ^2/NDF:2843024.4/42

Out: 93.895+/-0.013 χ^2/NDF:3947763.8/49

All: 94.054+/-0.009 χ^2/NDF: 6791119.7/92


asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
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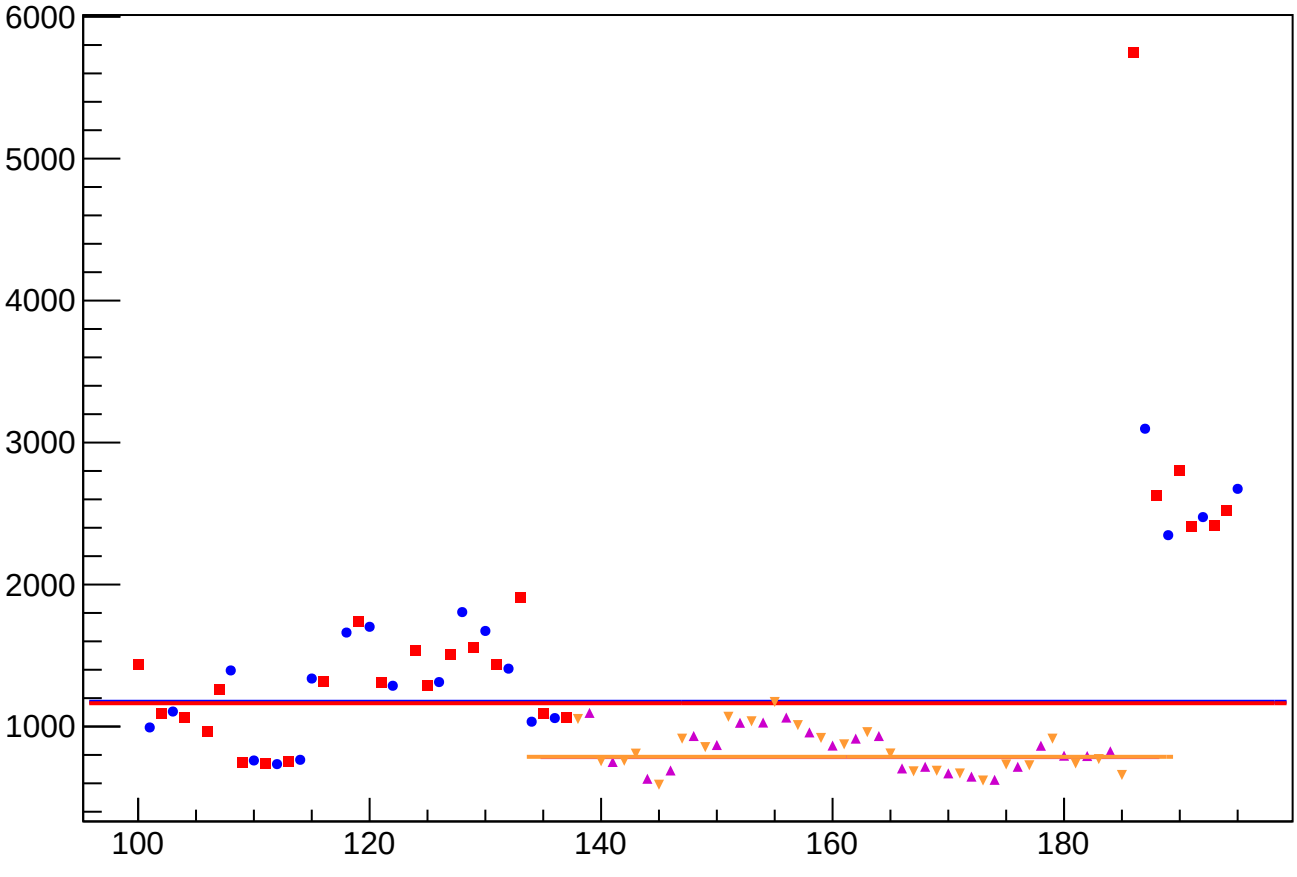
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
Right In: -280.830+/-405.758 χ²/NDF: 23.8/19
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 1027.638+/-386.032 χ²/NDF: 19.7/24
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 405.982+/-279.680 χ²/NDF: 48.9/44
In: 65.505+/-169.512 χ²/NDF:48.8/42
Out: -531.235+/-164.760 χ²/NDF:107.3/49
All: -241.346+/-118.147 χ²/NDF: 162.5/92



Right In: 1174.489+/-0.287 χ^2/NDF: 2641747.7/19

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1164.176+/-0.273 χ^2/NDF: 3783210.5/24

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

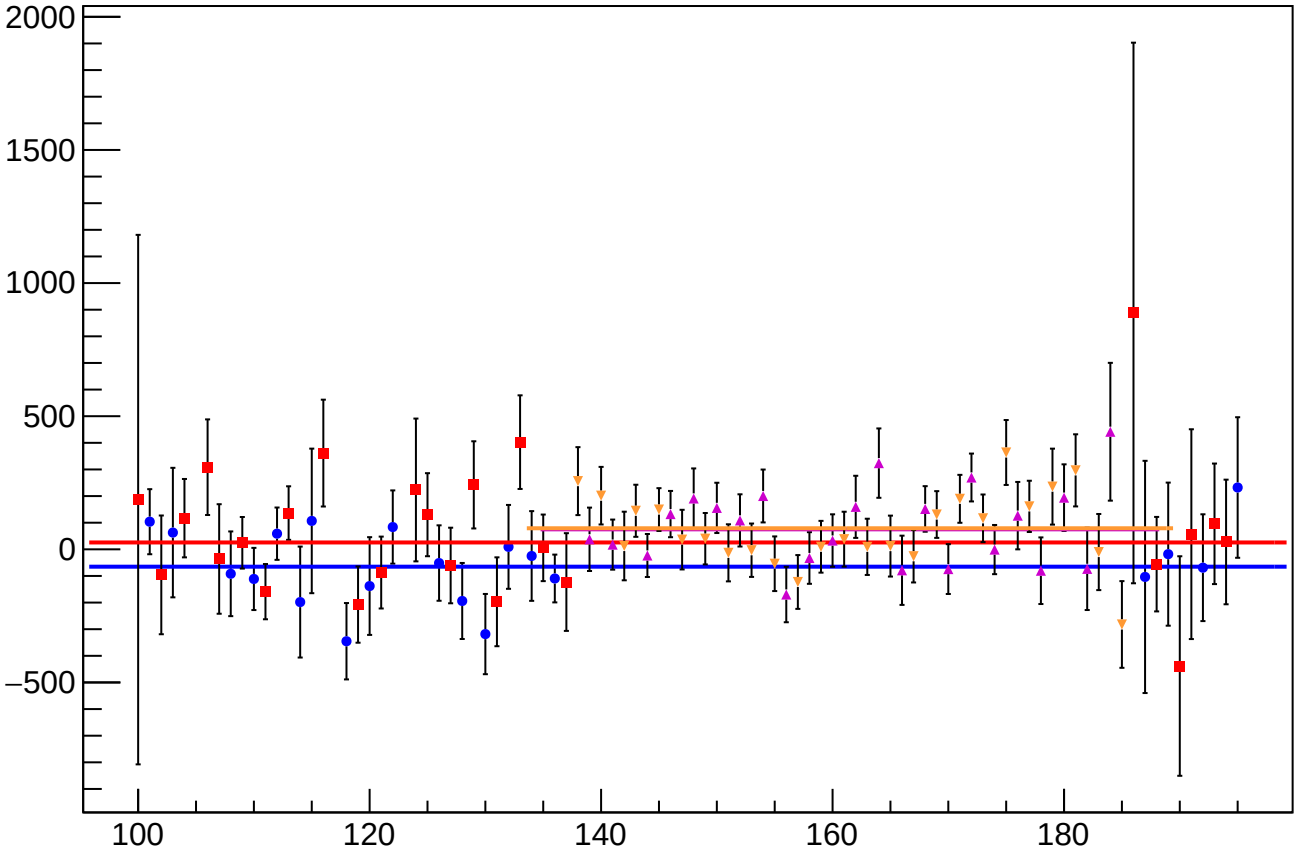
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1169.076+/-0.198 χ^2/NDF: 6425636.3/44

In: 852.839+/-0.120 χ^2/NDF:5228003.1/42

Out: 855.510+/-0.117 χ^2/NDF:6557598.6/49

All: 854.212+/-0.084 χ^2/NDF: 11785856.8/92



Right In: -65.199+/-33.923 χ^2/NDF: 15.4/19

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 25.780+/-32.696 χ^2/NDF: 26.3/24

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

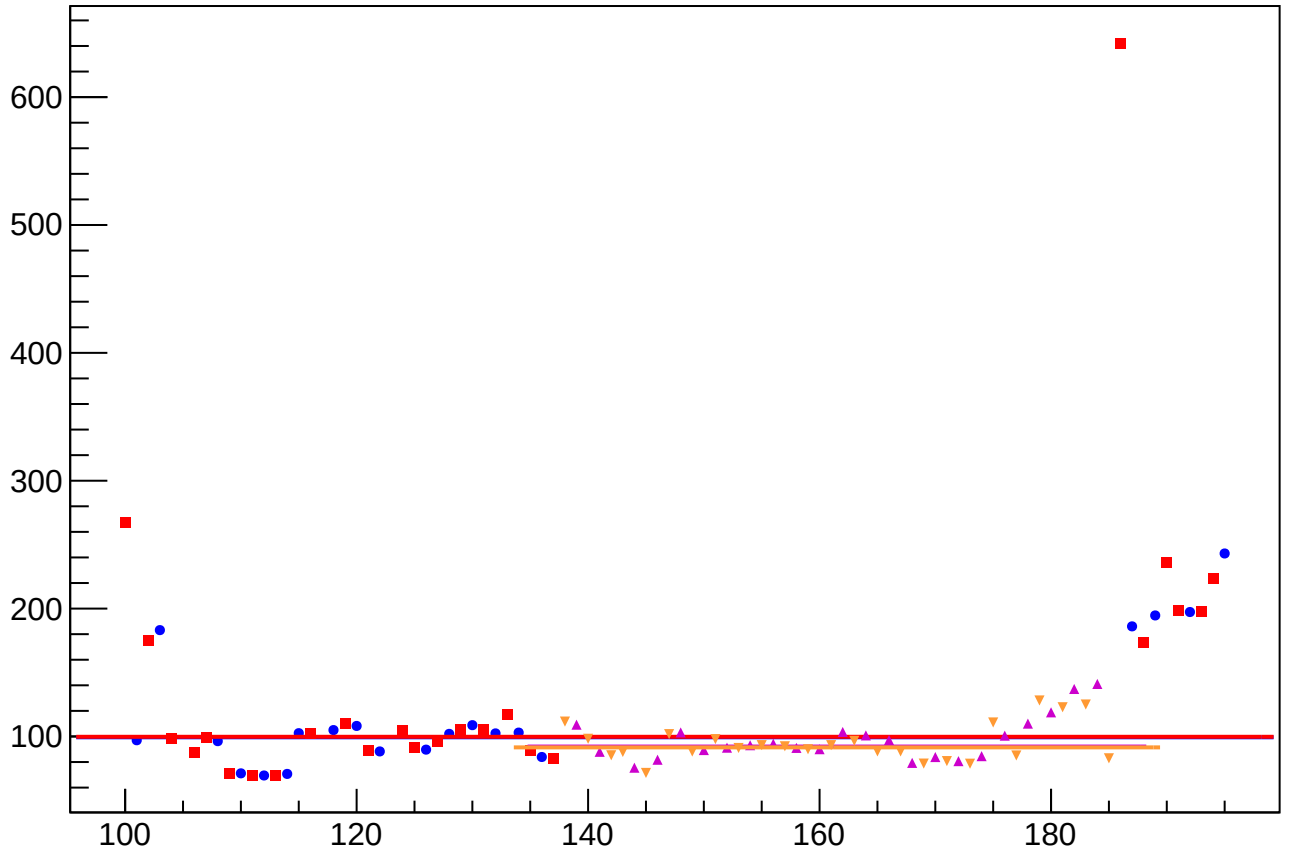
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -18.035+/-23.541 χ^2/NDF: 45.4/44

In: 33.960+/-18.362 χ^2/NDF:60.1/42

Out: 63.425+/-17.730 χ^2/NDF:60.1/49

All: 49.208+/-12.754 χ^2/NDF: 121.6/92



Right In: 99.348+/-0.024 χ^2/NDF: 2078887.4/19

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 99.737+/-0.023 χ^2/NDF: 3106101.9/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

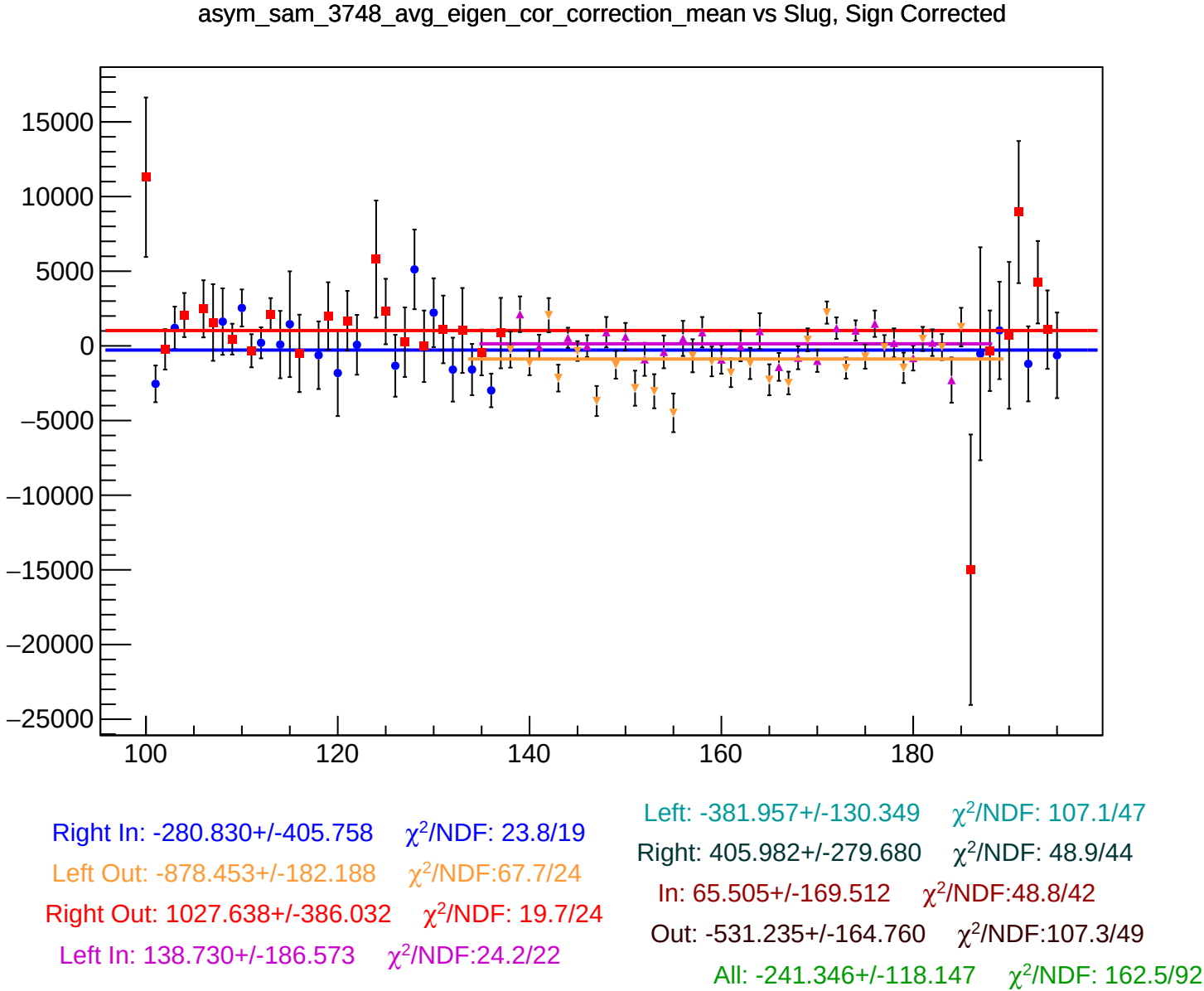
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 99.550+/-0.017 χ^2/NDF: 5185125.6/44

In: 94.224+/-0.013 χ^2/NDF:2843024.4/42

Out: 93.895+/-0.013 χ^2/NDF:3947763.8/49

All: 94.054+/-0.009 χ^2/NDF: 6791119.7/92


asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
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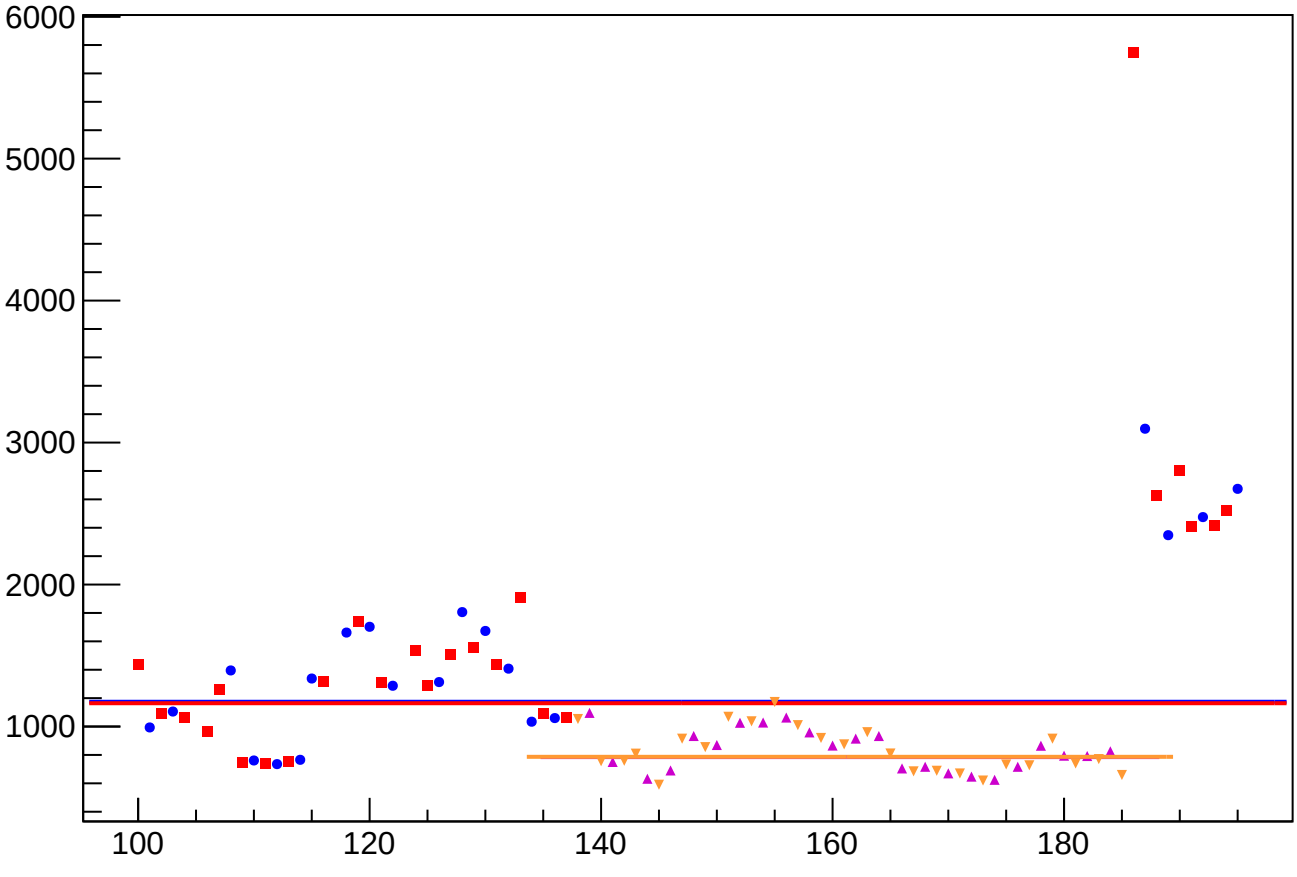
Right In: -280.830+/-405.758 χ²/NDF: 23.8/19
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 1027.638+/-386.032 χ²/NDF: 19.7/24
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 405.982+/-279.680 χ²/NDF: 48.9/44
In: 65.505+/-169.512 χ²/NDF:48.8/42
Out: -531.235+/-164.760 χ²/NDF:107.3/49
All: -241.346+/-118.147 χ²/NDF: 162.5/92

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1174.489+/-0.287 χ^2/NDF: 2641747.7/19

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1164.176+/-0.273 χ^2/NDF: 3783210.5/24

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

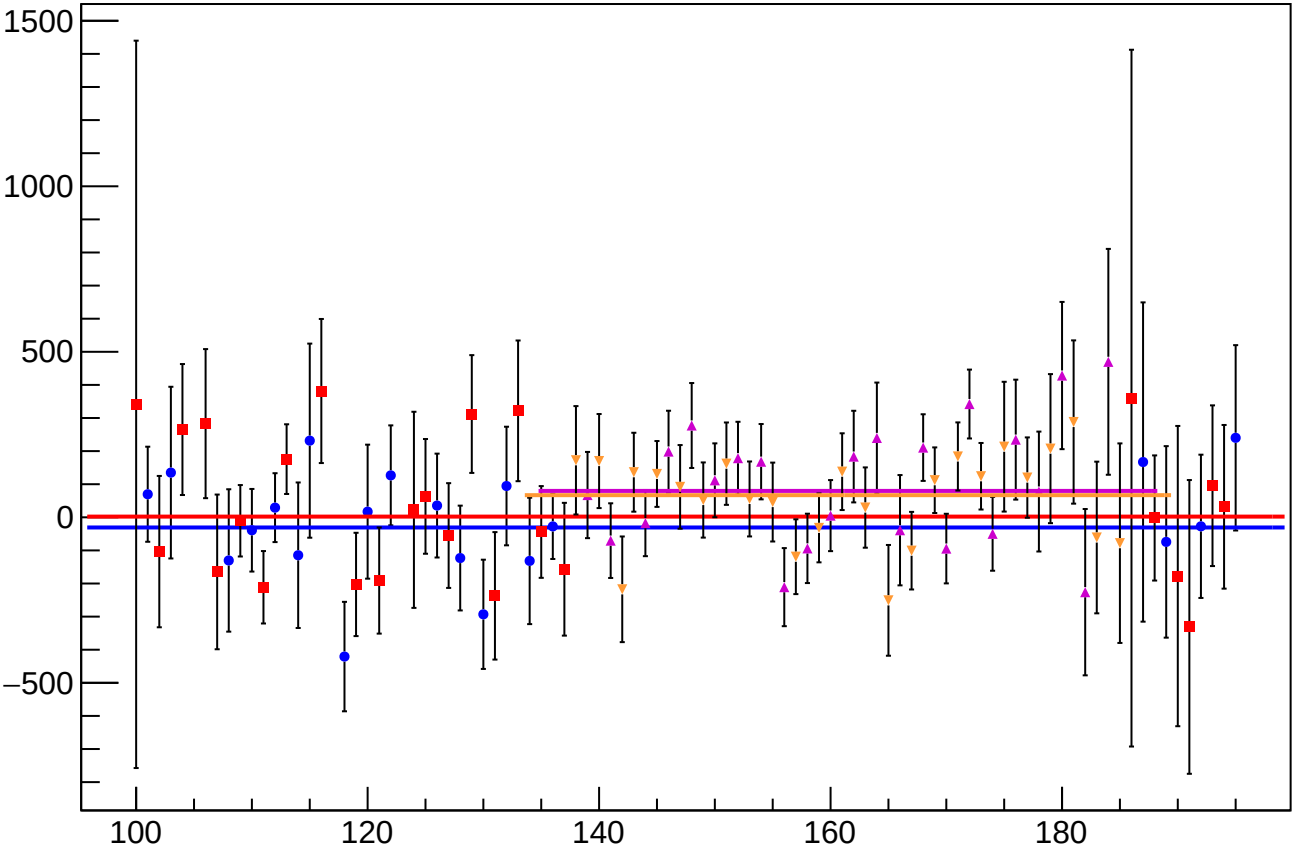
Right: 1169.076+/-0.198 χ^2/NDF: 6425636.3/44

In: 852.839+/-0.120 χ^2/NDF:5228003.1/42

Out: 855.510+/-0.117 χ^2/NDF:6557598.6/49

All: 854.212+/-0.084 χ^2/NDF: 11785856.8/92

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -30.721+/-37.579 χ^2/NDF: 14.0/19

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 2.142+/-36.304 χ^2/NDF: 25.7/24

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

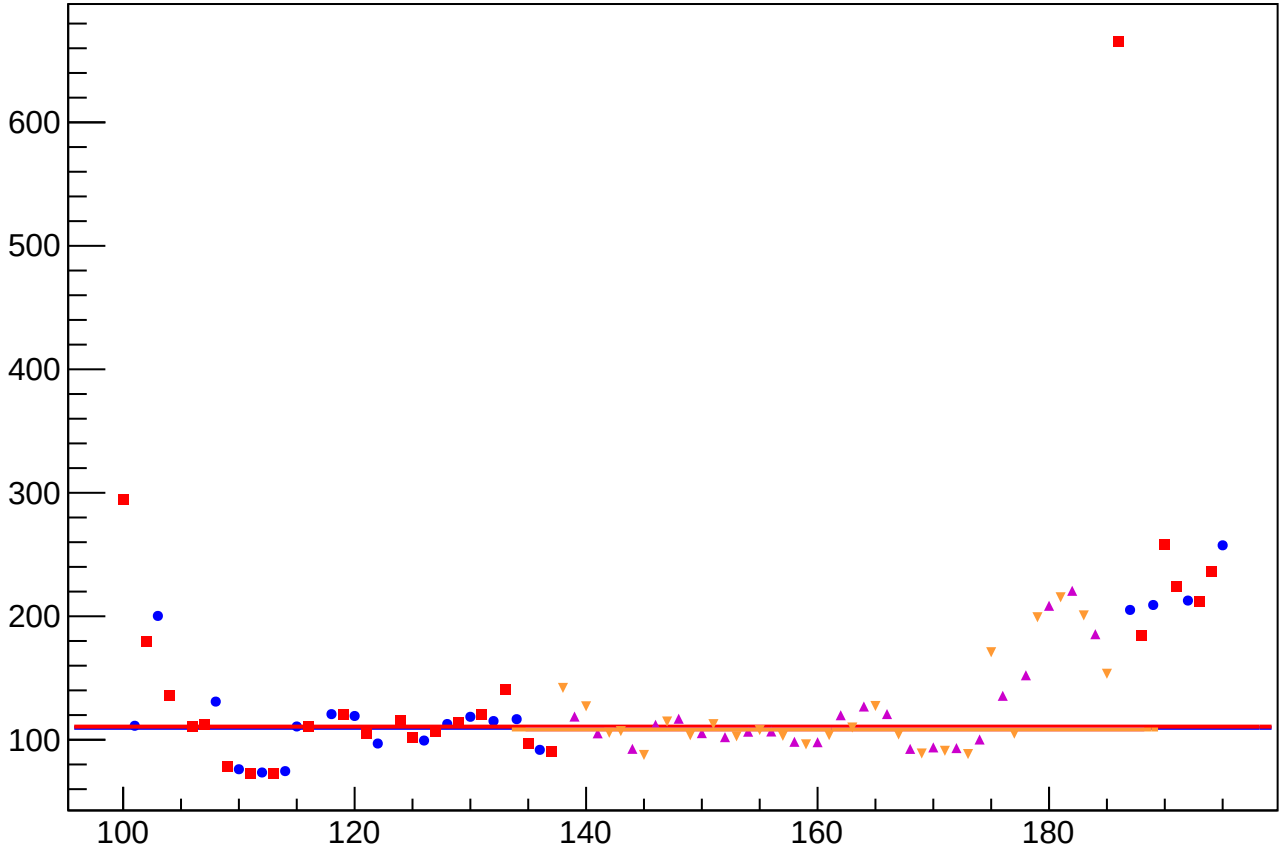
Right: -13.723+/-26.110 χ^2/NDF: 40.2/44

In: 43.443+/-21.546 χ^2/NDF:56.8/42

Out: 45.410+/-20.913 χ^2/NDF:47.5/49

All: 44.456+/-15.007 χ^2/NDF: 104.2/92

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 109.675+/-0.027 χ^2/NDF: 2140278.8/19

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 110.647+/-0.026 χ^2/NDF: 3112215.4/24

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

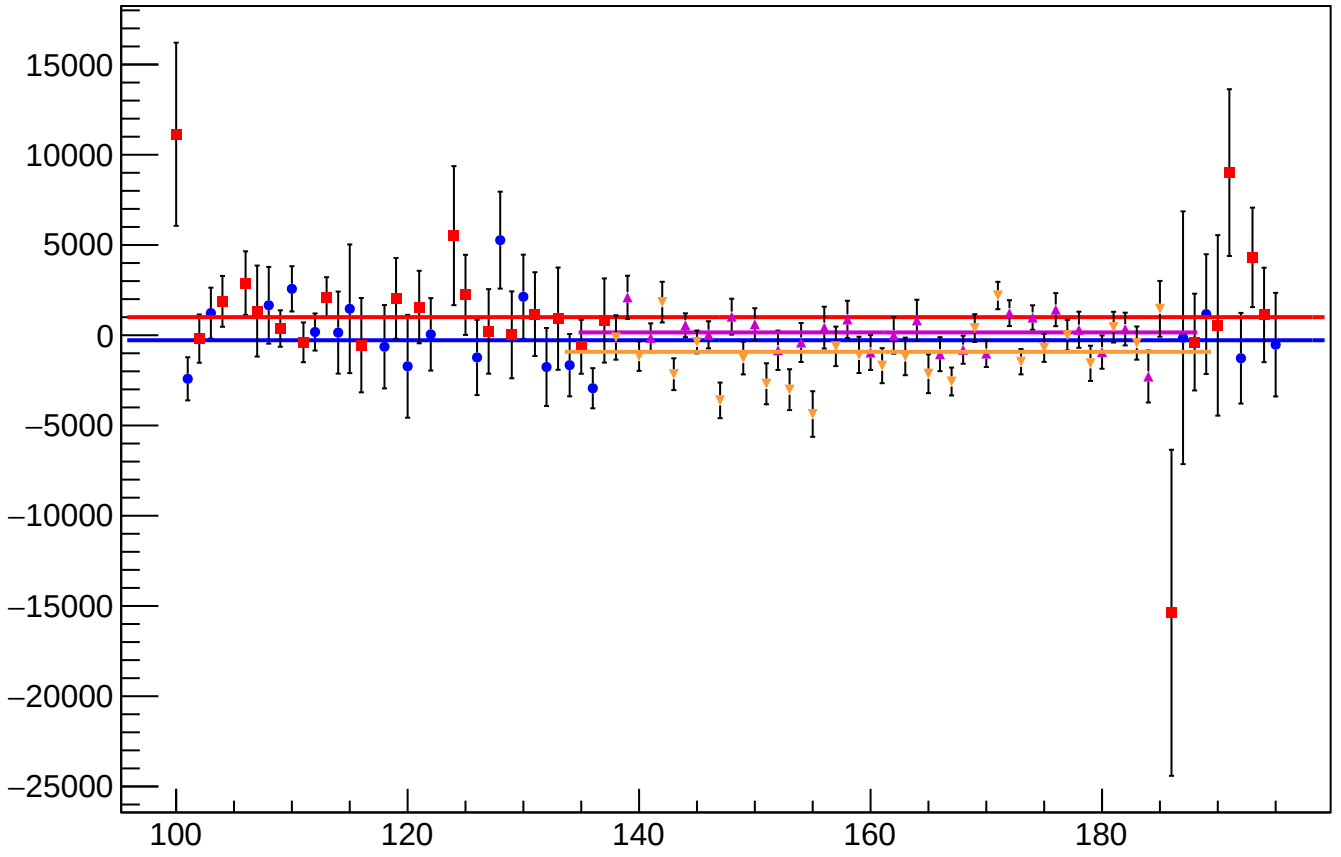
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 110.178+/-0.018 χ^2/NDF: 5253186.6/44

In: 108.881+/-0.015 χ^2/NDF:3521006.3/42

Out: 109.099+/-0.015 χ^2/NDF:4892258.3/49

All: 108.993+/-0.011 χ^2/NDF: 8413369.9/92



Right In: -277.180+/-403.560 χ^2/NDF: 23.8/19

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 1002.369+/-381.095 χ^2/NDF: 21.2/24

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

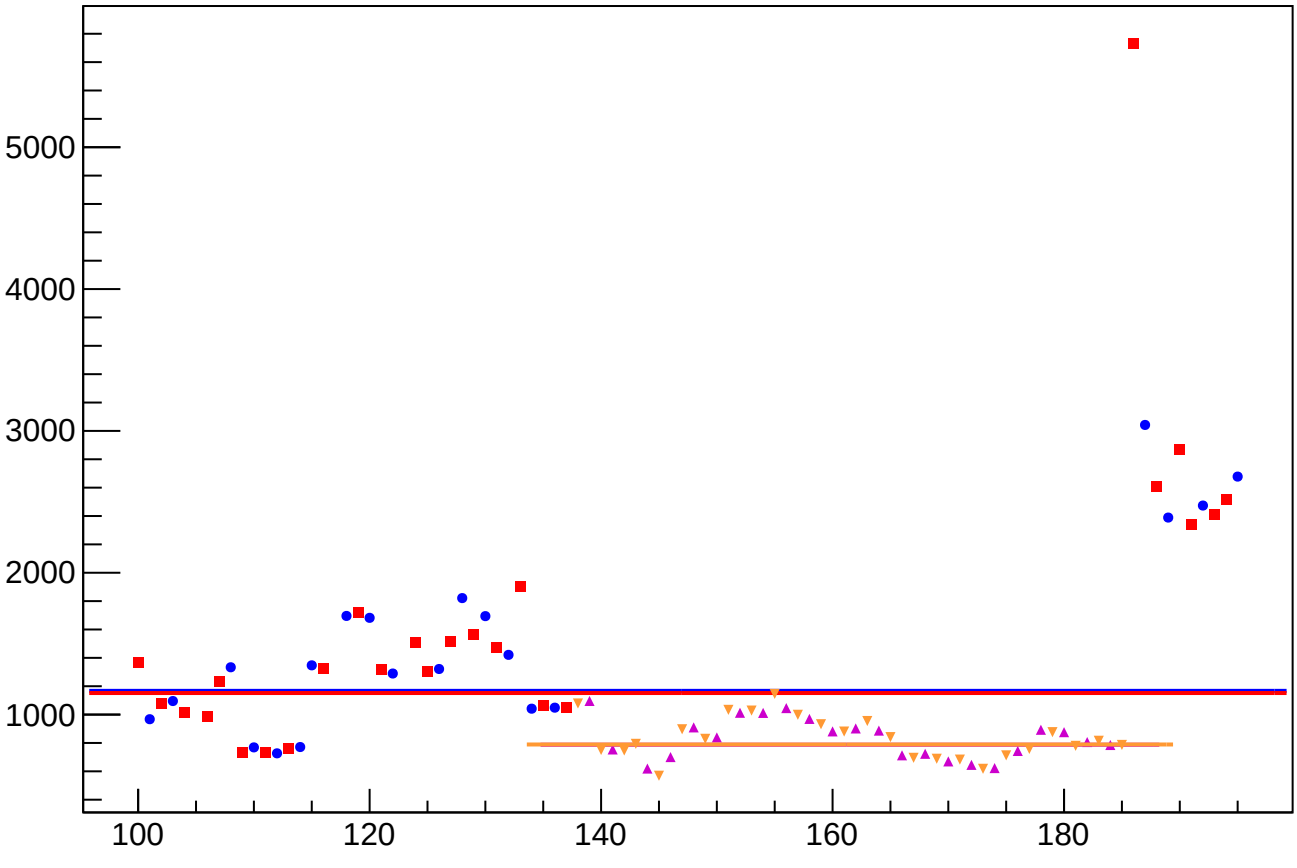
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 399.199+/-277.077 χ^2/NDF: 50.3/44

In: 79.248+/-169.756 χ^2/NDF:47.8/42

Out: -560.481+/-164.571 χ^2/NDF:105.9/49

All: -250.535+/-118.160 χ^2/NDF: 161.1/92



Right In: 1167.320+/-0.285 χ^2/NDF: 2687933.2/19

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1152.006+/-0.269 χ^2/NDF: 3838766.6/24

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

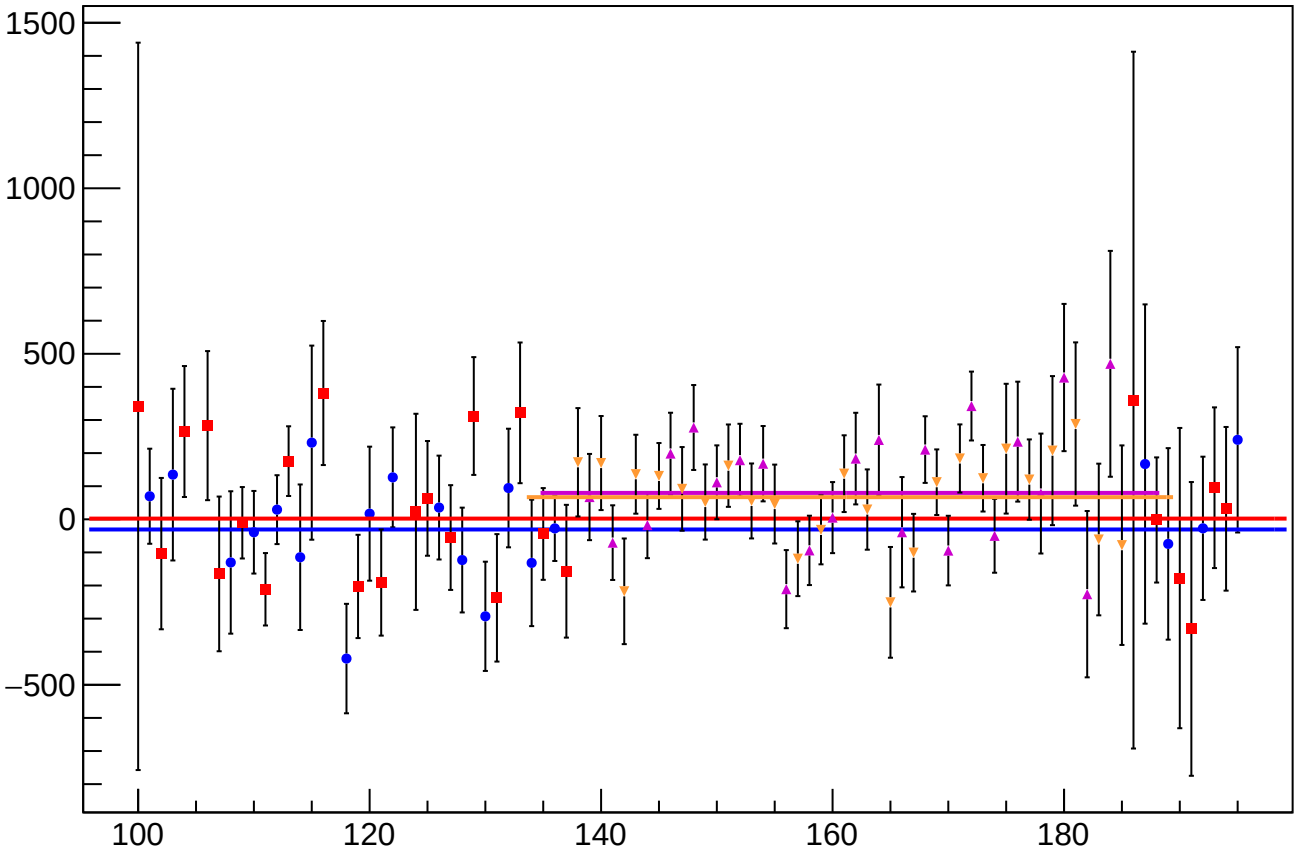
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1159.225+/-0.196 χ^2/NDF: 6528222.3/44

In: 854.616+/-0.120 χ^2/NDF:5188312.2/42

Out: 856.898+/-0.116 χ^2/NDF:6489777.8/49

All: 855.792+/-0.084 χ^2/NDF: 11678276.2/92



Right In: -30.720+/-37.579 χ^2/NDF: 14.0/19

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 2.141+/-36.304 χ^2/NDF: 25.7/24

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

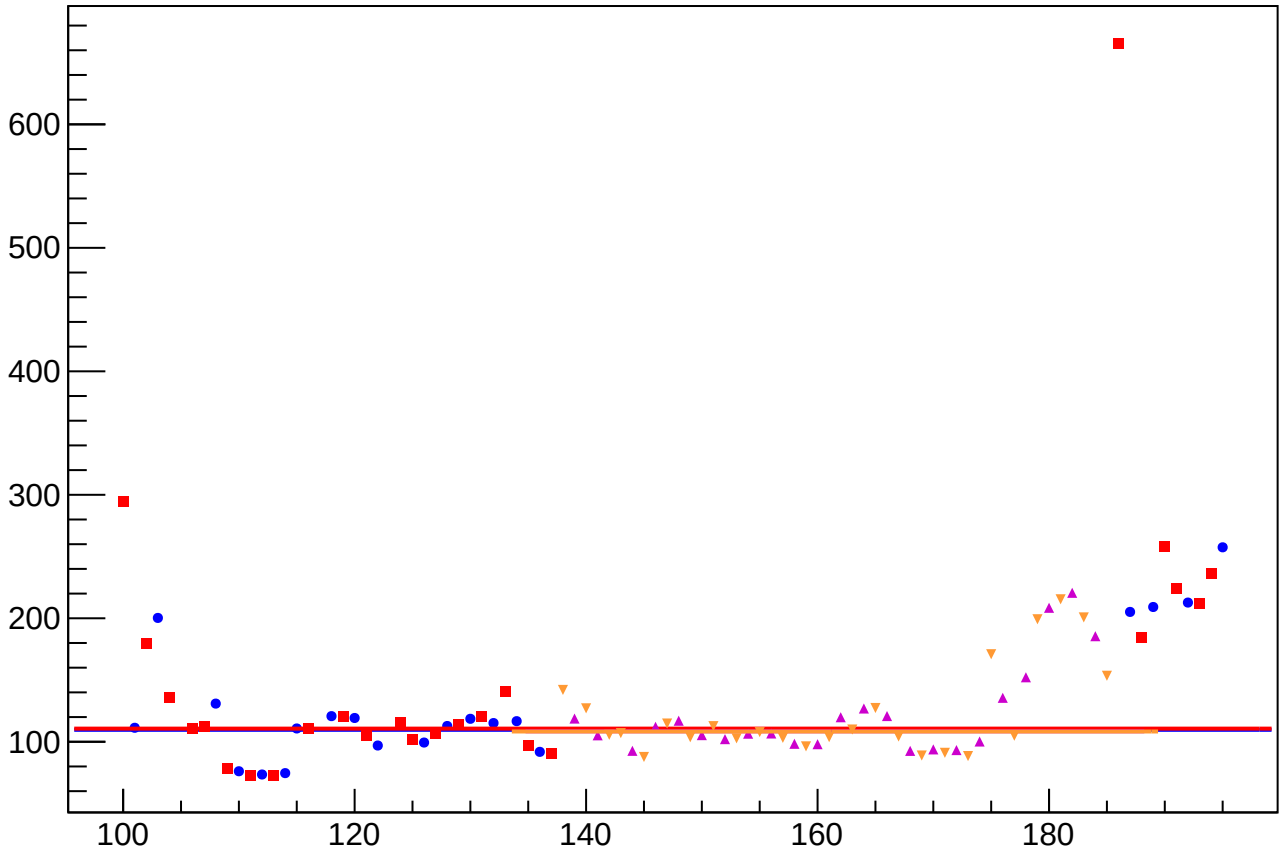
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -13.723+/-26.110 χ^2/NDF: 40.2/44

In: 43.443+/-21.546 χ^2/NDF:56.8/42

Out: 45.410+/-20.913 χ^2/NDF:47.5/49

All: 44.456+/-15.007 χ^2/NDF: 104.2/92



Right In: 109.675+/-0.027 χ^2/NDF: 2140274.0/19

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 110.647+/-0.026 χ^2/NDF: 3112220.9/24

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

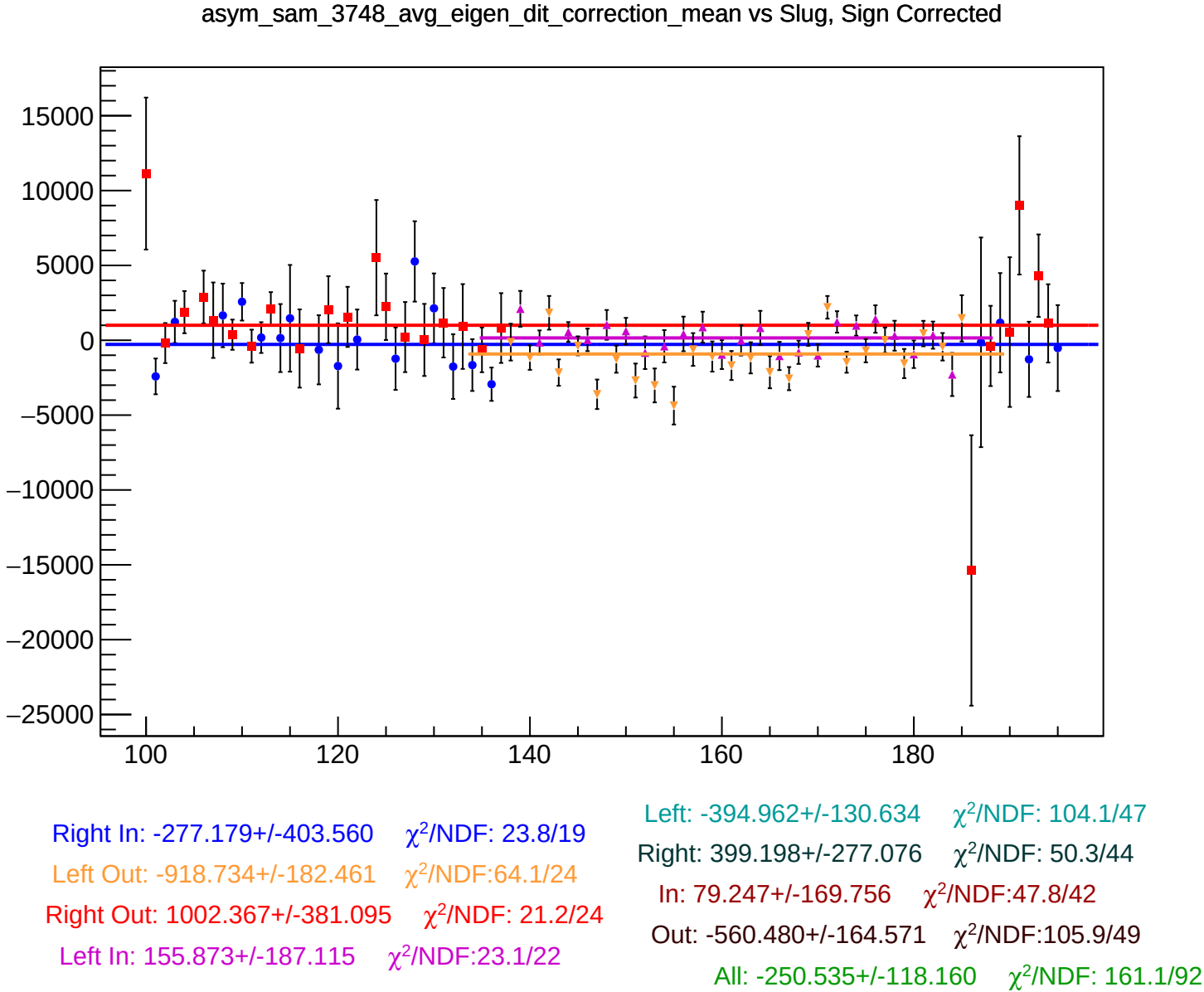
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 110.178+/-0.018 χ^2/NDF: 5253187.3/44

In: 108.881+/-0.015 χ^2/NDF:3520982.1/42

Out: 109.099+/-0.015 χ^2/NDF:4892257.8/49

All: 108.994+/-0.011 χ^2/NDF: 8413345.1/92


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
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−20000
−25000
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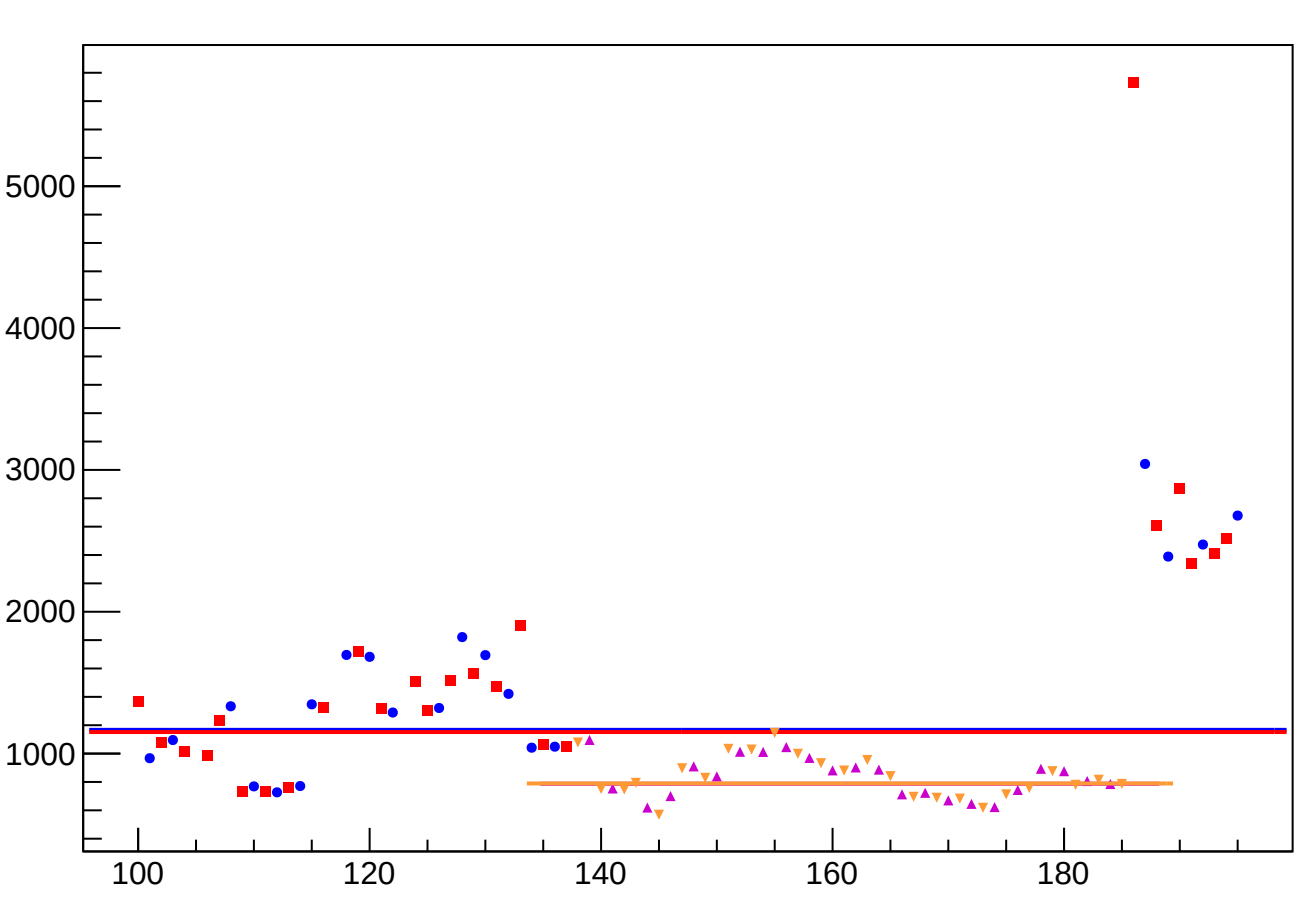
180
Right In: -277.179+/-403.560 χ²/NDF: 23.8/19
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 1002.367+/-381.095 χ²/NDF: 21.2/24
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 399.198+/-277.076 χ²/NDF: 50.3/44
In: 79.247+/-169.756 χ²/NDF:47.8/42
Out: -560.480+/-164.571 χ²/NDF:105.9/49
All: -250.535+/-118.160 χ²/NDF: 161.1/92



Right In: 1167.318+/-0.285 χ^2/NDF: 2687940.1/19

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1152.004+/-0.269 χ^2/NDF: 3838768.4/24

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

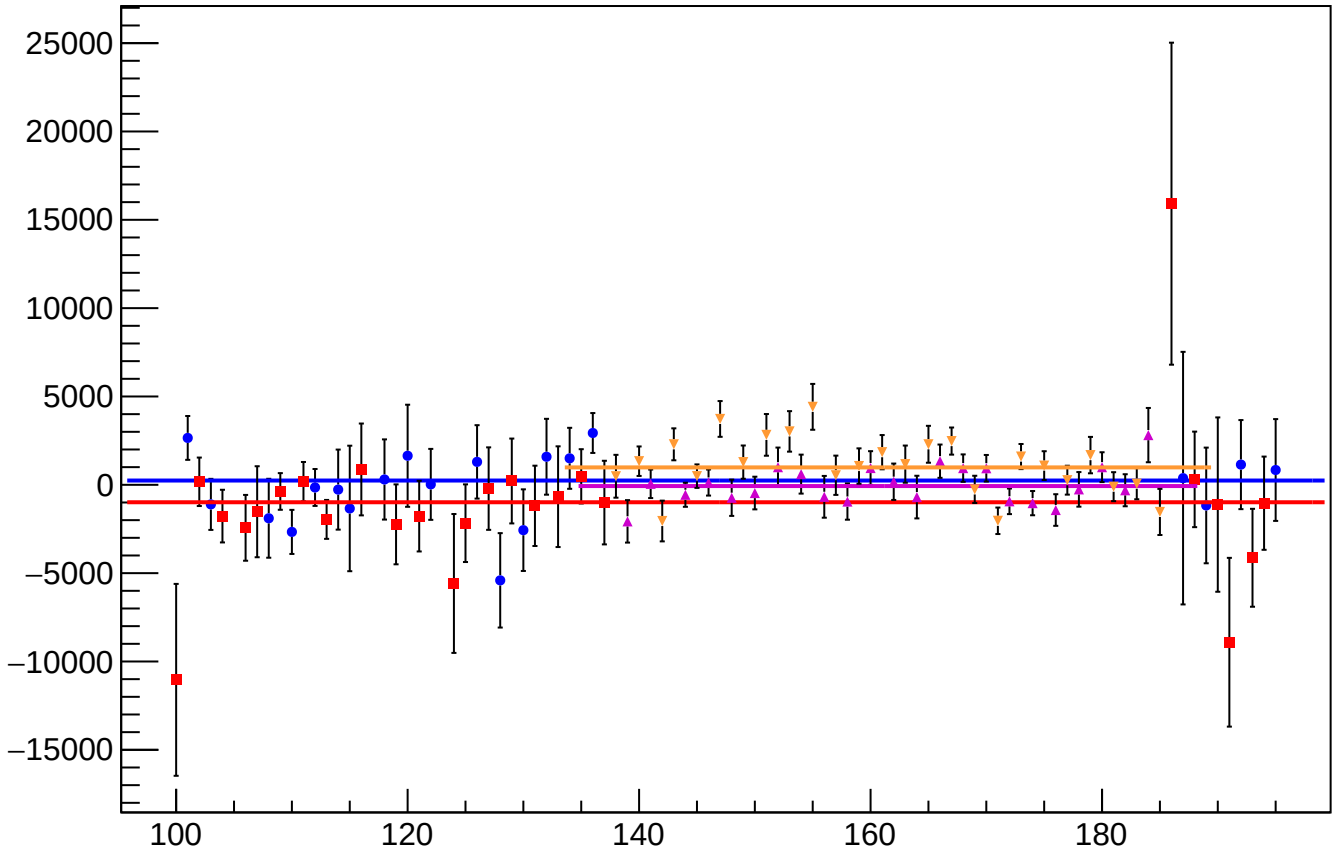
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1159.223+/-0.196 χ^2/NDF: 6528230.9/44

In: 854.614+/-0.120 χ^2/NDF:5188318.5/42

Out: 856.896+/-0.116 χ^2/NDF:6489783.5/49

All: 855.791+/-0.084 χ^2/NDF: 11678288.3/92



Right In: 242.572+/-407.897 χ^2/NDF: 24.8/19

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -986.887+/-387.439 χ^2/NDF: 18.9/24

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

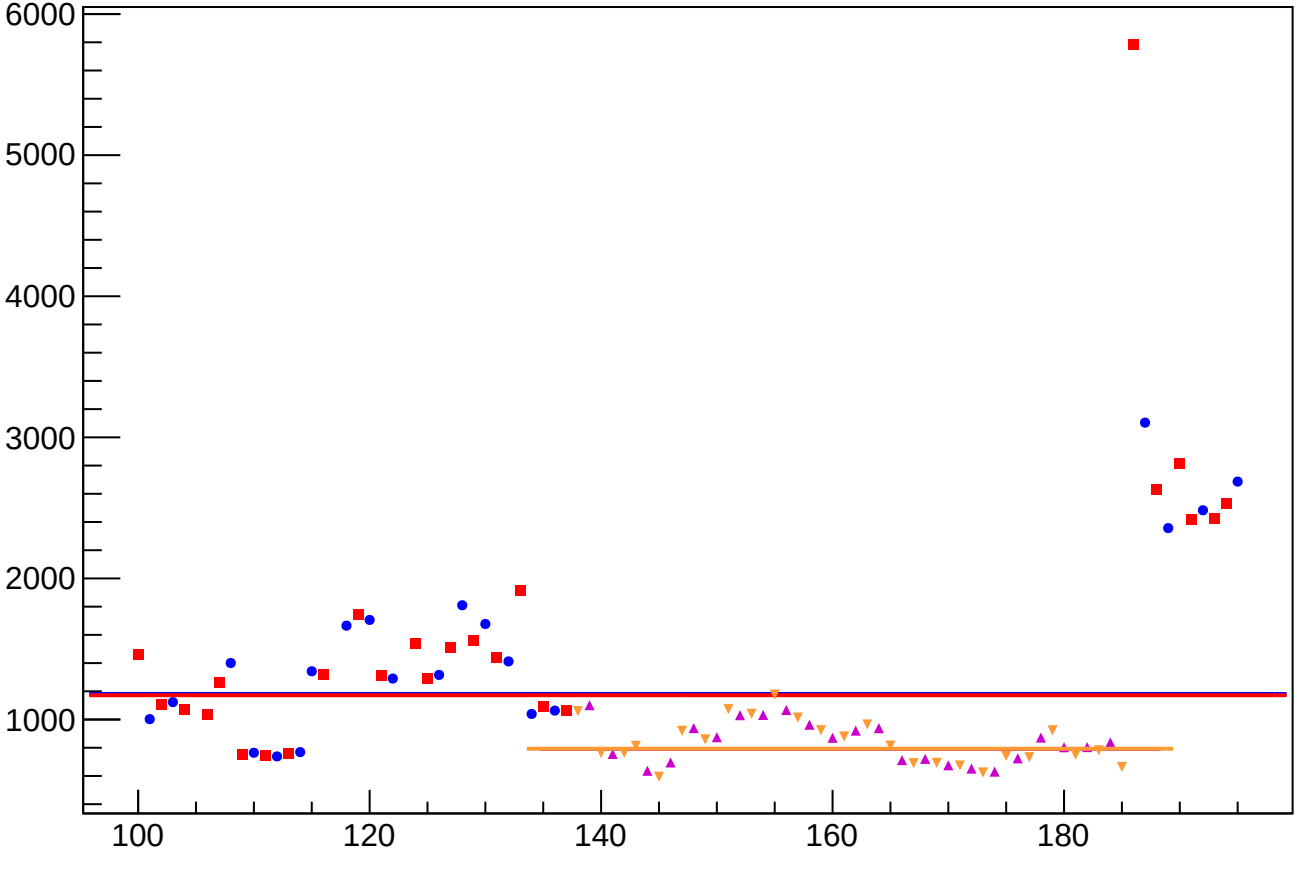
Right: -403.761+/-280.915 χ^2/NDF: 48.5/44

In: -15.290+/-170.764 χ^2/NDF:49.7/42

Out: 623.924+/-165.914 χ^2/NDF:103.8/49

All: 313.523+/-118.997 χ^2/NDF: 160.7/92

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1181.083+/-0.288 χ^2/NDF: 2631019.3/19

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1172.395+/-0.274 χ^2/NDF: 3763283.2/24

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

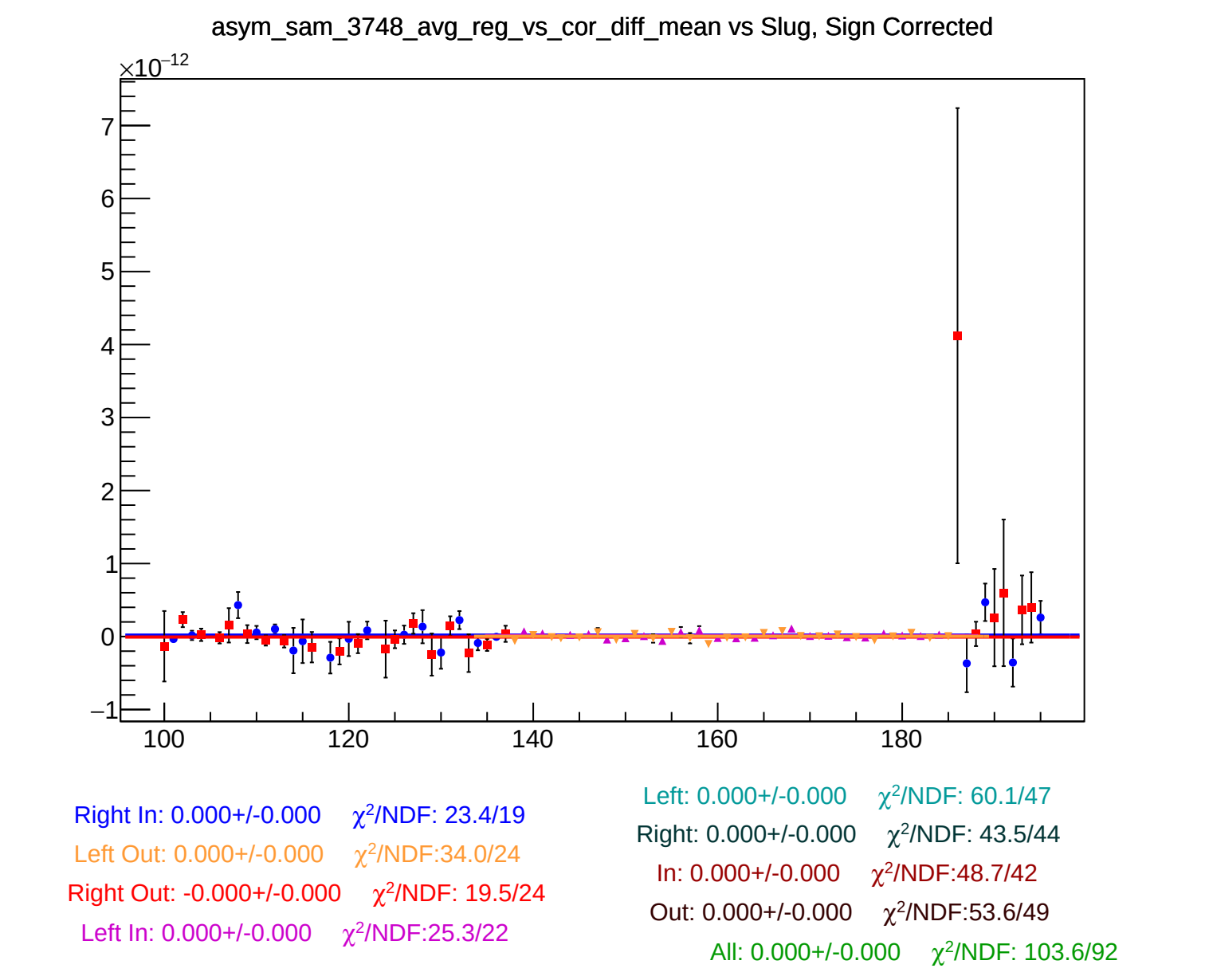
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1176.516+/-0.199 χ^2/NDF: 6394779.6/44

In: 859.496+/-0.121 χ^2/NDF:5187470.1/42

Out: 862.617+/-0.117 χ^2/NDF:6522948.1/49

All: 861.101+/-0.084 χ^2/NDF: 11710761.8/92


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
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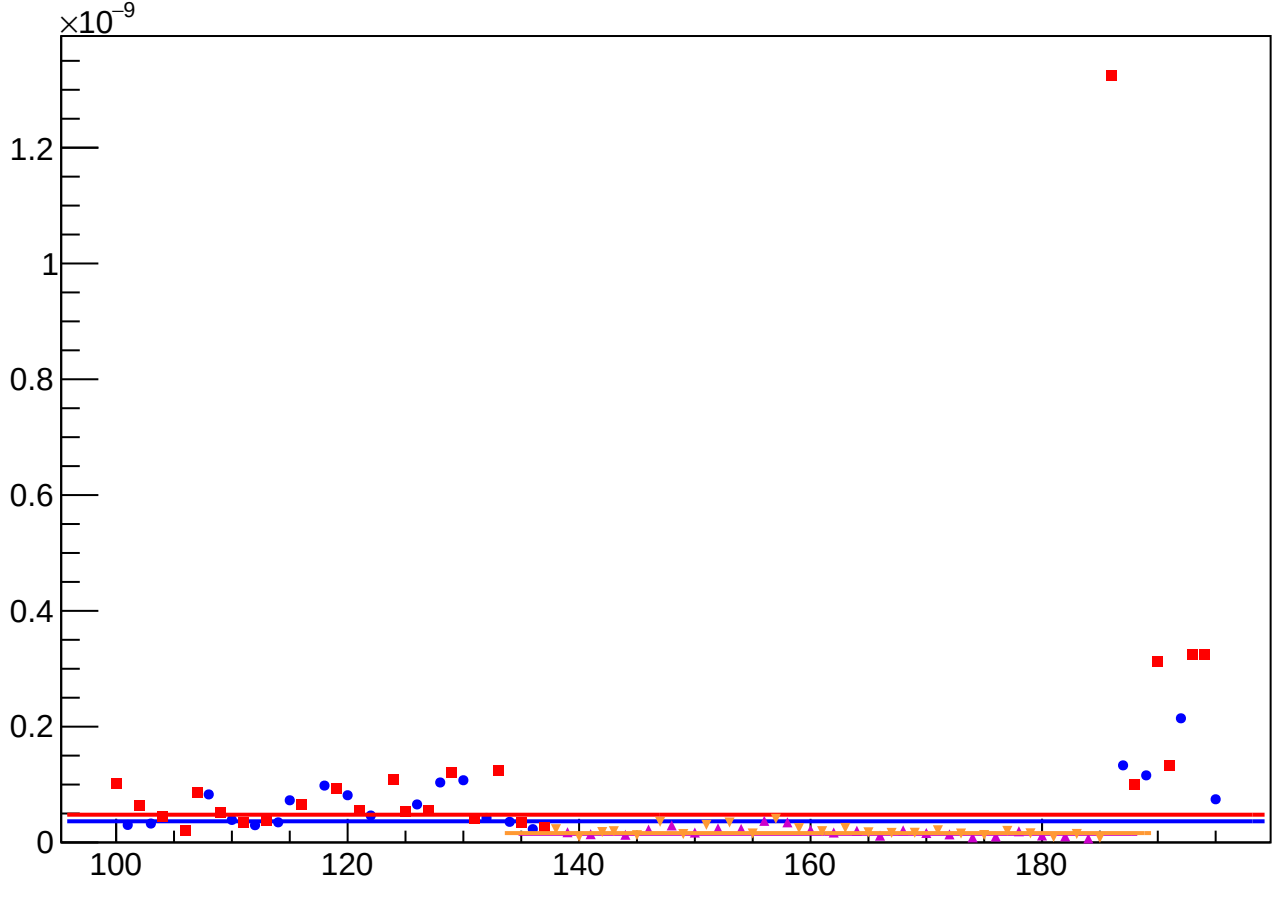
Right In: 0.000+/-0.000 χ²/NDF: 23.4/19
Left Out: 0.000+/-0.000 χ²/NDF:34.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.5/24
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 43.5/44
In: 0.000+/-0.000 χ²/NDF:48.7/42
Out: 0.000+/-0.000 χ²/NDF:53.6/49
All: 0.000+/-0.000 χ²/NDF: 103.6/92

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2152711.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3316774.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

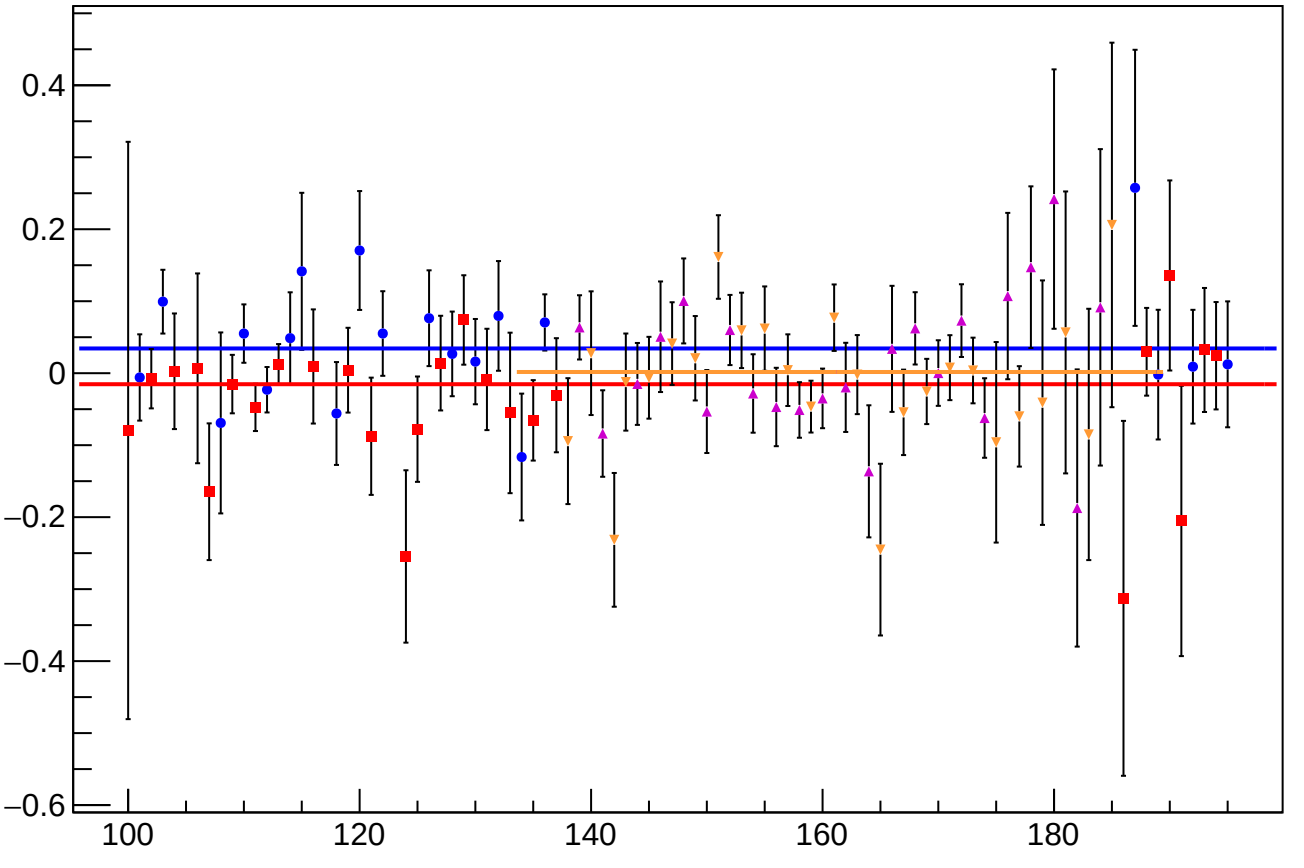
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5692082.8/44

In: 0.000+/-0.000 χ^2/NDF:5671878.4/42

Out: 0.000+/-0.000 χ^2/NDF:7763675.4/49

All: 0.000+/-0.000 χ^2/NDF: 13483639.3/92



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

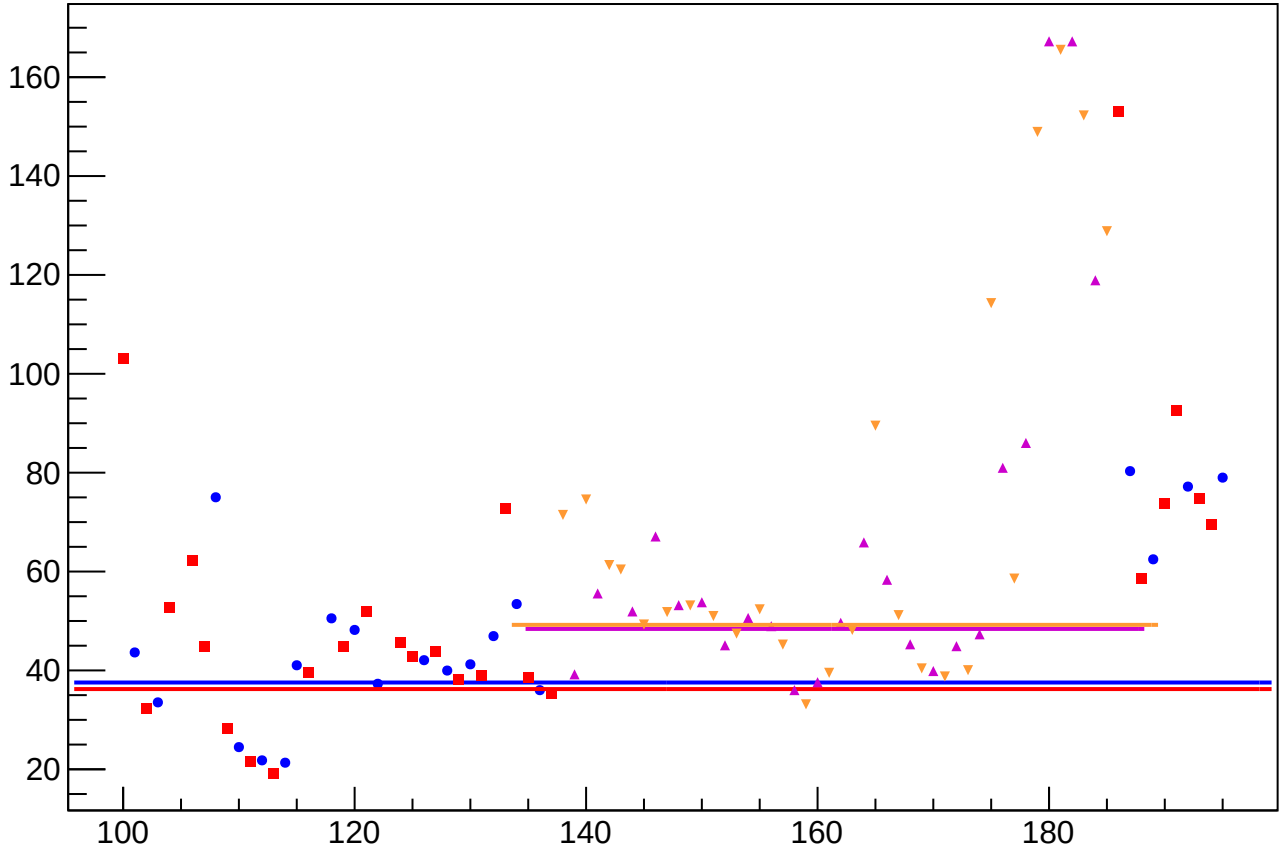
Right: 0.008+/-0.009 χ^2/NDF: 44.5/44

In: 0.017+/-0.009 χ^2/NDF:47.9/42

Out: -0.007+/-0.009 χ^2/NDF:49.8/49

All: 0.005+/-0.006 χ^2/NDF: 101.2/92

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.555+/-0.009 χ^2/NDF: 2474523.4/19

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 36.229+/-0.009 χ^2/NDF: 3715671.2/24

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

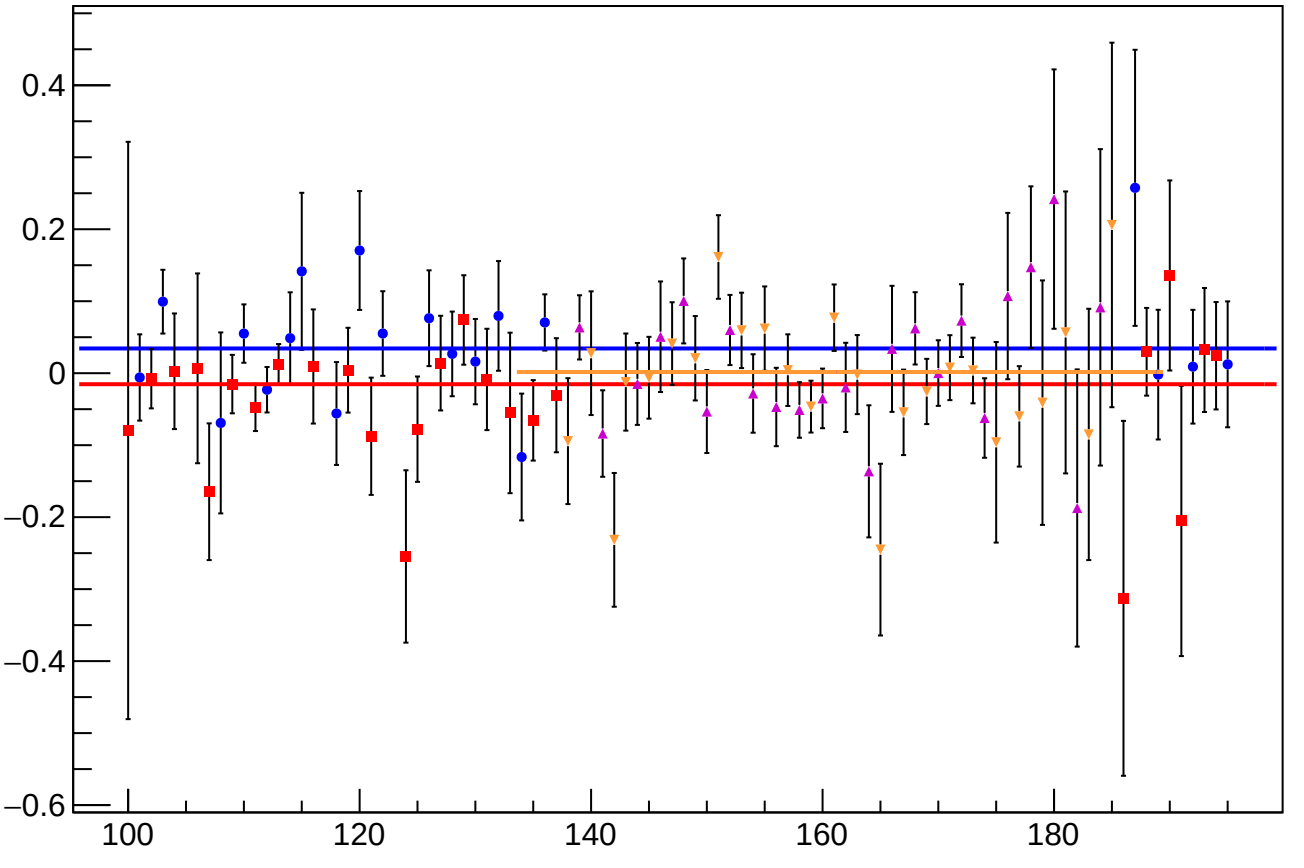
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 36.844+/-0.006 χ^2/NDF: 6200796.9/44

In: 43.380+/-0.006 χ^2/NDF:6217754.6/42

Out: 42.782+/-0.006 χ^2/NDF:8992525.8/49

All: 43.070+/-0.004 χ^2/NDF: 15214788.5/92



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

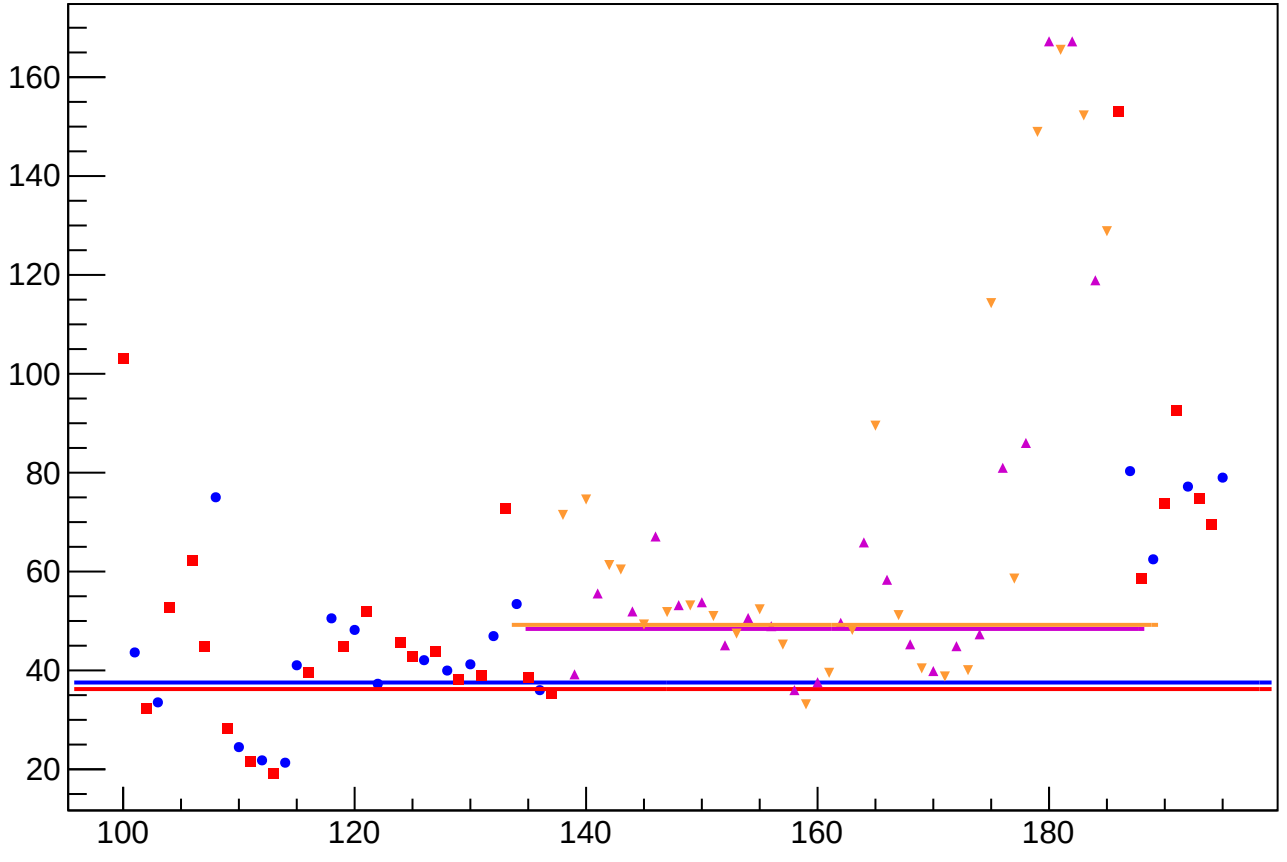
Right: 0.008+/-0.009 χ^2/NDF: 44.5/44

In: 0.017+/-0.009 χ^2/NDF:47.9/42

Out: -0.007+/-0.009 χ^2/NDF:49.8/49

All: 0.005+/-0.006 χ^2/NDF: 101.2/92

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.555+/-0.009 χ^2/NDF: 2474523.4/19

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 36.229+/-0.009 χ^2/NDF: 3715671.2/24

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

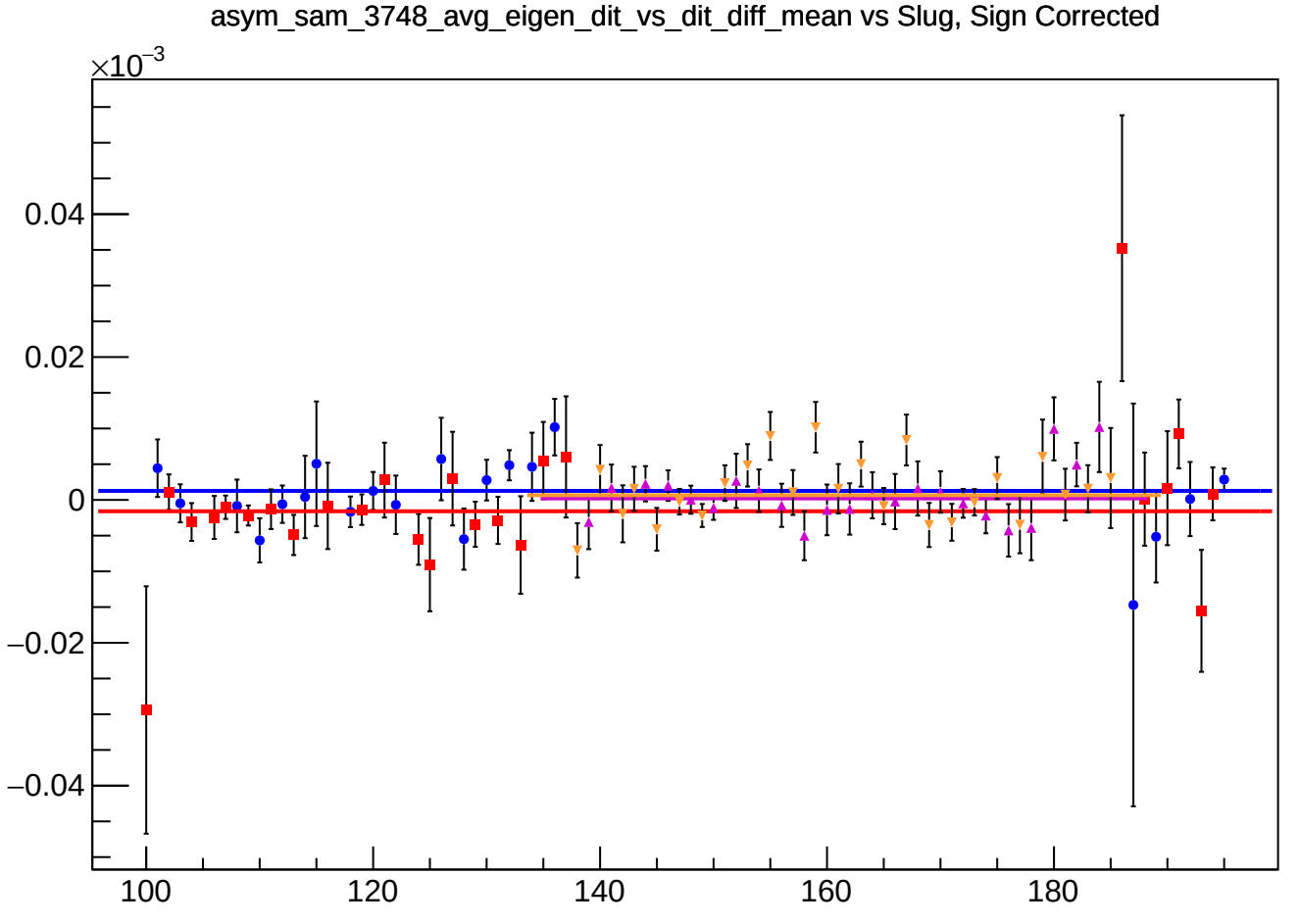
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 36.844+/-0.006 χ^2/NDF: 6200796.9/44

In: 43.380+/-0.006 χ^2/NDF:6217754.6/42

Out: 42.782+/-0.006 χ^2/NDF:8992525.8/49

All: 43.070+/-0.004 χ^2/NDF: 15214788.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/24

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

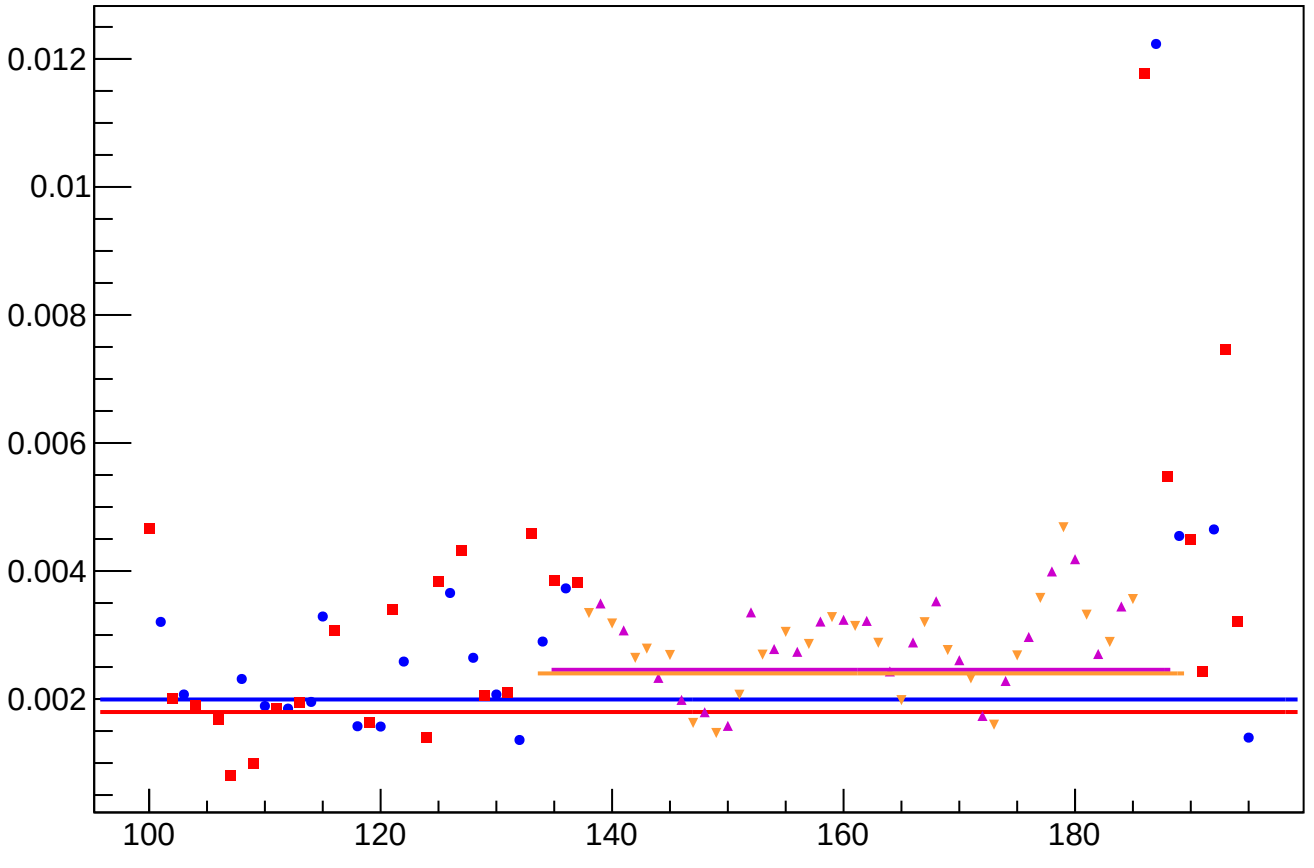
Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

Right: -0.000+/-0.000 χ^2/NDF: 57.8/44

In: 0.000+/-0.000 χ^2/NDF:44.6/42

Out: -0.000+/-0.000 χ^2/NDF:73.8/49

All: 0.000+/-0.000 χ^2/NDF: 120.8/92



Right In: 0.002+/-0.000 χ^2/NDF: 2680523.6/19

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5698646.9/24

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

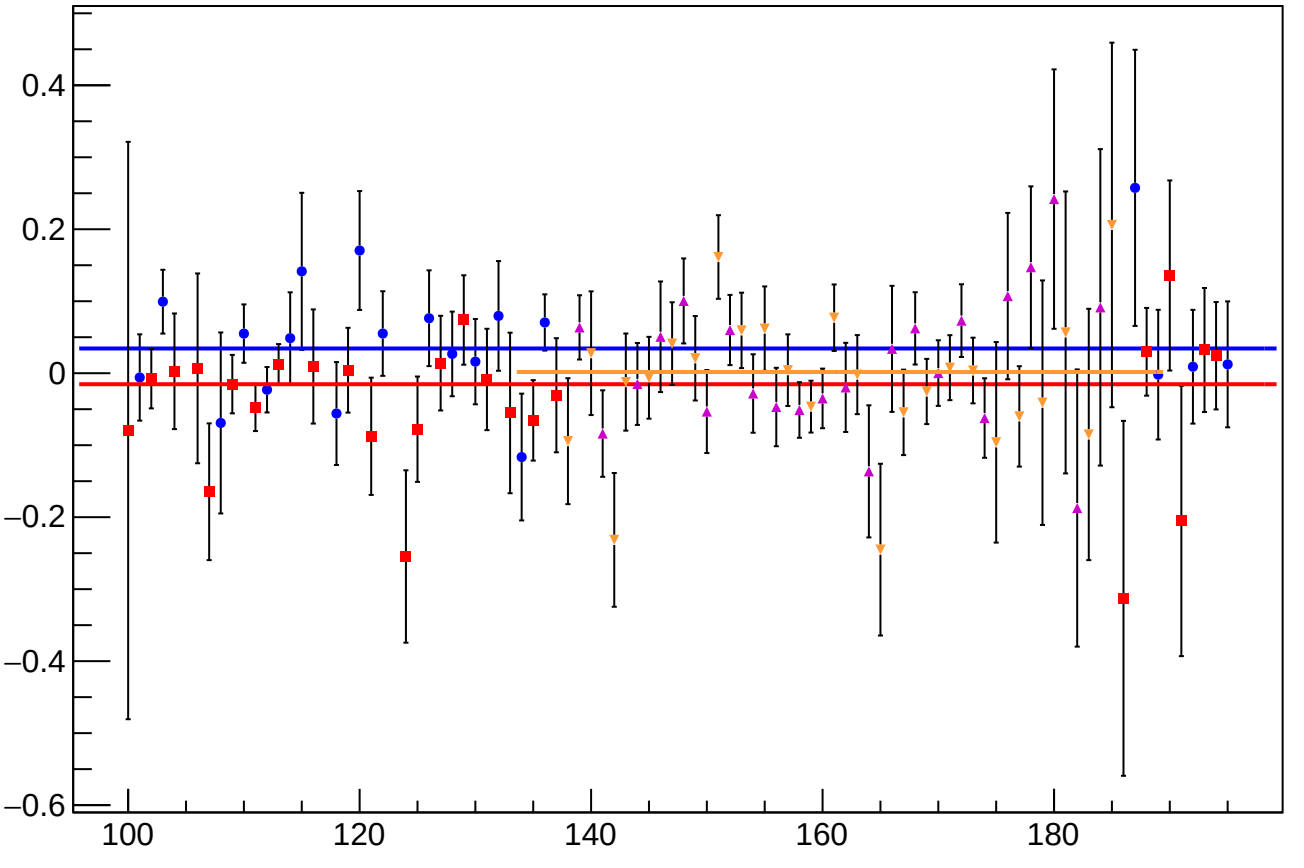
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 8463363.0/44

In: 0.002+/-0.000 χ^2/NDF:5812442.7/42

Out: 0.002+/-0.000 χ^2/NDF:9798404.0/49

All: 0.002+/-0.000 χ^2/NDF: 15692179.0/92



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

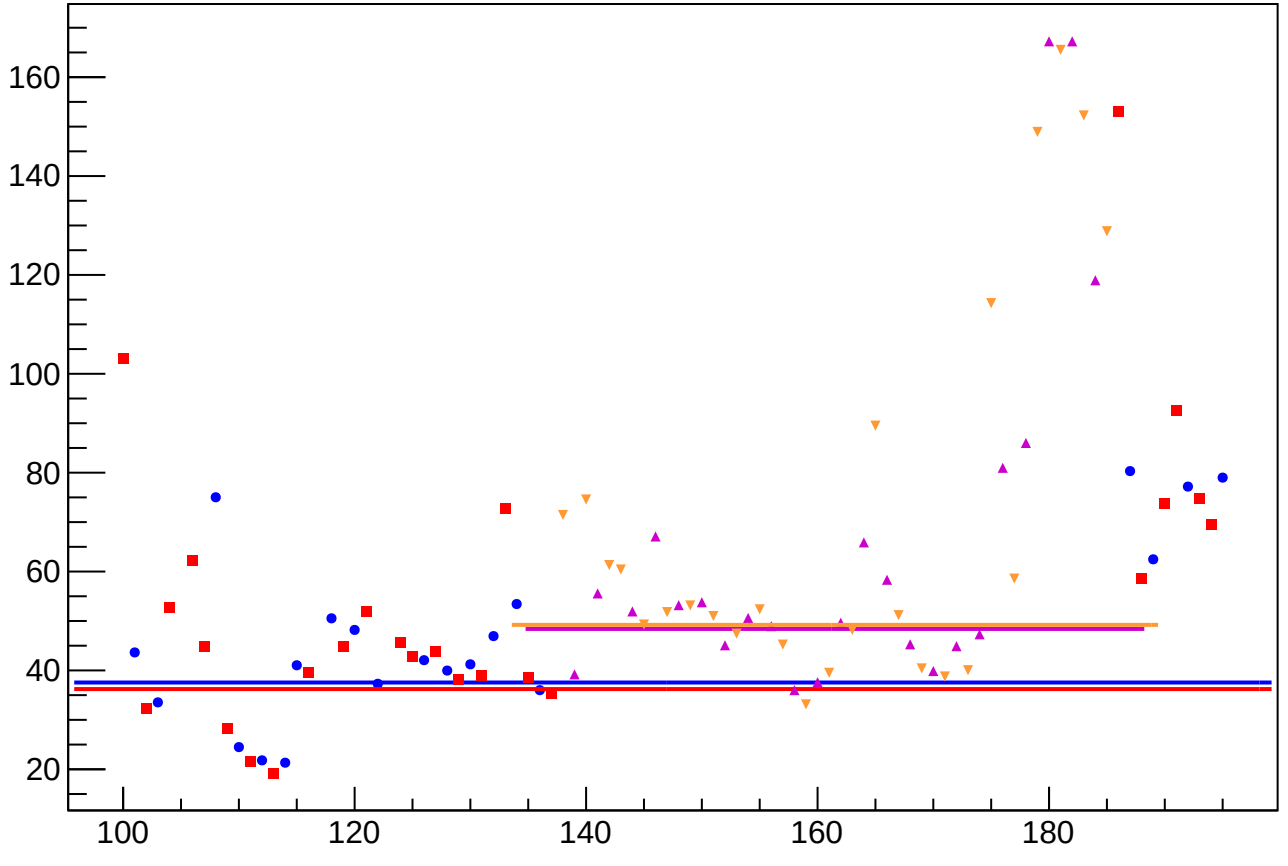
Right: 0.008+/-0.009 χ^2/NDF: 44.5/44

In: 0.017+/-0.009 χ^2/NDF:47.9/42

Out: -0.007+/-0.009 χ^2/NDF:49.8/49

All: 0.005+/-0.006 χ^2/NDF: 101.2/92

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.555+/-0.009 χ^2/NDF: 2474448.4/19

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 36.229+/-0.009 χ^2/NDF: 3715649.6/24

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

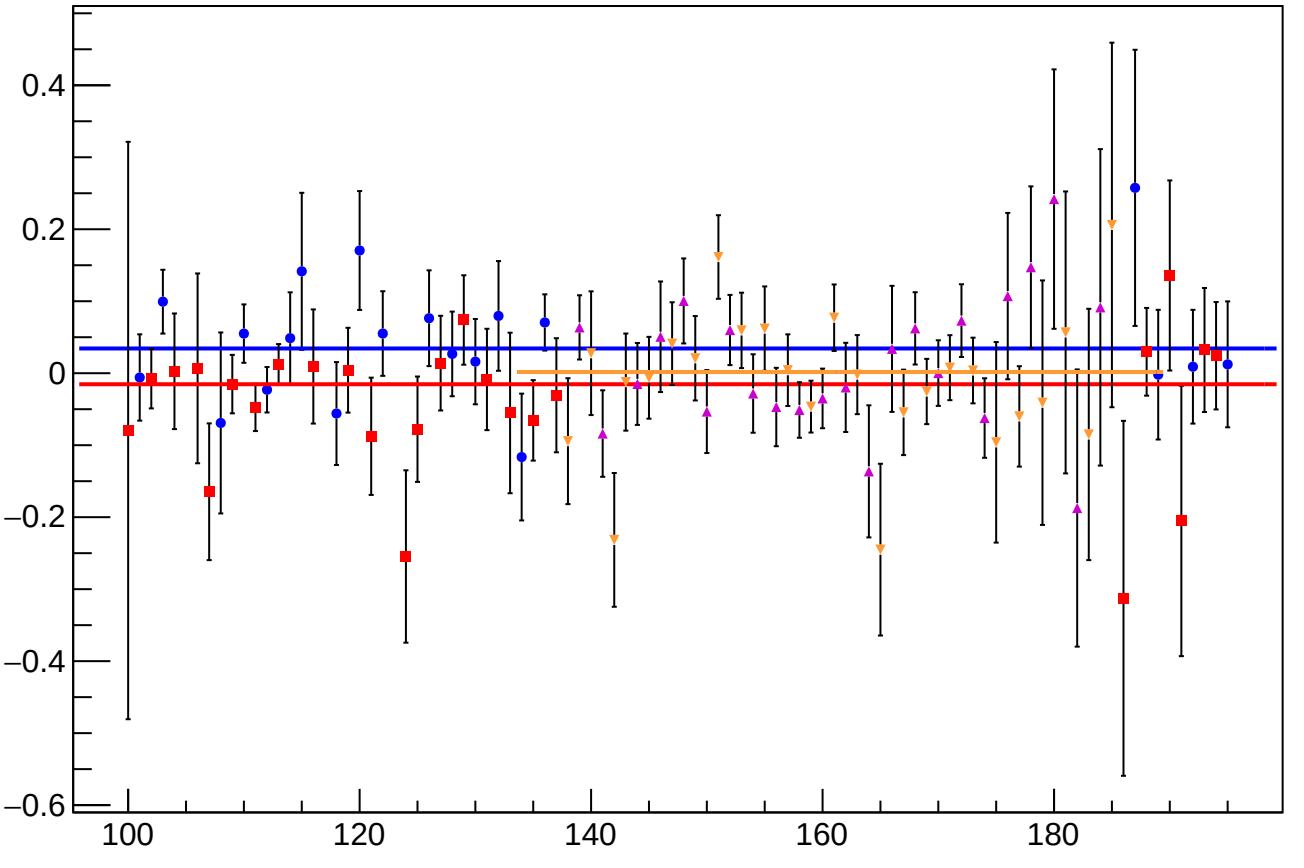
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 36.845+/-0.006 χ^2/NDF: 6200698.9/44

In: 43.380+/-0.006 χ^2/NDF:6217660.7/42

Out: 42.782+/-0.006 χ^2/NDF:8992476.5/49

All: 43.070+/-0.004 χ^2/NDF: 15214644.2/92



Right In: 0.034+/-0.013 χ^2/NDF: 18.6/19

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

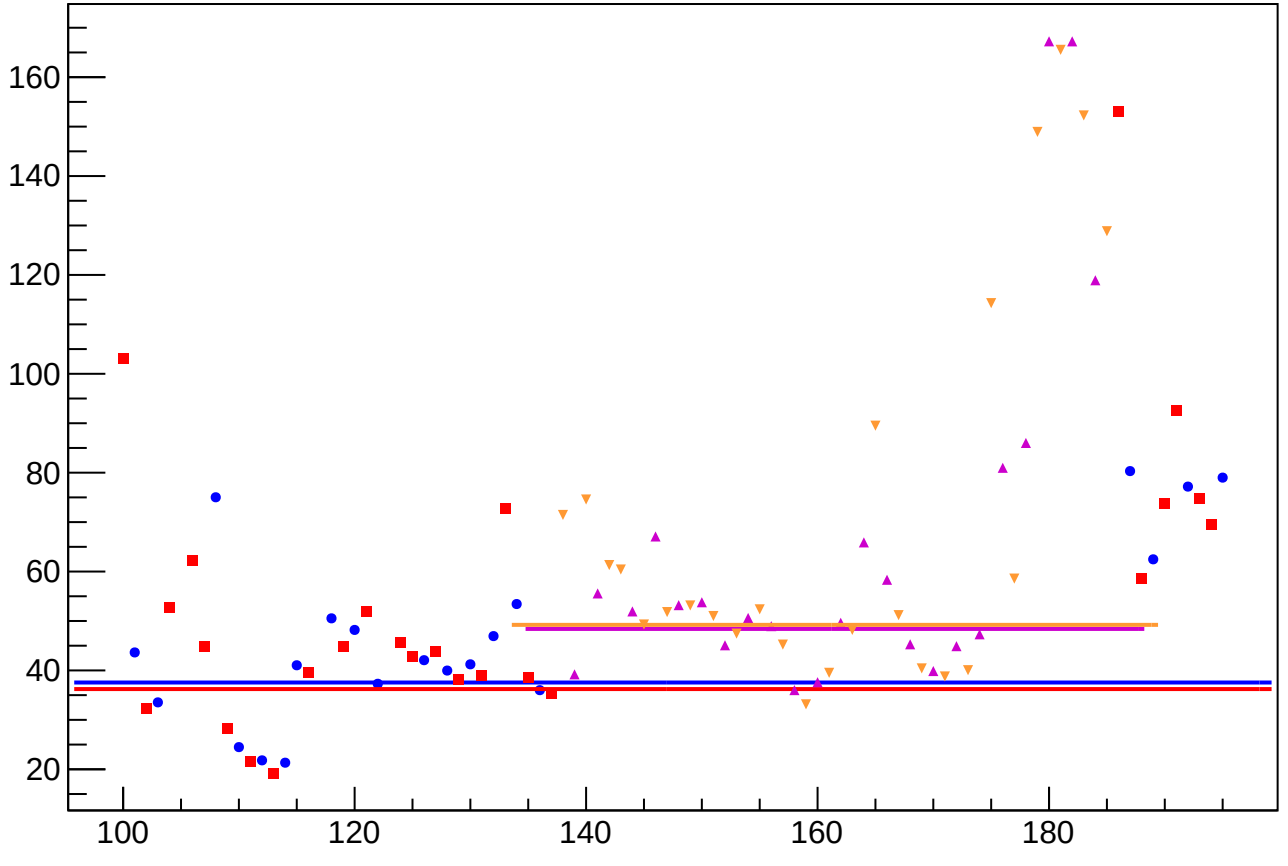
Right: 0.008+/-0.009 χ^2/NDF: 44.5/44

In: 0.017+/-0.009 χ^2/NDF:47.9/42

Out: -0.007+/-0.009 χ^2/NDF:49.8/49

All: 0.005+/-0.006 χ^2/NDF: 101.2/92

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.555+/-0.009 χ^2/NDF: 2474448.4/19

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 36.229+/-0.009 χ^2/NDF: 3715649.6/24

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

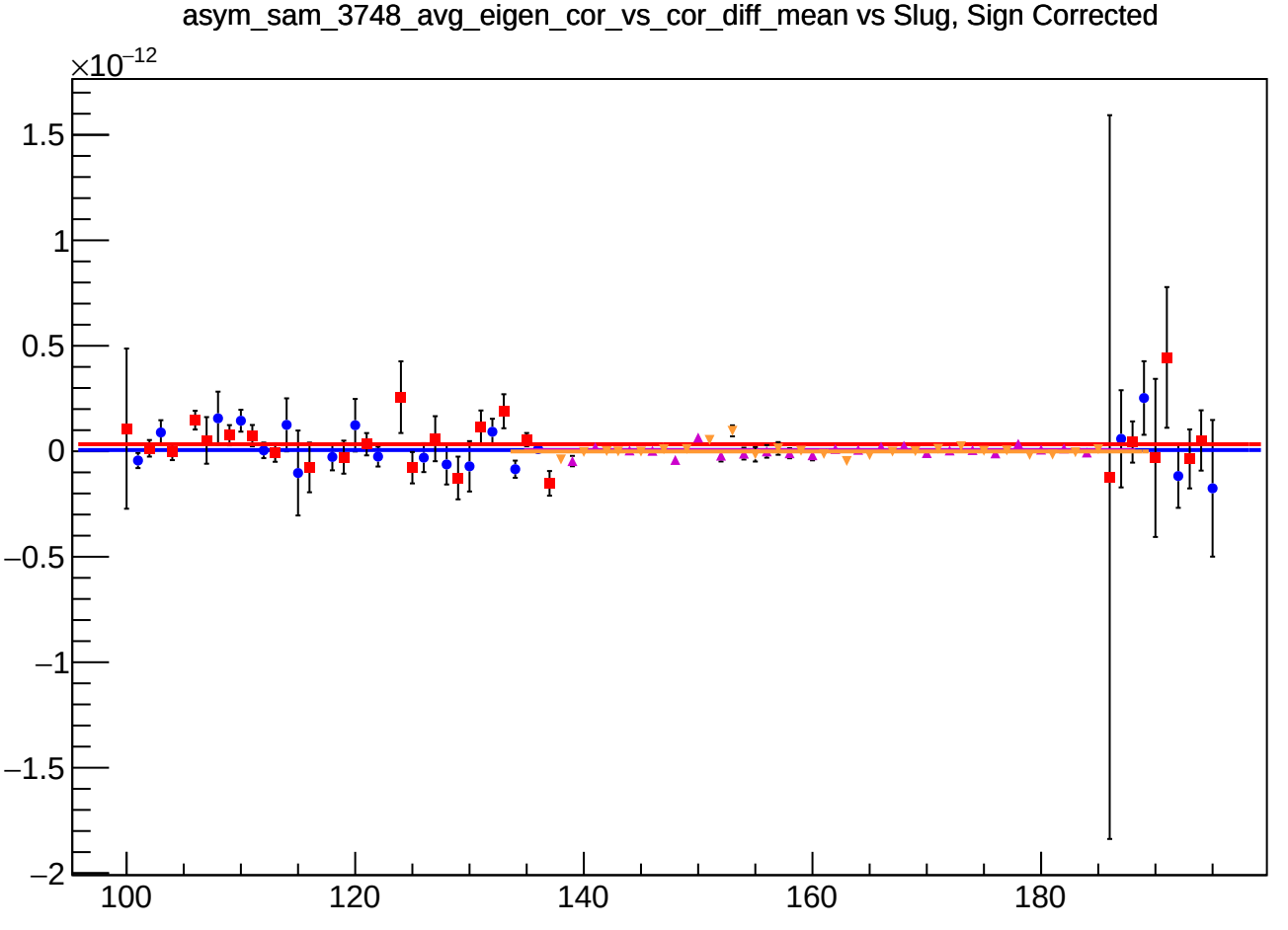
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 36.845+/-0.006 χ^2/NDF: 6200698.9/44

In: 43.380+/-0.006 χ^2/NDF:6217660.7/42

Out: 42.782+/-0.006 χ^2/NDF:8992476.5/49

All: 43.070+/-0.004 χ^2/NDF: 15214644.2/92



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/24

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

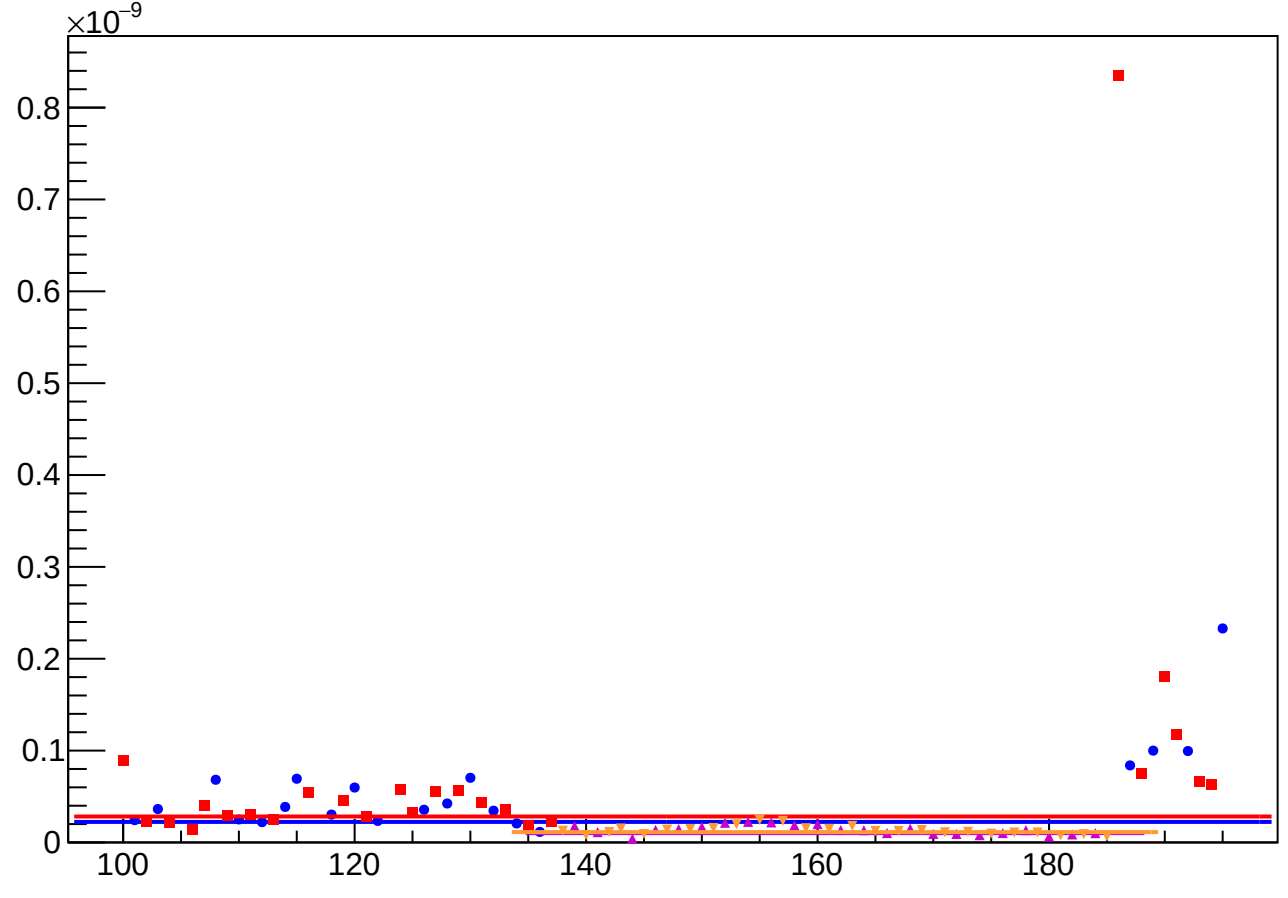
Right: 0.000+/-0.000 χ^2/NDF: 64.5/44

In: 0.000+/-0.000 χ^2/NDF:55.0/42

Out: 0.000+/-0.000 χ^2/NDF:79.0/49

All: 0.000+/-0.000 χ^2/NDF: 134.9/92

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4011161.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2894641.6/24

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

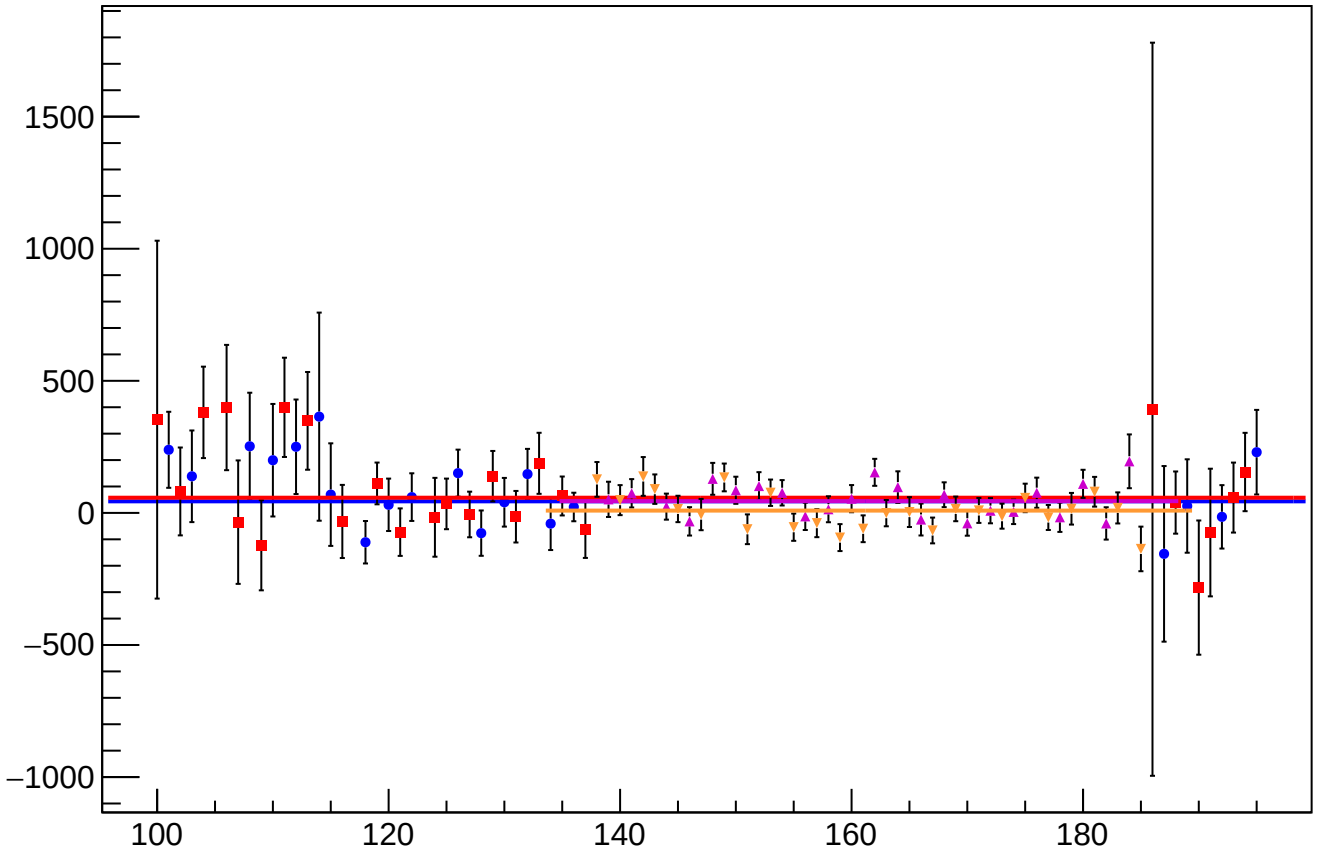
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7143592.5/44

In: 0.000+/-0.000 χ^2/NDF:10189466.9/42

Out: 0.000+/-0.000 χ^2/NDF:8396178.7/49

All: 0.000+/-0.000 χ^2/NDF: 18759418.6/92



Right In: 43.791+/-24.588 χ^2/NDF: 16.9/19

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 57.521+/-25.076 χ^2/NDF: 23.0/24

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

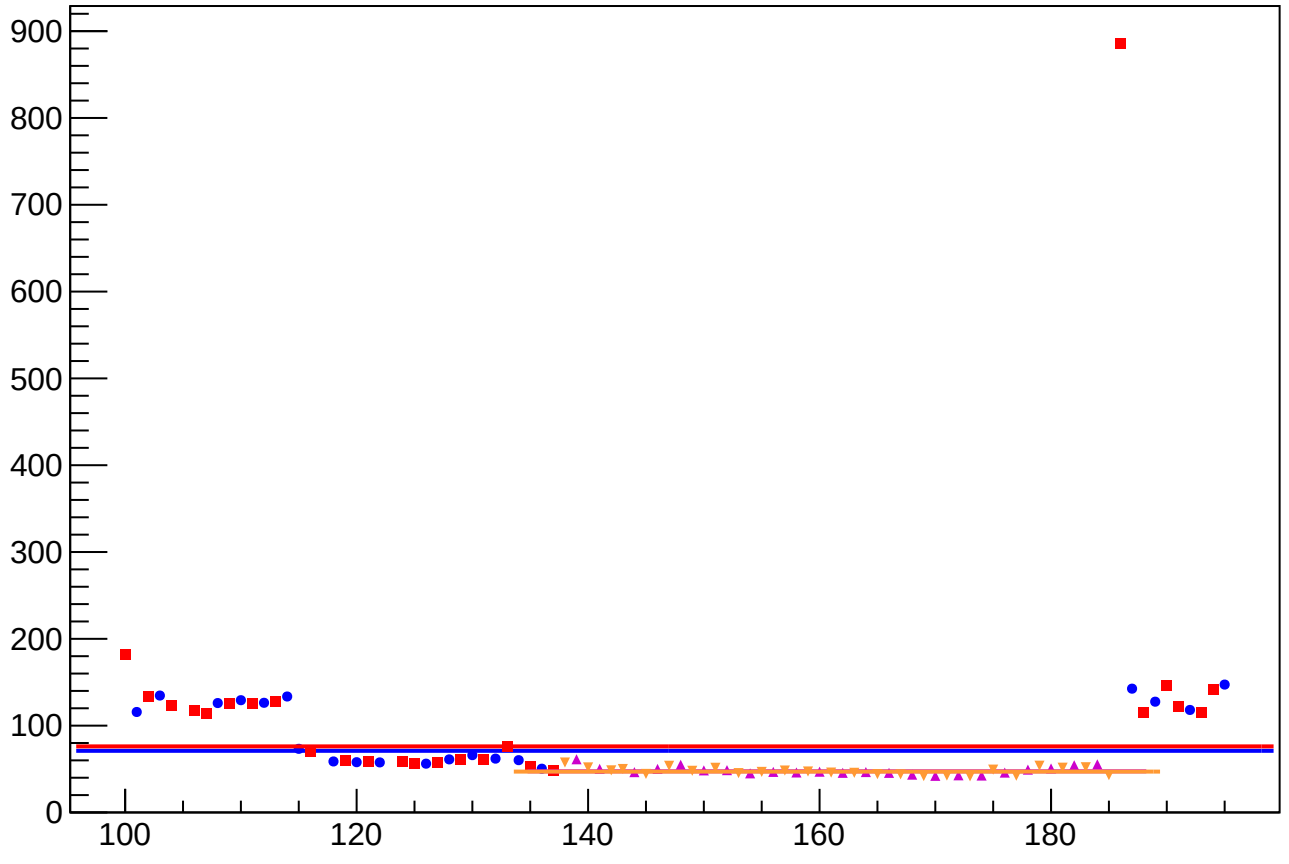
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 50.521+/-17.556 χ^2/NDF: 40.1/44

In: 44.413+/-10.154 χ^2/NDF:43.9/42

Out: 16.350+/-9.896 χ^2/NDF:60.8/49

All: 30.020+/-7.087 χ^2/NDF: 108.7/92



Right In: 70.997+/-0.017 χ^2/NDF: 2607020.2/19

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 76.103+/-0.018 χ^2/NDF: 3480630.9/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

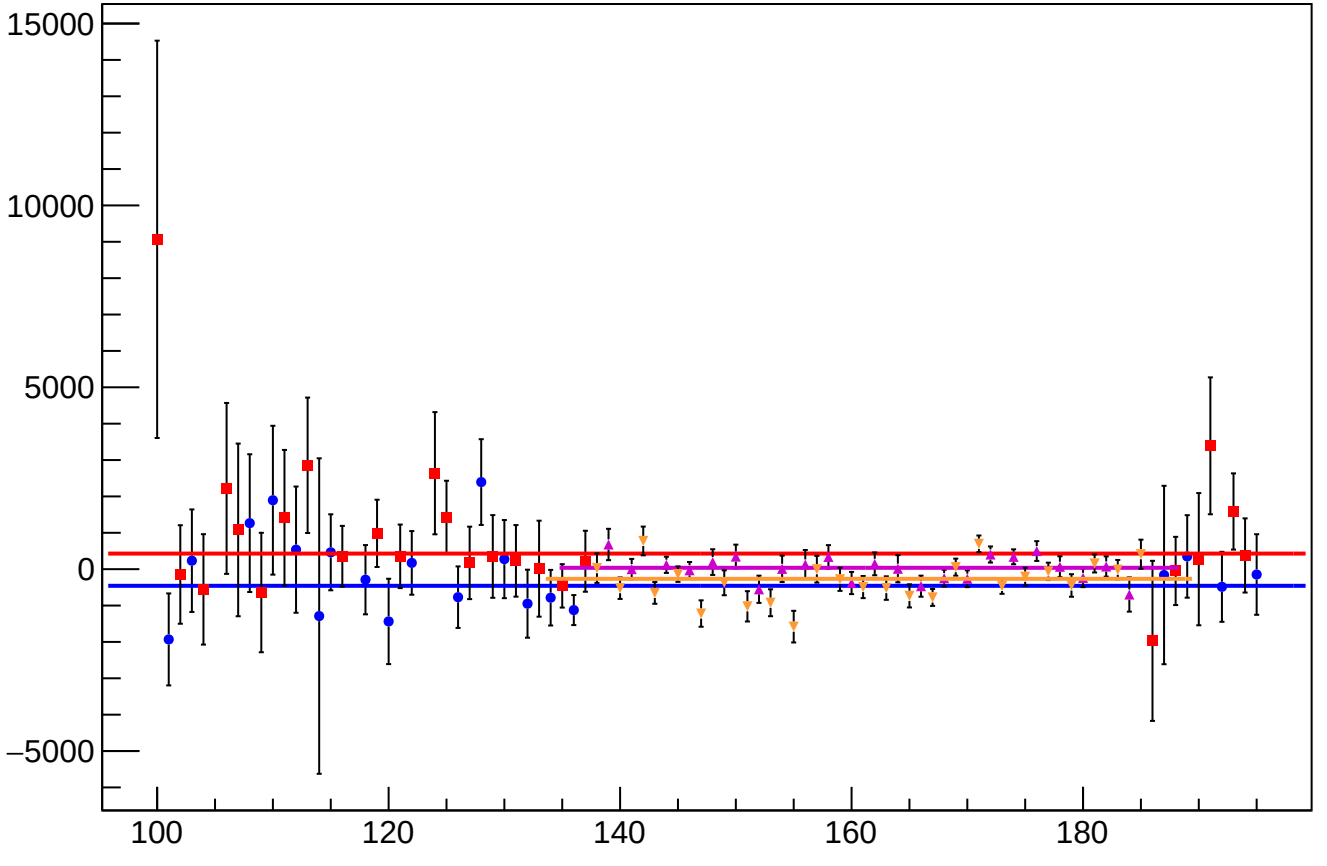
Right: 73.500+/-0.012 χ^2/NDF: 6129928.9/44

In: 51.410+/-0.007 χ^2/NDF:4408050.7/42

Out: 51.586+/-0.007 χ^2/NDF:6032651.7/49

All: 51.500+/-0.005 χ^2/NDF: 10441010.5/92

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -457.362+/-220.055 χ^2/NDF: 16.3/19

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 428.608+/-229.341 χ^2/NDF: 16.9/24

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

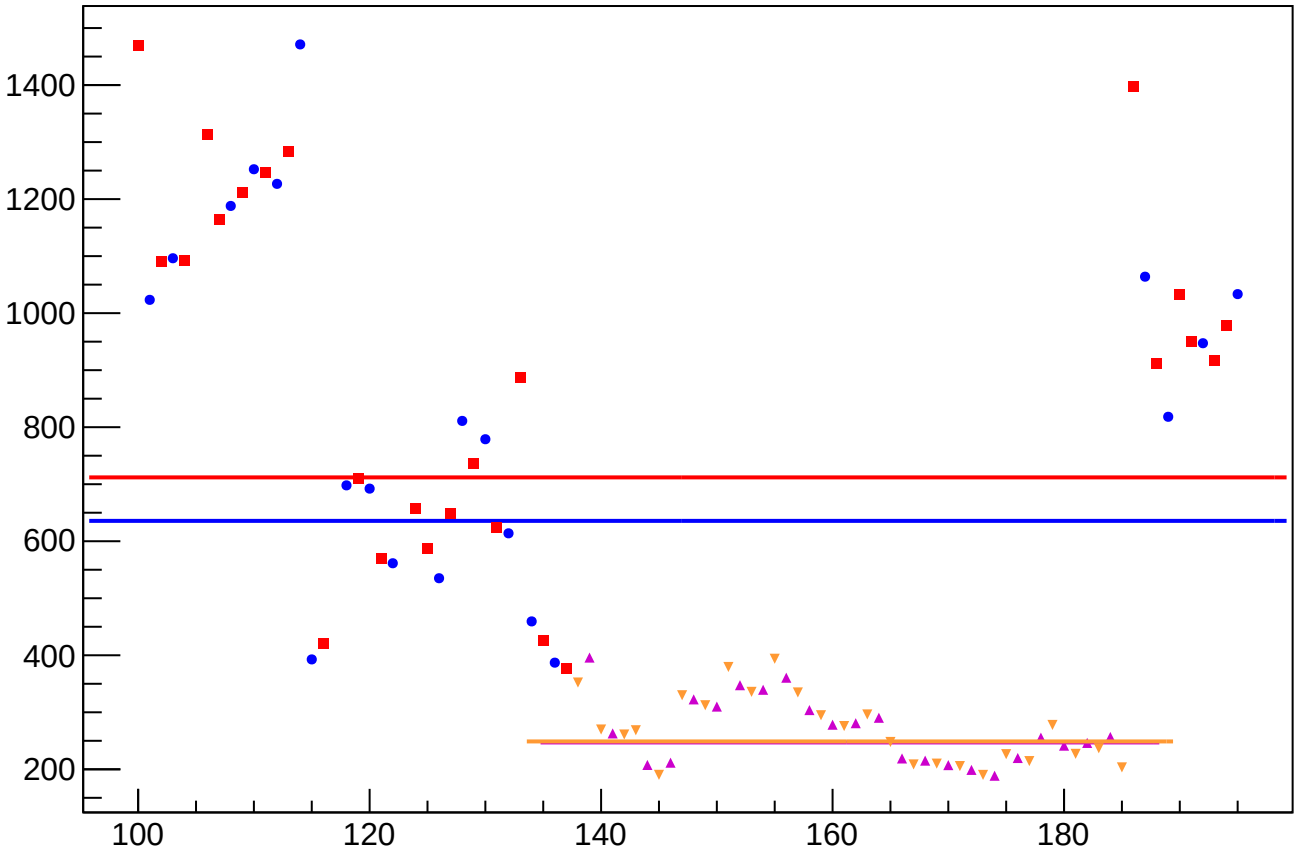
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -32.676+/-158.784 χ^2/NDF: 41.0/44

In: 4.172+/-57.131 χ^2/NDF:47.6/42

Out: -223.905+/-56.258 χ^2/NDF:95.3/49

All: -111.622+/-40.086 χ^2/NDF: 151.0/92



Right In: 635.704+/-0.156 χ^2/NDF: 2719193.9/19

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 711.968+/-0.162 χ^2/NDF: 2824401.5/24

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

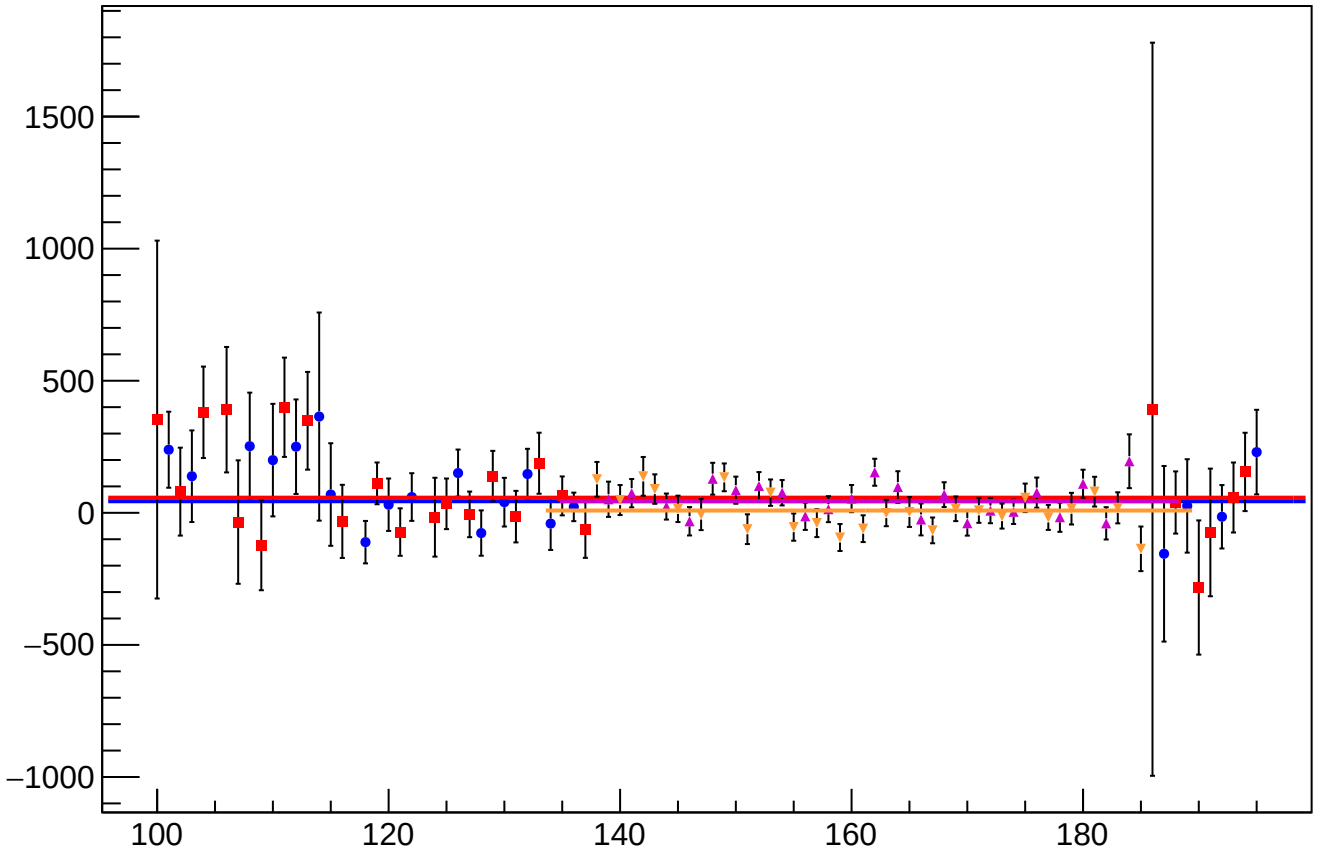
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 672.261+/-0.112 χ^2/NDF: 5658743.6/44

In: 273.302+/-0.040 χ^2/NDF:10020052.6/42

Out: 276.756+/-0.040 χ^2/NDF:12151517.7/49

All: 275.055+/-0.028 χ^2/NDF: 22175282.8/92



Right In: 43.784+/-24.588 χ^2/NDF: 16.9/19

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 57.389+/-25.077 χ^2/NDF: 22.9/24

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

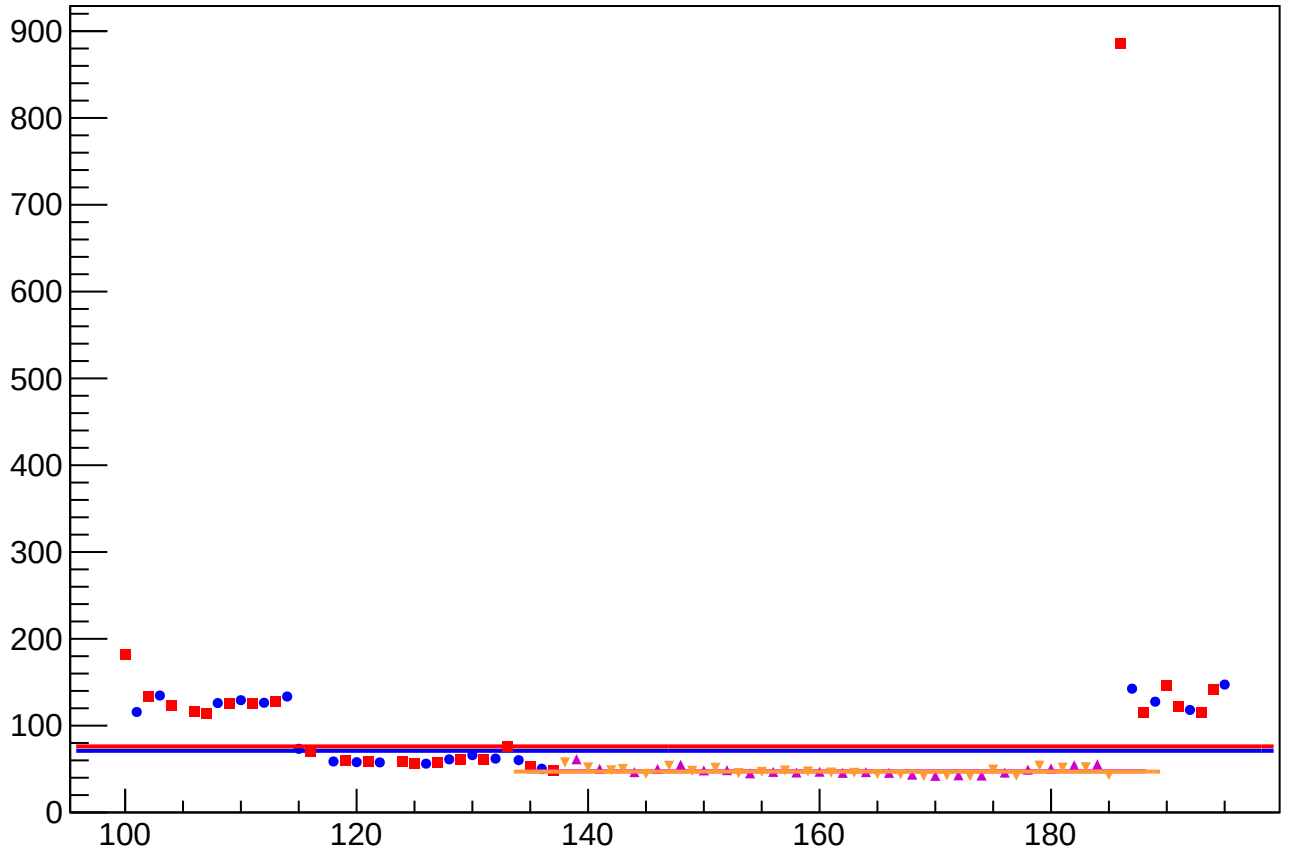
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 50.453+/-17.557 χ^2/NDF: 40.0/44

In: 44.411+/-10.154 χ^2/NDF:43.9/42

Out: 16.331+/-9.896 χ^2/NDF:60.7/49

All: 30.010+/-7.087 χ^2/NDF: 108.5/92



Right In: 70.997+/-0.017 χ^2/NDF: 2607022.5/19

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 76.091+/-0.018 χ^2/NDF: 3477873.8/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

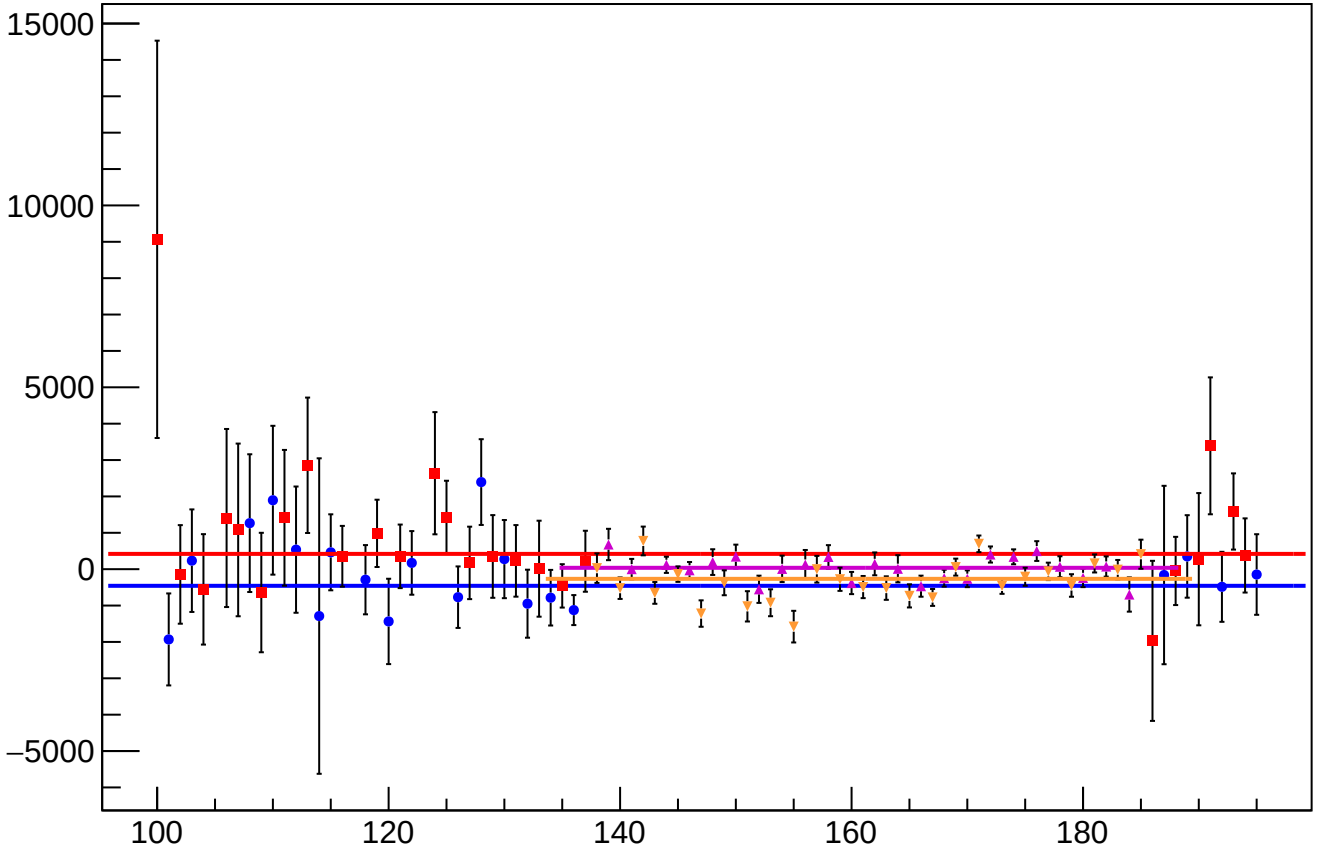
Right: 73.494+/-0.012 χ^2/NDF: 6126972.0/44

In: 51.410+/-0.007 χ^2/NDF:4408052.7/42

Out: 51.584+/-0.007 χ^2/NDF:6027902.3/49

All: 51.499+/-0.005 χ^2/NDF: 10436255.9/92

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -457.347+/-220.055 χ^2/NDF: 16.3/19

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 420.201+/-229.431 χ^2/NDF: 16.5/24

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

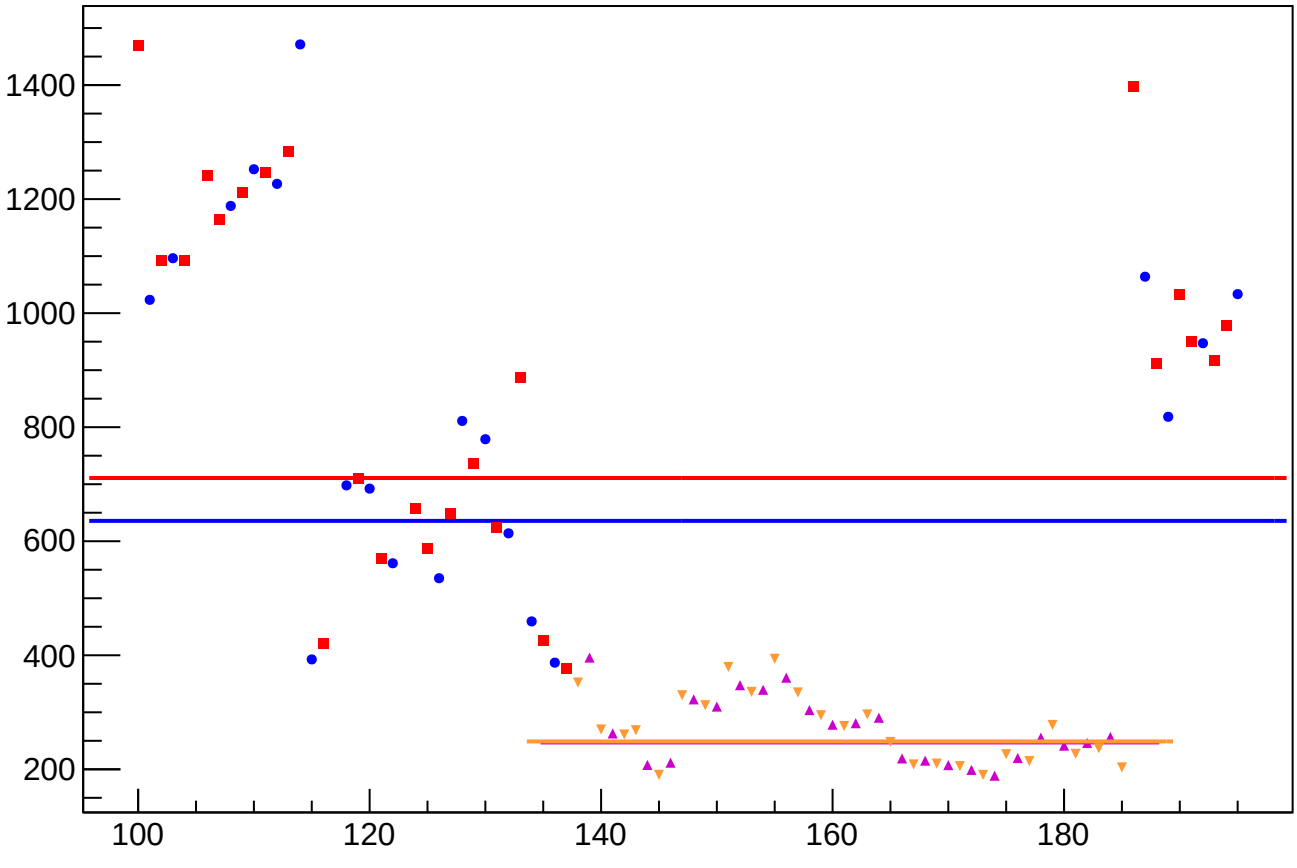
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -36.870+/-158.814 χ^2/NDF: 40.4/44

In: 4.171+/-57.131 χ^2/NDF:47.6/42

Out: -224.439+/-56.259 χ^2/NDF:94.7/49

All: -111.891+/-40.086 χ^2/NDF: 150.4/92



Right In: 635.704+/-0.156 χ^2/NDF: 2719233.0/19

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 710.892+/-0.162 χ^2/NDF: 2787339.7/24

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

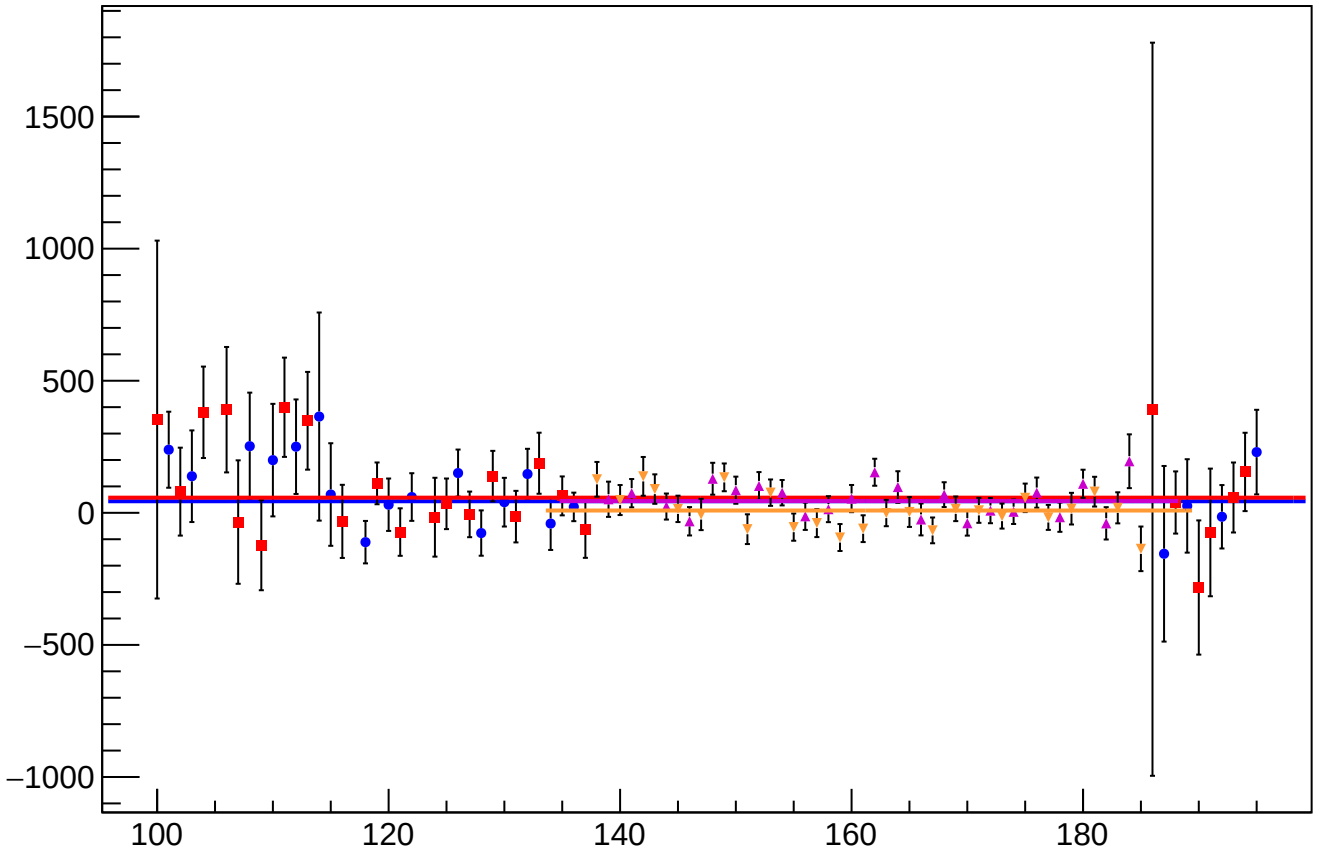
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 671.730+/-0.112 χ^2/NDF: 5618450.3/44

In: 273.302+/-0.040 χ^2/NDF:10020064.0/42

Out: 276.670+/-0.040 χ^2/NDF:12073242.3/49

All: 275.012+/-0.028 χ^2/NDF: 22096836.9/92



Right In: 43.784+/-24.588 χ^2/NDF: 16.9/19

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 57.389+/-25.077 χ^2/NDF: 22.9/24

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

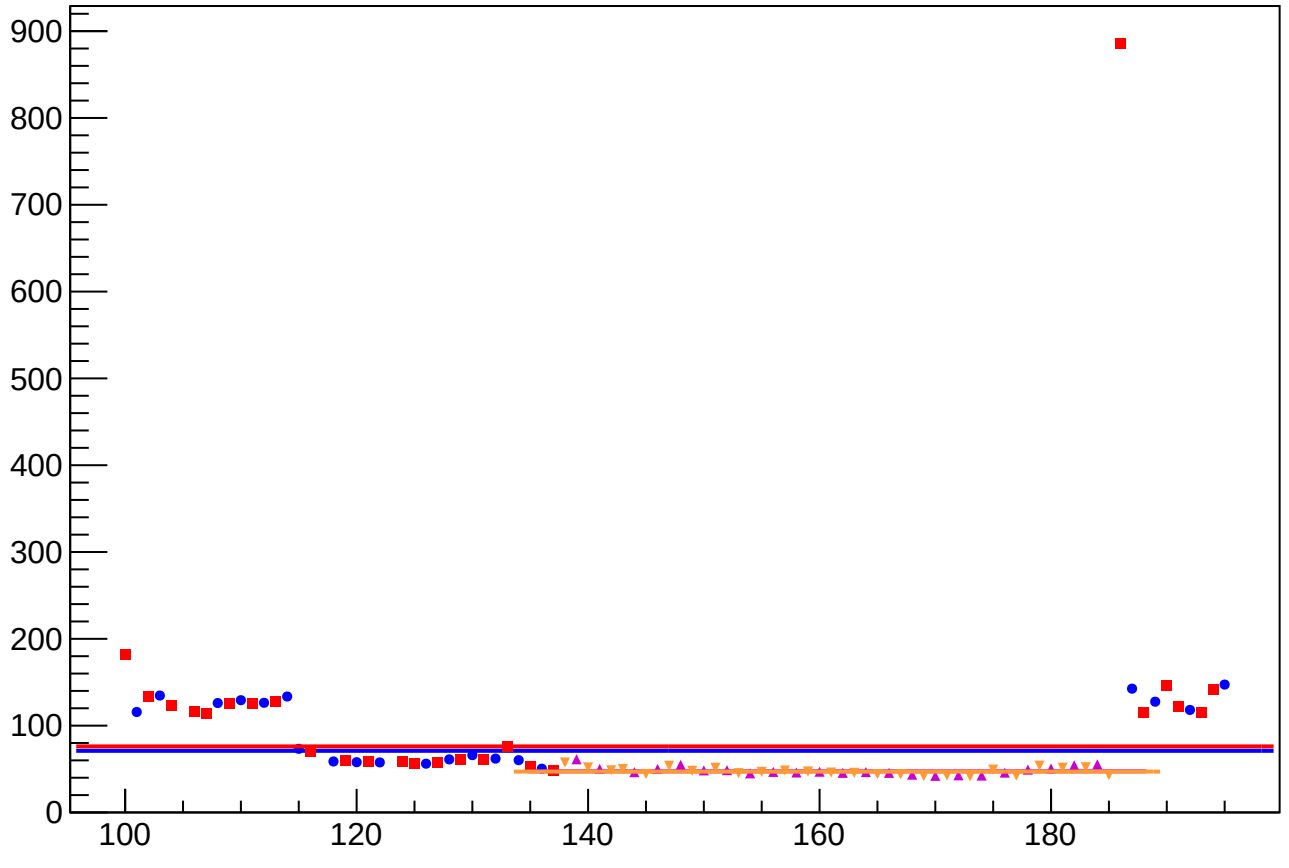
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 50.453+/-17.557 χ^2/NDF: 40.0/44

In: 44.411+/-10.154 χ^2/NDF:43.9/42

Out: 16.331+/-9.896 χ^2/NDF:60.7/49

All: 30.010+/-7.087 χ^2/NDF: 108.5/92



Right In: 70.997+/-0.017 χ^2/NDF: 2607022.5/19

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 76.091+/-0.018 χ^2/NDF: 3477873.8/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

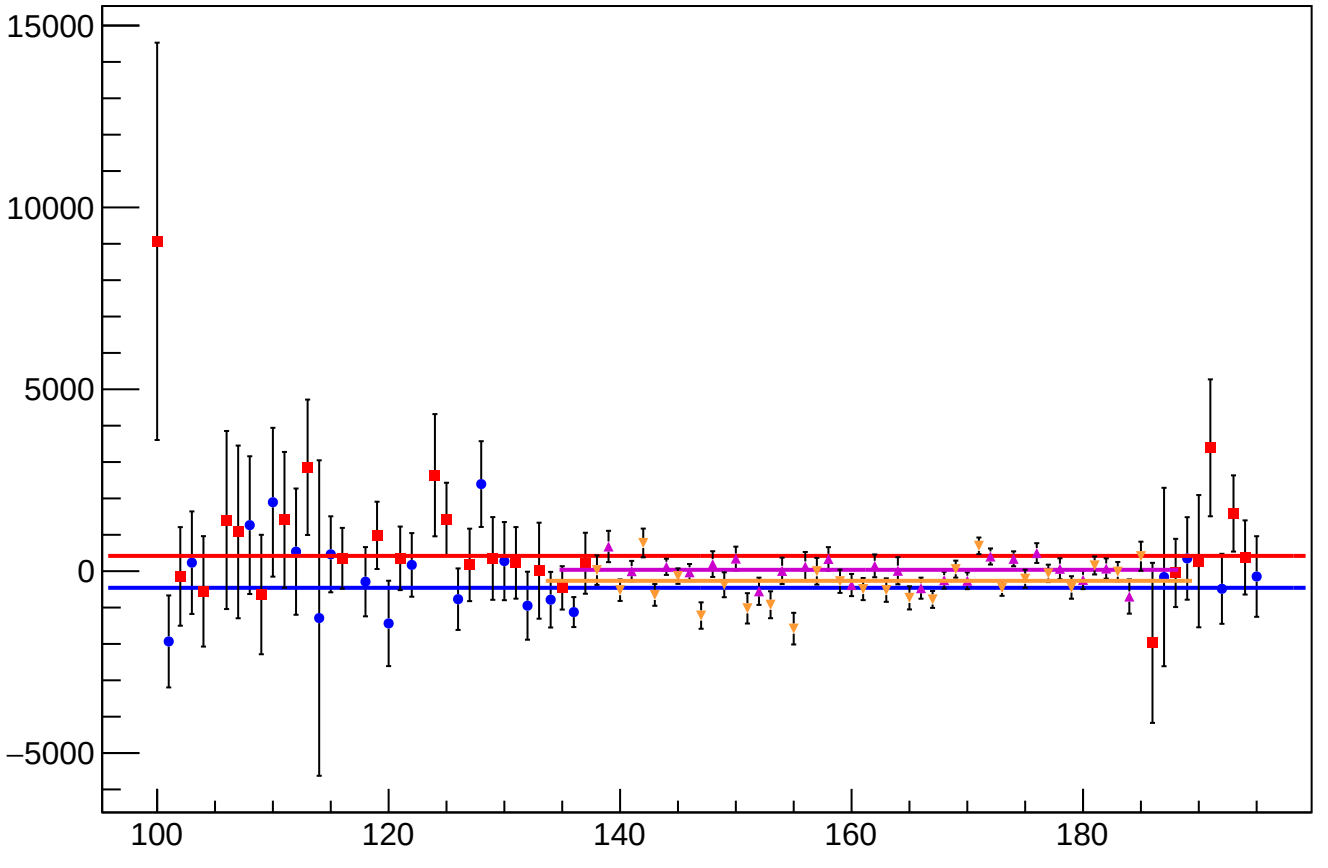
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 73.494+/-0.012 χ^2/NDF: 6126972.0/44

In: 51.410+/-0.007 χ^2/NDF:4408052.7/42

Out: 51.584+/-0.007 χ^2/NDF:6027902.3/49

All: 51.499+/-0.005 χ^2/NDF: 10436255.9/92



Right In: -457.347+/-220.055 χ^2/NDF: 16.3/19

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 420.201+/-229.431 χ^2/NDF: 16.5/24

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

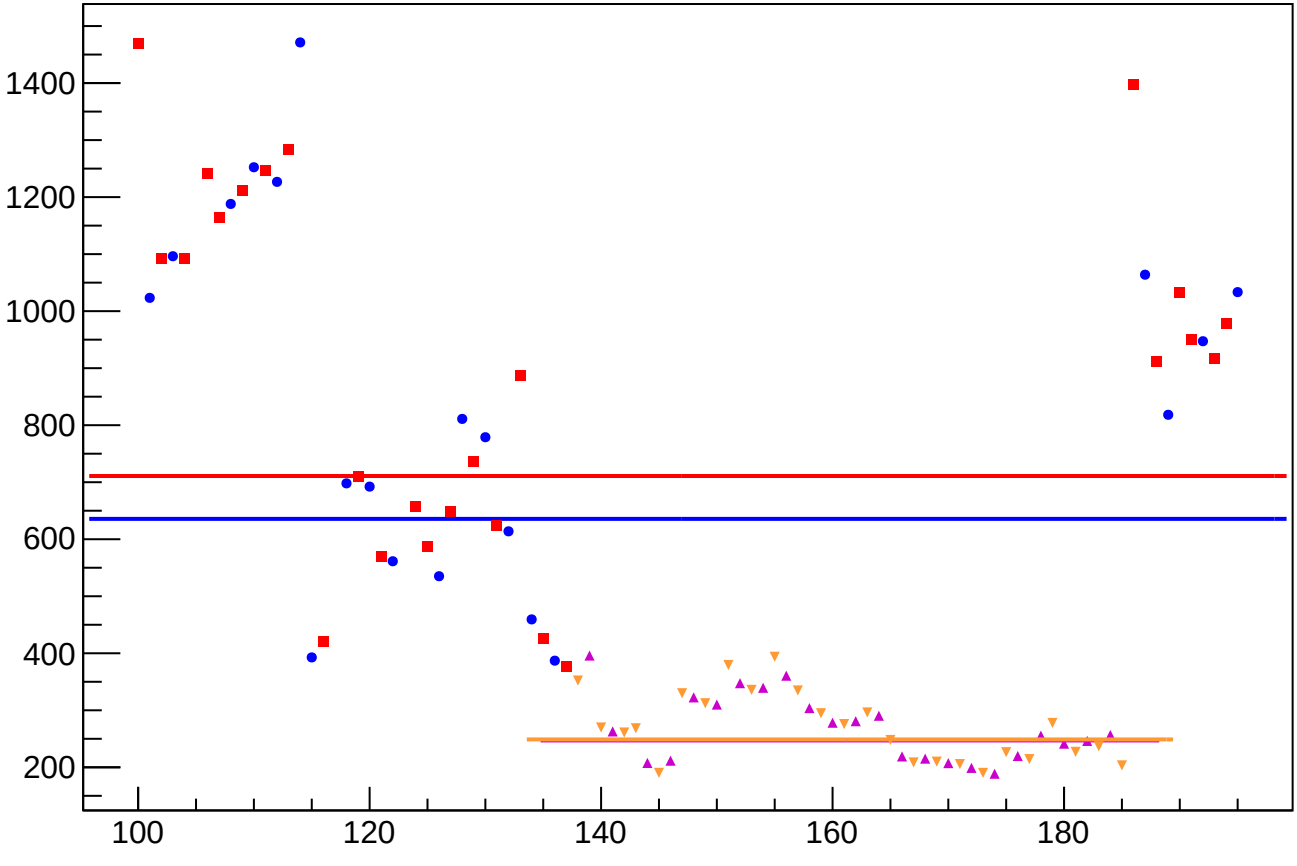
Right: -36.870+/-158.814 χ^2/NDF: 40.4/44

In: 4.171+/-57.131 χ^2/NDF:47.6/42

Out: -224.439+/-56.259 χ^2/NDF:94.7/49

All: -111.891+/-40.086 χ^2/NDF: 150.4/92

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 635.704+/-0.156 χ^2/NDF: 2719233.0/19

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 710.892+/-0.162 χ^2/NDF: 2787339.7/24

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

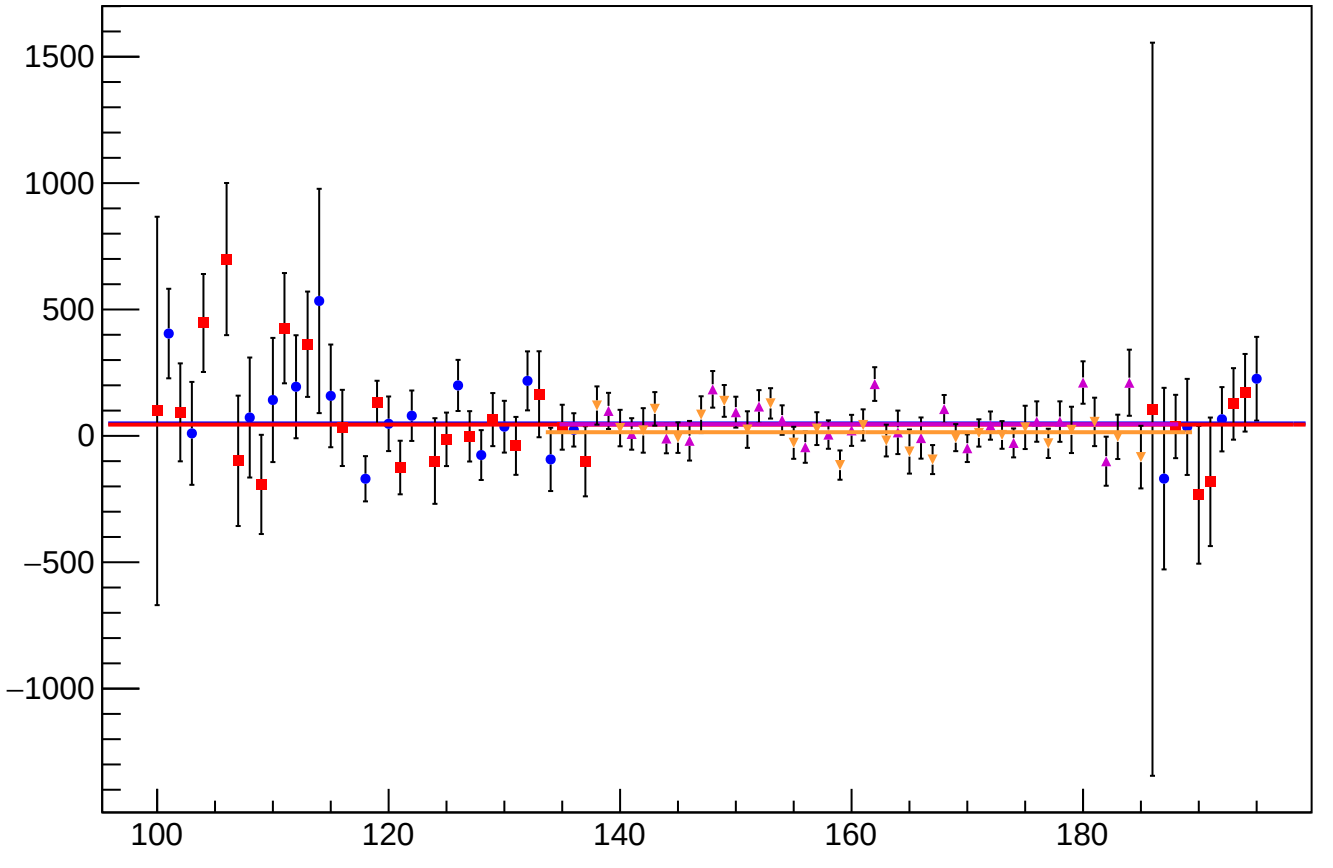
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 671.730+/-0.112 χ^2/NDF: 5618450.3/44

In: 273.302+/-0.040 χ^2/NDF:10020064.0/42

Out: 276.670+/-0.040 χ^2/NDF:12073242.3/49

All: 275.012+/-0.028 χ^2/NDF: 22096836.9/92



Right In: 49.208+/-28.267 χ^2/NDF: 21.2/19

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 44.599+/-28.753 χ^2/NDF: 26.1/24

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

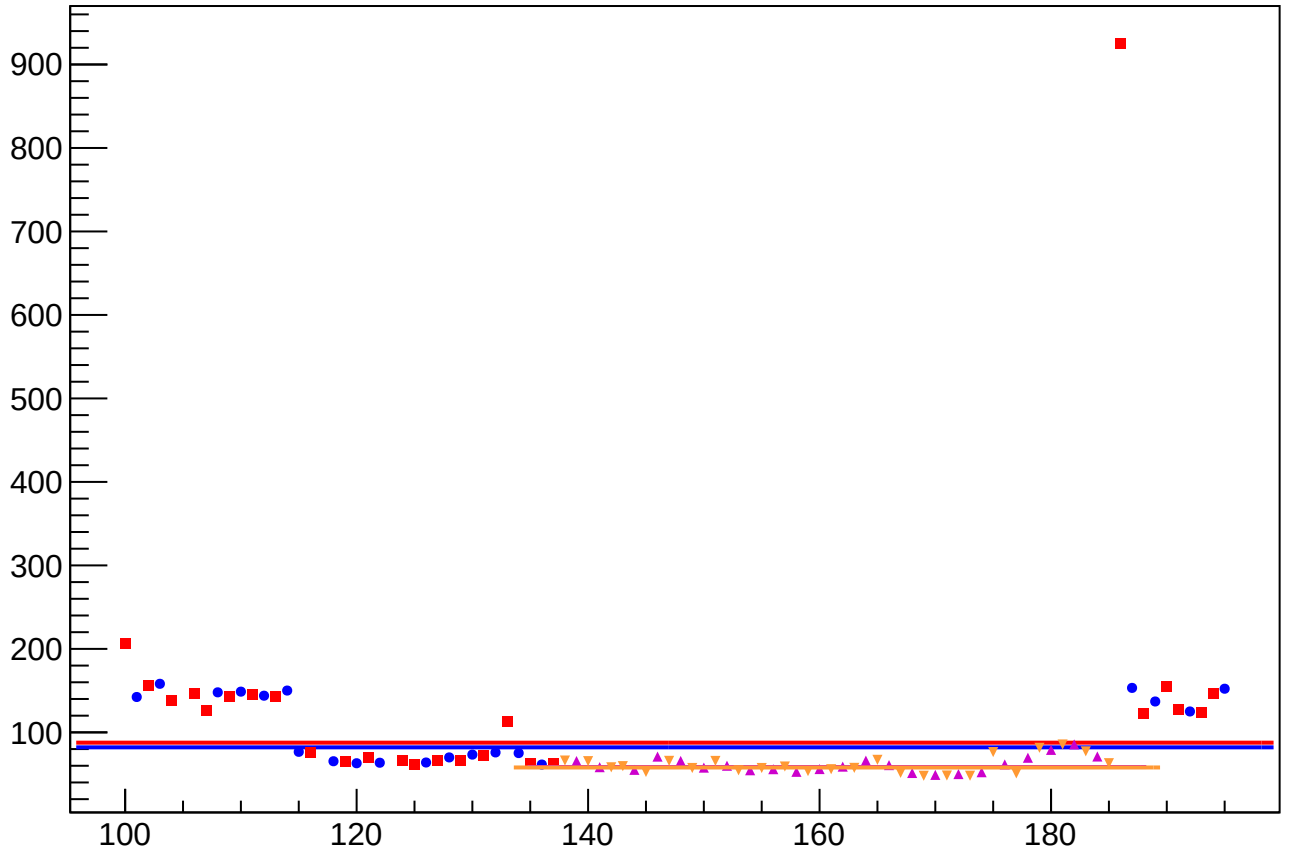
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 46.943+/-20.157 χ^2/NDF: 47.3/44

In: 46.471+/-12.496 χ^2/NDF:51.9/42

Out: 19.905+/-12.186 χ^2/NDF:51.6/49

All: 32.854+/-8.724 χ^2/NDF: 105.8/92



Right In: 82.061+/-0.020 χ^2/NDF: 2393469.4/19

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 87.673+/-0.020 χ^2/NDF: 3234358.8/24

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

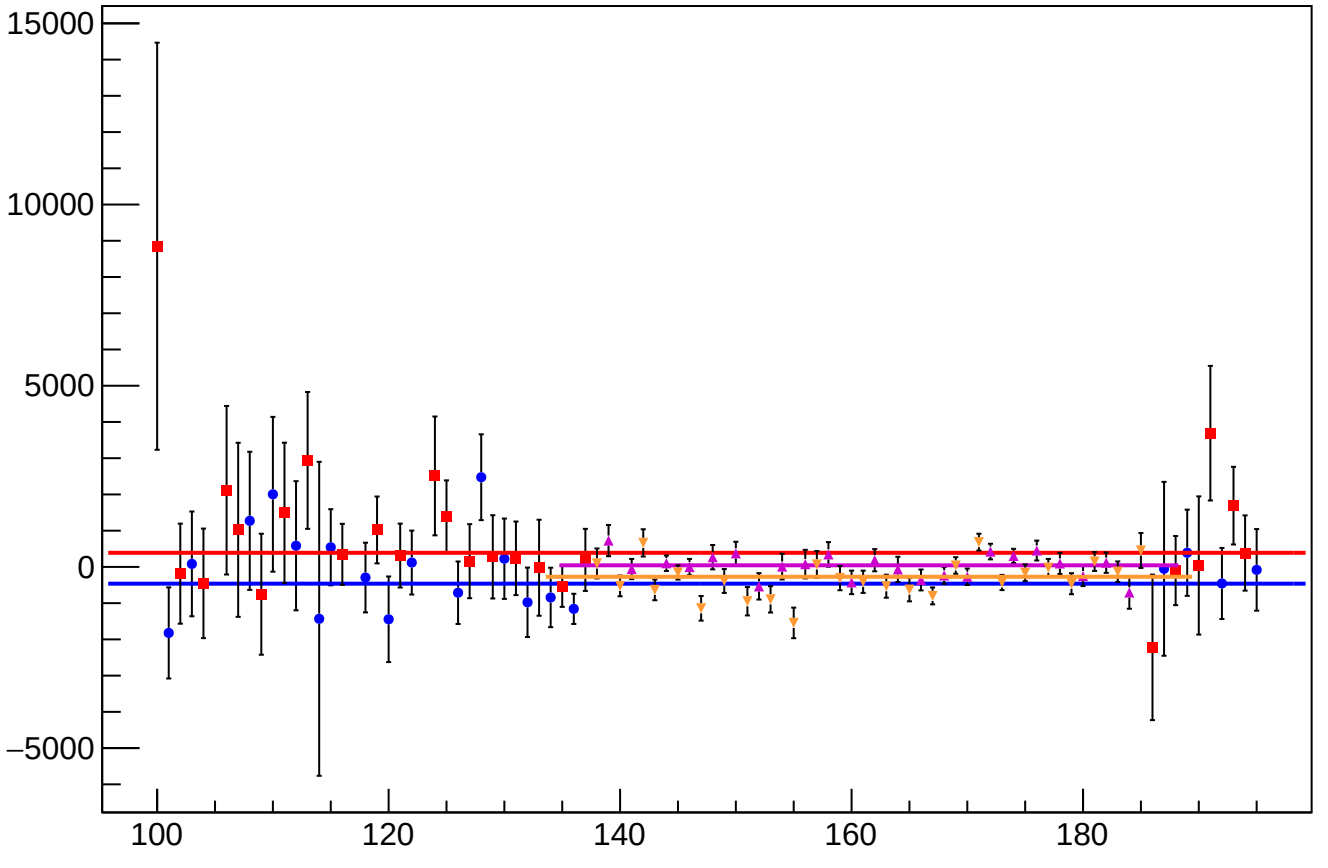
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 84.819+/-0.014 χ^2/NDF: 5666568.1/44

In: 63.088+/-0.009 χ^2/NDF:4163357.8/42

Out: 63.302+/-0.009 χ^2/NDF:5882811.4/49

All: 63.197+/-0.006 χ^2/NDF: 10046469.4/92



Right In: -462.210+/-224.280 χ^2/NDF: 16.5/19

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 389.551+/-230.045 χ^2/NDF: 18.6/24

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

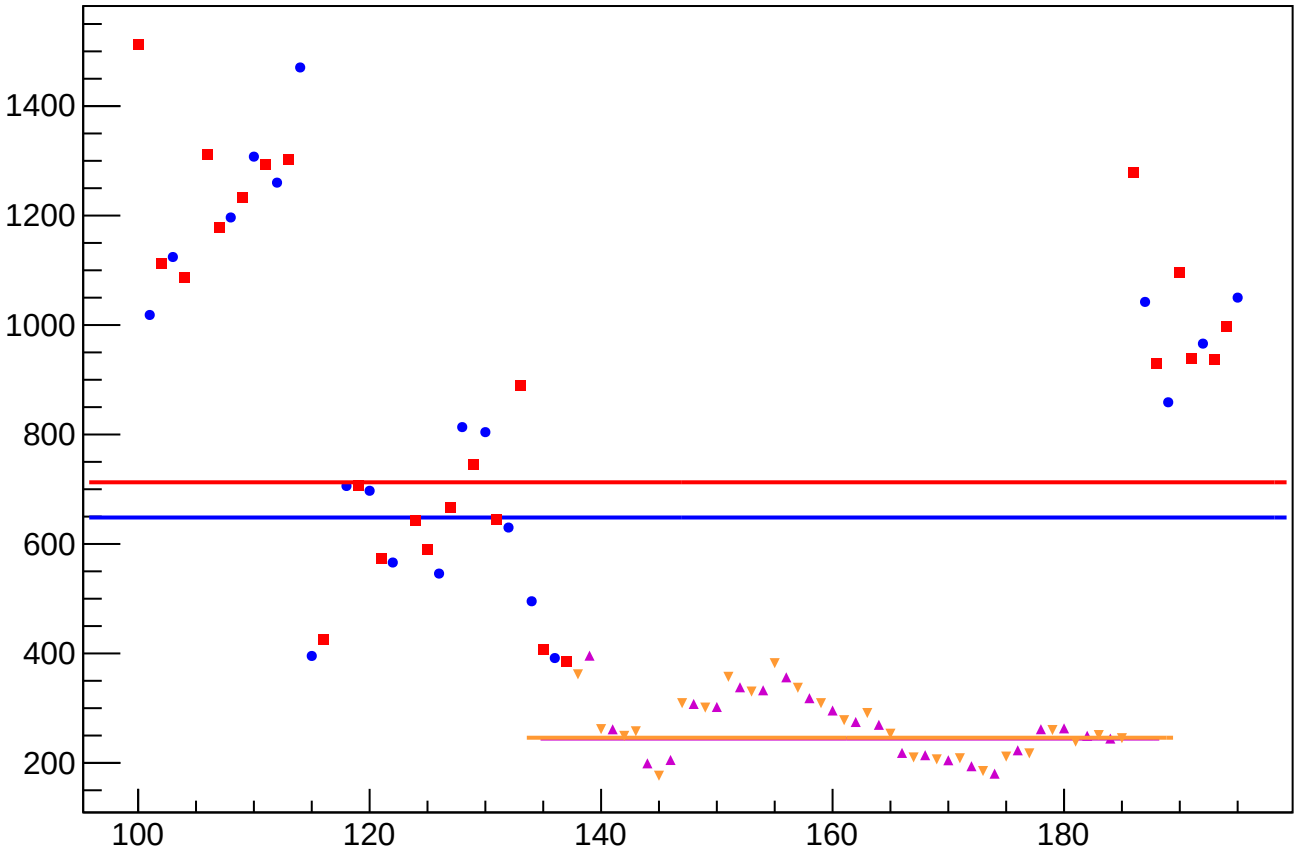
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -47.138+/-160.589 χ^2/NDF: 42.1/44

In: 12.153+/-56.710 χ^2/NDF:47.8/42

Out: -233.870+/-55.577 χ^2/NDF:92.1/49

All: -113.339+/-39.693 χ^2/NDF: 149.5/92



Right In: 648.362+/-0.159 χ^2/NDF: 2715573.4/19

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 712.682+/-0.163 χ^2/NDF: 2950973.4/24

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

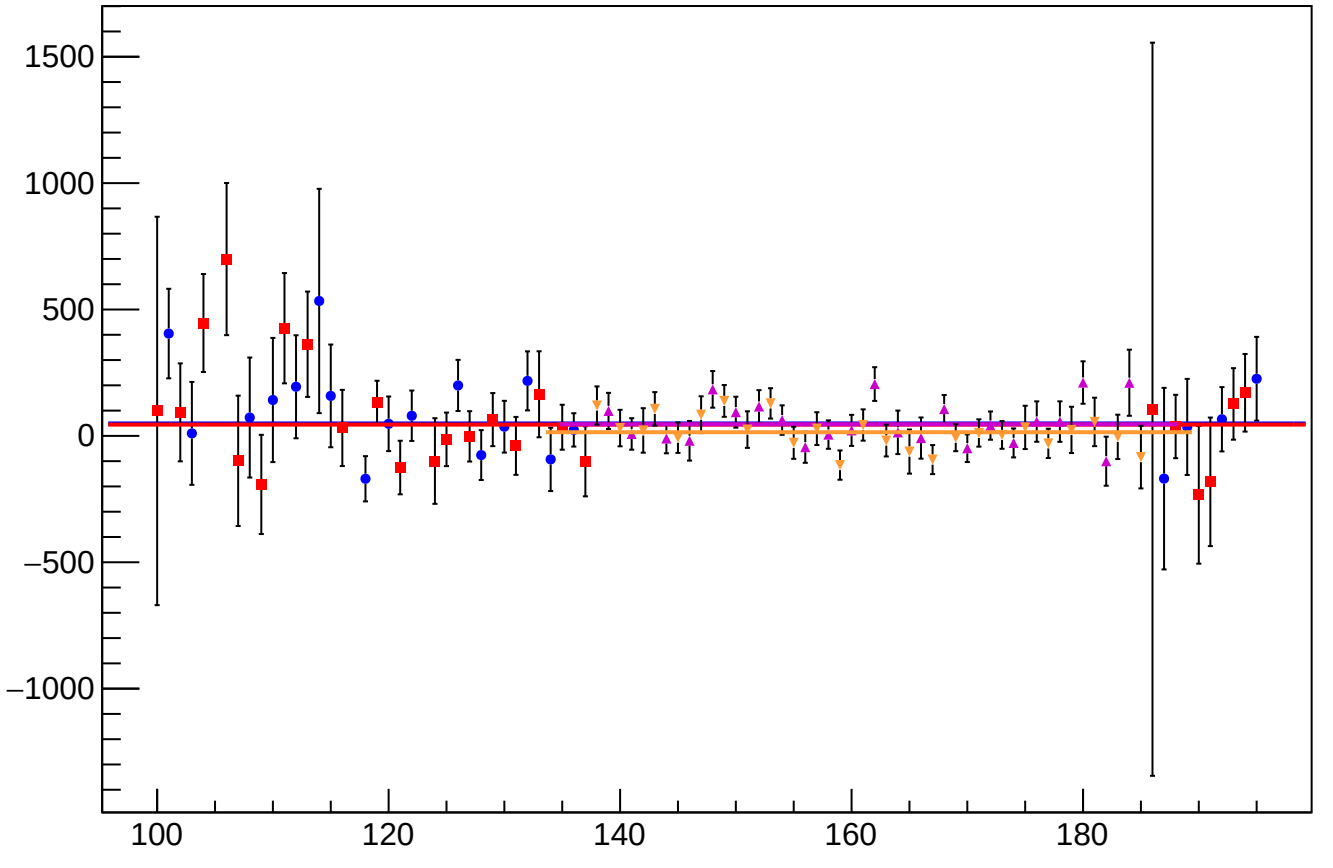
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 679.705+/-0.114 χ^2/NDF: 5746705.1/44

In: 270.274+/-0.040 χ^2/NDF:10384528.9/42

Out: 273.255+/-0.039 χ^2/NDF:12381411.8/49

All: 271.794+/-0.028 χ^2/NDF: 22768759.4/92



Right In: 49.209+/-28.266 χ^2/NDF: 21.2/19

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 44.599+/-28.753 χ^2/NDF: 26.1/24

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

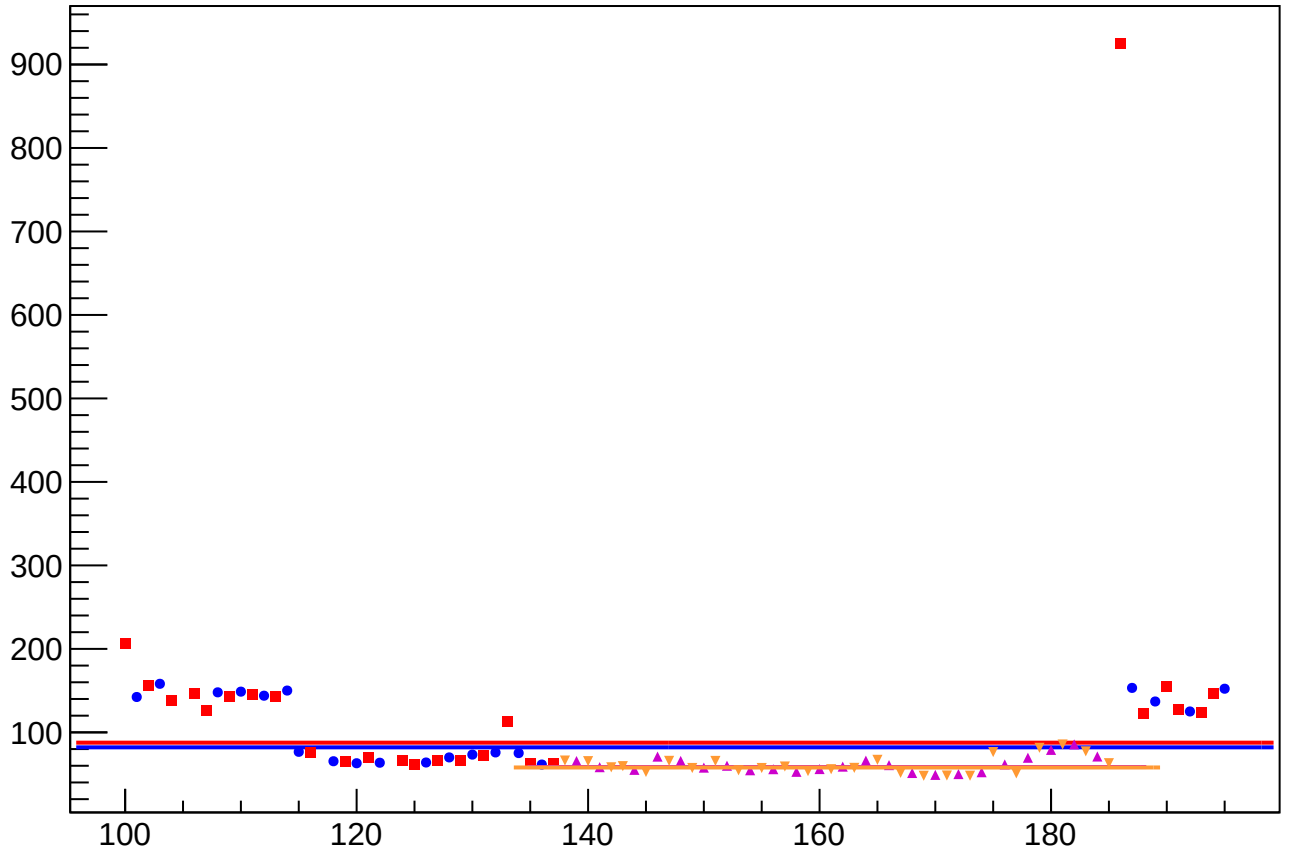
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 46.943+/-20.157 χ^2/NDF: 47.3/44

In: 46.470+/-12.496 χ^2/NDF:51.9/42

Out: 19.905+/-12.186 χ^2/NDF:51.6/49

All: 32.854+/-8.724 χ^2/NDF: 105.8/92



Right In: 82.061+/-0.020 χ^2/NDF: 2393464.1/19

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 87.672+/-0.020 χ^2/NDF: 3234361.0/24

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

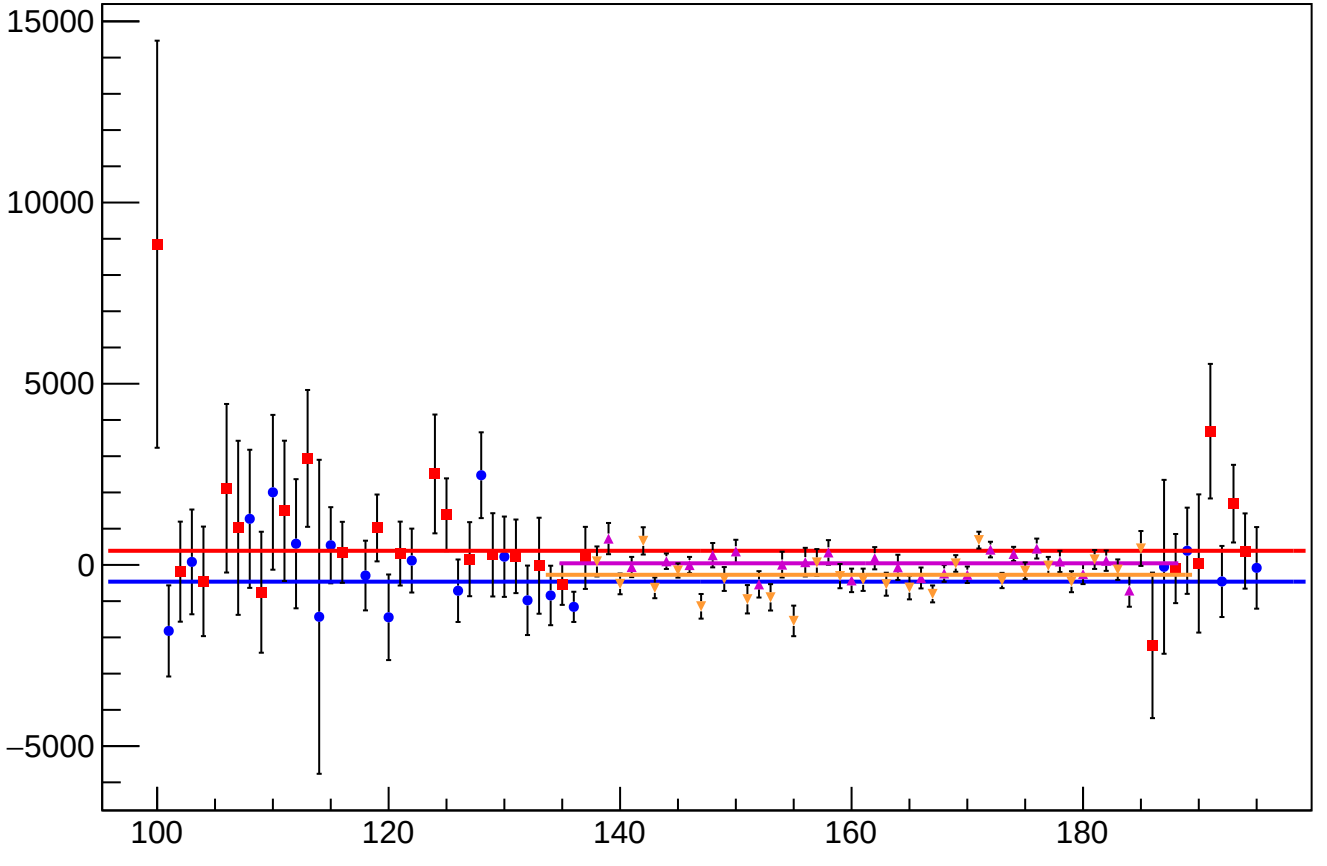
Right: 84.819+/-0.014 χ^2/NDF: 5666565.7/44

In: 63.088+/-0.009 χ^2/NDF:4163303.1/42

Out: 63.302+/-0.009 χ^2/NDF:5882780.9/49

All: 63.197+/-0.006 χ^2/NDF: 10046384.0/92

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -462.208+/-224.279 χ^2/NDF: 16.5/19

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 389.551+/-230.045 χ^2/NDF: 18.6/24

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

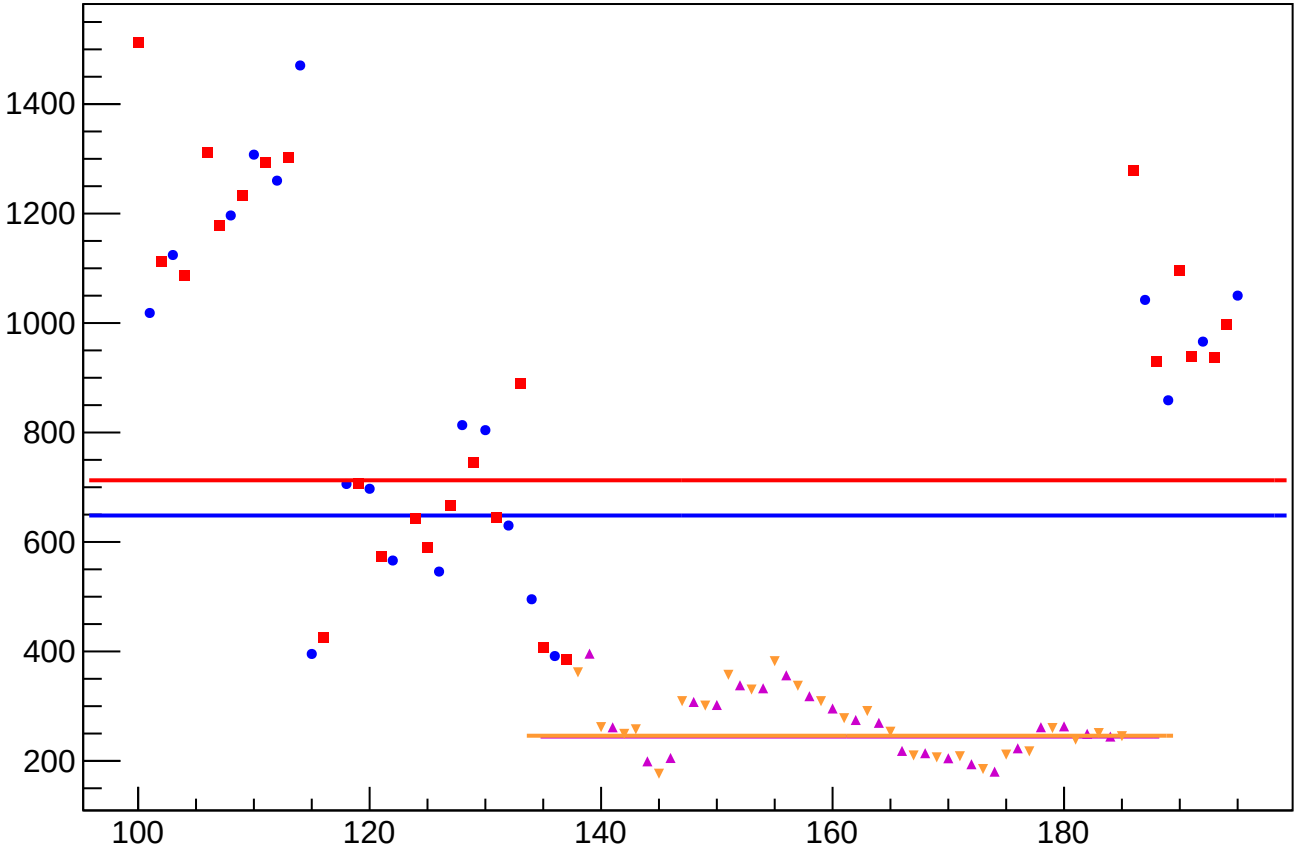
Right: -47.136+/-160.589 χ^2/NDF: 42.1/44

In: 12.153+/-56.710 χ^2/NDF:47.8/42

Out: -233.870+/-55.577 χ^2/NDF:92.1/49

All: -113.339+/-39.693 χ^2/NDF: 149.5/92

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 648.361+/-0.159 χ^2/NDF: 2715557.2/19

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 712.681+/-0.163 χ^2/NDF: 2950955.4/24

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

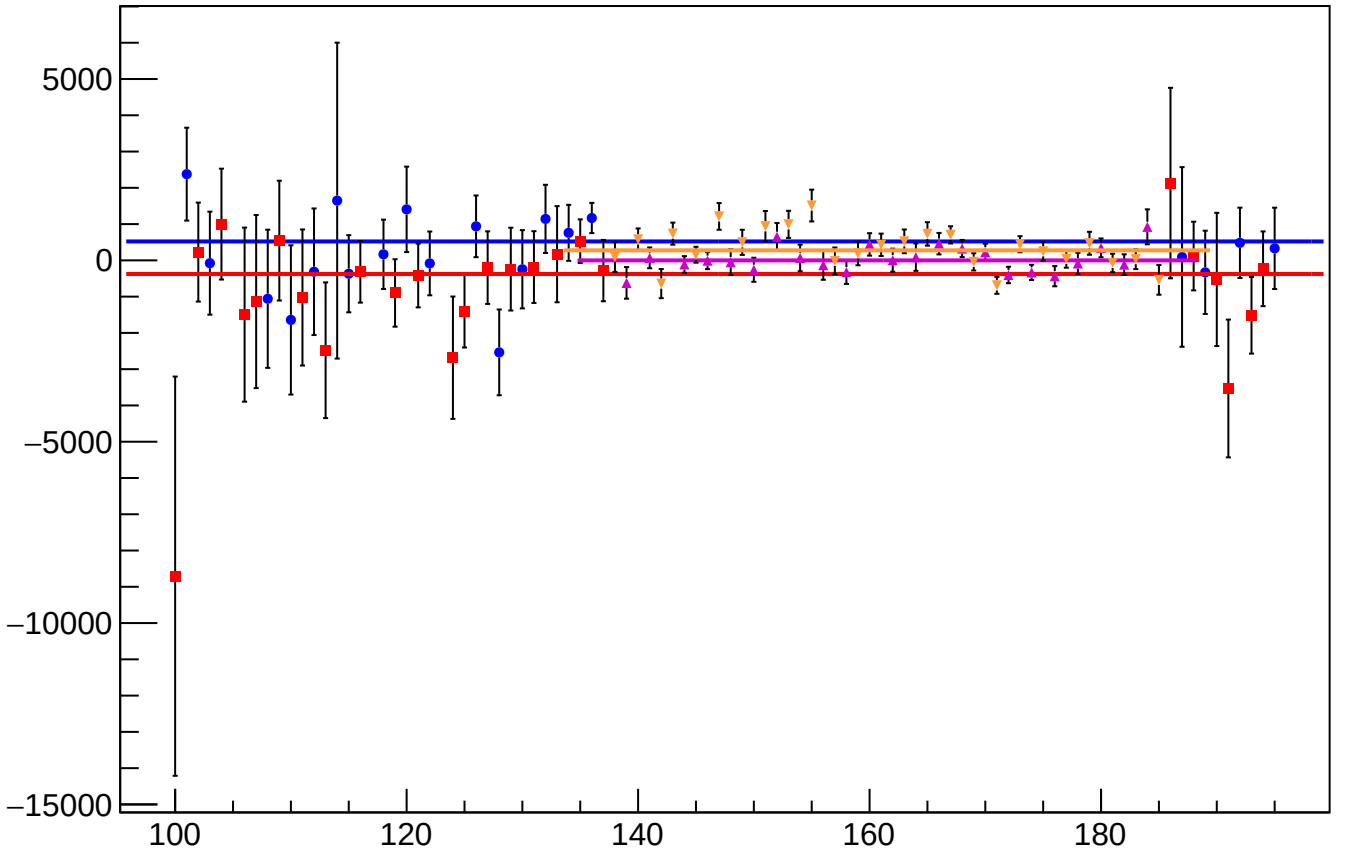
Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

Right: 679.705+/-0.114 χ^2/NDF: 5746671.0/44

In: 270.273+/-0.040 χ^2/NDF:10384509.2/42

Out: 273.254+/-0.039 χ^2/NDF:12381410.1/49

All: 271.794+/-0.028 χ^2/NDF: 22768737.6/92



Right In: 521.550+/-221.953 χ^2/NDF: 17.2/19

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -376.046+/-231.442 χ^2/NDF: 16.2/24

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

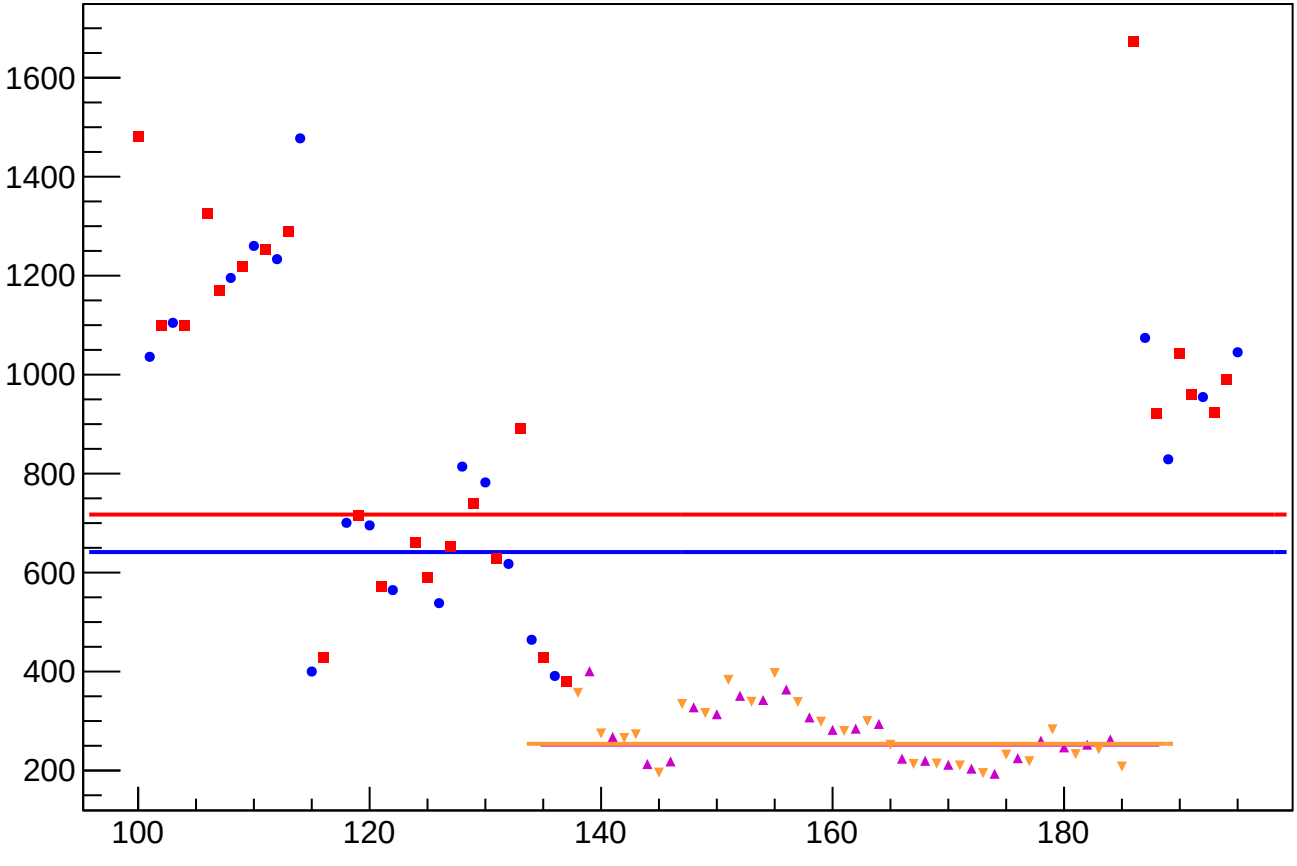
Right: 91.529+/-160.194 χ^2/NDF: 41.3/44

In: 35.394+/-58.241 χ^2/NDF:50.5/42

Out: 237.034+/-57.307 χ^2/NDF:87.8/49

All: 137.845+/-40.848 χ^2/NDF: 144.4/92

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 641.480+/-0.157 χ^2/NDF: 2704192.7/19

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 717.252+/-0.164 χ^2/NDF: 2885274.6/24

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

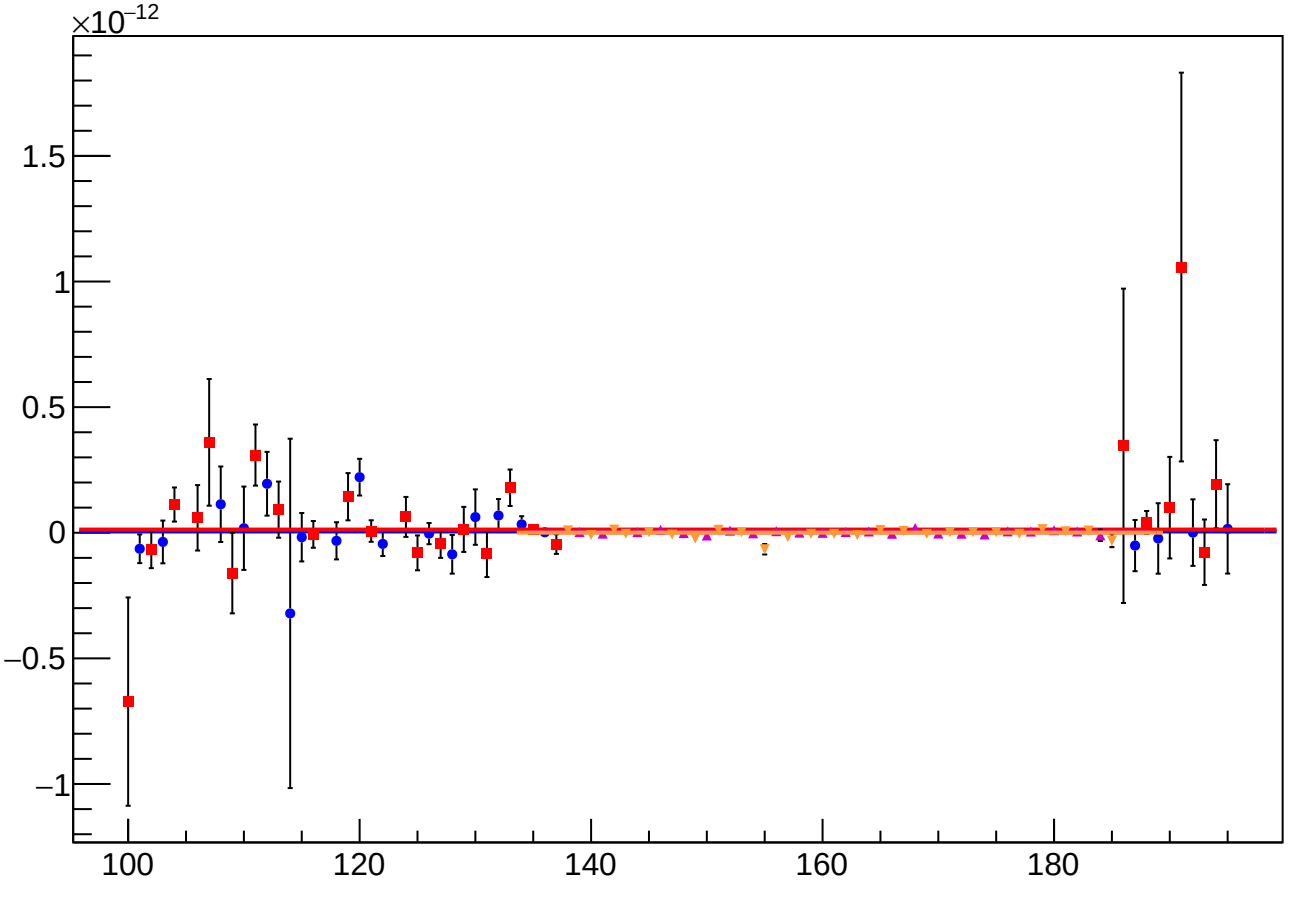
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 677.781+/-0.113 χ^2/NDF: 5701137.2/44

In: 279.181+/-0.041 χ^2/NDF:9839400.8/42

Out: 282.358+/-0.041 χ^2/NDF:11999054.1/49

All: 280.795+/-0.029 χ^2/NDF: 21841478.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.7/24

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

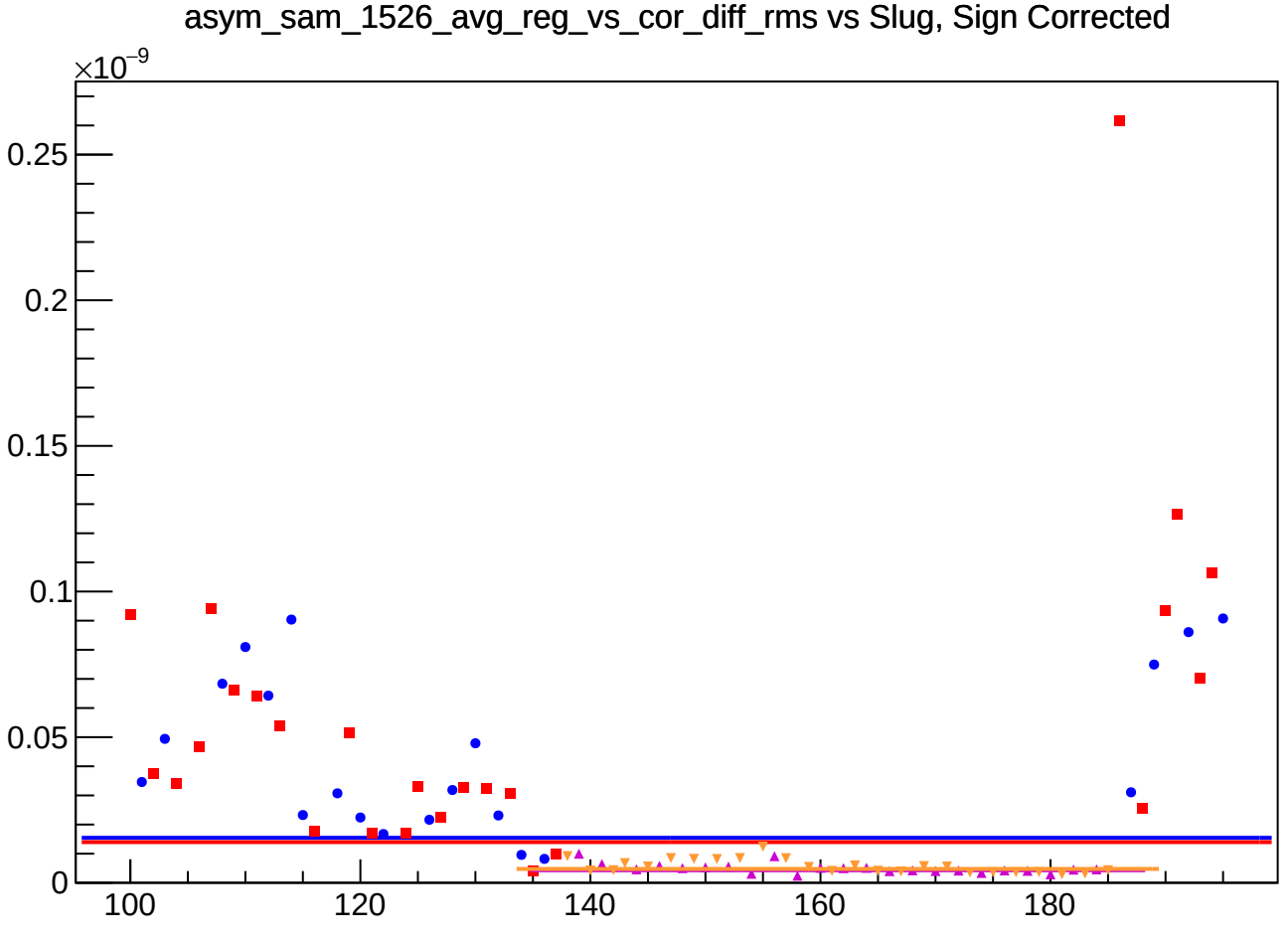
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 52.6/44

In: 0.000+/-0.000 χ^2/NDF:32.7/42

Out: 0.000+/-0.000 χ^2/NDF:62.0/49

All: 0.000+/-0.000 χ^2/NDF: 94.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 3853764.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5245080.1/24

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

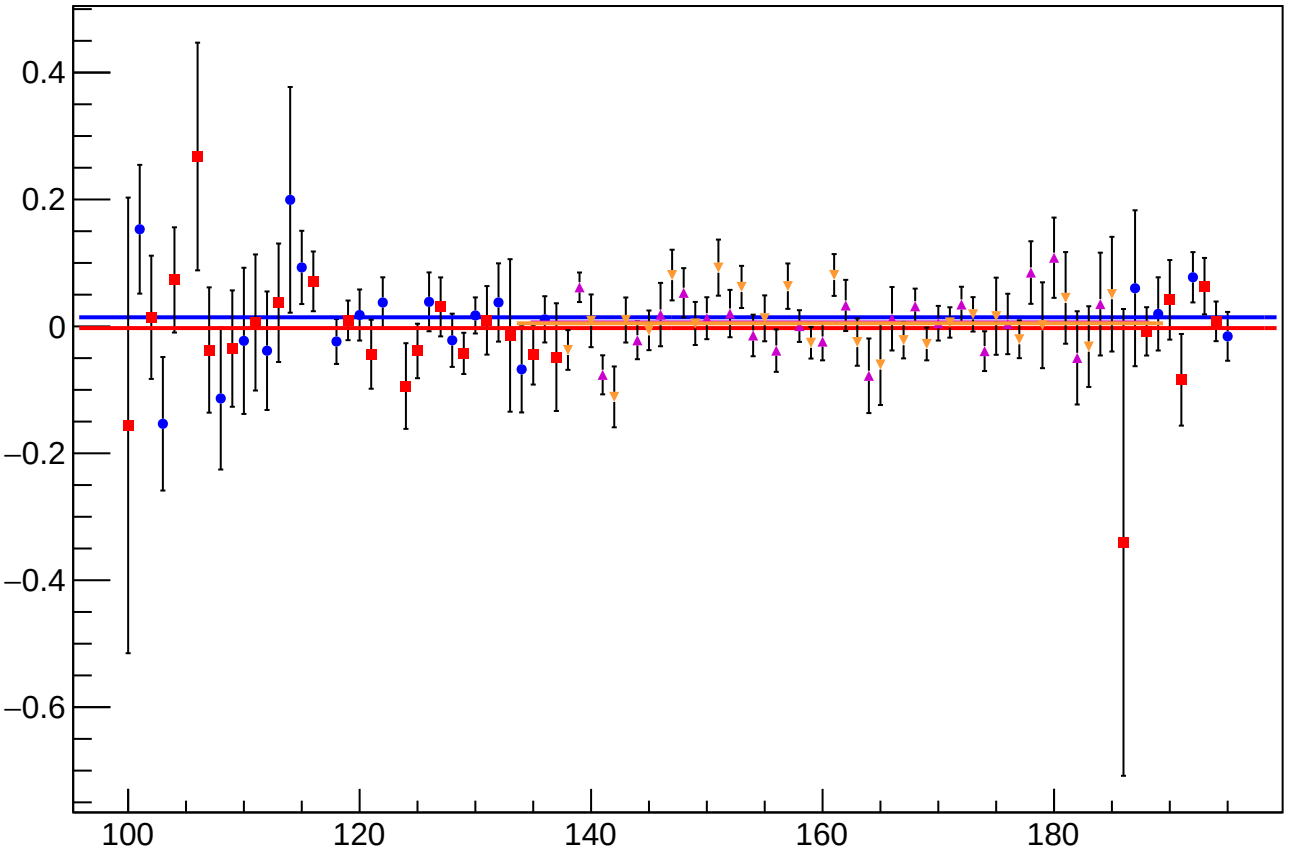
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9119352.7/44

In: 0.000+/-0.000 χ^2/NDF:7062280.1/42

Out: 0.000+/-0.000 χ^2/NDF:8434325.4/49

All: 0.000+/-0.000 χ^2/NDF: 15544545.8/92



Right In: 0.014+/-0.011 χ^2/NDF: 16.5/19

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 17.6/24

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

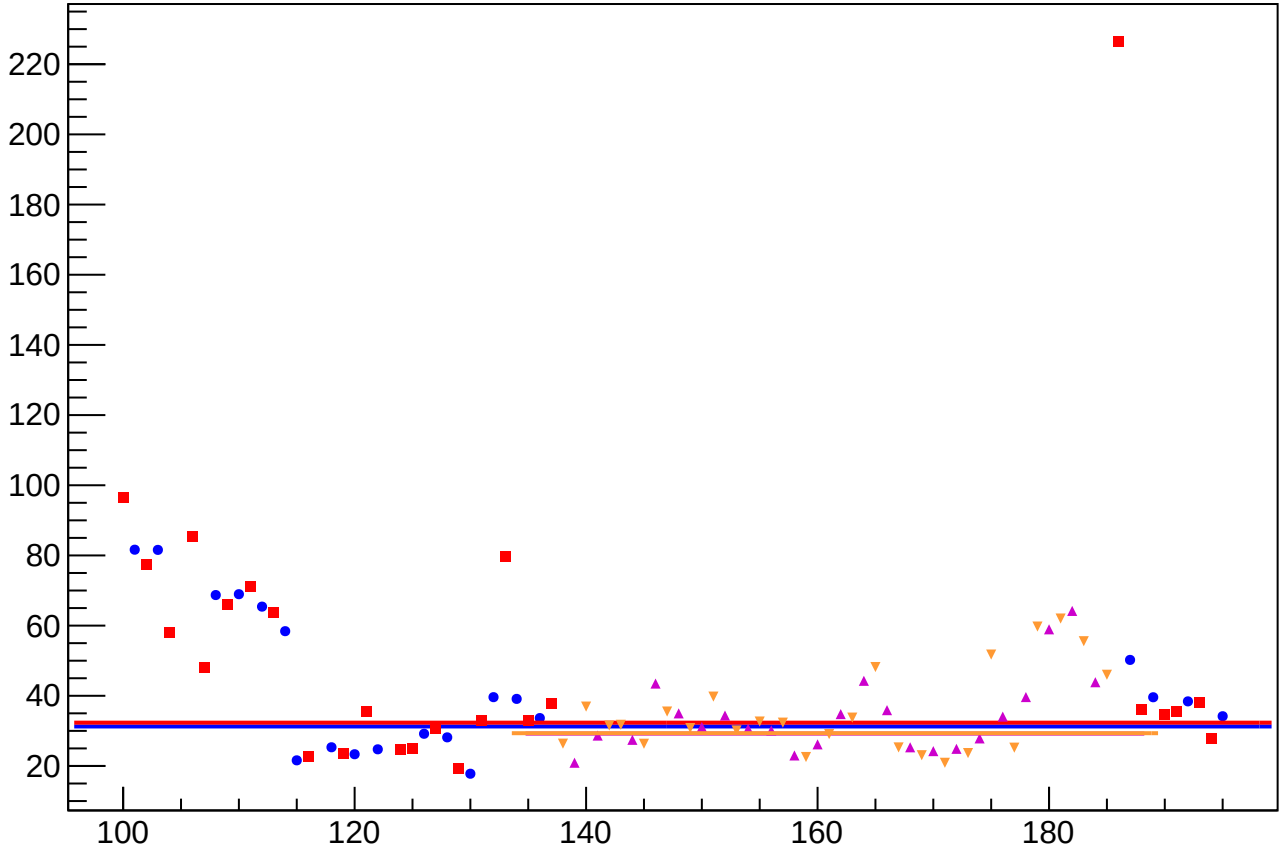
Right: 0.006+/-0.008 χ^2/NDF: 35.3/44

In: 0.009+/-0.006 χ^2/NDF:47.9/42

Out: 0.003+/-0.006 χ^2/NDF:51.9/49

All: 0.006+/-0.004 χ^2/NDF: 100.3/92

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.256+/-0.008 χ^2/NDF: 2647830.0/19

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.344+/-0.008 χ^2/NDF: 3314738.8/24

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

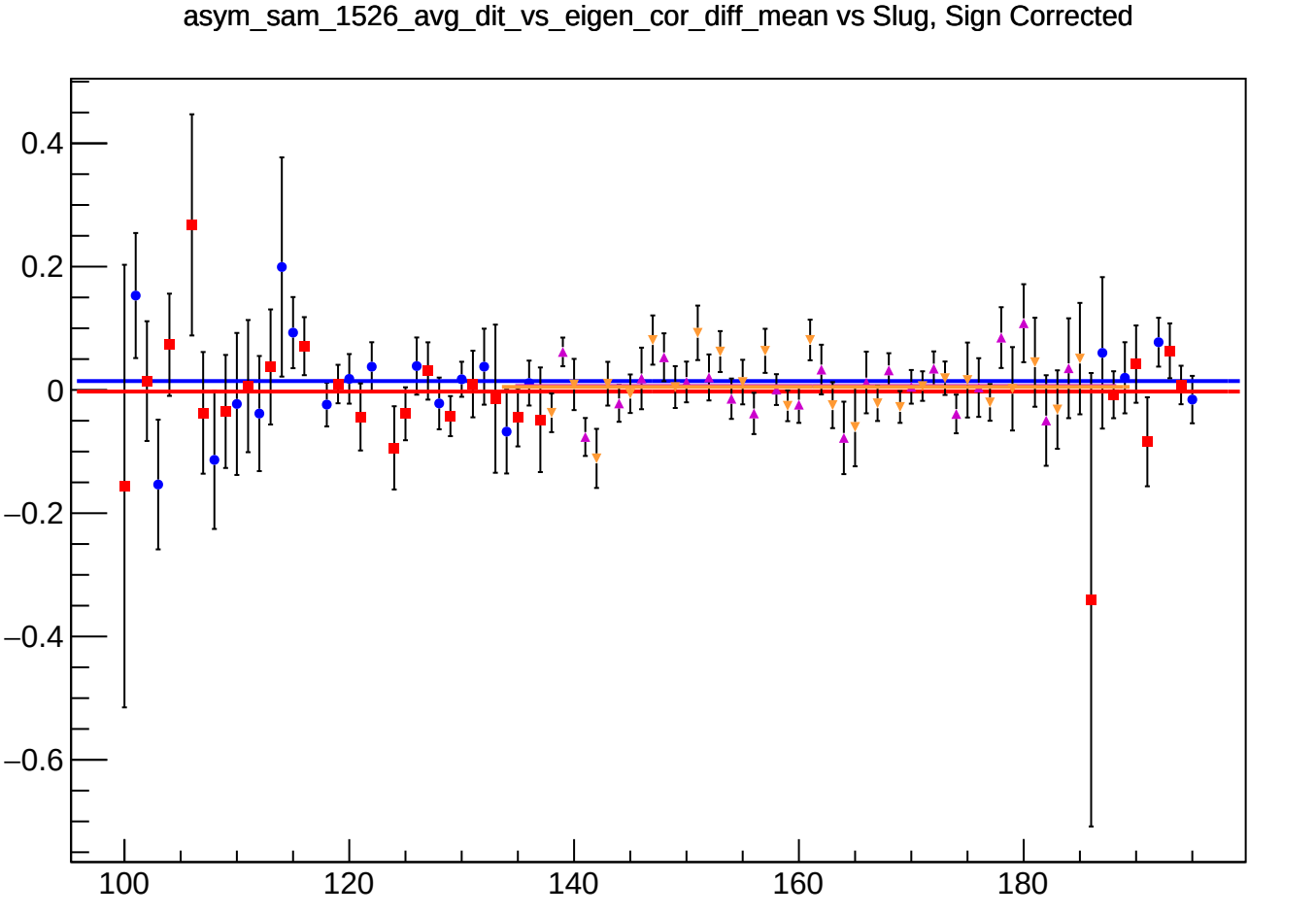
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.812+/-0.006 χ^2/NDF: 5972256.4/44

In: 29.830+/-0.004 χ^2/NDF:4791947.8/42

Out: 30.231+/-0.004 χ^2/NDF:6108295.1/49

All: 30.035+/-0.003 χ^2/NDF: 10904685.6/92



Right In: 0.014+/-0.011 χ^2/NDF: 16.5/19

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 17.6/24

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

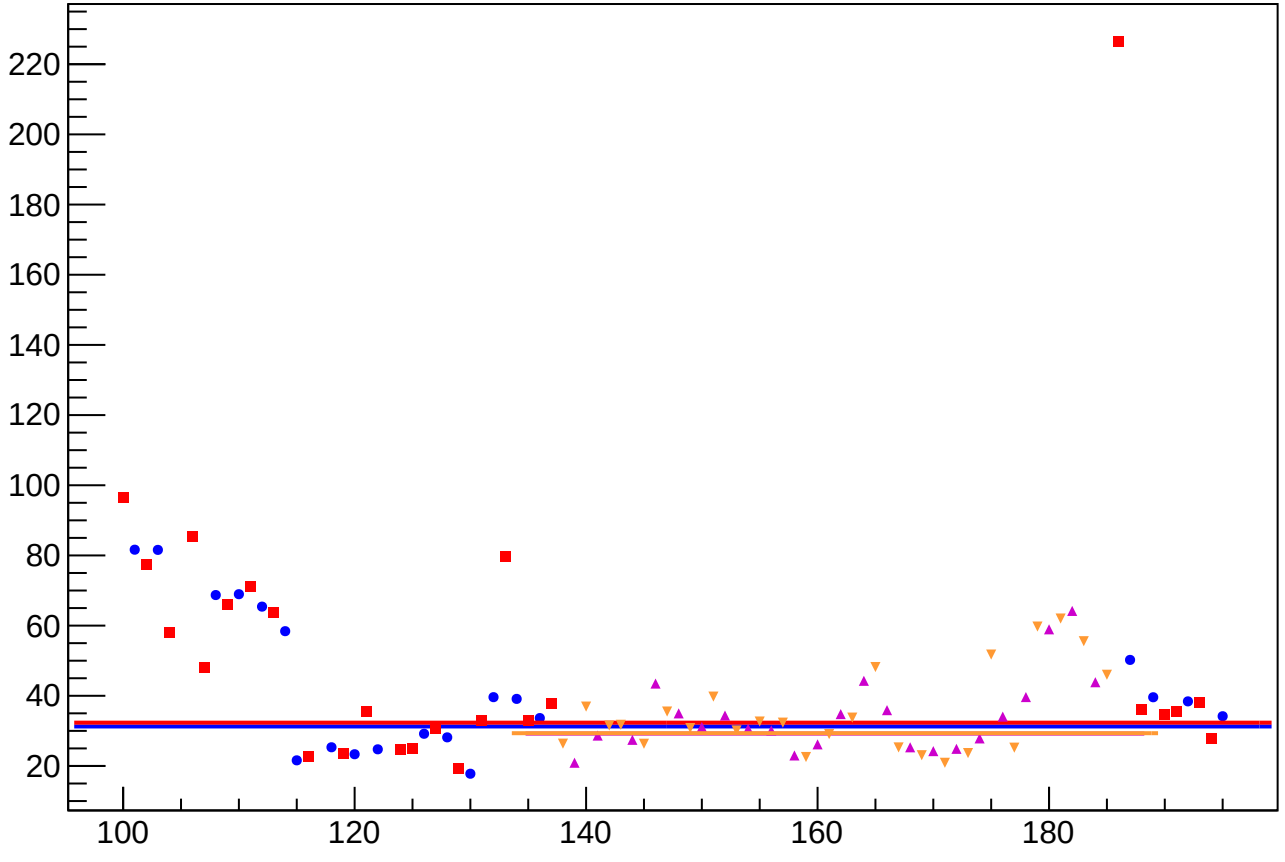
Right: 0.006+/-0.008 χ^2/NDF: 35.3/44

In: 0.009+/-0.006 χ^2/NDF:47.9/42

Out: 0.003+/-0.006 χ^2/NDF:51.9/49

All: 0.006+/-0.004 χ^2/NDF: 100.3/92

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.256+/-0.008 χ^2/NDF: 2647830.0/19

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.344+/-0.008 χ^2/NDF: 3314738.8/24

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

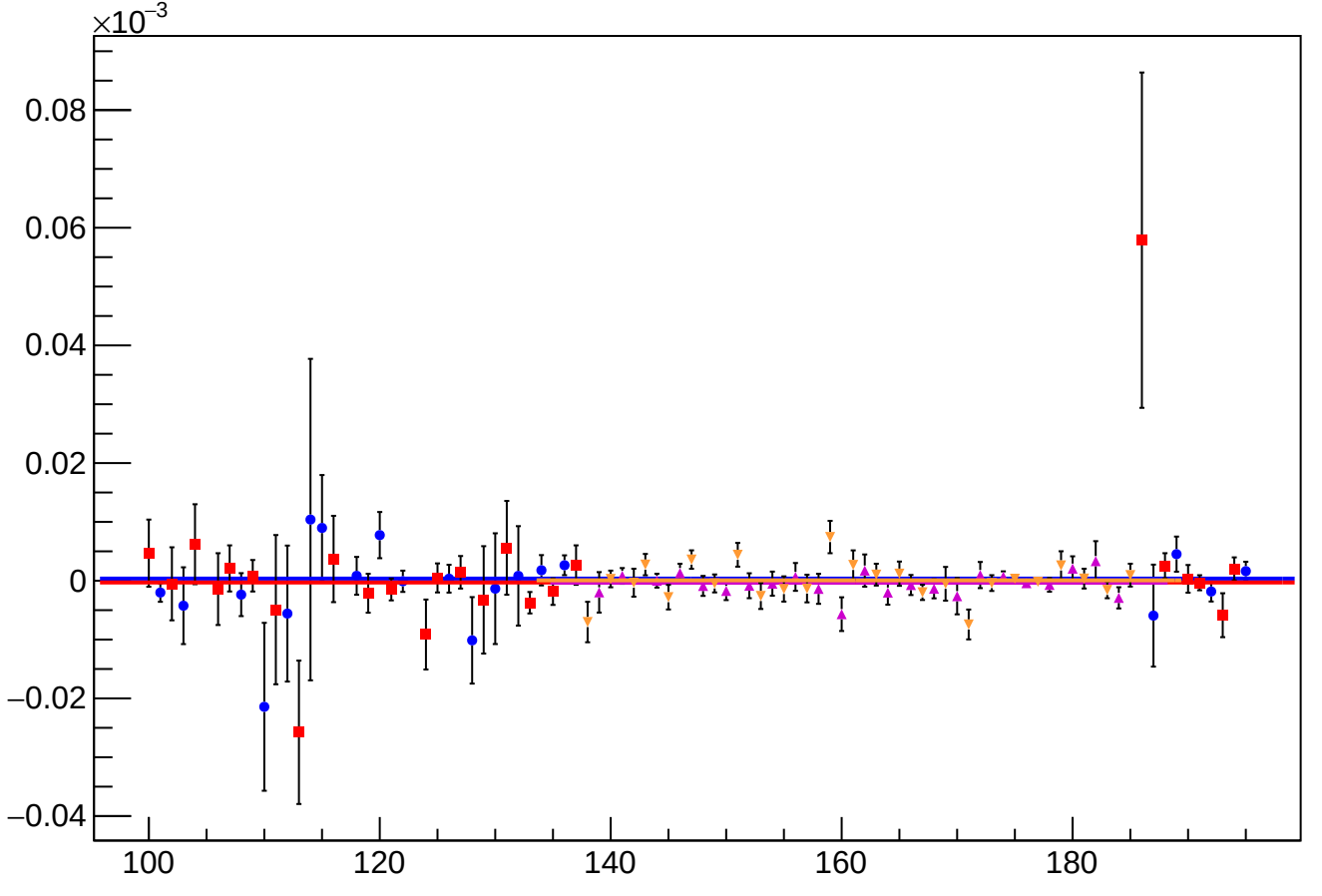
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.812+/-0.006 χ^2/NDF: 5972256.4/44

In: 29.830+/-0.004 χ^2/NDF:4791947.8/42

Out: 30.231+/-0.004 χ^2/NDF:6108295.1/49

All: 30.035+/-0.003 χ^2/NDF: 10904685.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

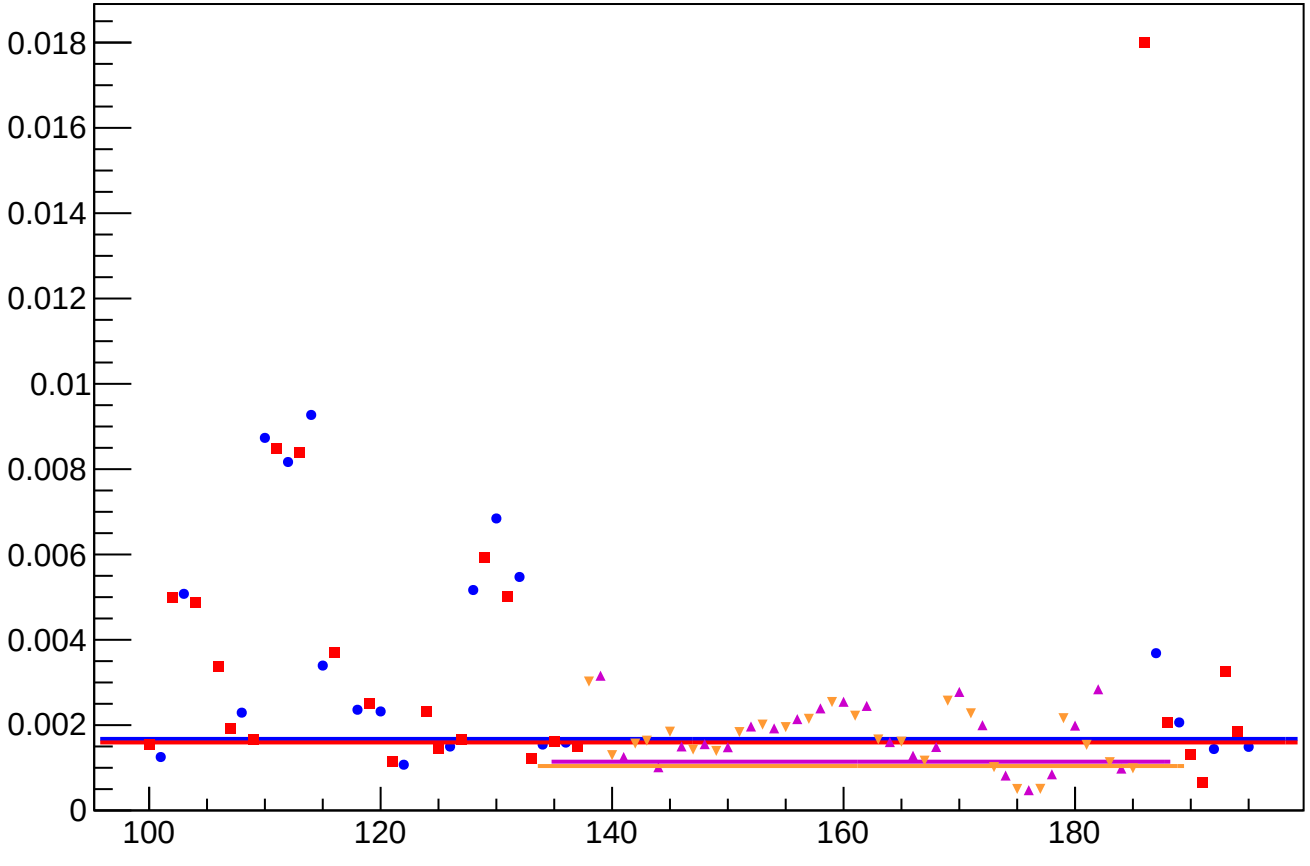
Right: 0.000+/-0.000 χ^2/NDF: 45.8/44

In: -0.000+/-0.000 χ^2/NDF:36.0/42

Out: 0.000+/-0.000 χ^2/NDF:69.6/49

All: -0.000+/-0.000 χ^2/NDF: 105.9/92

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4147938.6/19

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6165372.6/24

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

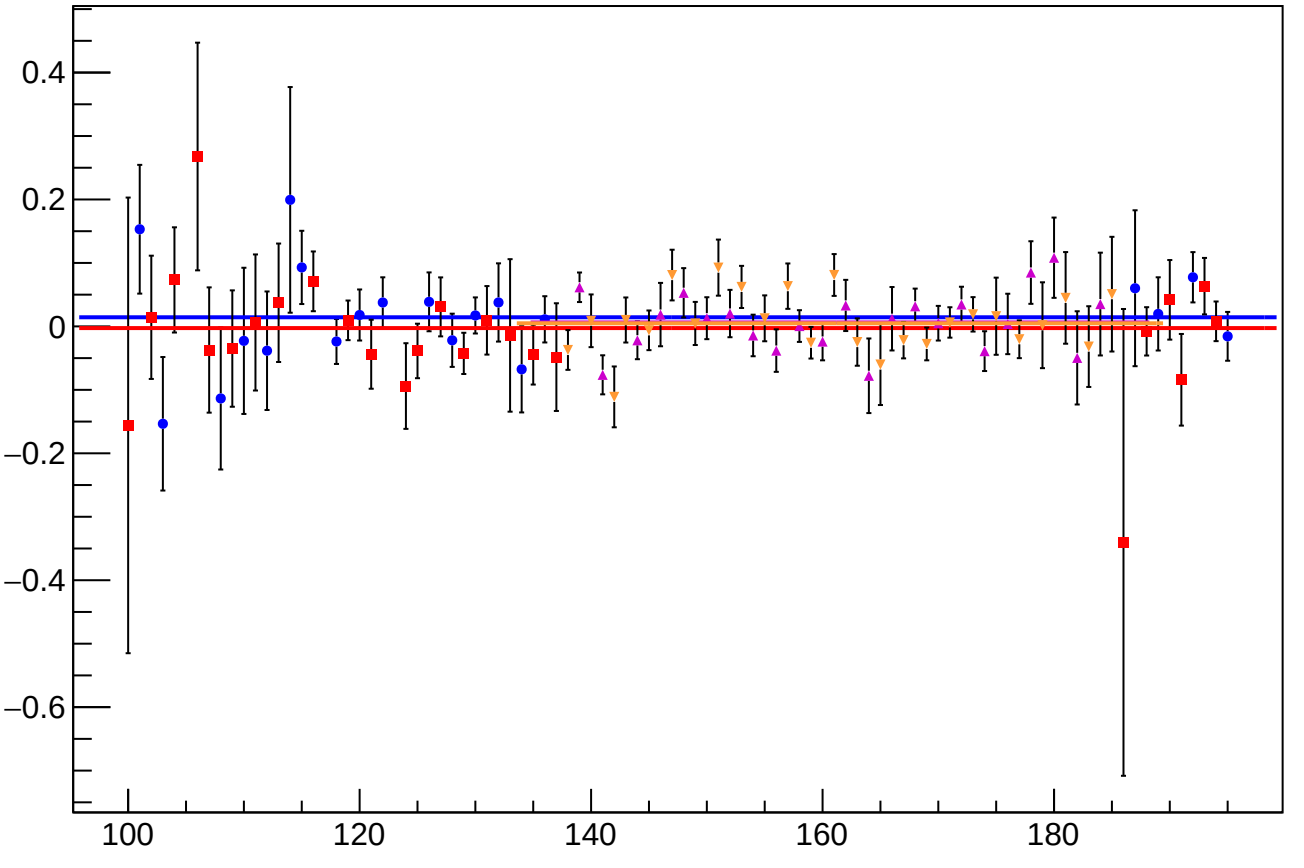
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 10332427.9/44

In: 0.001+/-0.000 χ^2/NDF:13618485.9/42

Out: 0.001+/-0.000 χ^2/NDF:17479085.2/49

All: 0.001+/-0.000 χ^2/NDF: 31251797.0/92



Right In: 0.014+/-0.011 χ^2/NDF: 16.5/19

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 17.6/24

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

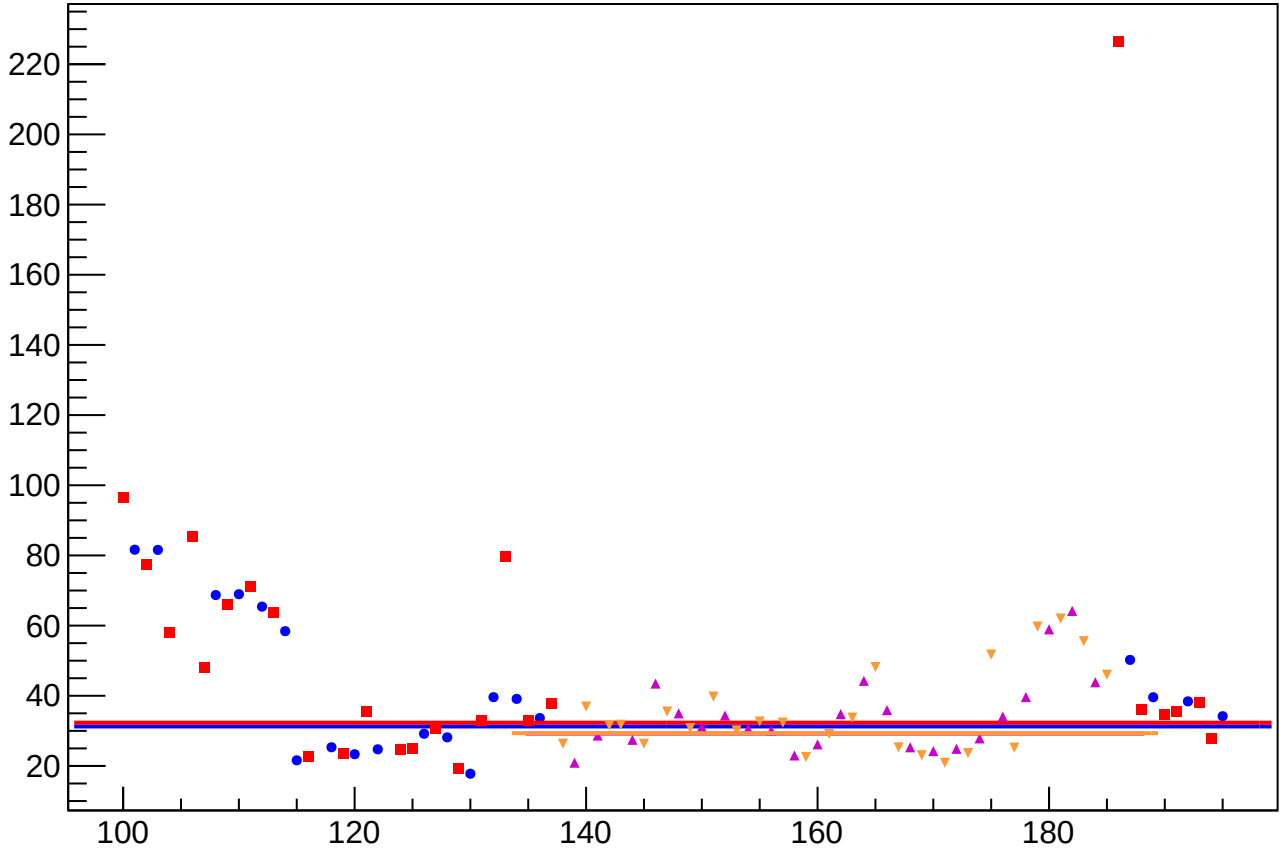
Right: 0.006+/-0.008 χ^2/NDF: 35.3/44

In: 0.009+/-0.006 χ^2/NDF:47.9/42

Out: 0.003+/-0.006 χ^2/NDF:51.9/49

All: 0.006+/-0.004 χ^2/NDF: 100.3/92

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.255+/-0.008 χ^2/NDF: 2648093.3/19

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.343+/-0.008 χ^2/NDF: 3314913.9/24

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

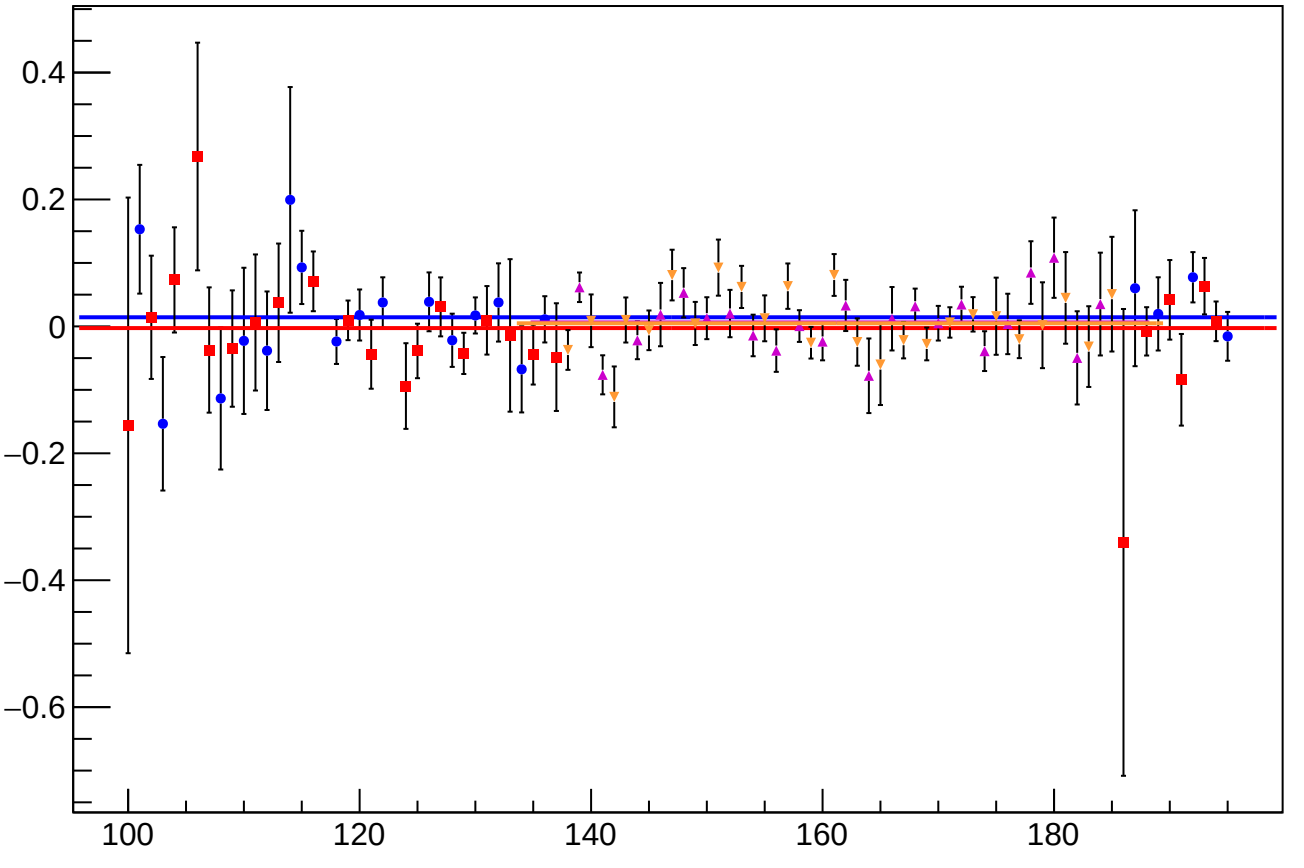
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.811+/-0.006 χ^2/NDF: 5972699.4/44

In: 29.830+/-0.004 χ^2/NDF:4792108.5/42

Out: 30.231+/-0.004 χ^2/NDF:6108441.2/49

All: 30.035+/-0.003 χ^2/NDF: 10904990.6/92



Right In: 0.014+/-0.011 χ^2/NDF: 16.5/19

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 17.6/24

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

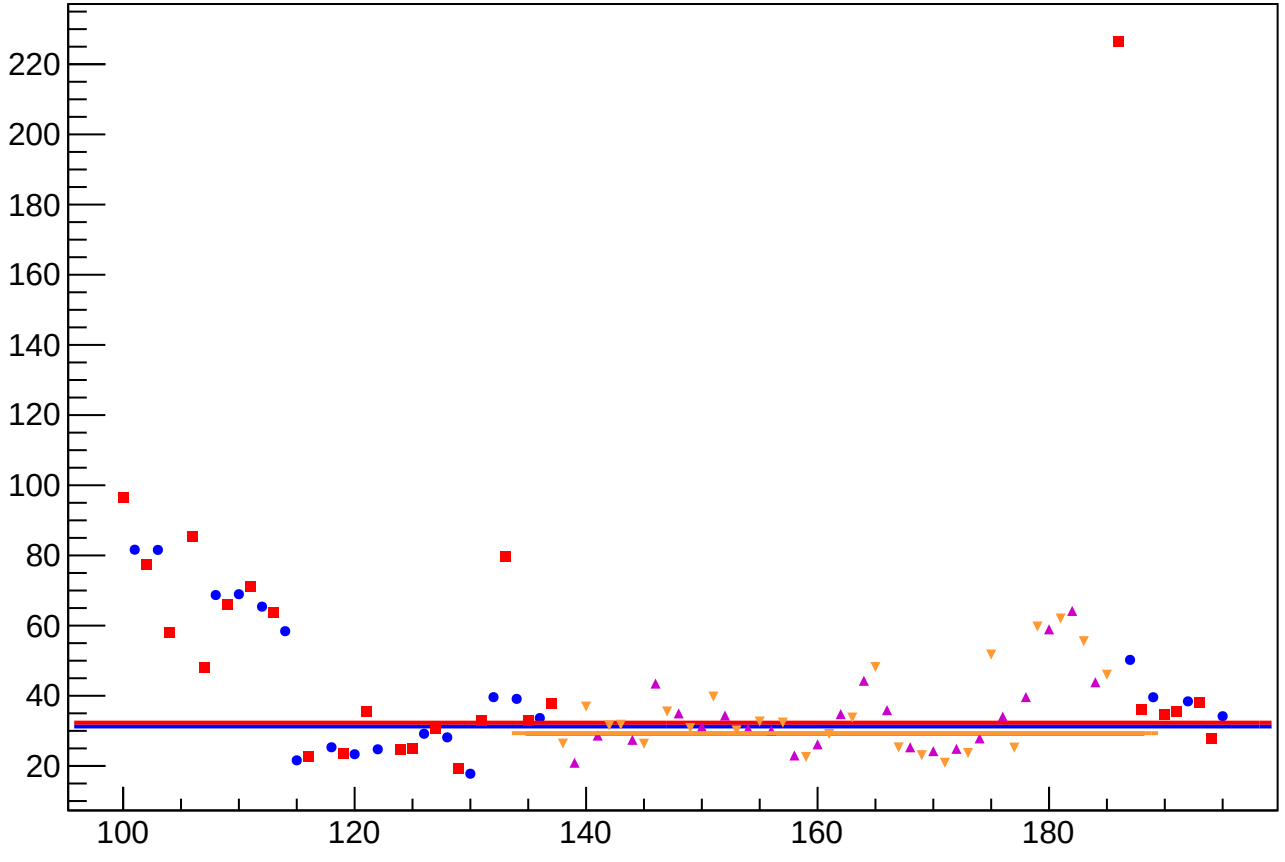
Right: 0.006+/-0.008 χ^2/NDF: 35.3/44

In: 0.009+/-0.006 χ^2/NDF:47.9/42

Out: 0.003+/-0.006 χ^2/NDF:51.9/49

All: 0.006+/-0.004 χ^2/NDF: 100.3/92

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.255+/-0.008 χ^2/NDF: 2648093.3/19

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.343+/-0.008 χ^2/NDF: 3314913.9/24

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

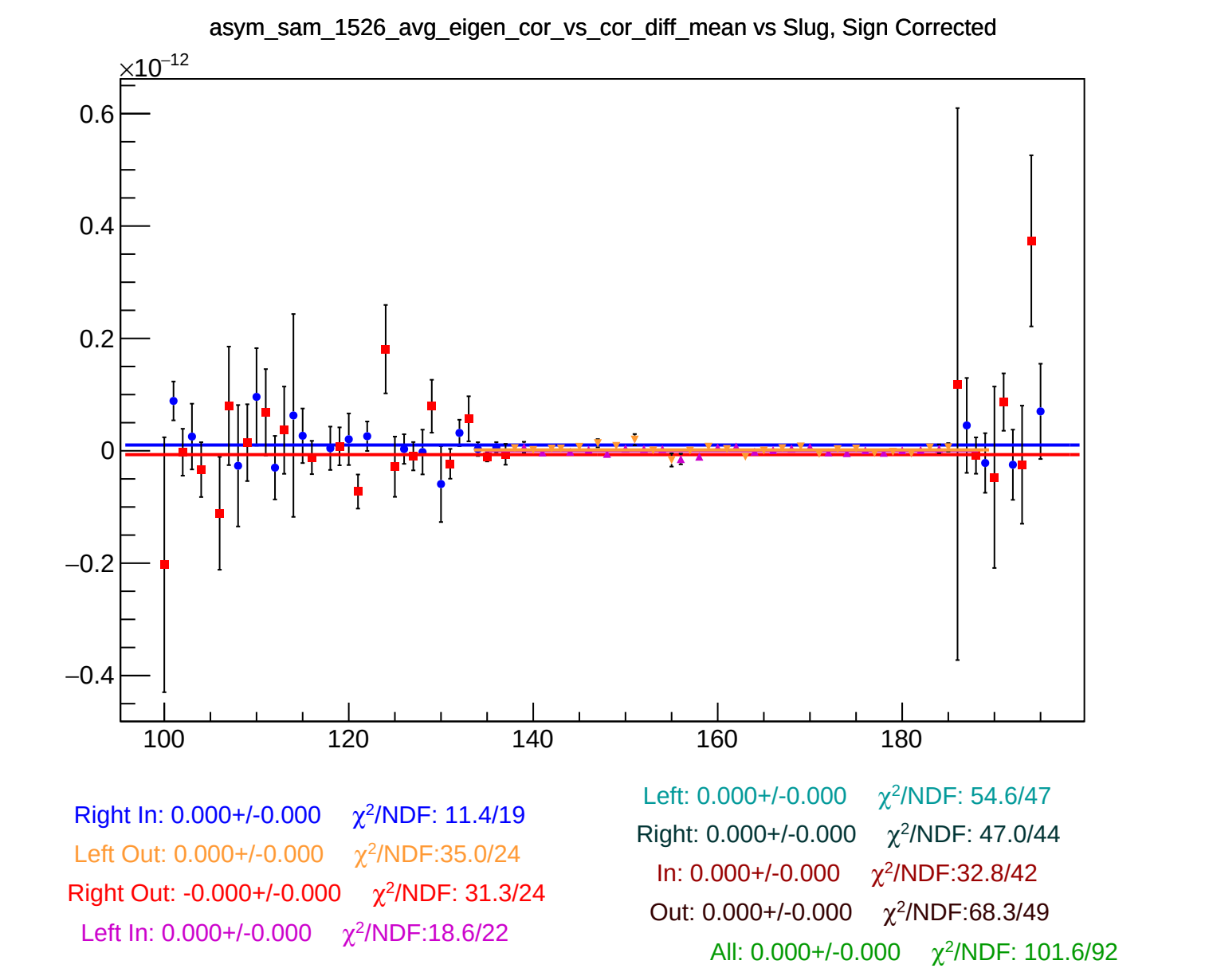
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.811+/-0.006 χ^2/NDF: 5972699.4/44

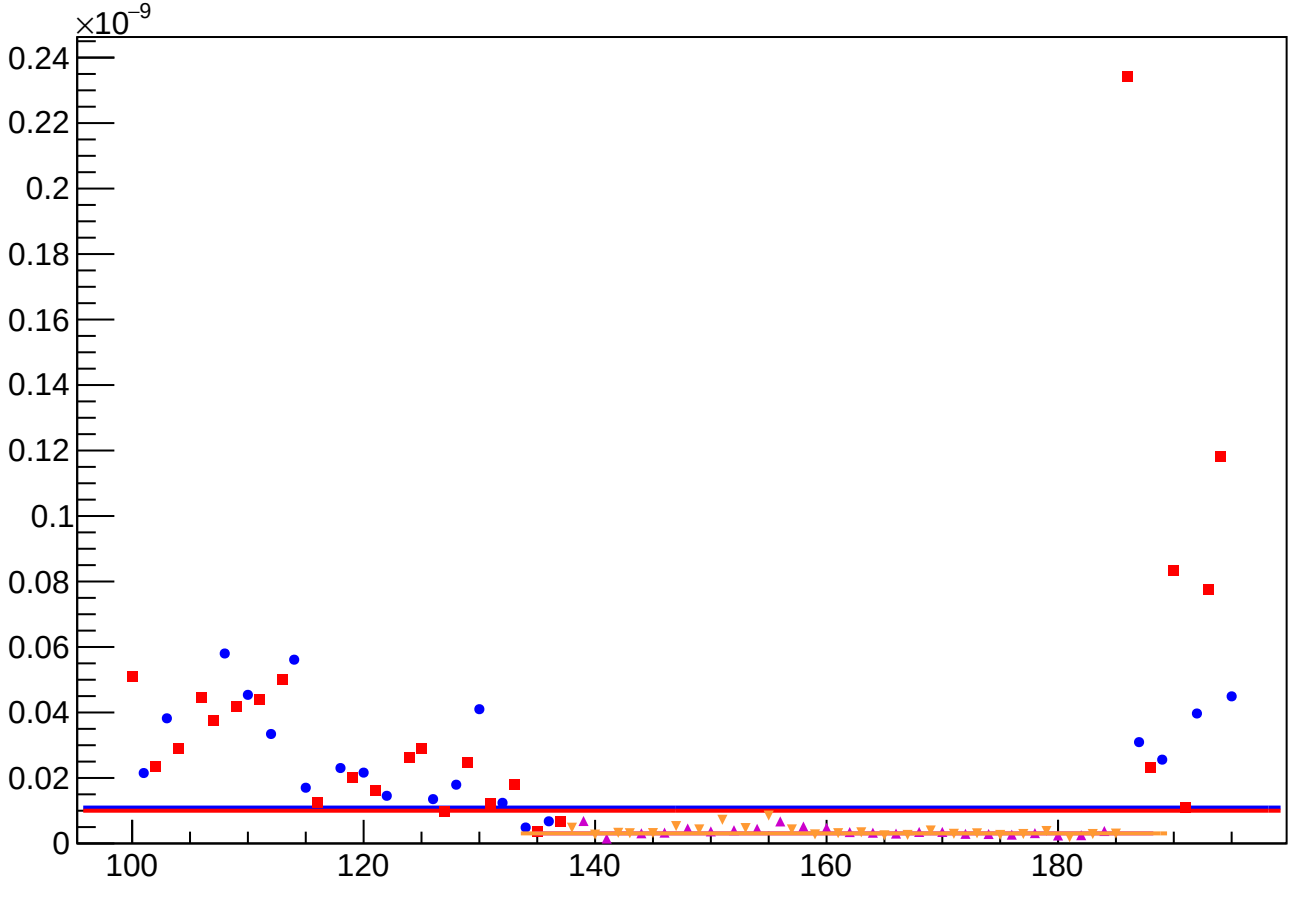
In: 29.830+/-0.004 χ^2/NDF:4792108.5/42

Out: 30.231+/-0.004 χ^2/NDF:6108441.2/49

All: 30.035+/-0.003 χ^2/NDF: 10904990.6/92


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 11.4/19
Left Out: 0.000+/-0.000 χ²/NDF:35.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.3/24
Left In: 0.000+/-0.000 χ²/NDF:18.6/22
Left: 0.000+/-0.000 χ²/NDF: 54.6/47
Right: 0.000+/-0.000 χ²/NDF: 47.0/44
In: 0.000+/-0.000 χ²/NDF:32.8/42
Out: 0.000+/-0.000 χ²/NDF:68.3/49
All: 0.000+/-0.000 χ²/NDF: 101.6/92

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4549198.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7561185.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

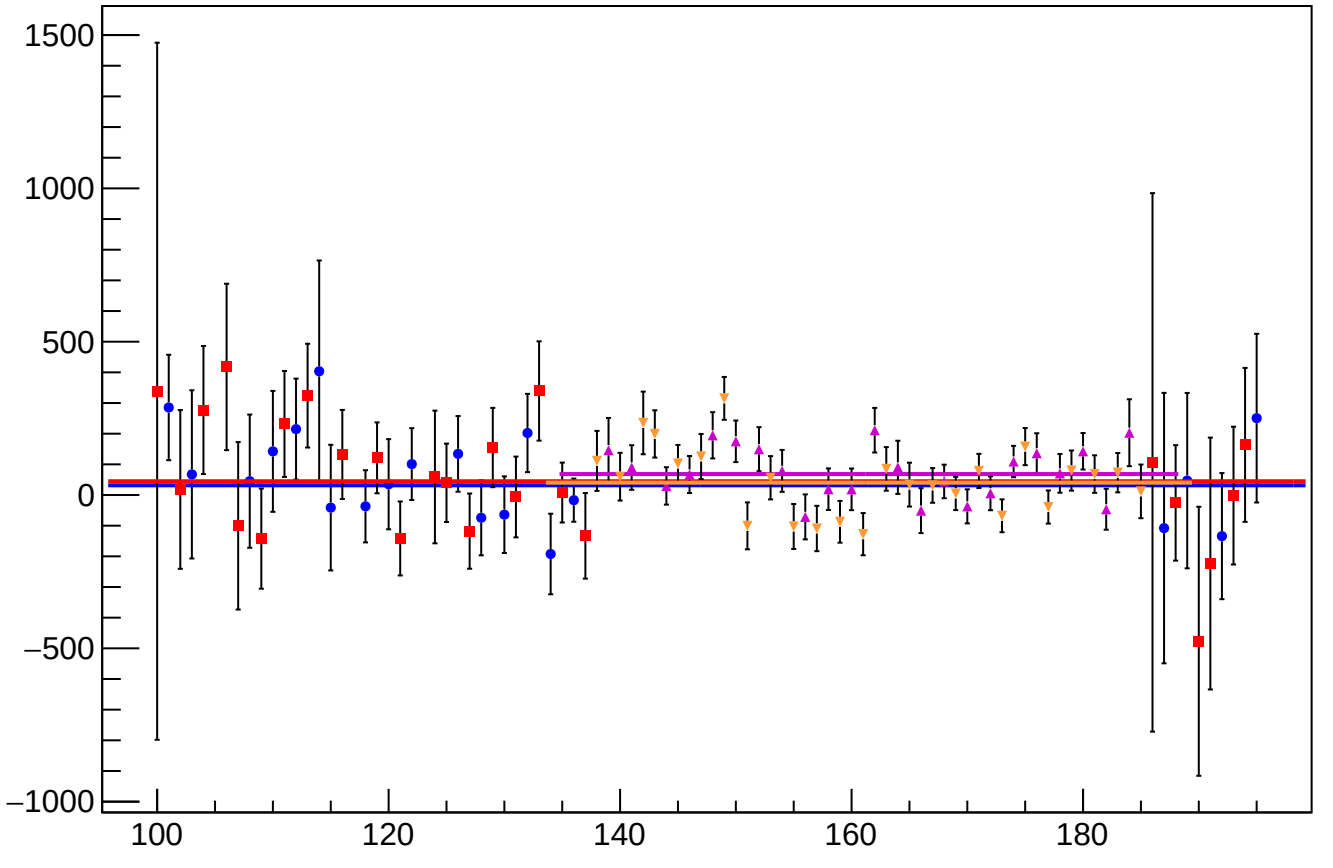
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 12137500.6/44

In: 0.000+/-0.000 χ^2/NDF:10174028.0/42

Out: 0.000+/-0.000 χ^2/NDF:12392754.7/49

All: 0.000+/-0.000 χ^2/NDF: 22567849.8/92



Right In: 31.645+/-32.873 χ^2/NDF: 14.2/19

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 44.940+/-33.340 χ^2/NDF: 21.8/24

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

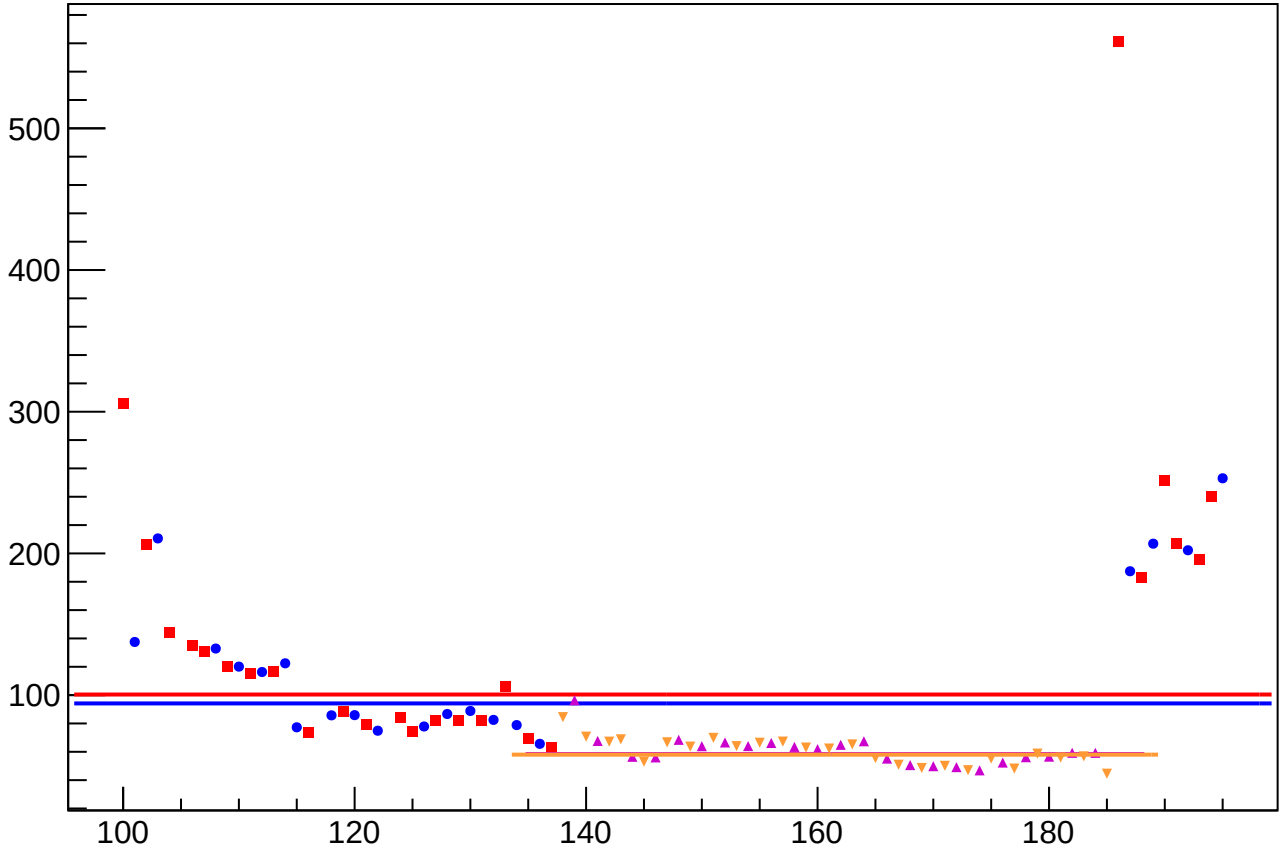
Right: 38.199+/-23.408 χ^2/NDF: 36.1/44

In: 62.801+/-12.776 χ^2/NDF:47.0/42

Out: 40.982+/-12.435 χ^2/NDF:81.3/49

All: 51.596+/-8.911 χ^2/NDF: 129.8/92

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 94.144+/-0.023 χ^2/NDF: 2756410.9/19

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 100.421+/-0.024 χ^2/NDF: 3611082.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

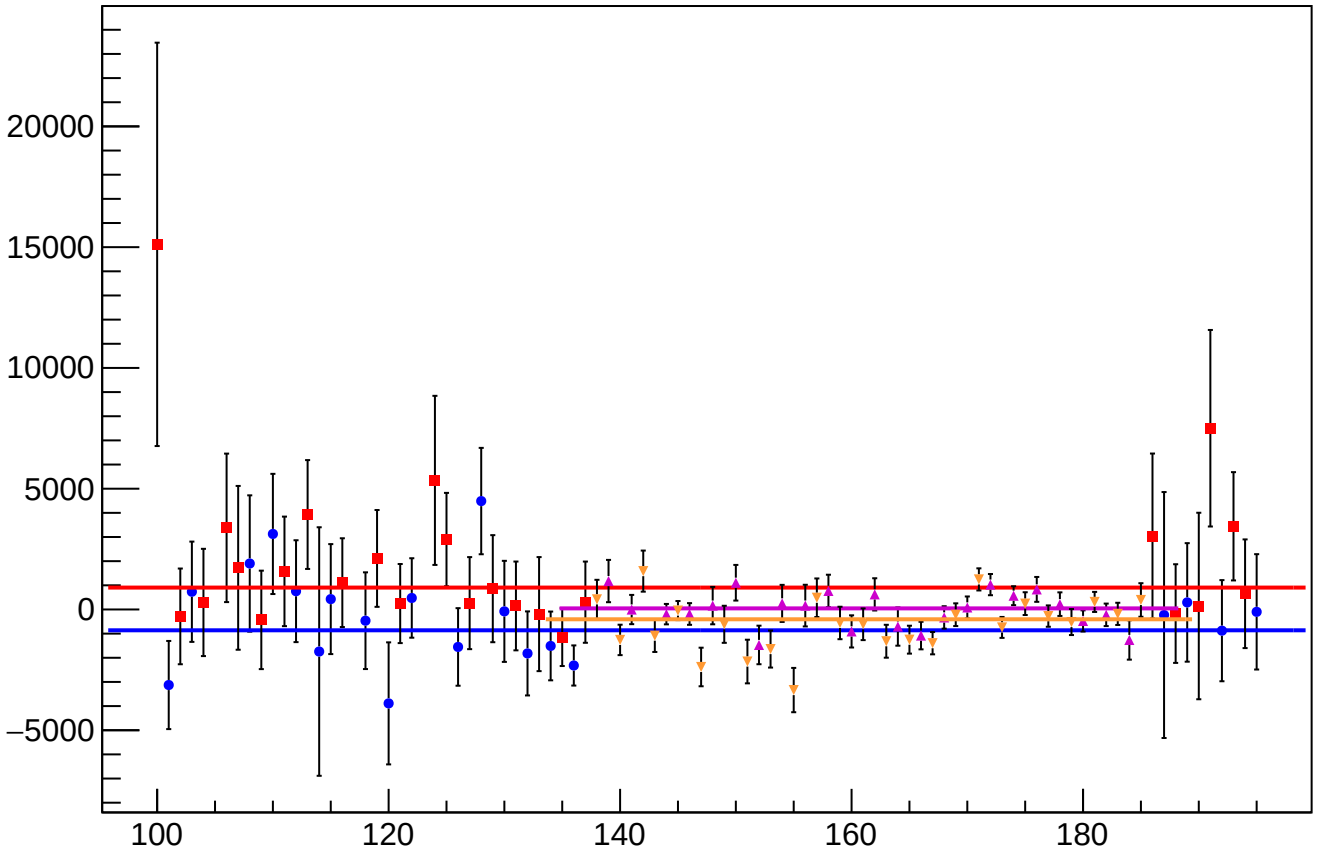
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 97.238+/-0.017 χ^2/NDF: 6403443.6/44

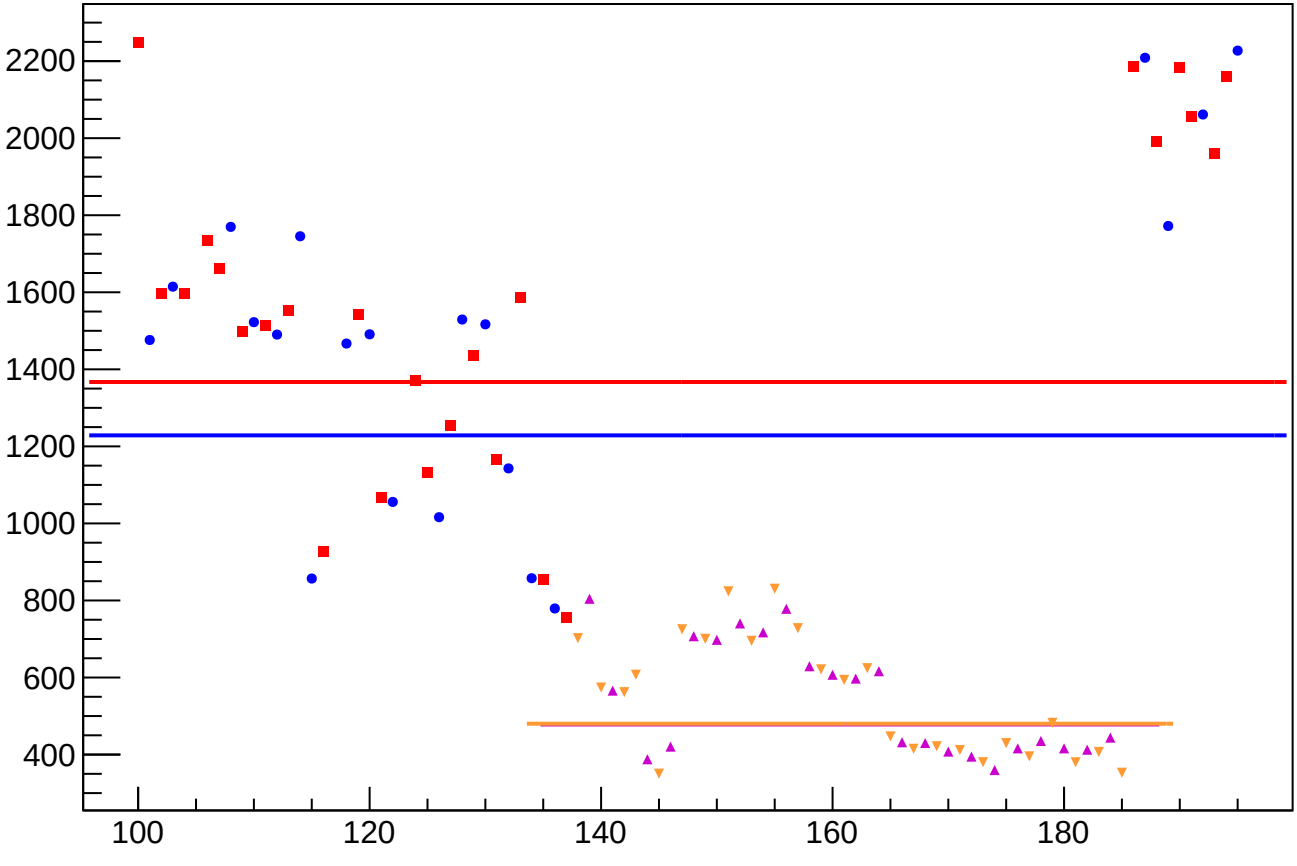
In: 63.796+/-0.009 χ^2/NDF:5499386.2/42

Out: 63.897+/-0.009 χ^2/NDF:7206754.1/49

All: 63.848+/-0.006 χ^2/NDF: 12706204.4/92


asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -862.463+/-416.936 χ²/NDF: 18.9/19
Left Out: -406.322+/-113.468 χ²/NDF:63.2/24
Right Out: 906.347+/-429.648 χ²/NDF: 17.7/24
Left In: 44.831+/-115.765 χ²/NDF:31.1/22
Left: -185.266+/-81.034 χ²/NDF: 102.0/47
Right: -4.611+/-299.211 χ²/NDF: 45.4/44
In: -20.108+/-111.545 χ²/NDF:54.3/42
Out: -320.738+/-109.706 χ²/NDF:89.7/49
All: -172.922+/-78.216 χ²/NDF: 147.7/92

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1228.568+/-0.295 χ^2/NDF: 2057370.0/19

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1367.101+/-0.304 χ^2/NDF: 1887193.9/24

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

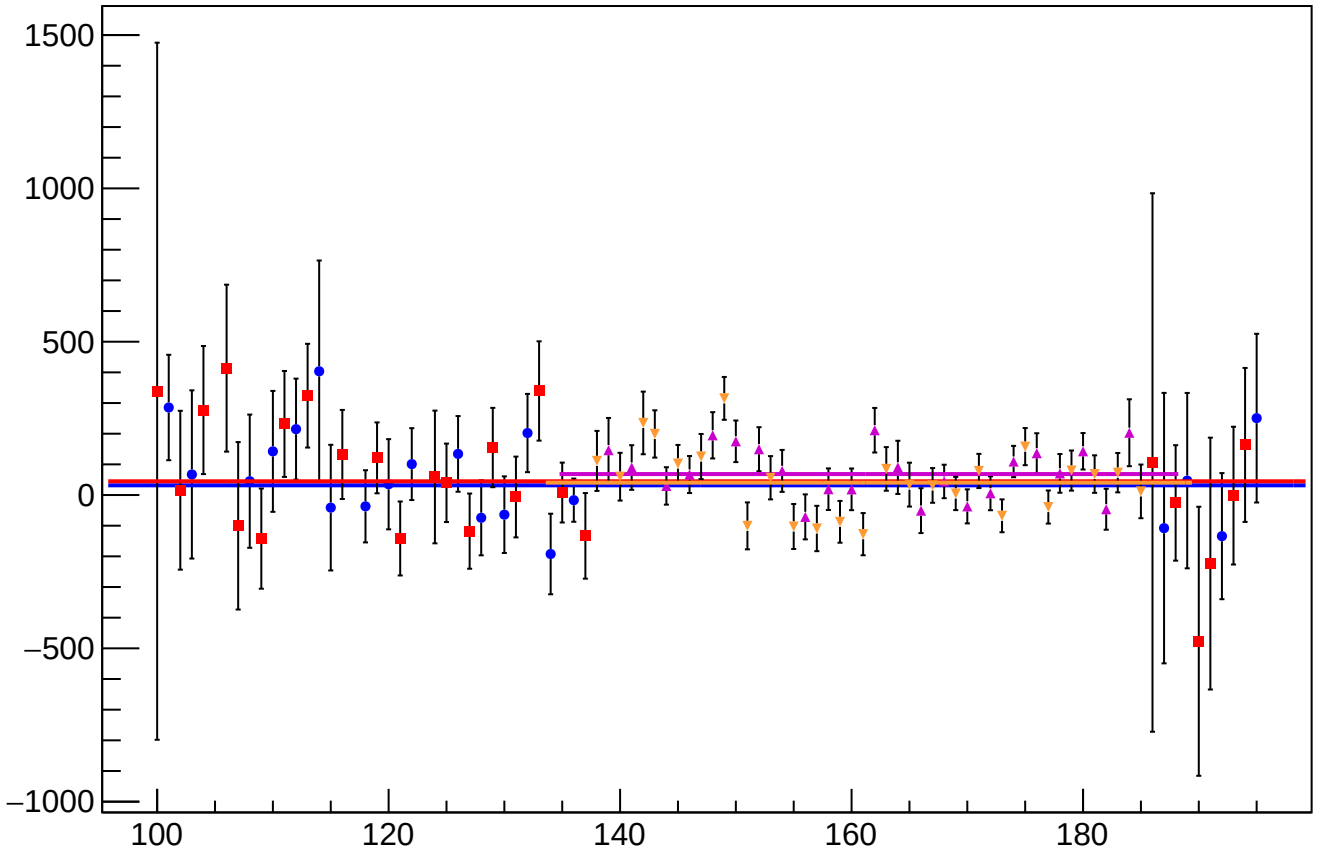
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1295.755+/-0.212 χ^2/NDF: 4051648.8/44

In: 531.800+/-0.079 χ^2/NDF:10289074.3/42

Out: 537.989+/-0.078 χ^2/NDF:12436724.6/49

All: 534.946+/-0.055 χ^2/NDF: 22728929.0/92



Right In: 31.637+/-32.873 χ^2/NDF: 14.2/19

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 44.801+/-33.342 χ^2/NDF: 21.8/24

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

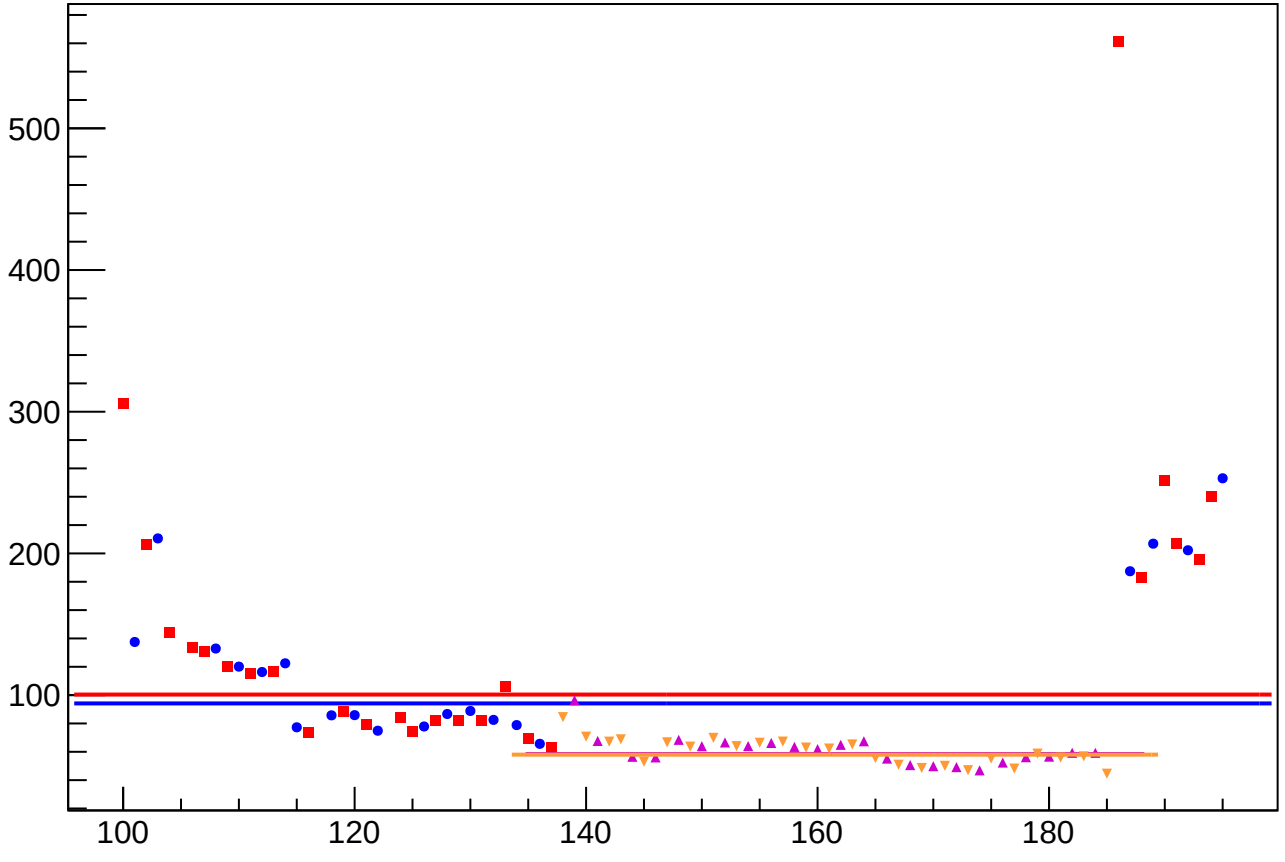
Right: 38.126+/-23.409 χ^2/NDF: 36.1/44

In: 62.799+/-12.776 χ^2/NDF:47.0/42

Out: 40.964+/-12.435 χ^2/NDF:81.2/49

All: 51.586+/-8.911 χ^2/NDF: 129.7/92

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 94.144+/-0.023 χ^2/NDF: 2756413.8/19

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 100.388+/-0.024 χ^2/NDF: 3607621.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

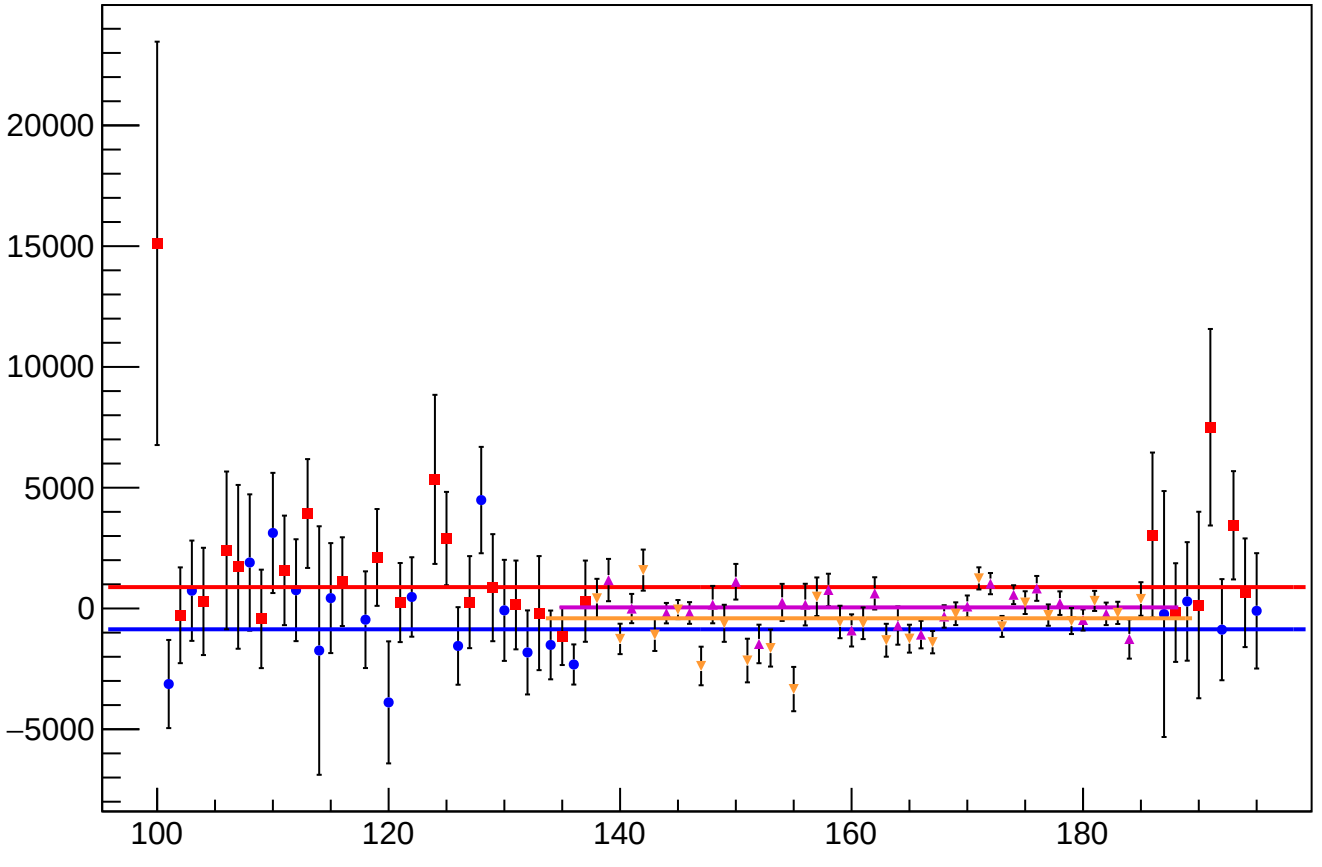
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 97.222+/-0.017 χ^2/NDF: 6399609.1/44

In: 63.796+/-0.009 χ^2/NDF:5499388.5/42

Out: 63.892+/-0.009 χ^2/NDF:7198717.3/49

All: 63.845+/-0.006 χ^2/NDF: 12698163.5/92



Right In: -862.433+/-416.937 χ^2/NDF: 18.9/19

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 884.292+/-430.141 χ^2/NDF: 17.3/24

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

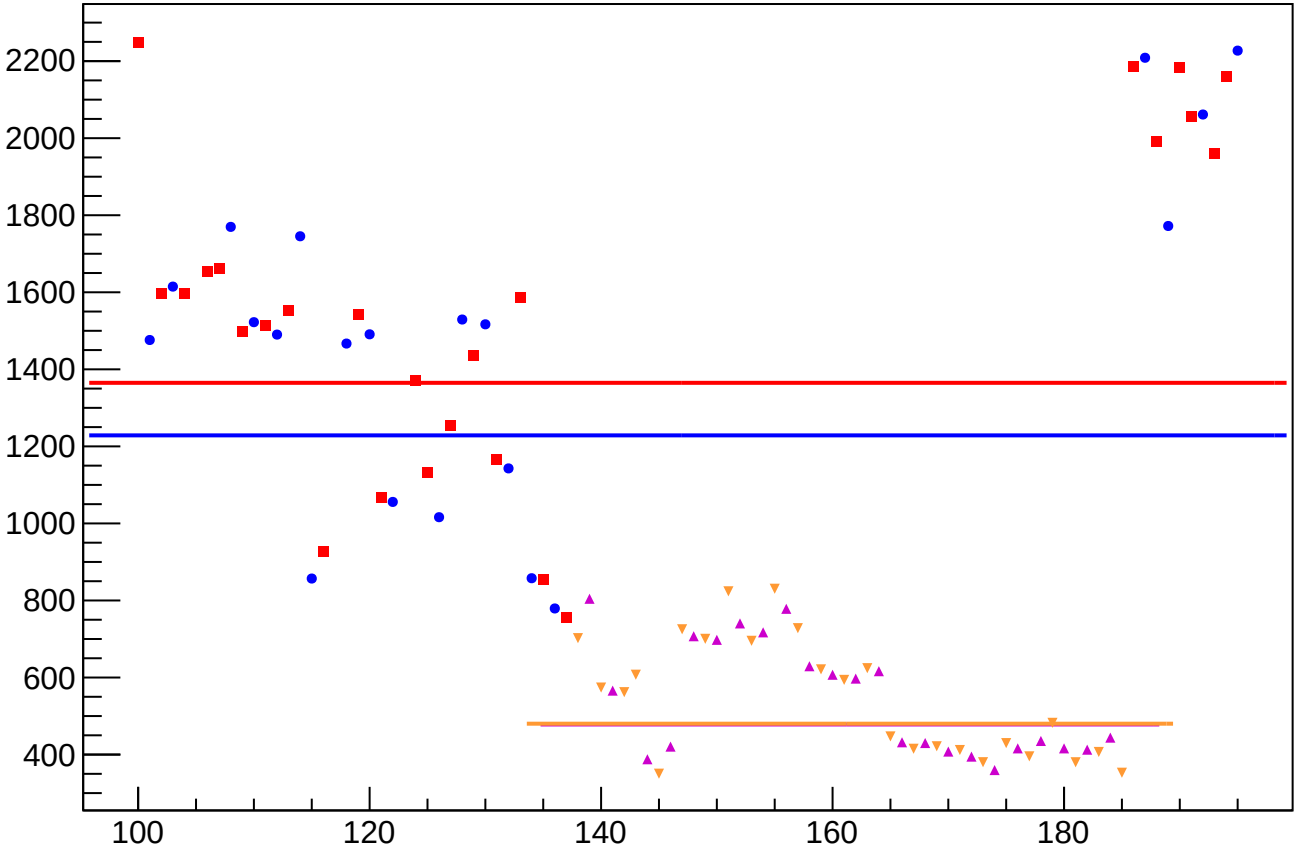
Right: -16.291+/-299.378 χ^2/NDF: 44.7/44

In: -20.107+/-111.545 χ^2/NDF:54.3/42

Out: -322.354+/-109.714 χ^2/NDF:88.9/49

All: -173.731+/-78.219 χ^2/NDF: 147.0/92

asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1228.570+/-0.295 χ^2/NDF: 2057403.7/19

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1364.970+/-0.304 χ^2/NDF: 1874563.2/24

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

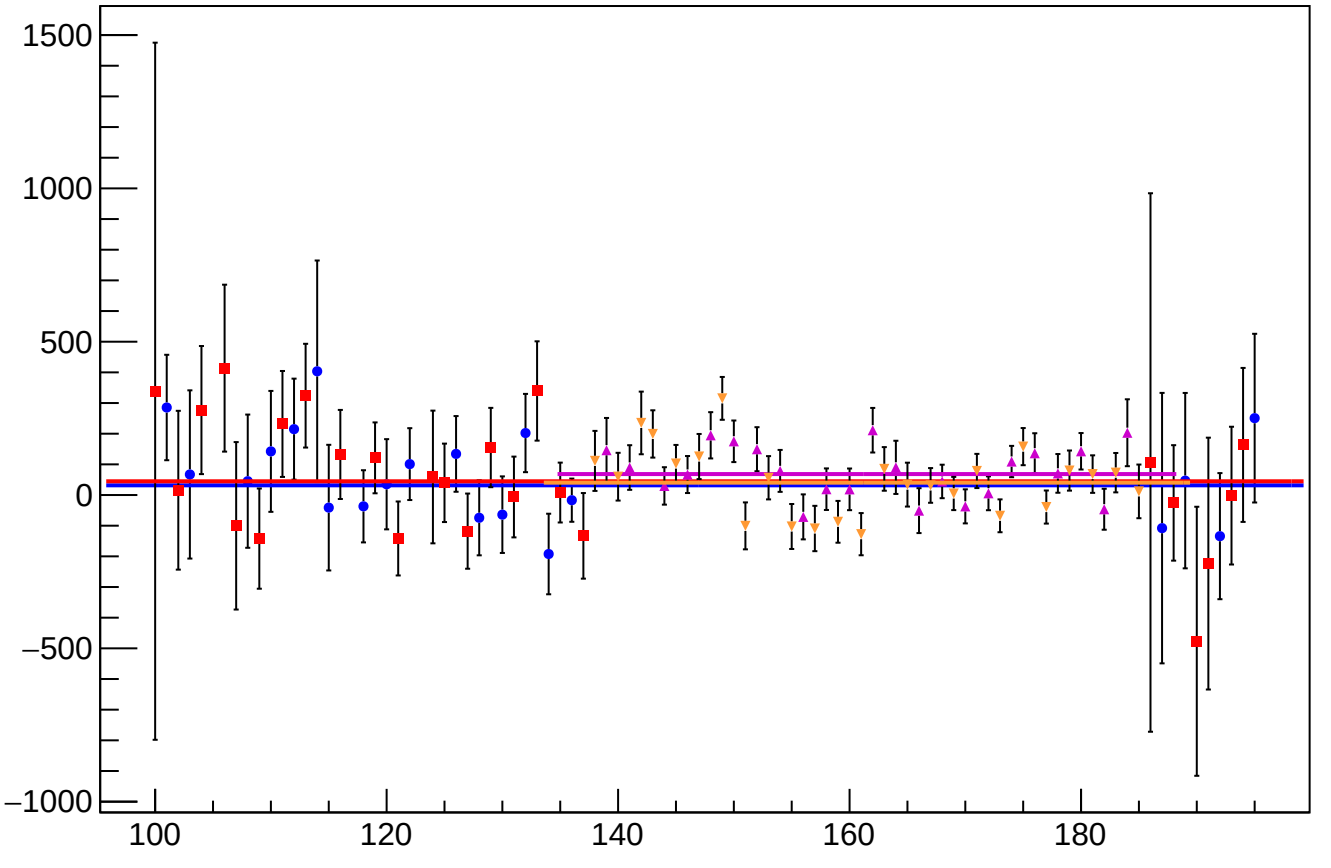
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1294.644+/-0.212 χ^2/NDF: 4035655.9/44

In: 531.800+/-0.079 χ^2/NDF:10289101.6/42

Out: 537.726+/-0.078 χ^2/NDF:12368839.8/49

All: 534.812+/-0.055 χ^2/NDF: 22660811.2/92



Right In: 31.637+/-32.873 χ^2/NDF: 14.2/19

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 44.801+/-33.342 χ^2/NDF: 21.8/24

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

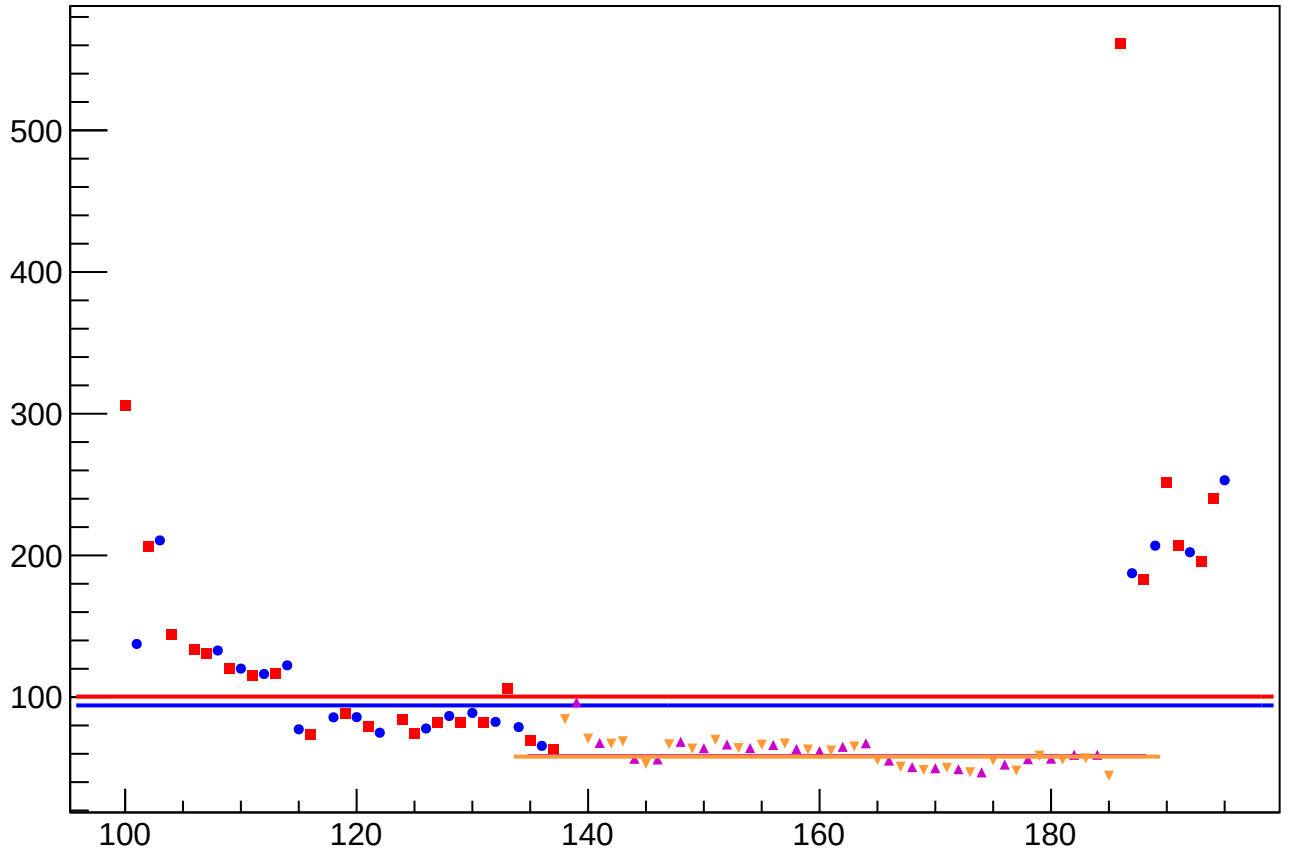
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 38.126+/-23.409 χ^2/NDF: 36.1/44

In: 62.799+/-12.776 χ^2/NDF:47.0/42

Out: 40.964+/-12.435 χ^2/NDF:81.2/49

All: 51.586+/-8.911 χ^2/NDF: 129.7/92



Right In: 94.144+/-0.023 χ^2/NDF: 2756413.8/19

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 100.388+/-0.024 χ^2/NDF: 3607621.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

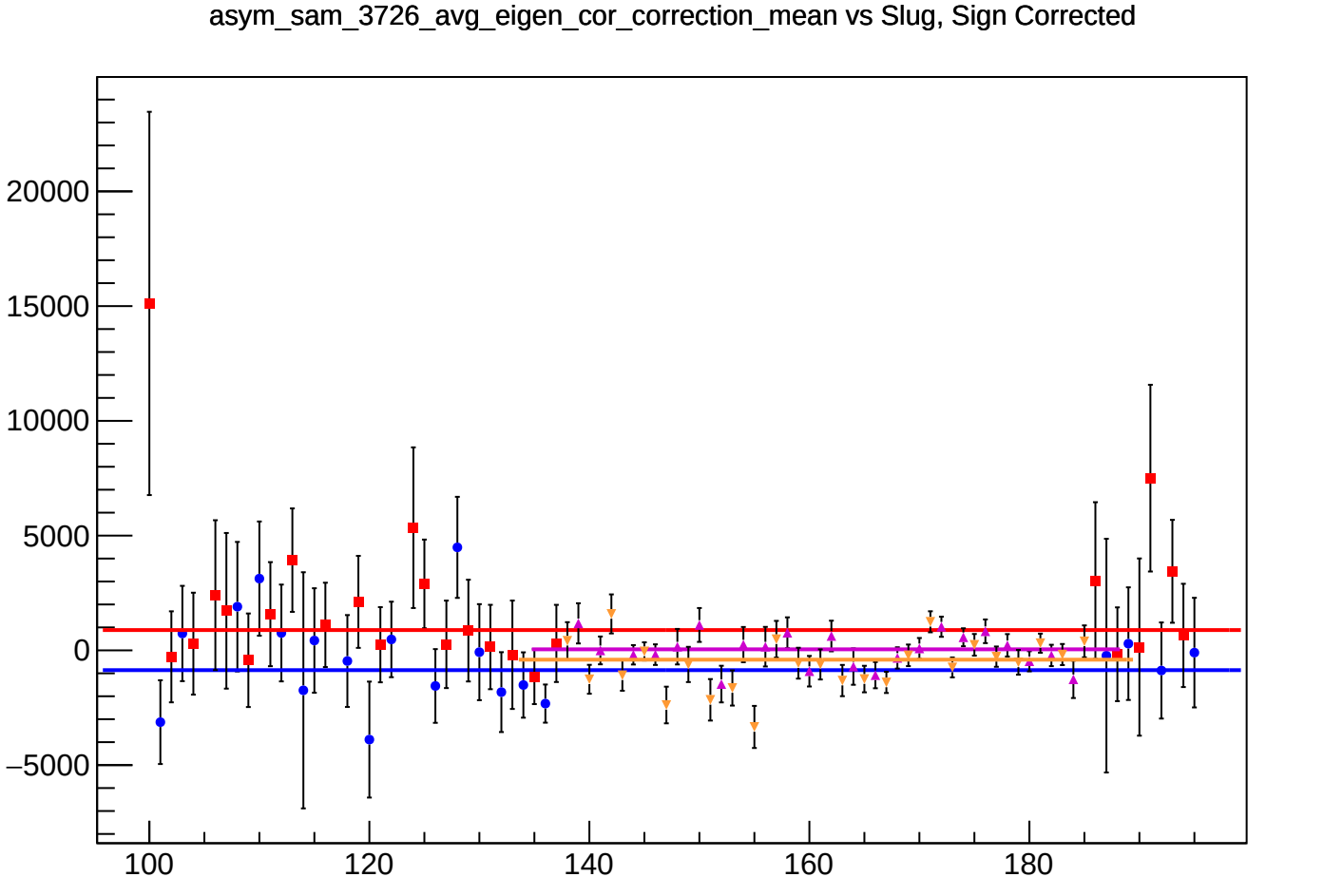
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

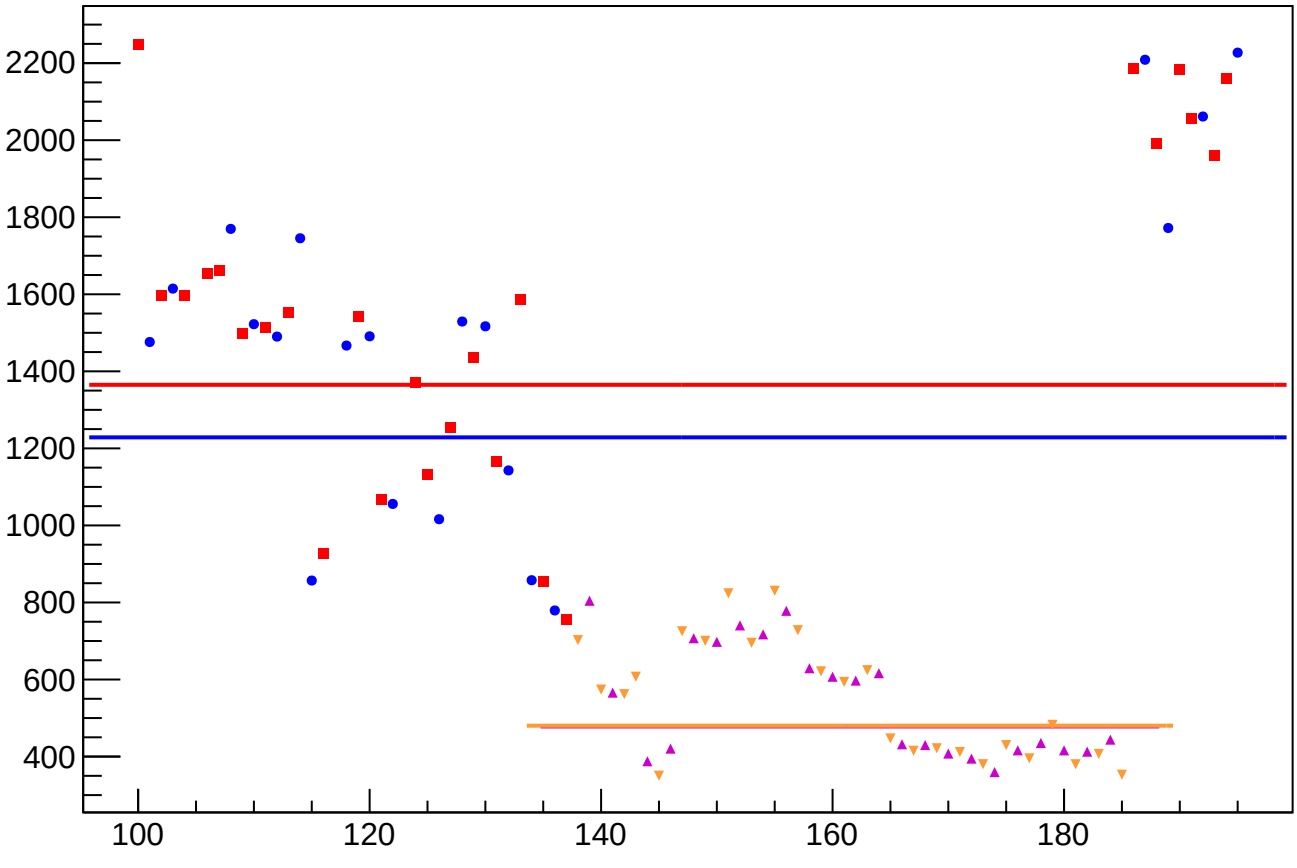
Right: 97.222+/-0.017 χ^2/NDF: 6399609.1/44

In: 63.796+/-0.009 χ^2/NDF:5499388.5/42

Out: 63.892+/-0.009 χ^2/NDF:7198717.3/49

All: 63.845+/-0.006 χ^2/NDF: 12698163.5/92


asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -862.433+/-416.937 χ²/NDF: 18.9/19
Left Out: -406.320+/-113.468 χ²/NDF:63.2/24
Right Out: 884.292+/-430.141 χ²/NDF: 17.3/24
Left In: 44.830+/-115.765 χ²/NDF:31.1/22
Left: -185.266+/-81.034 χ²/NDF: 102.0/47
Right: -16.291+/-299.378 χ²/NDF: 44.7/44
In: -20.107+/-111.545 χ²/NDF:54.3/42
Out: -322.354+/-109.714 χ²/NDF:88.9/49
All: -173.731+/-78.219 χ²/NDF: 147.0/92



Right In: 1228.570+/-0.295 χ^2/NDF: 2057403.7/19

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1364.970+/-0.304 χ^2/NDF: 1874563.2/24

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

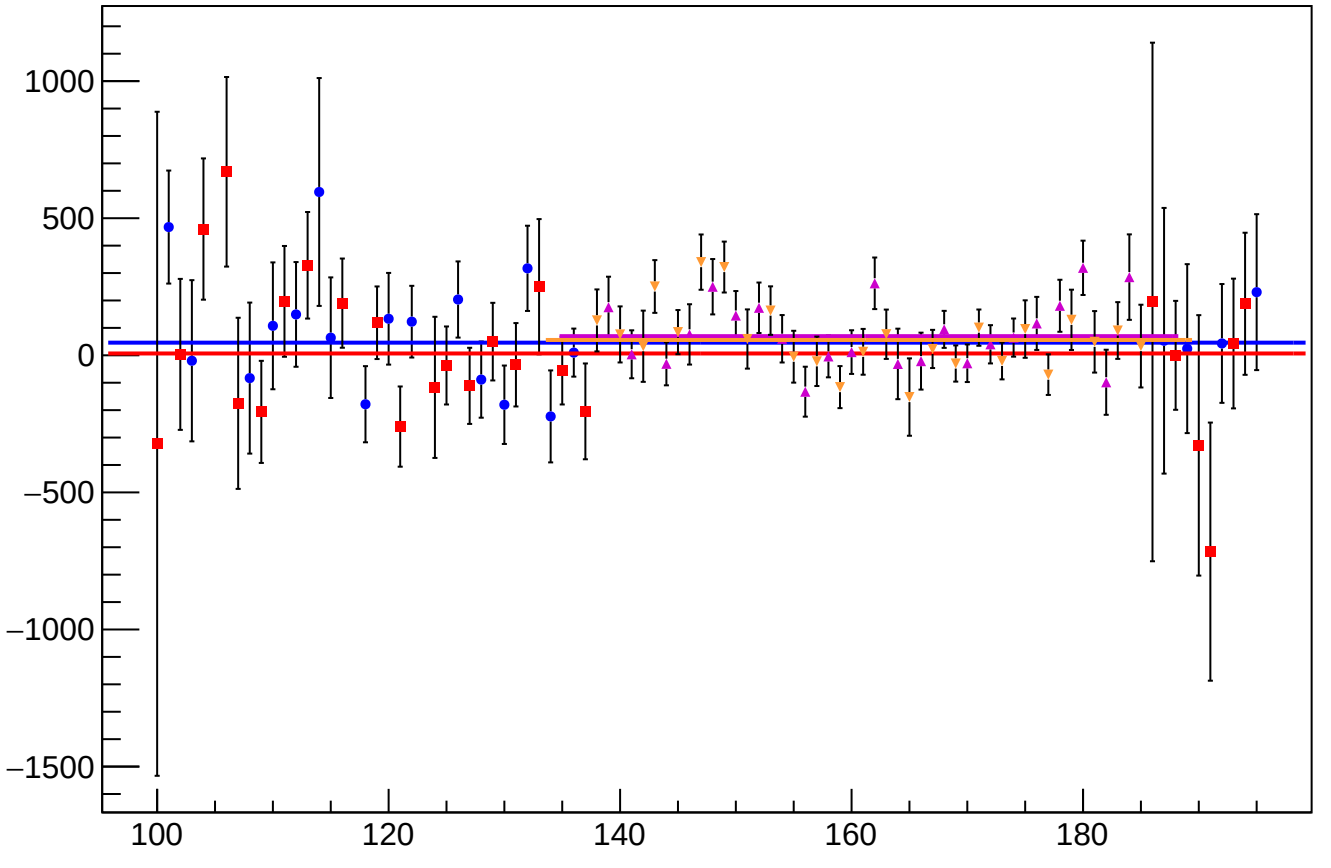
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1294.644+/-0.212 χ^2/NDF: 4035655.9/44

In: 531.800+/-0.079 χ^2/NDF:10289101.6/42

Out: 537.726+/-0.078 χ^2/NDF:12368839.8/49

All: 534.812+/-0.055 χ^2/NDF: 22660811.2/92



Right In: 46.135+/-38.487 χ^2/NDF: 20.7/19

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 6.695+/-38.886 χ^2/NDF: 24.8/24

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

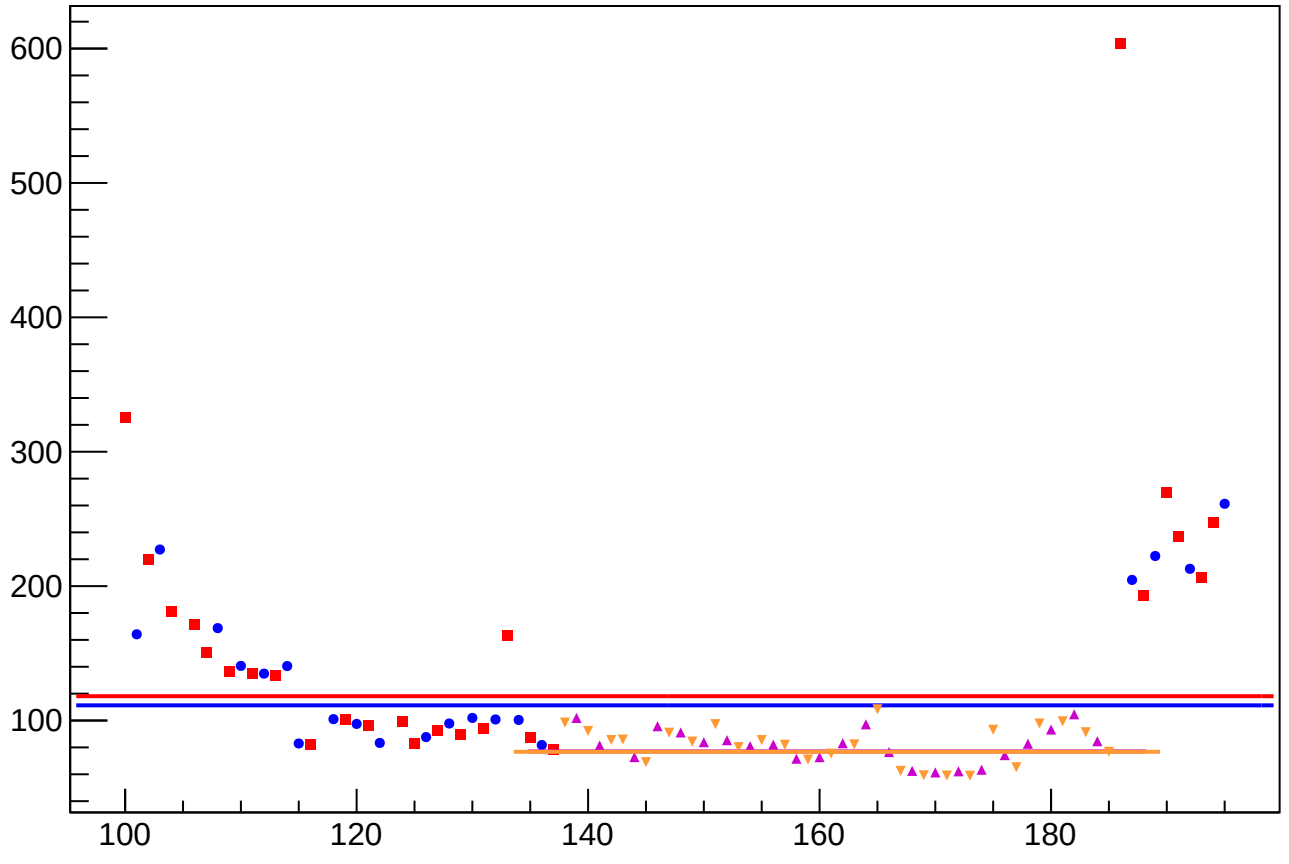
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 26.618+/-27.355 χ^2/NDF: 46.0/44

In: 65.395+/-16.671 χ^2/NDF:55.6/42

Out: 47.298+/-16.297 χ^2/NDF:64.4/49

All: 56.141+/-11.654 χ^2/NDF: 120.6/92



Right In: 111.294+/-0.027 χ^2/NDF: 2412381.1/19

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 118.101+/-0.027 χ^2/NDF: 3285381.5/24

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

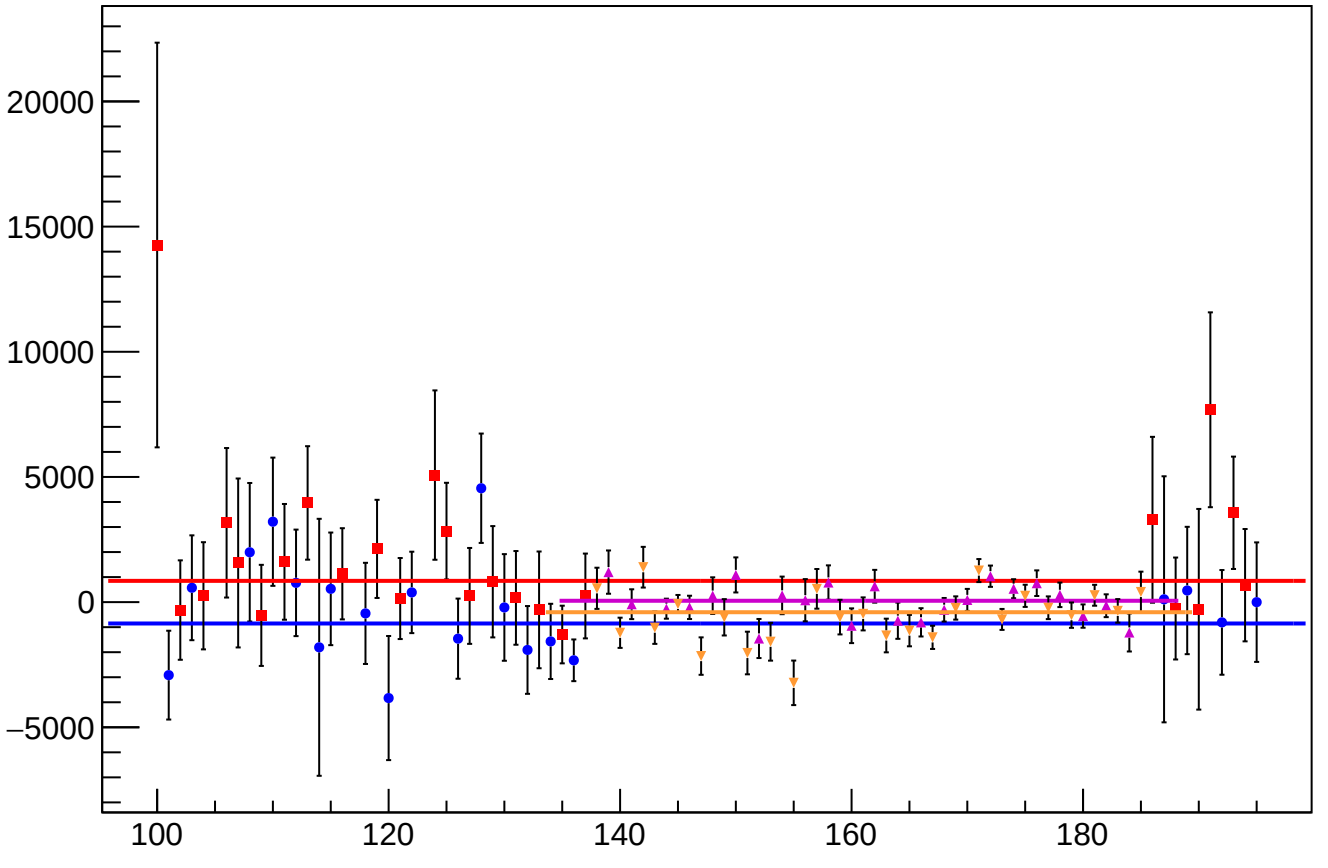
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 114.662+/-0.019 χ^2/NDF: 5728714.2/44

In: 83.449+/-0.012 χ^2/NDF:4559922.2/42

Out: 84.008+/-0.012 χ^2/NDF:6384908.8/49

All: 83.735+/-0.008 χ^2/NDF: 10945977.9/92



Right In: -853.319+/-418.775 χ^2/NDF: 18.9/19

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 849.235+/-425.687 χ^2/NDF: 19.1/24

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

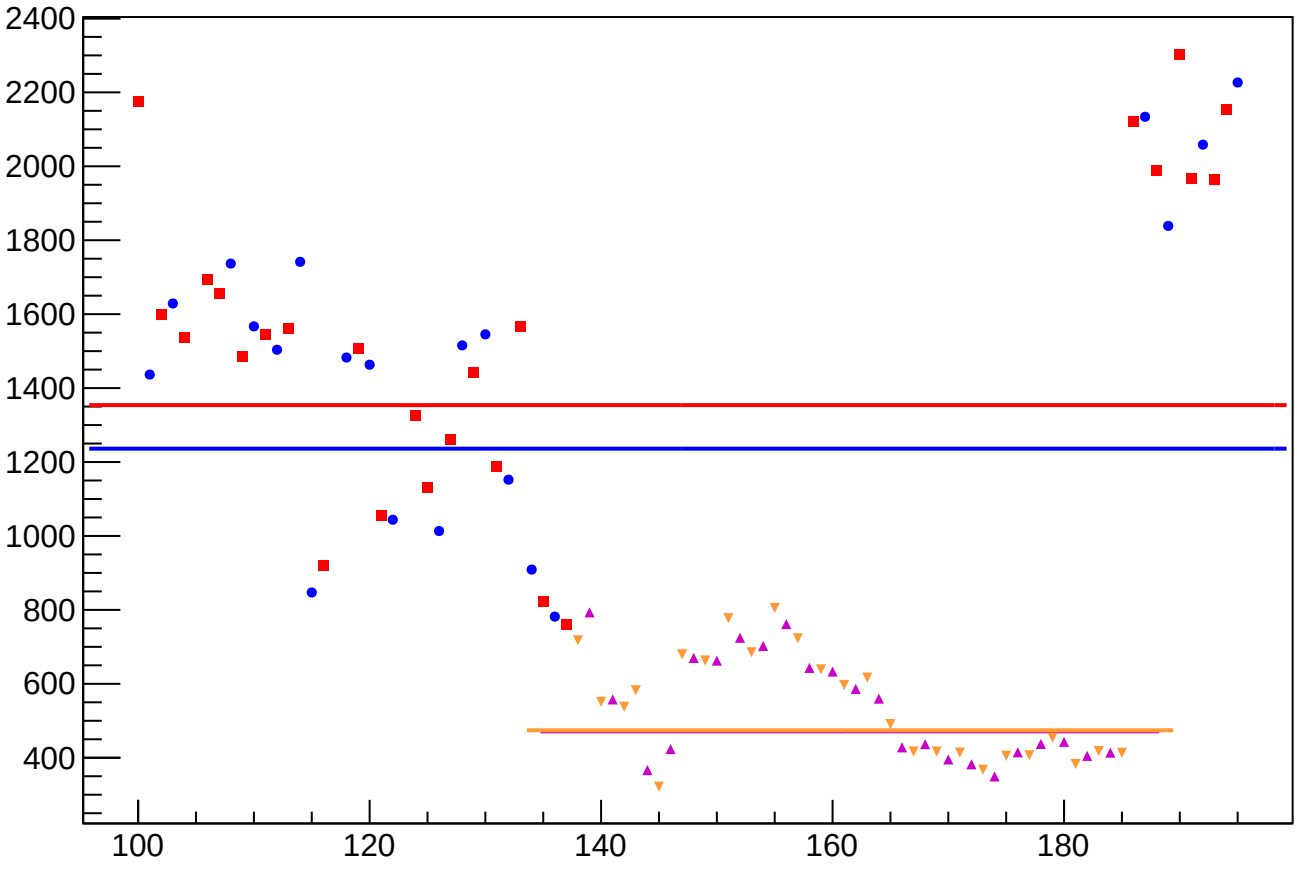
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -15.976+/-298.532 χ^2/NDF: 46.2/44

In: -8.648+/-110.198 χ^2/NDF:54.0/42

Out: -322.586+/-108.109 χ^2/NDF:87.9/49

All: -168.621+/-77.172 χ^2/NDF: 146.1/92



Right In: 1236.151+/-0.296 χ^2/NDF: 2021295.8/19

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1353.941+/-0.301 χ^2/NDF: 1943676.5/24

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

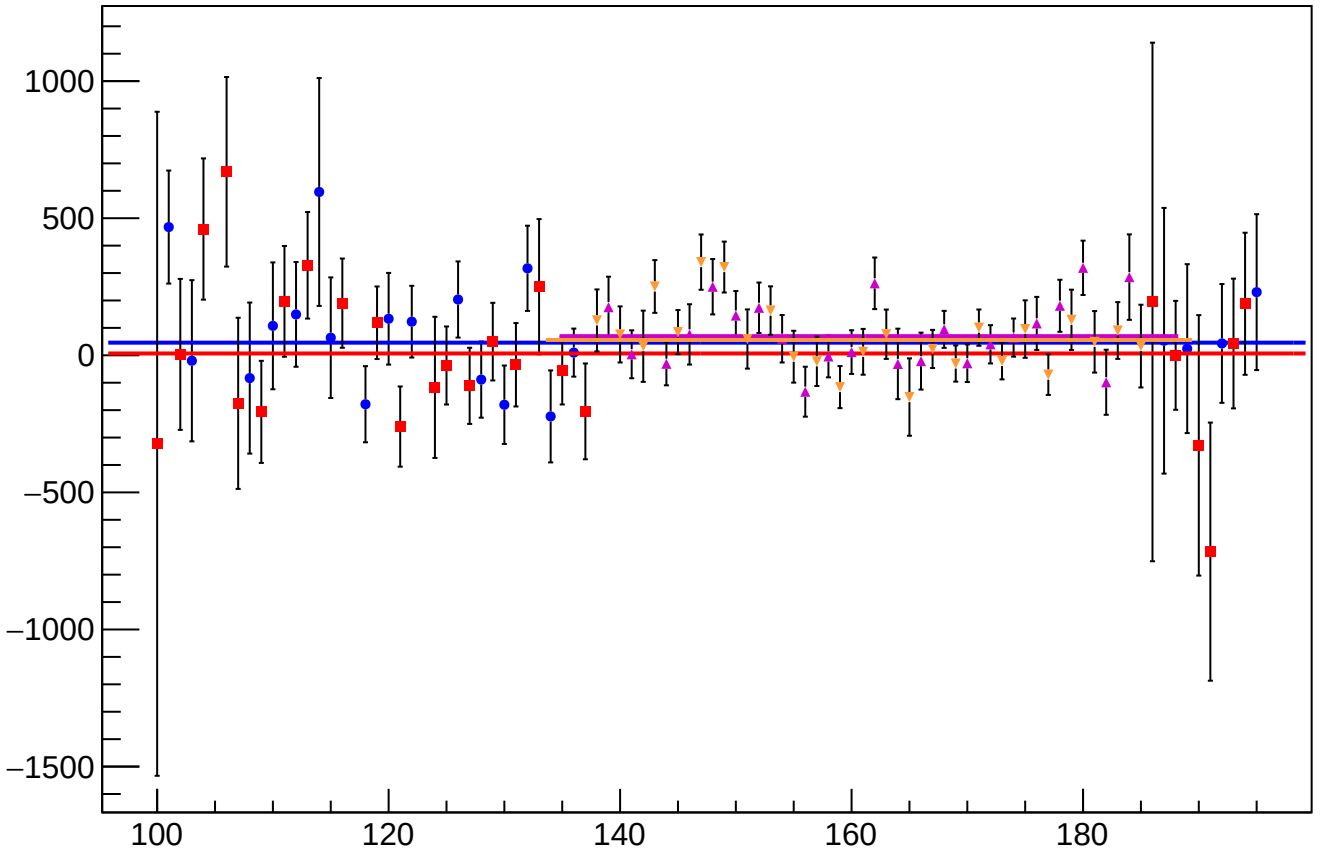
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1294.082+/-0.211 χ^2/NDF: 4042792.4/44

In: 524.407+/-0.078 χ^2/NDF:10437618.9/42

Out: 531.029+/-0.076 χ^2/NDF:12472027.8/49

All: 527.781+/-0.055 χ^2/NDF: 22913326.8/92



Right In: 46.135+/-38.487 χ^2/NDF: 20.7/19

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 6.692+/-38.886 χ^2/NDF: 24.8/24

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

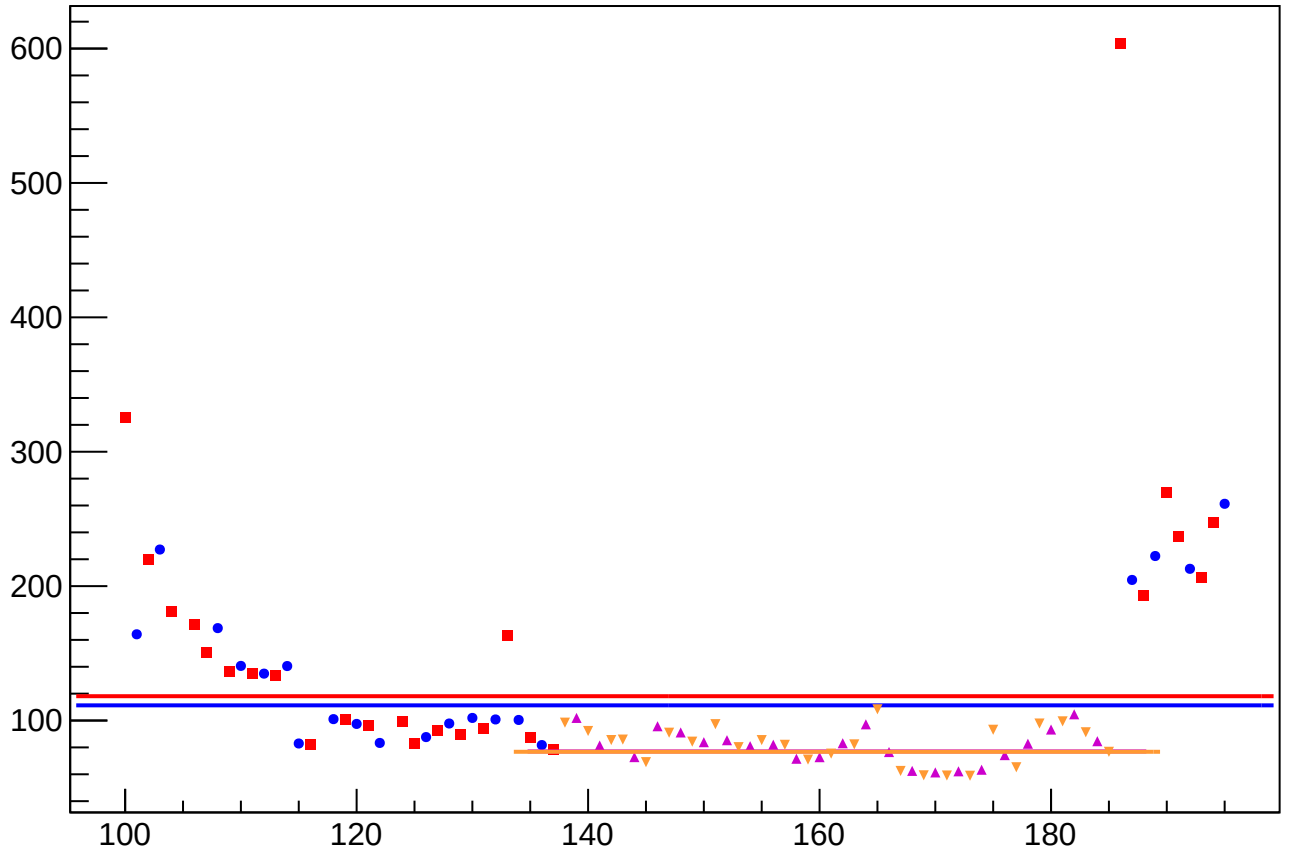
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 26.617+/-27.354 χ^2/NDF: 46.0/44

In: 65.395+/-16.671 χ^2/NDF:55.6/42

Out: 47.297+/-16.297 χ^2/NDF:64.4/49

All: 56.140+/-11.654 χ^2/NDF: 120.6/92



Right In: 111.294+/-0.027 χ^2/NDF: 2412382.8/19

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 118.101+/-0.027 χ^2/NDF: 3285387.6/24

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

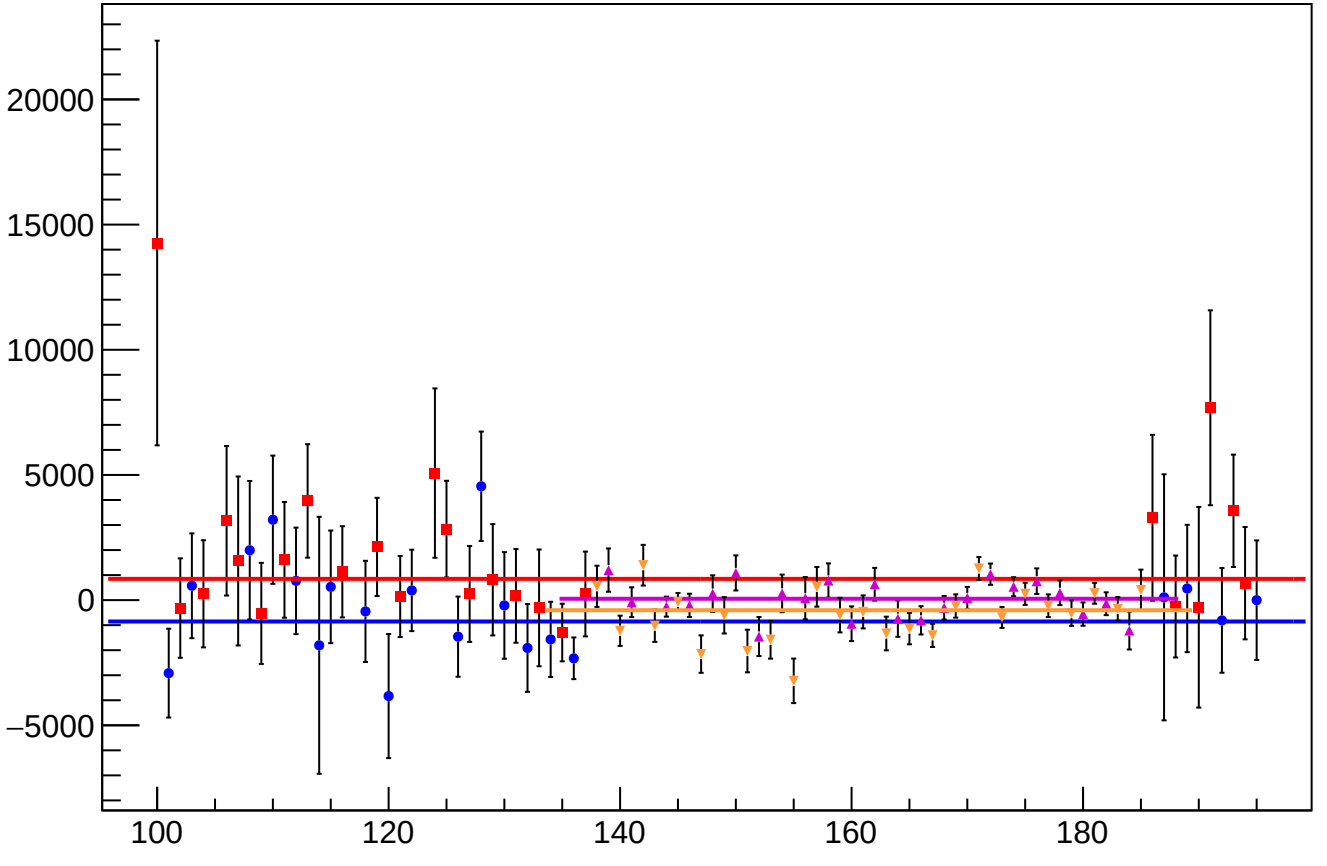
Right: 114.662+/-0.019 χ^2/NDF: 5728723.5/44

In: 83.450+/-0.012 χ^2/NDF:4559877.6/42

Out: 84.008+/-0.012 χ^2/NDF:6384881.7/49

All: 83.735+/-0.008 χ^2/NDF: 10945906.1/92

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -853.315+/-418.775 χ^2/NDF: 18.9/19

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 849.235+/-425.686 χ^2/NDF: 19.1/24

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

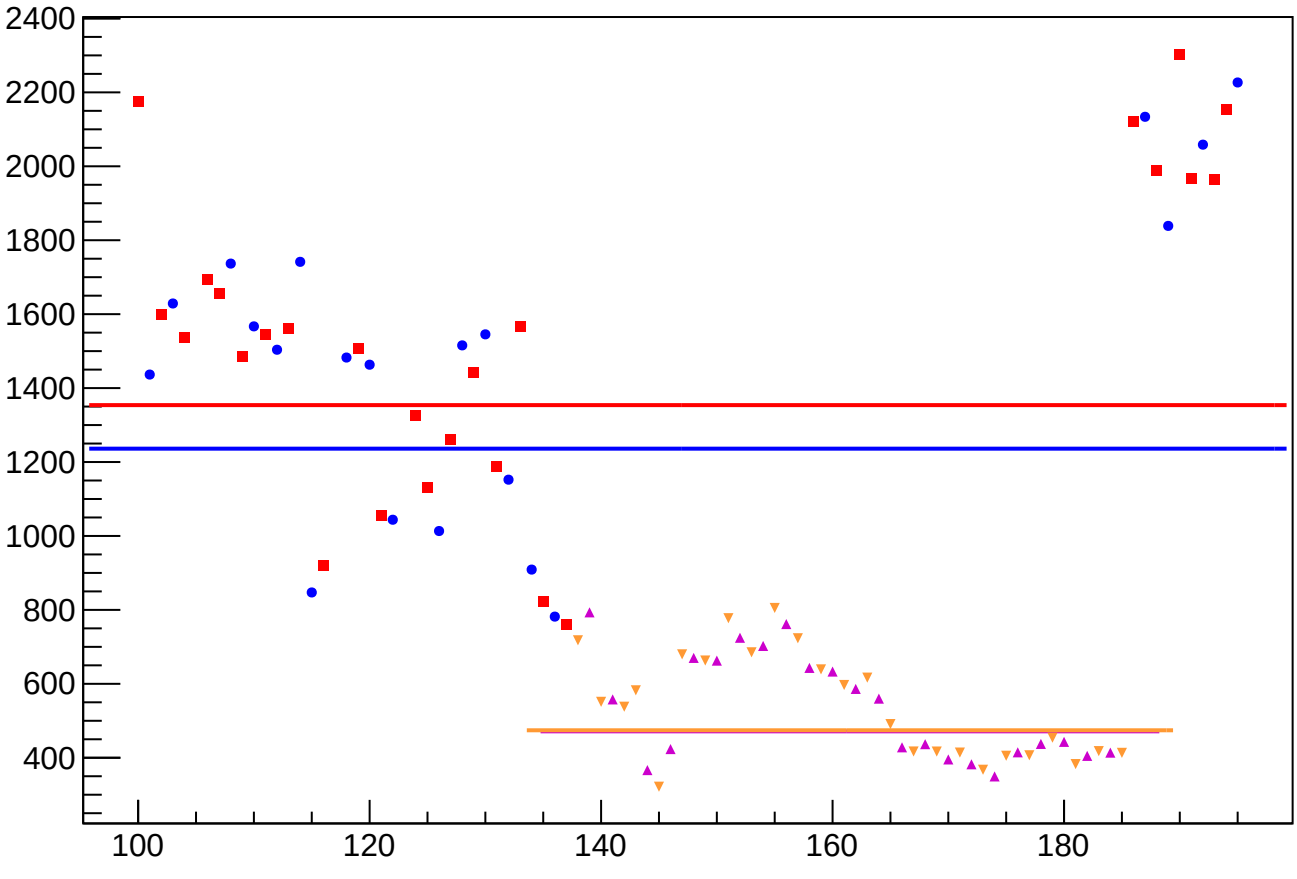
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

Right: -15.974+/-298.532 χ^2/NDF: 46.2/44

In: -8.648+/-110.198 χ^2/NDF:54.0/42

Out: -322.585+/-108.109 χ^2/NDF:87.9/49

All: -168.620+/-77.172 χ^2/NDF: 146.1/92



Right In: 1236.149+/-0.296 χ^2/NDF: 2021285.0/19

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1353.939+/-0.301 χ^2/NDF: 1943669.4/24

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

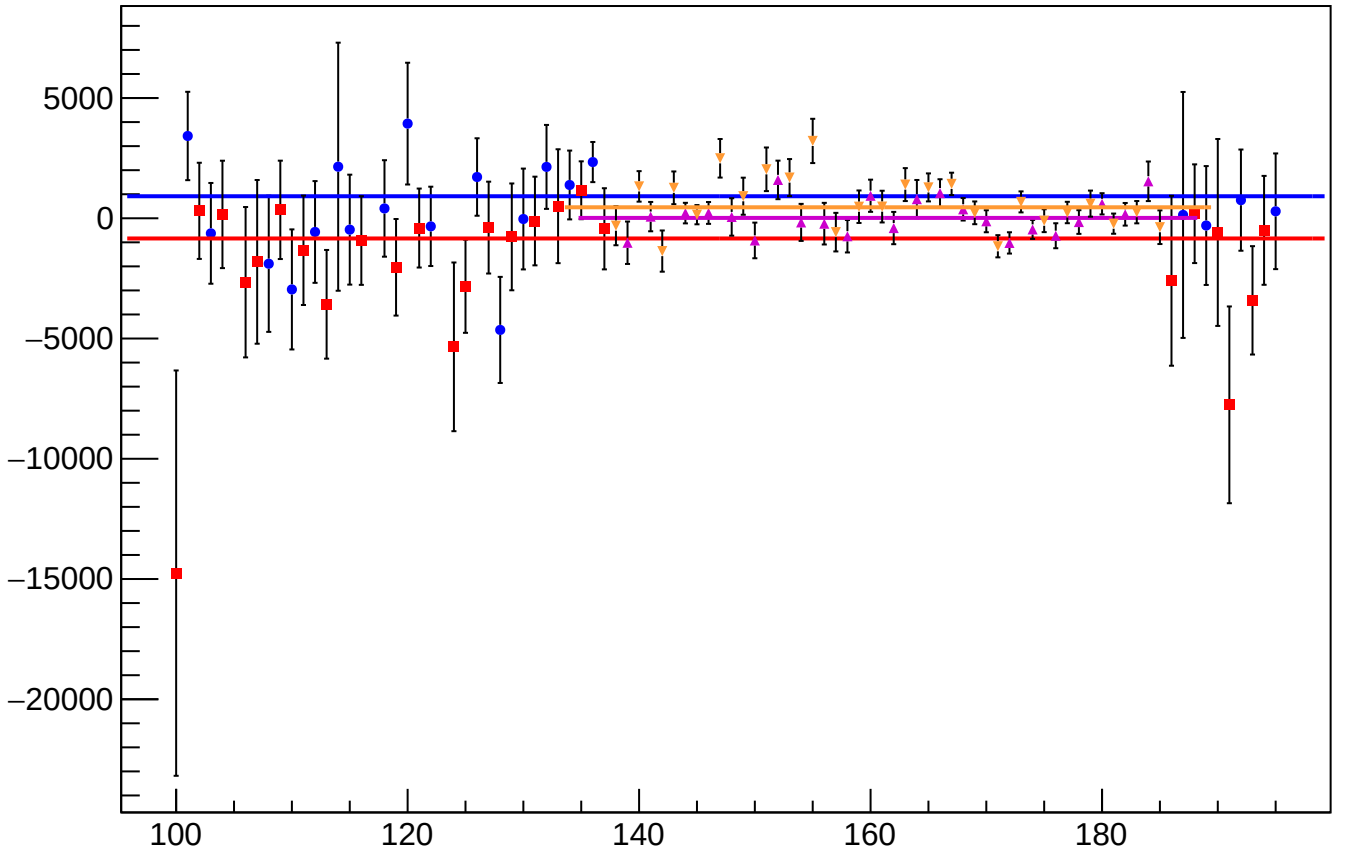
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1294.080+/-0.211 χ^2/NDF: 4042773.9/44

In: 524.406+/-0.078 χ^2/NDF:10437600.5/42

Out: 531.028+/-0.076 χ^2/NDF:12472019.9/49

All: 527.781+/-0.055 χ^2/NDF: 22913300.4/92



Right In: 916.142+/-418.681 χ^2/NDF: 19.4/19

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -839.571+/-431.567 χ^2/NDF: 16.7/24

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

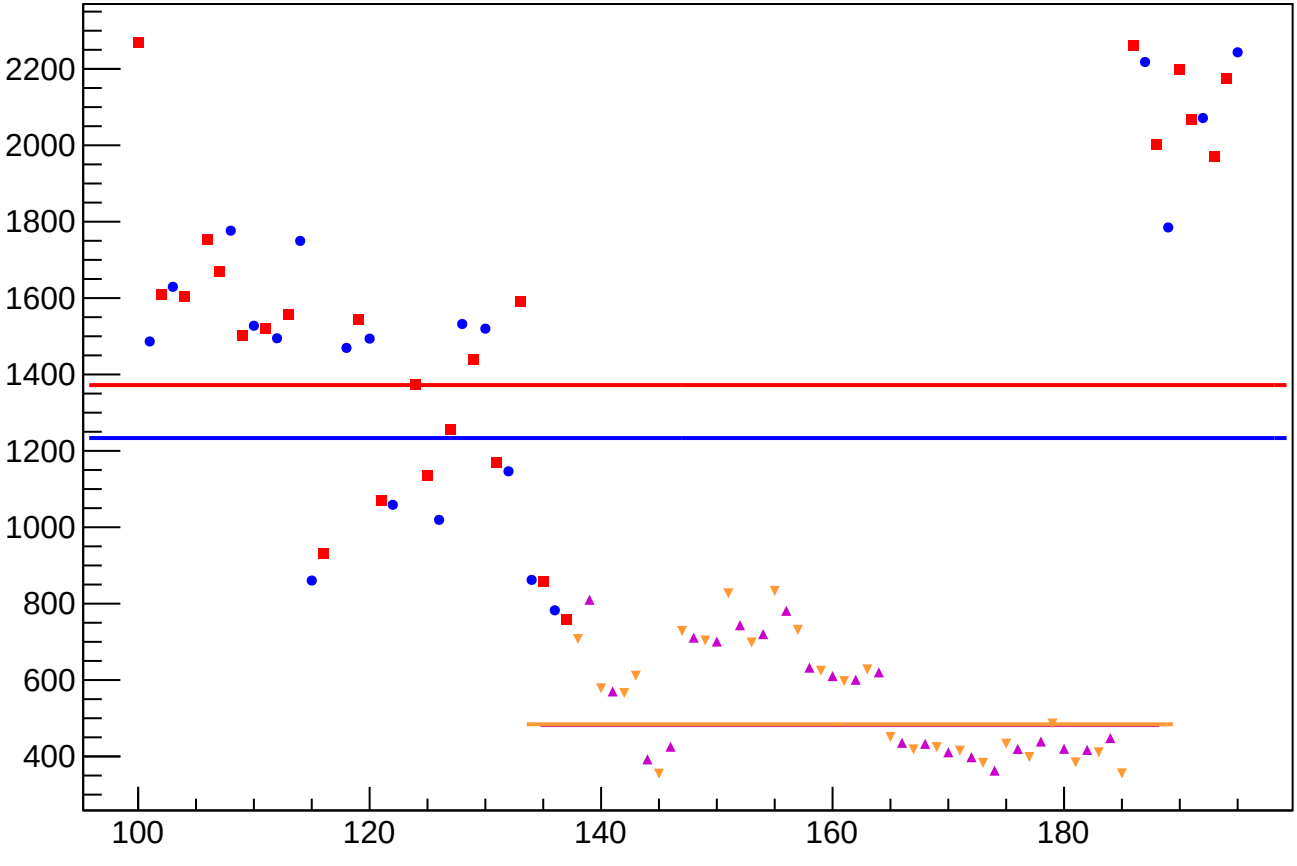
Right: 64.889+/-300.504 χ^2/NDF: 44.7/44

In: 80.048+/-112.415 χ^2/NDF:54.0/42

Out: 372.210+/-110.537 χ^2/NDF:84.5/49

All: 228.590+/-78.817 χ^2/NDF: 142.0/92

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1233.571+/-0.296 χ^2/NDF: 2061944.6/19

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1372.227+/-0.305 χ^2/NDF: 1910255.9/24

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

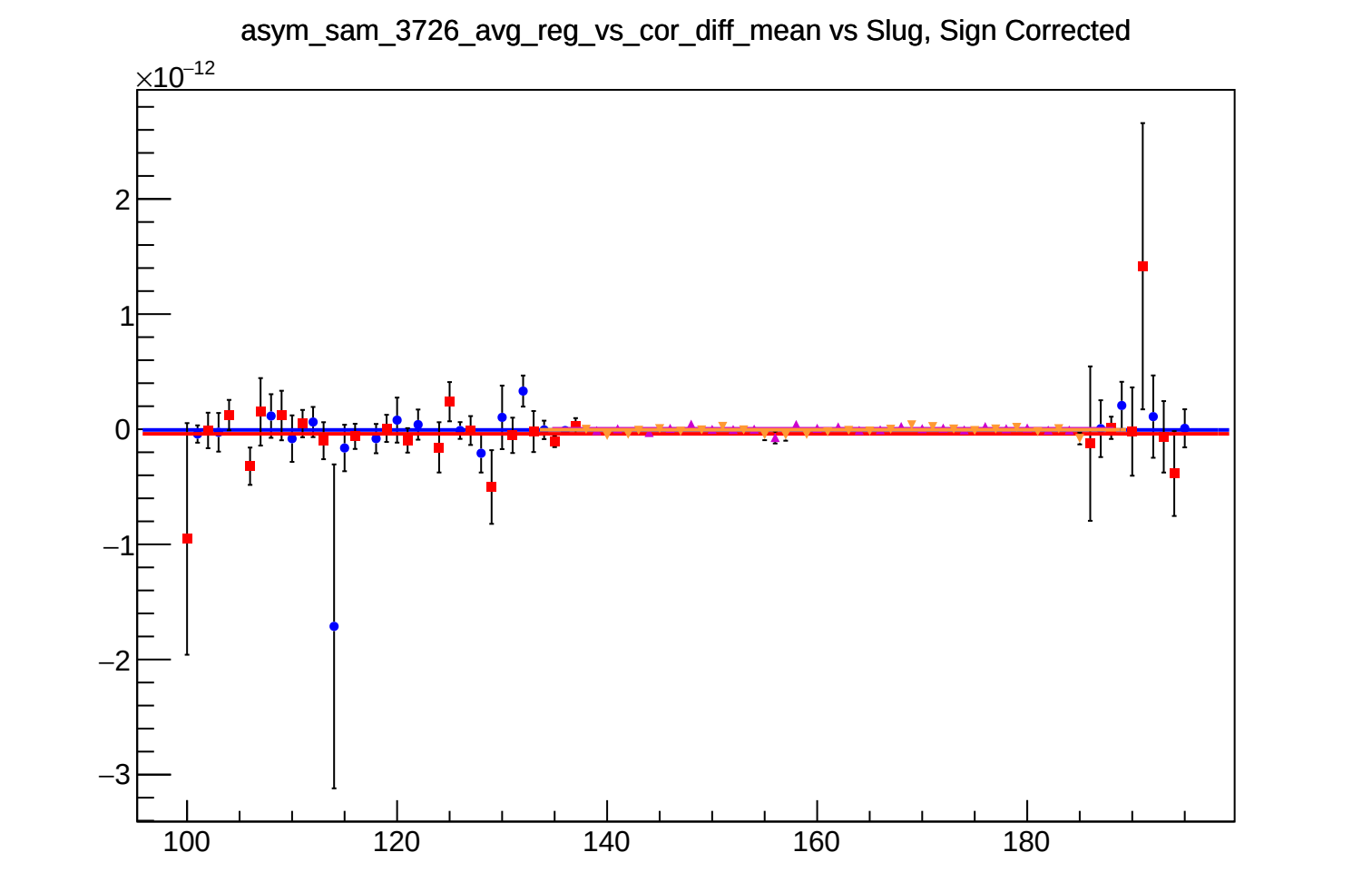
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1300.798+/-0.212 χ^2/NDF: 4078552.6/44

In: 536.330+/-0.079 χ^2/NDF:10226193.7/42

Out: 542.389+/-0.078 χ^2/NDF:12372588.0/49

All: 539.411+/-0.056 χ^2/NDF: 22601735.4/92



Right In: -0.000+/-0.000 χ^2/NDF: 12.9/19

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/24

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

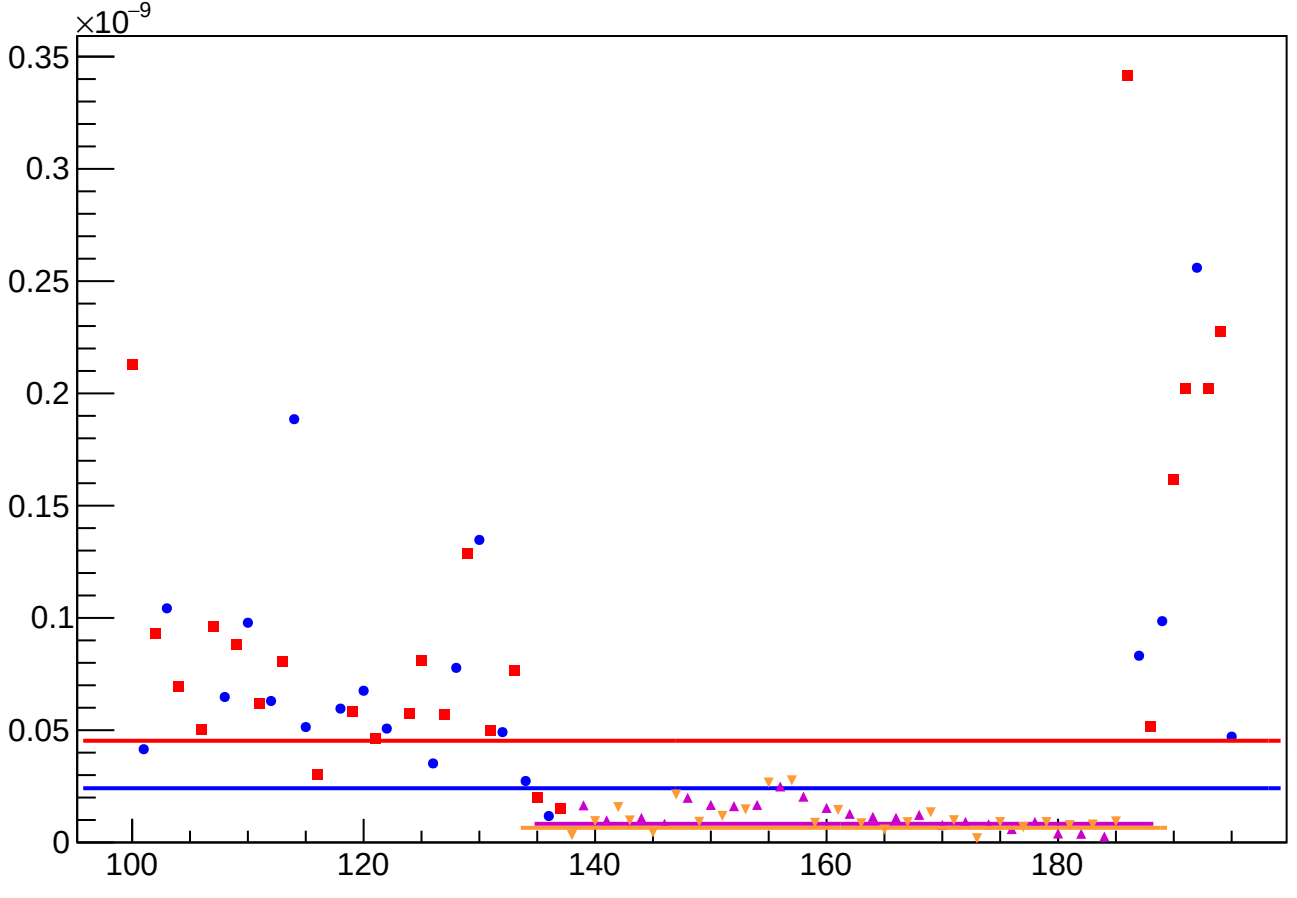
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 32.2/44

In: 0.000+/-0.000 χ^2/NDF:28.3/42

Out: -0.000+/-0.000 χ^2/NDF:51.0/49

All: -0.000+/-0.000 χ^2/NDF: 82.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 4126070.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3506137.5/24

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

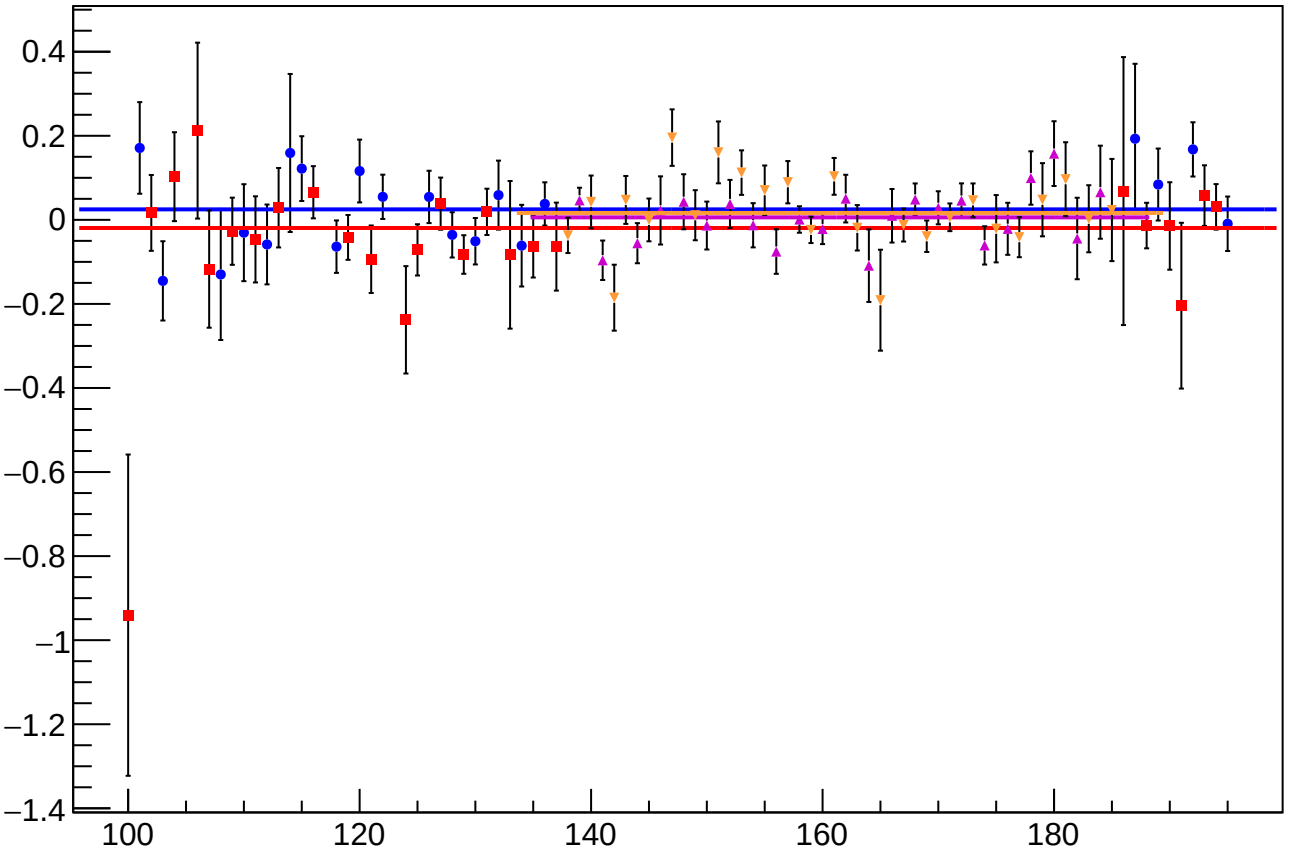
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 8562756.8/44

In: 0.000+/-0.000 χ^2/NDF:8558574.0/42

Out: 0.000+/-0.000 χ^2/NDF:11682281.9/49

All: 0.000+/-0.000 χ^2/NDF: 20559556.7/92



Right In: 0.025+/-0.017 χ^2/NDF: 23.9/19

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

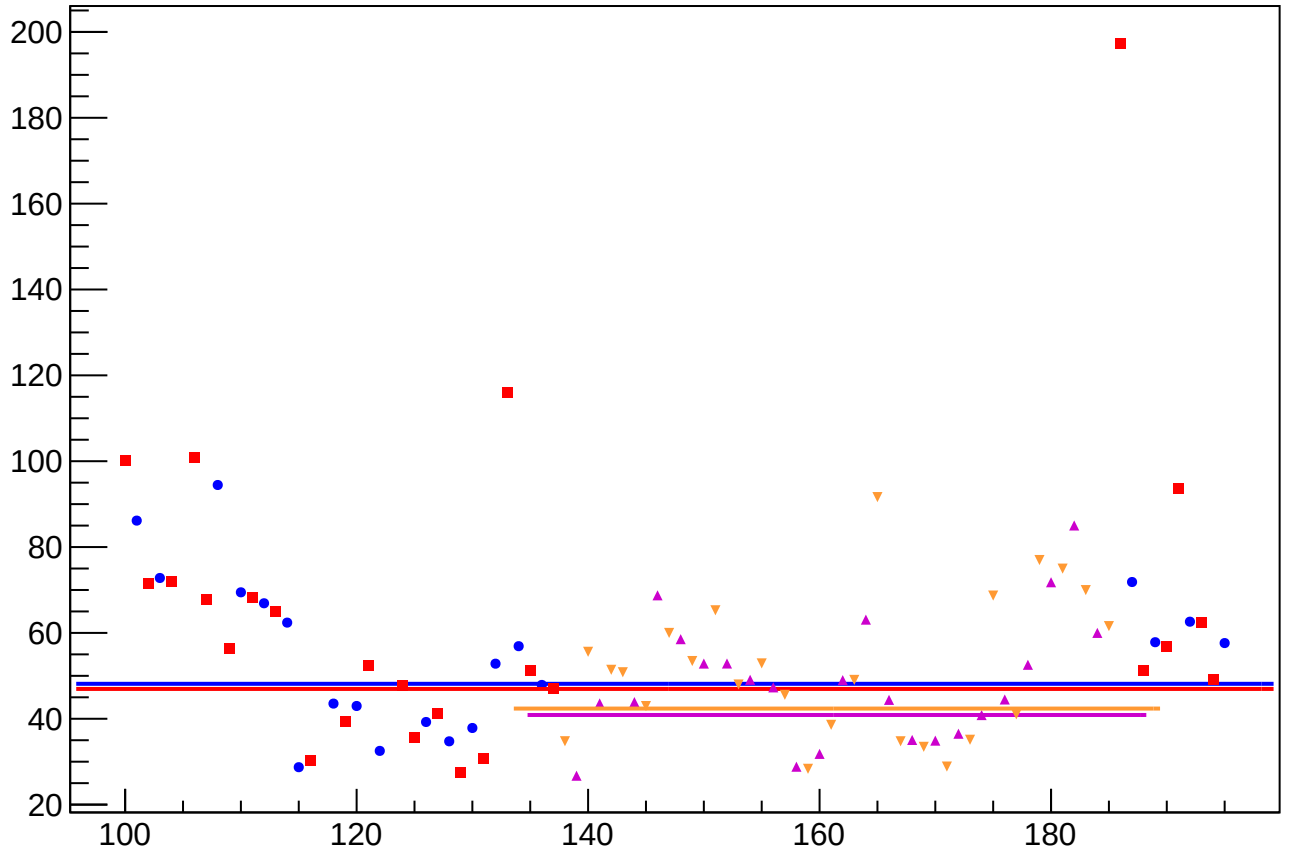
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.001+/-0.011 χ^2/NDF: 50.5/44

In: 0.011+/-0.009 χ^2/NDF:50.8/42

Out: 0.005+/-0.009 χ^2/NDF:67.6/49

All: 0.008+/-0.006 χ^2/NDF: 118.6/92



Right In: 48.143+/-0.012 χ^2/NDF: 1499324.0/19

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 46.949+/-0.011 χ^2/NDF: 2476187.8/24

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

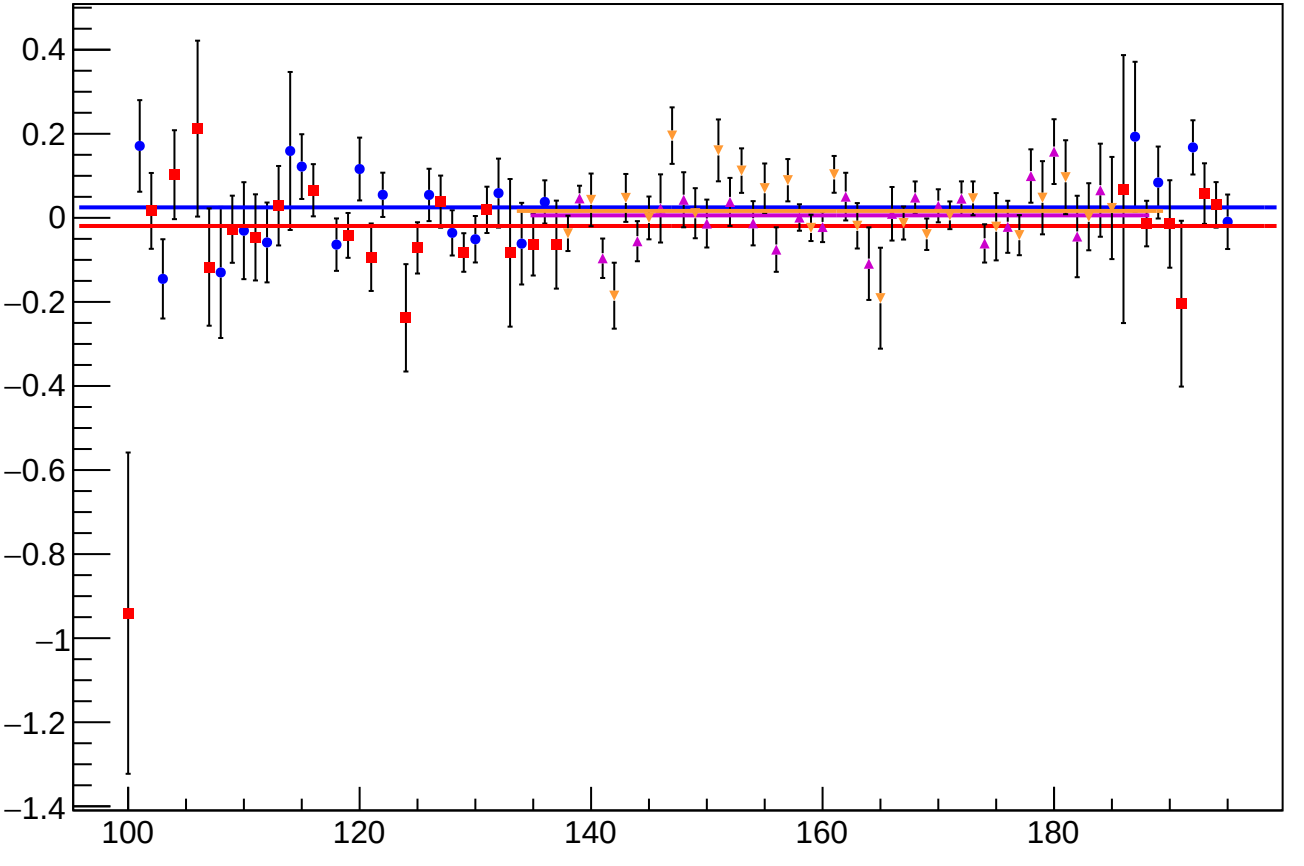
Right: 47.508+/-0.008 χ^2/NDF: 3981014.5/44

In: 42.893+/-0.006 χ^2/NDF:4454173.4/42

Out: 43.777+/-0.006 χ^2/NDF:5786995.4/49

All: 43.342+/-0.004 χ^2/NDF: 10251544.8/92

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.017 χ^2/NDF: 23.9/19

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

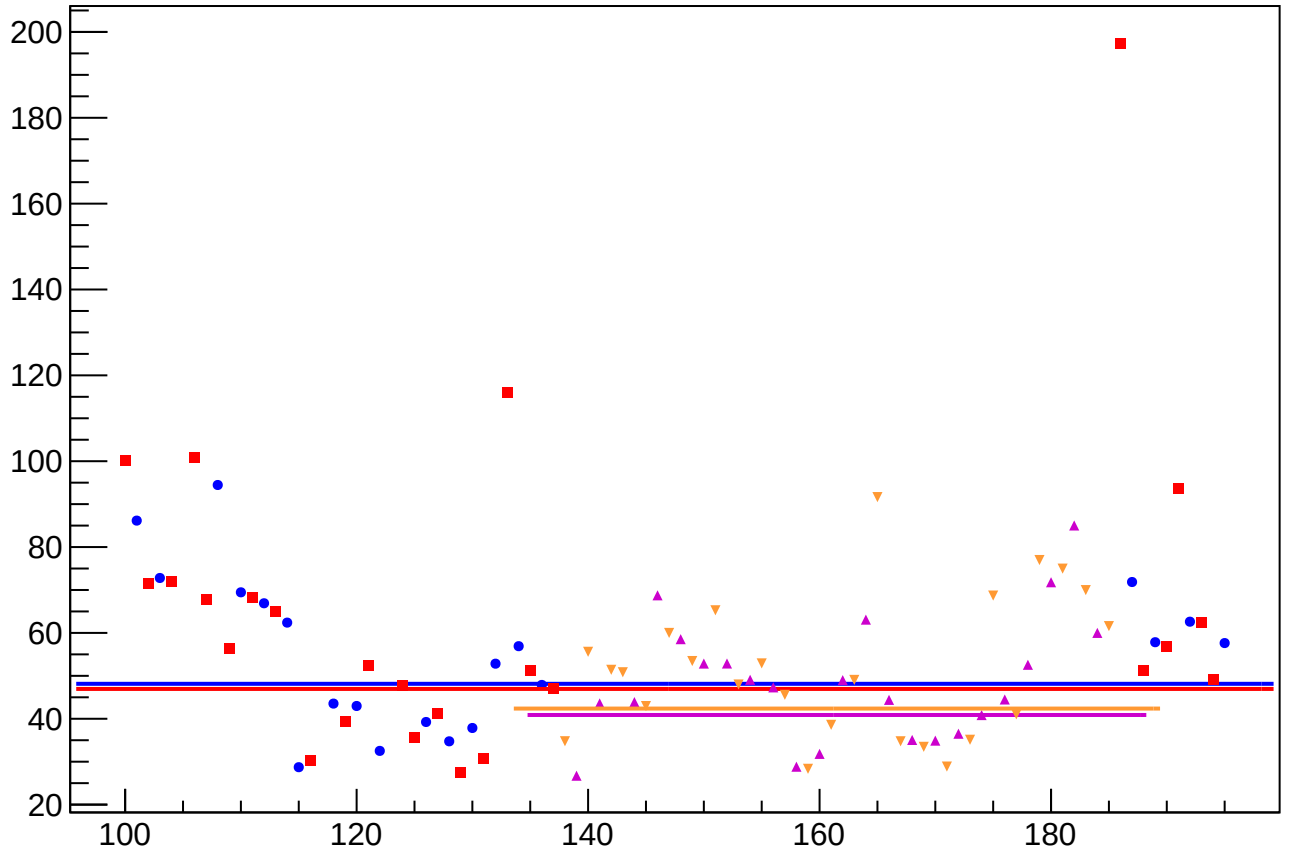
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.001+/-0.011 χ^2/NDF: 50.5/44

In: 0.011+/-0.009 χ^2/NDF:50.8/42

Out: 0.005+/-0.009 χ^2/NDF:67.6/49

All: 0.008+/-0.006 χ^2/NDF: 118.6/92



Right In: 48.143+/-0.012 χ^2/NDF: 1499324.0/19

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 46.949+/-0.011 χ^2/NDF: 2476187.8/24

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

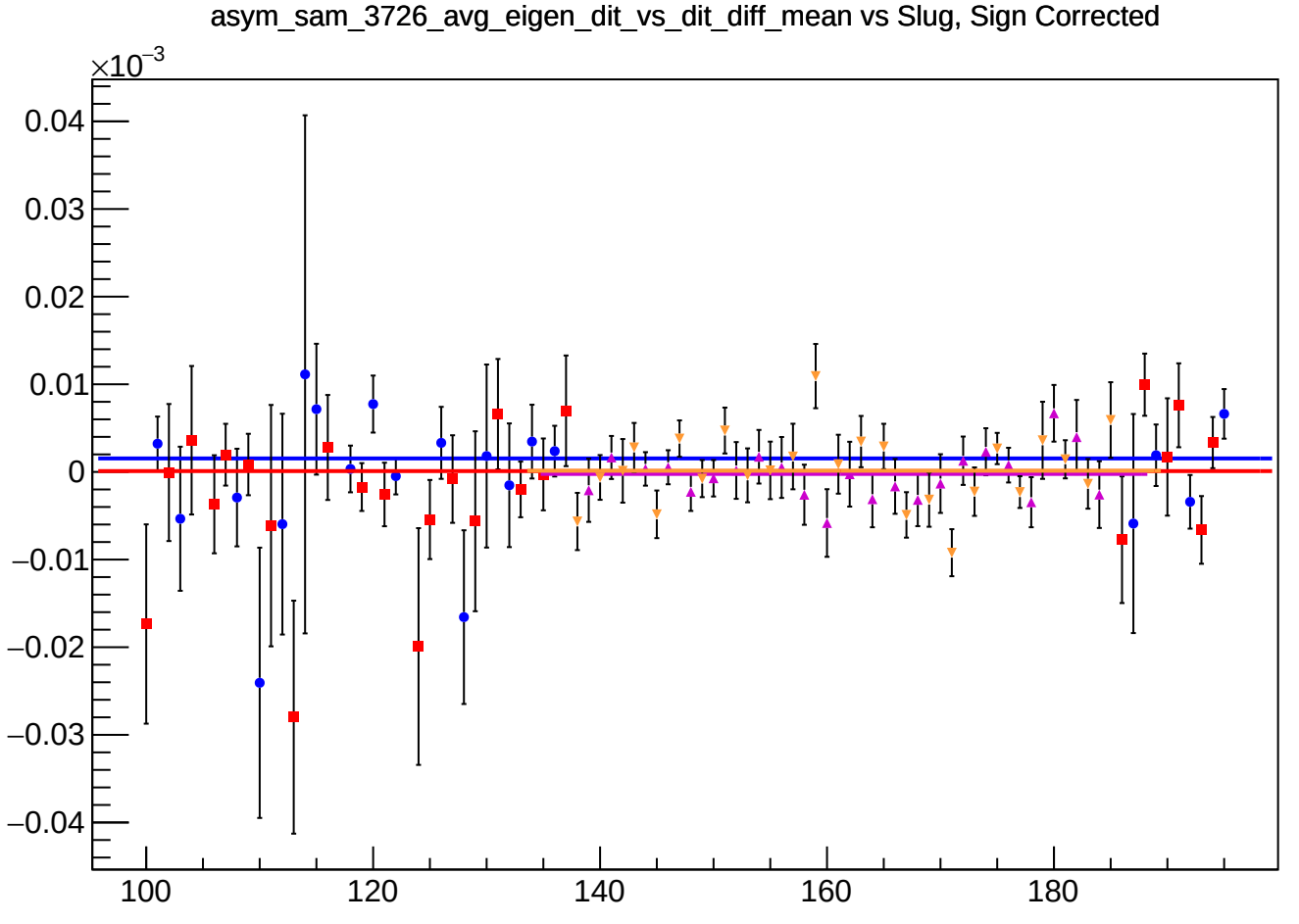
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 47.508+/-0.008 χ^2/NDF: 3981014.5/44

In: 42.893+/-0.006 χ^2/NDF:4454173.4/42

Out: 43.777+/-0.006 χ^2/NDF:5786995.4/49

All: 43.342+/-0.004 χ^2/NDF: 10251544.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/24

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

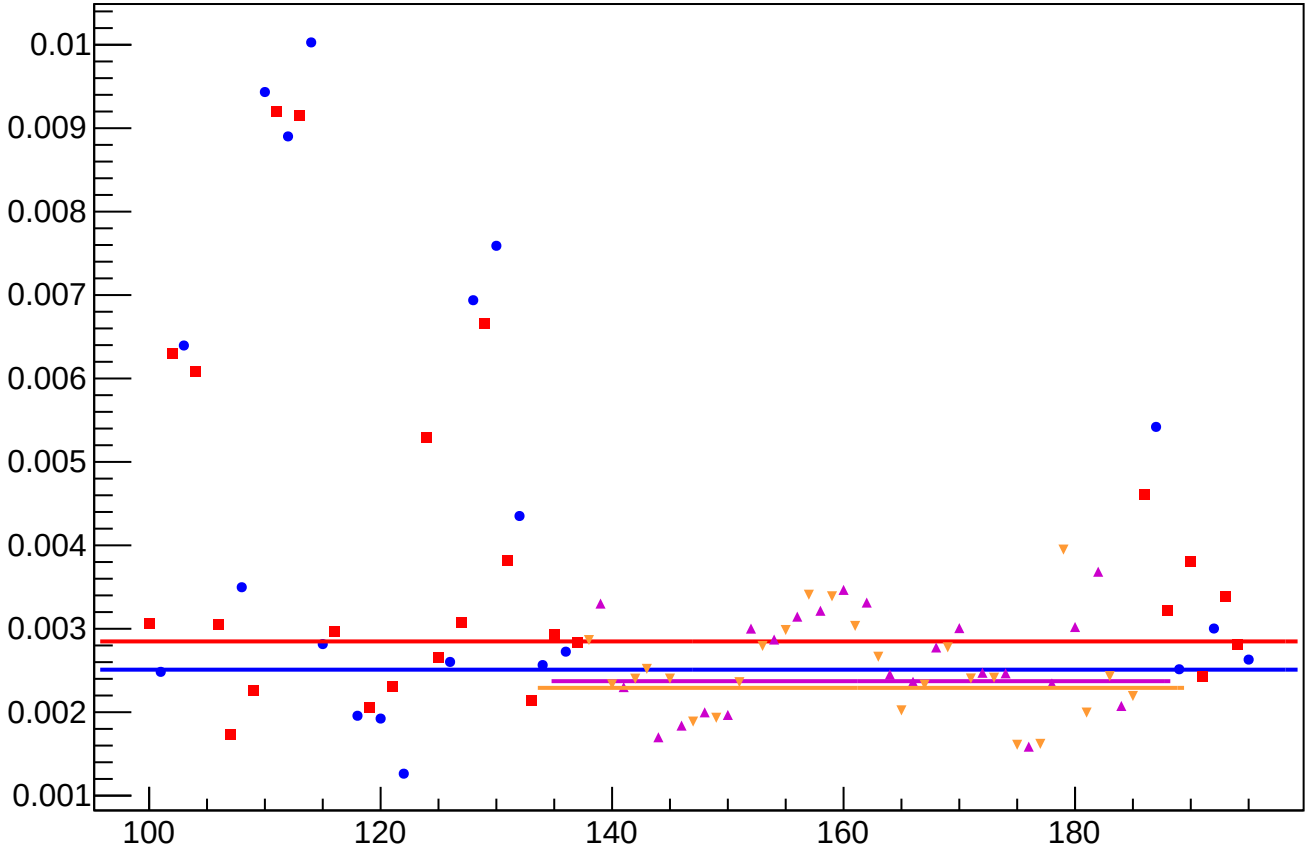
Right: 0.000+/-0.000 χ^2/NDF: 53.2/44

In: 0.000+/-0.000 χ^2/NDF:39.0/42

Out: 0.000+/-0.000 χ^2/NDF:81.5/49

All: 0.000+/-0.000 χ^2/NDF: 120.6/92

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3612467.2/19

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2764330.0/24

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

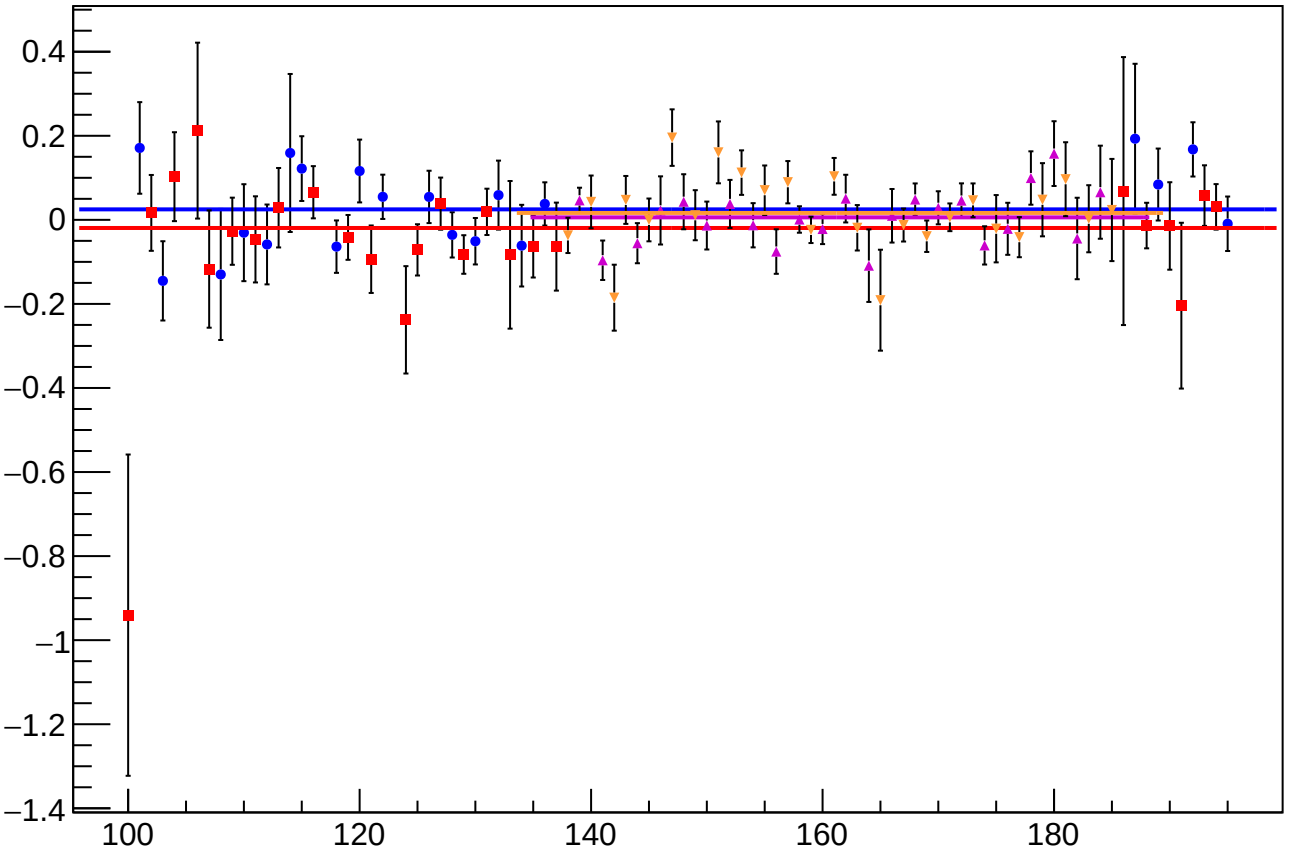
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6513228.7/44

In: 0.002+/-0.000 χ^2/NDF:5666101.9/42

Out: 0.002+/-0.000 χ^2/NDF:5116106.0/49

All: 0.002+/-0.000 χ^2/NDF: 10783543.5/92



Right In: 0.025+/-0.017 χ^2/NDF: 23.9/19

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

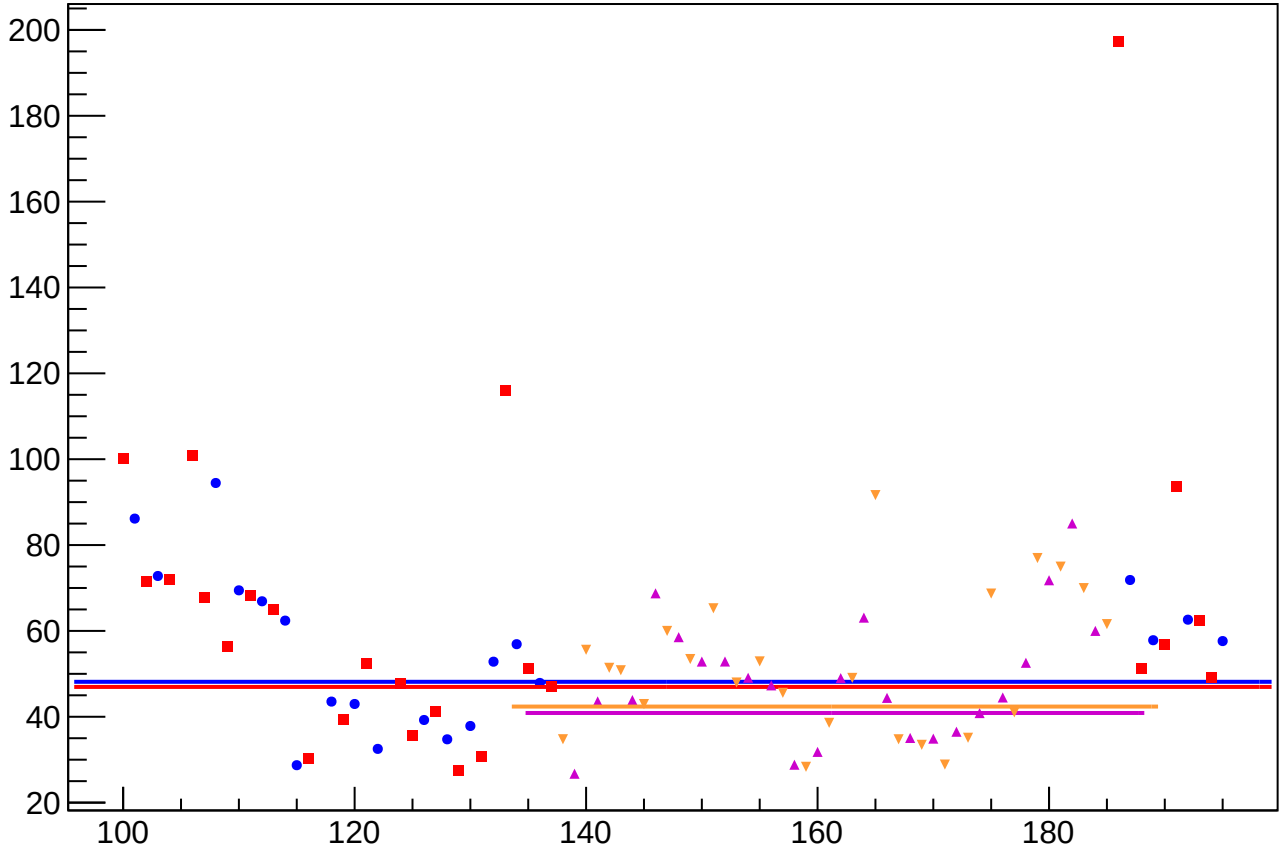
Right: 0.001+/-0.011 χ^2/NDF: 50.5/44

In: 0.011+/-0.009 χ^2/NDF:50.8/42

Out: 0.005+/-0.009 χ^2/NDF:67.6/49

All: 0.008+/-0.006 χ^2/NDF: 118.6/92

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.143+/-0.012 χ^2/NDF: 1499278.4/19

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 46.950+/-0.011 χ^2/NDF: 2476087.6/24

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

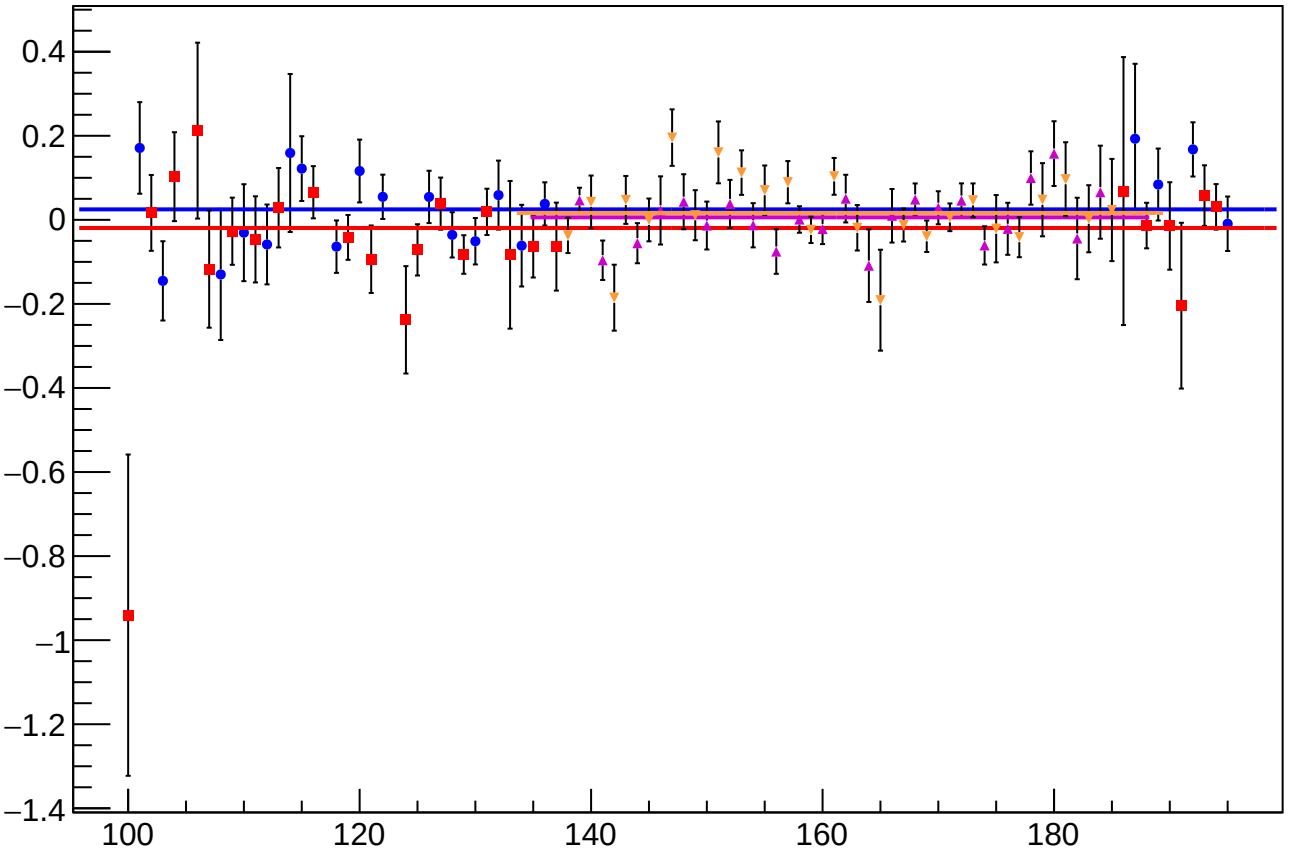
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 47.508+/-0.008 χ^2/NDF: 3980865.7/44

In: 42.894+/-0.006 χ^2/NDF:4454116.2/42

Out: 43.778+/-0.006 χ^2/NDF:5786921.3/49

All: 43.342+/-0.004 χ^2/NDF: 10251414.1/92



Right In: 0.025+/-0.017 χ^2/NDF: 23.9/19

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

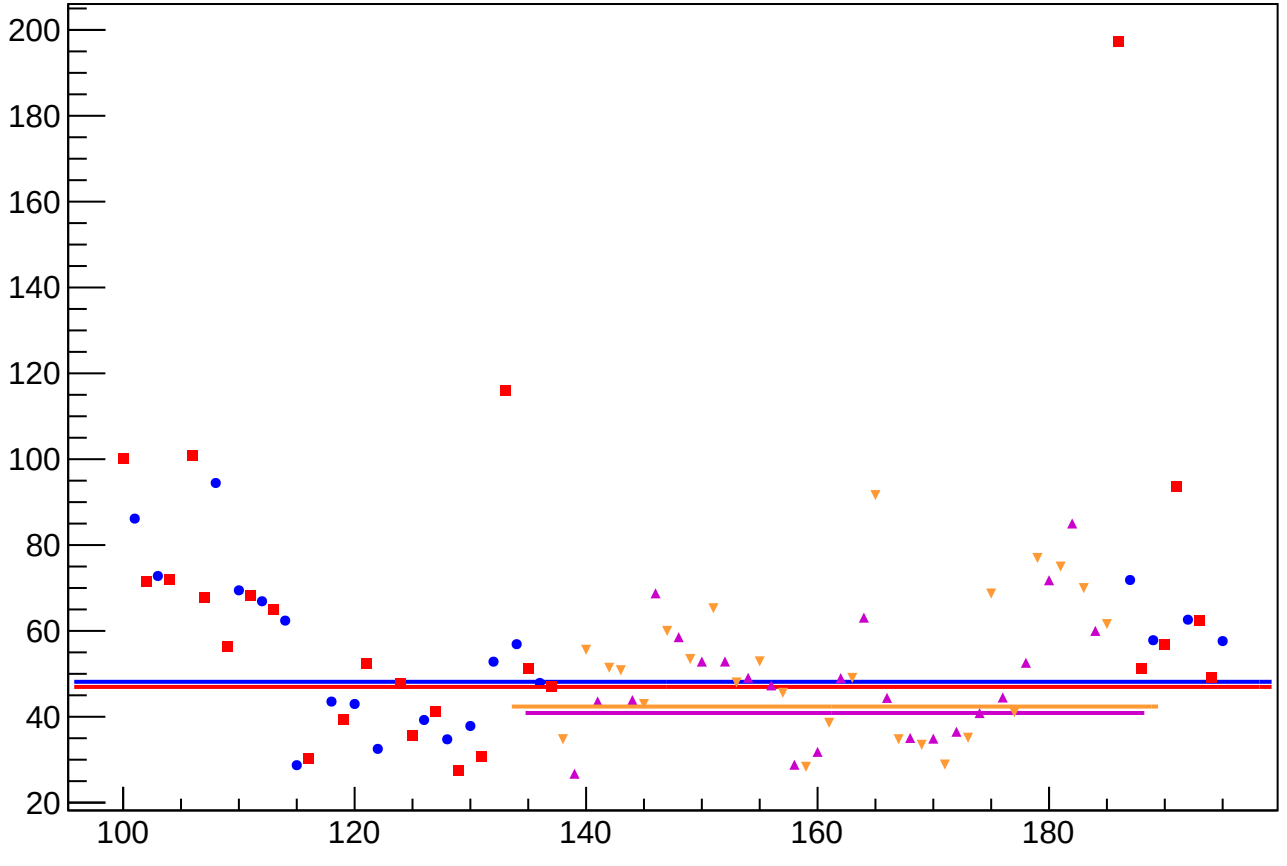
Right: 0.001+/-0.011 χ^2/NDF: 50.5/44

In: 0.011+/-0.009 χ^2/NDF:50.8/42

Out: 0.005+/-0.009 χ^2/NDF:67.6/49

All: 0.008+/-0.006 χ^2/NDF: 118.6/92

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.143+/-0.012 χ^2/NDF: 1499278.4/19

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 46.950+/-0.011 χ^2/NDF: 2476087.6/24

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

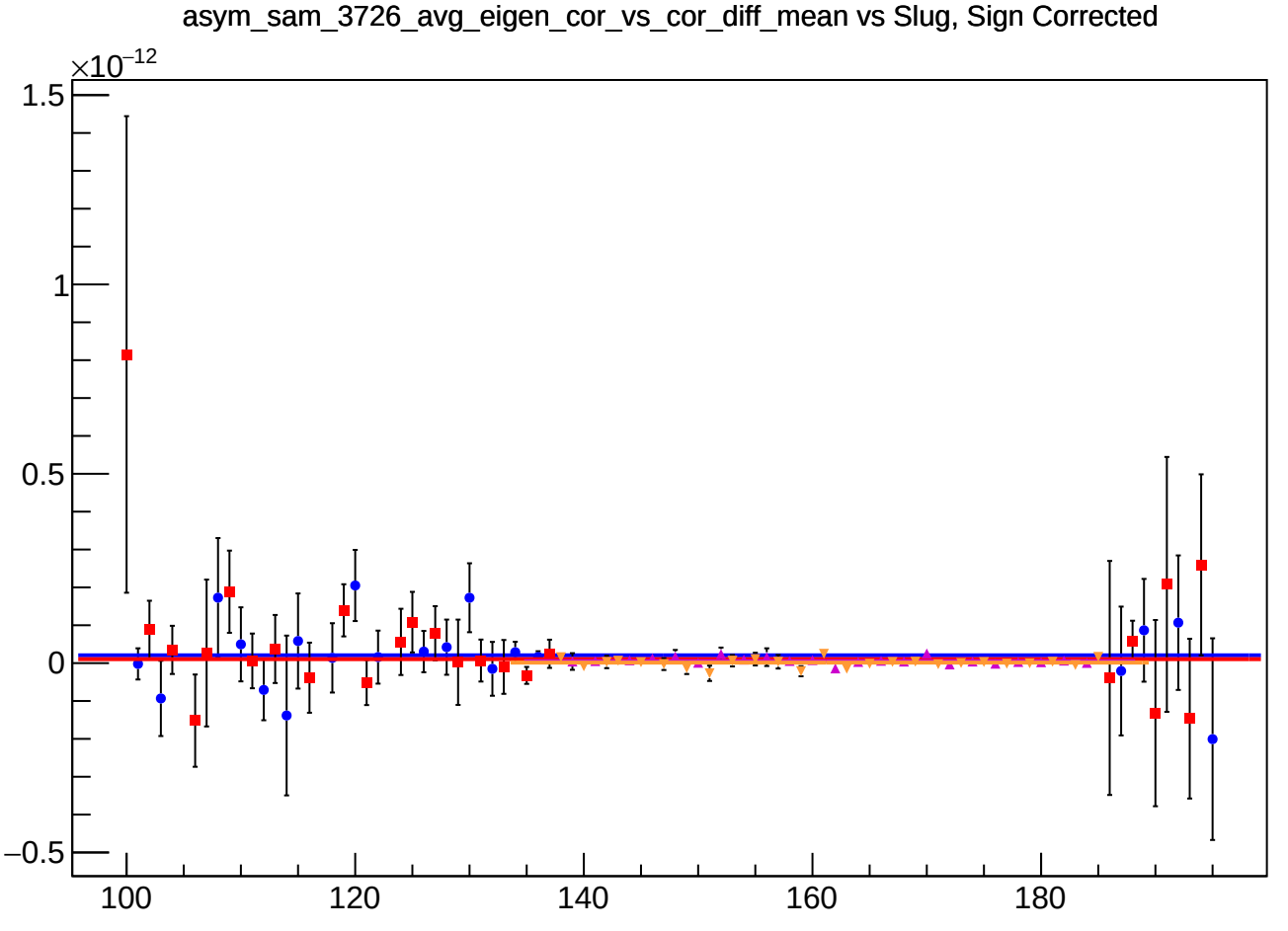
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

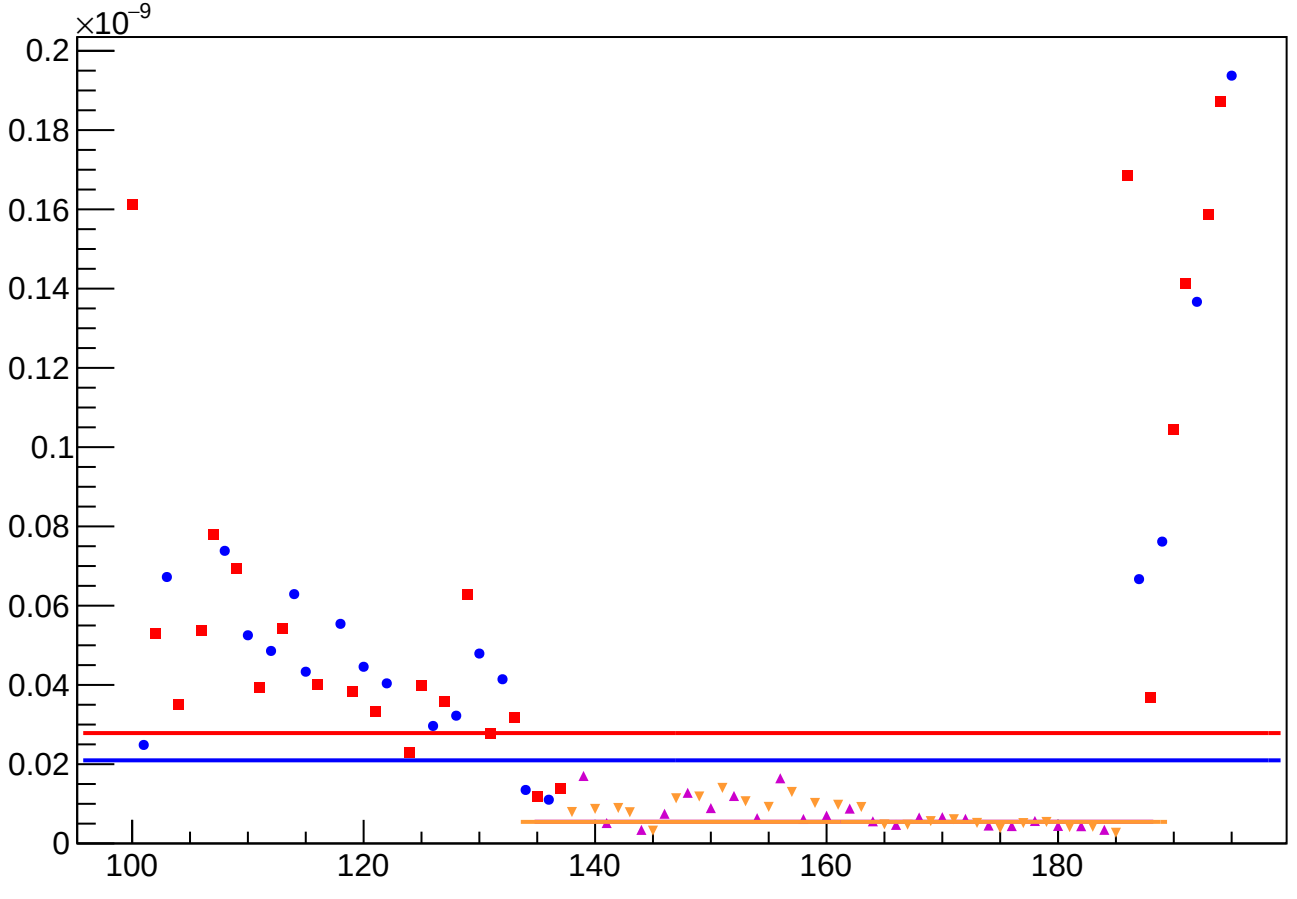
Right: 47.508+/-0.008 χ^2/NDF: 3980865.7/44

In: 42.894+/-0.006 χ^2/NDF:4454116.2/42

Out: 43.778+/-0.006 χ^2/NDF:5786921.3/49

All: 43.342+/-0.004 χ^2/NDF: 10251414.1/92


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 13.0/19
Left Out: 0.000+/-0.000 χ²/NDF:19.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/24
Left In: 0.000+/-0.000 χ²/NDF:13.2/22
Left: 0.000+/-0.000 χ²/NDF: 35.1/47
Right: 0.000+/-0.000 χ²/NDF: 35.2/44
In: 0.000+/-0.000 χ²/NDF:28.1/42
Out: 0.000+/-0.000 χ²/NDF:42.0/49
All: 0.000+/-0.000 χ²/NDF: 72.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 5435904.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5310326.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

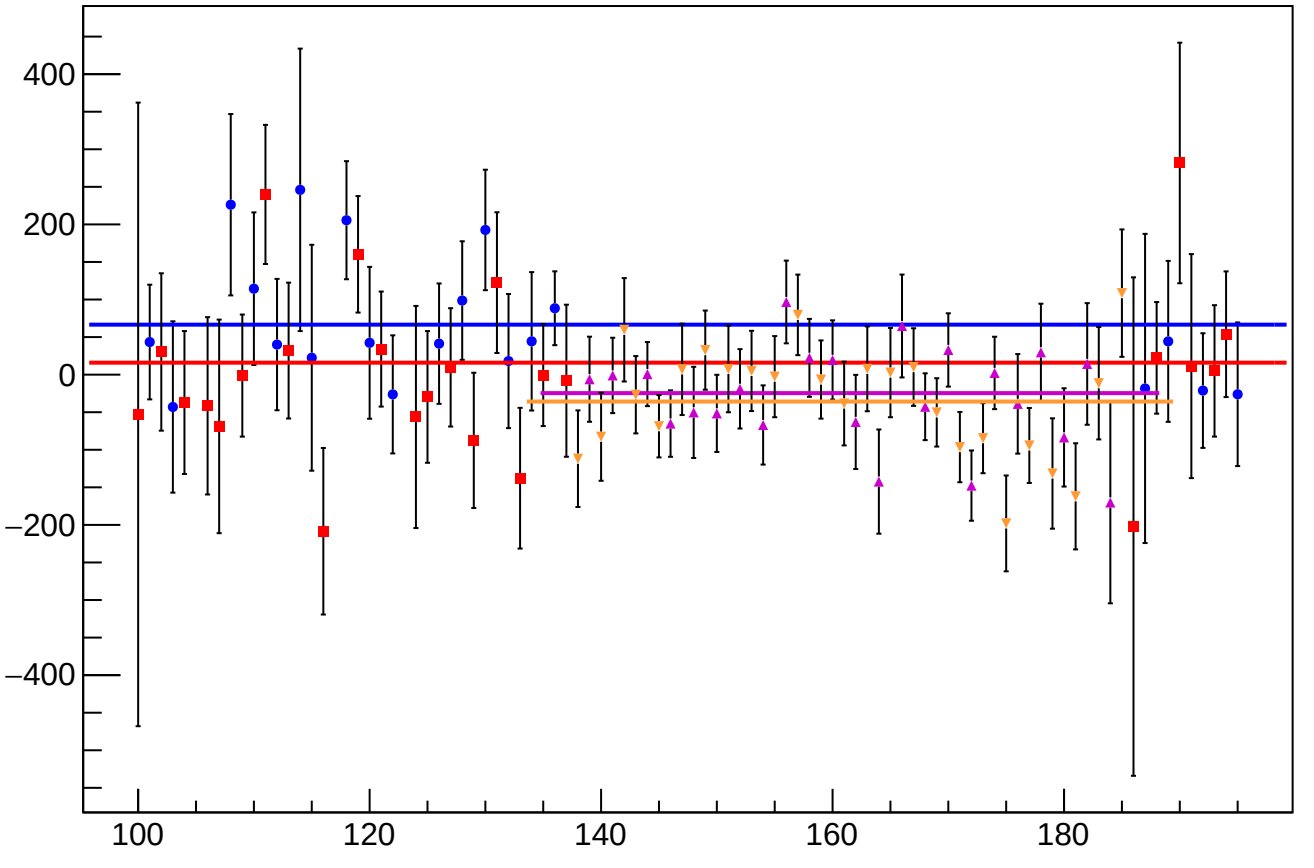
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 11064542.2/44

In: 0.000+/-0.000 χ^2/NDF:12045059.6/42

Out: 0.000+/-0.000 χ^2/NDF:14757440.8/49

All: 0.000+/-0.000 χ^2/NDF: 26803272.0/92



Right In: 66.546+/-19.762 χ^2/NDF: 14.4/19

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 15.952+/-19.289 χ^2/NDF: 23.8/24

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

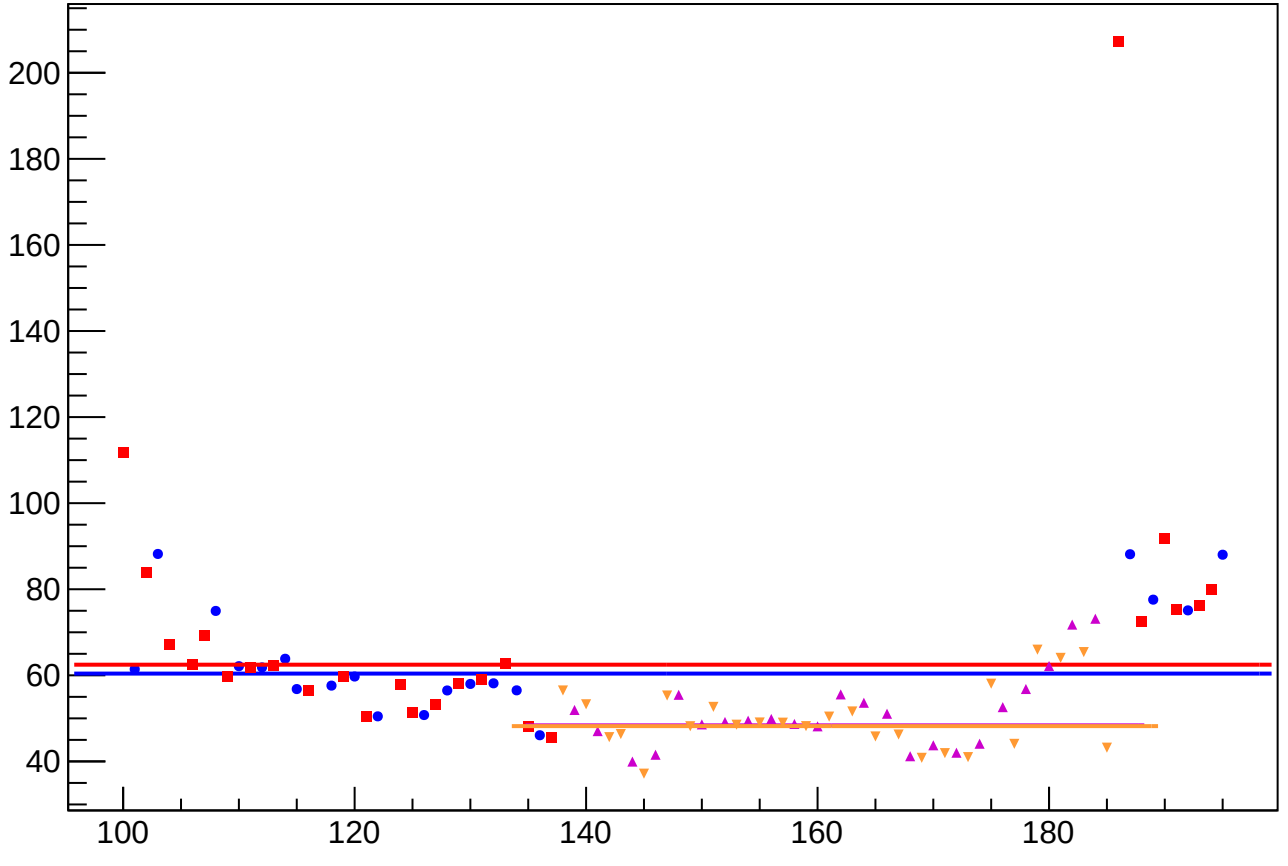
Right: 40.635+/-13.804 χ^2/NDF: 41.6/44

In: -1.609+/-9.921 χ^2/NDF:56.1/42

Out: -22.881+/-9.633 χ^2/NDF:62.9/49

All: -12.558+/-6.911 χ^2/NDF: 121.4/92

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 60.404+/-0.014 χ^2/NDF: 725147.4/19

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.472+/-0.014 χ^2/NDF: 1031034.0/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

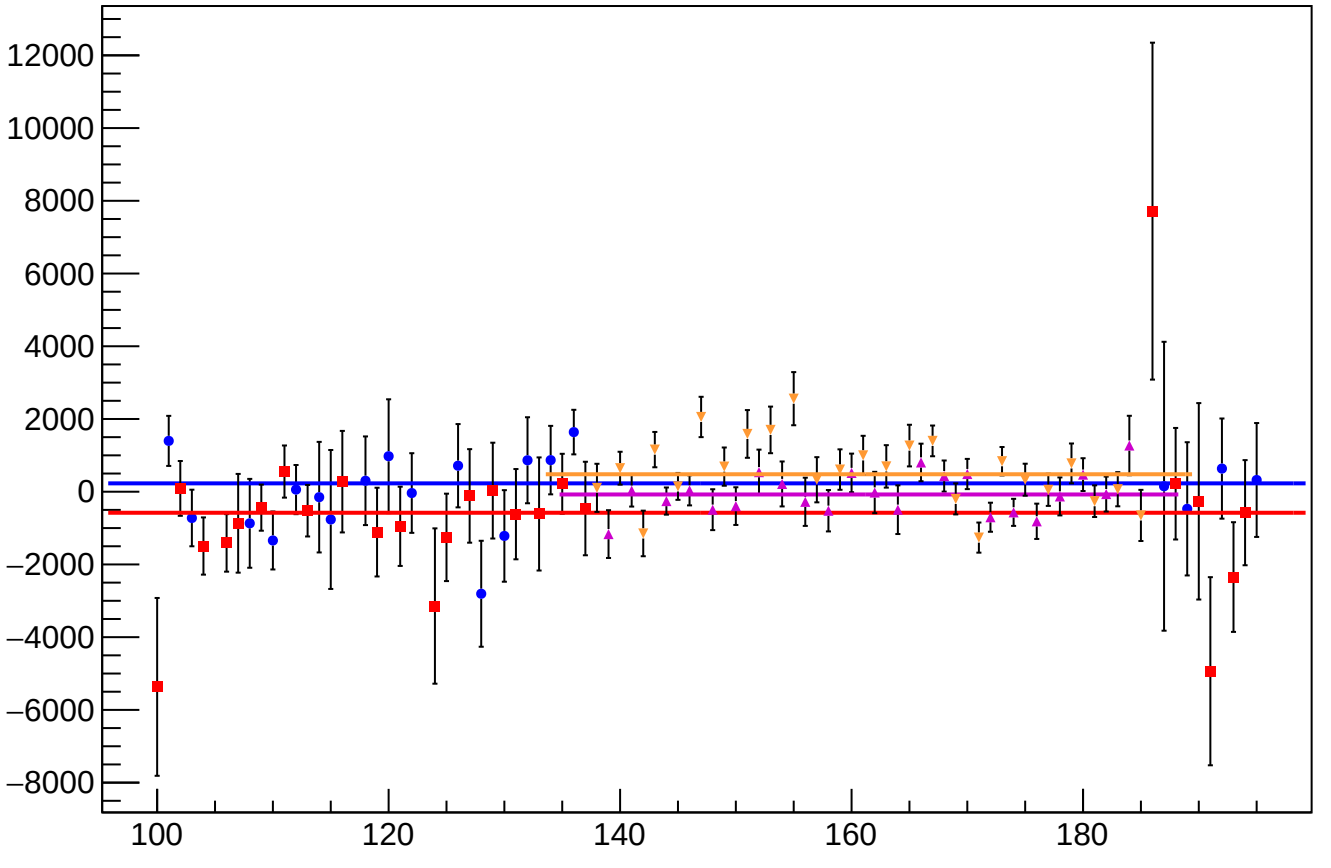
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 61.463+/-0.010 χ^2/NDF: 1767390.1/44

In: 51.411+/-0.007 χ^2/NDF:1974291.4/42

Out: 51.759+/-0.007 χ^2/NDF:2633318.0/49

All: 51.590+/-0.005 χ^2/NDF: 4608875.0/92



Right In: 229.745+/-232.611 χ^2/NDF: 21.9/19

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -578.773+/-218.002 χ^2/NDF: 21.1/24

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

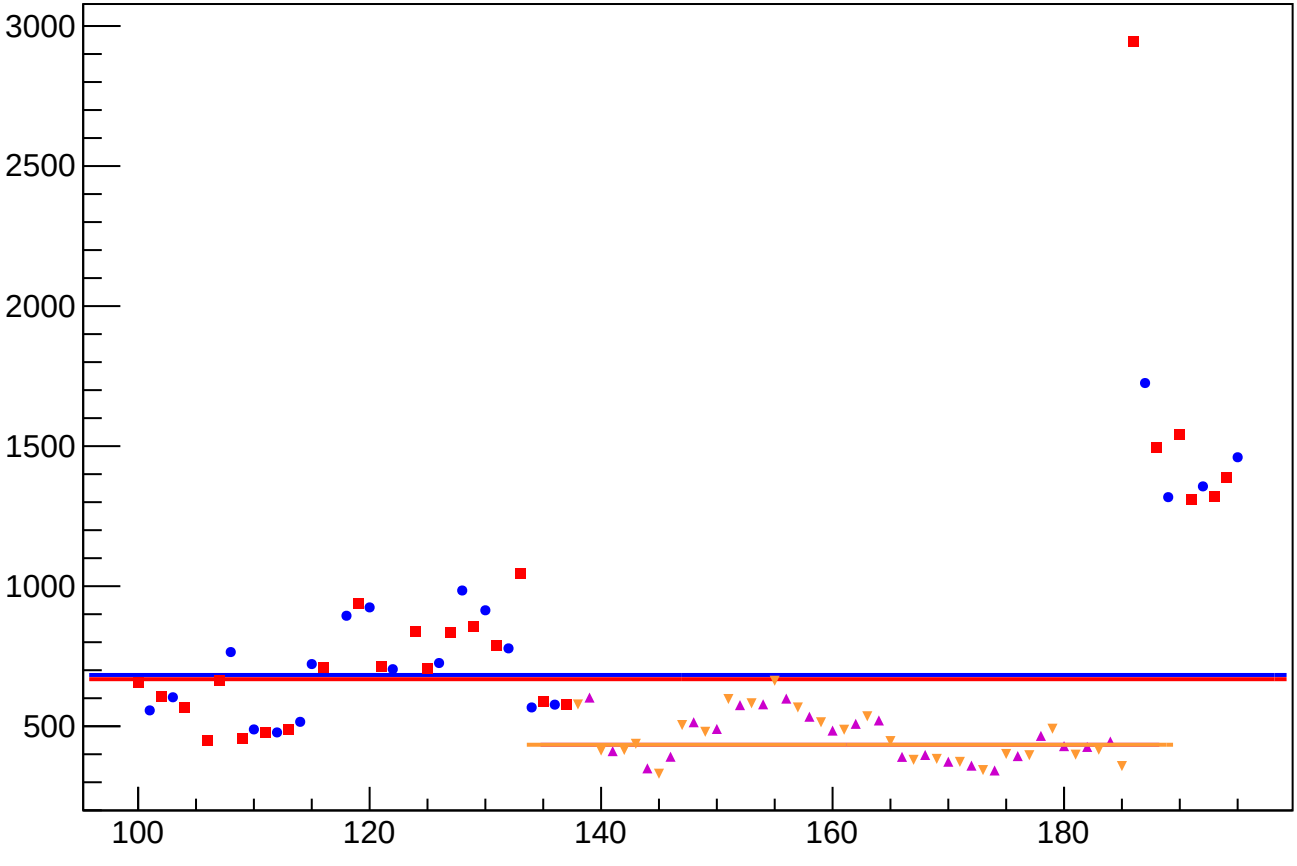
Right: -200.698+/-159.065 χ^2/NDF: 49.4/44

In: -25.493+/-94.278 χ^2/NDF:47.8/42

Out: 294.523+/-91.288 χ^2/NDF:109.8/49

All: 139.671+/-65.582 χ^2/NDF: 163.5/92

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 683.048+/-0.164 χ^2/NDF: 2141406.9/19

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 667.957+/-0.154 χ^2/NDF: 3317174.1/24

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

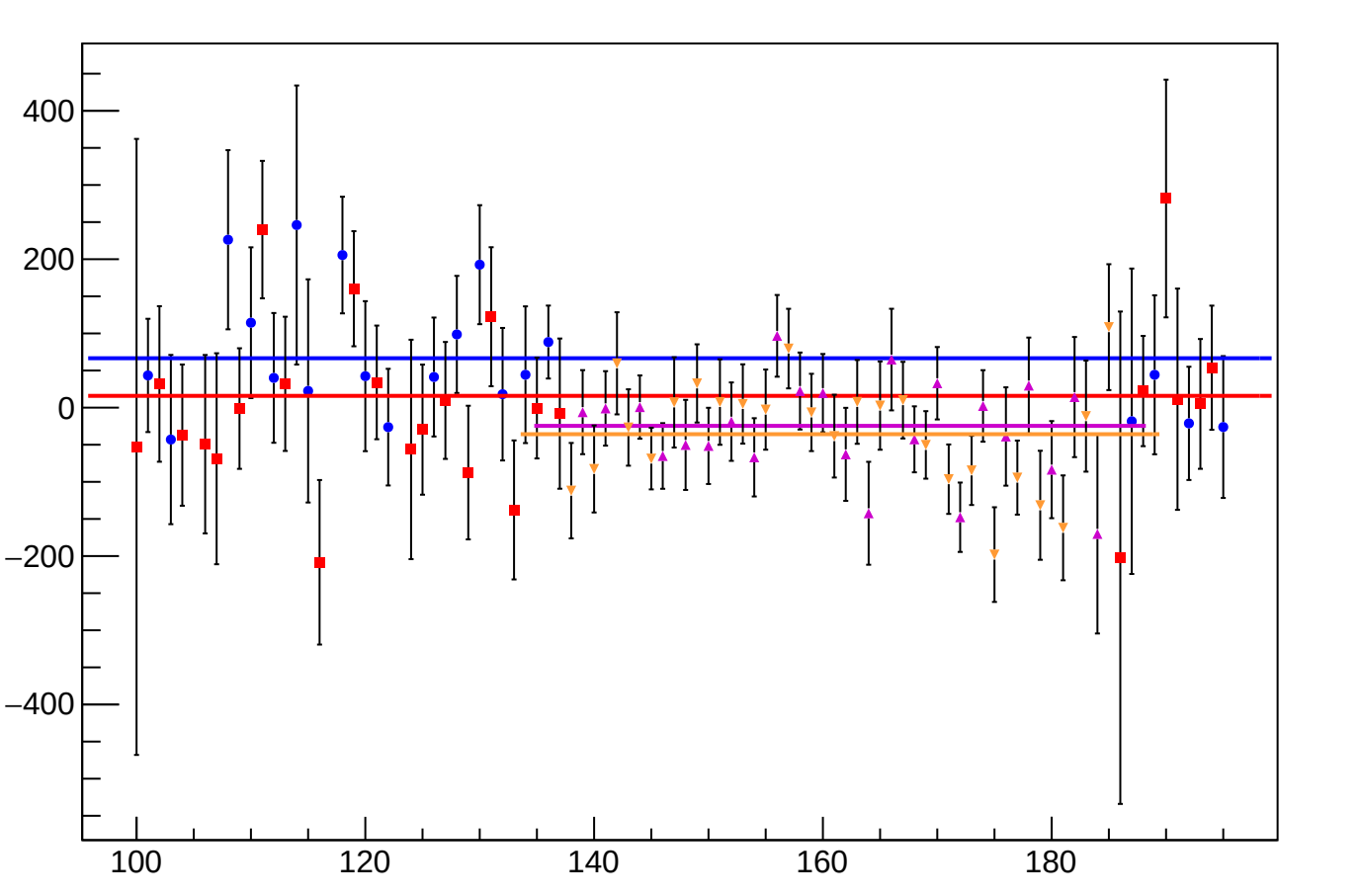
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 675.014+/-0.112 χ^2/NDF: 5463062.2/44

In: 474.679+/-0.067 χ^2/NDF:5156502.1/42

Out: 474.979+/-0.065 χ^2/NDF:6461324.1/49

All: 474.834+/-0.046 χ^2/NDF: 11617836.6/92



Right In: 66.549+/-19.762 χ^2/NDF: 14.4/19

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 15.870+/-19.298 χ^2/NDF: 23.9/24

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

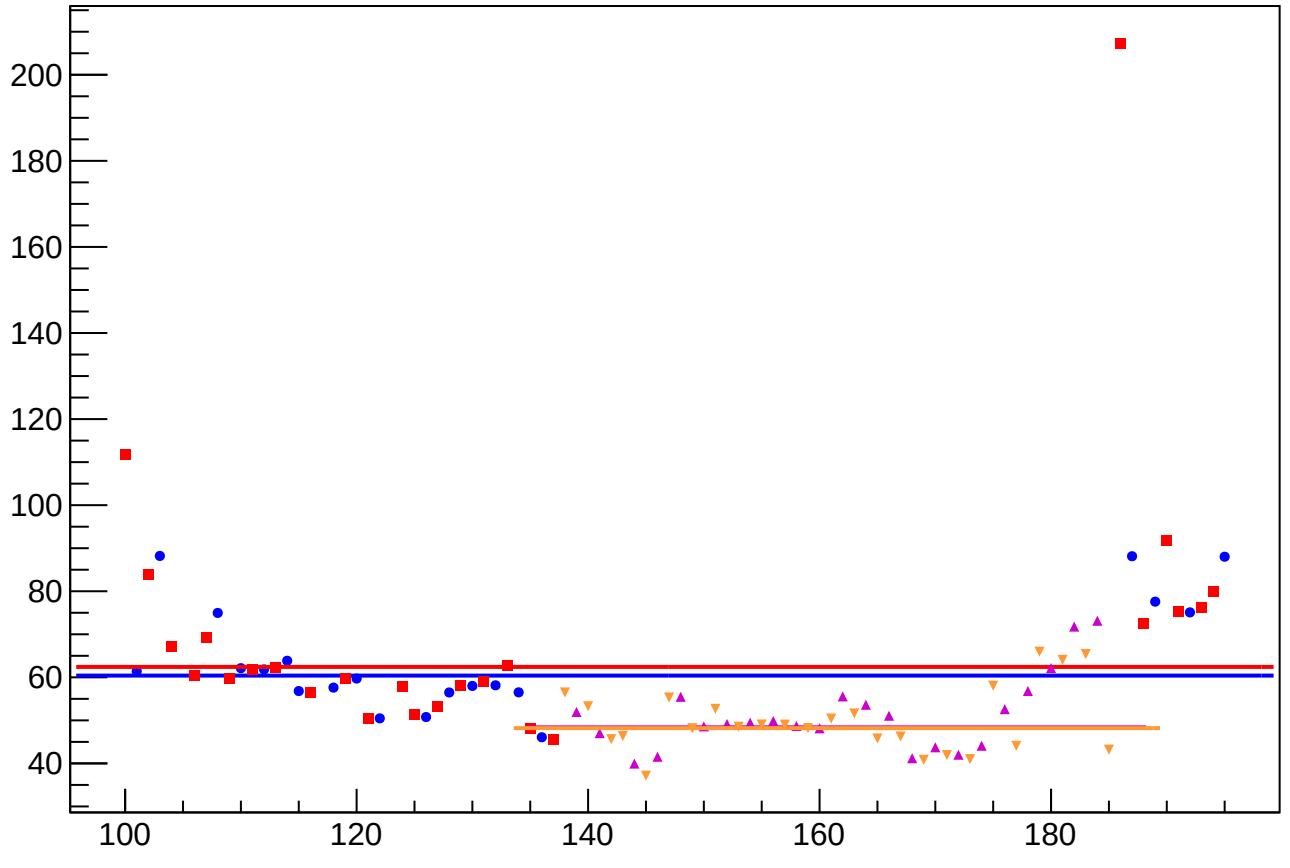
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 40.607+/-13.807 χ^2/NDF: 41.7/44

In: -1.609+/-9.921 χ^2/NDF:56.1/42

Out: -22.916+/-9.635 χ^2/NDF:63.0/49

All: -12.574+/-6.912 χ^2/NDF: 121.4/92



Right In: 60.404+/-0.014 χ^2/NDF: 725150.9/19

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.420+/-0.014 χ^2/NDF: 1031813.4/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

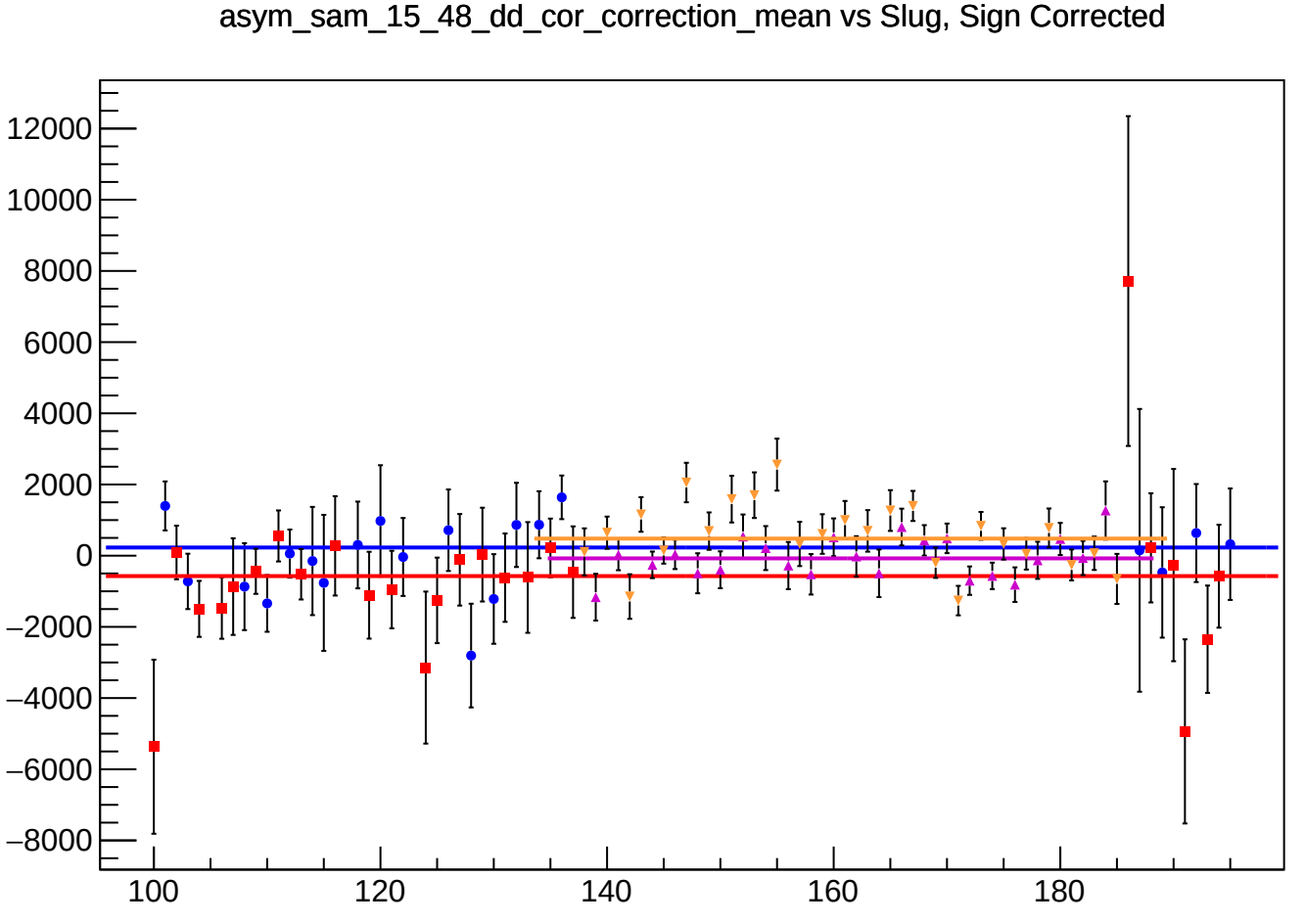
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 61.436+/-0.010 χ^2/NDF: 1767611.1/44

In: 51.411+/-0.007 χ^2/NDF:1974295.4/42

Out: 51.743+/-0.007 χ^2/NDF:2627507.1/49

All: 51.582+/-0.005 χ^2/NDF: 4602956.7/92



Right In: 229.780+/-232.612 χ^2/NDF: 21.9/19

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -573.074+/-219.336 χ^2/NDF: 21.1/24

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

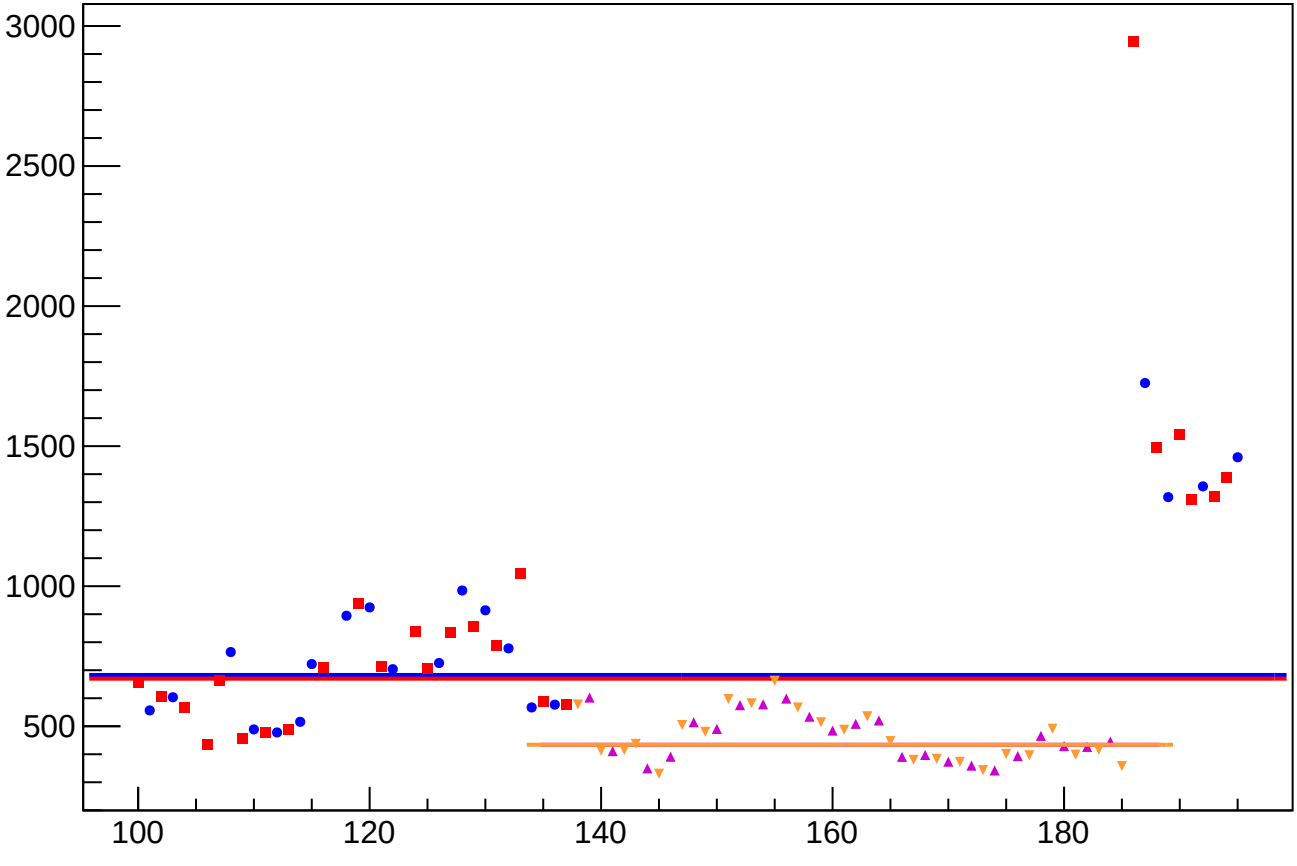
Right: -195.211+/-159.581 χ^2/NDF: 49.3/44

In: -25.490+/-94.278 χ^2/NDF:47.8/42

Out: 297.369+/-91.385 χ^2/NDF:109.3/49

All: 140.970+/-65.618 χ^2/NDF: 163.2/92

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 683.053+/-0.164 χ^2/NDF: 2141379.6/19

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 669.821+/-0.155 χ^2/NDF: 3308386.3/24

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

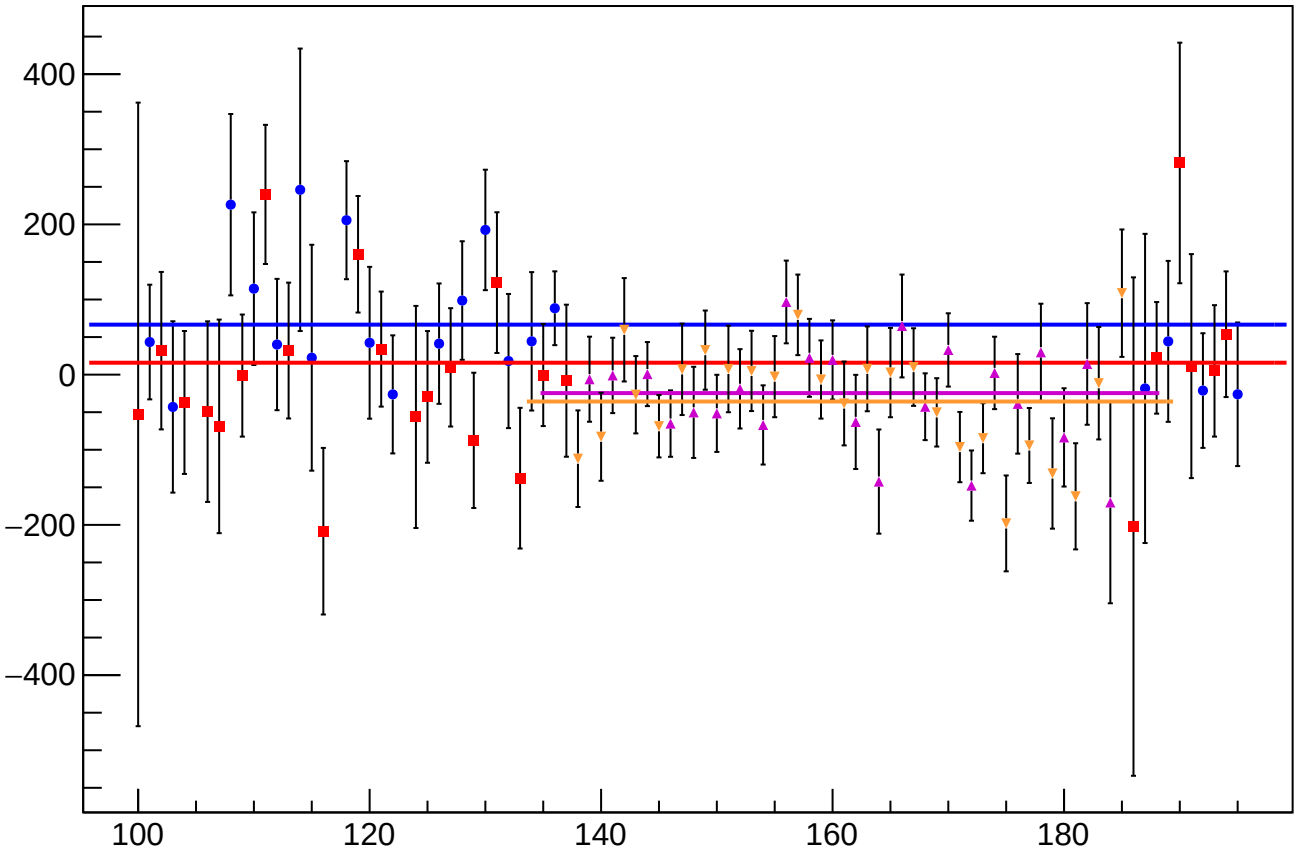
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 676.048+/-0.113 χ^2/NDF: 5453191.8/44

In: 474.679+/-0.067 χ^2/NDF:5156529.8/42

Out: 474.891+/-0.065 χ^2/NDF:6463573.4/49

All: 474.789+/-0.046 χ^2/NDF: 11620108.4/92



Right In: 66.549+/-19.762 χ^2/NDF: 14.4/19

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 15.870+/-19.298 χ^2/NDF: 23.9/24

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

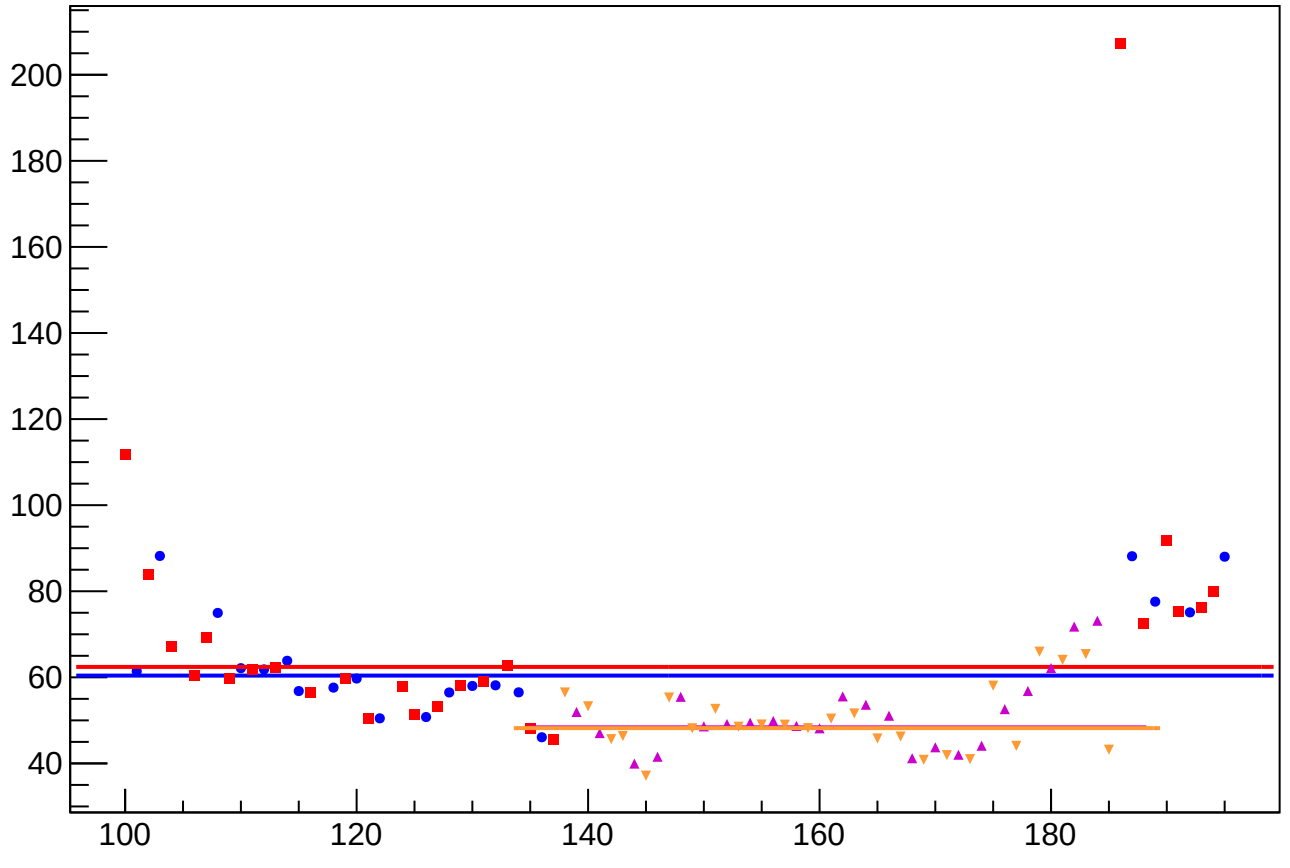
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 40.607+/-13.807 χ^2/NDF: 41.7/44

In: -1.609+/-9.921 χ^2/NDF:56.1/42

Out: -22.916+/-9.635 χ^2/NDF:63.0/49

All: -12.574+/-6.912 χ^2/NDF: 121.4/92



Right In: 60.404+/-0.014 χ^2/NDF: 725150.9/19

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.420+/-0.014 χ^2/NDF: 1031813.4/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

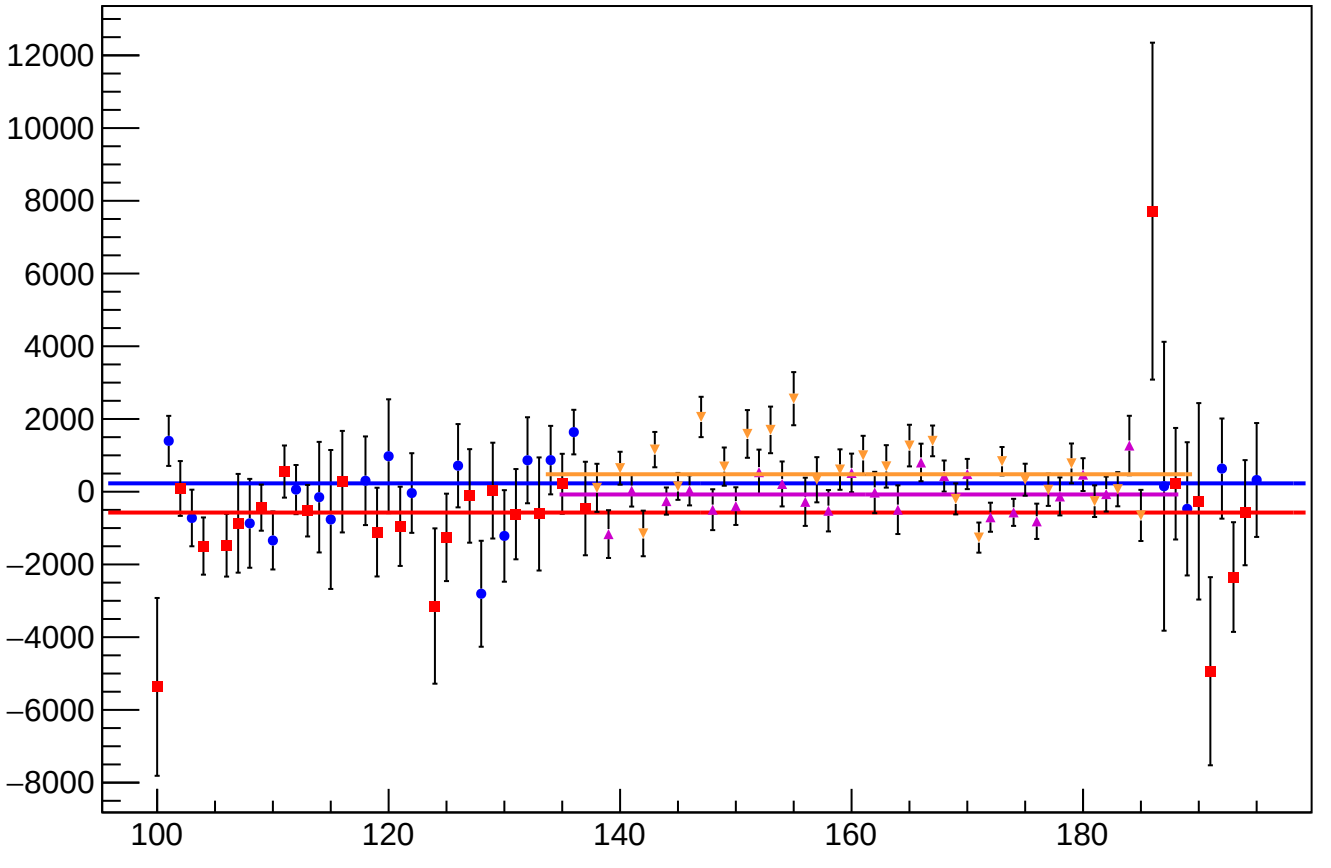
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 61.436+/-0.010 χ^2/NDF: 1767611.1/44

In: 51.411+/-0.007 χ^2/NDF:1974295.4/42

Out: 51.743+/-0.007 χ^2/NDF:2627507.1/49

All: 51.582+/-0.005 χ^2/NDF: 4602956.7/92



Right In: 229.780+/-232.612 χ^2/NDF: 21.9/19

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -573.074+/-219.336 χ^2/NDF: 21.1/24

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

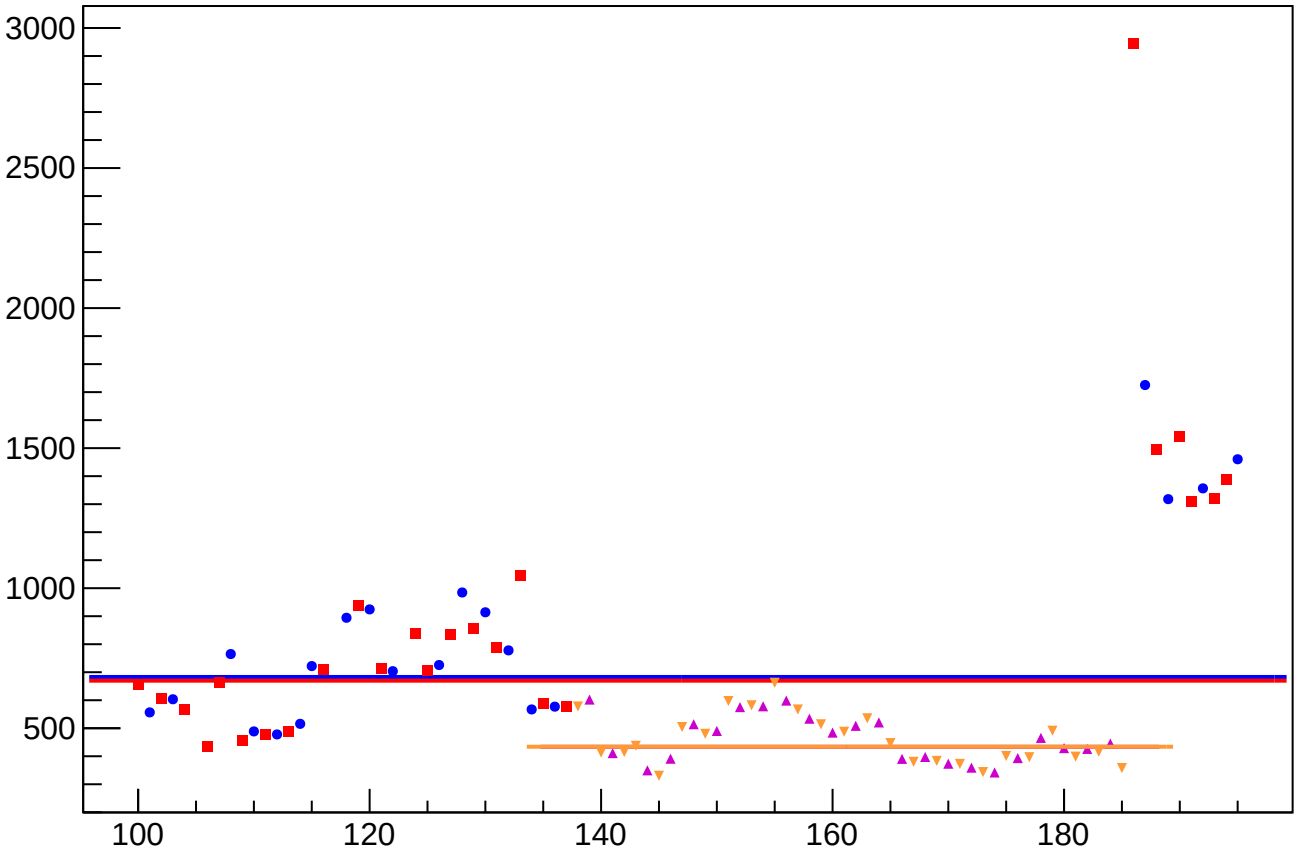
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -195.211+/-159.581 χ^2/NDF: 49.3/44

In: -25.490+/-94.278 χ^2/NDF:47.8/42

Out: 297.369+/-91.385 χ^2/NDF:109.3/49

All: 140.970+/-65.618 χ^2/NDF: 163.2/92



Right In: 683.053+/-0.164 χ^2/NDF: 2141379.6/19

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 669.821+/-0.155 χ^2/NDF: 3308386.3/24

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

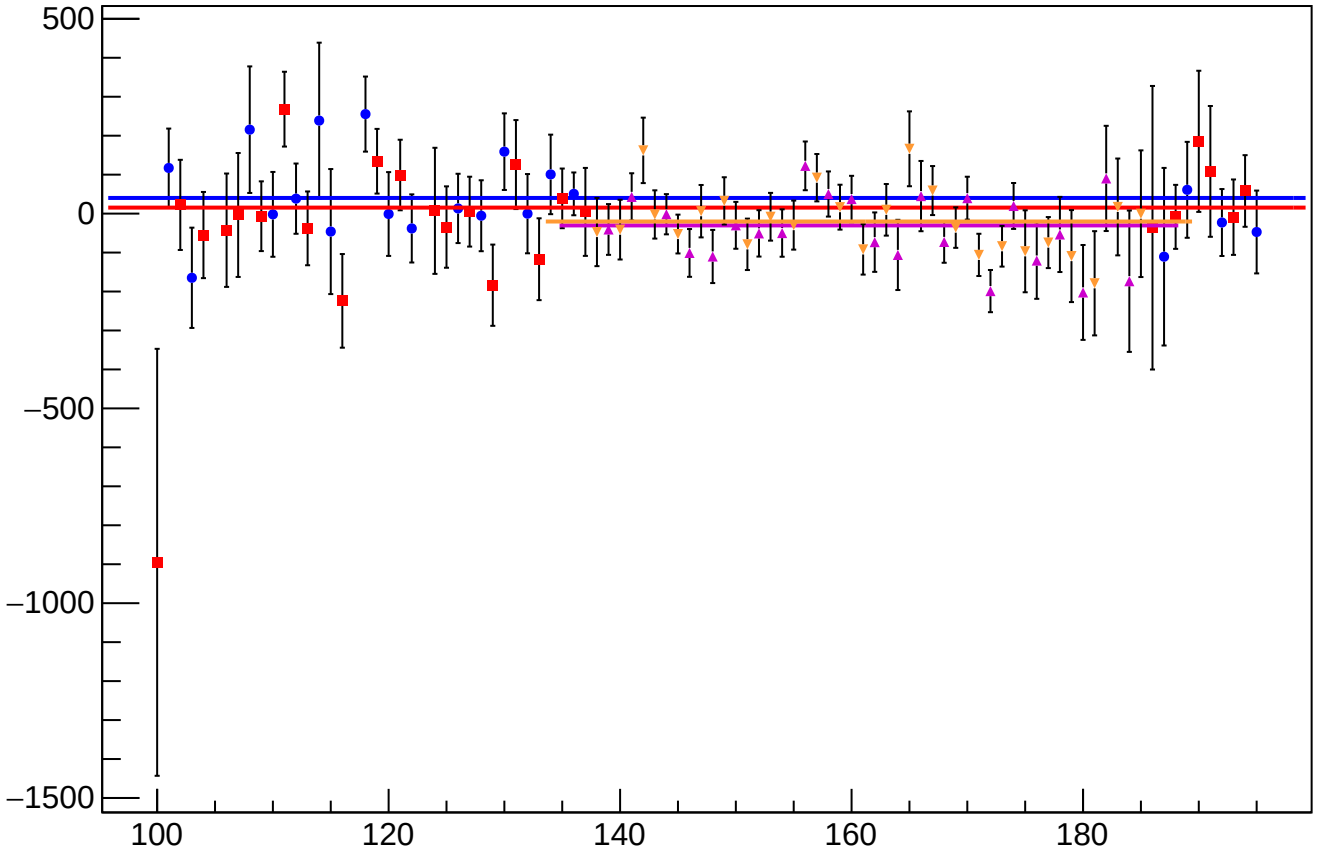
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 676.048+/-0.113 χ^2/NDF: 5453191.8/44

In: 474.679+/-0.067 χ^2/NDF:5156529.8/42

Out: 474.891+/-0.065 χ^2/NDF:6463573.4/49

All: 474.789+/-0.046 χ^2/NDF: 11620108.4/92



Right In: 40.182+/-22.495 χ^2/NDF: 15.7/19

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 15.401+/-21.633 χ^2/NDF: 25.6/24

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

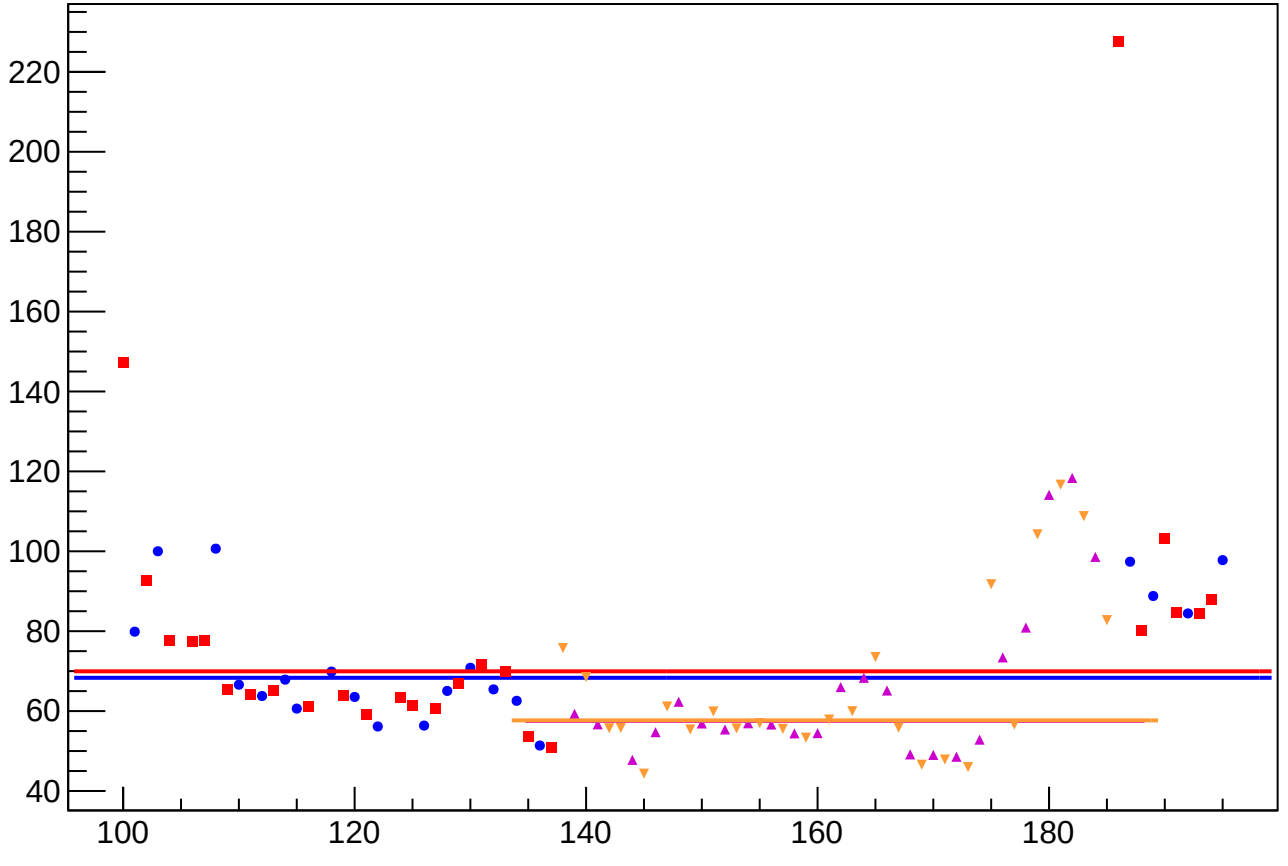
Right: 27.307+/-15.592 χ^2/NDF: 41.9/44

In: -10.678+/-11.873 χ^2/NDF:55.3/42

Out: -10.126+/-11.536 χ^2/NDF:52.7/49

All: -10.394+/-8.274 χ^2/NDF: 108.1/92

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 68.335+/-0.016 χ^2/NDF: 830461.6/19

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 69.956+/-0.015 χ^2/NDF: 1002426.4/24

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

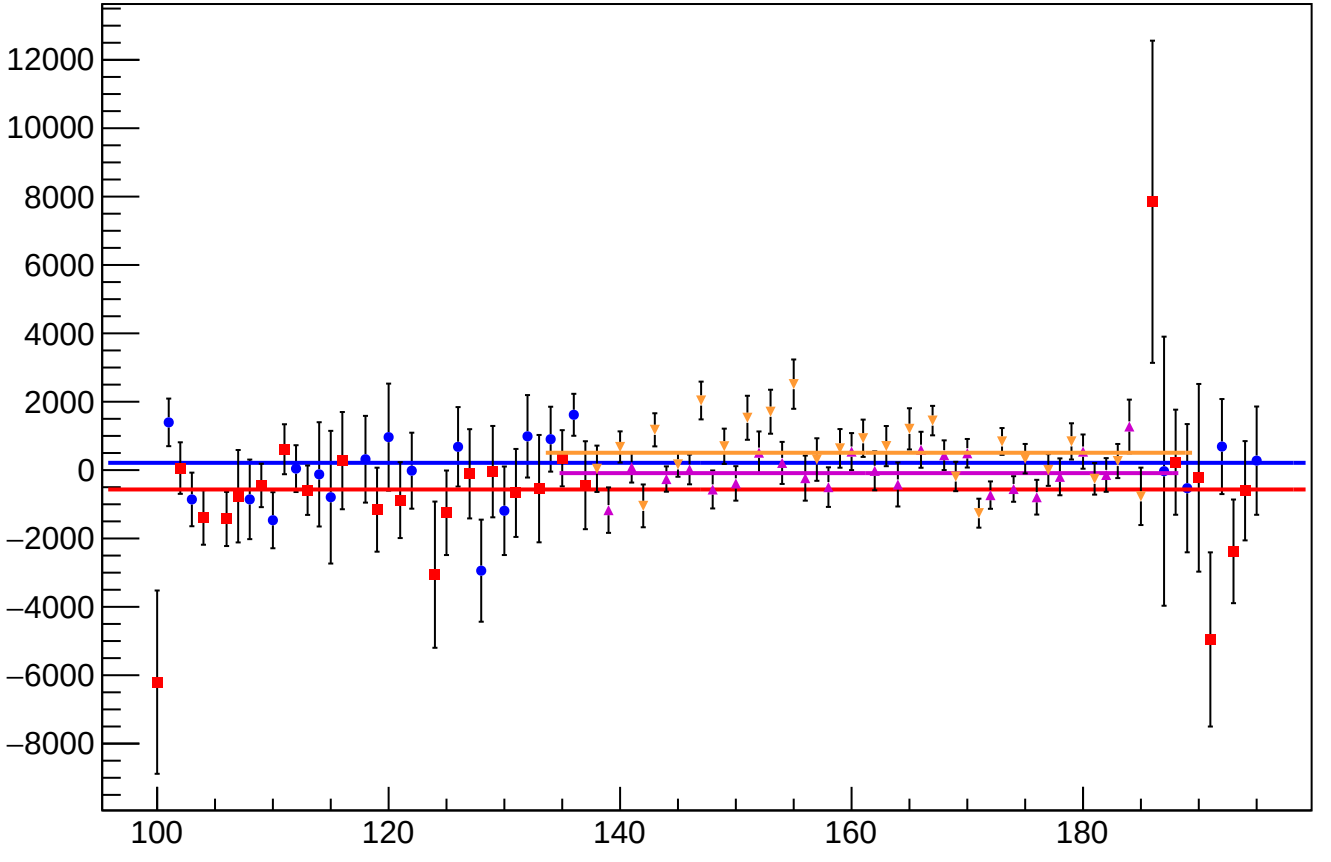
Right: 69.177+/-0.011 χ^2/NDF: 1838281.2/44

In: 60.547+/-0.008 χ^2/NDF:2606077.8/42

Out: 61.162+/-0.008 χ^2/NDF:3373976.5/49

All: 60.864+/-0.006 χ^2/NDF: 5982817.9/92

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 212.694+/-235.118 χ^2/NDF: 22.7/19

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -566.632+/-220.213 χ^2/NDF: 21.7/24

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

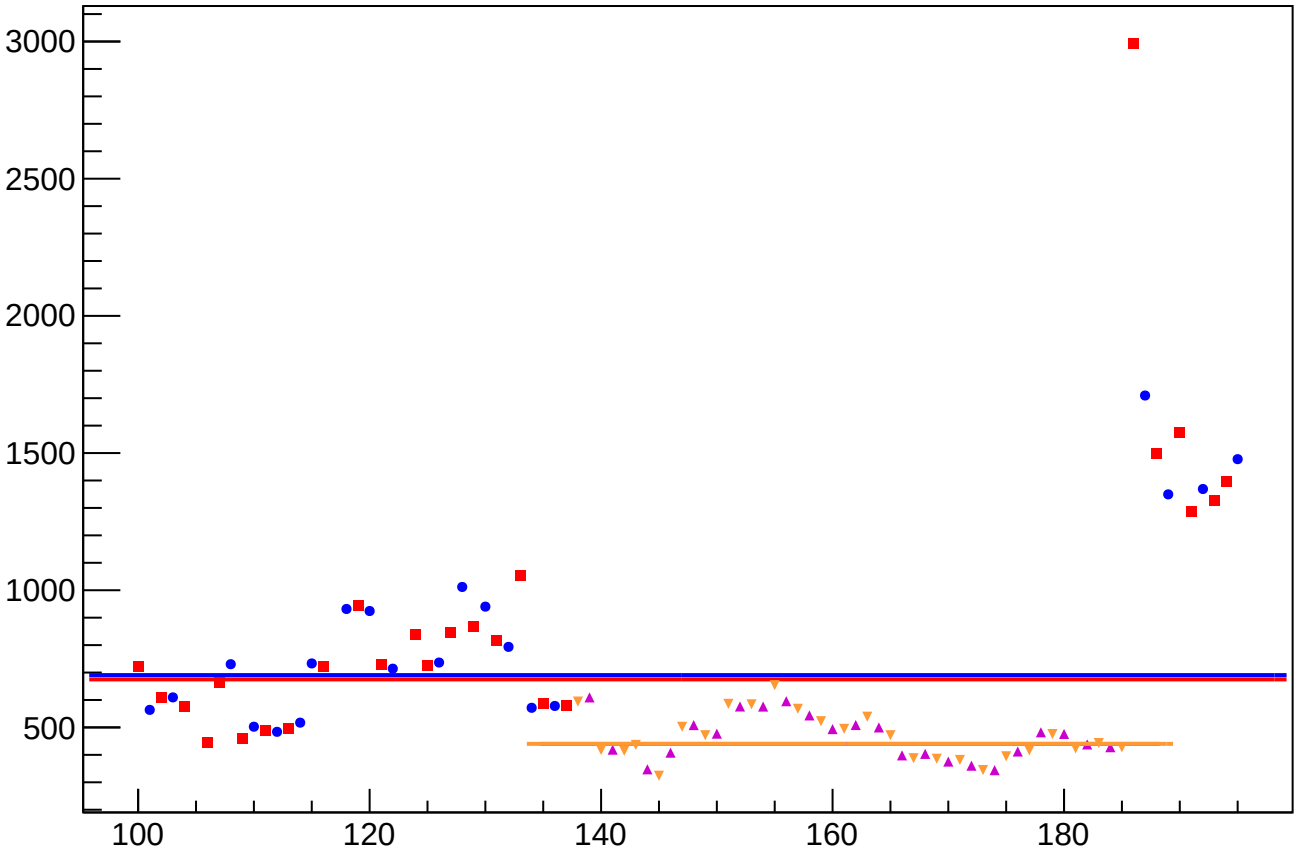
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -202.452+/-160.725 χ^2/NDF: 50.3/44

In: -38.759+/-95.525 χ^2/NDF:47.4/42

Out: 318.174+/-92.386 χ^2/NDF:107.1/49

All: 145.666+/-66.409 χ^2/NDF: 161.7/92



Right In: 690.705+/-0.166 χ^2/NDF: 2156452.0/19

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 674.965+/-0.156 χ^2/NDF: 3320426.5/24

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

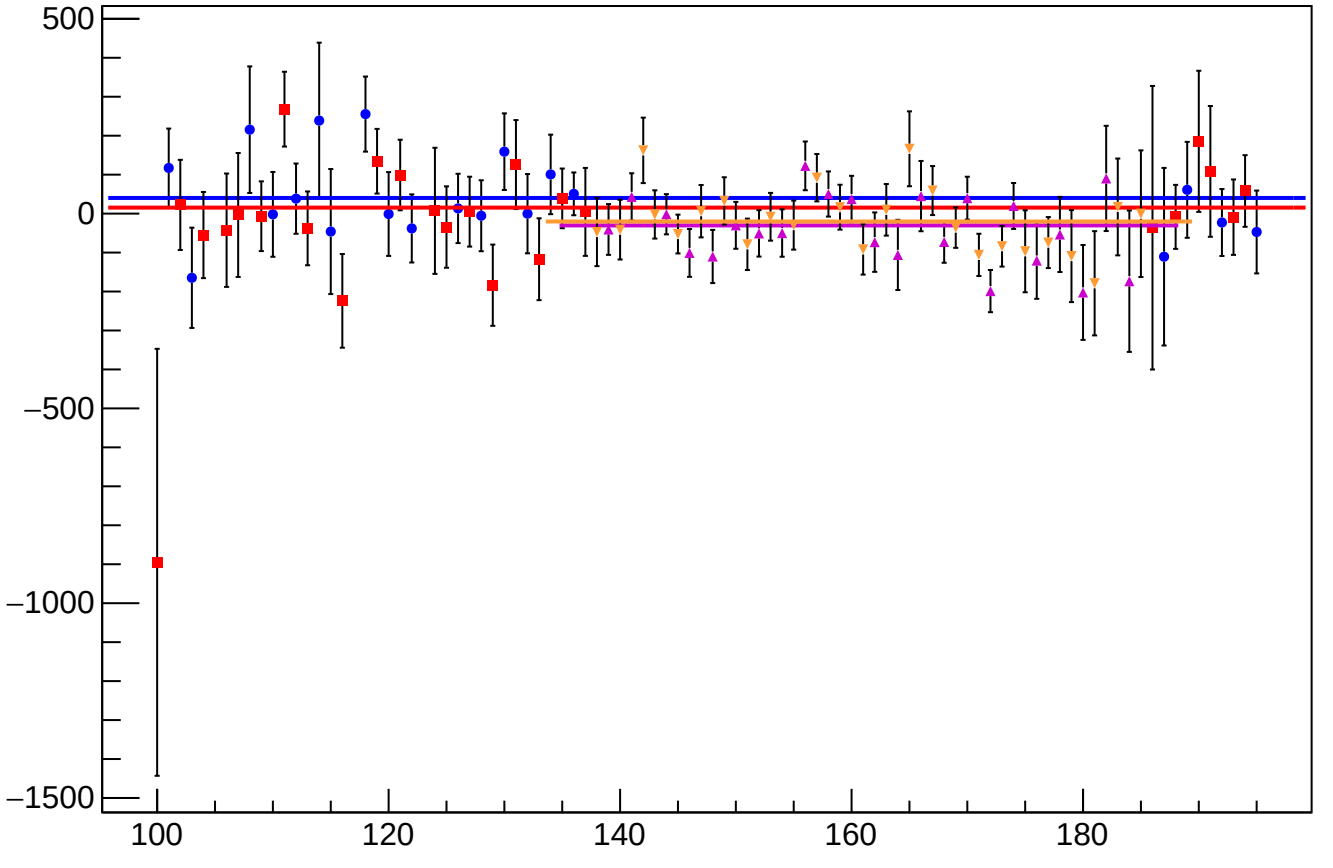
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 682.320+/-0.114 χ^2/NDF: 5481653.3/44

In: 481.280+/-0.068 χ^2/NDF:5118834.1/42

Out: 481.418+/-0.065 χ^2/NDF:6392381.2/49

All: 481.351+/-0.047 χ^2/NDF: 11511217.5/92



Right In: 40.181+/-22.495 χ^2/NDF: 15.7/19

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 15.401+/-21.633 χ^2/NDF: 25.6/24

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

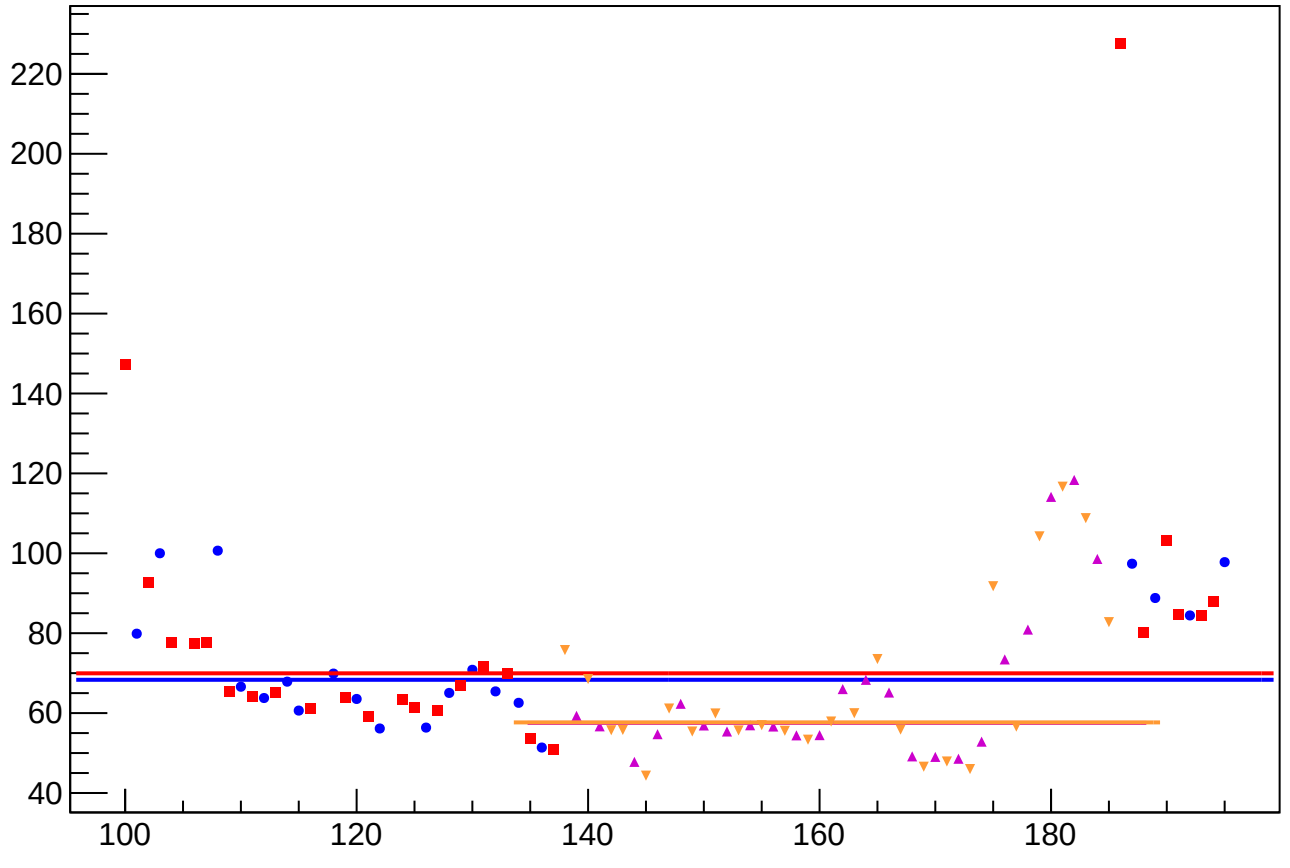
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 27.307+/-15.592 χ^2/NDF: 41.9/44

In: -10.678+/-11.873 χ^2/NDF:55.3/42

Out: -10.127+/-11.536 χ^2/NDF:52.7/49

All: -10.394+/-8.274 χ^2/NDF: 108.1/92



Right In: 68.335+/-0.016 χ^2/NDF: 830456.8/19

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 69.956+/-0.015 χ^2/NDF: 1002437.2/24

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

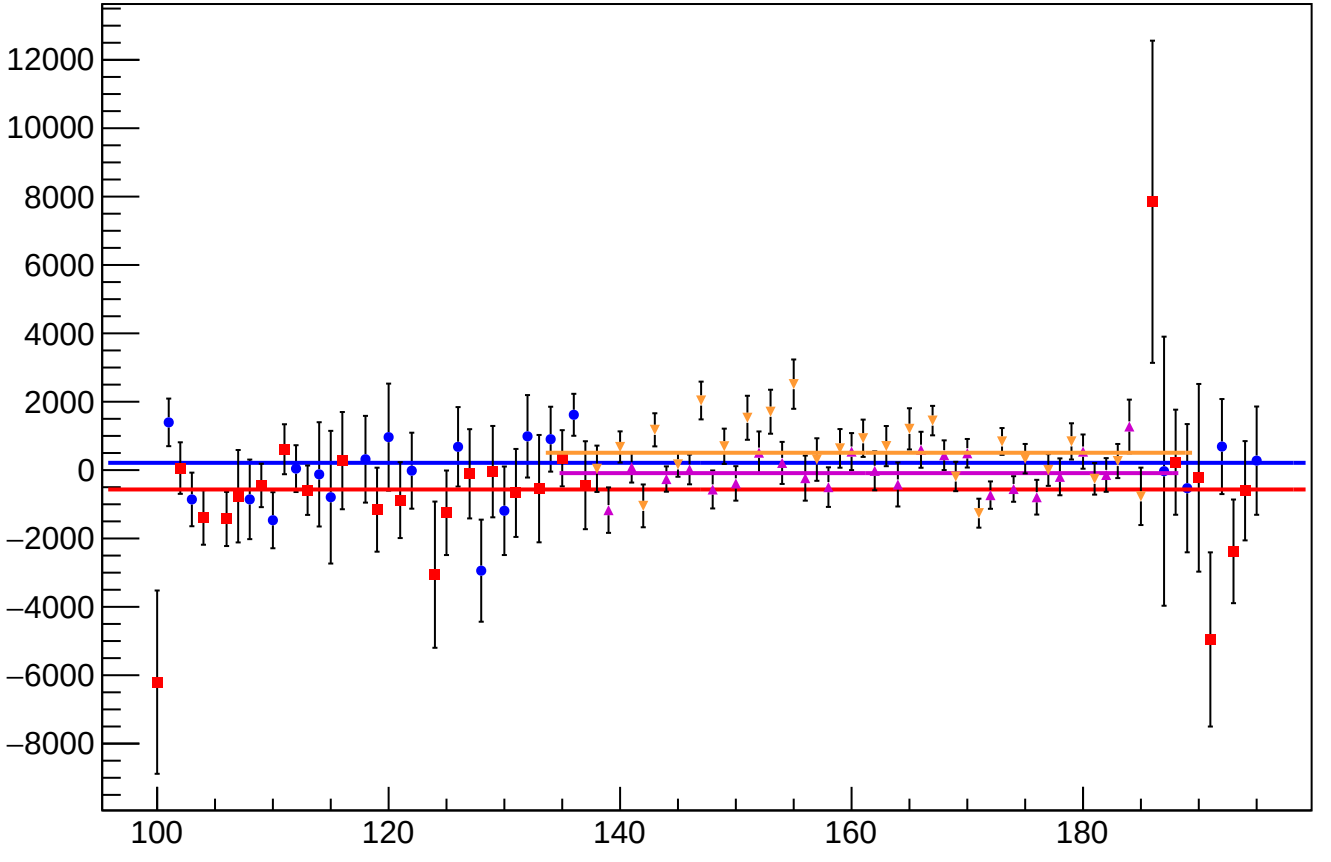
Right: 69.177+/-0.011 χ^2/NDF: 1838287.0/44

In: 60.547+/-0.008 χ^2/NDF:2606046.1/42

Out: 61.162+/-0.008 χ^2/NDF:3373964.6/49

All: 60.864+/-0.006 χ^2/NDF: 5982774.6/92

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 212.693+/-235.118 χ^2/NDF: 22.7/19

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -566.631+/-220.213 χ^2/NDF: 21.7/24

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

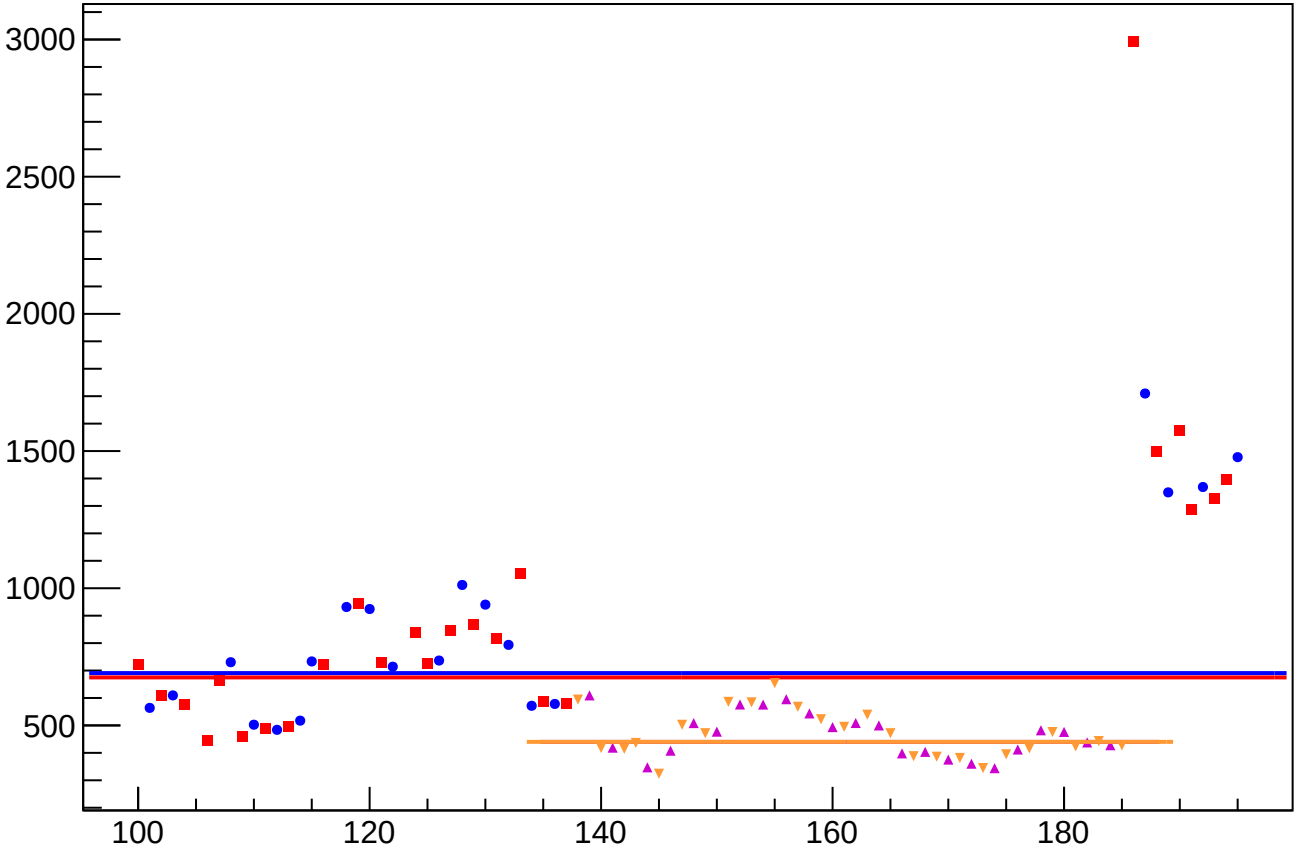
Right: -202.452+/-160.725 χ^2/NDF: 50.3/44

In: -38.759+/-95.524 χ^2/NDF:47.4/42

Out: 318.173+/-92.386 χ^2/NDF:107.1/49

All: 145.666+/-66.409 χ^2/NDF: 161.7/92

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 690.704+/-0.166 χ^2/NDF: 2156455.2/19

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 674.964+/-0.156 χ^2/NDF: 3320427.0/24

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

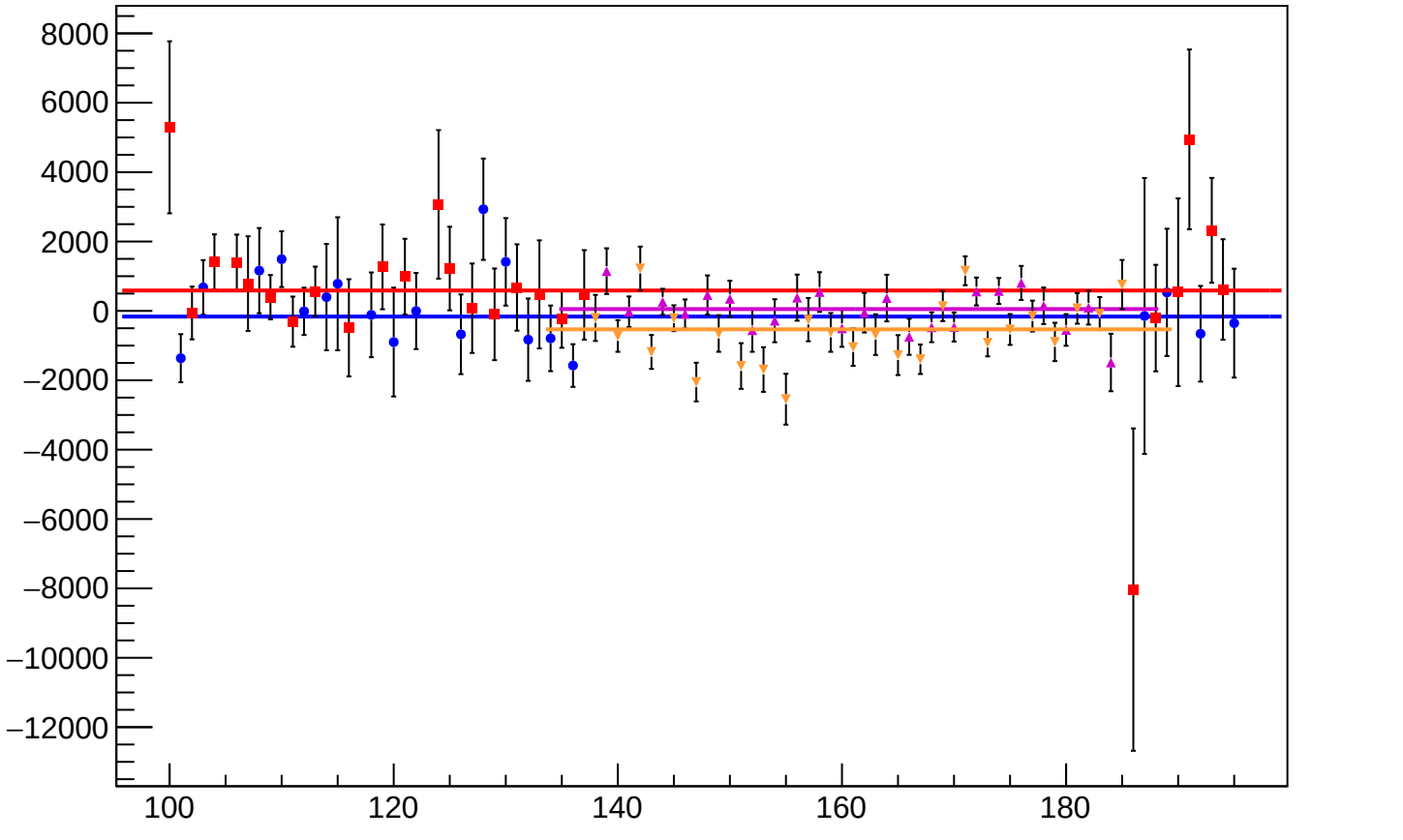
Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

Right: 682.319+/-0.114 χ^2/NDF: 5481657.0/44

In: 481.279+/-0.068 χ^2/NDF:5118854.7/42

Out: 481.416+/-0.065 χ^2/NDF:6392399.6/49

All: 481.350+/-0.047 χ^2/NDF: 11511256.4/92



Right In: -163.274+/-233.868 χ^2/NDF: 22.8/19

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 587.795+/-219.485 χ^2/NDF: 20.0/24

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

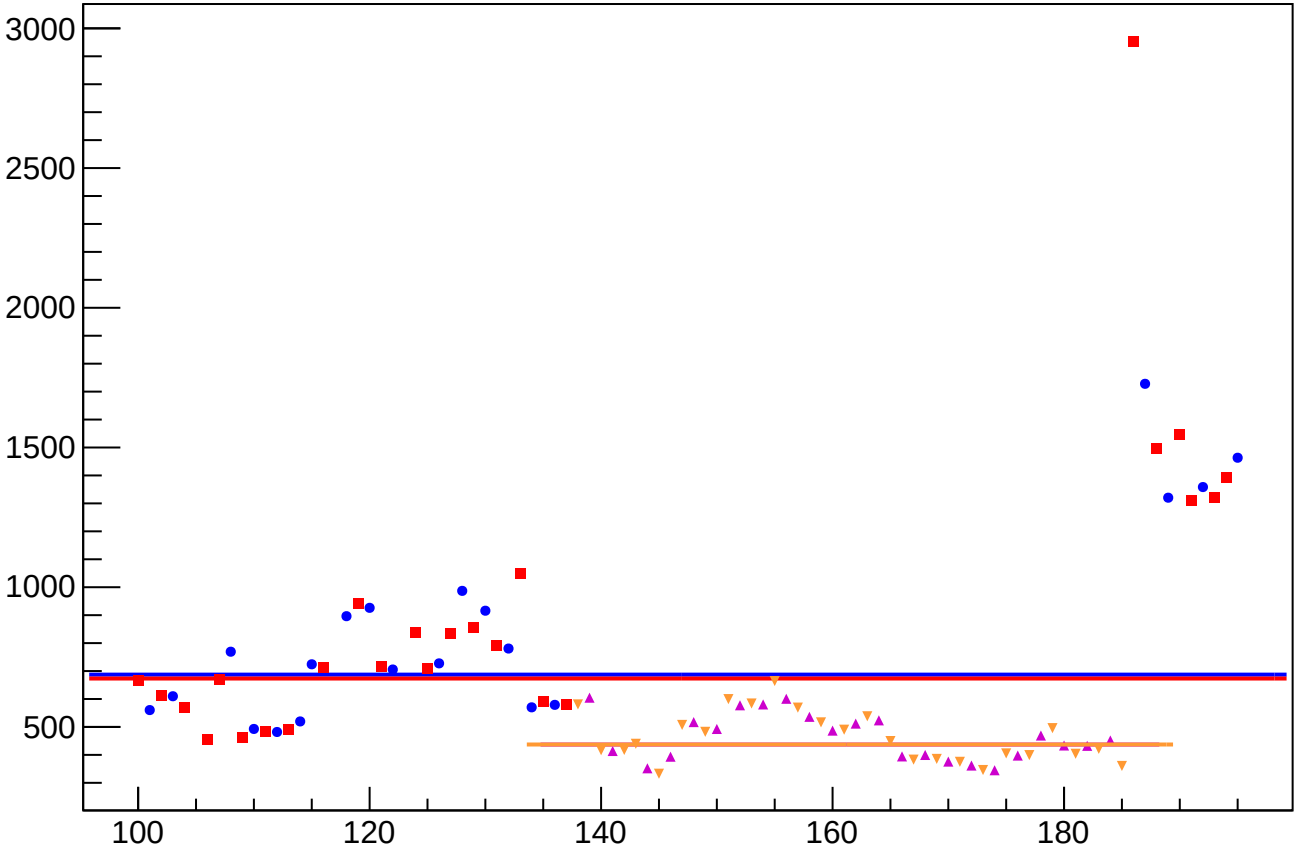
Right: 236.065+/-160.043 χ^2/NDF: 48.3/44

In: 16.994+/-94.928 χ^2/NDF:47.6/42

Out: -335.176+/-91.935 χ^2/NDF:107.0/49

All: -164.730+/-66.041 χ^2/NDF: 161.7/92

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 687.212+/-0.165 χ^2/NDF: 2118945.1/19

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 673.237+/-0.155 χ^2/NDF: 3275207.1/24

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

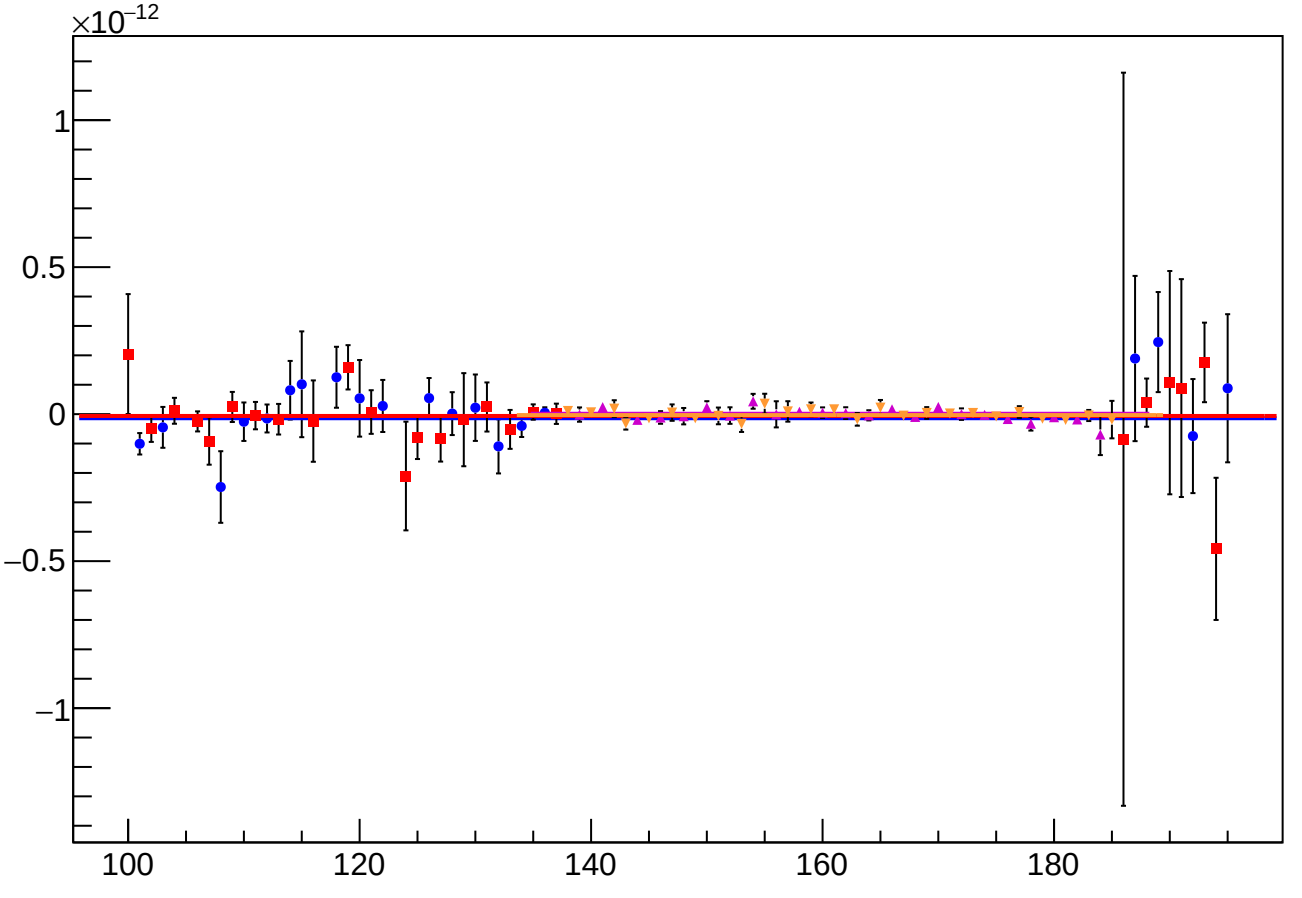
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 679.781+/-0.113 χ^2/NDF: 5397949.2/44

In: 478.172+/-0.067 χ^2/NDF:5112057.1/42

Out: 478.577+/-0.065 χ^2/NDF:6410558.5/49

All: 478.381+/-0.047 χ^2/NDF: 11522634.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/24

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

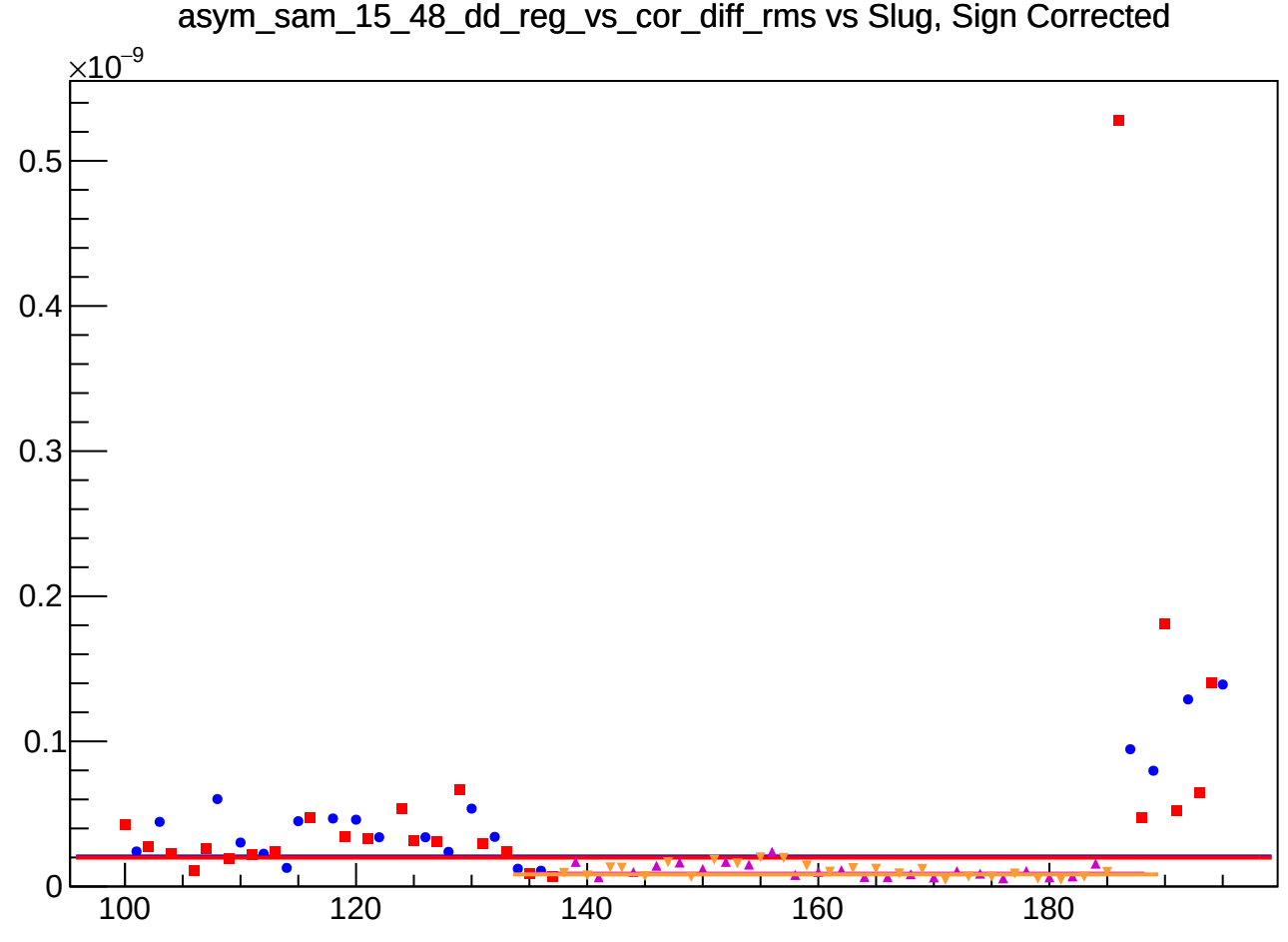
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 39.0/44

In: 0.000+/-0.000 χ^2/NDF:43.4/42

Out: -0.000+/-0.000 χ^2/NDF:33.1/49

All: -0.000+/-0.000 χ^2/NDF: 77.1/92



Right In: 0.000+/-0.000 χ^2/NDF: 3198545.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3116401.6/24

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

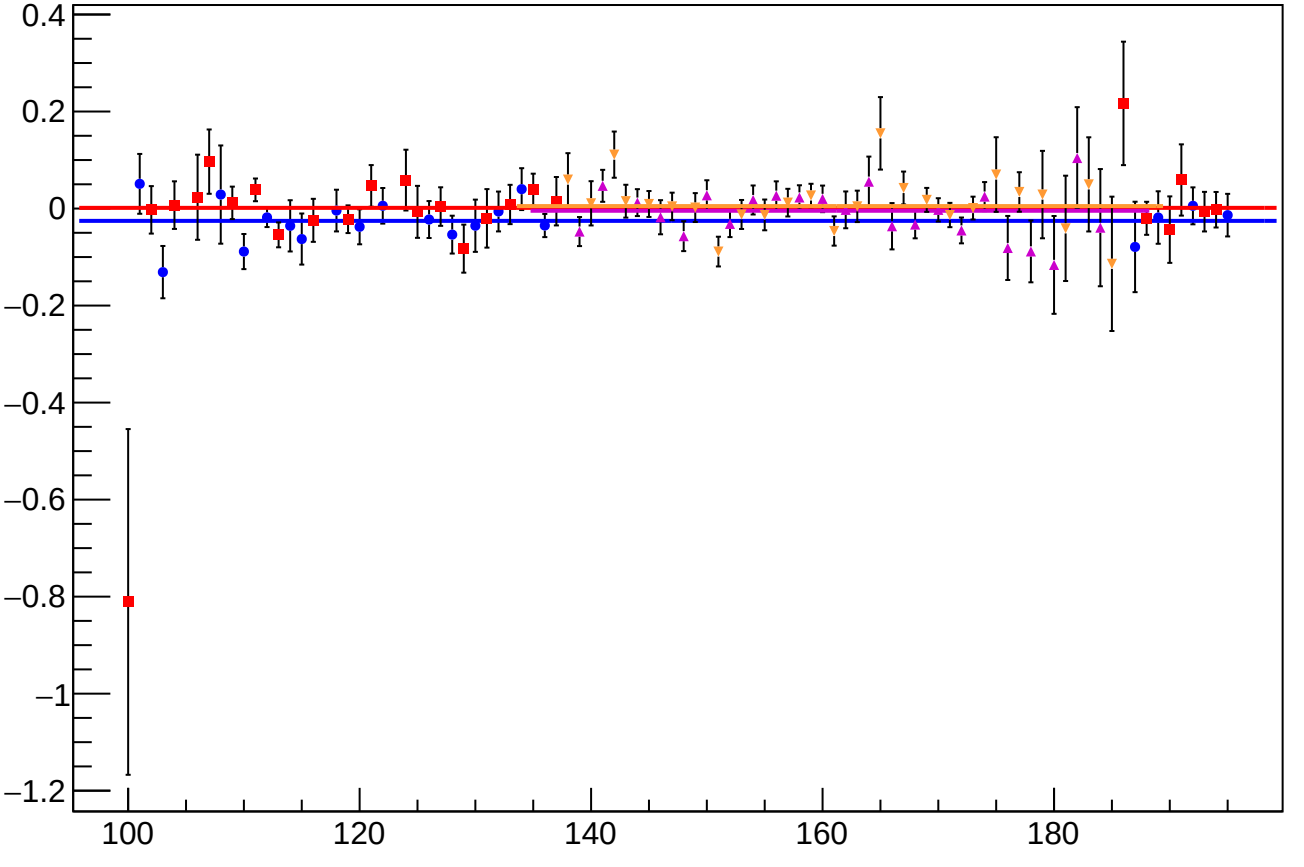
Right: 0.000+/-0.000 χ^2/NDF: 6319165.7/44

In: 0.000+/-0.000 χ^2/NDF:6496222.0/42

Out: 0.000+/-0.000 χ^2/NDF:7047480.6/49

All: 0.000+/-0.000 χ^2/NDF: 13568846.0/92

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

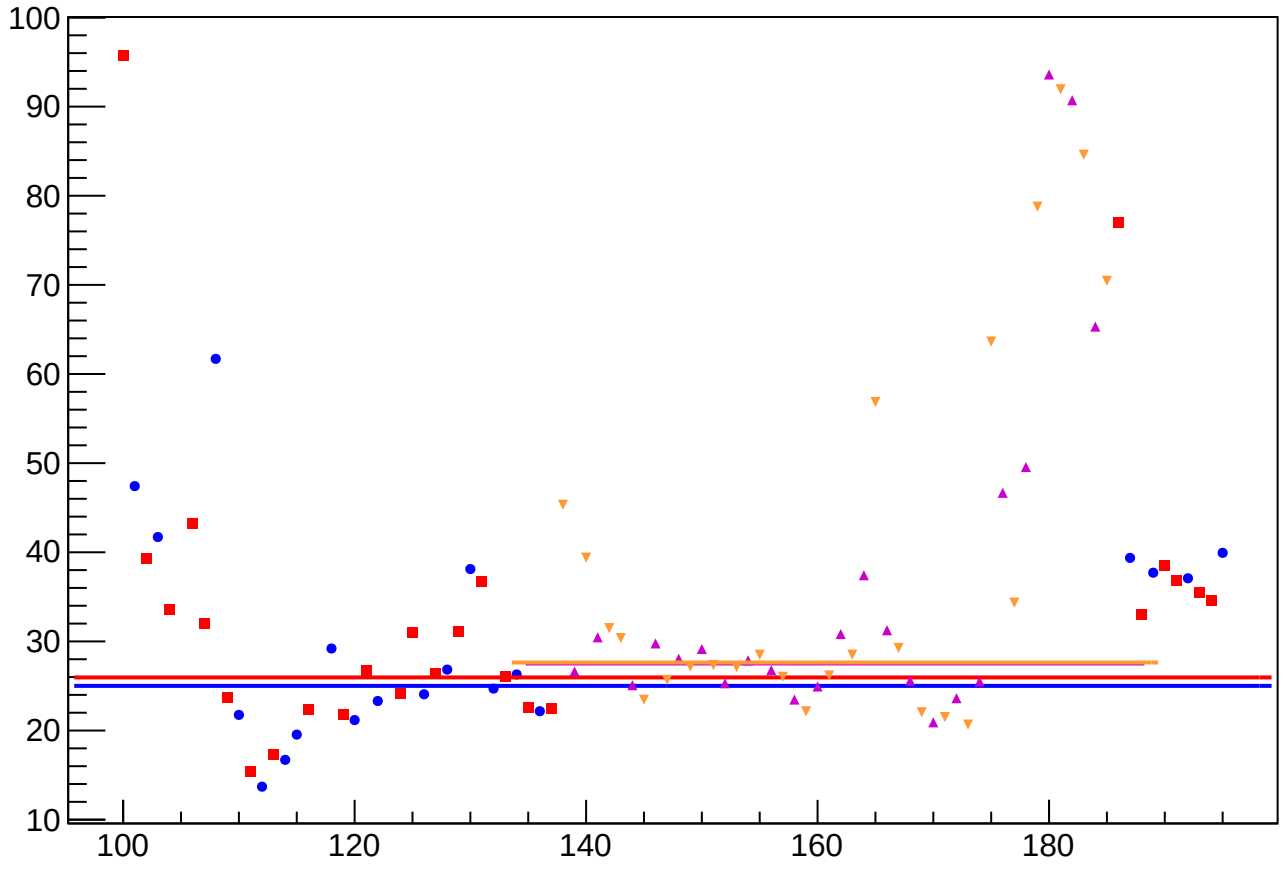
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.011+/-0.006 χ^2/NDF: 46.1/44

In: -0.013+/-0.005 χ^2/NDF:43.4/42

Out: 0.004+/-0.005 χ^2/NDF:55.0/49

All: -0.004+/-0.004 χ^2/NDF: 102.9/92



Right In: 25.012+/-0.006 χ^2/NDF: 2239948.3/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 25.959+/-0.006 χ^2/NDF: 1947056.7/24

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

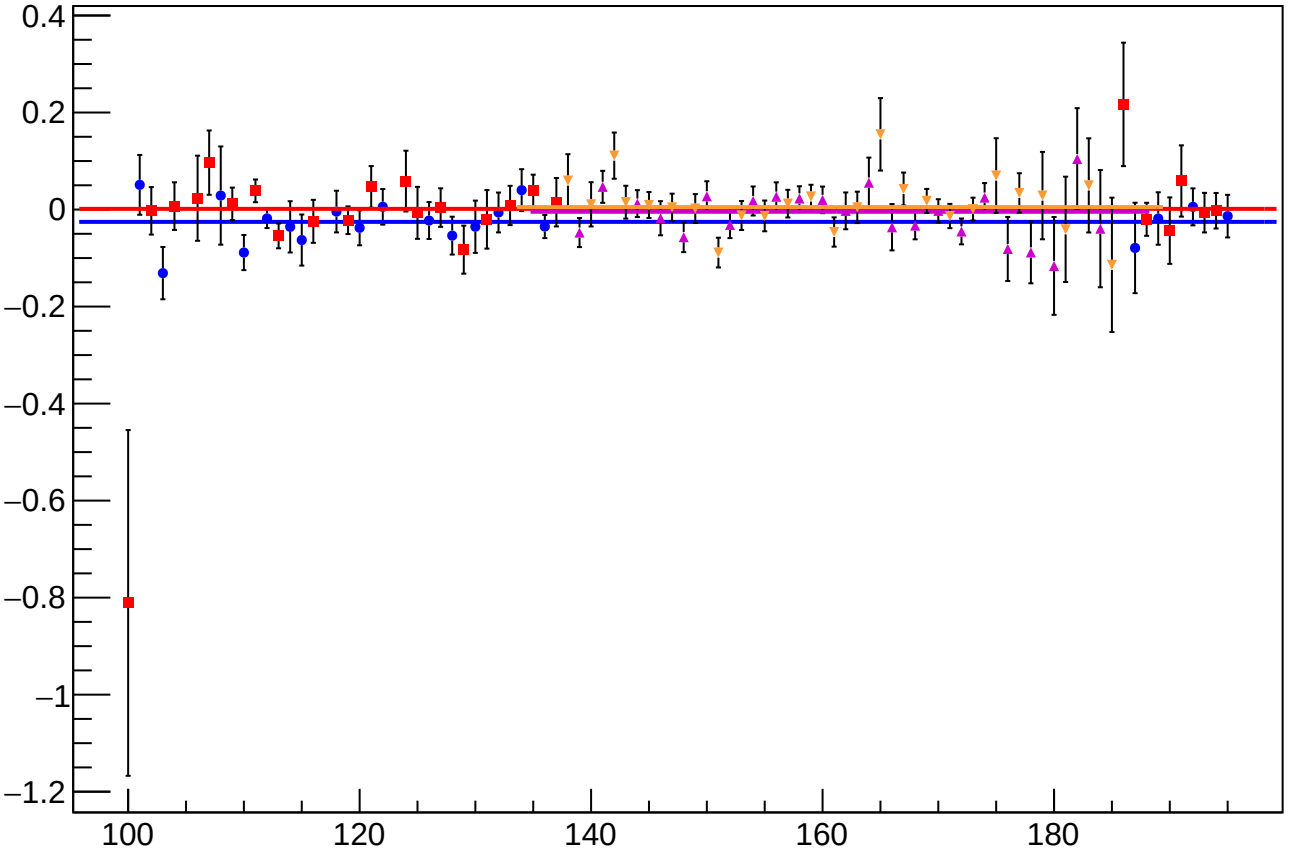
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 25.507+/-0.004 χ^2/NDF: 4199195.1/44

In: 26.550+/-0.004 χ^2/NDF:4974924.1/42

Out: 26.963+/-0.004 χ^2/NDF:5969132.8/49

All: 26.763+/-0.003 χ^2/NDF: 10949958.2/92



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

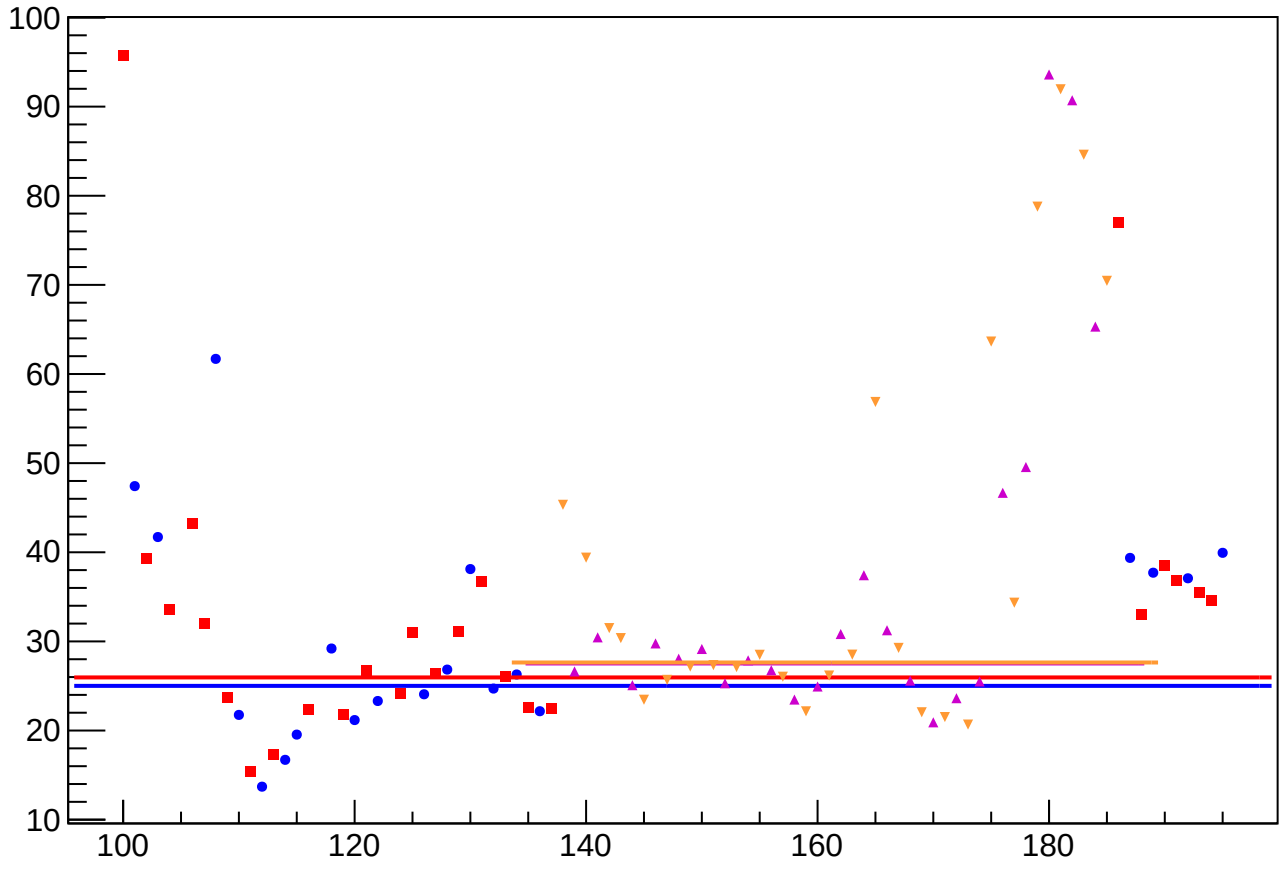
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.011+/-0.006 χ^2/NDF: 46.1/44

In: -0.013+/-0.005 χ^2/NDF:43.4/42

Out: 0.004+/-0.005 χ^2/NDF:55.0/49

All: -0.004+/-0.004 χ^2/NDF: 102.9/92



Right In: 25.012+/-0.006 χ^2/NDF: 2239948.3/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 25.959+/-0.006 χ^2/NDF: 1947056.7/24

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

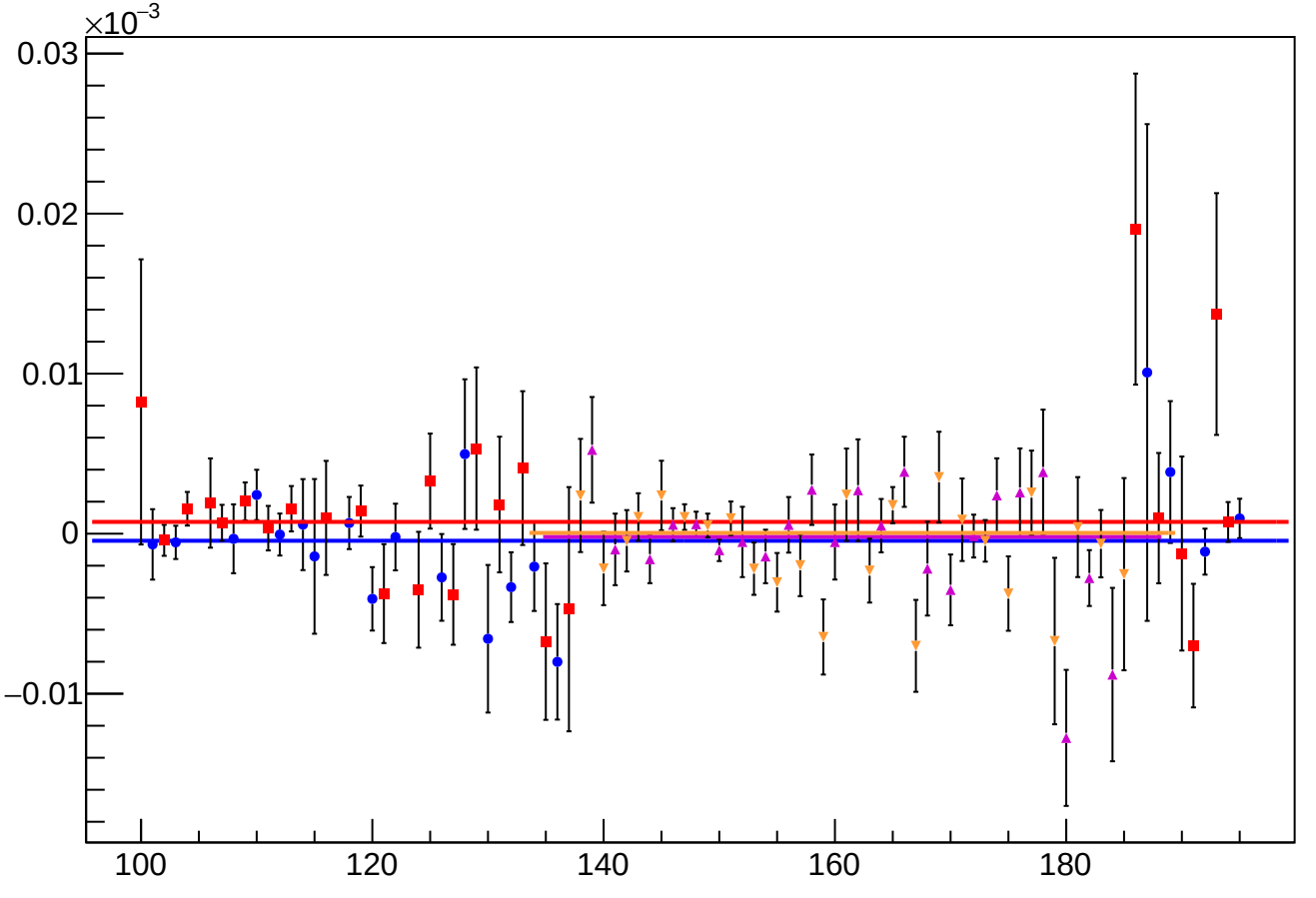
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 25.507+/-0.004 χ^2/NDF: 4199195.1/44

In: 26.550+/-0.004 χ^2/NDF:4974924.1/42

Out: 26.963+/-0.004 χ^2/NDF:5969132.8/49

All: 26.763+/-0.003 χ^2/NDF: 10949958.2/92



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

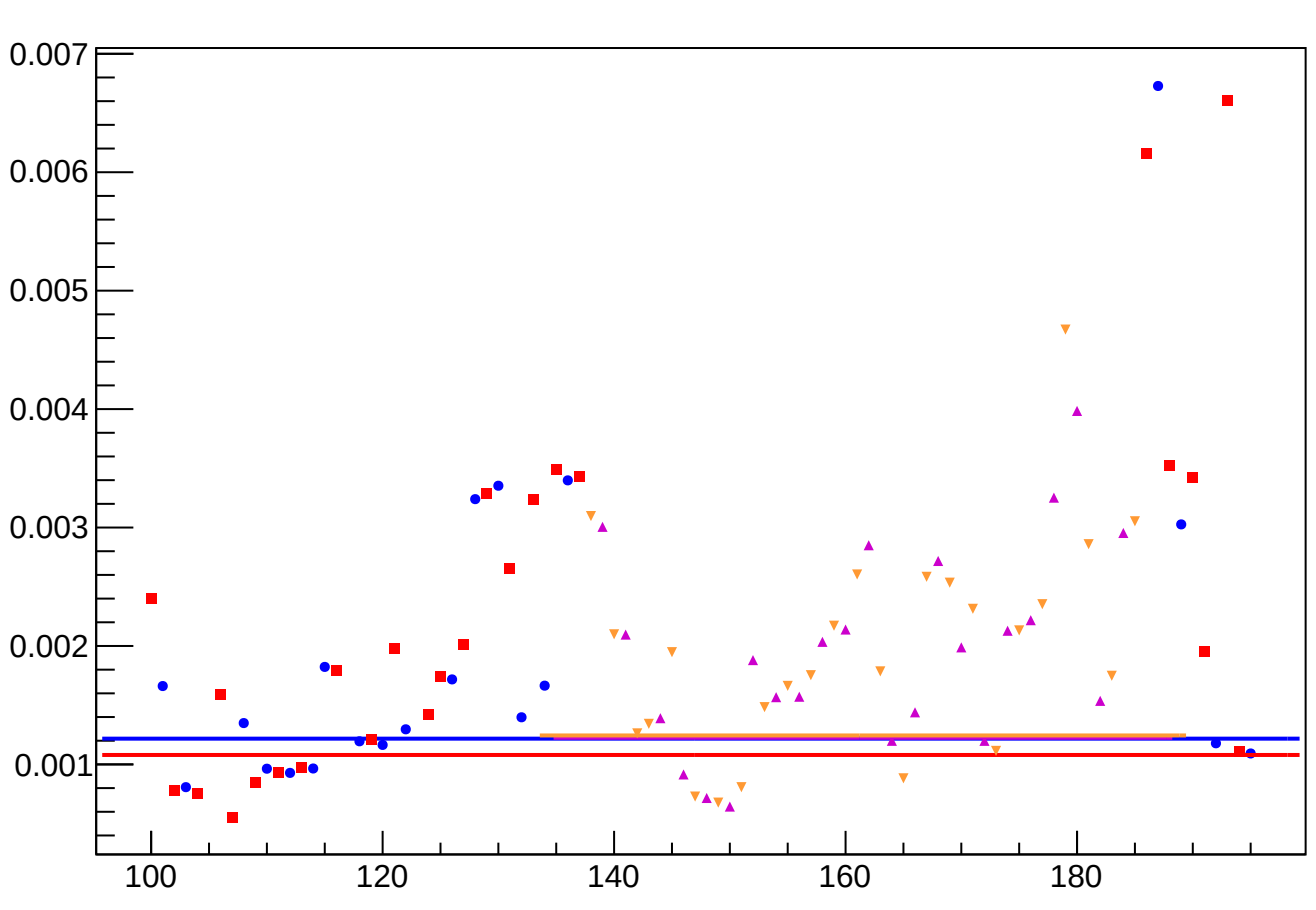
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.5/44

In: -0.000+/-0.000 χ^2/NDF:54.1/42

Out: 0.000+/-0.000 χ^2/NDF:64.6/49

All: 0.000+/-0.000 χ^2/NDF: 121.6/92



Right In: 0.001+/-0.000 χ^2/NDF: 2874859.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6085556.1/24

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

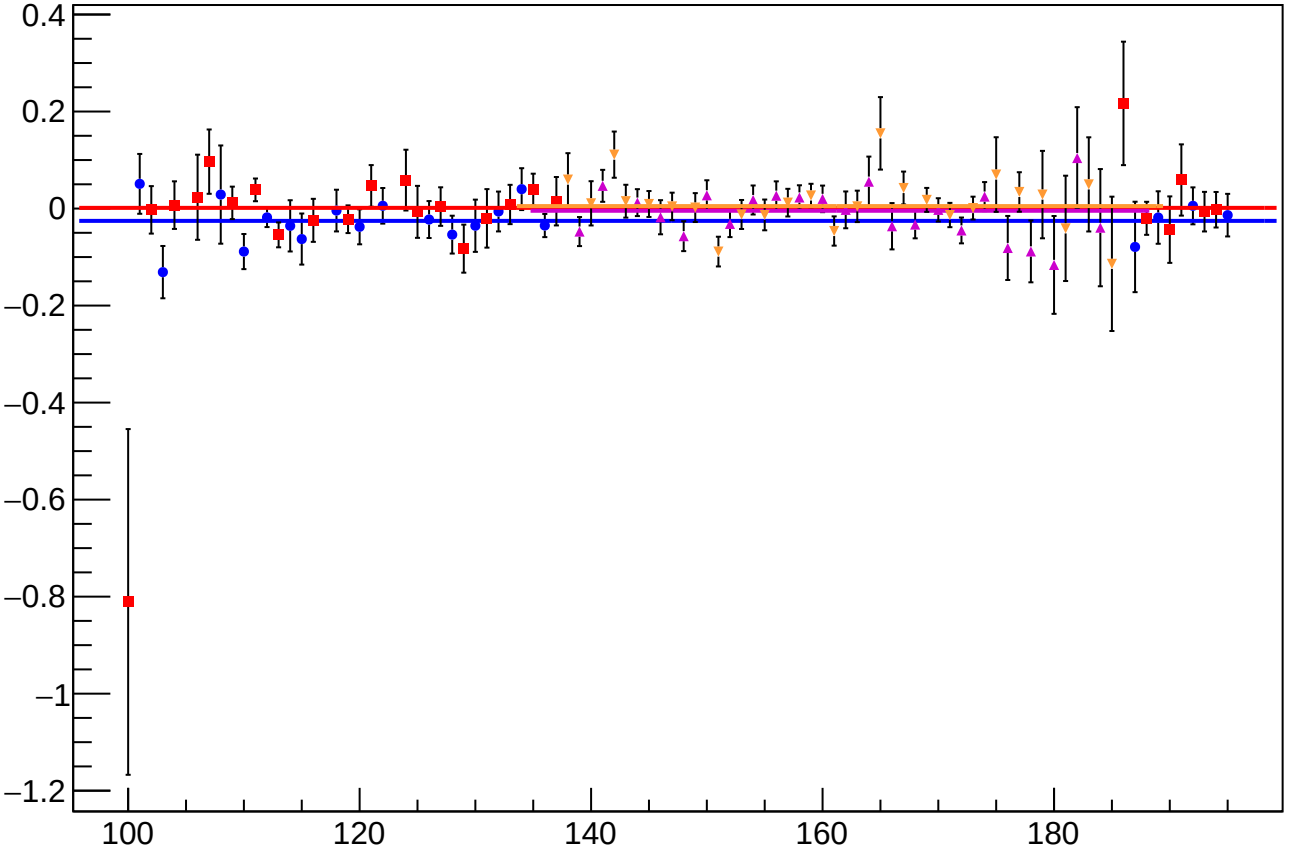
Right: 0.001+/-0.000 χ^2/NDF: 9070294.9/44

In: 0.001+/-0.000 χ^2/NDF:10698108.2/42

Out: 0.001+/-0.000 χ^2/NDF:14636399.1/49

All: 0.001+/-0.000 χ^2/NDF: 25365220.6/92

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

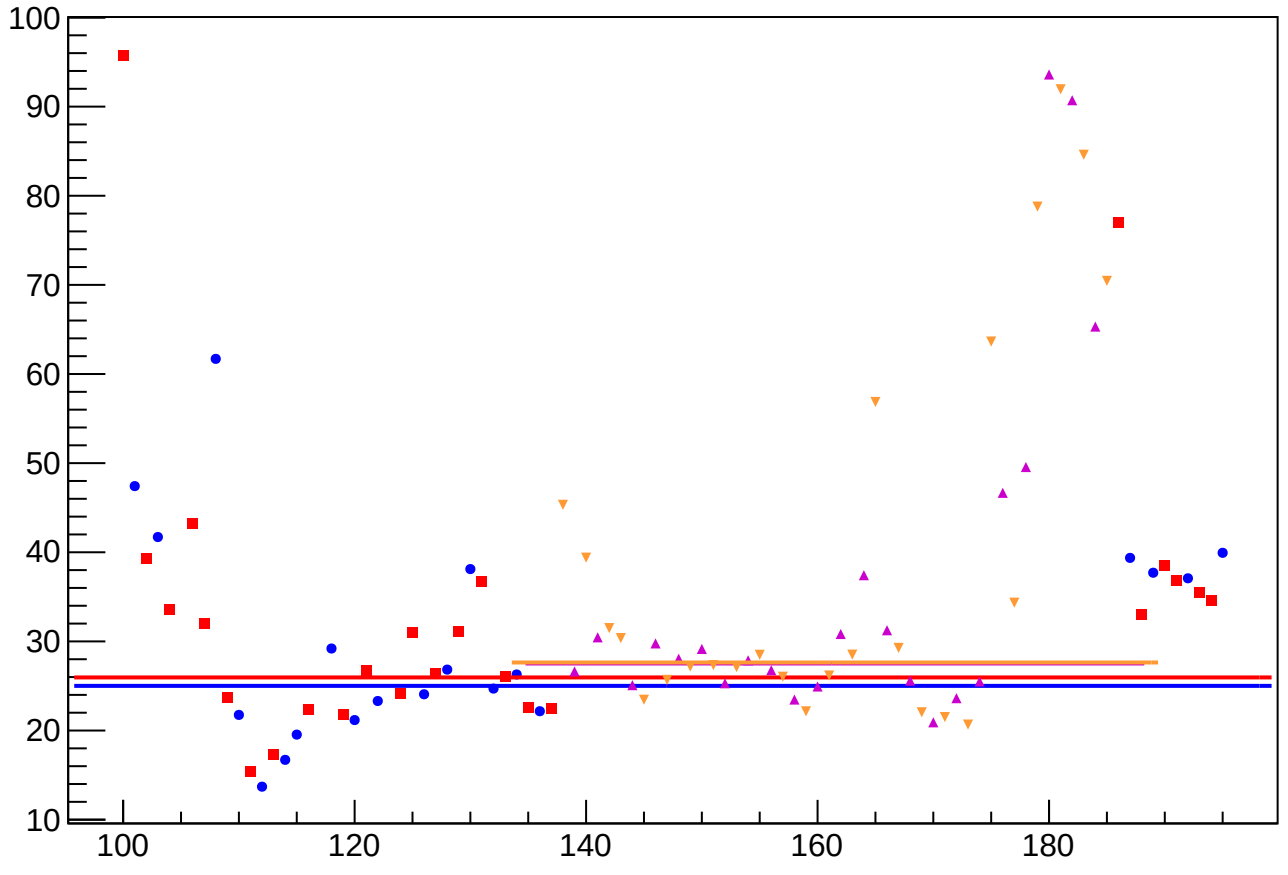
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.011+/-0.006 χ^2/NDF: 46.1/44

In: -0.013+/-0.005 χ^2/NDF:43.4/42

Out: 0.004+/-0.005 χ^2/NDF:55.0/49

All: -0.004+/-0.004 χ^2/NDF: 102.9/92



Right In: 25.012+/-0.006 χ^2/NDF: 2239962.7/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 25.958+/-0.006 χ^2/NDF: 1947142.1/24

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

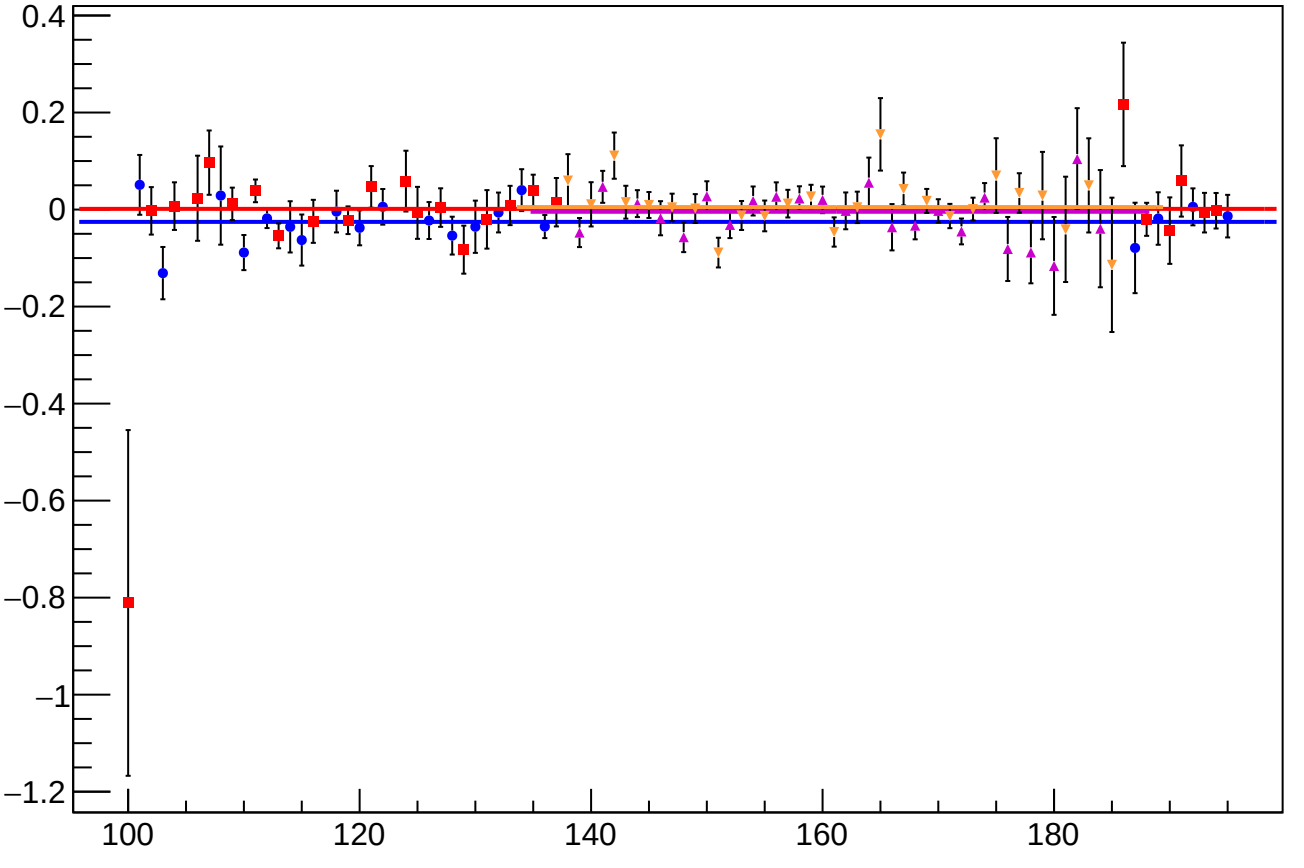
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 25.507+/-0.004 χ^2/NDF: 4199294.7/44

In: 26.550+/-0.004 χ^2/NDF:4974939.3/42

Out: 26.963+/-0.004 χ^2/NDF:5969190.9/49

All: 26.763+/-0.003 χ^2/NDF: 10950033.6/92



Right In: -0.025+/-0.009 χ^2/NDF: 14.8/19

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

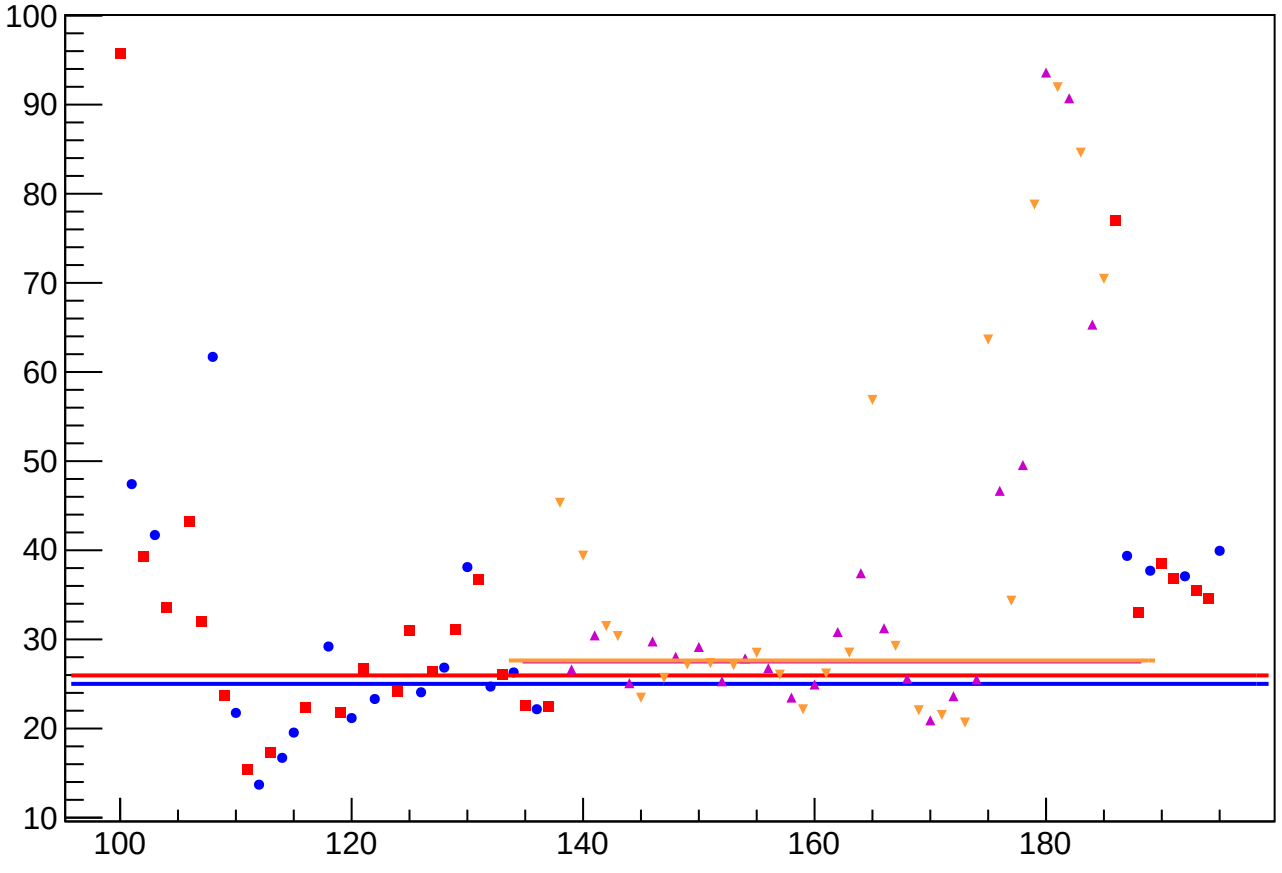
Right: -0.011+/-0.006 χ^2/NDF: 46.1/44

In: -0.013+/-0.005 χ^2/NDF:43.4/42

Out: 0.004+/-0.005 χ^2/NDF:55.0/49

All: -0.004+/-0.004 χ^2/NDF: 102.9/92

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.012+/-0.006 χ^2/NDF: 2239962.7/19

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 25.958+/-0.006 χ^2/NDF: 1947142.1/24

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

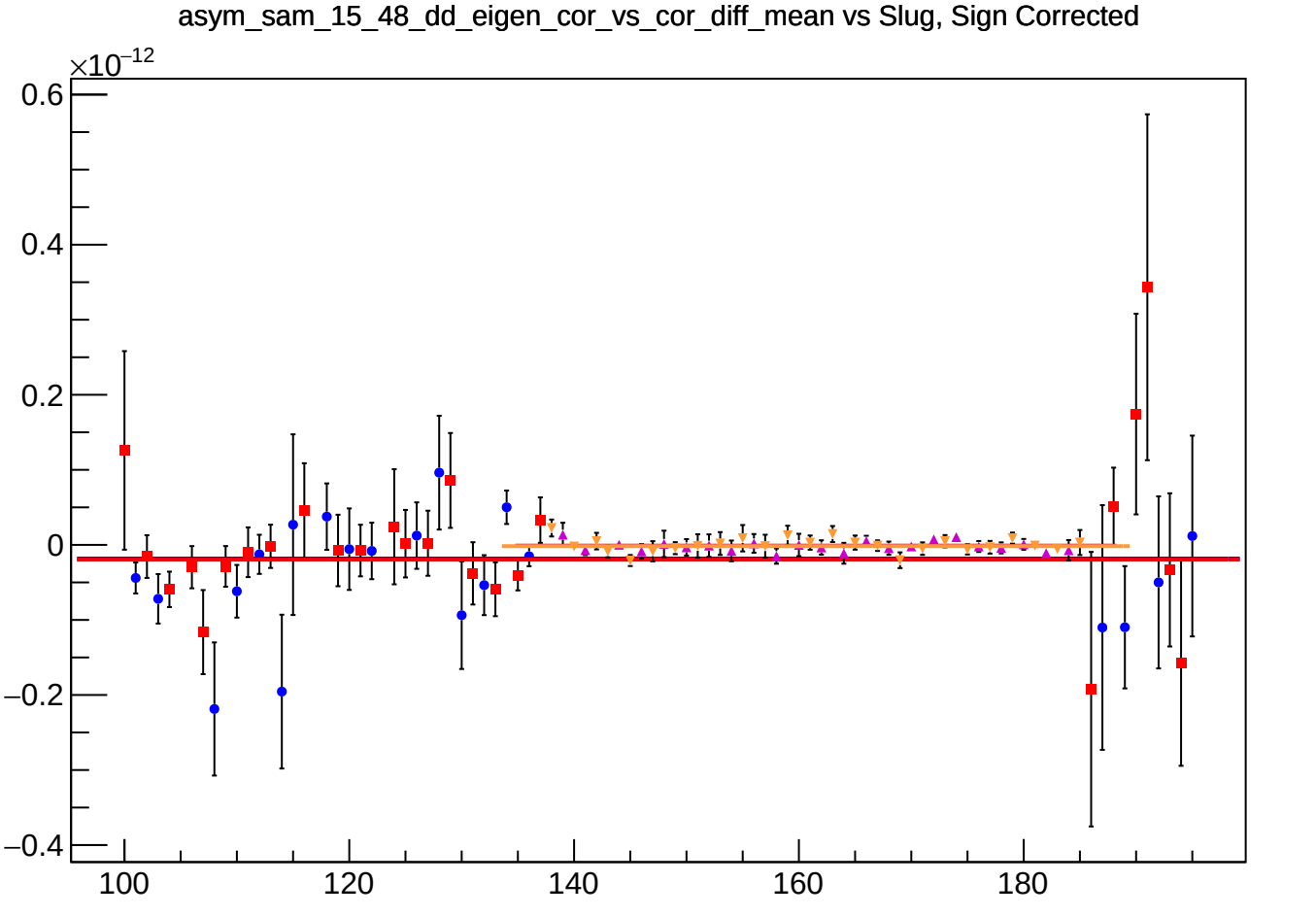
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 25.507+/-0.004 χ^2/NDF: 4199294.7/44

In: 26.550+/-0.004 χ^2/NDF:4974939.3/42

Out: 26.963+/-0.004 χ^2/NDF:5969190.9/49

All: 26.763+/-0.003 χ^2/NDF: 10950033.6/92



Right In: -0.000+/-0.000 χ^2/NDF: 31.6/19

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

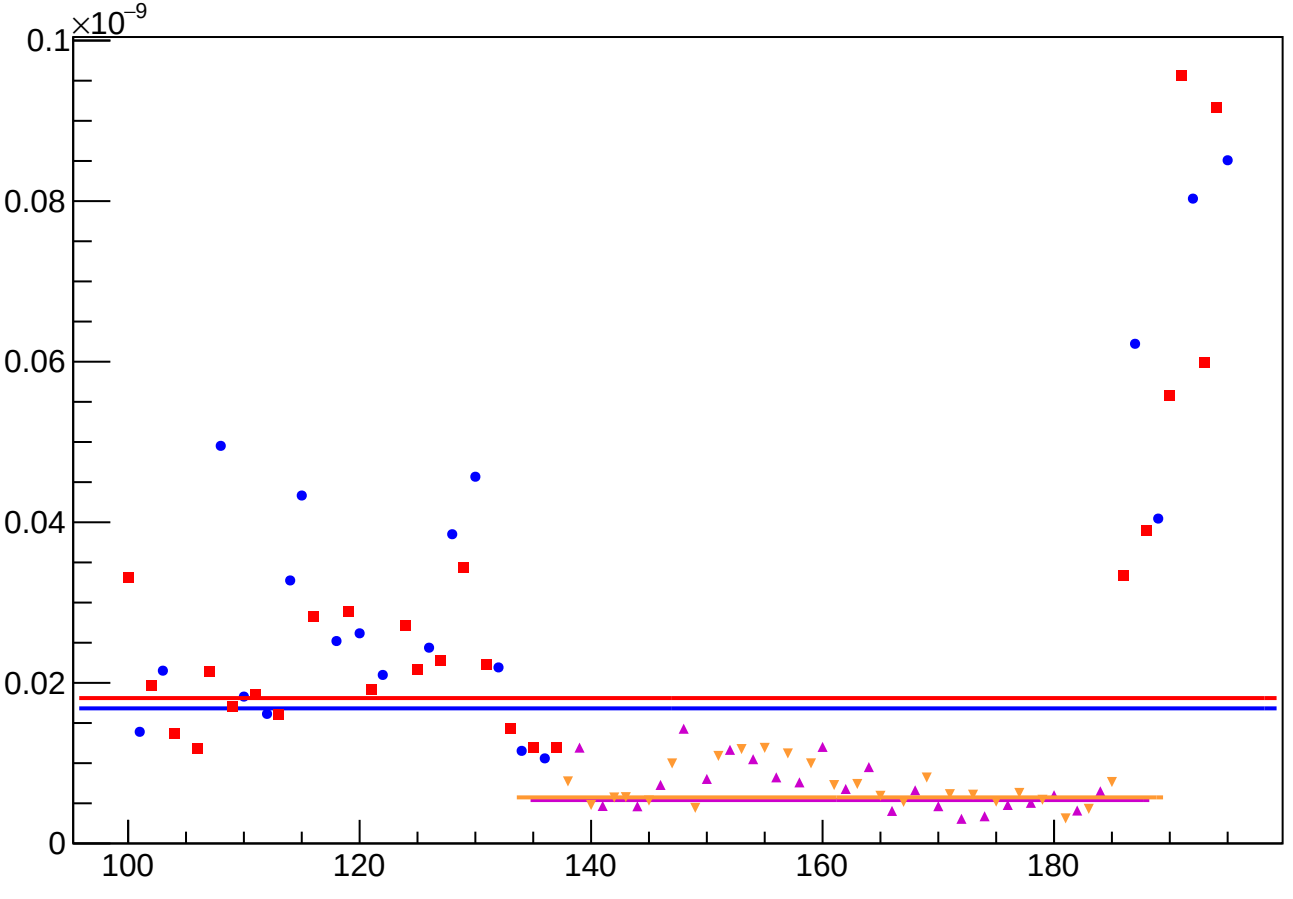
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 58.0/44

In: -0.000+/-0.000 χ^2/NDF:52.9/42

Out: -0.000+/-0.000 χ^2/NDF:56.0/49

All: -0.000+/-0.000 χ^2/NDF: 109.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 3245553.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2521867.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

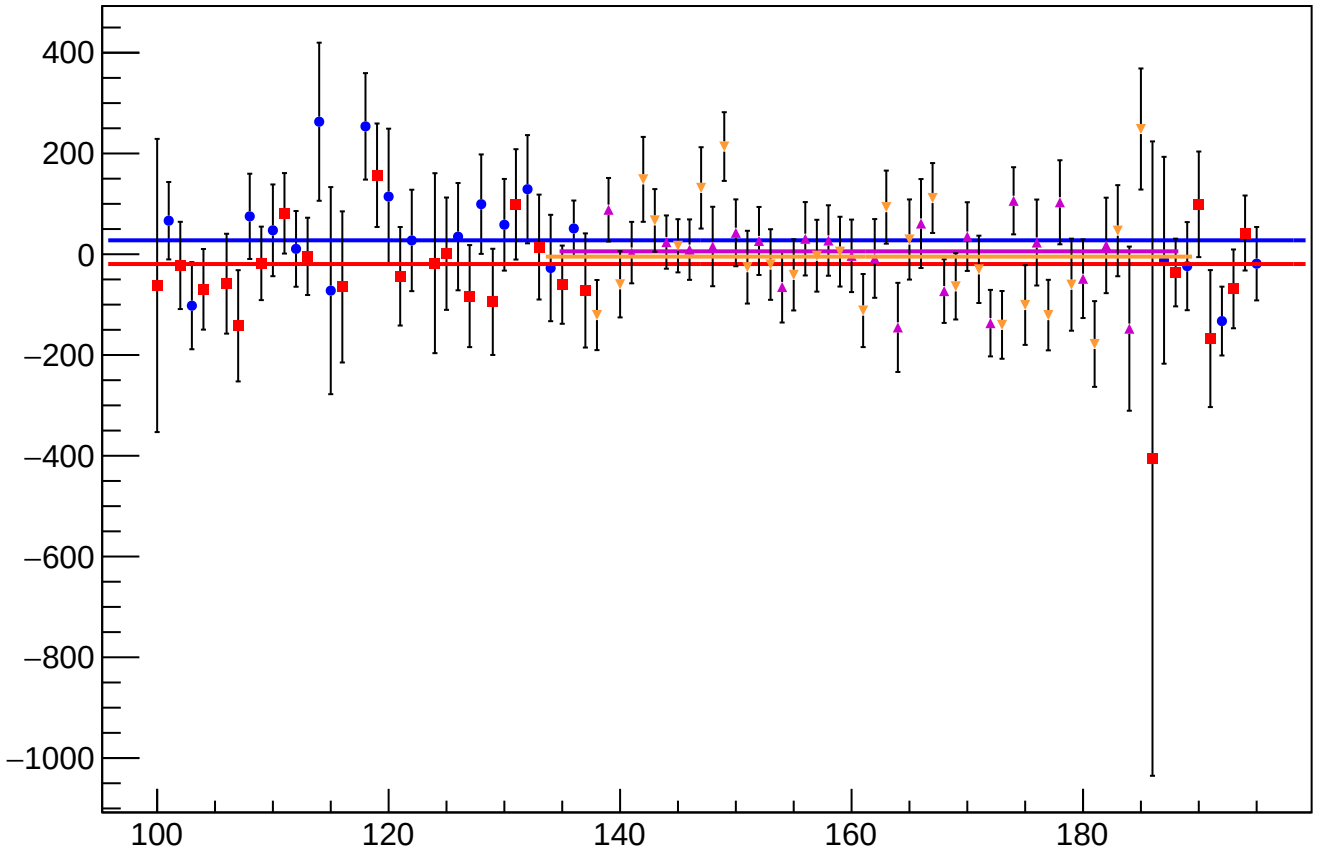
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5794959.6/44

In: 0.000+/-0.000 χ^2/NDF:10922216.1/42

Out: 0.000+/-0.000 χ^2/NDF:10030011.1/49

All: 0.000+/-0.000 χ^2/NDF: 21001529.7/92



Right In: 27.630+/-20.334 χ^2/NDF: 18.7/19

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -19.439+/-19.331 χ^2/NDF: 13.2/24

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

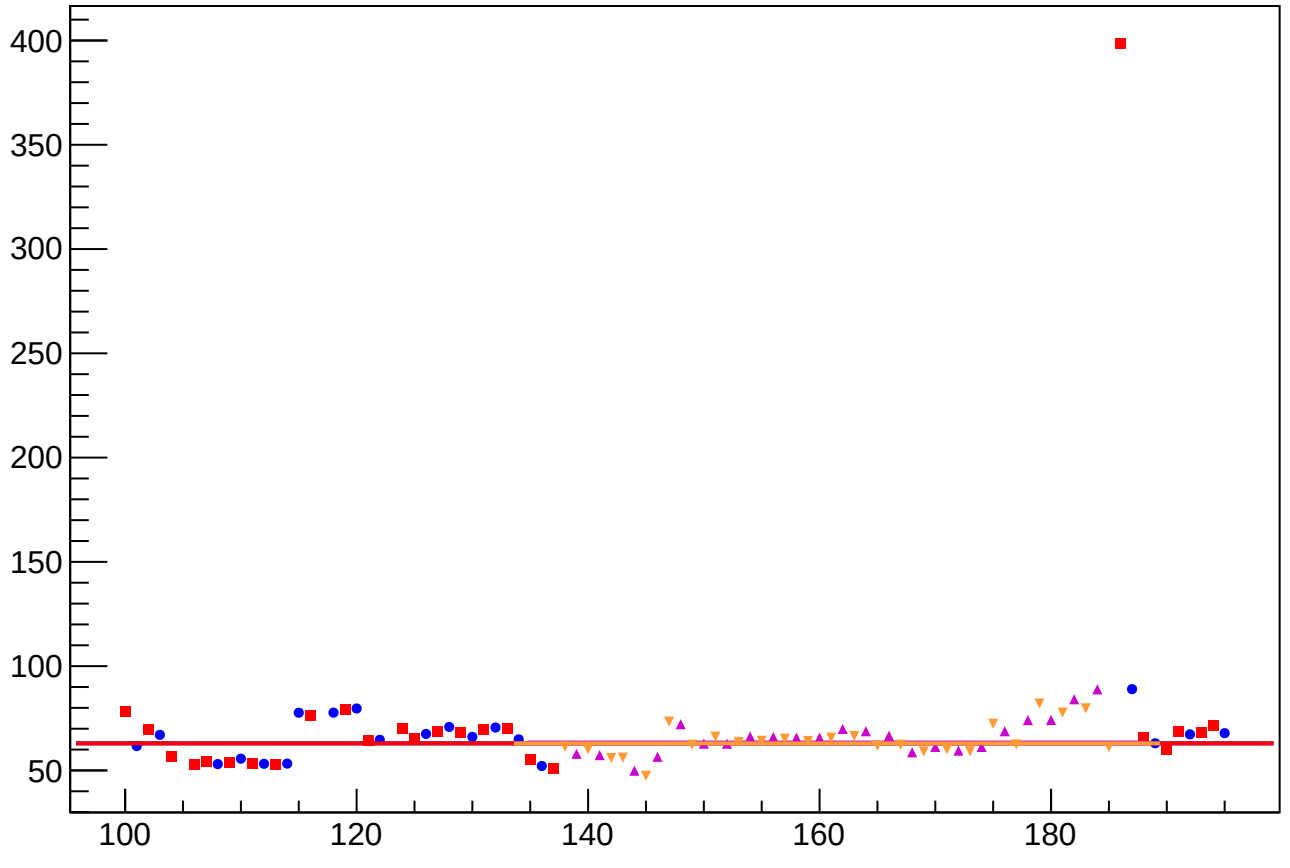
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 2.906+/-14.010 χ^2/NDF: 34.7/44

In: 13.432+/-12.035 χ^2/NDF:37.7/42

Out: -10.002+/-11.564 χ^2/NDF:60.9/49

All: 1.248+/-8.339 χ^2/NDF: 100.6/92



Right In: 62.994+/-0.014 χ^2/NDF: 322512.3/19

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 62.981+/-0.014 χ^2/NDF: 912297.7/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

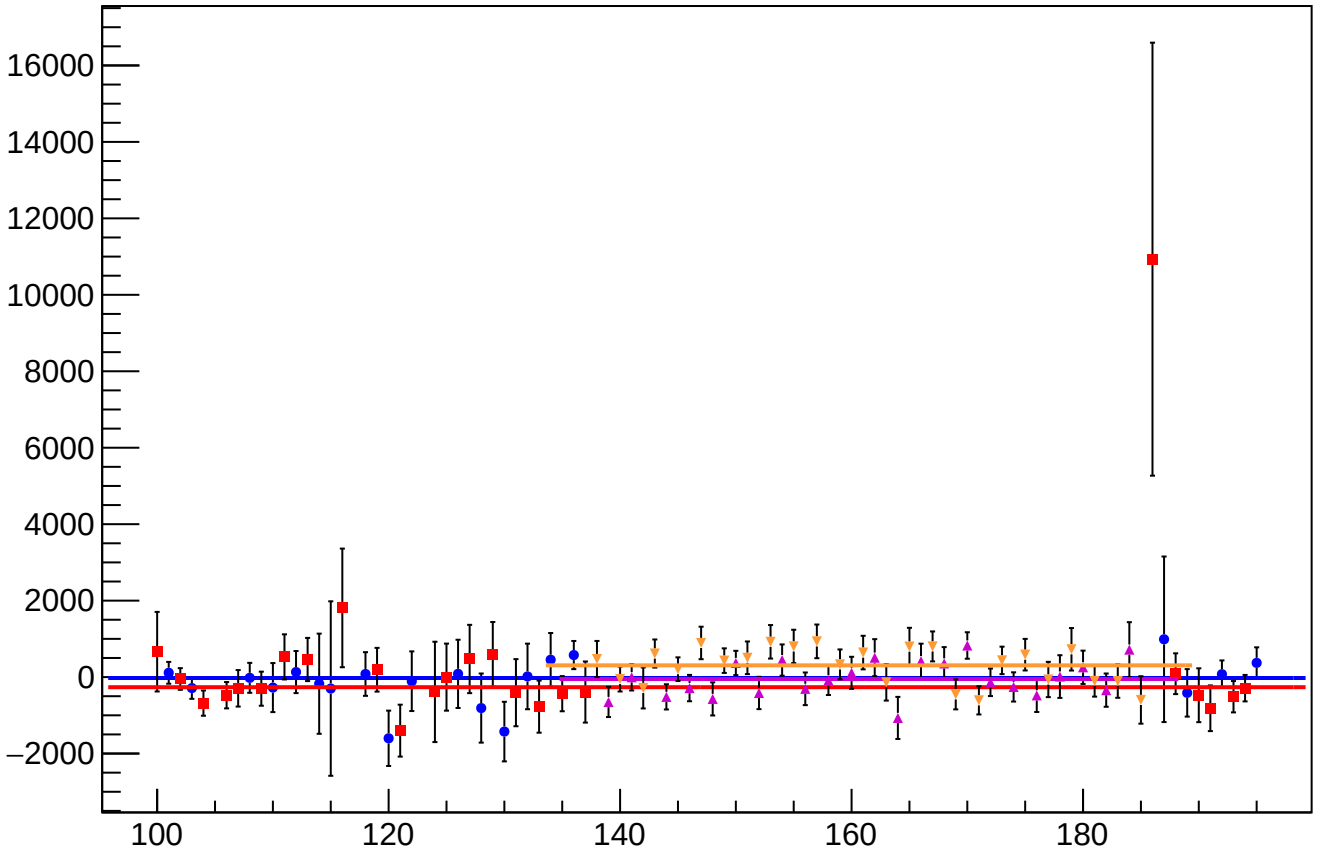
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.987+/-0.010 χ^2/NDF: 1234810.4/44

In: 63.235+/-0.009 χ^2/NDF:819872.4/42

Out: 62.978+/-0.008 χ^2/NDF:1439157.5/49

All: 63.101+/-0.006 χ^2/NDF: 2259505.6/92



Right In: -23.895+/-114.669 χ^2/NDF: 14.9/19

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -264.436+/-106.012 χ^2/NDF: 20.2/24

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

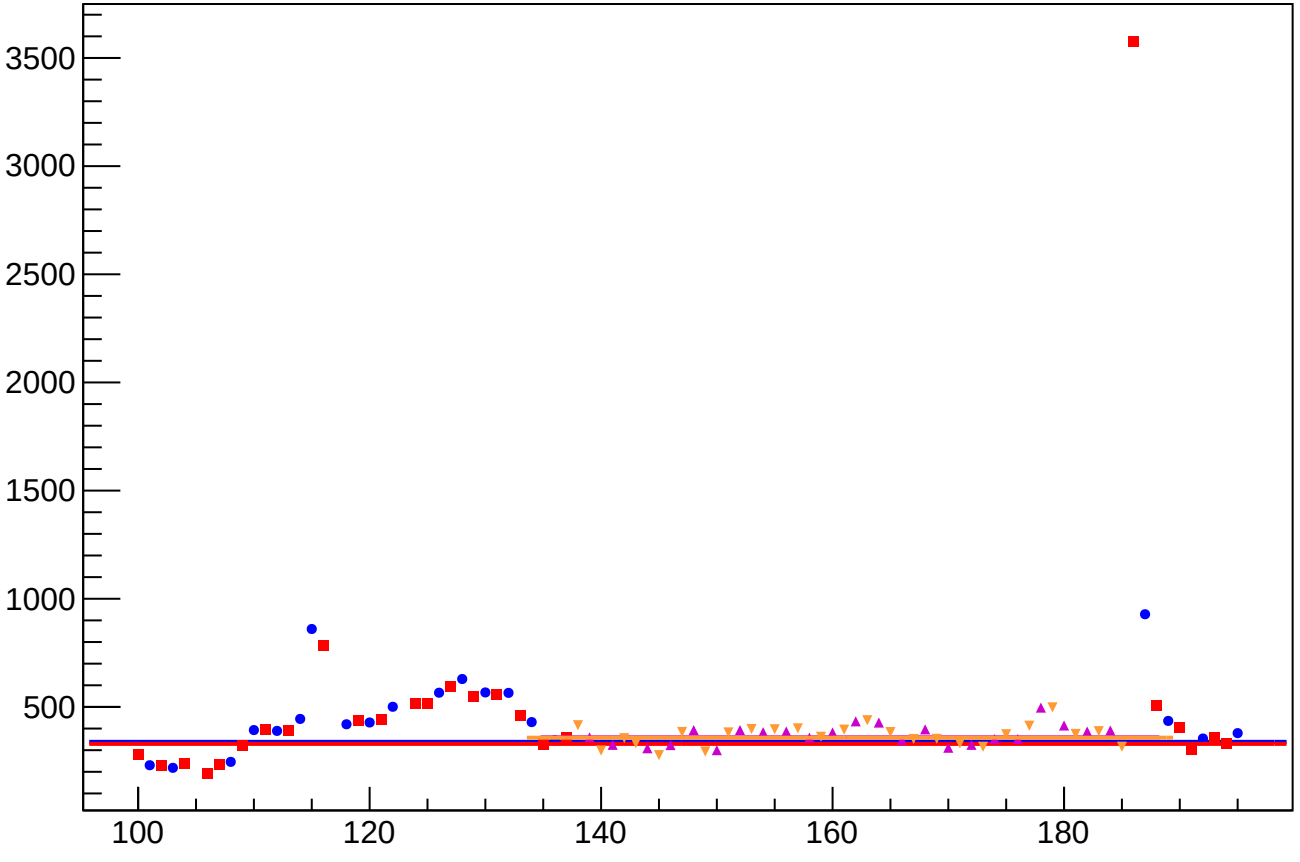
Right: -153.587+/-77.843 χ^2/NDF: 37.5/44

In: -40.785+/-68.201 χ^2/NDF:42.2/42

Out: 92.029+/-65.040 χ^2/NDF:69.0/49

All: 28.772+/-47.068 χ^2/NDF: 113.2/92

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 338.559+/-0.081 χ^2/NDF: 1972378.1/19

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 329.031+/-0.075 χ^2/NDF: 2740474.1/24

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

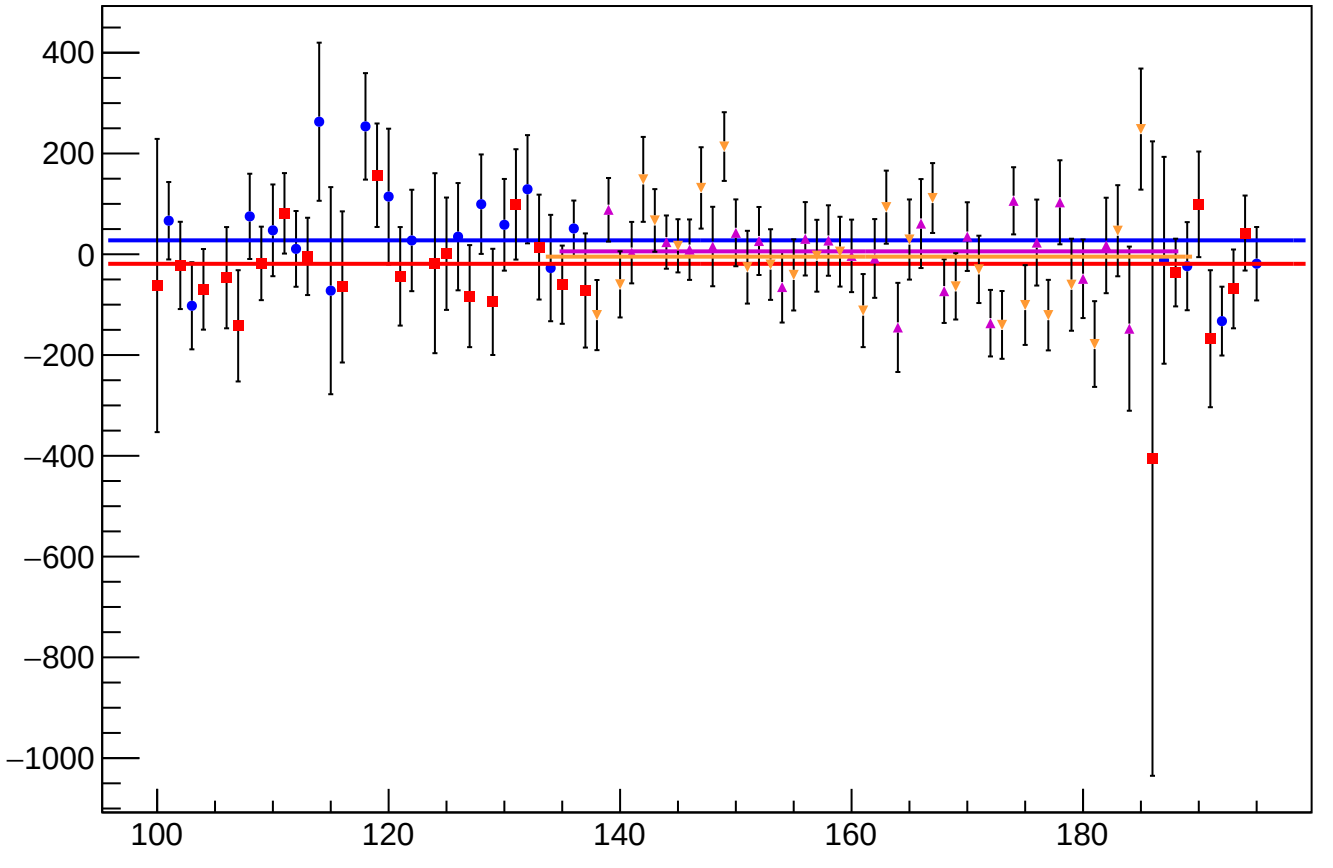
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 333.422+/-0.055 χ^2/NDF: 4720298.0/44

In: 351.995+/-0.048 χ^2/NDF:2534626.4/42

Out: 346.929+/-0.046 χ^2/NDF:3515616.5/49

All: 349.342+/-0.033 χ^2/NDF: 6056023.6/92



Right In: 27.624+/-20.334 χ^2/NDF: 18.7/19

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -18.954+/-19.341 χ^2/NDF: 13.1/24

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

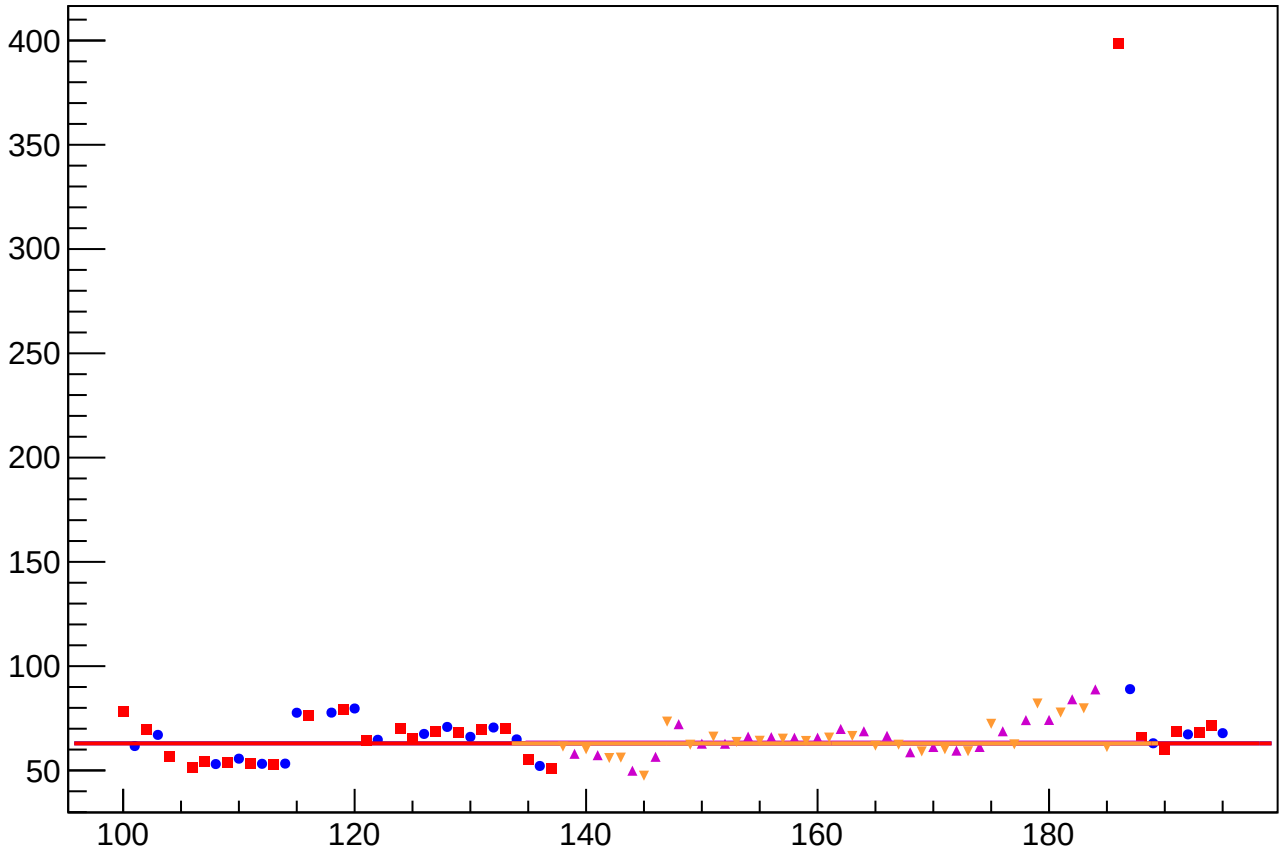
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 3.170+/-14.014 χ^2/NDF: 34.6/44

In: 13.429+/-12.035 χ^2/NDF:37.7/42

Out: -9.828+/-11.567 χ^2/NDF:60.8/49

All: 1.339+/-8.339 χ^2/NDF: 100.5/92



Right In: 62.994+/-0.014 χ^2/NDF: 322512.5/19

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 62.953+/-0.014 χ^2/NDF: 916317.8/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

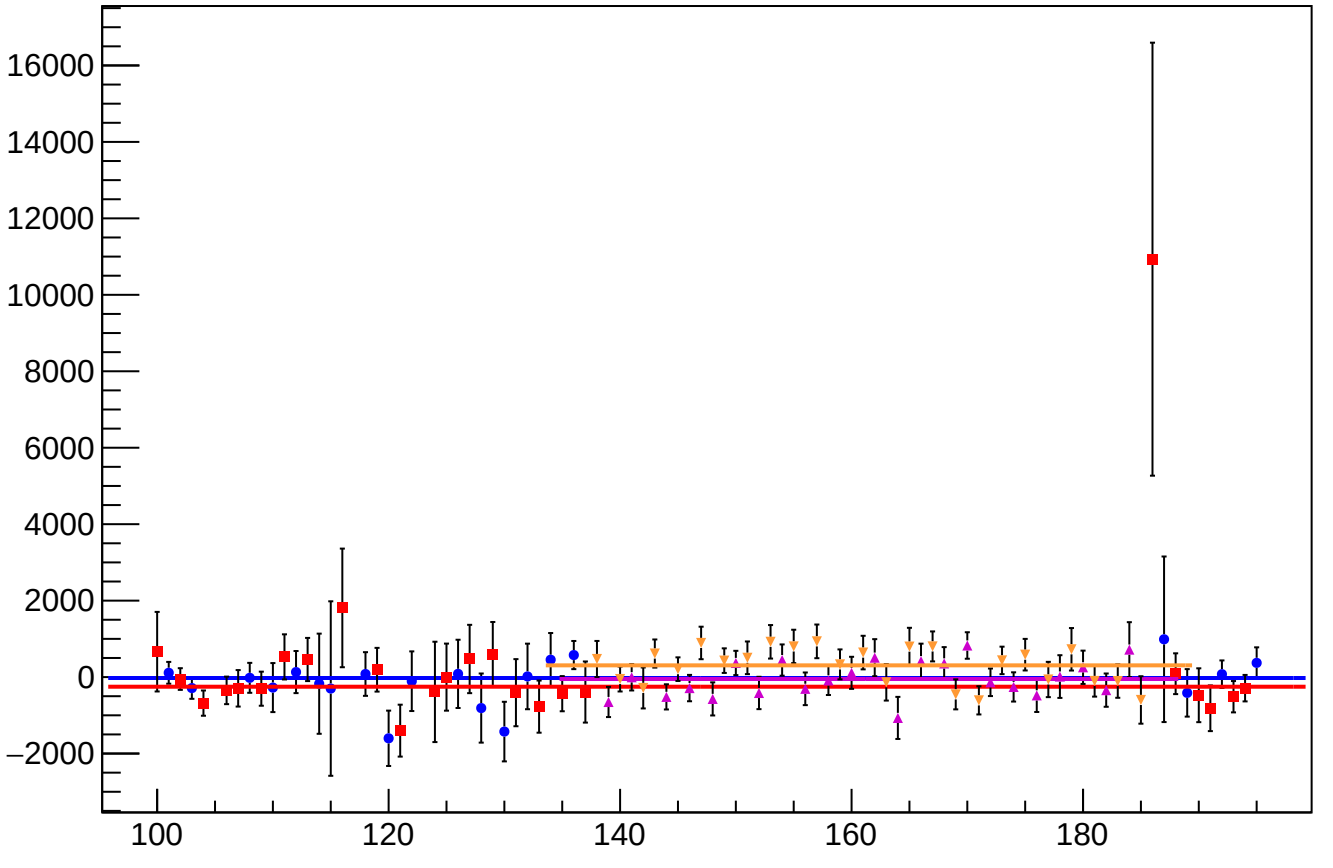
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.972+/-0.010 χ^2/NDF: 1238834.6/44

In: 63.235+/-0.009 χ^2/NDF:819872.6/42

Out: 62.968+/-0.008 χ^2/NDF:1443179.5/49

All: 63.096+/-0.006 χ^2/NDF: 2263565.1/92



Right In: -23.885+/-114.669 χ^2/NDF: 14.9/19

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -251.855+/-106.462 χ^2/NDF: 19.9/24

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

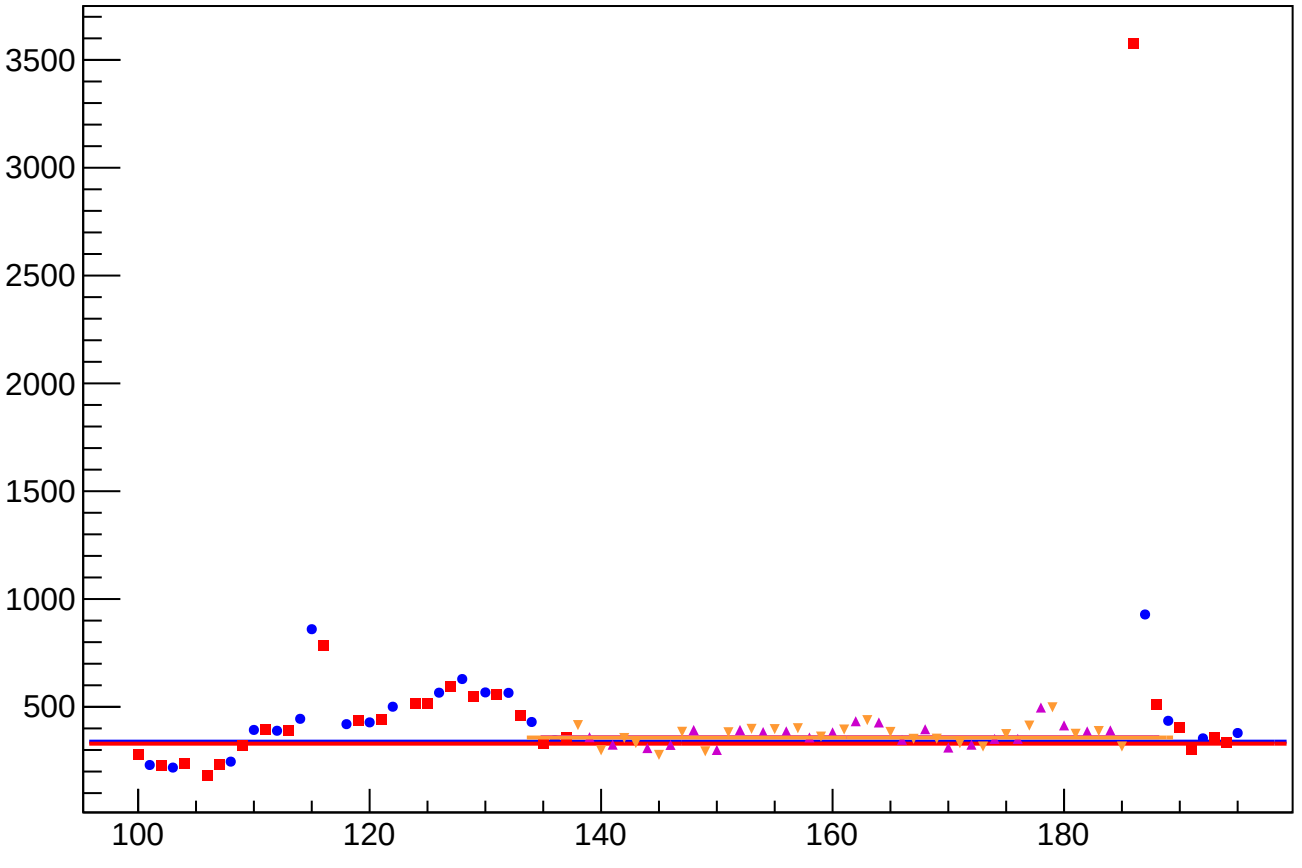
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

Right: -146.319+/-78.020 χ^2/NDF: 36.9/44

In: -40.780+/-68.201 χ^2/NDF:42.2/42

Out: 97.870+/-65.143 χ^2/NDF:67.8/49

All: 31.723+/-47.107 χ^2/NDF: 112.2/92



Right In: 338.562+/-0.081 χ^2/NDF: 1972307.5/19

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 329.302+/-0.075 χ^2/NDF: 2757781.3/24

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

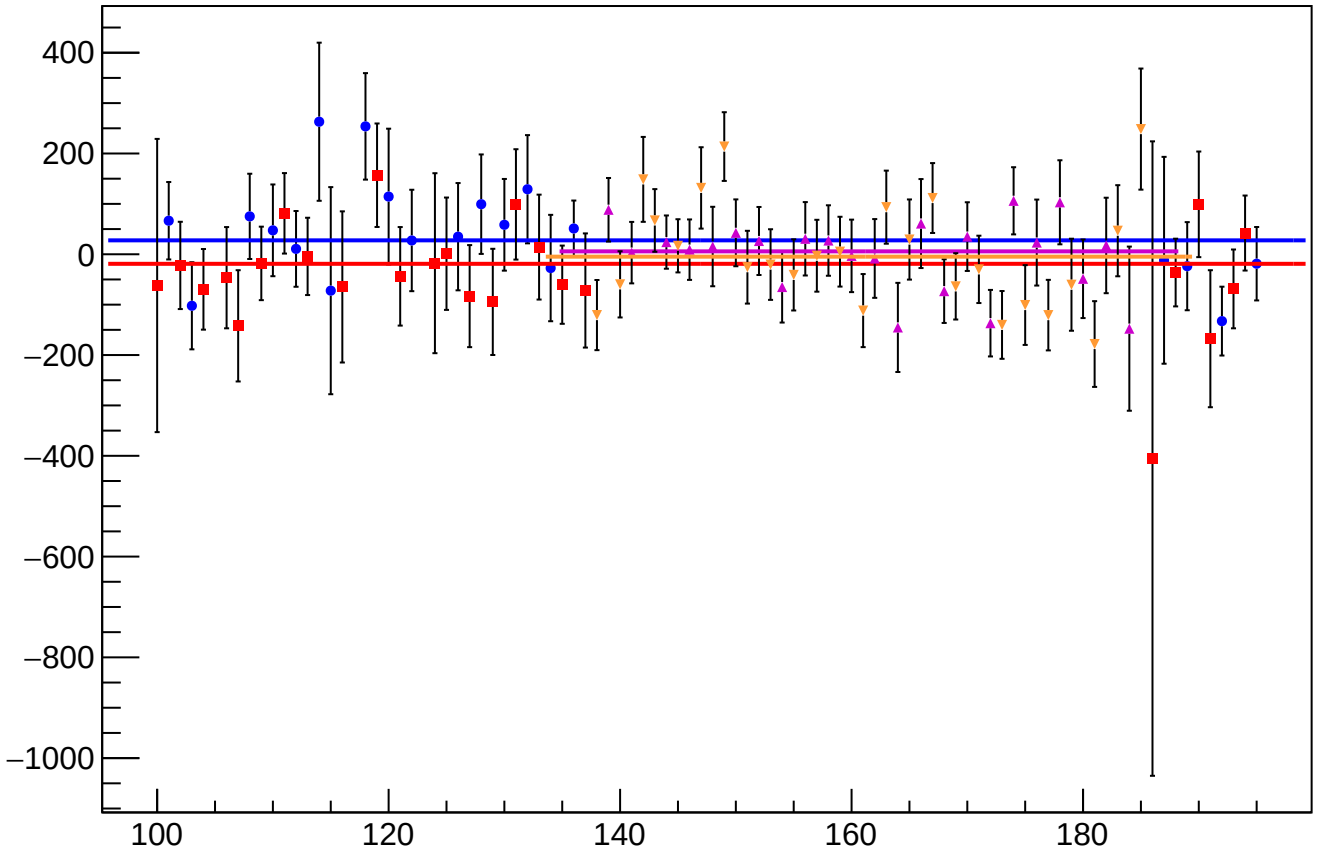
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 333.589+/-0.055 χ^2/NDF: 4737093.0/44

In: 351.996+/-0.048 χ^2/NDF:2534549.1/42

Out: 347.087+/-0.046 χ^2/NDF:3530728.9/49

All: 349.429+/-0.033 χ^2/NDF: 6070696.3/92



Right In: 27.624+/-20.334 χ^2/NDF: 18.7/19

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -18.954+/-19.341 χ^2/NDF: 13.1/24

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

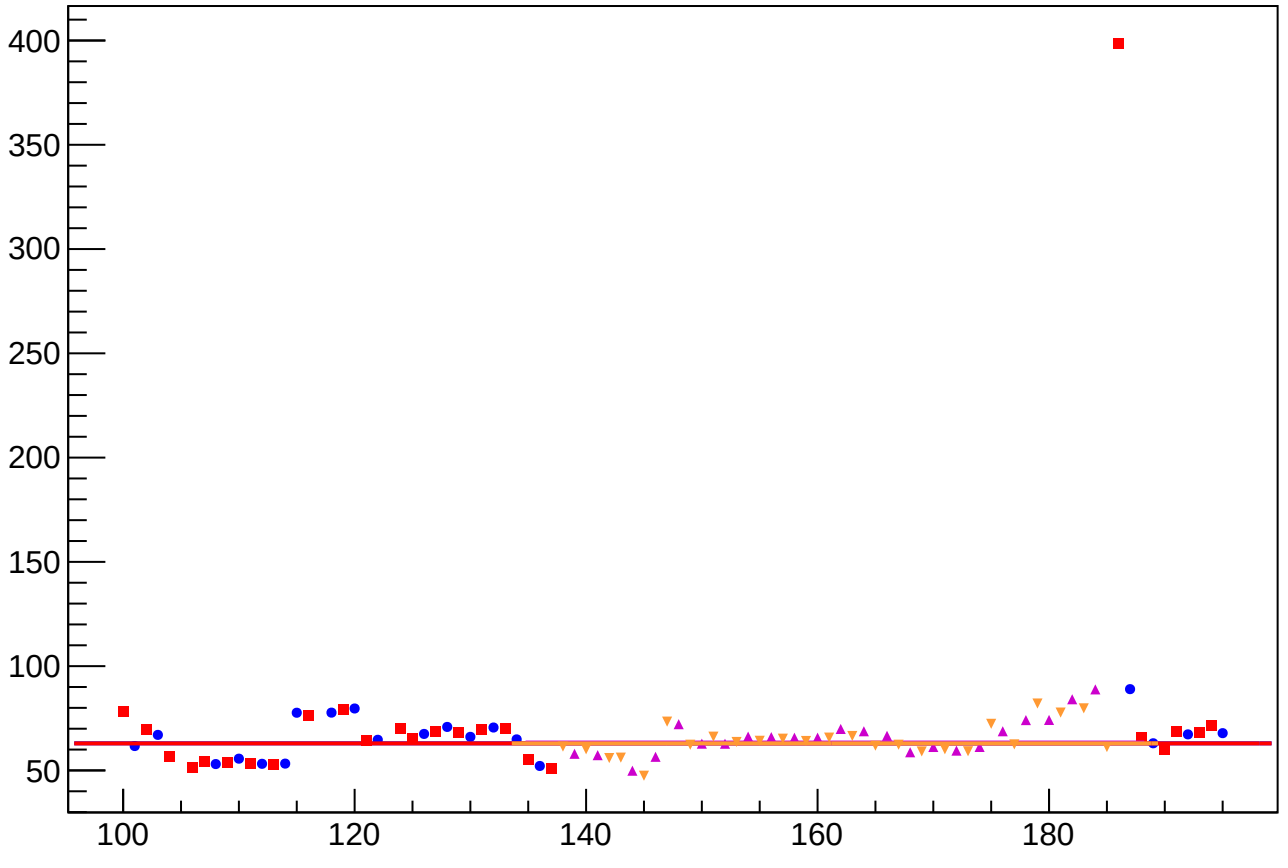
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 3.170+/-14.014 χ^2/NDF: 34.6/44

In: 13.429+/-12.035 χ^2/NDF:37.7/42

Out: -9.828+/-11.567 χ^2/NDF:60.8/49

All: 1.339+/-8.339 χ^2/NDF: 100.5/92



Right In: 62.994+/-0.014 χ^2/NDF: 322512.5/19

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 62.953+/-0.014 χ^2/NDF: 916317.8/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

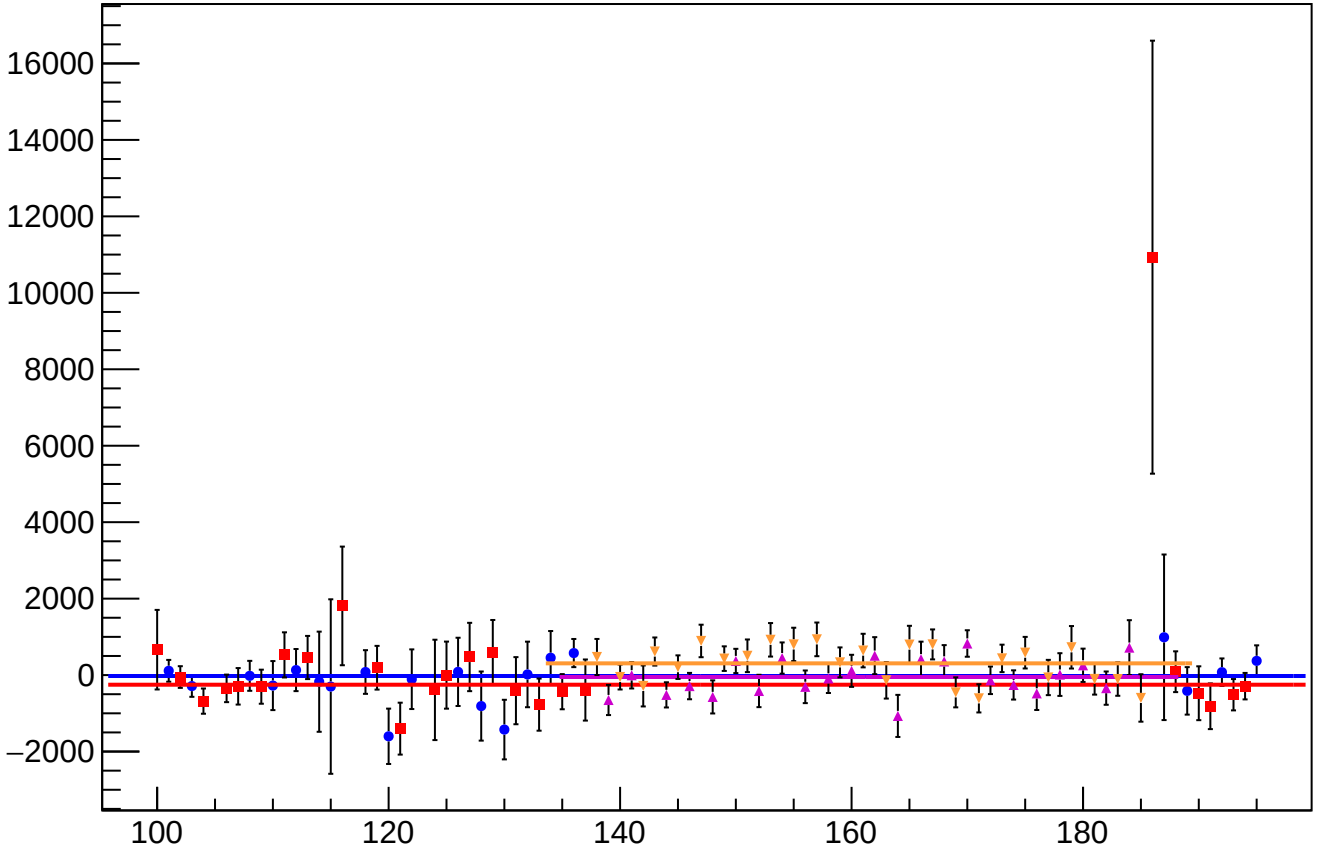
Right: 62.972+/-0.010 χ^2/NDF: 1238834.6/44

In: 63.235+/-0.009 χ^2/NDF:819872.6/42

Out: 62.968+/-0.008 χ^2/NDF:1443179.5/49

All: 63.096+/-0.006 χ^2/NDF: 2263565.1/92

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -23.885+/-114.669 χ^2/NDF: 14.9/19

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -251.855+/-106.462 χ^2/NDF: 19.9/24

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

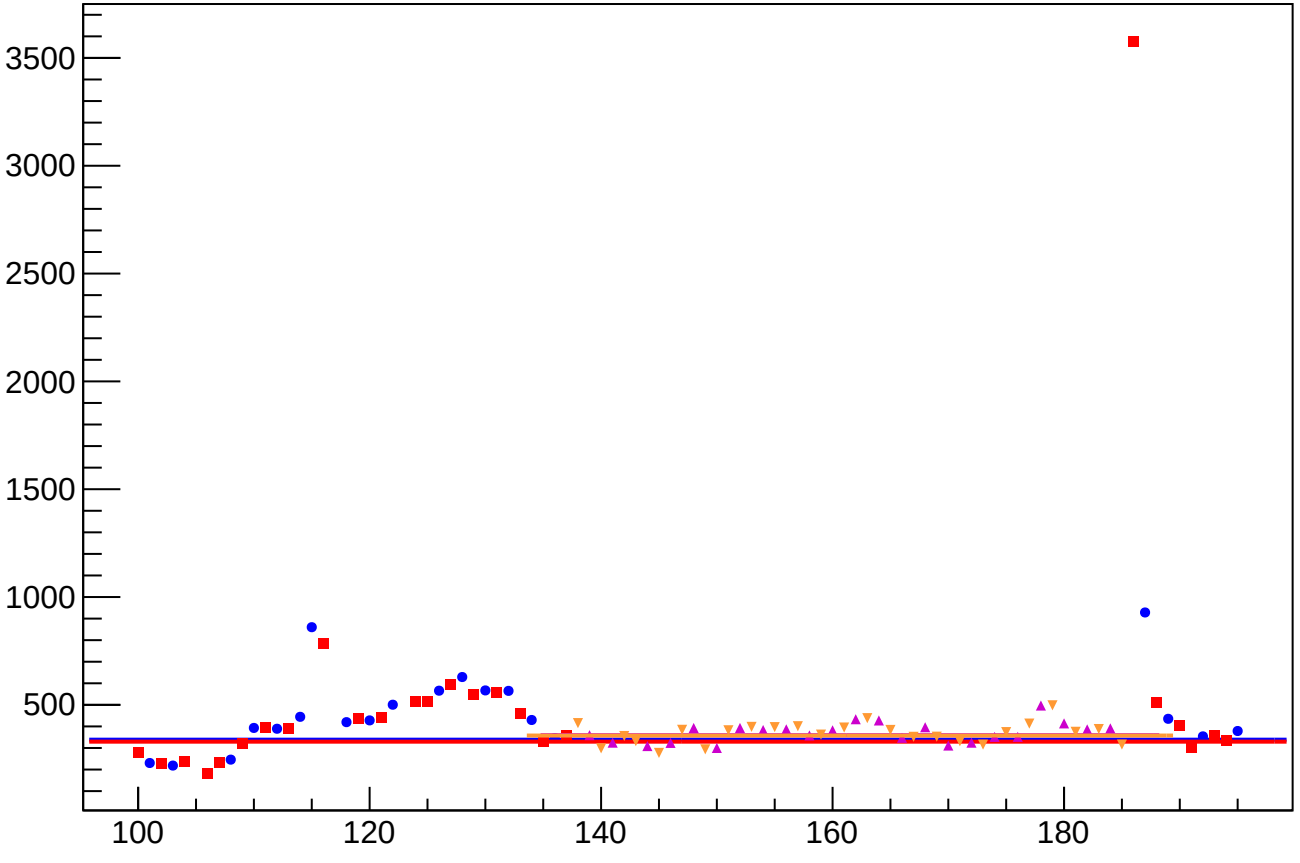
Right: -146.319+/-78.020 χ^2/NDF: 36.9/44

In: -40.780+/-68.201 χ^2/NDF:42.2/42

Out: 97.870+/-65.143 χ^2/NDF:67.8/49

All: 31.723+/-47.107 χ^2/NDF: 112.2/92

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 338.562+/-0.081 χ^2/NDF: 1972307.5/19

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 329.302+/-0.075 χ^2/NDF: 2757781.3/24

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

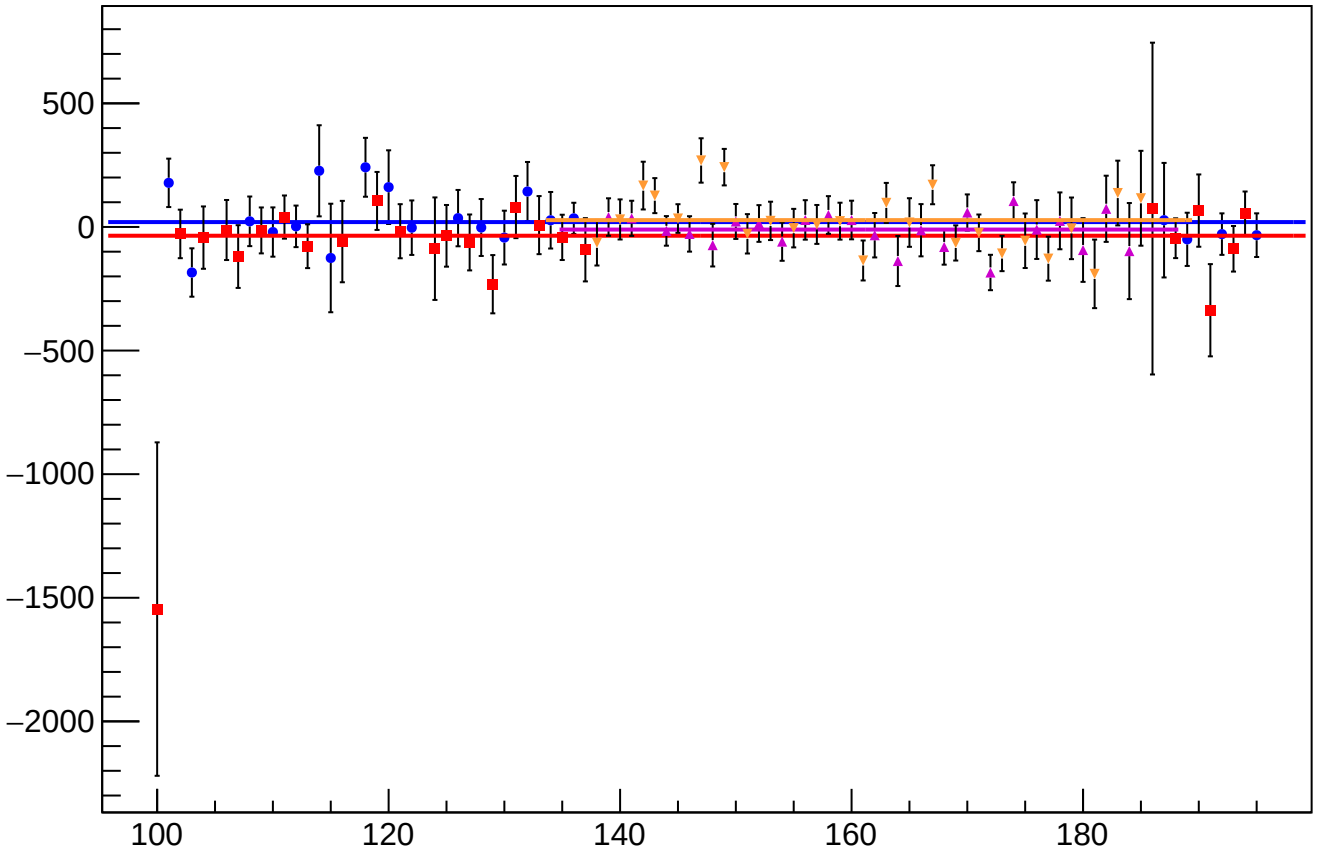
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 333.589+/-0.055 χ^2/NDF: 4737093.0/44

In: 351.996+/-0.048 χ^2/NDF:2534549.1/42

Out: 347.087+/-0.046 χ^2/NDF:3530728.9/49

All: 349.429+/-0.033 χ^2/NDF: 6070696.3/92



Right In: 19.739+/-23.516 χ^2/NDF: 15.9/19

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -35.471+/-22.955 χ^2/NDF: 16.6/24

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

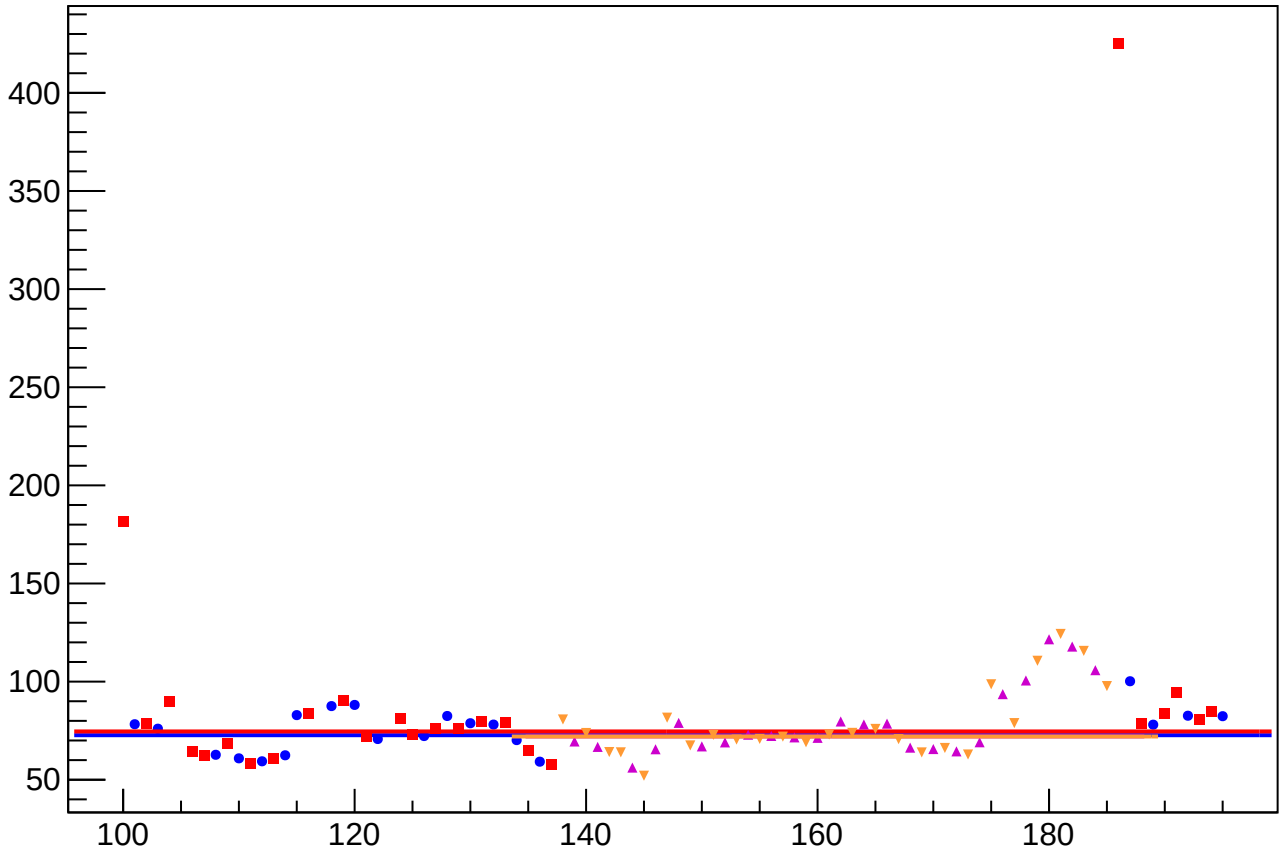
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -8.532+/-16.426 χ^2/NDF: 35.4/44

In: 0.045+/-13.896 χ^2/NDF:33.1/42

Out: 5.717+/-13.527 χ^2/NDF:63.9/49

All: 2.957+/-9.693 χ^2/NDF: 97.1/92



Right In: 72.697+/-0.017 χ^2/NDF: 372771.5/19

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 74.609+/-0.016 χ^2/NDF: 969990.7/24

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

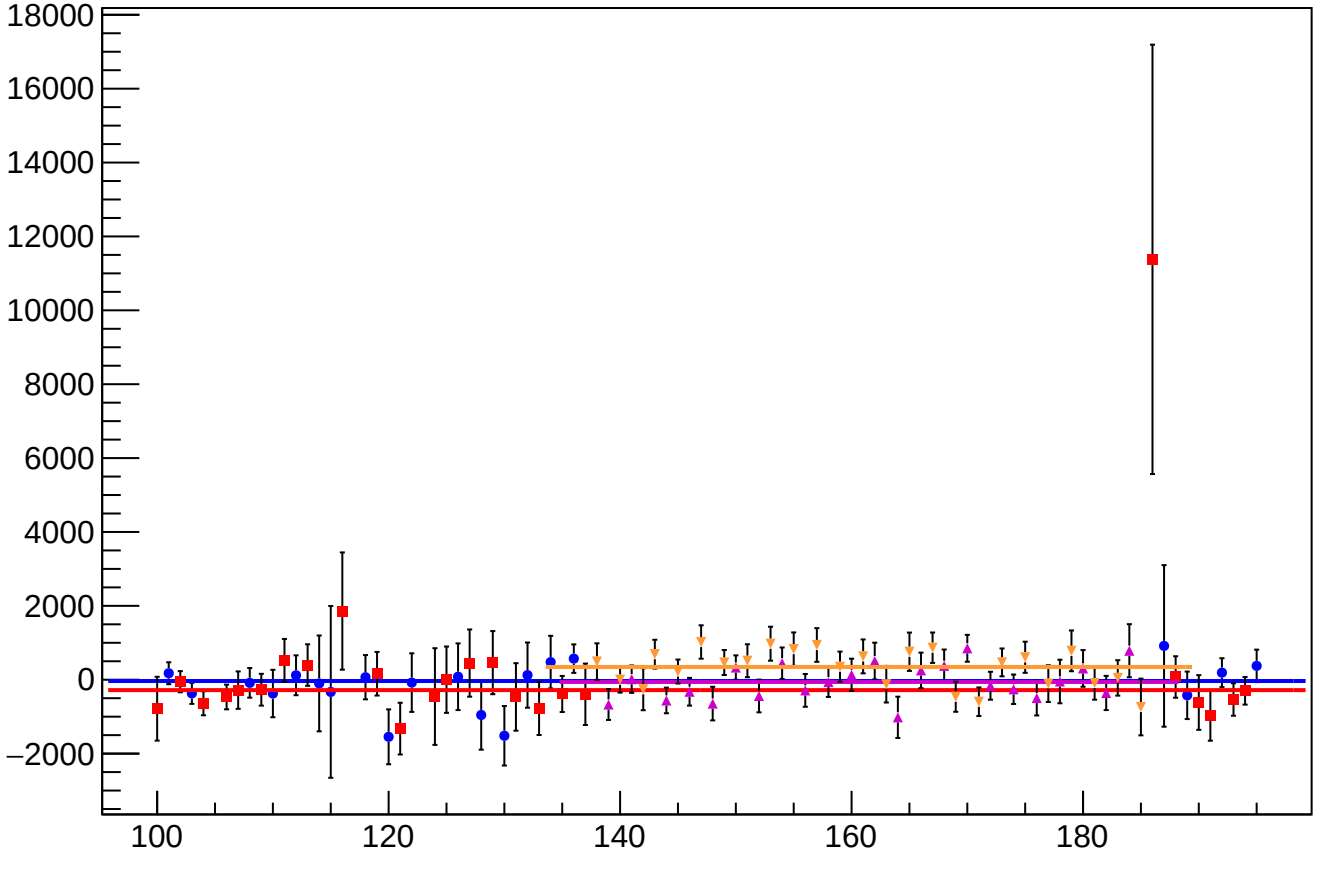
Right: 73.676+/-0.012 χ^2/NDF: 1349529.9/44

In: 72.304+/-0.010 χ^2/NDF:1432490.9/42

Out: 72.933+/-0.010 χ^2/NDF:2255805.3/49

All: 72.626+/-0.007 χ^2/NDF: 3690400.5/92

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -34.697+/-118.703 χ^2/NDF: 15.6/19

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -281.268+/-108.317 χ^2/NDF: 18.5/24

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

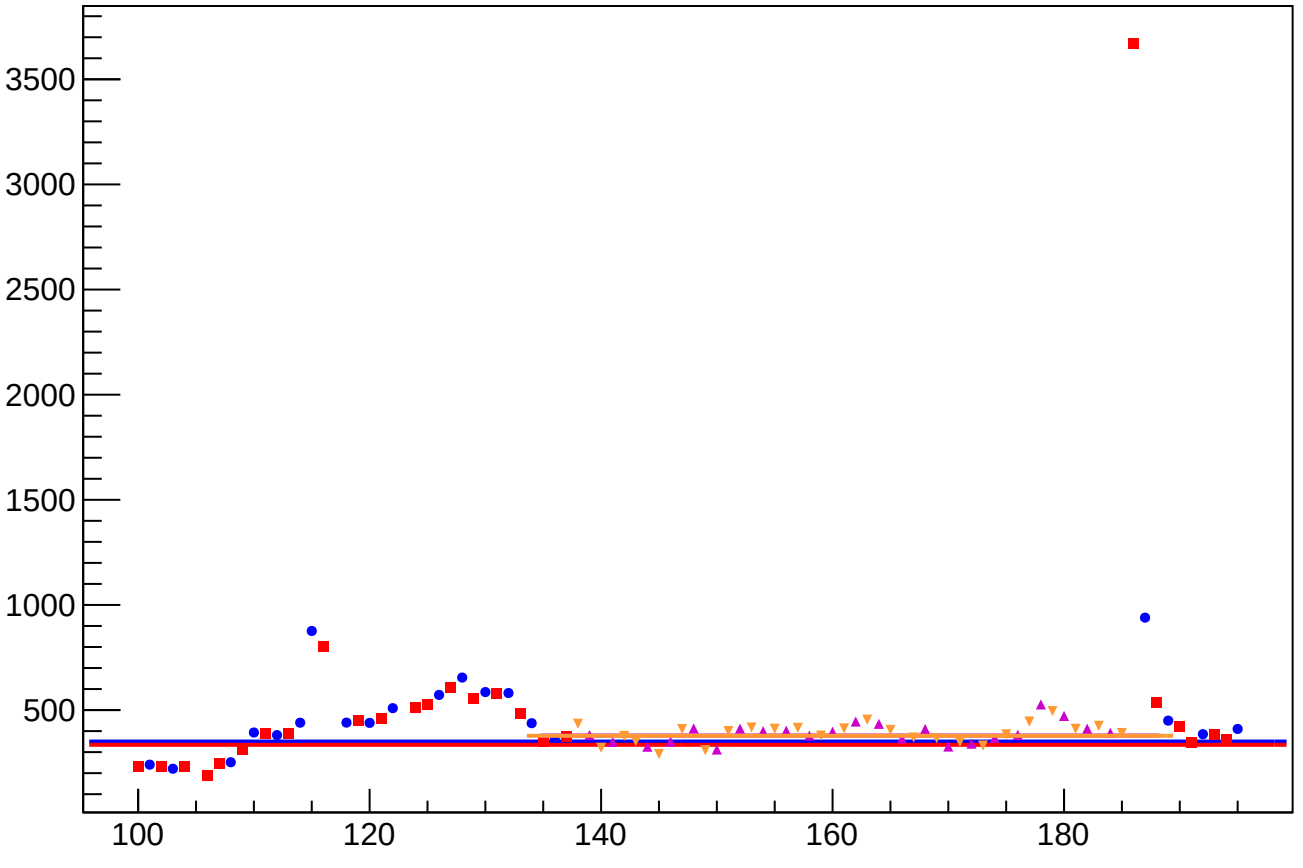
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -169.240+/-80.012 χ^2/NDF: 36.4/44

In: -50.782+/-71.418 χ^2/NDF:41.5/42

Out: 100.614+/-67.745 χ^2/NDF:67.9/49

All: 28.909+/-49.150 χ^2/NDF: 111.7/92



Right In: 350.354+/-0.084 χ^2/NDF: 2005458.7/19

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 334.818+/-0.077 χ^2/NDF: 2946753.5/24

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

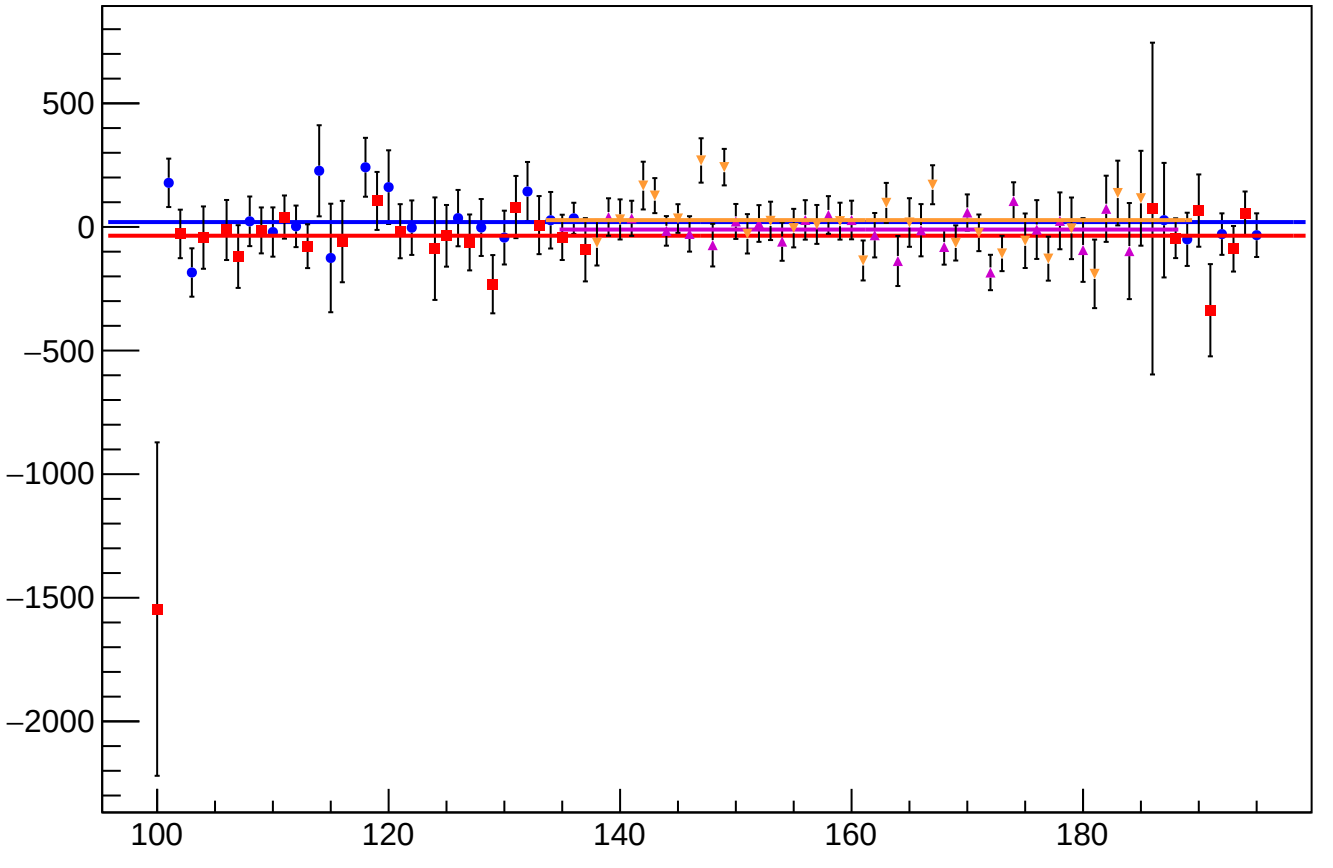
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 341.876+/-0.057 χ^2/NDF: 4970906.6/44

In: 368.547+/-0.051 χ^2/NDF:2606780.8/42

Out: 360.984+/-0.048 χ^2/NDF:3775179.2/49

All: 364.566+/-0.035 χ^2/NDF: 6393764.4/92



Right In: 19.739+/-23.516 χ^2/NDF: 15.9/19

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -35.471+/-22.955 χ^2/NDF: 16.6/24

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

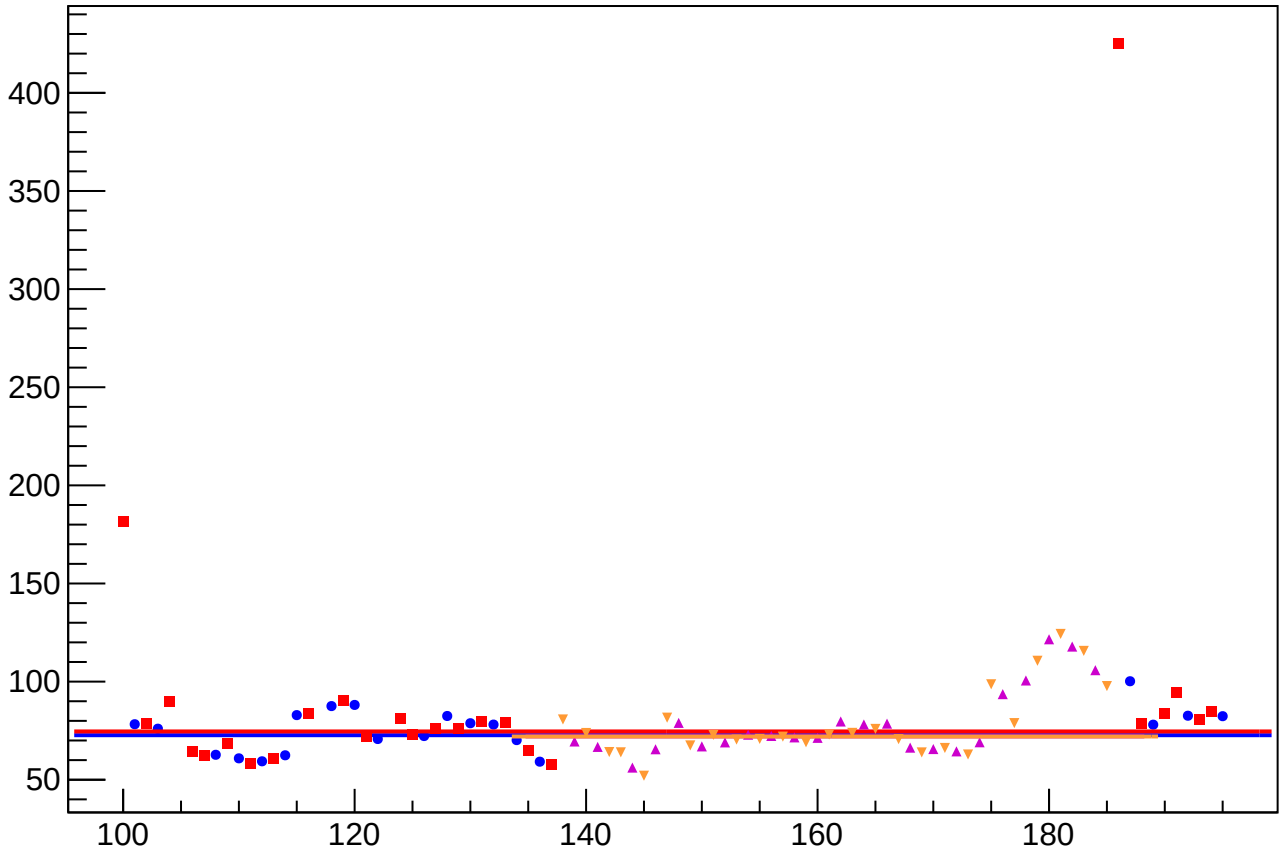
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -8.533+/-16.426 χ^2/NDF: 35.4/44

In: 0.045+/-13.896 χ^2/NDF:33.1/42

Out: 5.717+/-13.527 χ^2/NDF:63.9/49

All: 2.957+/-9.693 χ^2/NDF: 97.1/92



Right In: 72.697+/-0.017 χ^2/NDF: 372769.5/19

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 74.609+/-0.016 χ^2/NDF: 969989.2/24

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

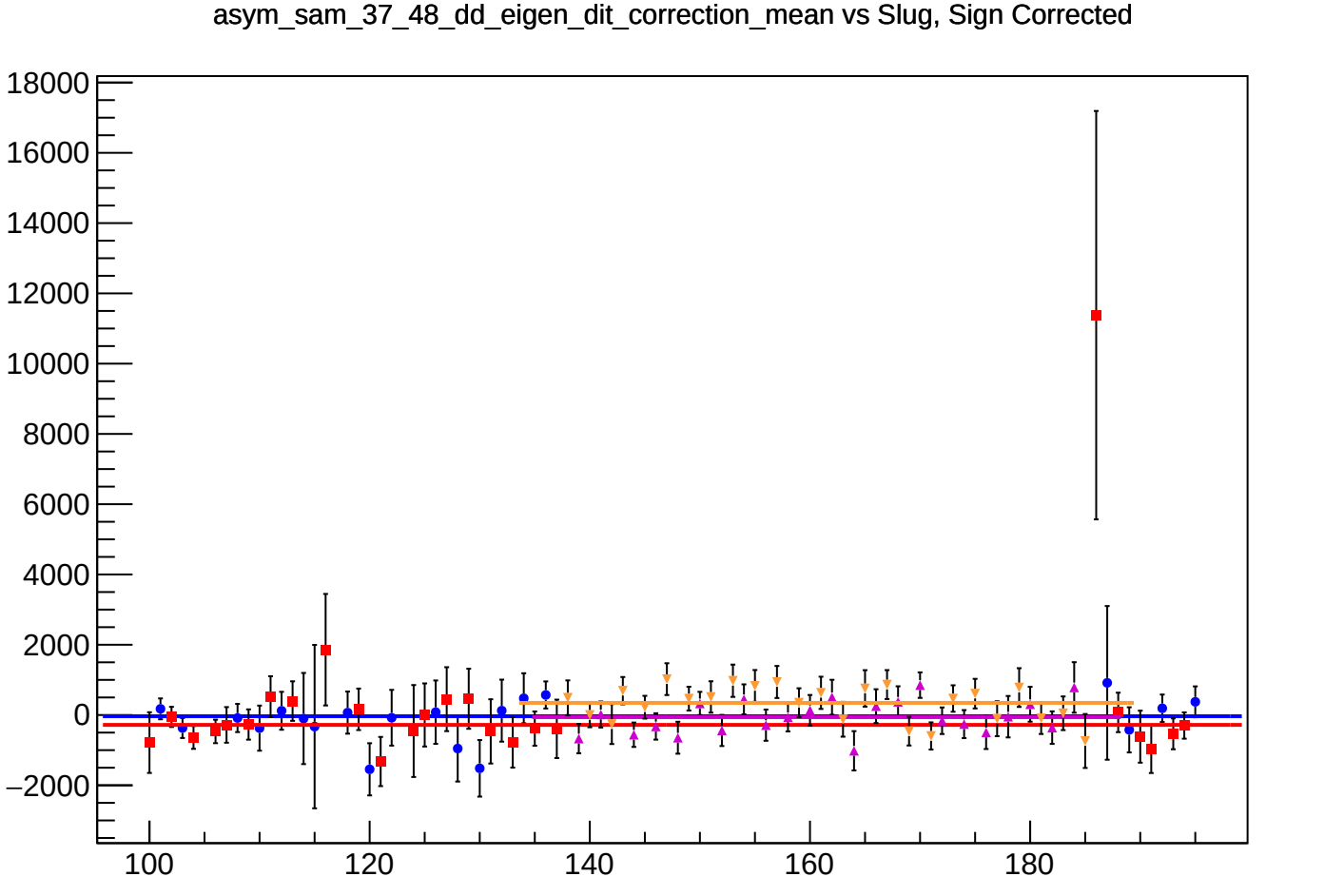
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

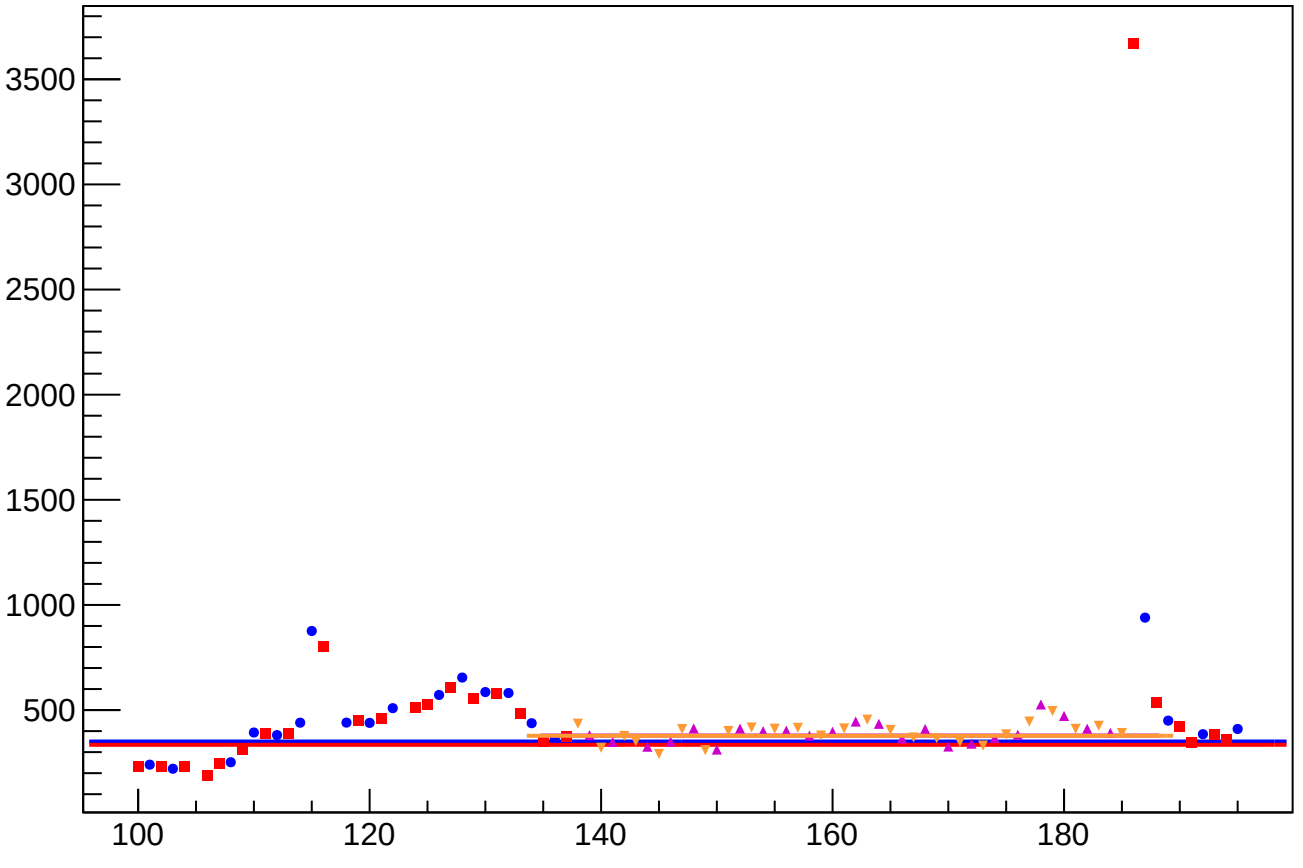
Right: 73.676+/-0.012 χ^2/NDF: 1349525.7/44

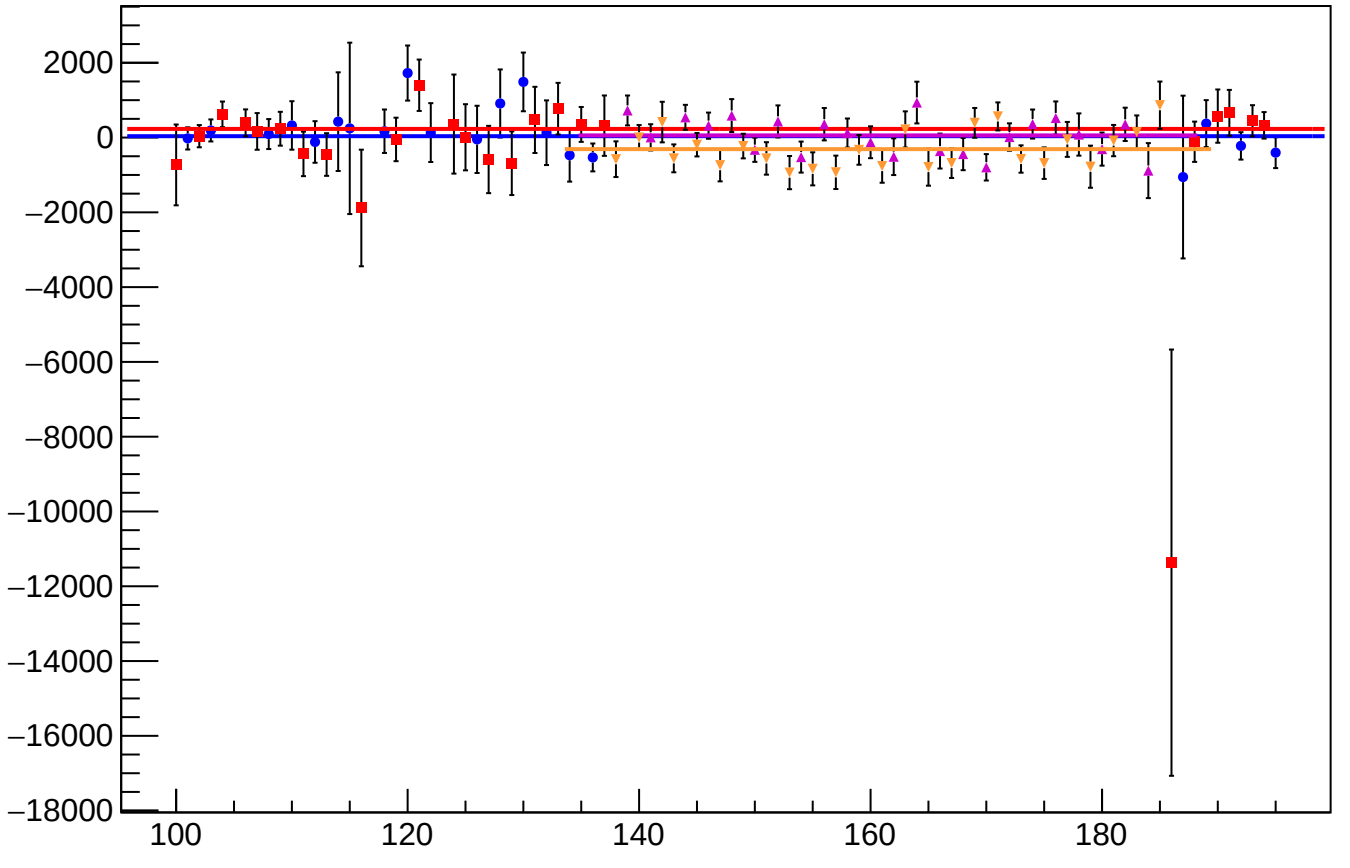
In: 72.303+/-0.010 χ^2/NDF:1432479.5/42

Out: 72.932+/-0.010 χ^2/NDF:2255811.1/49

All: 72.626+/-0.007 χ^2/NDF: 3690394.6/92


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
120
140
160
180
Right In: -34.698+/-118.703 χ²/NDF: 15.6/19
Left Out: 345.972+/-86.822 χ²/NDF:28.9/24
Right Out: -281.267+/-108.317 χ²/NDF: 18.5/24
Left In: -59.907+/-89.411 χ²/NDF:25.8/22
Left: 148.994+/-62.288 χ²/NDF: 65.4/47
Right: -169.240+/-80.012 χ²/NDF: 36.4/44
In: -50.782+/-71.418 χ²/NDF:41.5/42
Out: 100.614+/-67.745 χ²/NDF:67.9/49
All: 28.909+/-49.150 χ²/NDF: 111.7/92


asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 350.354+/-0.084 χ²/NDF: 2005455.0/19
Left Out: 377.796+/-0.061 χ²/NDF:636714.9/24
Right Out: 334.817+/-0.077 χ²/NDF: 2946742.6/24
Left In: 378.869+/-0.063 χ²/NDF:527680.9/22
Left: 378.317+/-0.044 χ²/NDF: 1164543.9/47
Right: 341.876+/-0.057 χ²/NDF: 4970892.6/44
In: 368.547+/-0.051 χ²/NDF:2606771.1/42
Out: 360.984+/-0.048 χ²/NDF:3775167.1/49
All: 364.566+/-0.035 χ²/NDF: 6393743.0/92



Right In: 36.476+/-117.403 χ^2/NDF: 15.4/19

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 231.119+/-108.715 χ^2/NDF: 18.8/24

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

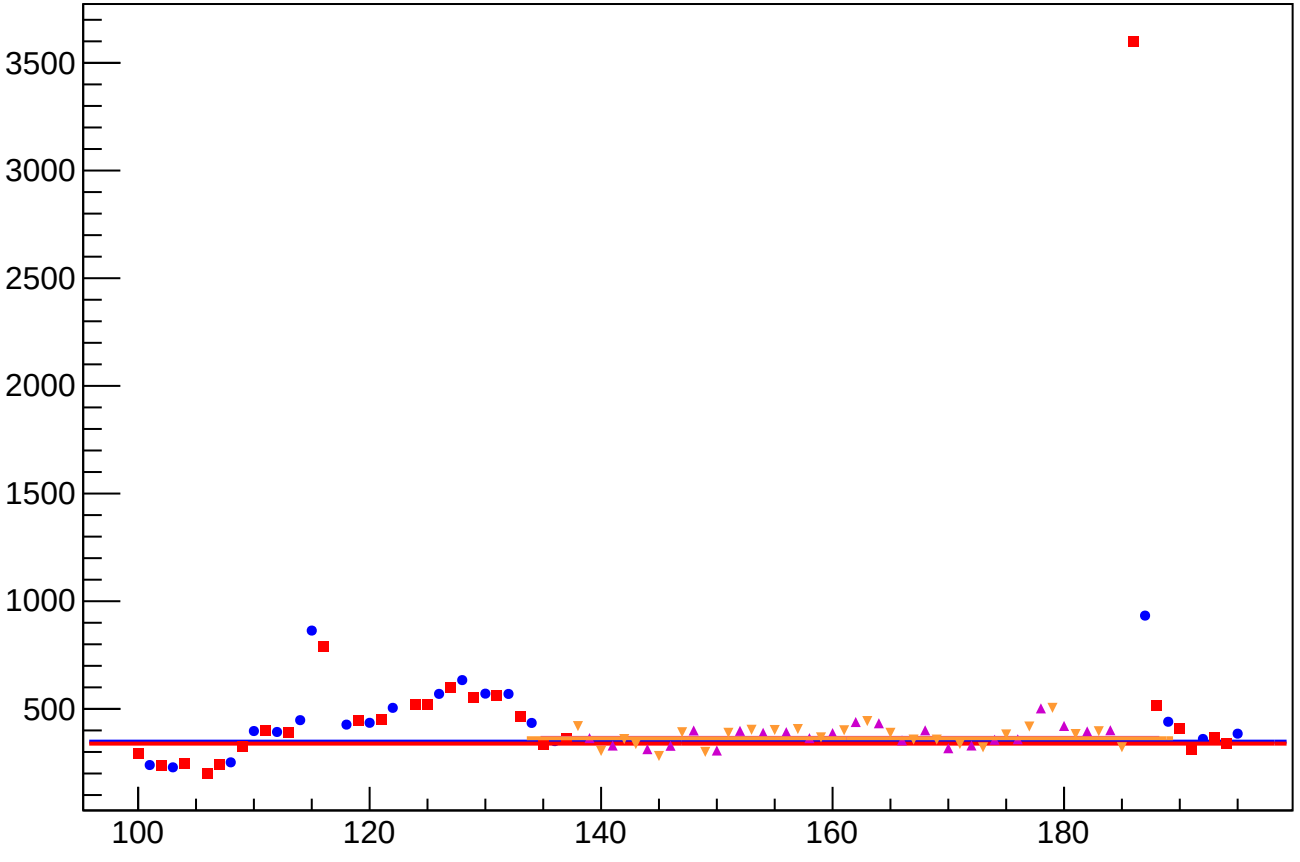
Right: 141.265+/-79.768 χ^2/NDF: 35.7/44

In: 50.162+/-69.496 χ^2/NDF:43.4/42

Out: -108.182+/-66.324 χ^2/NDF:64.3/49

All: -32.706+/-47.980 χ^2/NDF: 110.4/92

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 347.915+/-0.083 χ^2/NDF: 1841145.5/19

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 338.758+/-0.077 χ^2/NDF: 2590889.2/24

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

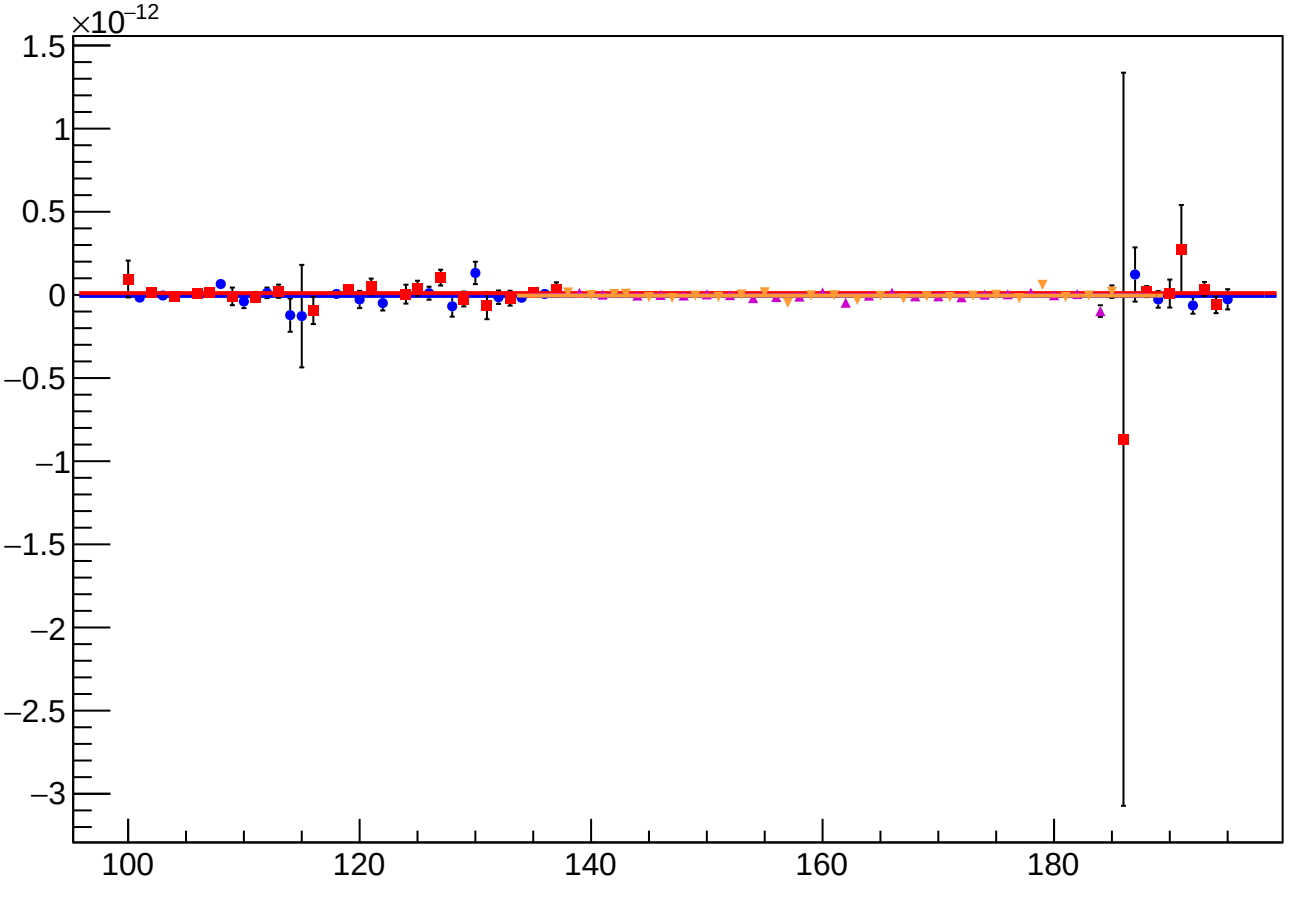
Right: 342.985+/-0.056 χ^2/NDF: 4438584.0/44

In: 359.224+/-0.049 χ^2/NDF:2379210.6/42

Out: 354.426+/-0.047 χ^2/NDF:3326299.2/49

All: 356.713+/-0.034 χ^2/NDF: 5710499.0/92

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/24

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

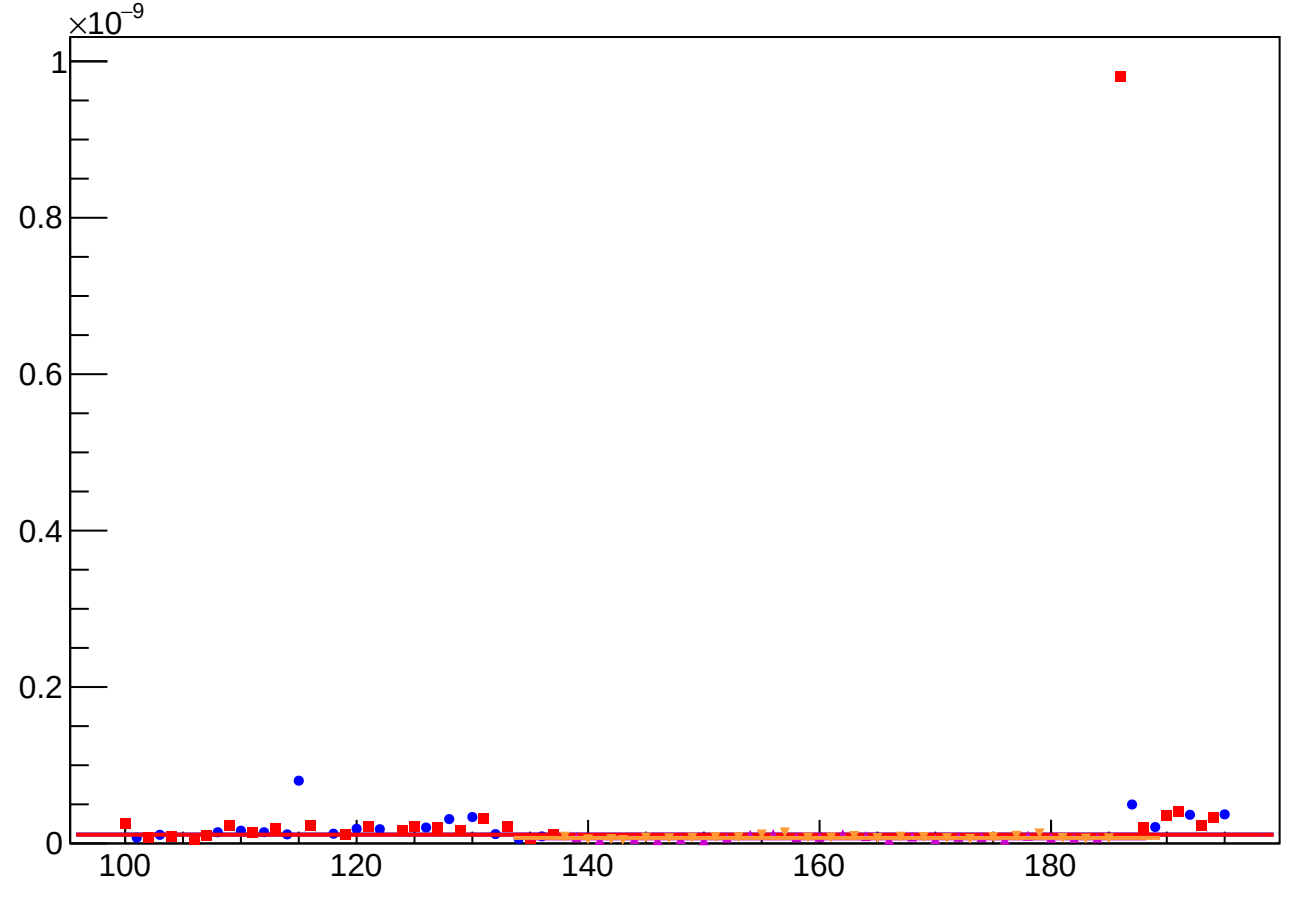
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 38.4/44

In: -0.000+/-0.000 χ^2/NDF:41.0/42

Out: -0.000+/-0.000 χ^2/NDF:42.9/49

All: -0.000+/-0.000 χ^2/NDF: 83.9/92



Right In: 0.000+/-0.000 χ^2/NDF: 2287104.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2795394.6/24

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

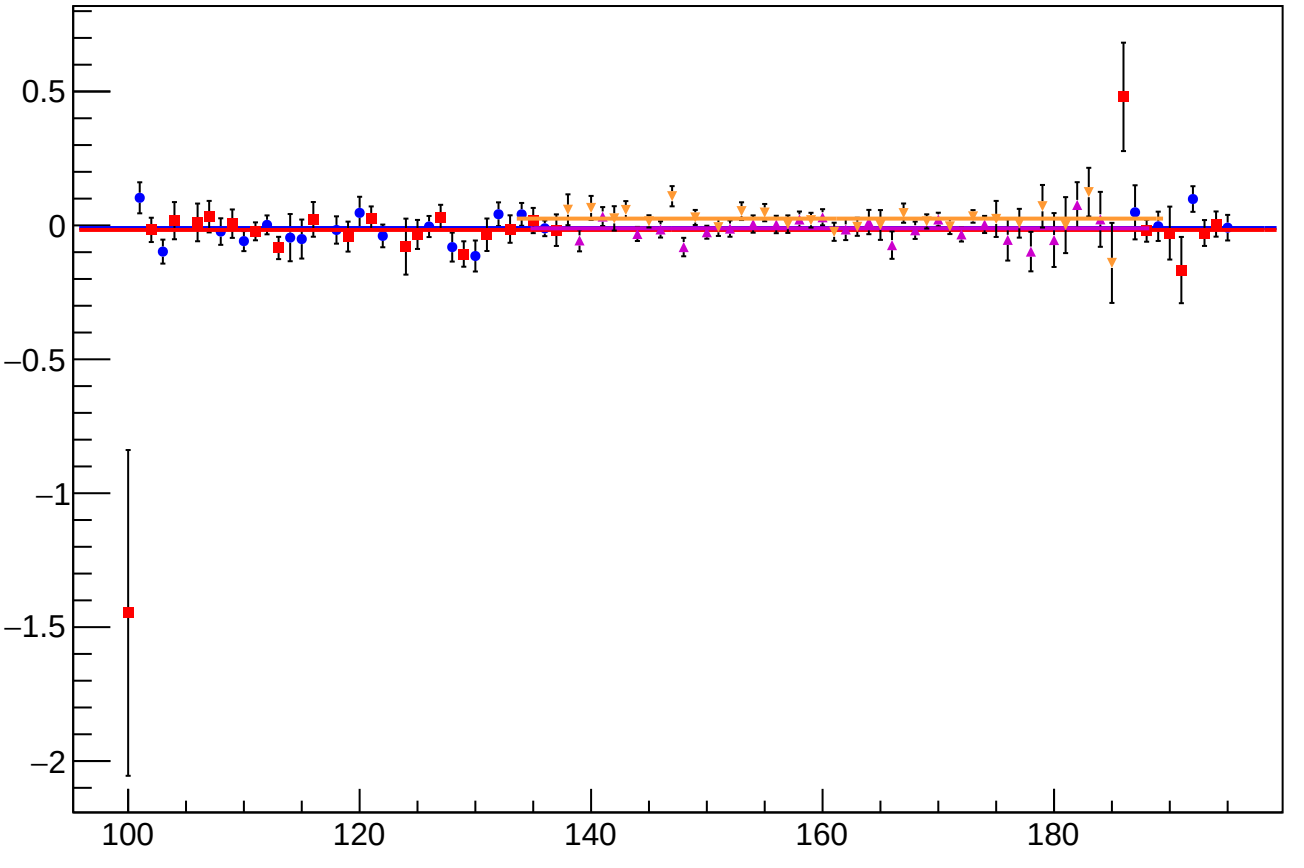
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5083383.4/44

In: 0.000+/-0.000 χ^2/NDF:4545684.6/42

Out: 0.000+/-0.000 χ^2/NDF:4407632.7/49

All: 0.000+/-0.000 χ^2/NDF: 9007635.7/92



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

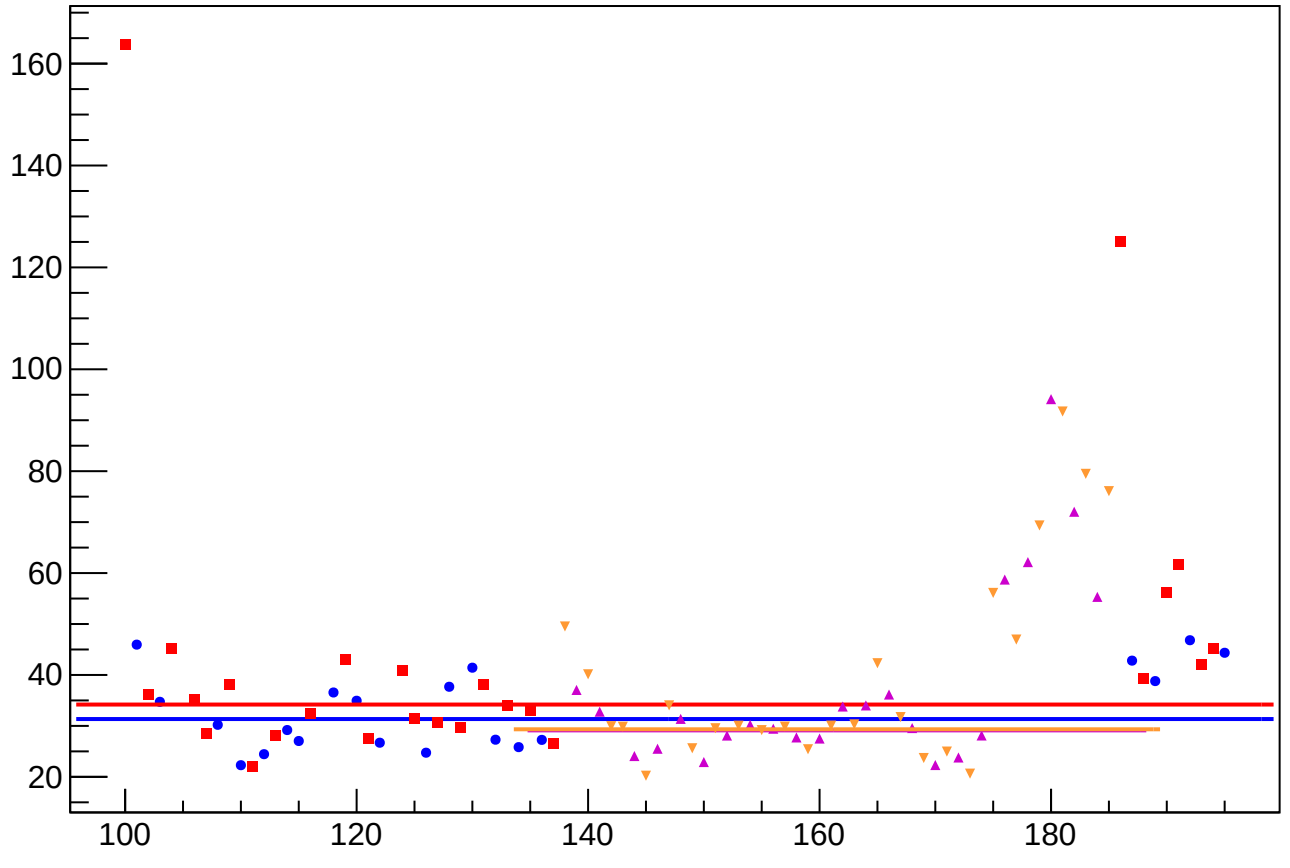
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.013+/-0.008 χ^2/NDF: 49.5/44

In: -0.011+/-0.006 χ^2/NDF:43.7/42

Out: 0.012+/-0.006 χ^2/NDF:52.6/49

All: 0.001+/-0.004 χ^2/NDF: 103.7/92



Right In: 31.348+/-0.007 χ^2/NDF: 1047693.6/19

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 34.192+/-0.008 χ^2/NDF: 1455630.5/24

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

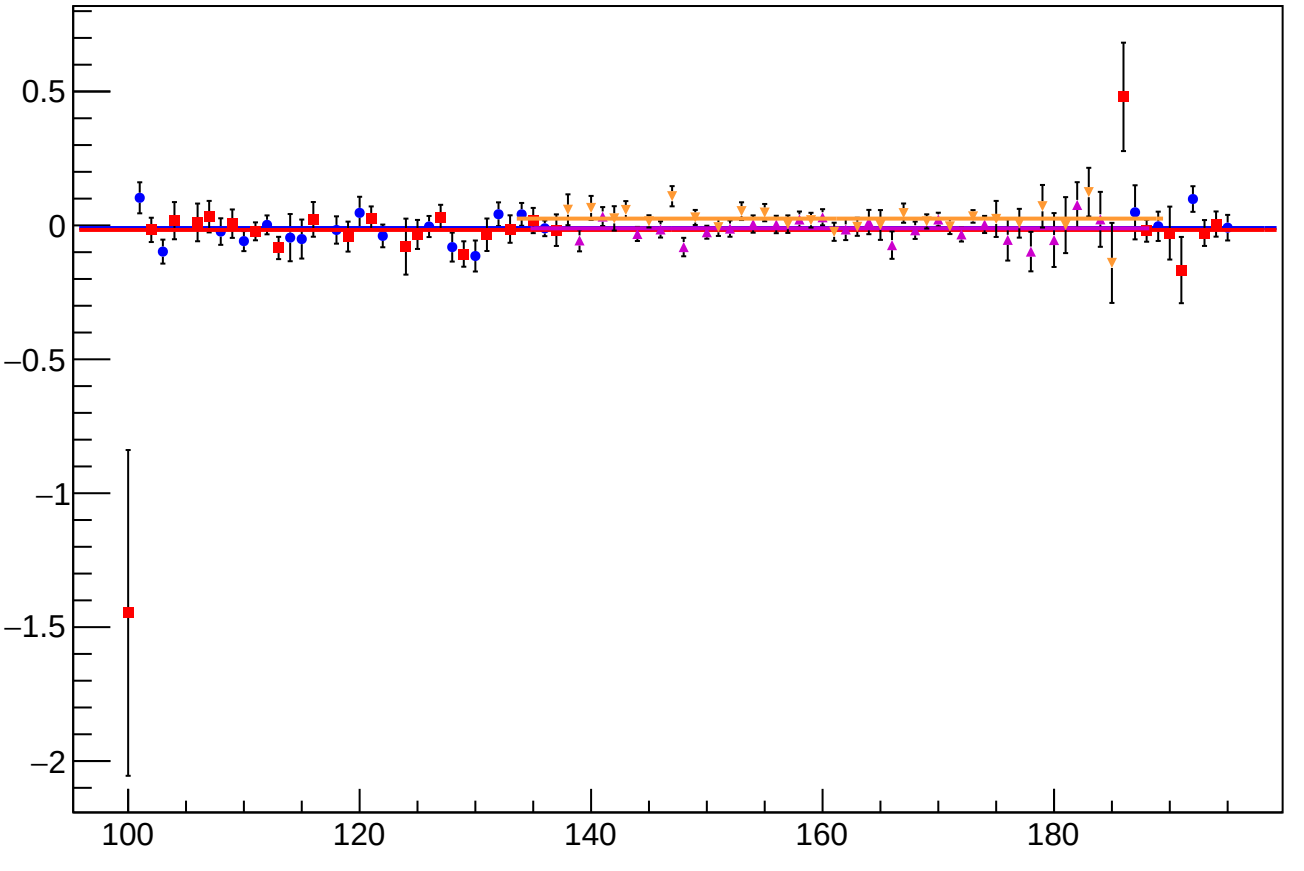
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 32.723+/-0.005 χ^2/NDF: 2574345.0/44

In: 29.849+/-0.004 χ^2/NDF:3947313.3/42

Out: 30.814+/-0.004 χ^2/NDF:5609328.5/49

All: 30.332+/-0.003 χ^2/NDF: 9582612.4/92



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

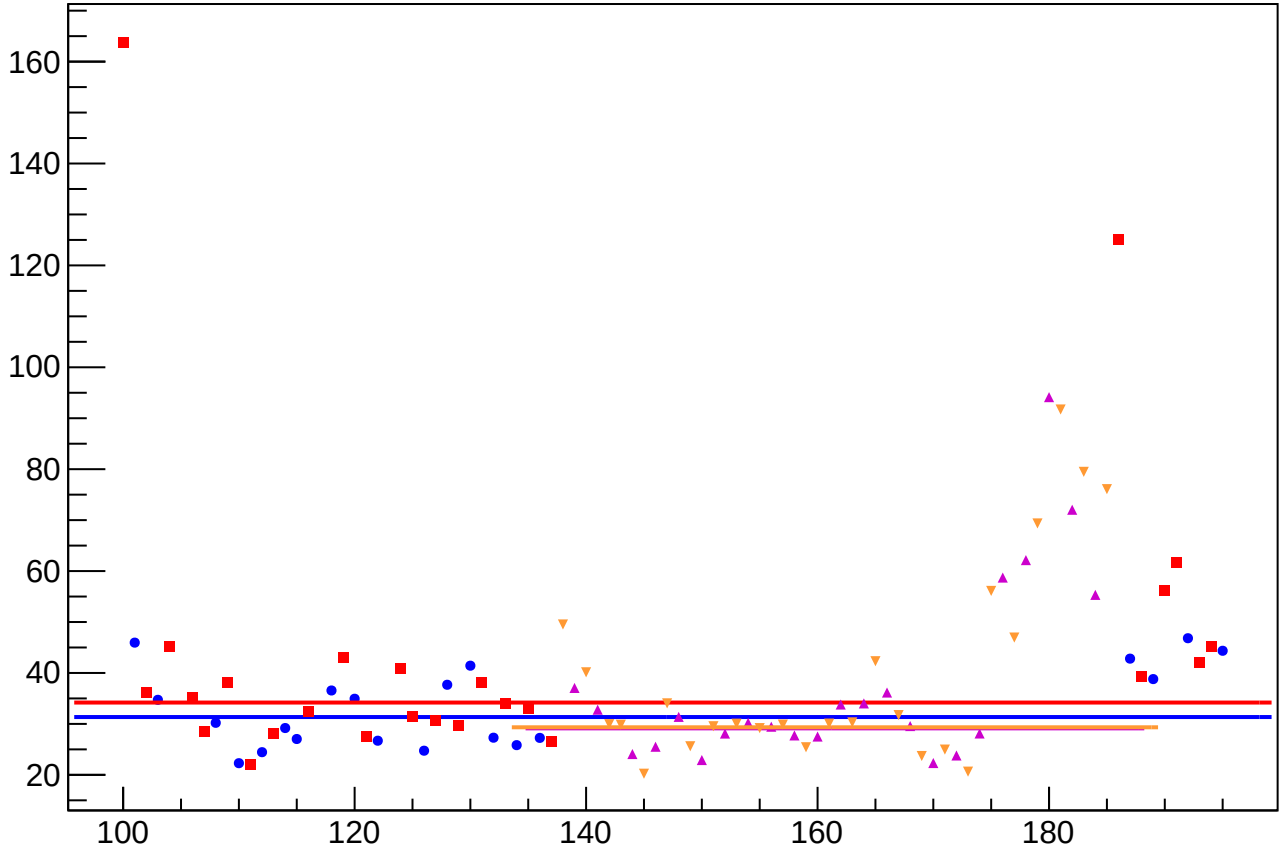
Right: -0.013+/-0.008 χ^2/NDF: 49.5/44

In: -0.011+/-0.006 χ^2/NDF:43.7/42

Out: 0.012+/-0.006 χ^2/NDF:52.6/49

All: 0.001+/-0.004 χ^2/NDF: 103.7/92

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.348+/-0.007 χ^2/NDF: 1047693.6/19

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 34.192+/-0.008 χ^2/NDF: 1455630.5/24

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

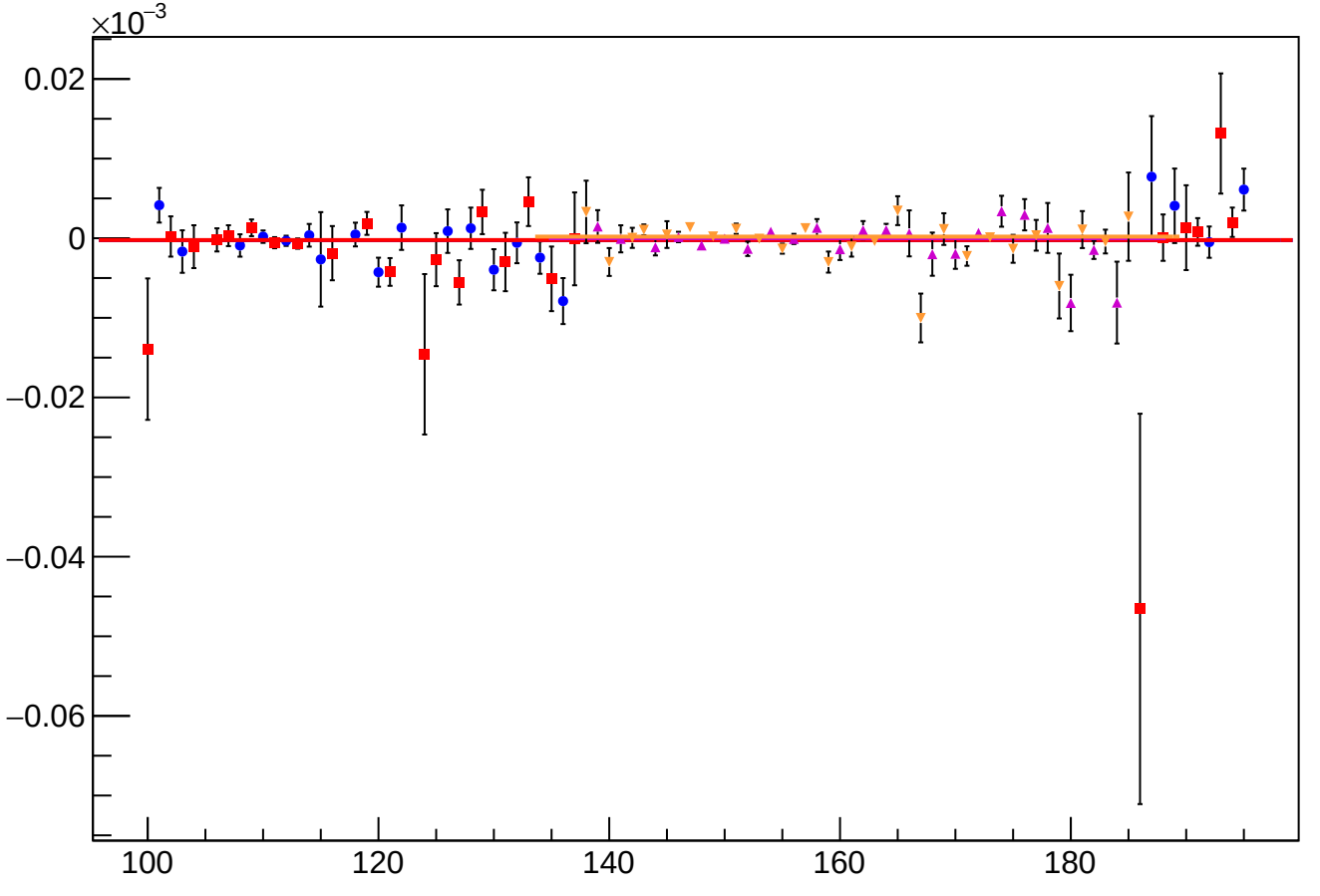
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 32.723+/-0.005 χ^2/NDF: 2574345.0/44

In: 29.849+/-0.004 χ^2/NDF:3947313.3/42

Out: 30.814+/-0.004 χ^2/NDF:5609328.5/49

All: 30.332+/-0.003 χ^2/NDF: 9582612.4/92



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/24

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

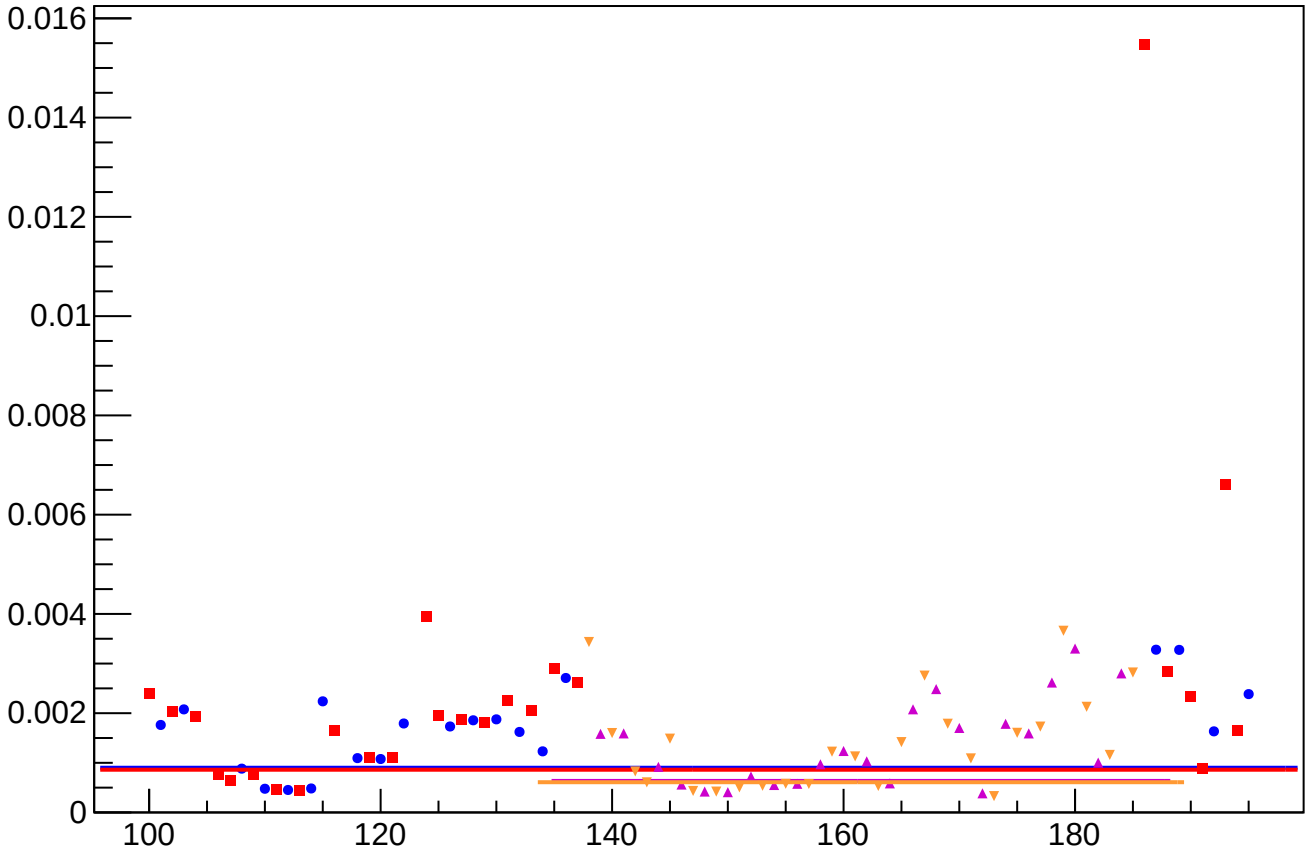
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 63.3/44

In: -0.000+/-0.000 χ^2/NDF:62.5/42

Out: 0.000+/-0.000 χ^2/NDF:88.1/49

All: 0.000+/-0.000 χ^2/NDF: 151.1/92



Right In: 0.001+/-0.000 χ^2/NDF: 6156644.7/19

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8065664.5/24

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

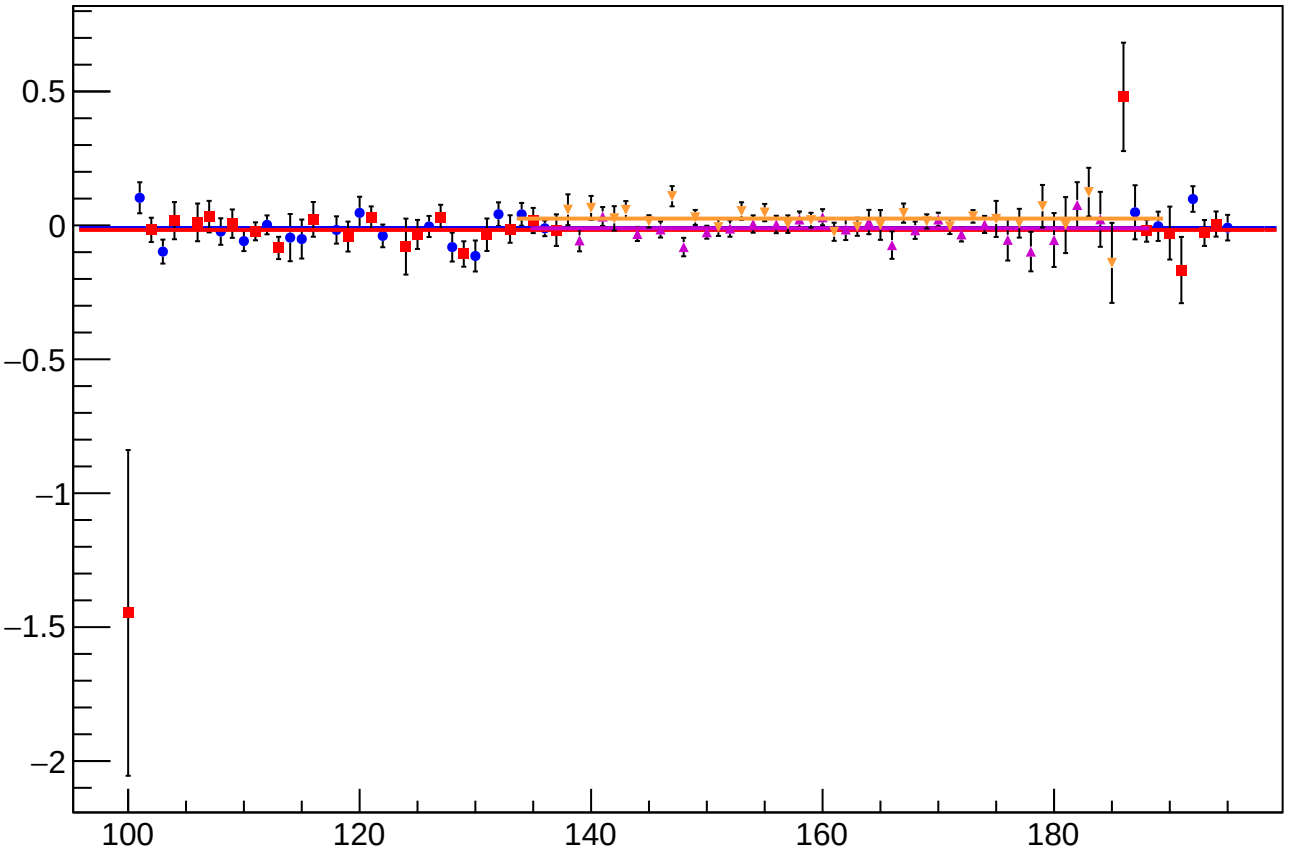
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 14235411.7/44

In: 0.001+/-0.000 χ^2/NDF:16403806.0/42

Out: 0.001+/-0.000 χ^2/NDF:19940845.9/49

All: 0.001+/-0.000 χ^2/NDF: 36377798.7/92



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

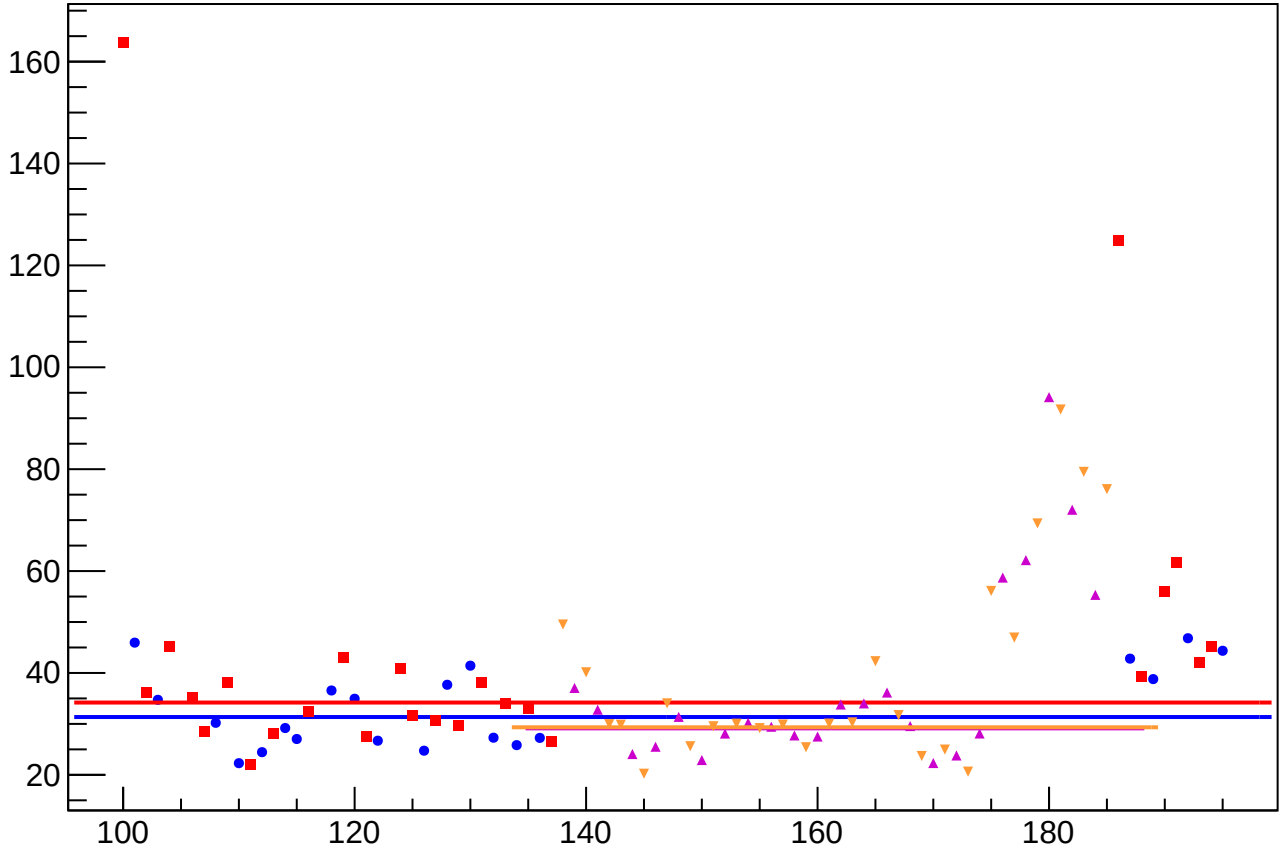
Right: -0.013+/-0.008 χ^2/NDF: 49.5/44

In: -0.011+/-0.006 χ^2/NDF:43.7/42

Out: 0.012+/-0.006 χ^2/NDF:52.6/49

All: 0.001+/-0.004 χ^2/NDF: 103.7/92

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.348+/-0.007 χ^2/NDF: 1047653.6/19

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 34.192+/-0.008 χ^2/NDF: 1455545.4/24

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

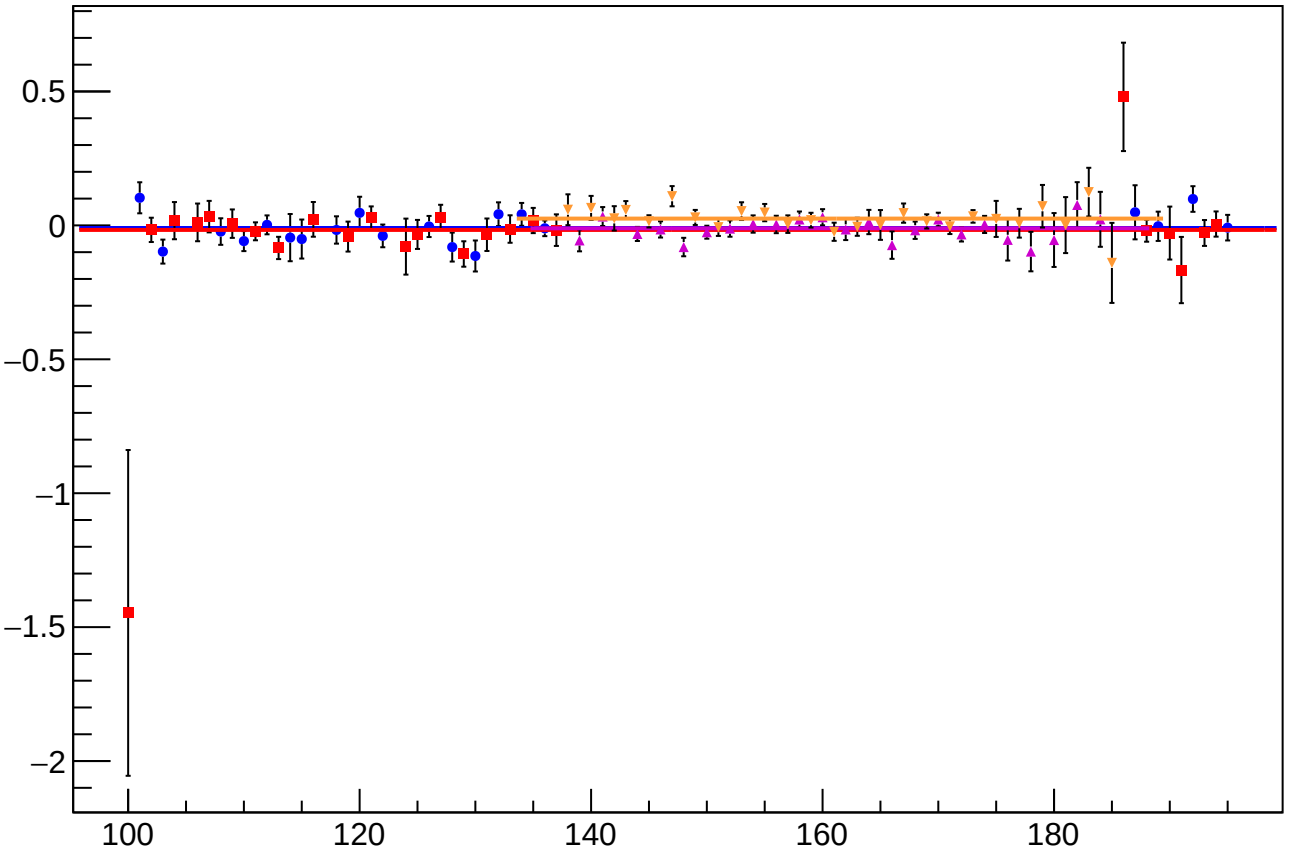
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 32.723+/-0.005 χ^2/NDF: 2574222.4/44

In: 29.849+/-0.004 χ^2/NDF:3947250.3/42

Out: 30.814+/-0.004 χ^2/NDF:5609348.7/49

All: 30.332+/-0.003 χ^2/NDF: 9582568.5/92



Right In: -0.010+/-0.010 χ^2/NDF: 24.7/19

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

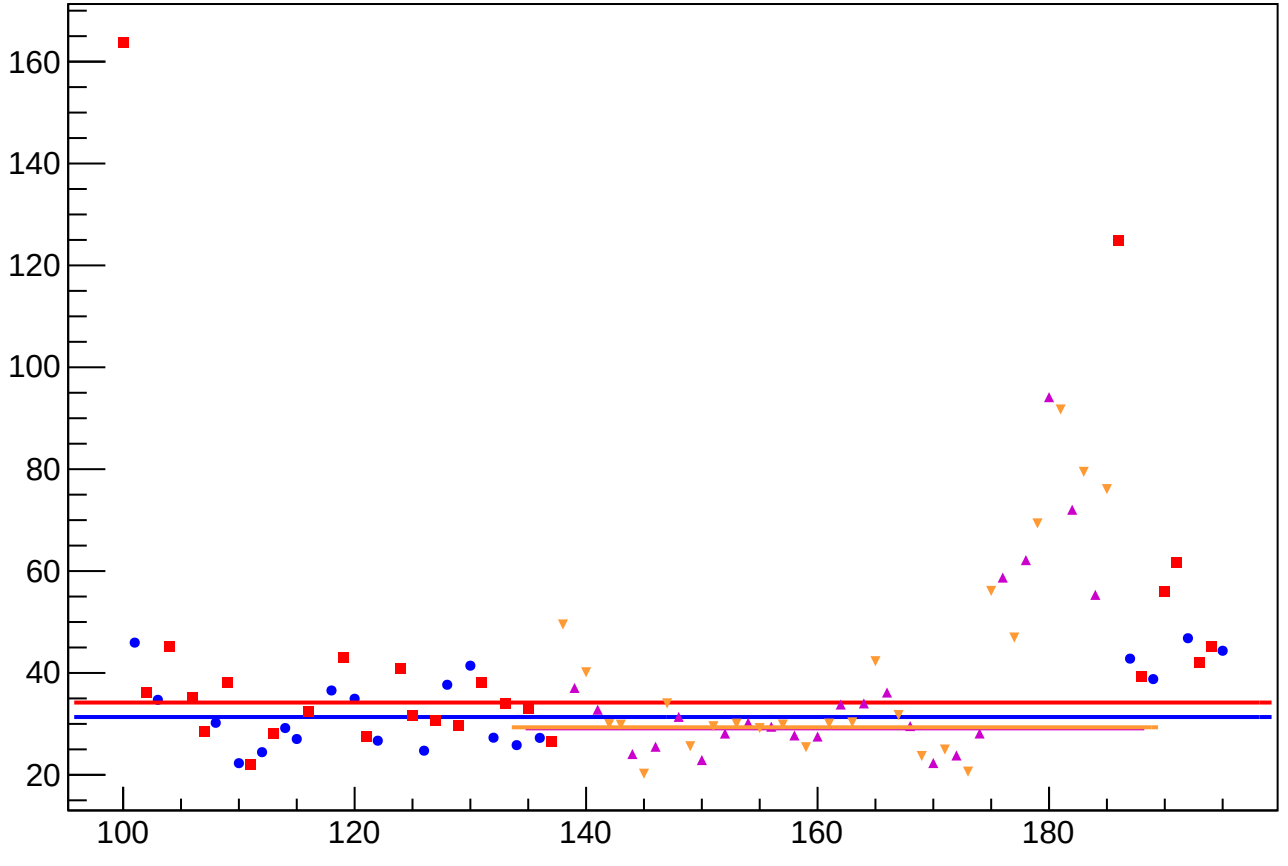
Right: -0.013+/-0.008 χ^2/NDF: 49.5/44

In: -0.011+/-0.006 χ^2/NDF:43.7/42

Out: 0.012+/-0.006 χ^2/NDF:52.6/49

All: 0.001+/-0.004 χ^2/NDF: 103.7/92

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.348+/-0.007 χ^2/NDF: 1047653.6/19

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 34.192+/-0.008 χ^2/NDF: 1455545.4/24

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

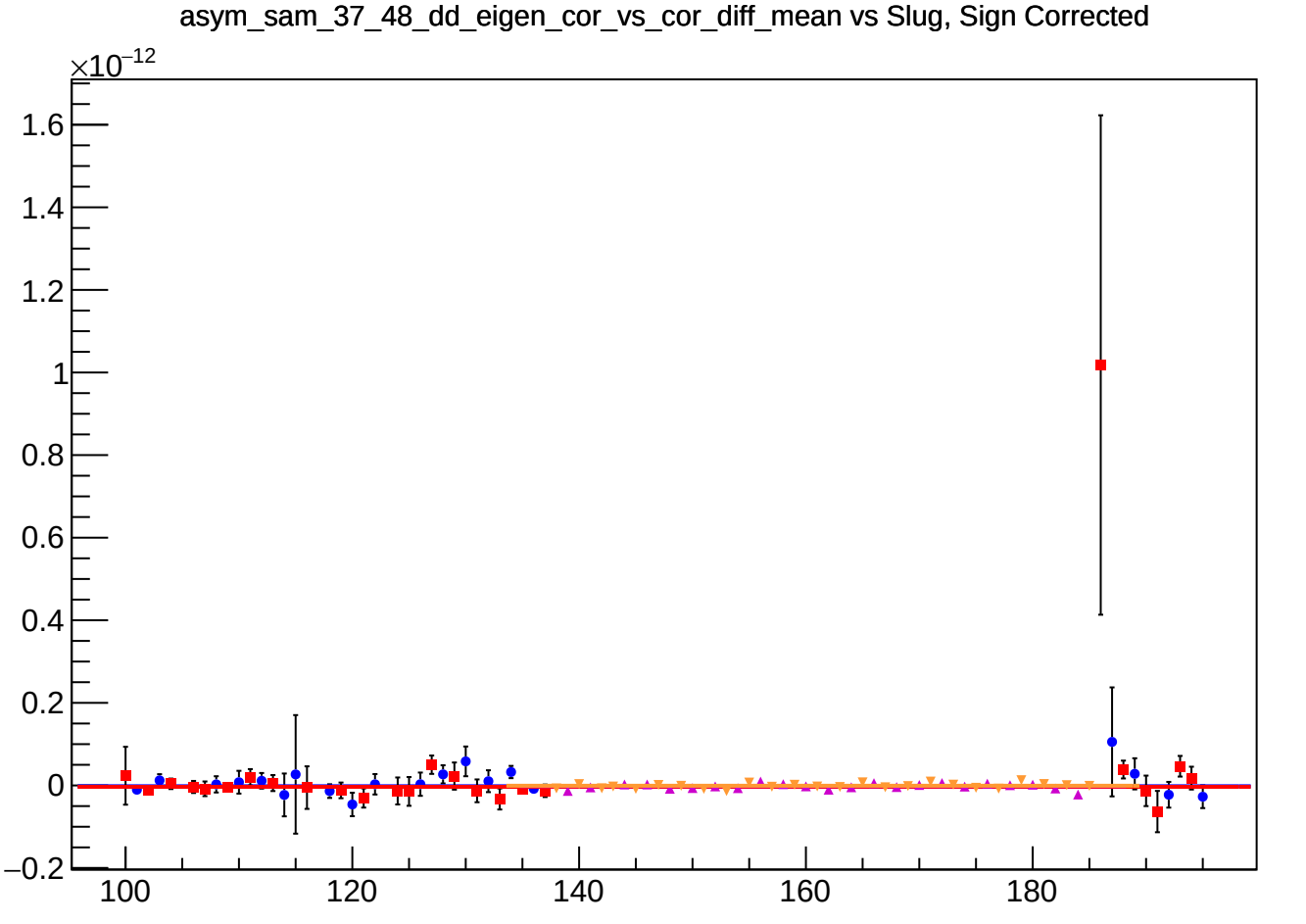
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 32.723+/-0.005 χ^2/NDF: 2574222.4/44

In: 29.849+/-0.004 χ^2/NDF:3947250.3/42

Out: 30.814+/-0.004 χ^2/NDF:5609348.7/49

All: 30.332+/-0.003 χ^2/NDF: 9582568.5/92



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/19

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

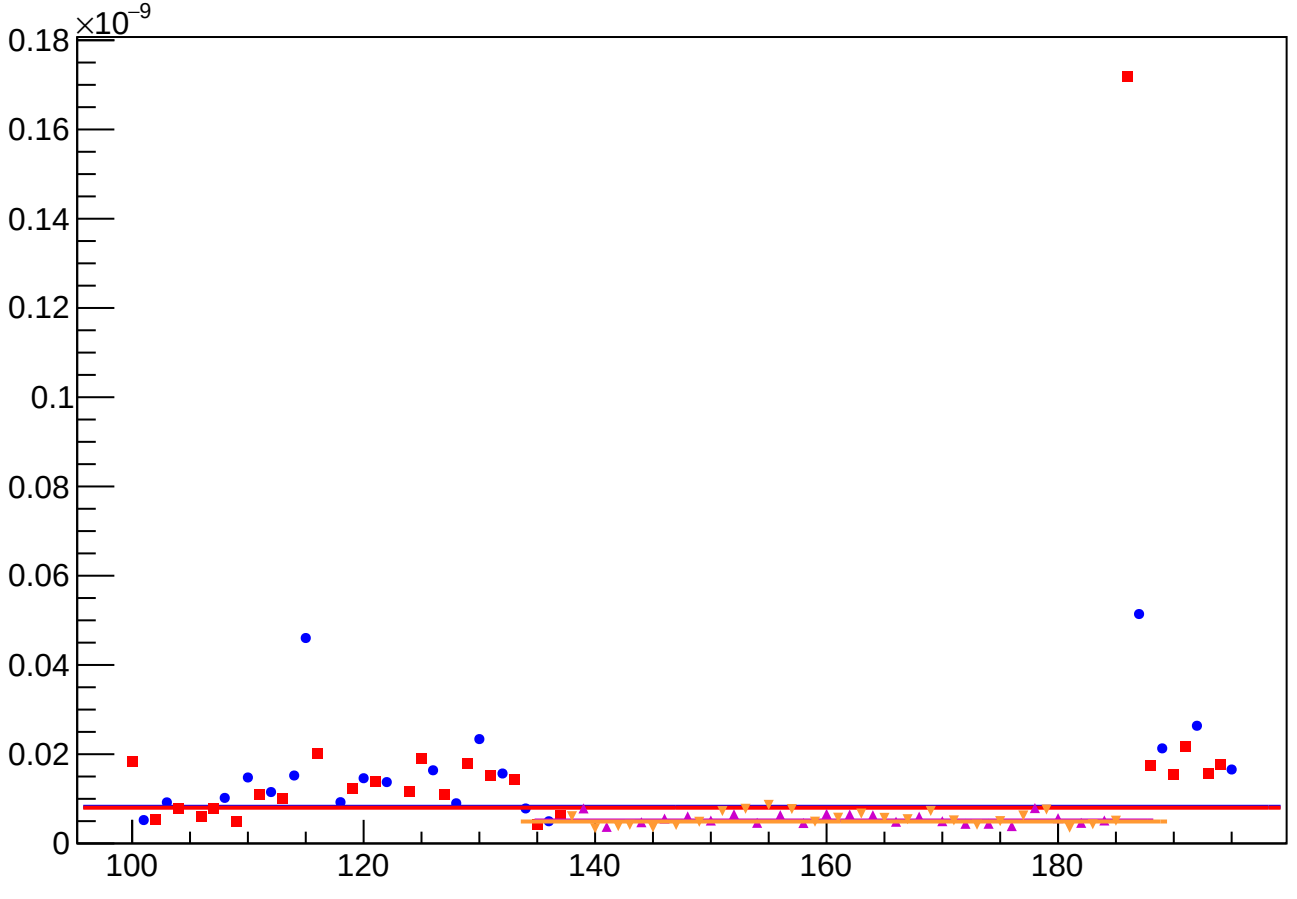
Right: -0.000+/-0.000 χ^2/NDF: 46.0/44

In: -0.000+/-0.000 χ^2/NDF:36.1/42

Out: -0.000+/-0.000 χ^2/NDF:41.9/49

All: -0.000+/-0.000 χ^2/NDF: 78.1/92

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3389239.2/19

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3270897.4/24

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

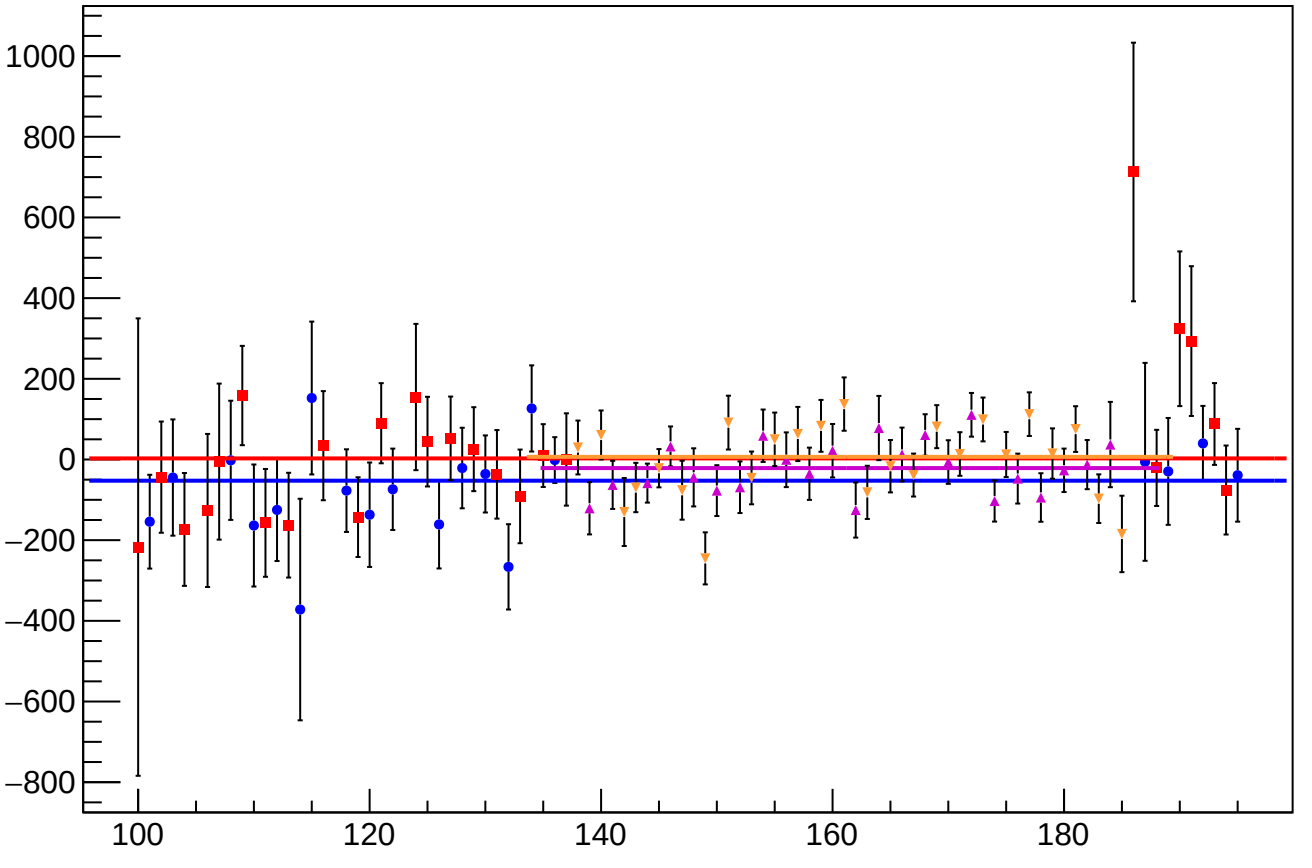
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6663454.8/44

In: 0.000+/-0.000 χ^2/NDF:5536771.0/42

Out: 0.000+/-0.000 χ^2/NDF:6484606.2/49

All: 0.000+/-0.000 χ^2/NDF: 12047588.2/92



Right In: -52.579+/-24.883 χ^2/NDF: 14.7/19

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 2.684+/-24.585 χ^2/NDF: 23.3/24

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

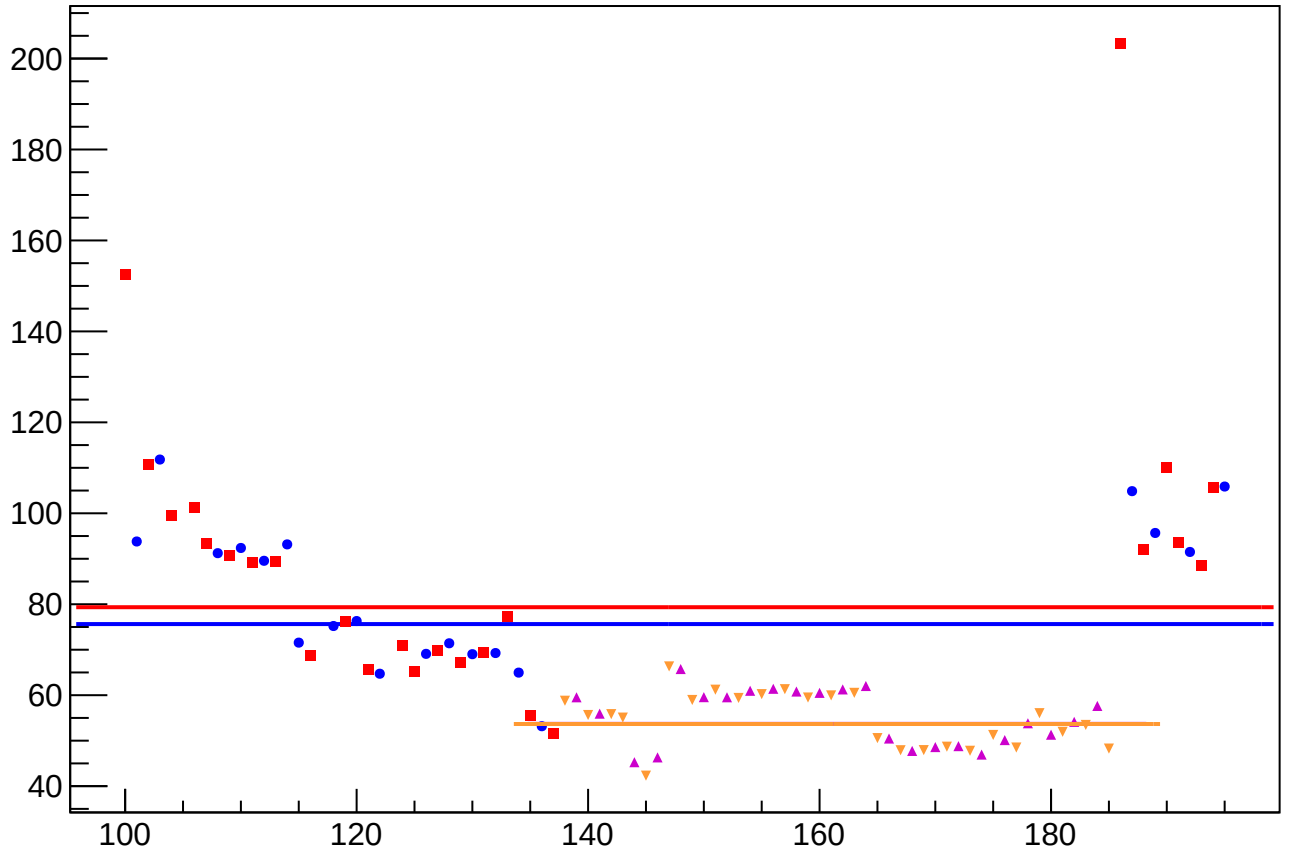
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -24.616+/-17.489 χ^2/NDF: 40.5/44

In: -27.752+/-11.276 χ^2/NDF:41.3/42

Out: 5.756+/-10.991 χ^2/NDF:73.9/49

All: -10.569+/-7.871 χ^2/NDF: 119.8/92



Right In: 75.639+/-0.018 χ^2/NDF: 910409.1/19

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.347+/-0.017 χ^2/NDF: 1241881.6/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

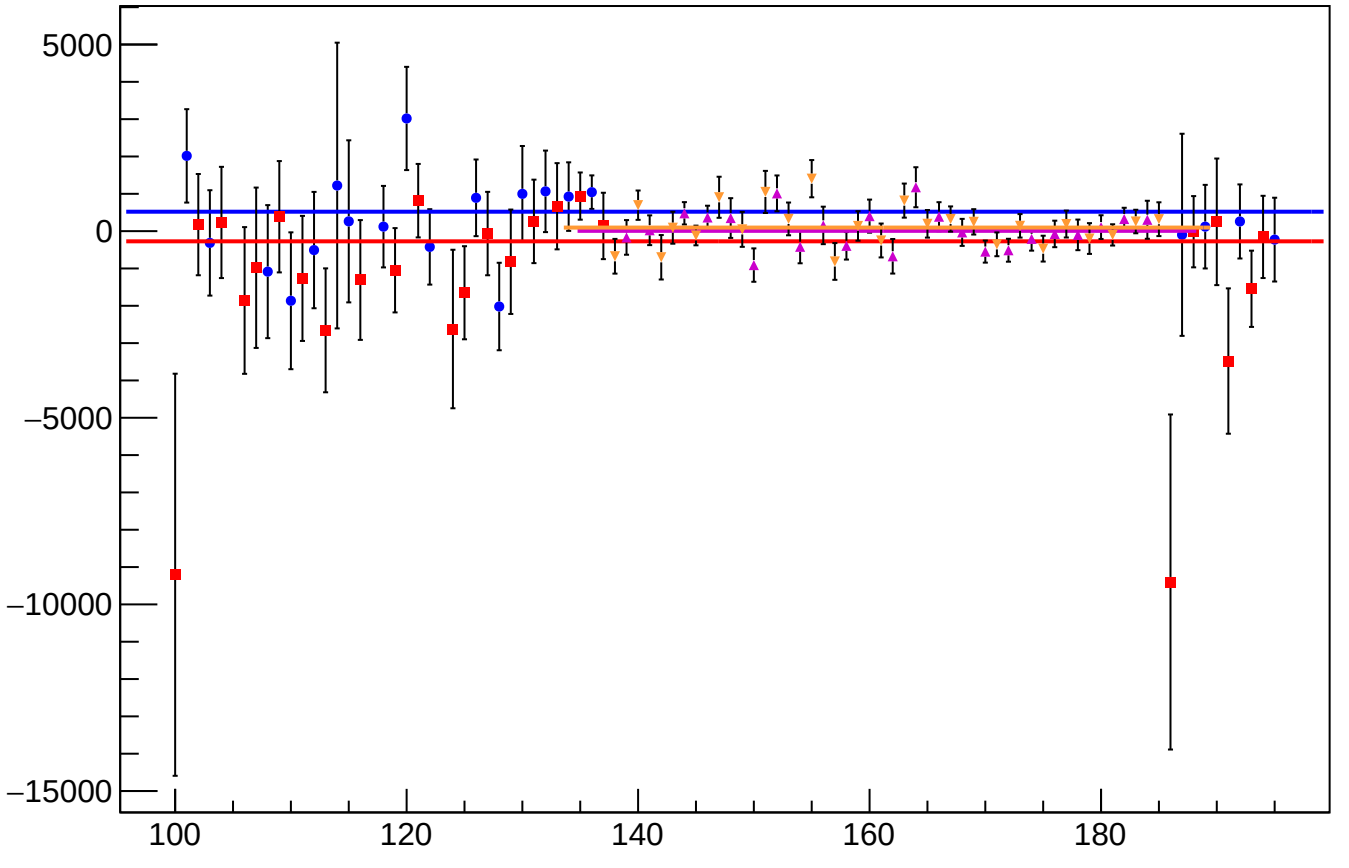
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.515+/-0.012 χ^2/NDF: 2174764.9/44

In: 58.201+/-0.008 χ^2/NDF:2617888.1/42

Out: 58.798+/-0.008 χ^2/NDF:3460264.5/49

All: 58.507+/-0.006 χ^2/NDF: 6081028.5/92



Right In: 520.681+/-244.037 χ^2/NDF: 16.5/19

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -272.826+/-250.687 χ^2/NDF: 24.4/24

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

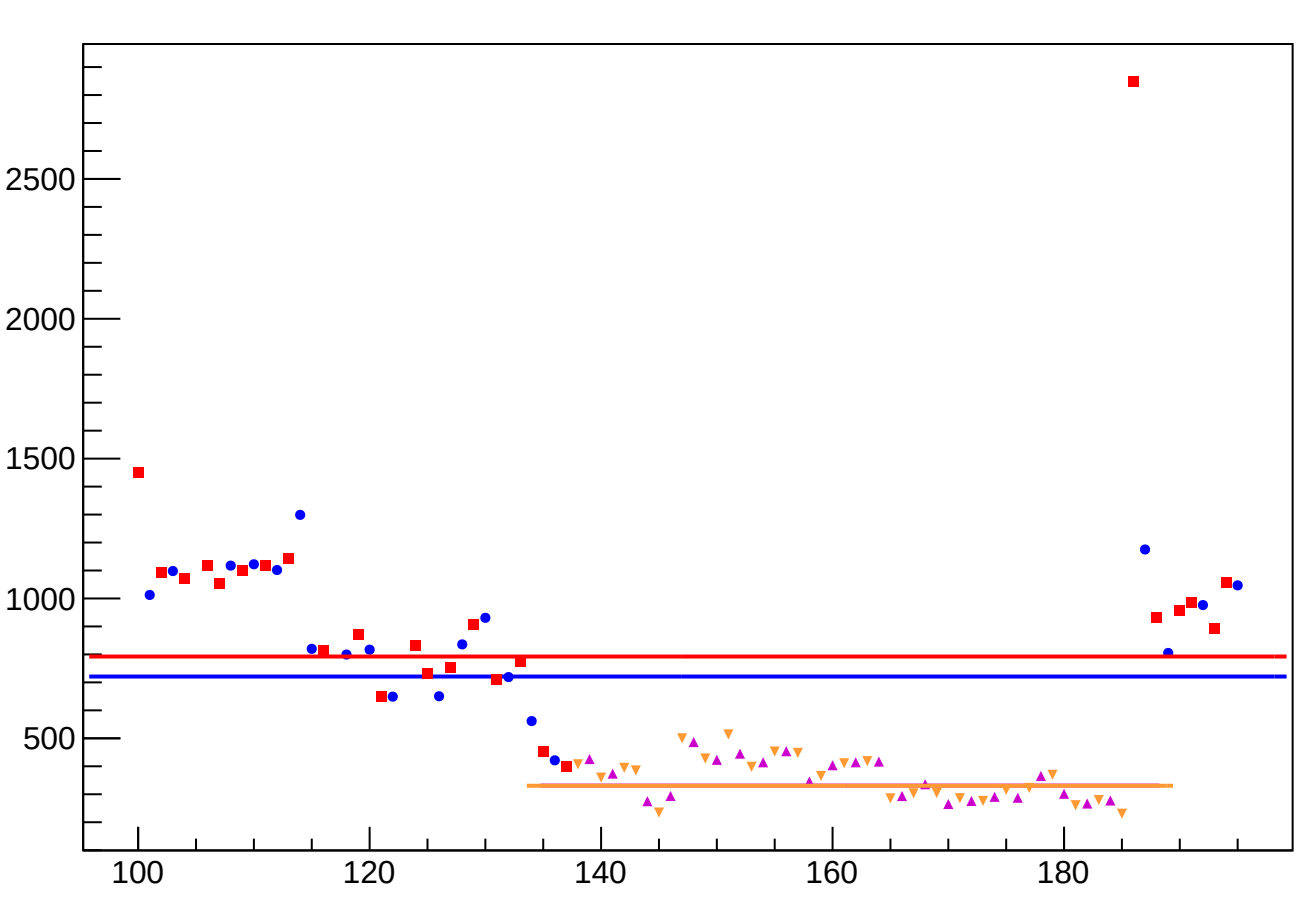
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

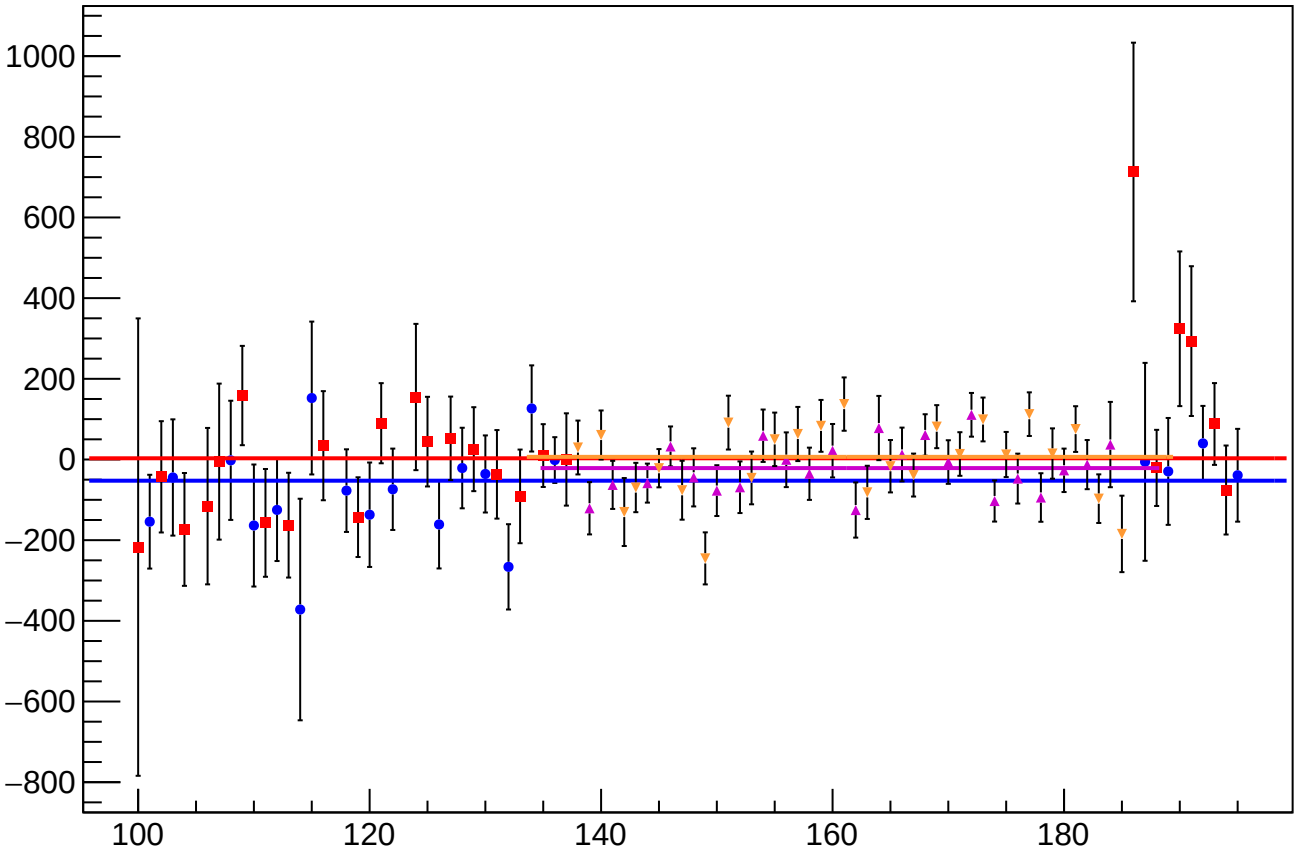
Right: 134.591+/-174.864 χ^2/NDF: 46.1/44

In: 56.661+/-75.268 χ^2/NDF:52.8/42

Out: 63.605+/-73.723 χ^2/NDF:59.6/49

All: 60.205+/-52.668 χ^2/NDF: 112.4/92


asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 720.918+/-0.173 χ²/NDF: 2046221.5/19
Left Out: 330.405+/-0.055 χ²/NDF:1752470.5/24
Right Out: 792.451+/-0.177 χ²/NDF: 2226596.7/24
Left In: 331.059+/-0.056 χ²/NDF:1325602.5/22
Left: 330.724+/-0.039 χ²/NDF: 3078142.9/47
Right: 755.723+/-0.124 χ²/NDF: 4356429.0/44
In: 368.145+/-0.053 χ²/NDF:7990541.4/42
Out: 370.366+/-0.052 χ²/NDF:10185626.1/49
All: 369.278+/-0.037 χ²/NDF: 18177056.1/92



Right In: -52.571+/-24.883 χ^2/NDF: 14.7/19

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 2.978+/-24.595 χ^2/NDF: 23.2/24

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

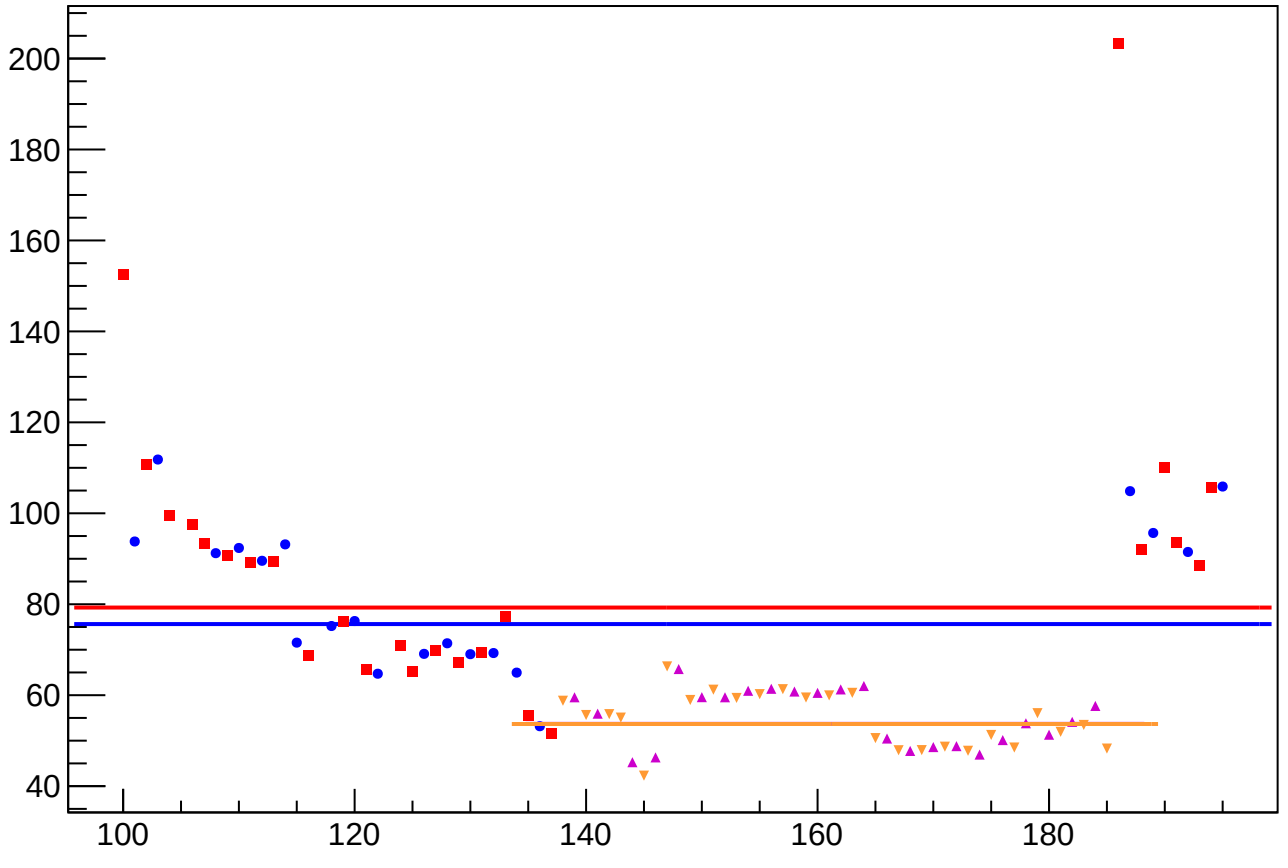
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -24.473+/-17.492 χ^2/NDF: 40.5/44

In: -27.749+/-11.276 χ^2/NDF:41.3/42

Out: 5.817+/-10.992 χ^2/NDF:73.8/49

All: -10.538+/-7.871 χ^2/NDF: 119.7/92



Right In: 75.639+/-0.018 χ^2/NDF: 910411.5/19

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.273+/-0.017 χ^2/NDF: 1233154.5/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

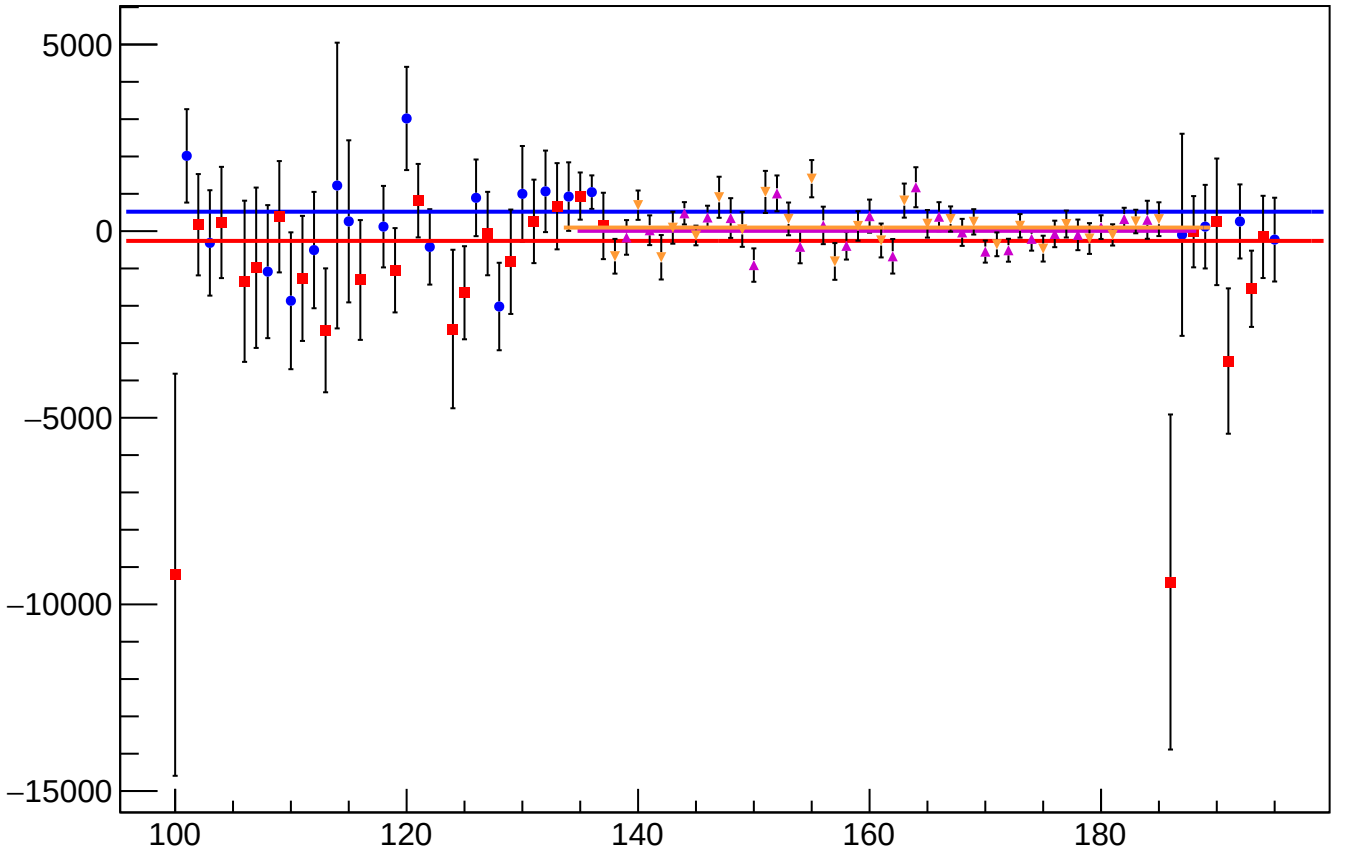
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.477+/-0.012 χ^2/NDF: 2165142.1/44

In: 58.201+/-0.008 χ^2/NDF:2617890.7/42

Out: 58.780+/-0.008 χ^2/NDF:3440428.8/49

All: 58.498+/-0.006 χ^2/NDF: 6061025.5/92



Right In: 520.671+/-244.038 χ^2/NDF: 16.5/19

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -261.564+/-251.043 χ^2/NDF: 24.0/24

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

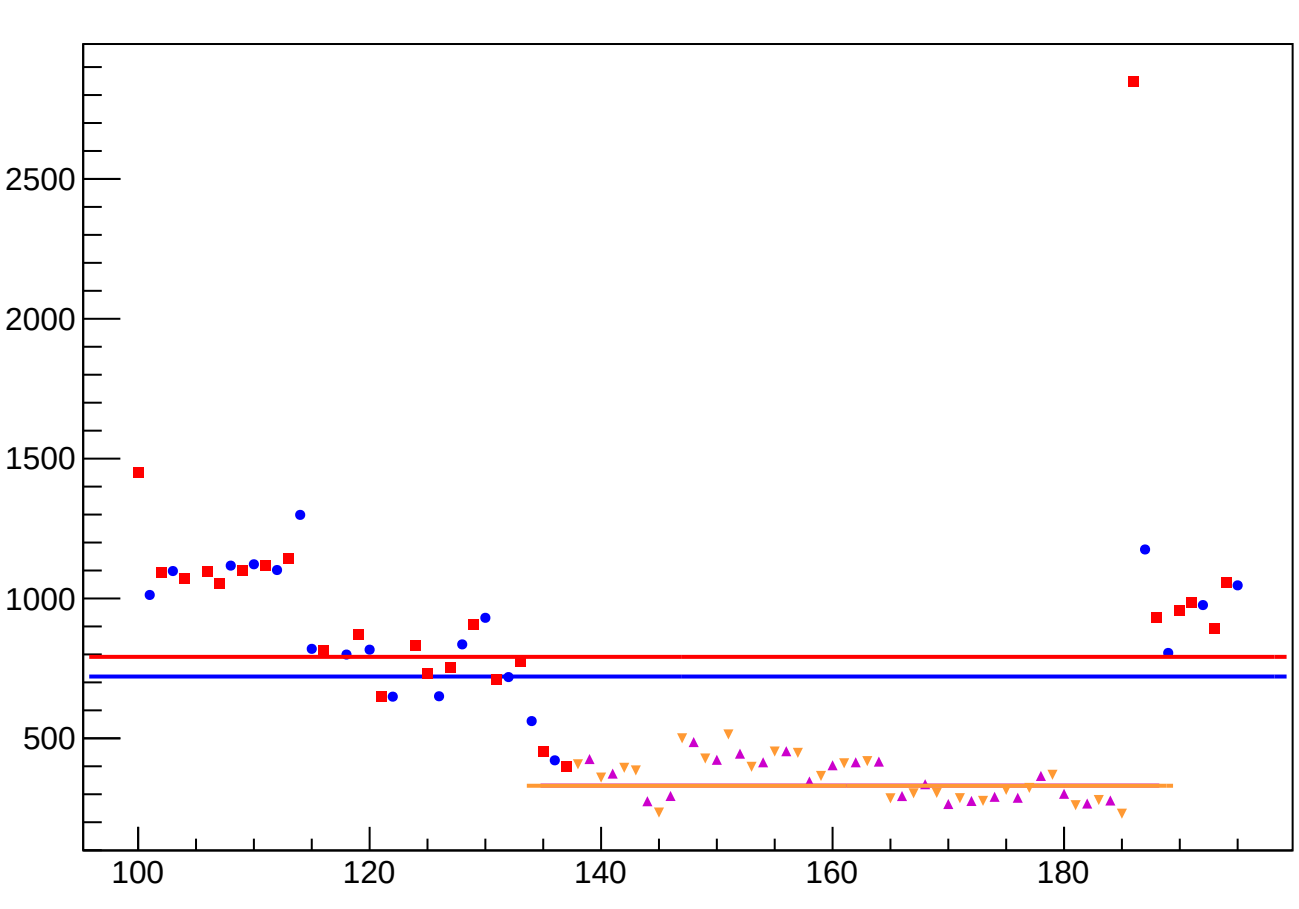
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 140.620+/-174.985 χ^2/NDF: 45.5/44

In: 56.656+/-75.268 χ^2/NDF:52.8/42

Out: 64.661+/-73.732 χ^2/NDF:59.1/49

All: 60.741+/-52.671 χ^2/NDF: 111.9/92



Right In: 720.919+/-0.173 χ^2/NDF: 2046246.1/19

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 791.243+/-0.178 χ^2/NDF: 2211324.1/24

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

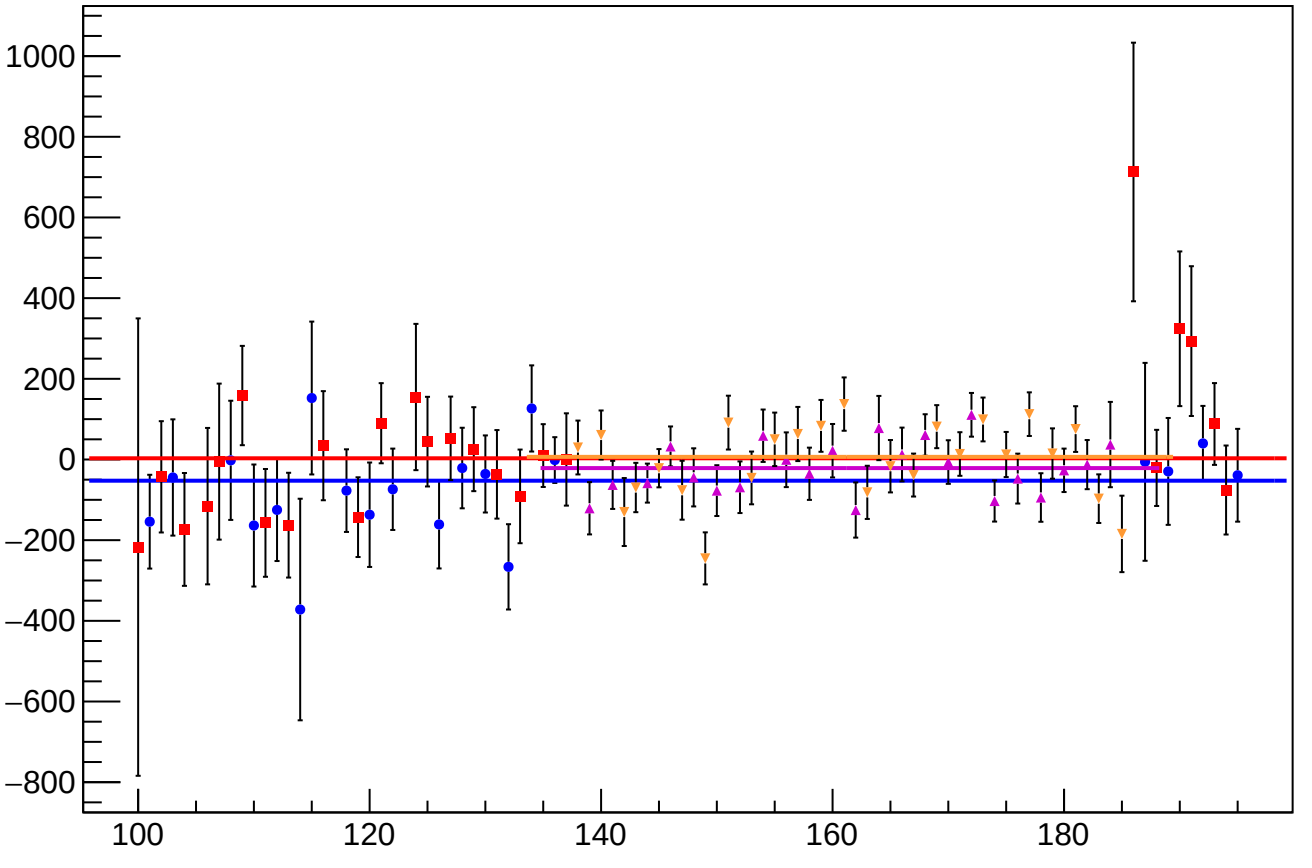
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 755.086+/-0.124 χ^2/NDF: 4338263.1/44

In: 368.145+/-0.053 χ^2/NDF:7990573.6/42

Out: 370.158+/-0.052 χ^2/NDF:10121975.8/49

All: 369.172+/-0.037 χ^2/NDF: 18113279.6/92



Right In: -52.571+/-24.883 χ^2/NDF: 14.7/19

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 2.978+/-24.595 χ^2/NDF: 23.2/24

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

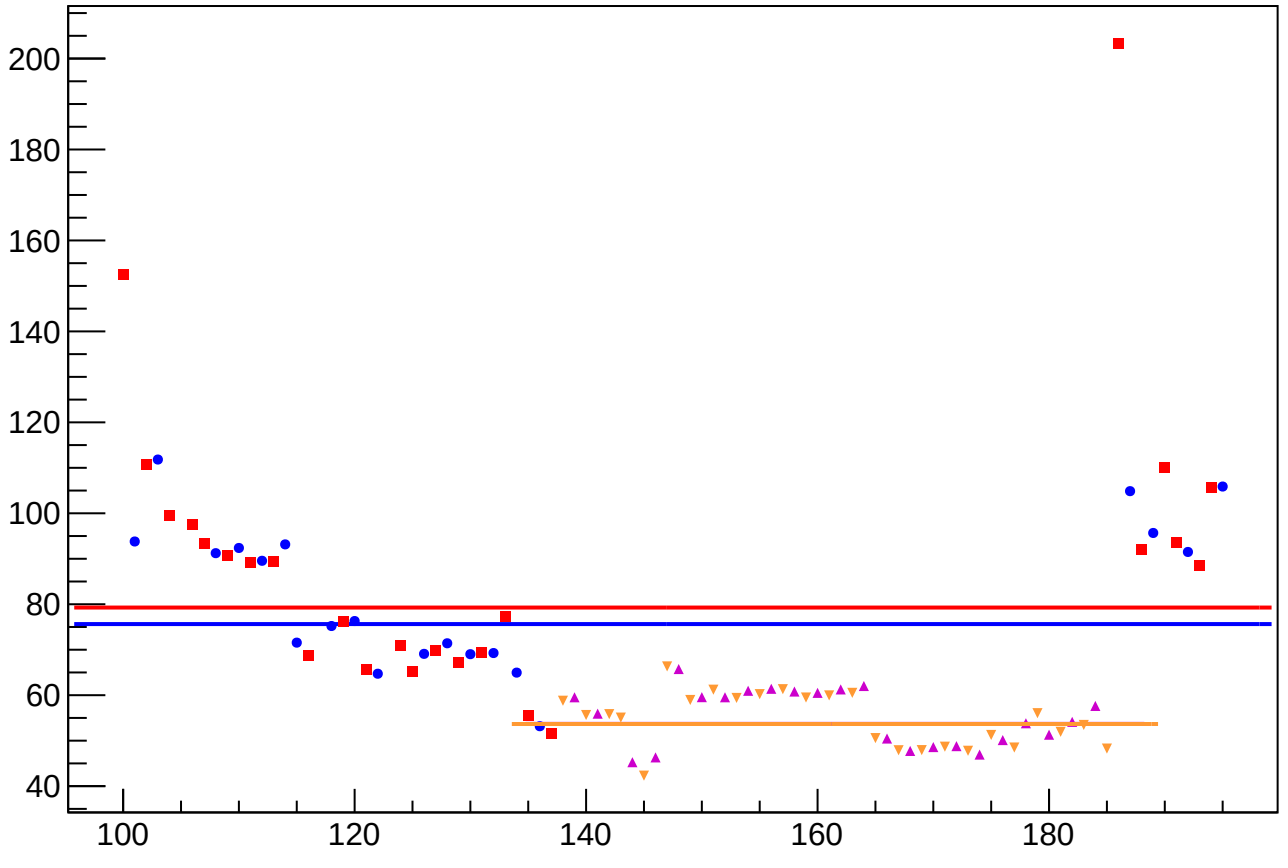
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -24.473+/-17.492 χ^2/NDF: 40.5/44

In: -27.749+/-11.276 χ^2/NDF:41.3/42

Out: 5.817+/-10.992 χ^2/NDF:73.8/49

All: -10.538+/-7.871 χ^2/NDF: 119.7/92



Right In: 75.639+/-0.018 χ^2/NDF: 910411.5/19

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.273+/-0.017 χ^2/NDF: 1233154.5/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

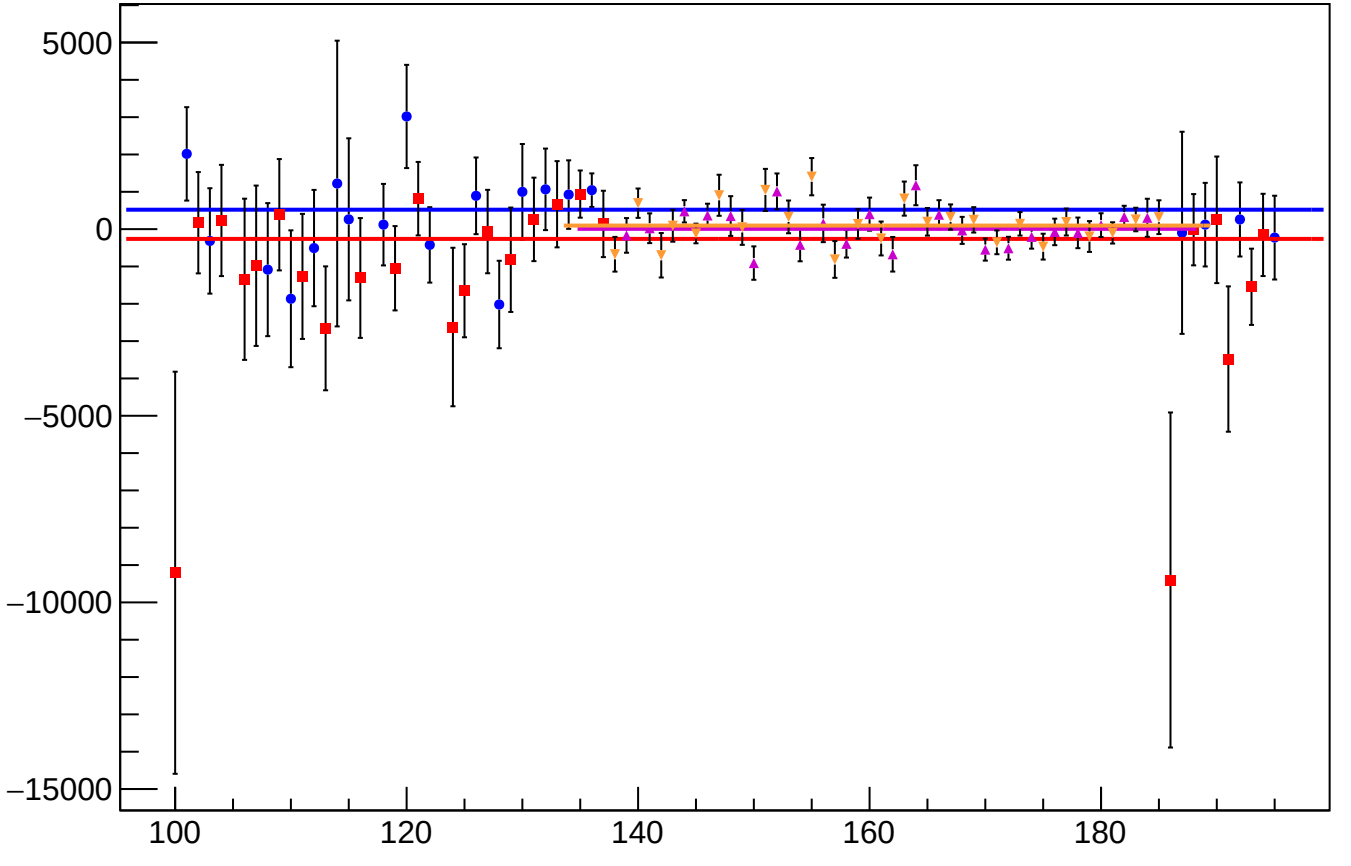
Right: 77.477+/-0.012 χ^2/NDF: 2165142.1/44

In: 58.201+/-0.008 χ^2/NDF:2617890.7/42

Out: 58.780+/-0.008 χ^2/NDF:3440428.8/49

All: 58.498+/-0.006 χ^2/NDF: 6061025.5/92

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 520.671+/-244.038 χ^2/NDF: 16.5/19

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -261.564+/-251.043 χ^2/NDF: 24.0/24

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

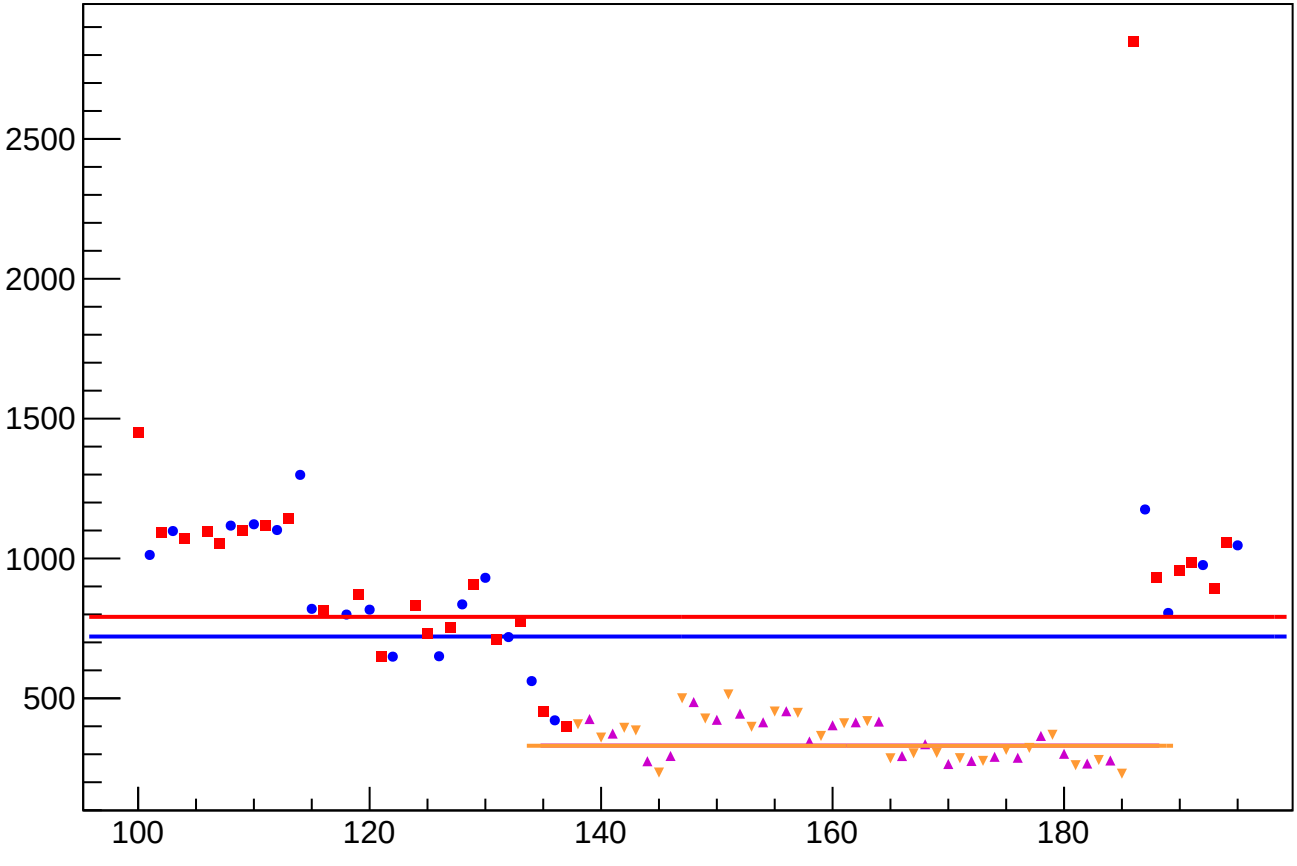
Right: 140.620+/-174.985 χ^2/NDF: 45.5/44

In: 56.656+/-75.268 χ^2/NDF:52.8/42

Out: 64.661+/-73.732 χ^2/NDF:59.1/49

All: 60.741+/-52.671 χ^2/NDF: 111.9/92

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 720.919+/-0.173 χ^2/NDF: 2046246.1/19

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 791.243+/-0.178 χ^2/NDF: 2211324.1/24

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

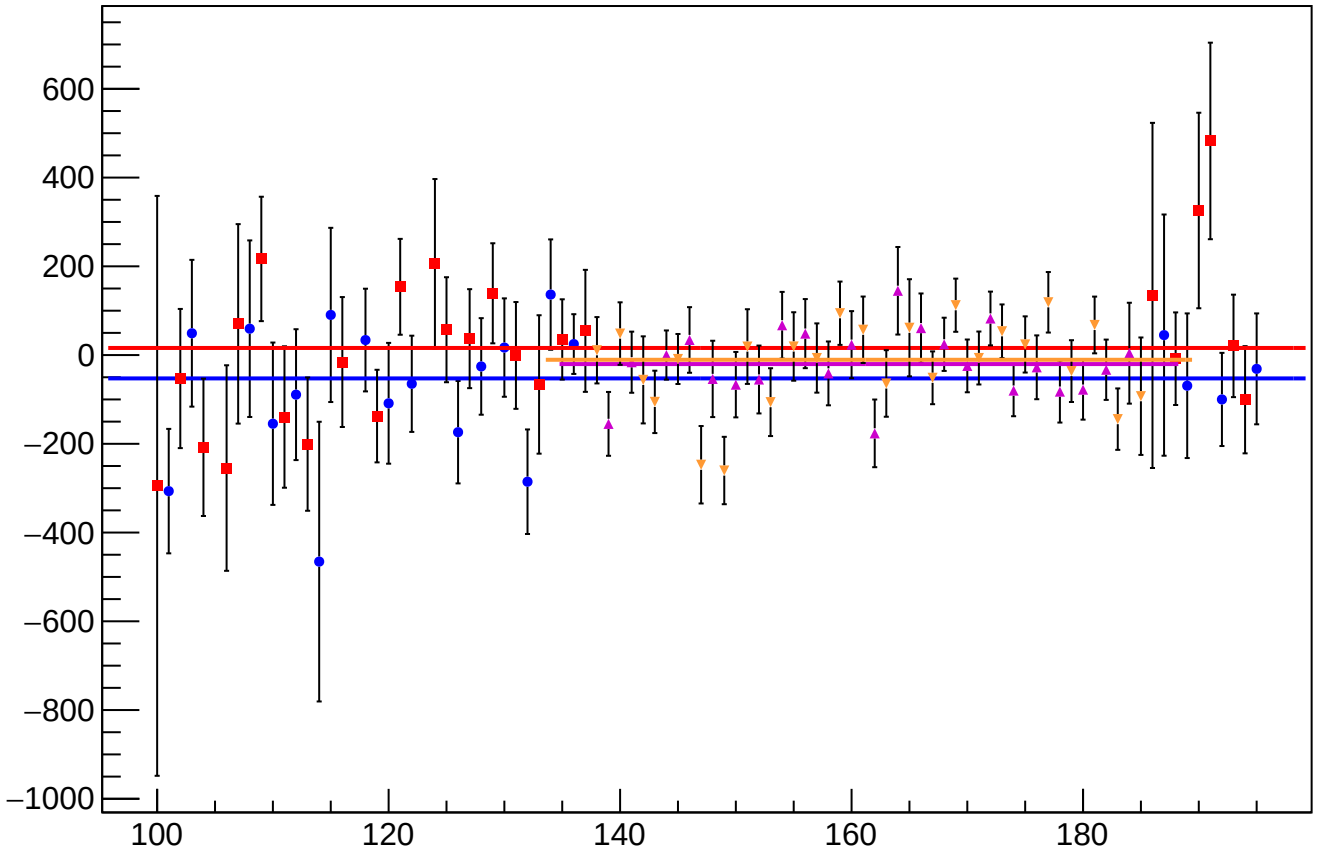
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 755.086+/-0.124 χ^2/NDF: 4338263.1/44

In: 368.145+/-0.053 χ^2/NDF:7990573.6/42

Out: 370.158+/-0.052 χ^2/NDF:10121975.8/49

All: 369.172+/-0.037 χ^2/NDF: 18113279.6/92



Right In: -52.610+/-28.371 χ^2/NDF: 16.8/19

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 16.017+/-27.651 χ^2/NDF: 23.1/24

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

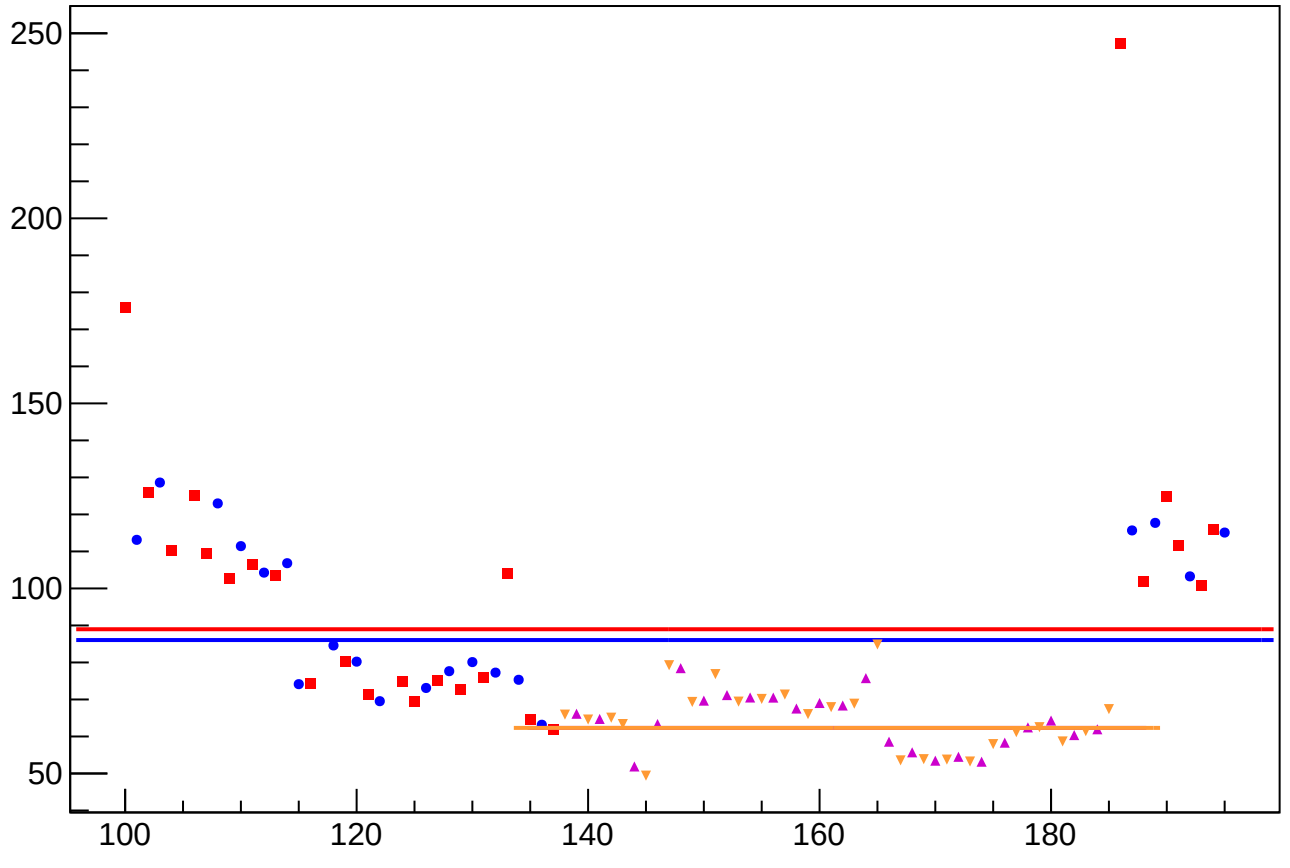
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -17.415+/-19.802 χ^2/NDF: 42.9/44

In: -27.180+/-13.087 χ^2/NDF:39.5/42

Out: -4.988+/-12.709 χ^2/NDF:66.0/49

All: -15.759+/-9.117 χ^2/NDF: 107.0/92



Right In: 86.055+/-0.020 χ^2/NDF: 972339.1/19

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 88.975+/-0.020 χ^2/NDF: 1359294.4/24

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

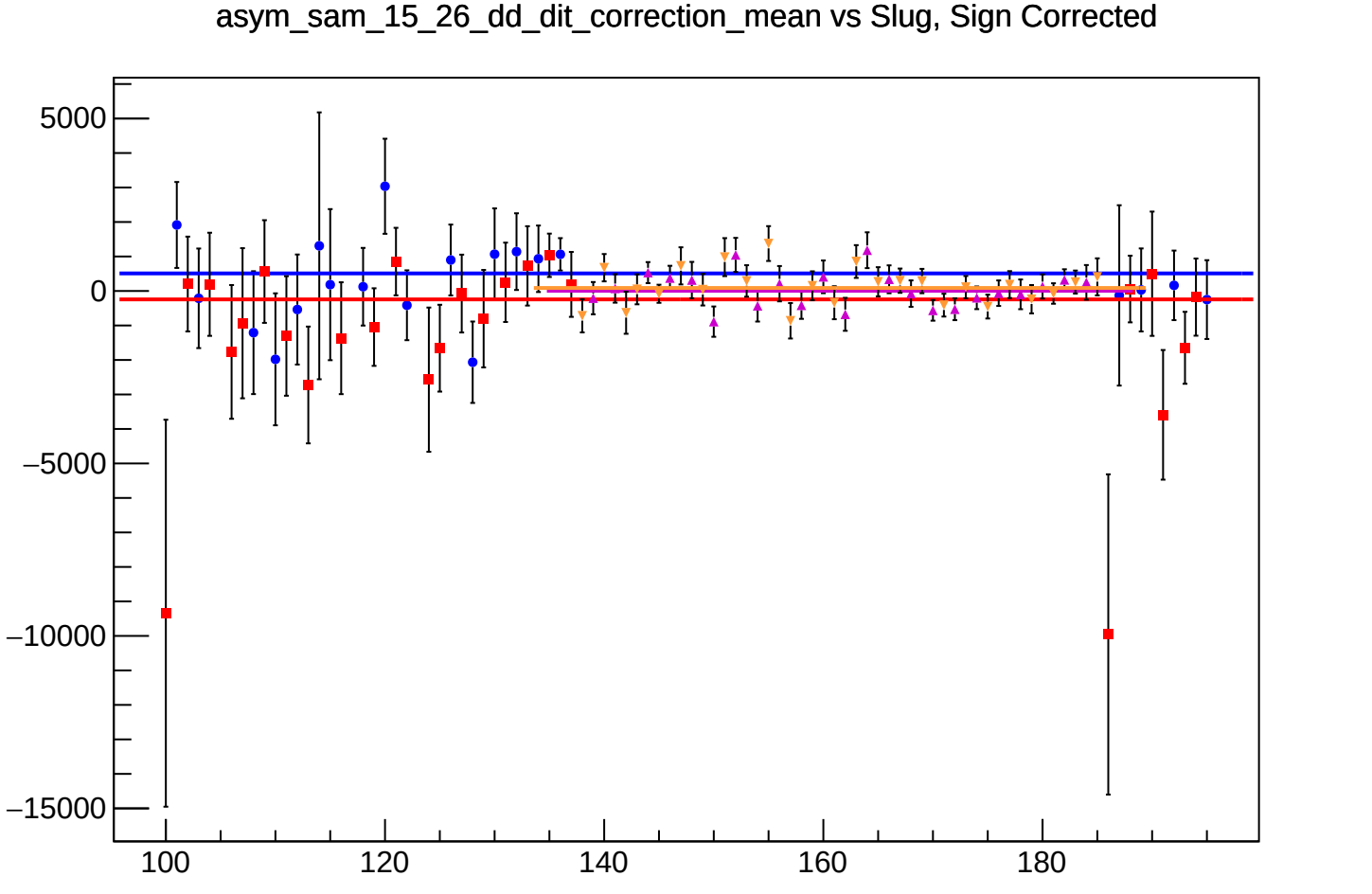
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 87.552+/-0.014 χ^2/NDF: 2342498.2/44

In: 67.363+/-0.009 χ^2/NDF:2559748.7/42

Out: 67.948+/-0.009 χ^2/NDF:3461865.1/49

All: 67.664+/-0.006 χ^2/NDF: 6023674.3/92



Right In: 509.336+/-250.716 χ^2/NDF: 16.7/19

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -243.753+/-253.339 χ^2/NDF: 26.2/24

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

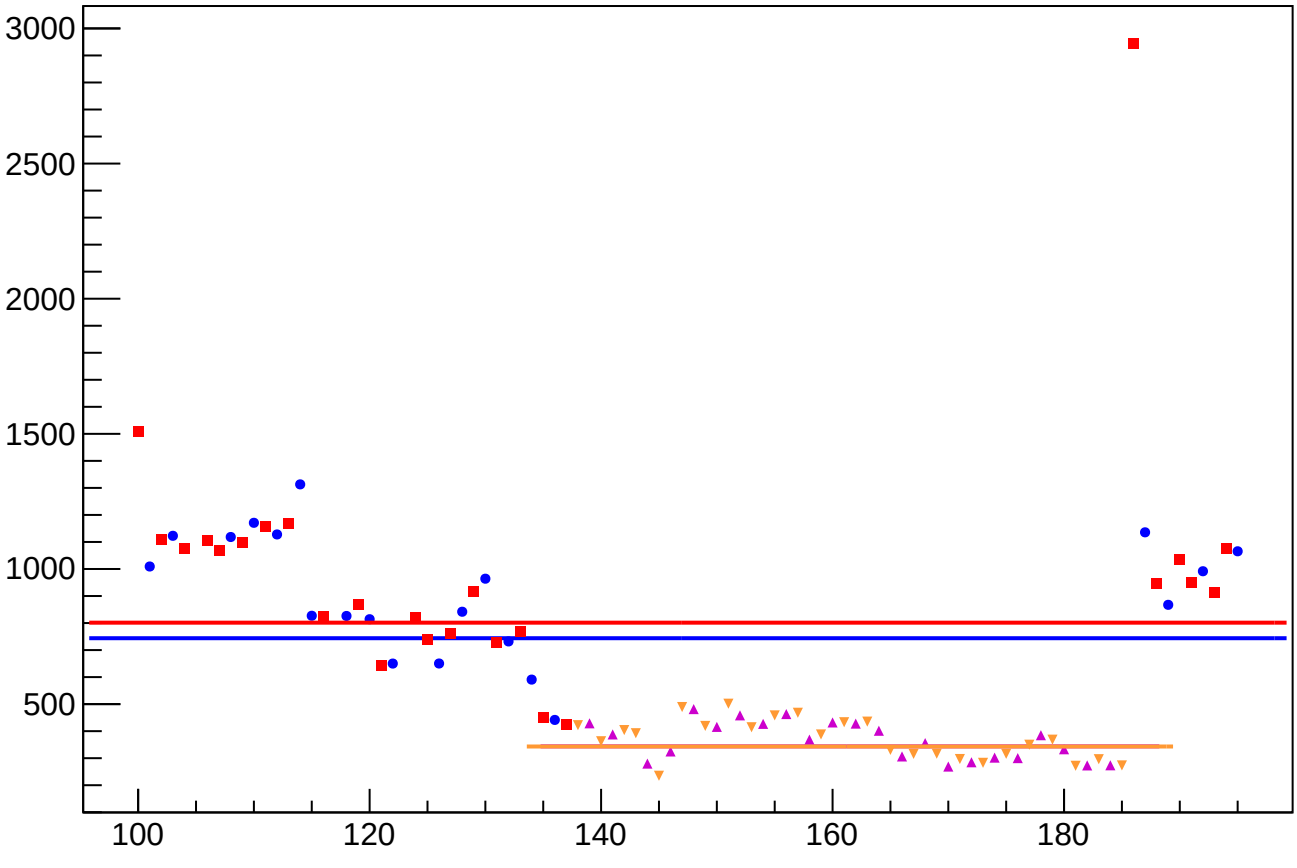
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 136.710+/-178.203 χ^2/NDF: 47.3/44

In: 55.206+/-78.032 χ^2/NDF:52.8/42

Out: 57.106+/-76.145 χ^2/NDF:59.4/49

All: 56.179+/-54.498 χ^2/NDF: 112.1/92



Right In: 743.882+/-0.177 χ^2/NDF: 1920988.8/19

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 801.403+/-0.179 χ^2/NDF: 2233826.6/24

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

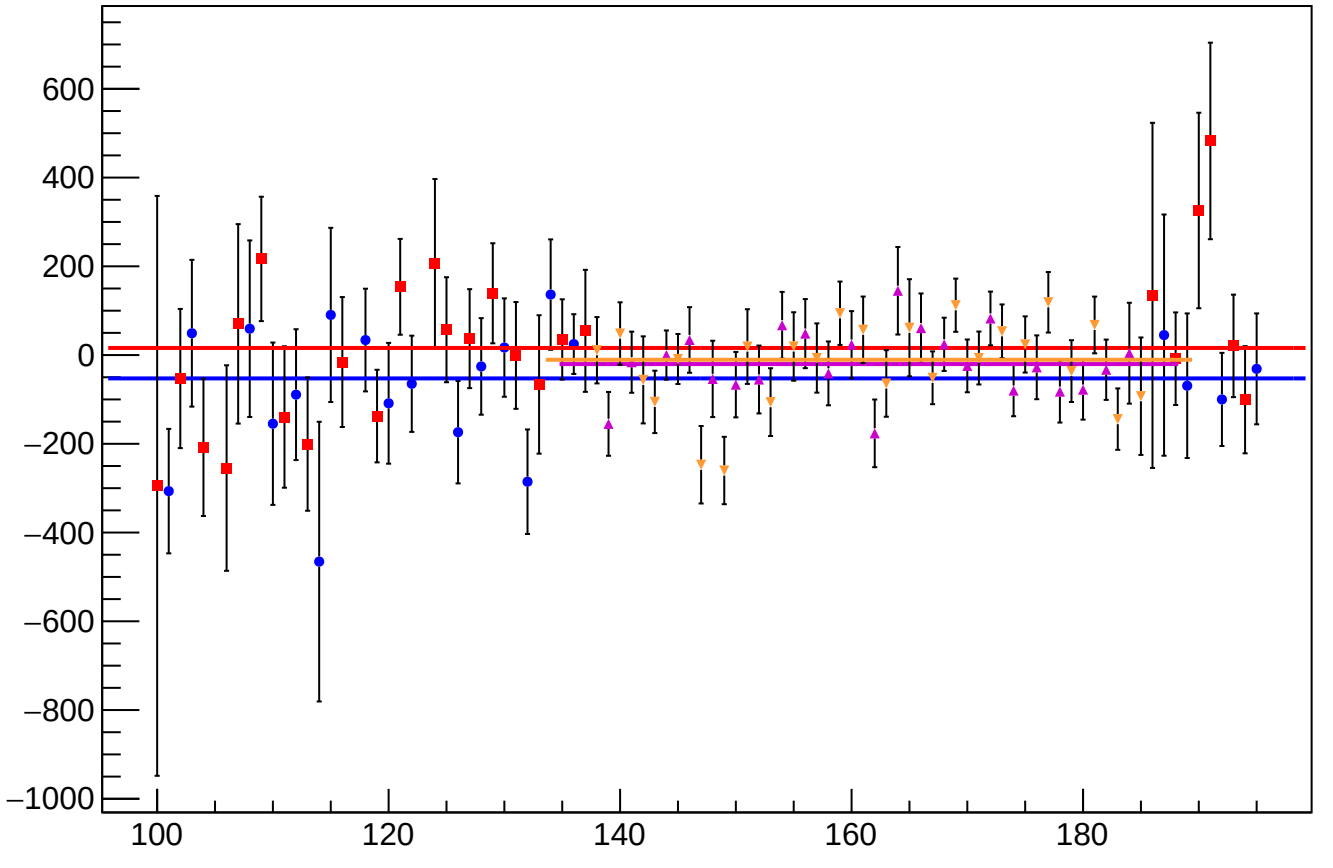
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 772.343+/-0.126 χ^2/NDF: 4206904.7/44

In: 382.480+/-0.055 χ^2/NDF:7780807.7/42

Out: 384.616+/-0.054 χ^2/NDF:9779985.9/49

All: 383.575+/-0.039 χ^2/NDF: 17561561.2/92



Right In: -52.610+/-28.370 χ^2/NDF: 16.8/19

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 16.018+/-27.651 χ^2/NDF: 23.1/24

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

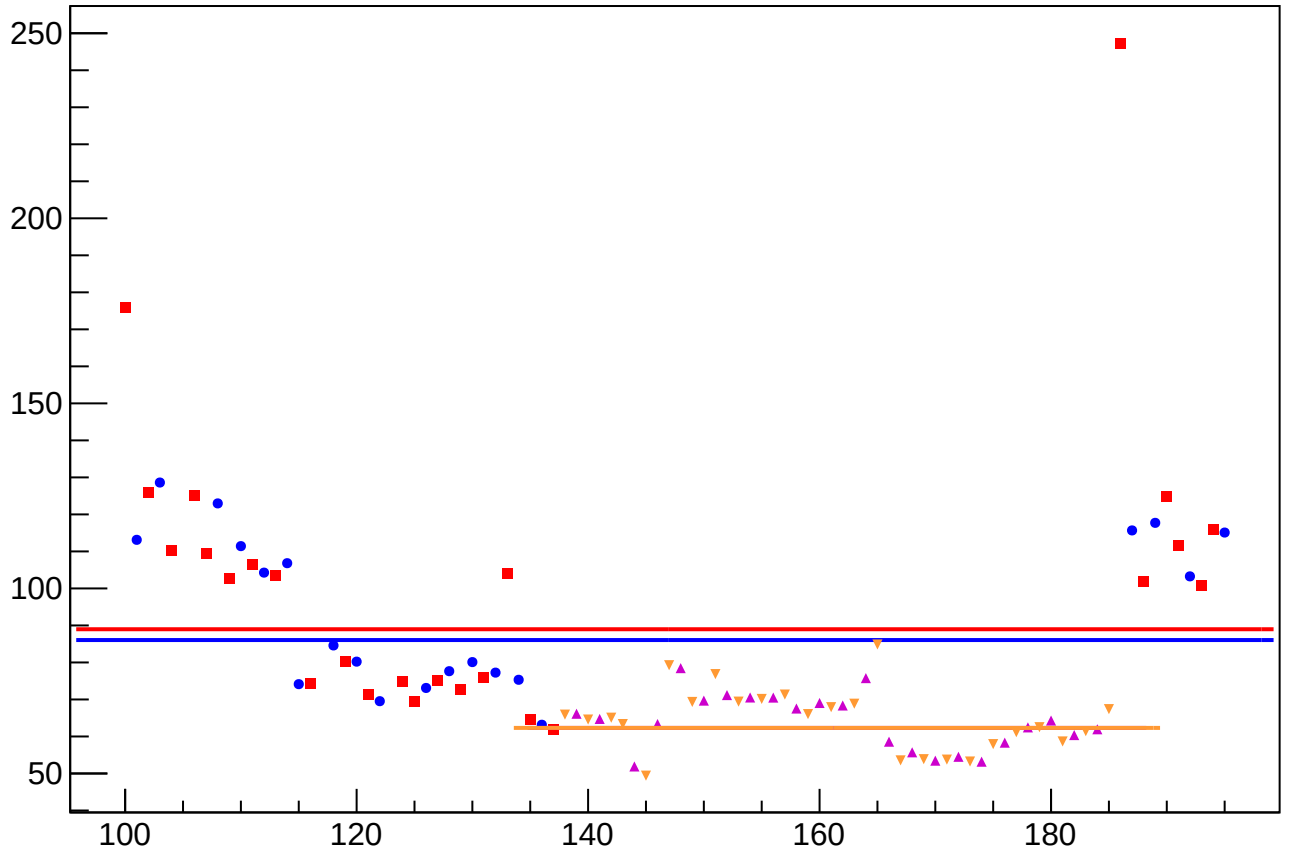
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -17.414+/-19.802 χ^2/NDF: 42.9/44

In: -27.180+/-13.087 χ^2/NDF:39.5/42

Out: -4.987+/-12.709 χ^2/NDF:66.0/49

All: -15.758+/-9.117 χ^2/NDF: 107.0/92



Right In: 86.055+/-0.020 χ^2/NDF: 972345.1/19

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 88.975+/-0.020 χ^2/NDF: 1359281.1/24

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

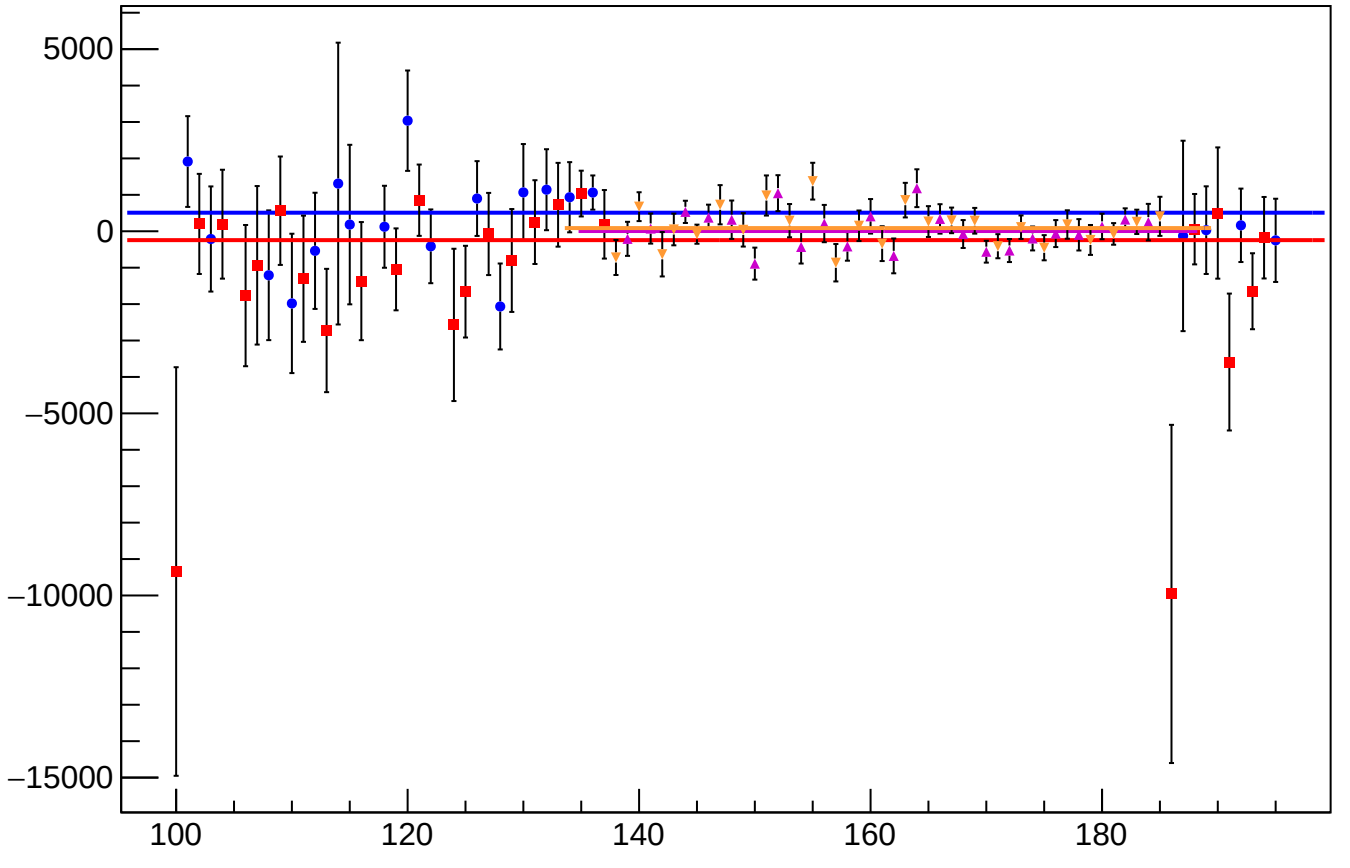
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 87.552+/-0.014 χ^2/NDF: 2342492.3/44

In: 67.363+/-0.009 χ^2/NDF:2559700.1/42

Out: 67.948+/-0.009 χ^2/NDF:3461823.8/49

All: 67.664+/-0.006 χ^2/NDF: 6023583.6/92



Right In: 509.335+/-250.716 χ^2/NDF: 16.7/19

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -243.754+/-253.339 χ^2/NDF: 26.2/24

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

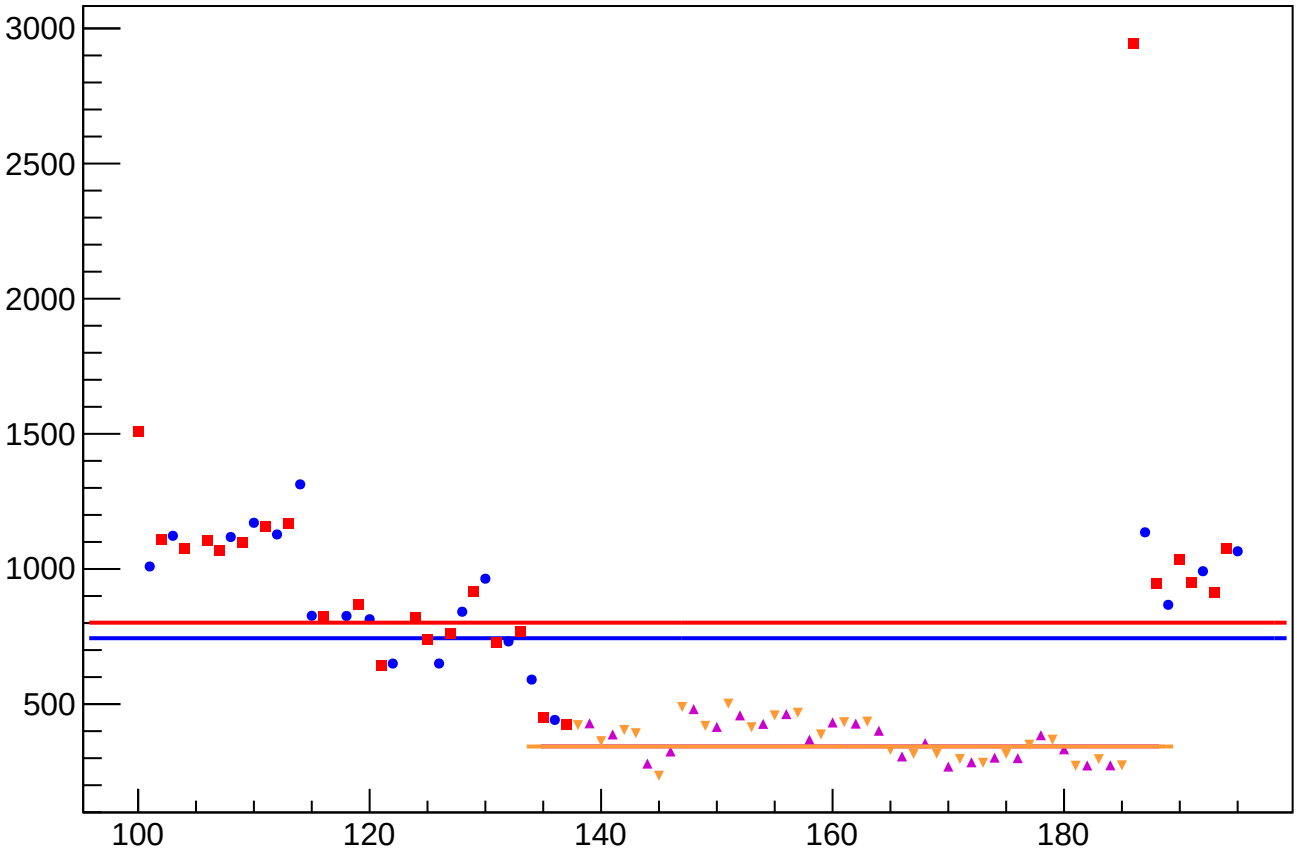
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 136.709+/-178.203 χ^2/NDF: 47.3/44

In: 55.207+/-78.032 χ^2/NDF:52.8/42

Out: 57.106+/-76.145 χ^2/NDF:59.4/49

All: 56.180+/-54.498 χ^2/NDF: 112.1/92



Right In: 743.881+/-0.177 χ^2/NDF: 1920977.5/19

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 801.402+/-0.179 χ^2/NDF: 2233819.0/24

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

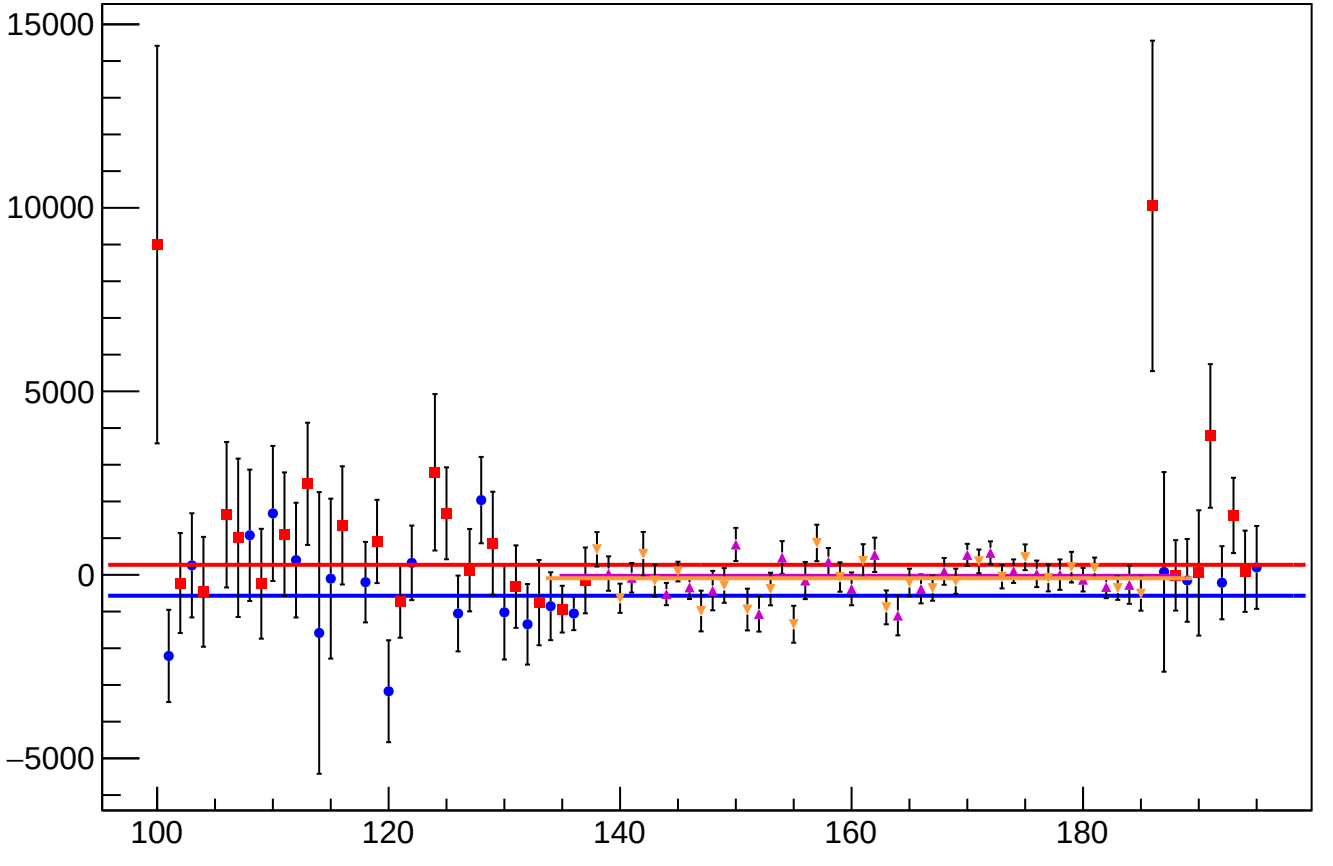
Right: 772.342+/-0.126 χ^2/NDF: 4206885.7/44

In: 382.481+/-0.055 χ^2/NDF:7780800.4/42

Out: 384.617+/-0.054 χ^2/NDF:9779988.3/49

All: 383.575+/-0.039 χ^2/NDF: 17561556.3/92

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -569.148+/-245.528 χ^2/NDF: 17.1/19

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 273.353+/-252.062 χ^2/NDF: 25.0/24

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

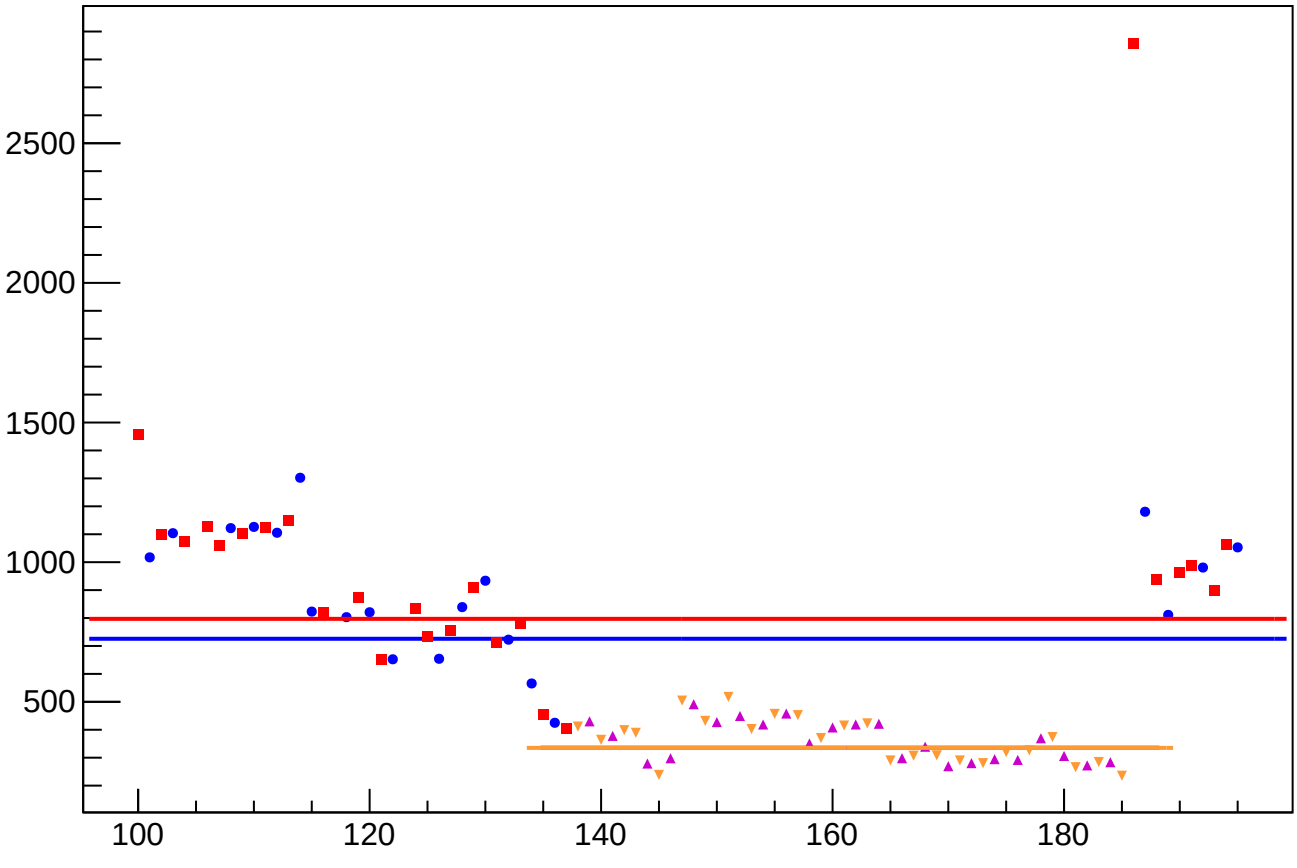
Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

Right: -158.959+/-175.879 χ^2/NDF: 47.8/44

In: -79.434+/-76.242 χ^2/NDF:52.4/42

Out: -60.546+/-74.674 χ^2/NDF:61.1/49

All: -69.794+/-53.349 χ^2/NDF: 113.5/92



Right In: 725.744+/-0.174 χ^2/NDF: 2026715.5/19

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 797.101+/-0.178 χ^2/NDF: 2212546.9/24

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

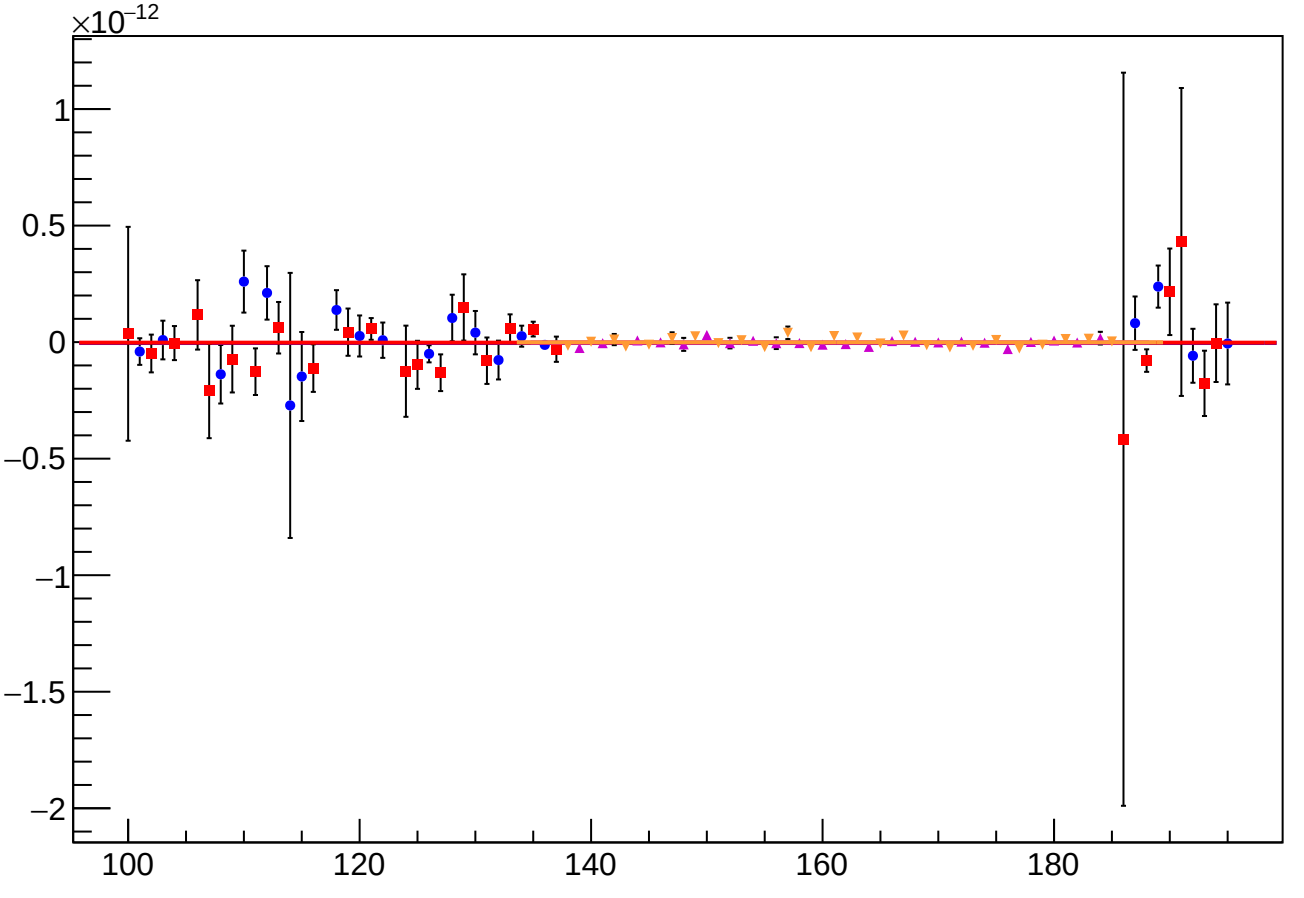
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 760.486+/-0.124 χ^2/NDF: 4321509.9/44

In: 373.389+/-0.054 χ^2/NDF:7876612.3/42

Out: 375.694+/-0.053 χ^2/NDF:10046477.7/49

All: 374.565+/-0.038 χ^2/NDF: 17924022.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/19

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

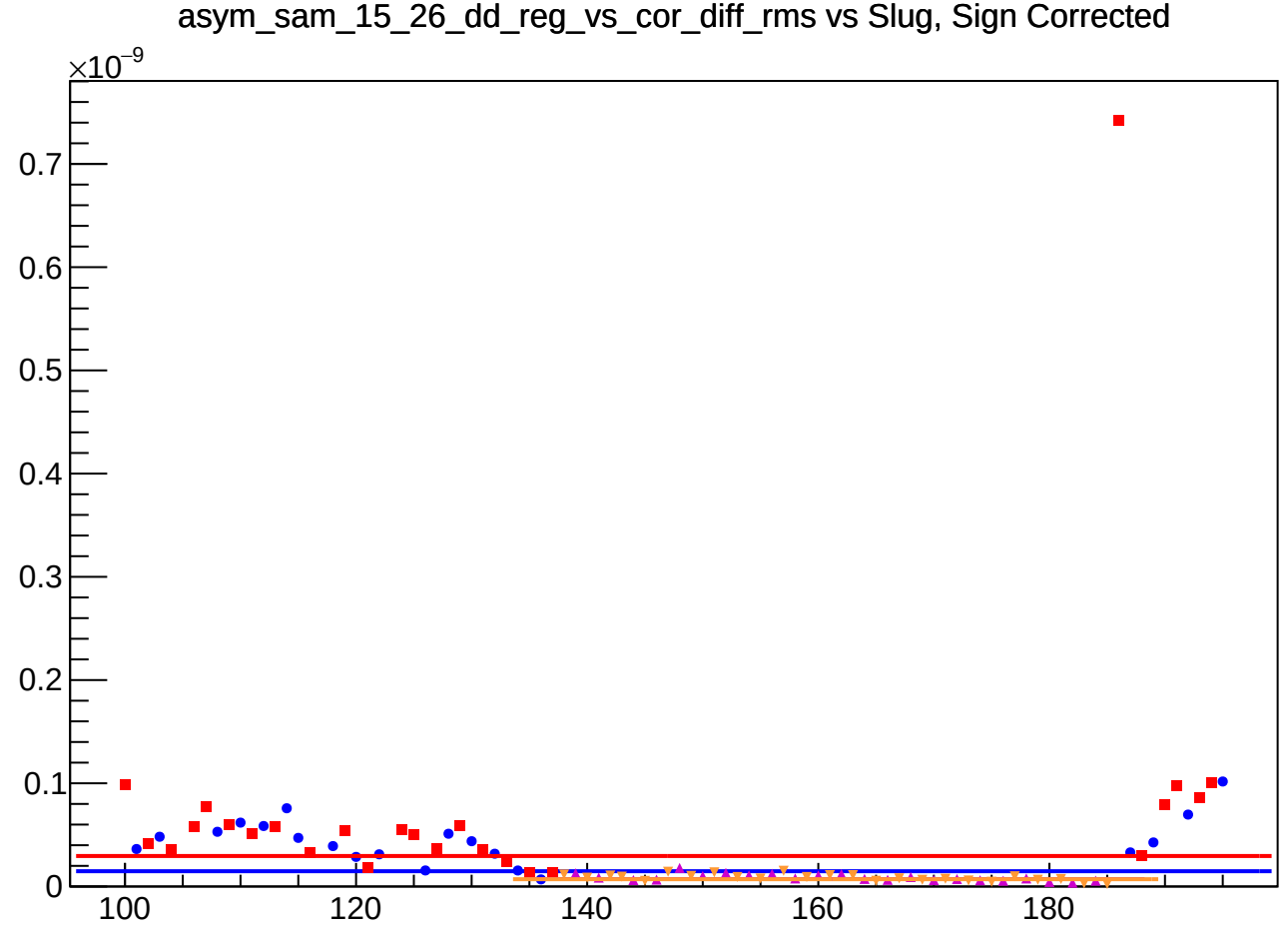
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 48.6/44

In: -0.000+/-0.000 χ^2/NDF:40.1/42

Out: -0.000+/-0.000 χ^2/NDF:56.6/49

All: -0.000+/-0.000 χ^2/NDF: 96.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 4256302.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3037178.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

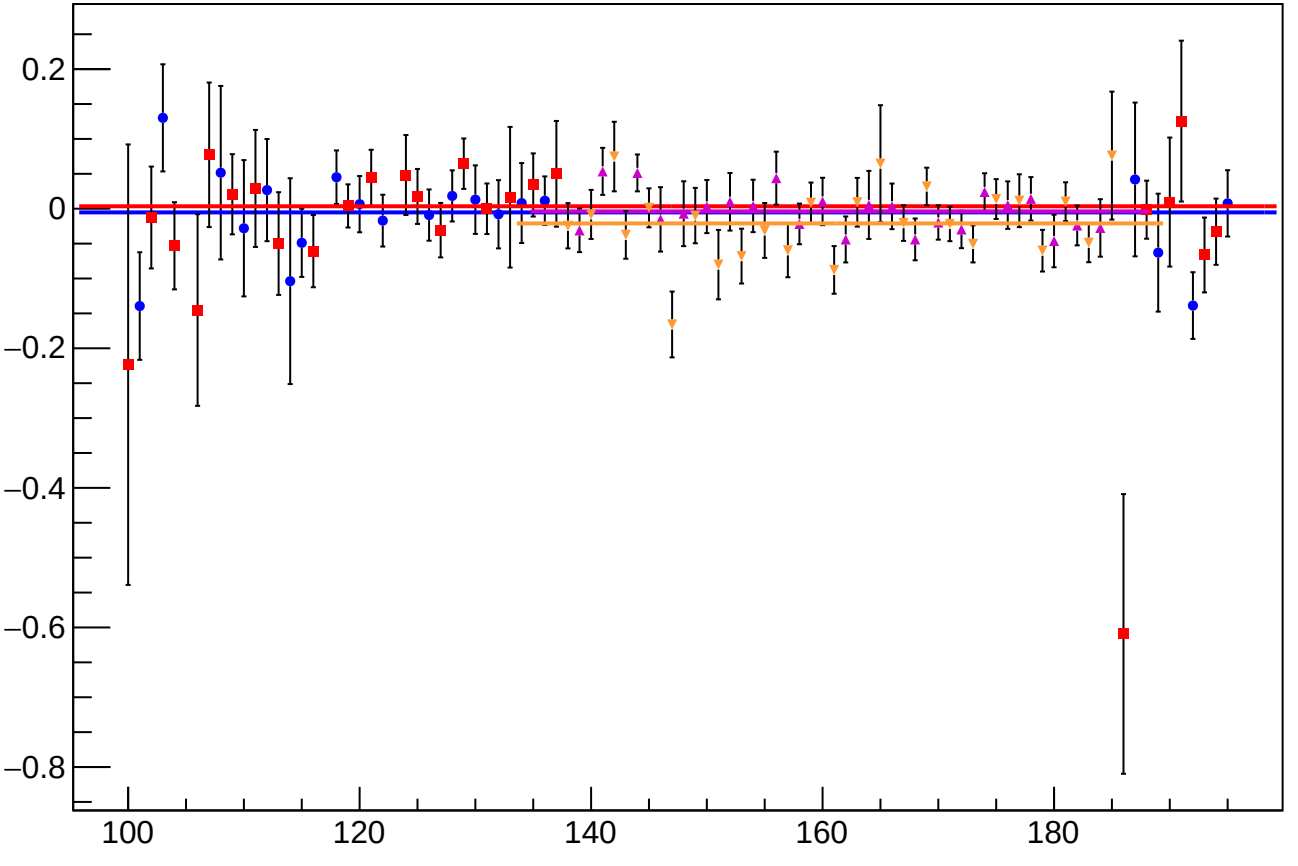
Right: 0.000+/-0.000 χ^2/NDF: 8488774.1/44

In: 0.000+/-0.000 χ^2/NDF:6870015.3/42

Out: 0.000+/-0.000 χ^2/NDF:8841636.7/49

All: 0.000+/-0.000 χ^2/NDF: 15711821.9/92

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

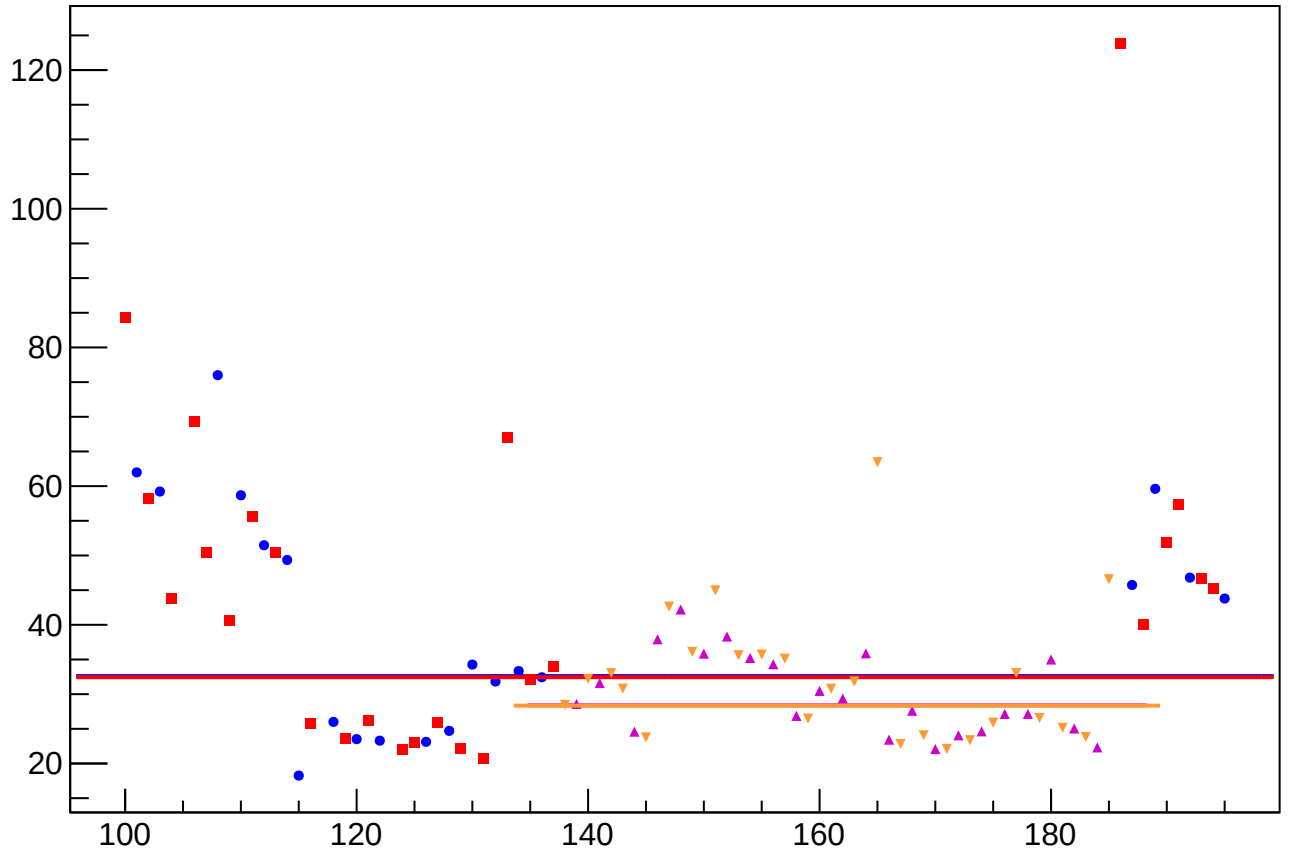
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.001+/-0.008 χ^2/NDF: 43.8/44

In: -0.004+/-0.006 χ^2/NDF:37.8/42

Out: -0.014+/-0.006 χ^2/NDF:65.3/49

All: -0.009+/-0.004 χ^2/NDF: 104.6/92



Right In: 32.605+/-0.008 χ^2/NDF: 2284891.1/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 32.446+/-0.008 χ^2/NDF: 2928334.2/24

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

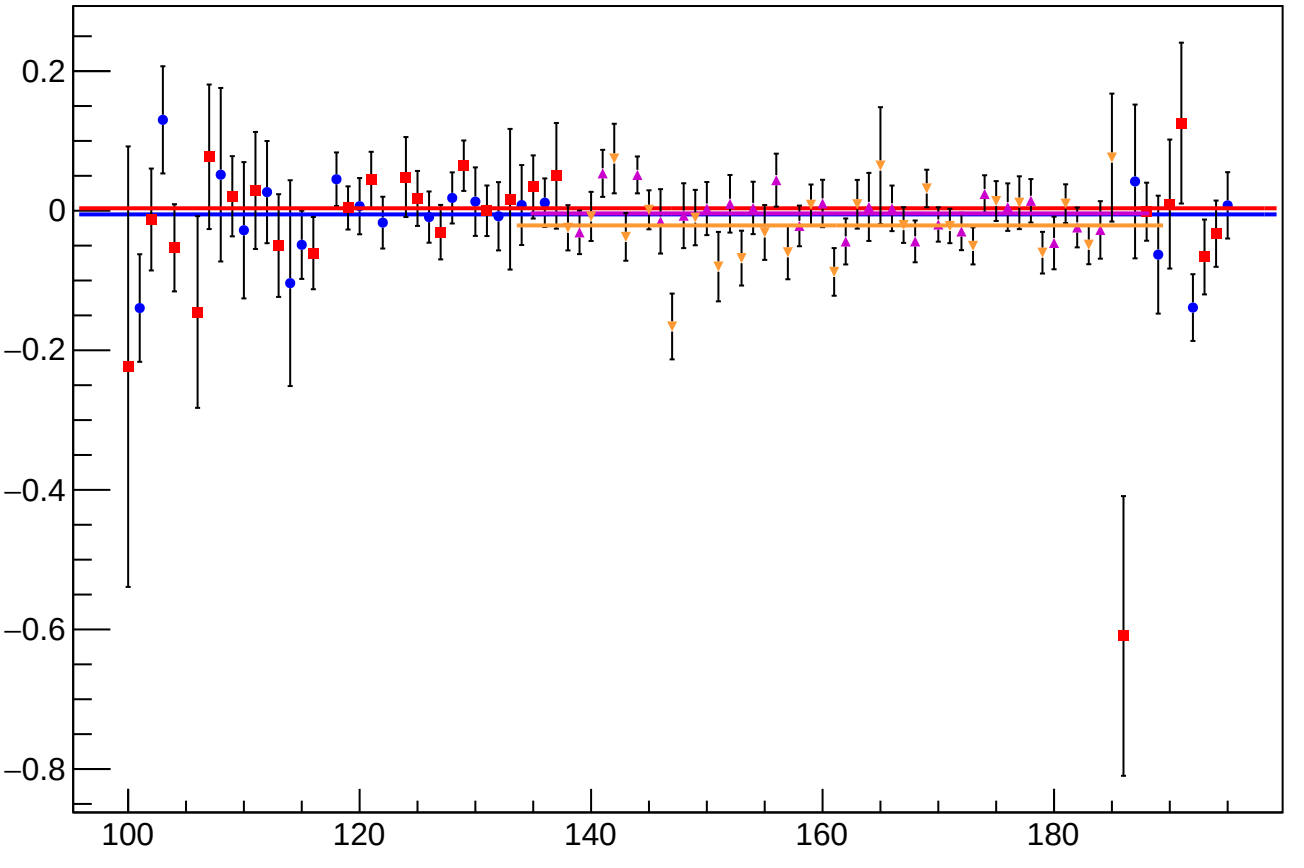
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 32.520+/-0.006 χ^2/NDF: 5213432.4/44

In: 29.514+/-0.004 χ^2/NDF:3585245.7/42

Out: 29.492+/-0.004 χ^2/NDF:4874106.9/49

All: 29.502+/-0.003 χ^2/NDF: 8459367.5/92



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

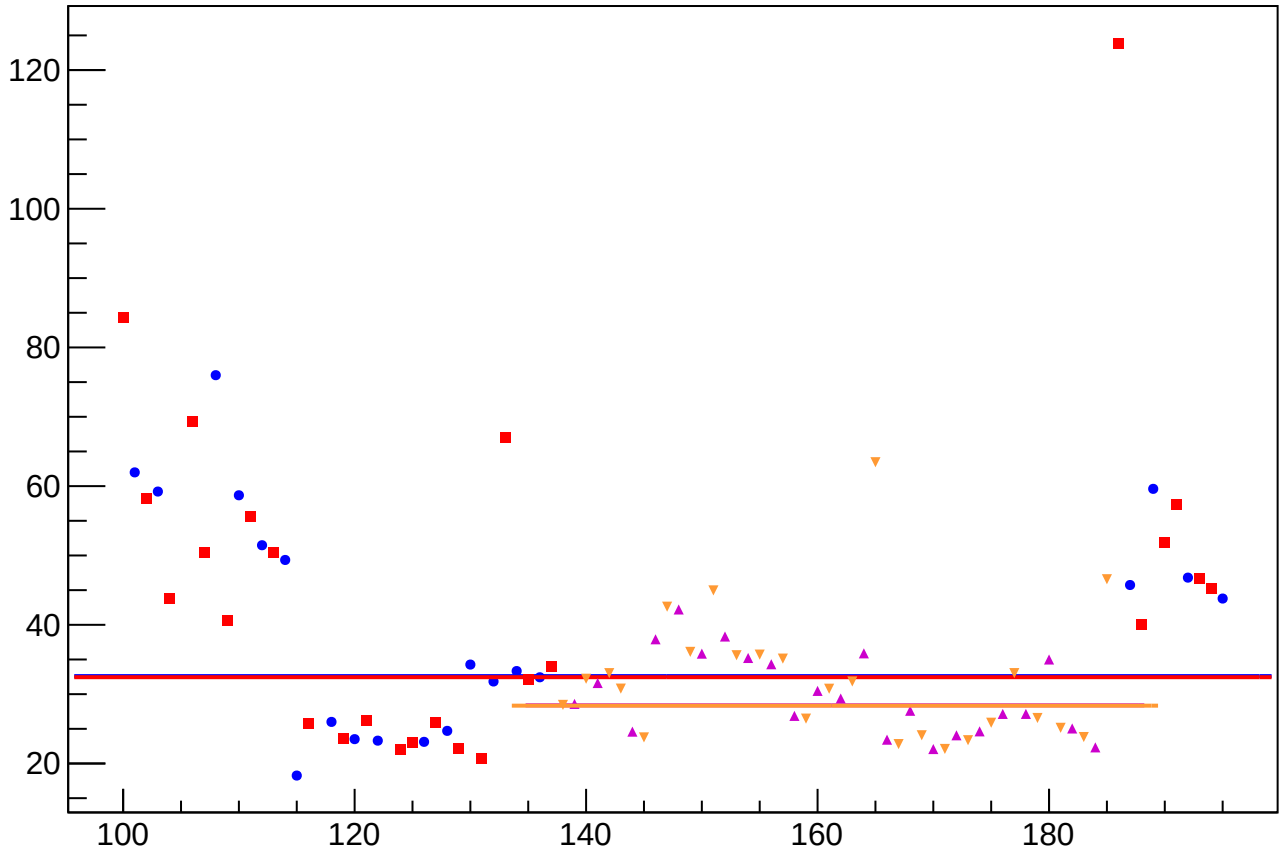
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.001+/-0.008 χ^2/NDF: 43.8/44

In: -0.004+/-0.006 χ^2/NDF:37.8/42

Out: -0.014+/-0.006 χ^2/NDF:65.3/49

All: -0.009+/-0.004 χ^2/NDF: 104.6/92



Right In: 32.605+/-0.008 χ^2/NDF: 2284891.1/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 32.446+/-0.008 χ^2/NDF: 2928334.2/24

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

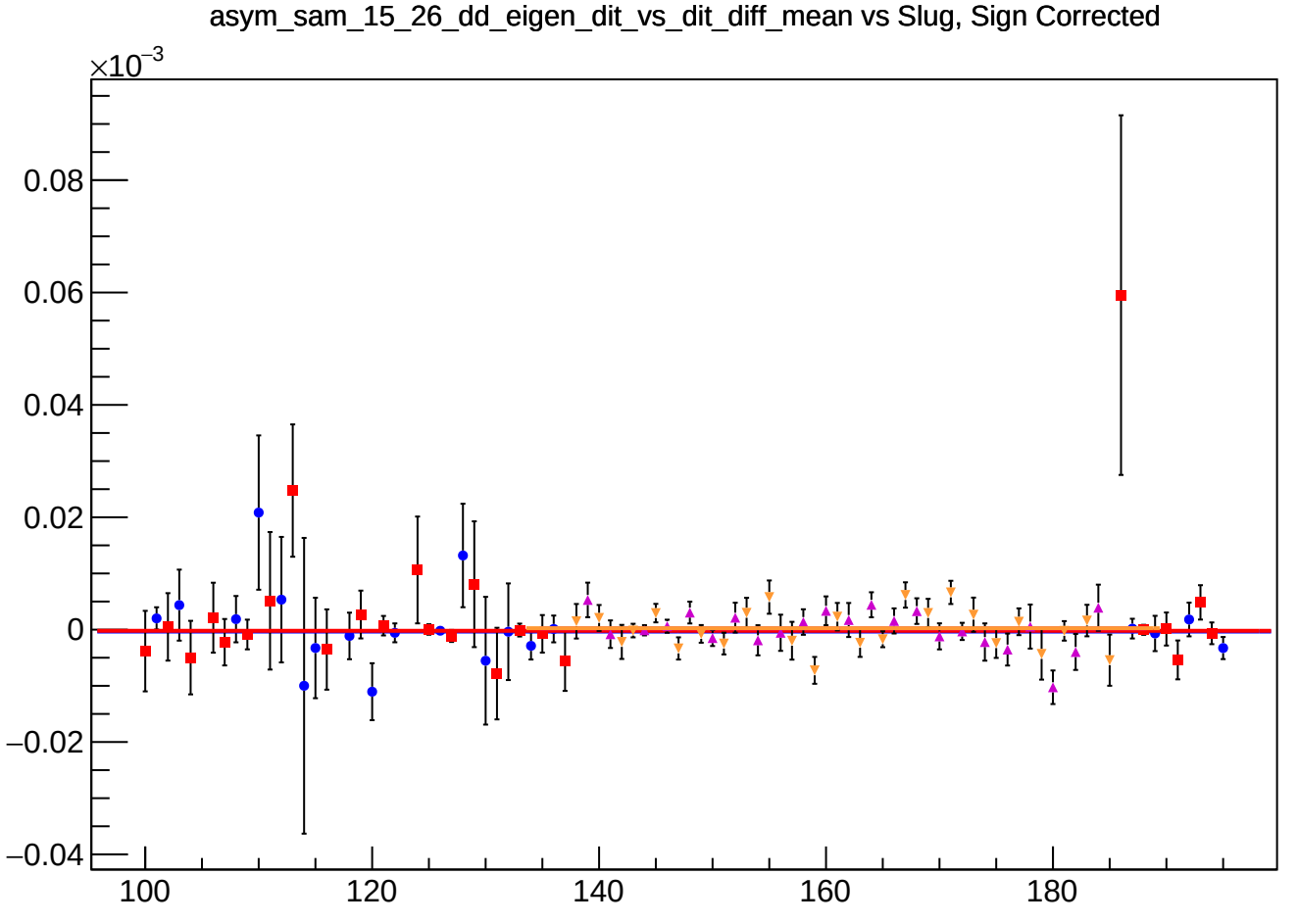
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 32.520+/-0.006 χ^2/NDF: 5213432.4/44

In: 29.514+/-0.004 χ^2/NDF:3585245.7/42

Out: 29.492+/-0.004 χ^2/NDF:4874106.9/49

All: 29.502+/-0.003 χ^2/NDF: 8459367.5/92



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/19

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/24

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

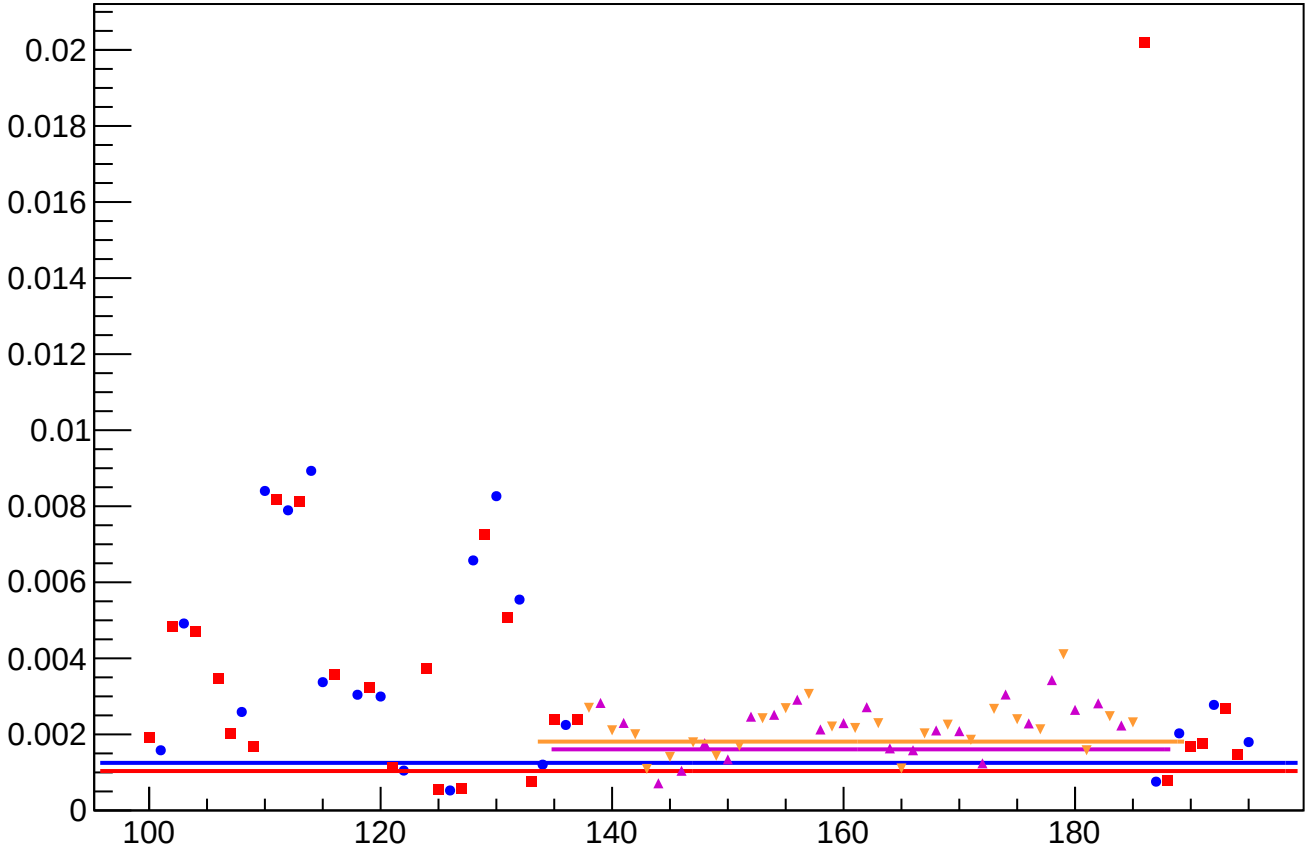
Right: -0.000+/-0.000 χ^2/NDF: 36.1/44

In: 0.000+/-0.000 χ^2/NDF:49.9/42

Out: 0.000+/-0.000 χ^2/NDF:71.4/49

All: 0.000+/-0.000 χ^2/NDF: 121.3/92

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7871837.4/19

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8679615.6/24

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

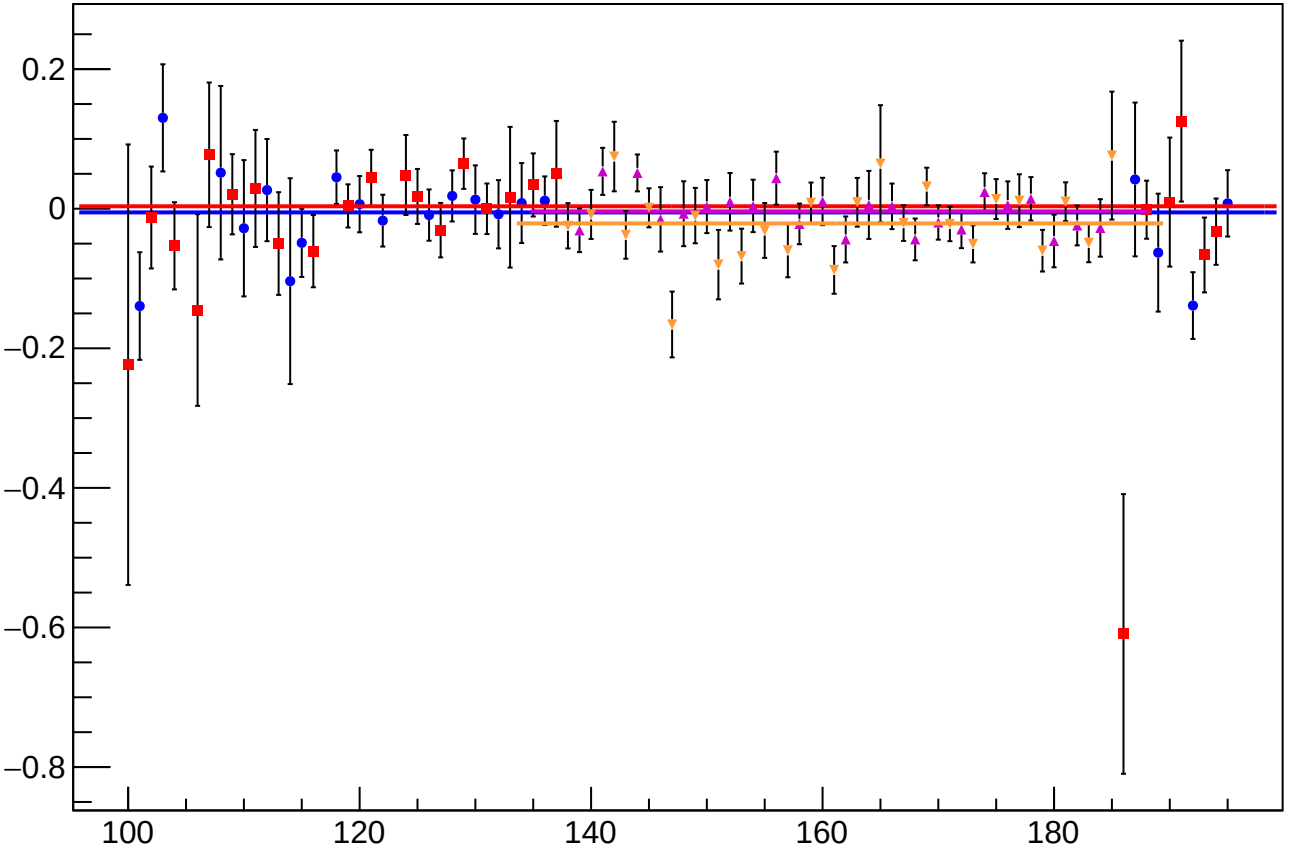
Right: 0.001+/-0.000 χ^2/NDF: 16747346.4/44

In: 0.001+/-0.000 χ^2/NDF:14442649.1/42

Out: 0.001+/-0.000 χ^2/NDF:15345176.8/49

All: 0.001+/-0.000 χ^2/NDF: 29817237.7/92

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

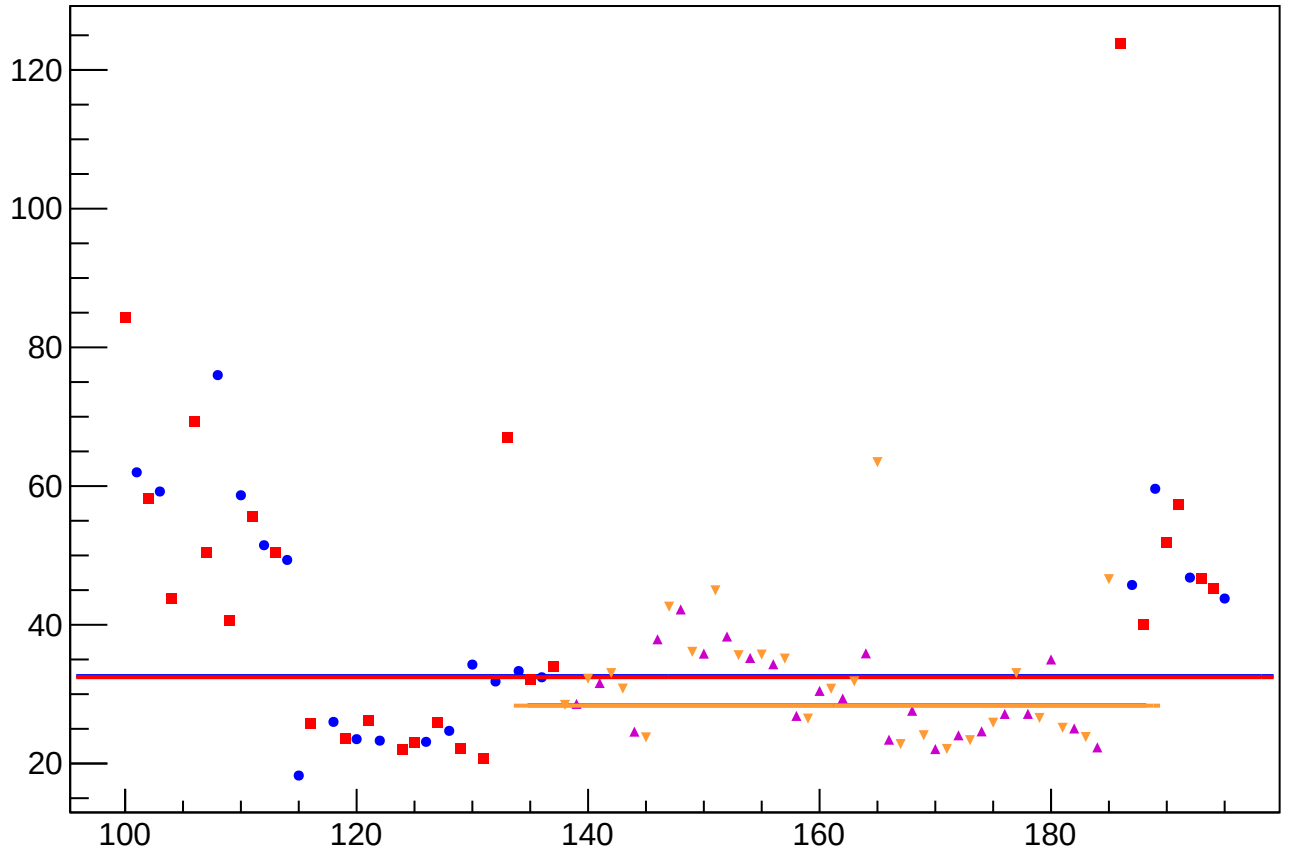
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.001+/-0.008 χ^2/NDF: 43.8/44

In: -0.004+/-0.006 χ^2/NDF:37.8/42

Out: -0.014+/-0.006 χ^2/NDF:65.3/49

All: -0.009+/-0.004 χ^2/NDF: 104.6/92



Right In: 32.605+/-0.008 χ^2/NDF: 2284740.2/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 32.445+/-0.008 χ^2/NDF: 2928354.4/24

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

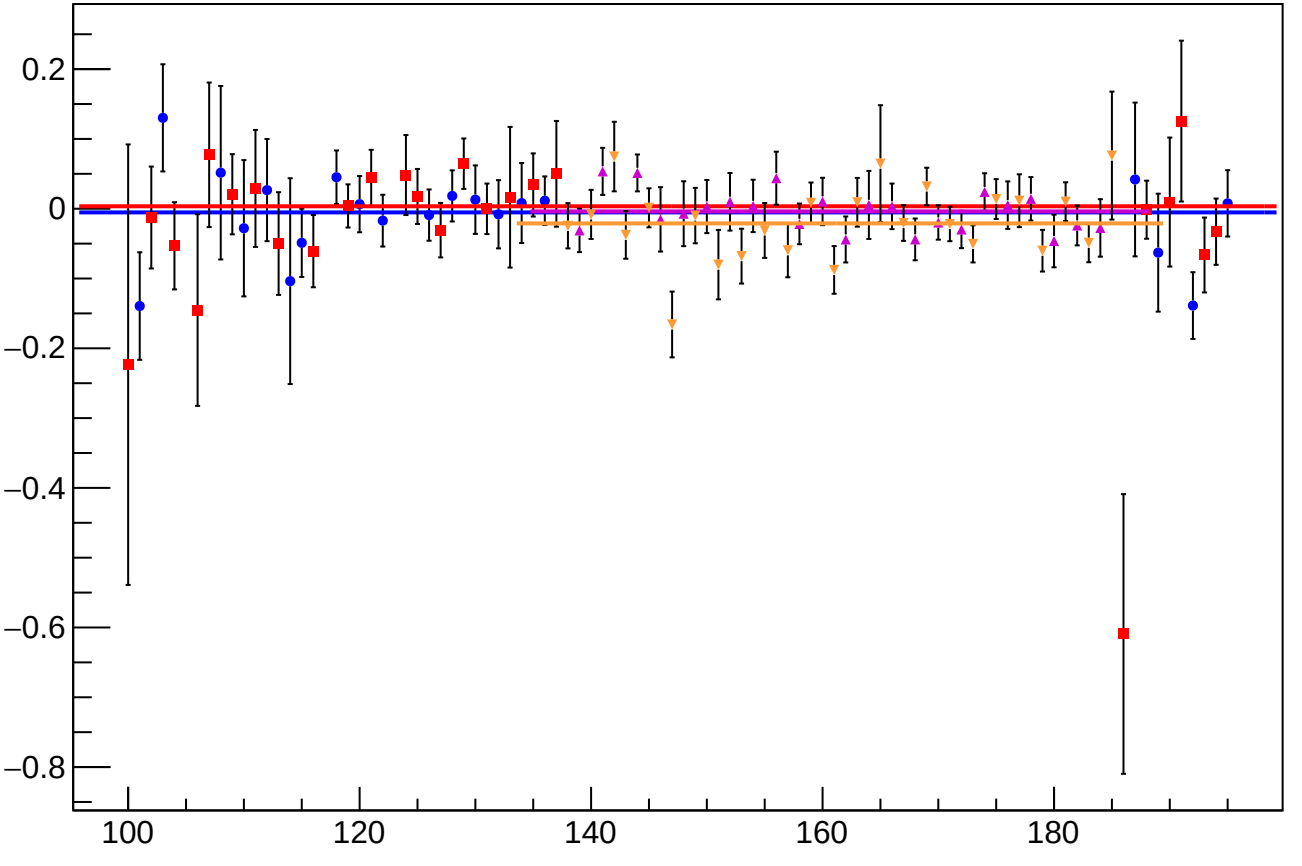
Right: 32.520+/-0.006 χ^2/NDF: 5213303.1/44

In: 29.514+/-0.004 χ^2/NDF:3585077.4/42

Out: 29.492+/-0.004 χ^2/NDF:4874064.0/49

All: 29.503+/-0.003 χ^2/NDF: 8459156.8/92

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.011 χ^2/NDF: 19.1/19

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

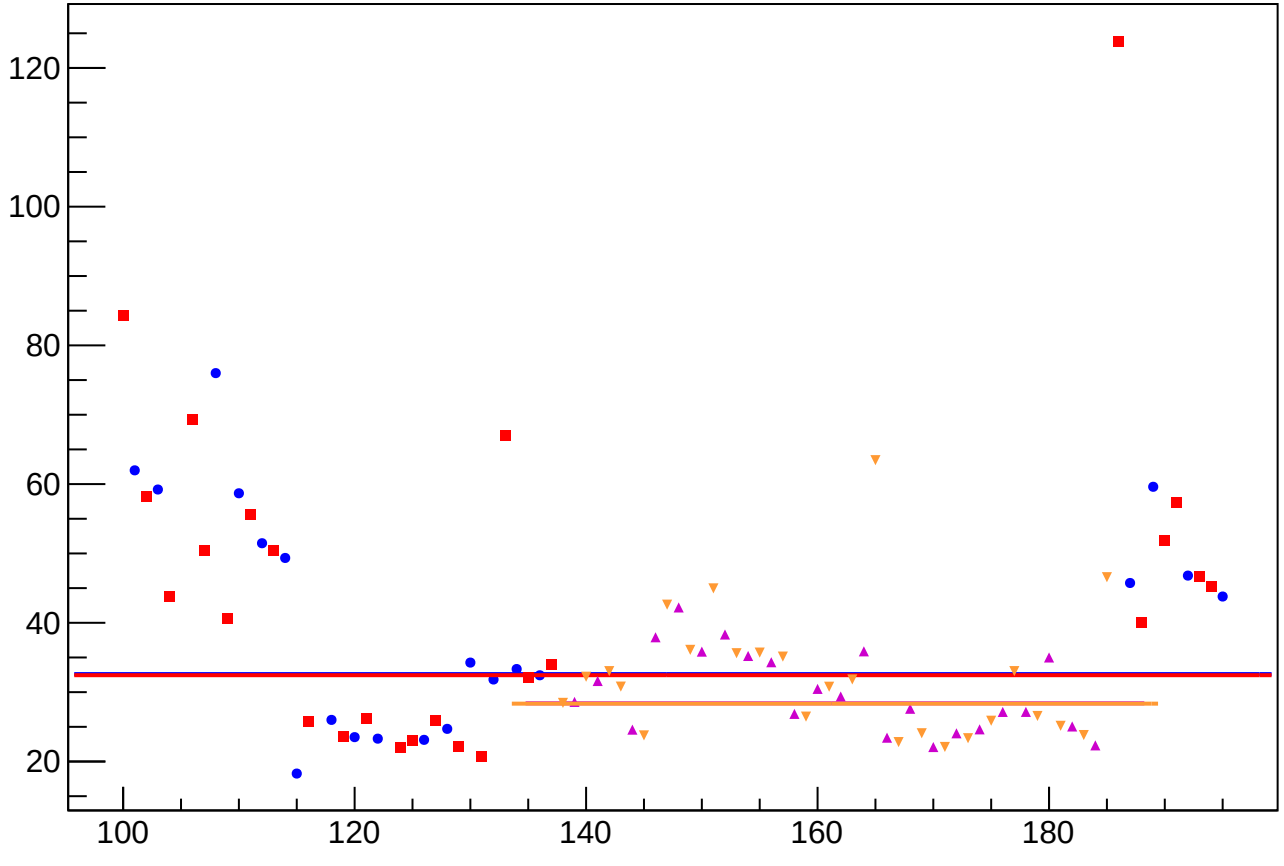
Right: -0.001+/-0.008 χ^2/NDF: 43.8/44

In: -0.004+/-0.006 χ^2/NDF:37.8/42

Out: -0.014+/-0.006 χ^2/NDF:65.3/49

All: -0.009+/-0.004 χ^2/NDF: 104.6/92

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.605+/-0.008 χ^2/NDF: 2284740.2/19

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 32.445+/-0.008 χ^2/NDF: 2928354.4/24

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

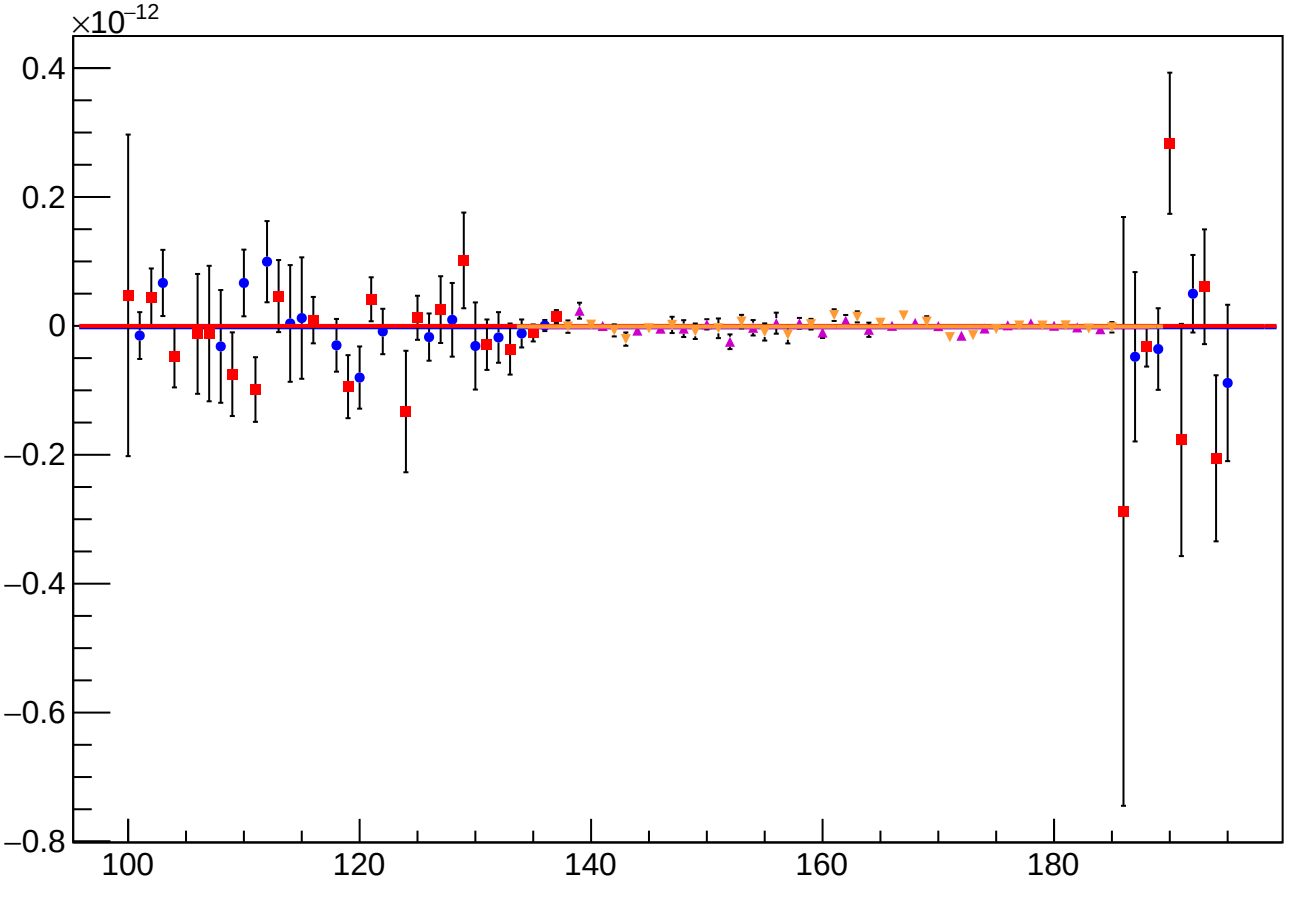
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 32.520+/-0.006 χ^2/NDF: 5213303.1/44

In: 29.514+/-0.004 χ^2/NDF:3585077.4/42

Out: 29.492+/-0.004 χ^2/NDF:4874064.0/49

All: 29.503+/-0.003 χ^2/NDF: 8459156.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/19

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/24

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

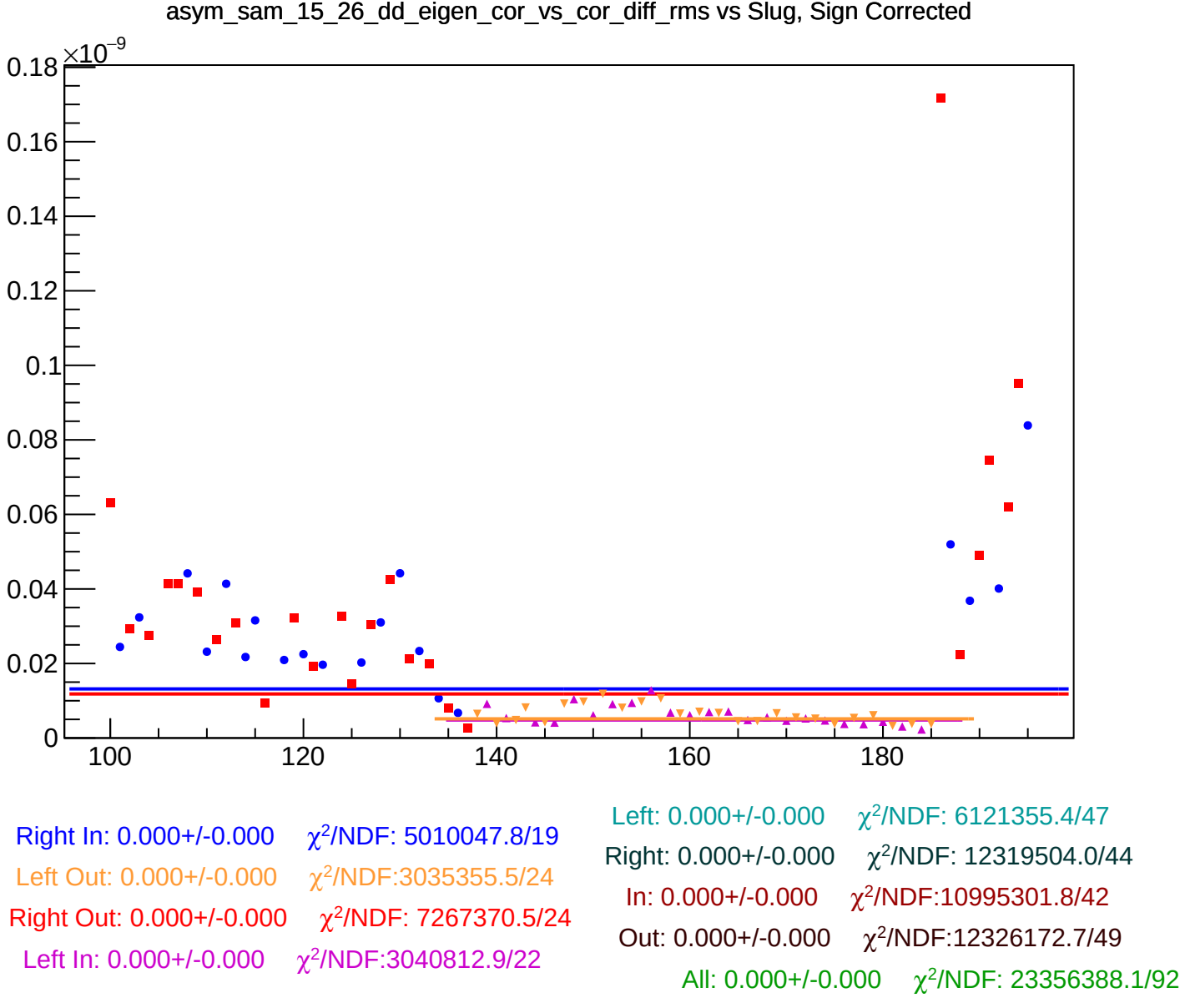
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

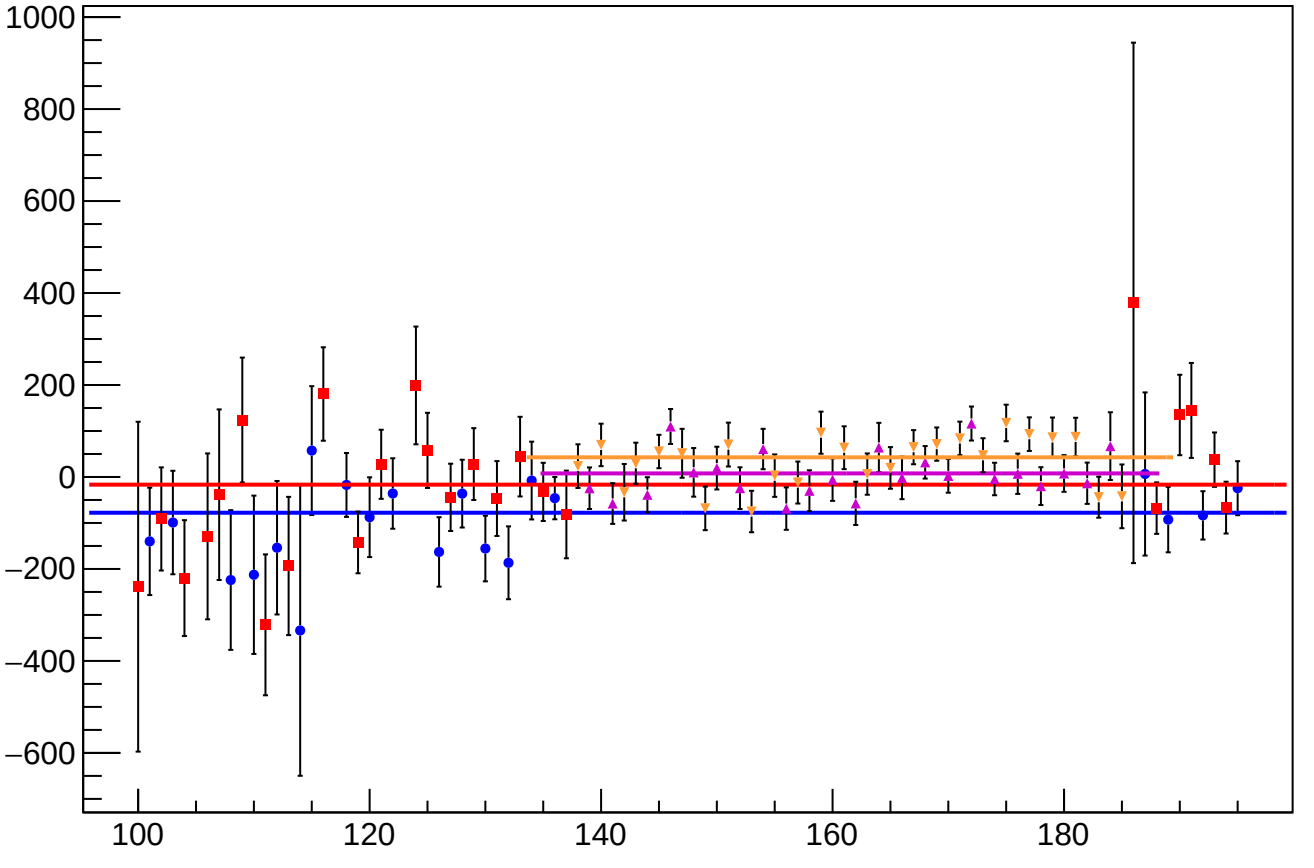
Right: -0.000+/-0.000 χ^2/NDF: 45.7/44

In: -0.000+/-0.000 χ^2/NDF:31.6/42

Out: -0.000+/-0.000 χ^2/NDF:67.7/49

All: -0.000+/-0.000 χ^2/NDF: 99.5/92


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 5010047.8/19
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 7267370.5/24
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
Left: 0.000+/-0.000 χ²/NDF: 6121355.4/47
Right: 0.000+/-0.000 χ²/NDF: 12319504.0/44
In: 0.000+/-0.000 χ²/NDF:10995301.8/42
Out: 0.000+/-0.000 χ²/NDF:12326172.7/49
All: 0.000+/-0.000 χ²/NDF: 23356388.1/92



Right In: -77.763+/-18.083 χ^2/NDF: 11.7/19

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -16.703+/-17.672 χ^2/NDF: 31.6/24

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

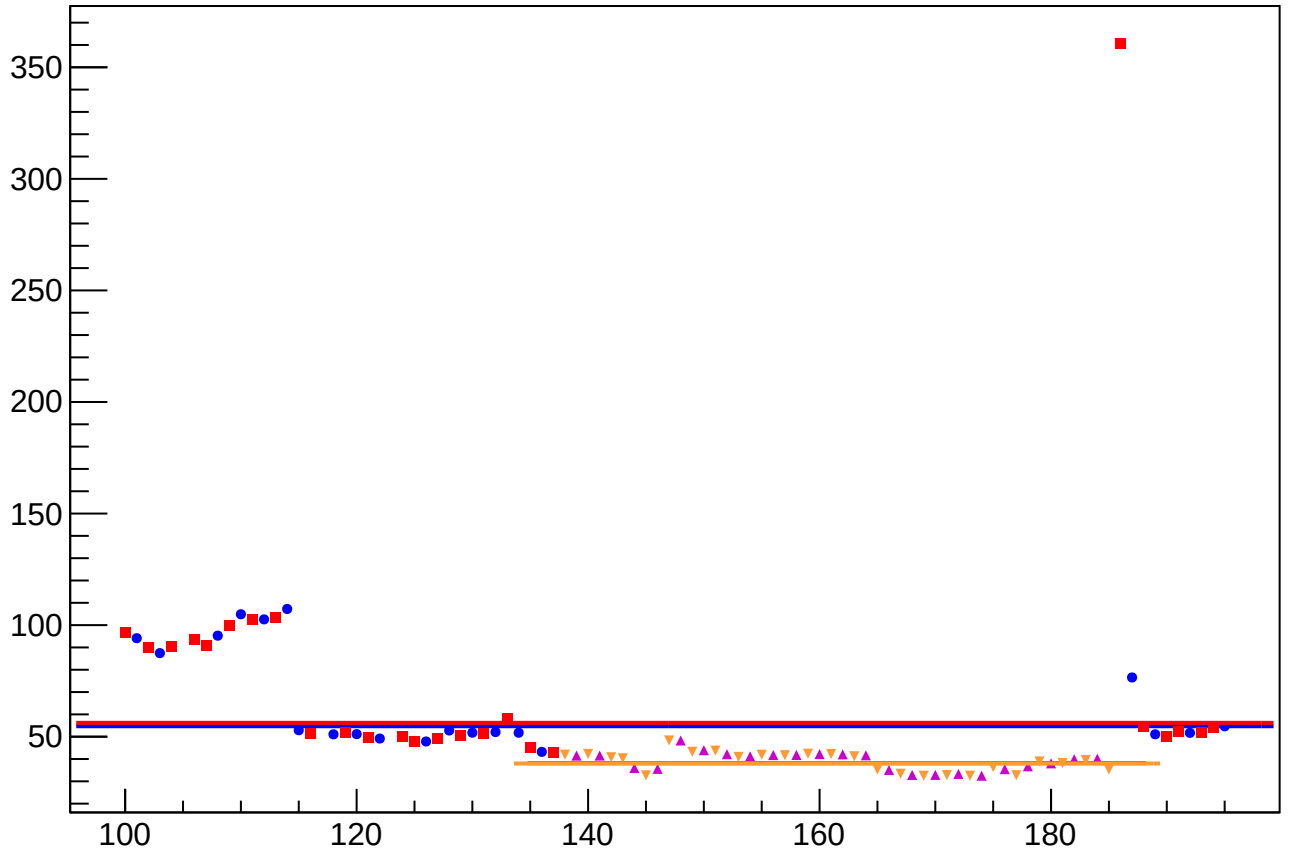
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -46.532+/-12.639 χ^2/NDF: 49.1/44

In: -9.123+/-8.039 χ^2/NDF:60.3/42

Out: 31.168+/-7.804 χ^2/NDF:75.4/49

All: 11.619+/-5.599 χ^2/NDF: 148.6/92



Right In: 54.689+/-0.013 χ^2/NDF: 1195646.7/19

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.210+/-0.012 χ^2/NDF: 1896254.5/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

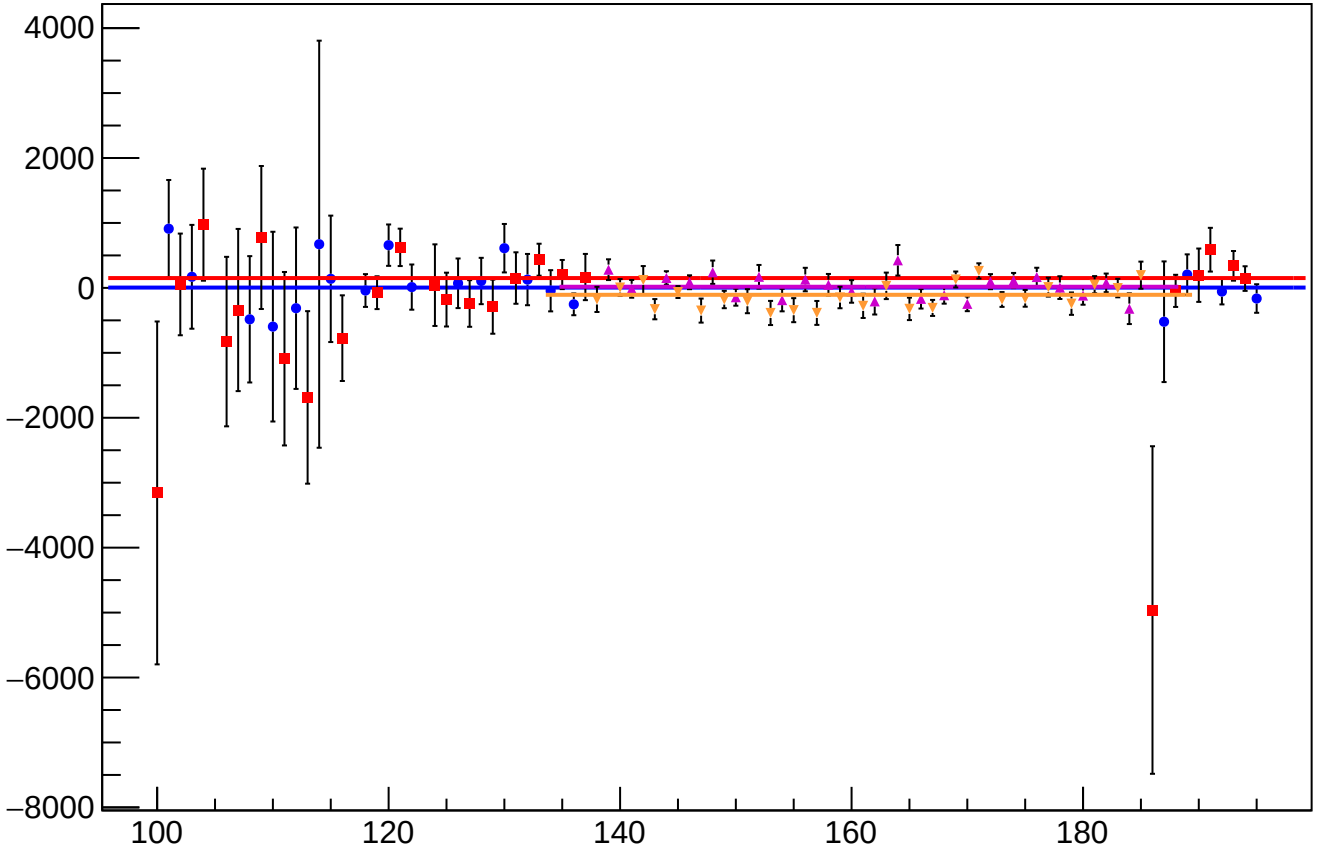
Right: 55.467+/-0.009 χ^2/NDF: 3099137.7/44

In: 41.405+/-0.006 χ^2/NDF:2969219.2/42

Out: 41.543+/-0.006 χ^2/NDF:4121213.2/49

All: 41.476+/-0.004 χ^2/NDF: 7090736.3/92

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 4.767+/-76.270 χ^2/NDF: 12.9/19

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 151.207+/-73.106 χ^2/NDF: 23.3/24

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

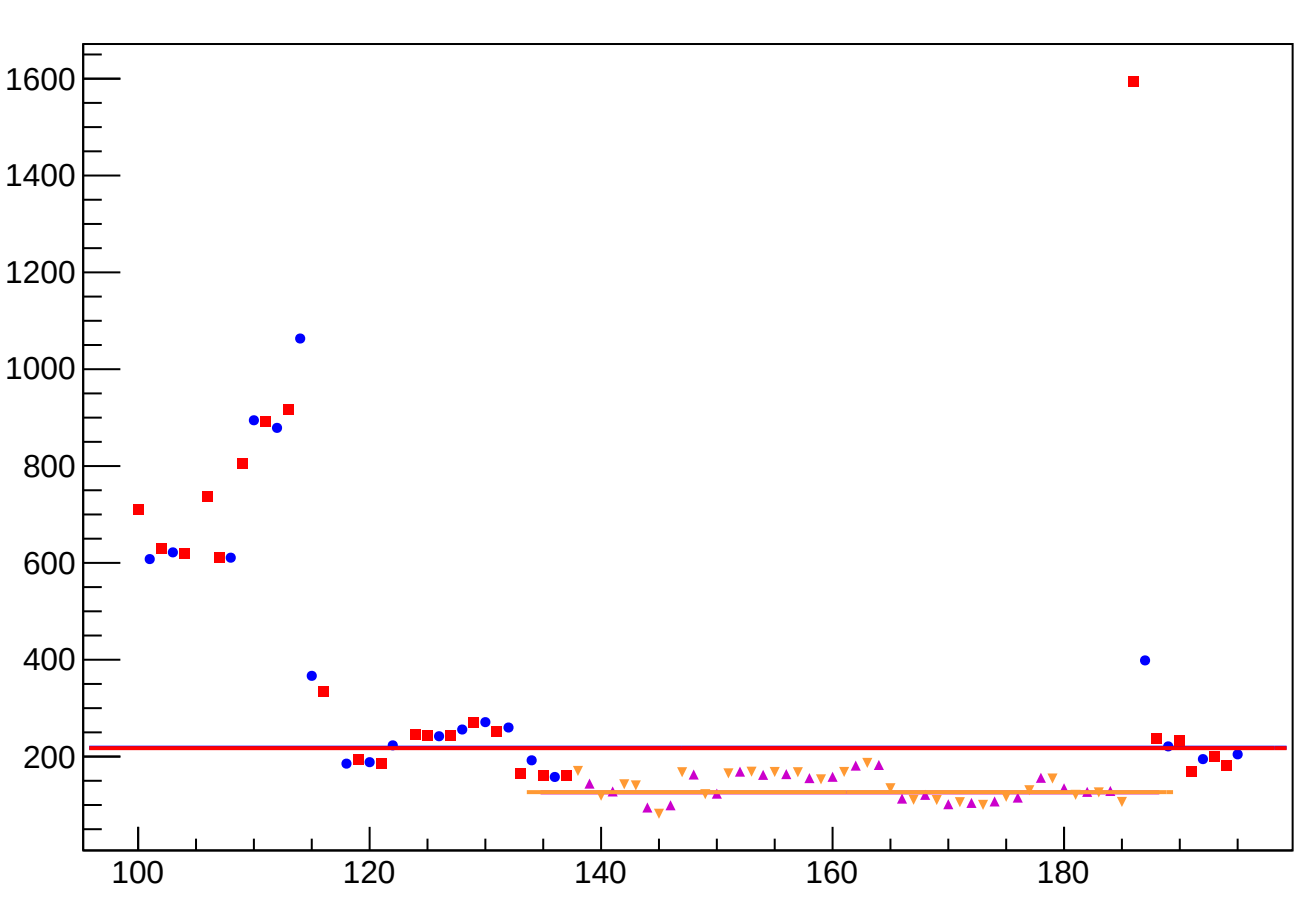
Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

Right: 81.088+/-52.777 χ^2/NDF: 38.1/44

In: 15.790+/-28.067 χ^2/NDF:41.2/42

Out: -70.285+/-27.407 χ^2/NDF:71.6/49

All: -28.271+/-19.609 χ^2/NDF: 117.6/92



Right In: 218.353+/-0.054 χ^2/NDF: 3087104.6/19

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 217.382+/-0.052 χ^2/NDF: 4394486.2/24

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

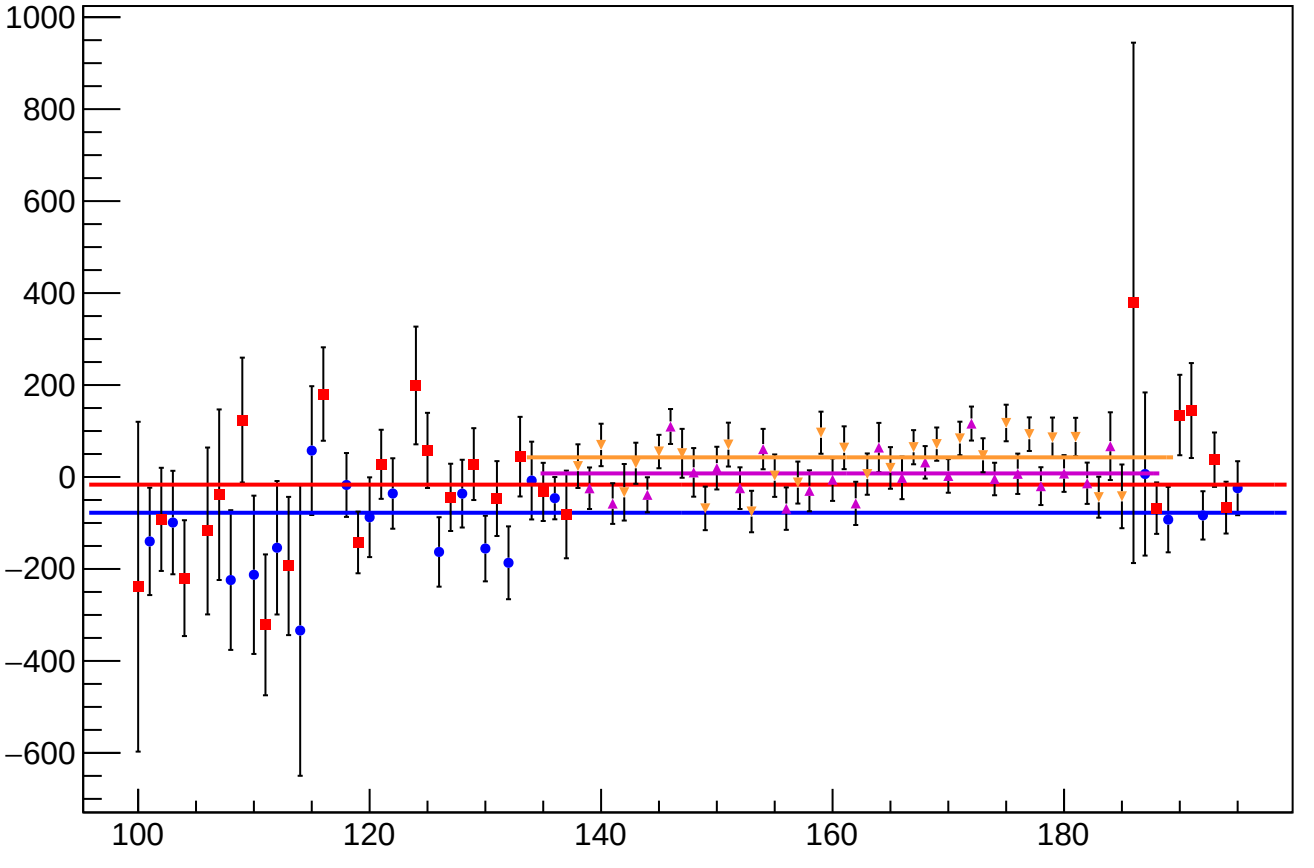
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 217.847+/-0.037 χ^2/NDF: 7481759.7/44

In: 138.518+/-0.020 χ^2/NDF:7032298.3/42

Out: 139.326+/-0.019 χ^2/NDF:8805561.0/49

All: 138.931+/-0.014 χ^2/NDF: 15838706.6/92



Right In: -77.760+/-18.083 χ^2/NDF: 11.7/19

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -16.604+/-17.673 χ^2/NDF: 31.5/24

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

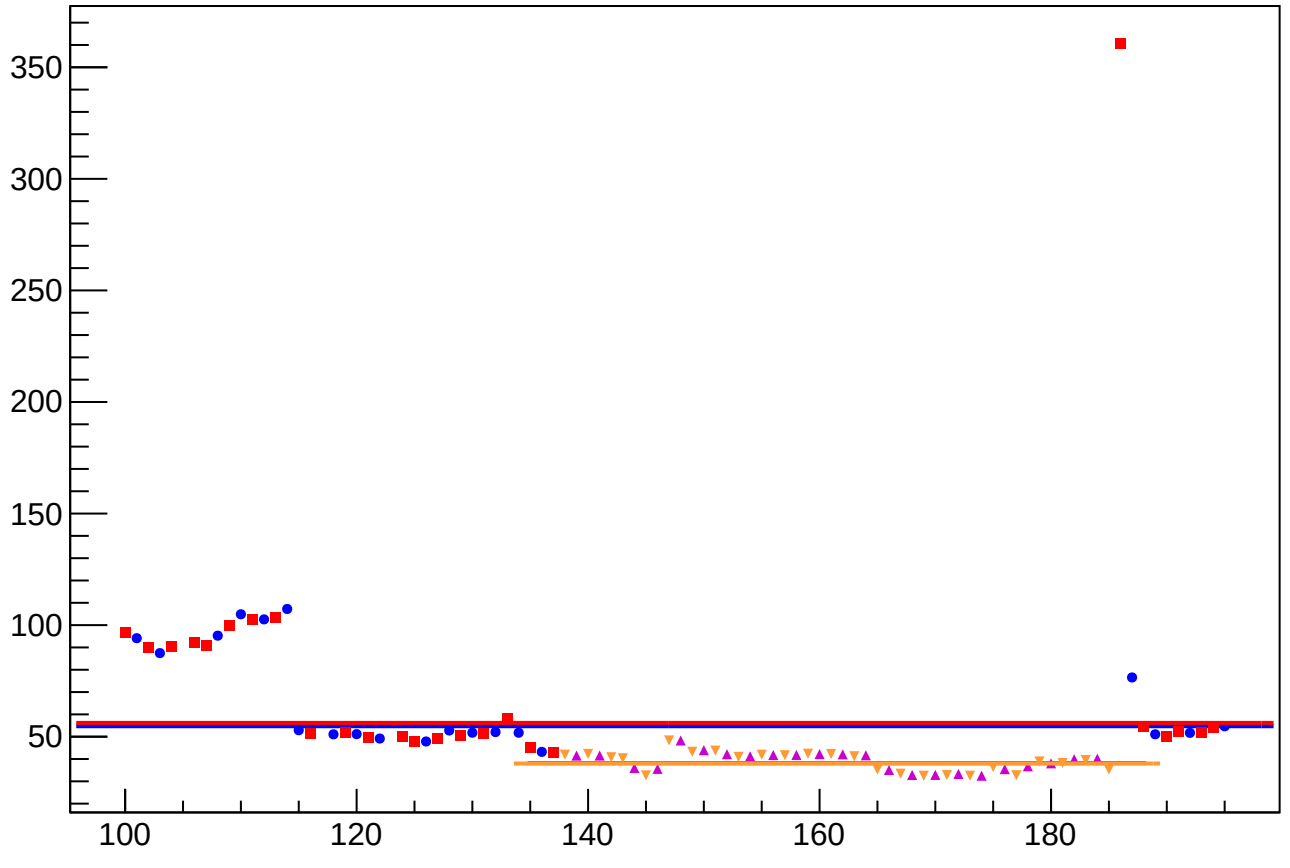
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -46.483+/-12.639 χ^2/NDF: 49.1/44

In: -9.122+/-8.039 χ^2/NDF:60.3/42

Out: 31.190+/-7.804 χ^2/NDF:75.3/49

All: 11.631+/-5.599 χ^2/NDF: 148.5/92



Right In: 54.689+/-0.013 χ^2/NDF: 1195646.9/19

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.191+/-0.012 χ^2/NDF: 1888538.2/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

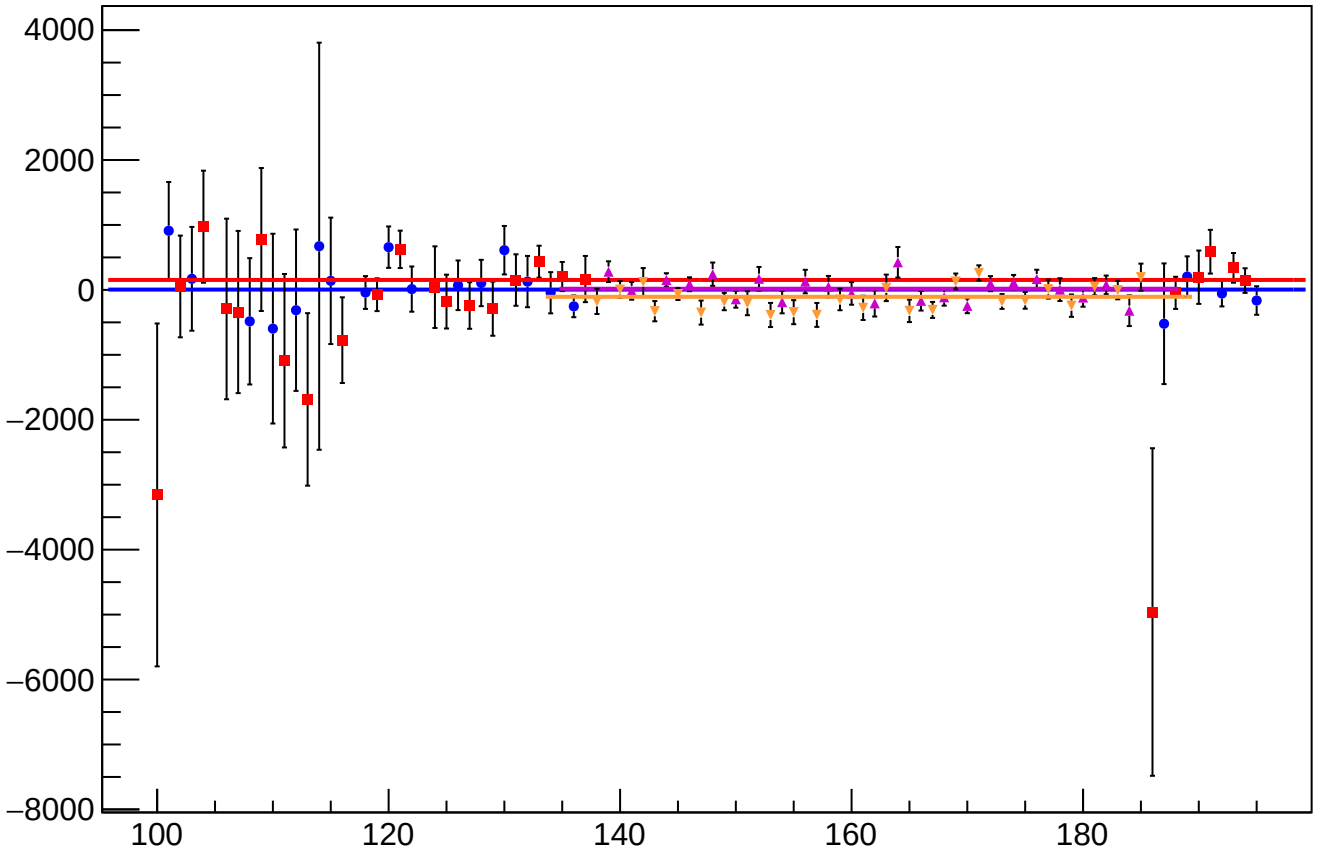
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.457+/-0.009 χ^2/NDF: 3091244.7/44

In: 41.405+/-0.006 χ^2/NDF:2969219.3/42

Out: 41.539+/-0.006 χ^2/NDF:4109820.4/49

All: 41.474+/-0.004 χ^2/NDF: 7079326.3/92



Right In: 4.768+/-76.270 χ^2/NDF: 12.9/19

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 153.023+/-73.120 χ^2/NDF: 22.8/24

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

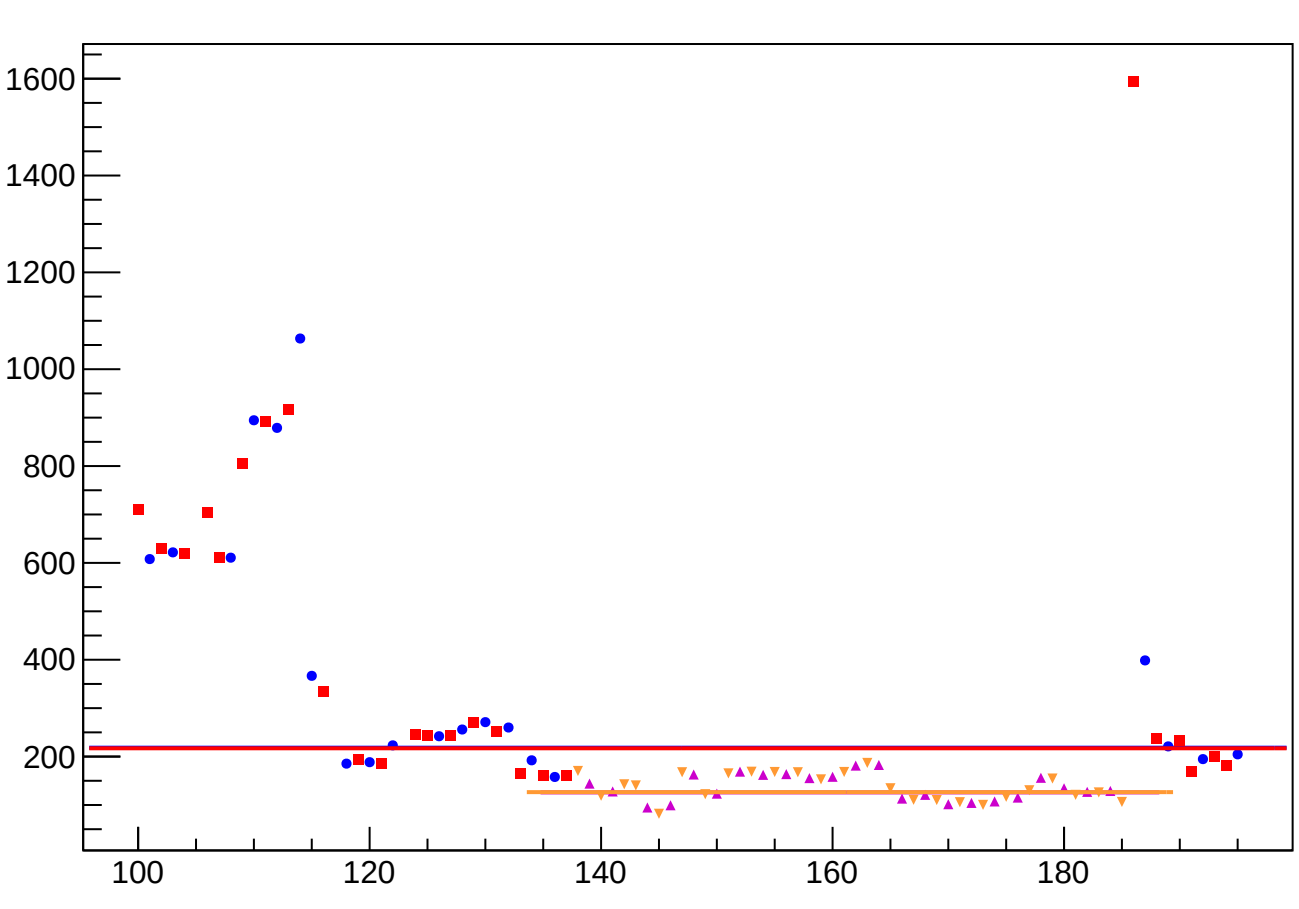
Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

Right: 82.021+/-52.782 χ^2/NDF: 37.7/44

In: 15.791+/-28.067 χ^2/NDF:41.2/42

Out: -70.041+/-27.408 χ^2/NDF:71.3/49

All: -28.145+/-19.609 χ^2/NDF: 117.3/92



Right In: 218.353+/-0.054 χ^2/NDF: 3087109.8/19

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 217.099+/-0.052 χ^2/NDF: 4323703.2/24

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

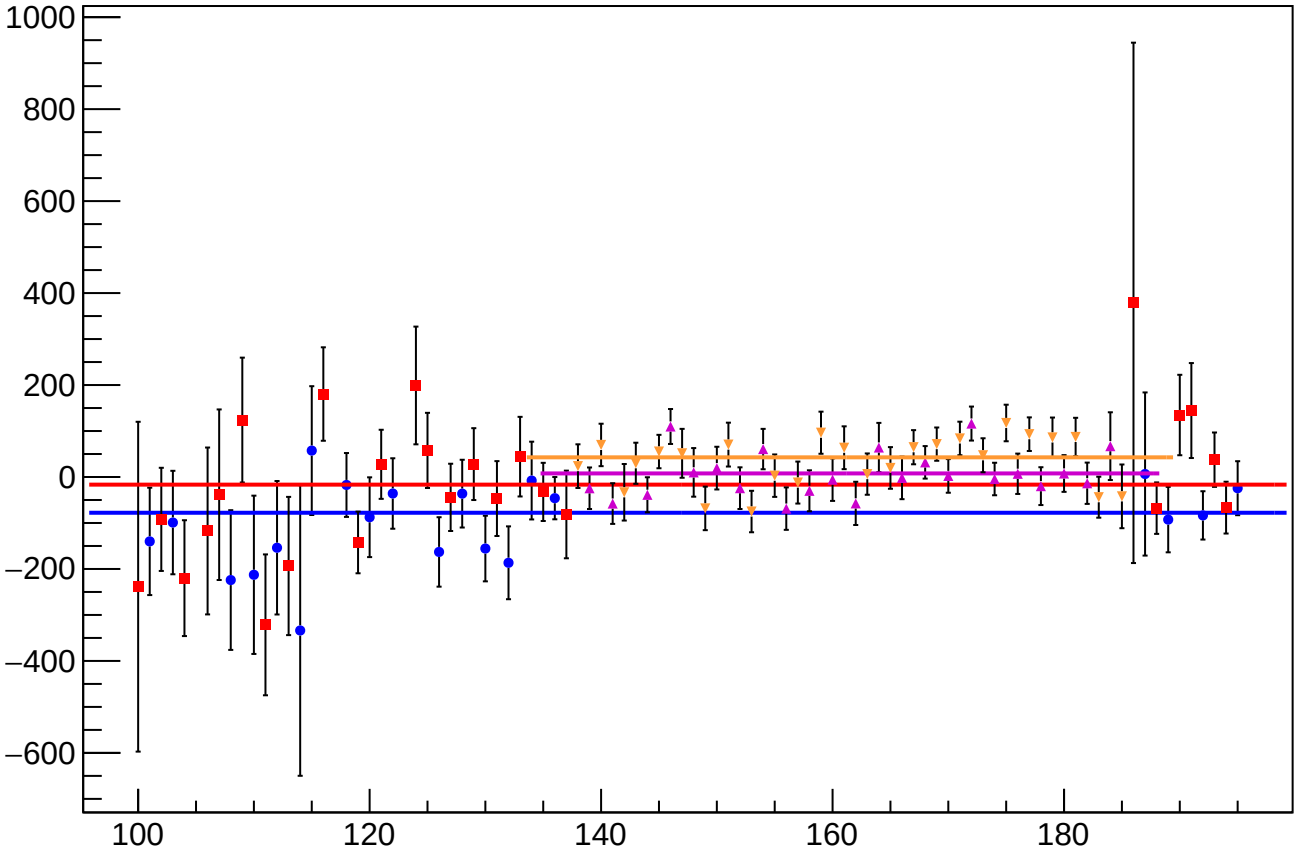
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 217.699+/-0.037 χ^2/NDF: 7411094.7/44

In: 138.518+/-0.020 χ^2/NDF:7032318.9/42

Out: 139.282+/-0.019 χ^2/NDF:8717397.7/49

All: 138.909+/-0.014 χ^2/NDF: 15750474.4/92



Right In: -77.760+/-18.083 χ^2/NDF: 11.7/19

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -16.604+/-17.673 χ^2/NDF: 31.5/24

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

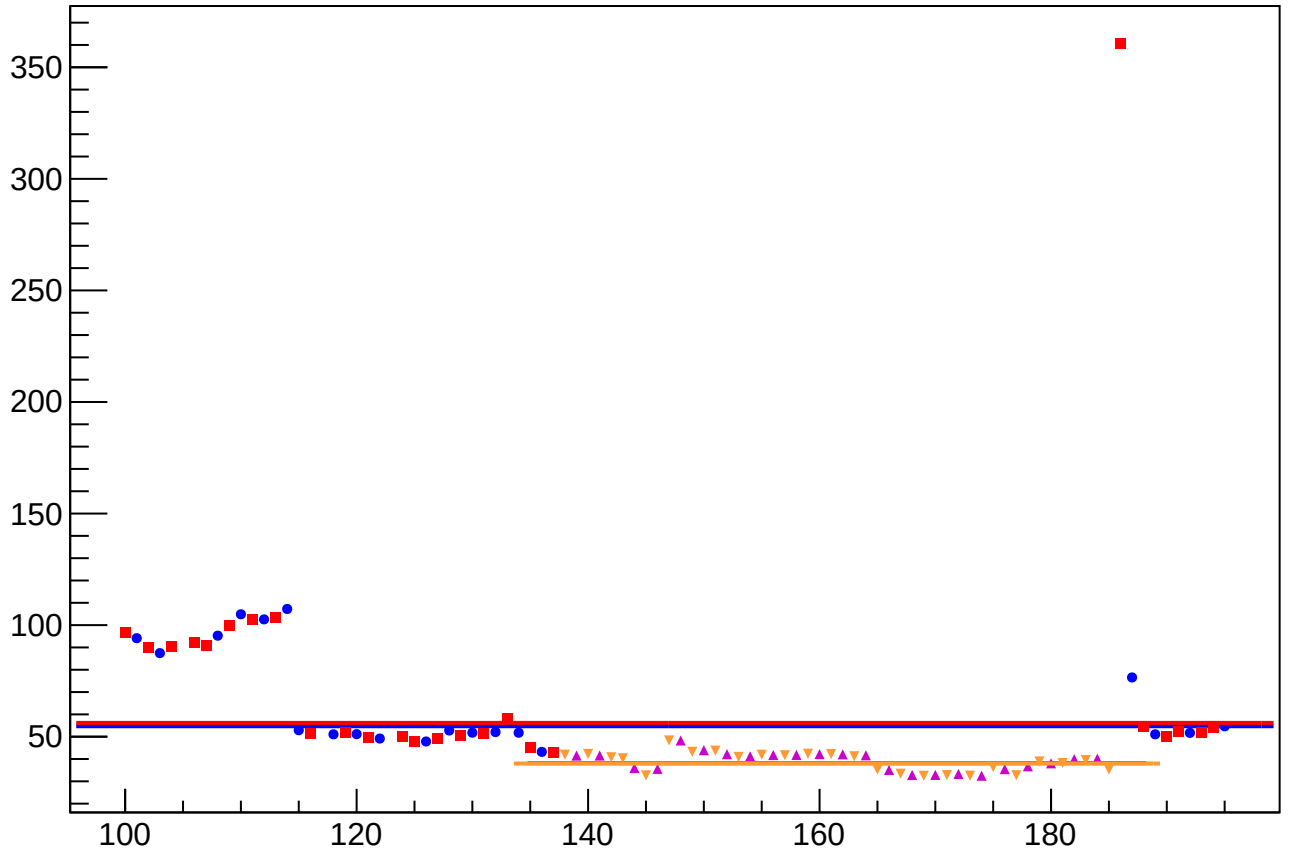
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -46.483+/-12.639 χ^2/NDF: 49.1/44

In: -9.122+/-8.039 χ^2/NDF:60.3/42

Out: 31.190+/-7.804 χ^2/NDF:75.3/49

All: 11.631+/-5.599 χ^2/NDF: 148.5/92



Right In: 54.689+/-0.013 χ^2/NDF: 1195646.9/19

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.191+/-0.012 χ^2/NDF: 1888538.2/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

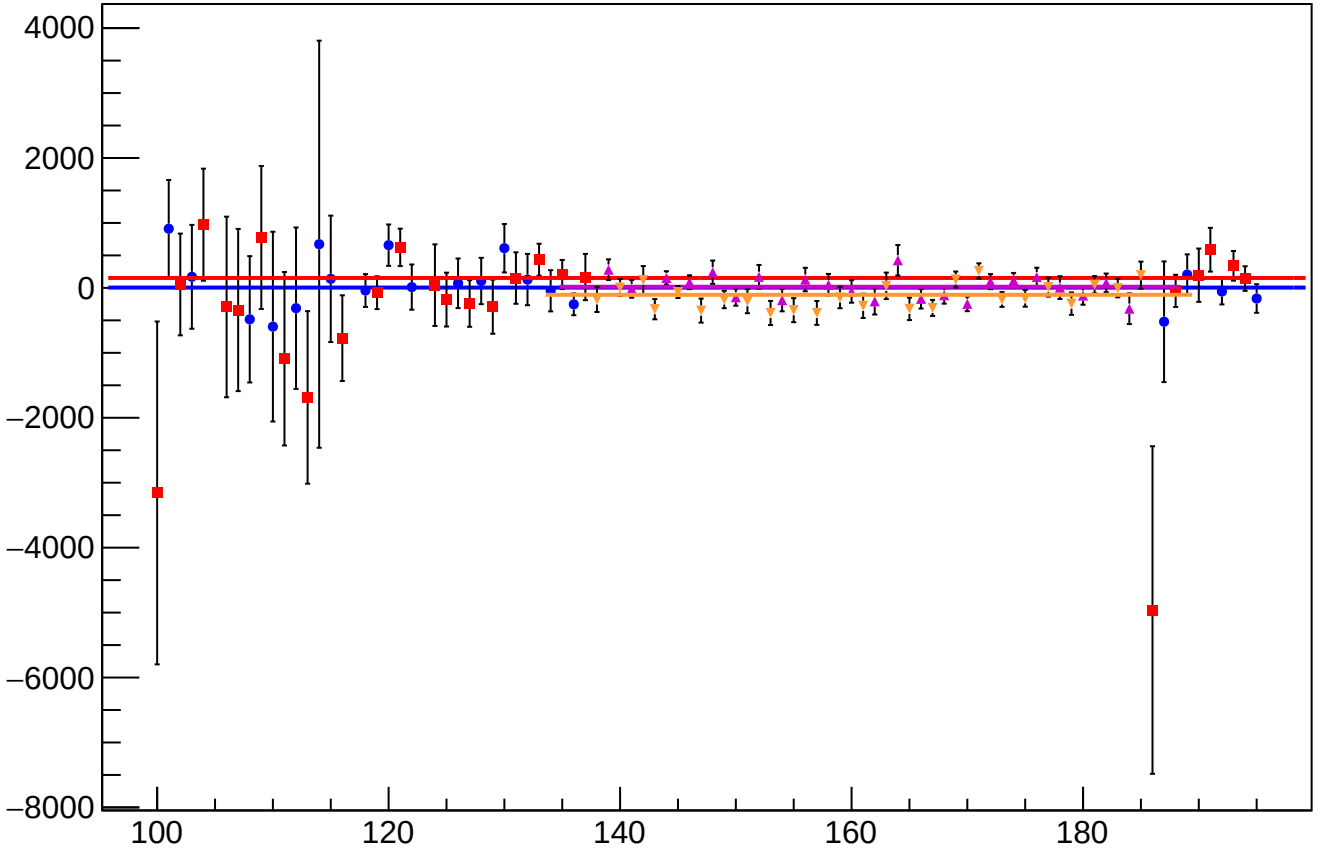
Right: 55.457+/-0.009 χ^2/NDF: 3091244.7/44

In: 41.405+/-0.006 χ^2/NDF:2969219.3/42

Out: 41.539+/-0.006 χ^2/NDF:4109820.4/49

All: 41.474+/-0.004 χ^2/NDF: 7079326.3/92

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 4.768+/-76.270 χ^2/NDF: 12.9/19

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 153.023+/-73.120 χ^2/NDF: 22.8/24

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

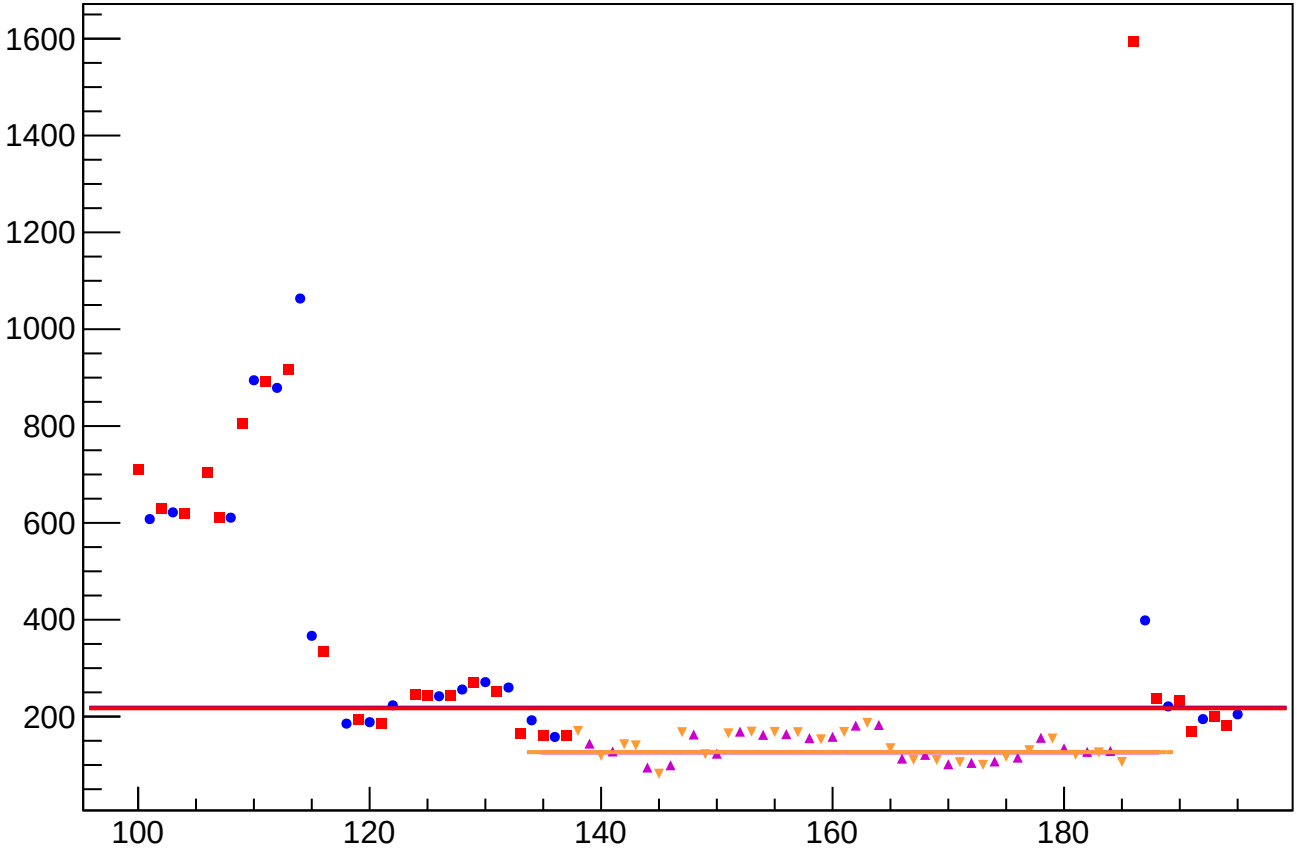
Right: 82.021+/-52.782 χ^2/NDF: 37.7/44

In: 15.791+/-28.067 χ^2/NDF:41.2/42

Out: -70.041+/-27.408 χ^2/NDF:71.3/49

All: -28.145+/-19.609 χ^2/NDF: 117.3/92

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 218.353+/-0.054 χ^2/NDF: 3087109.8/19

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 217.099+/-0.052 χ^2/NDF: 4323703.2/24

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

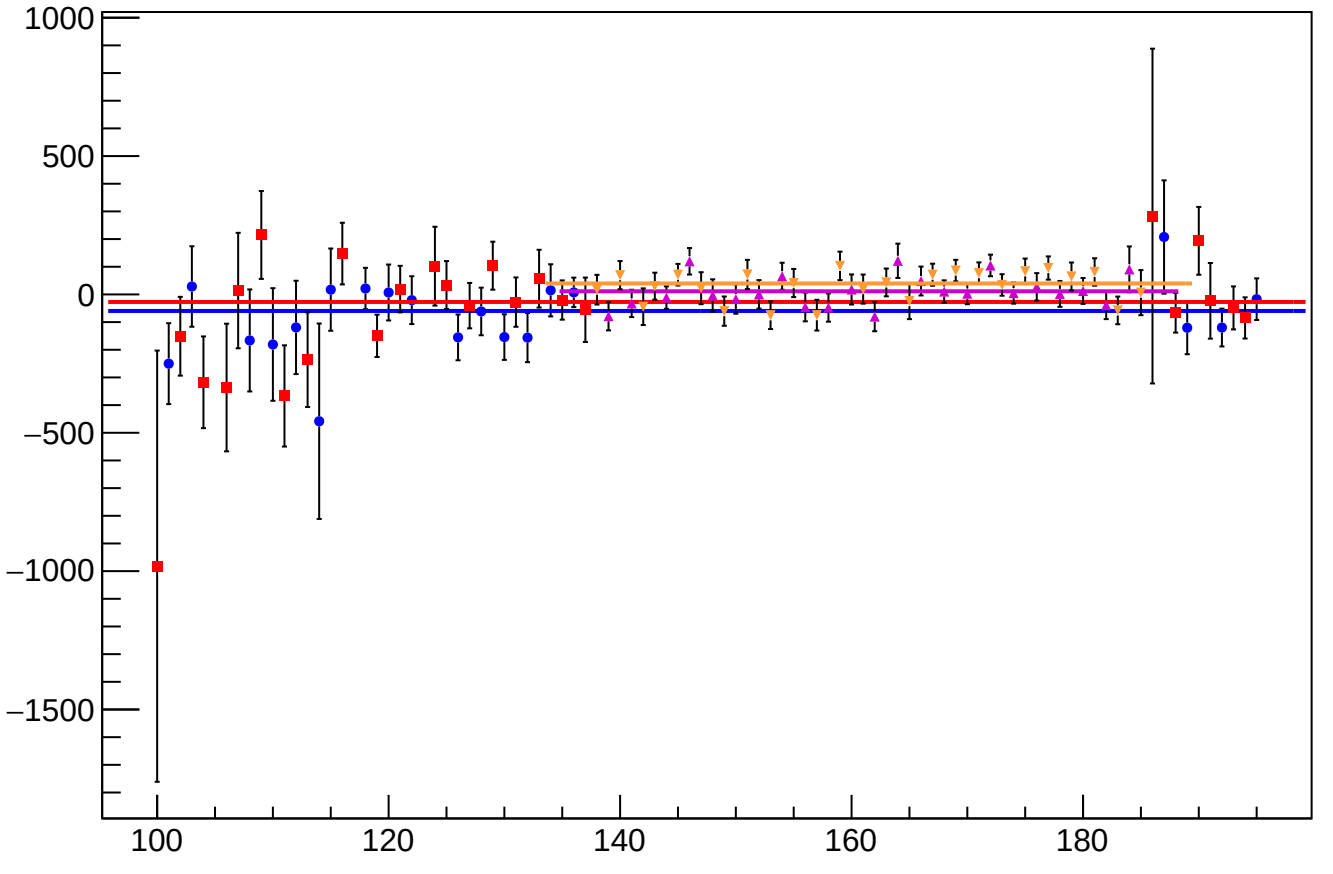
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 217.699+/-0.037 χ^2/NDF: 7411094.7/44

In: 138.518+/-0.020 χ^2/NDF:7032318.9/42

Out: 139.282+/-0.019 χ^2/NDF:8717397.7/49

All: 138.909+/-0.014 χ^2/NDF: 15750474.4/92



Right In: -59.758+/-21.360 χ^2/NDF: 15.5/19

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -27.178+/-21.115 χ^2/NDF: 28.6/24

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

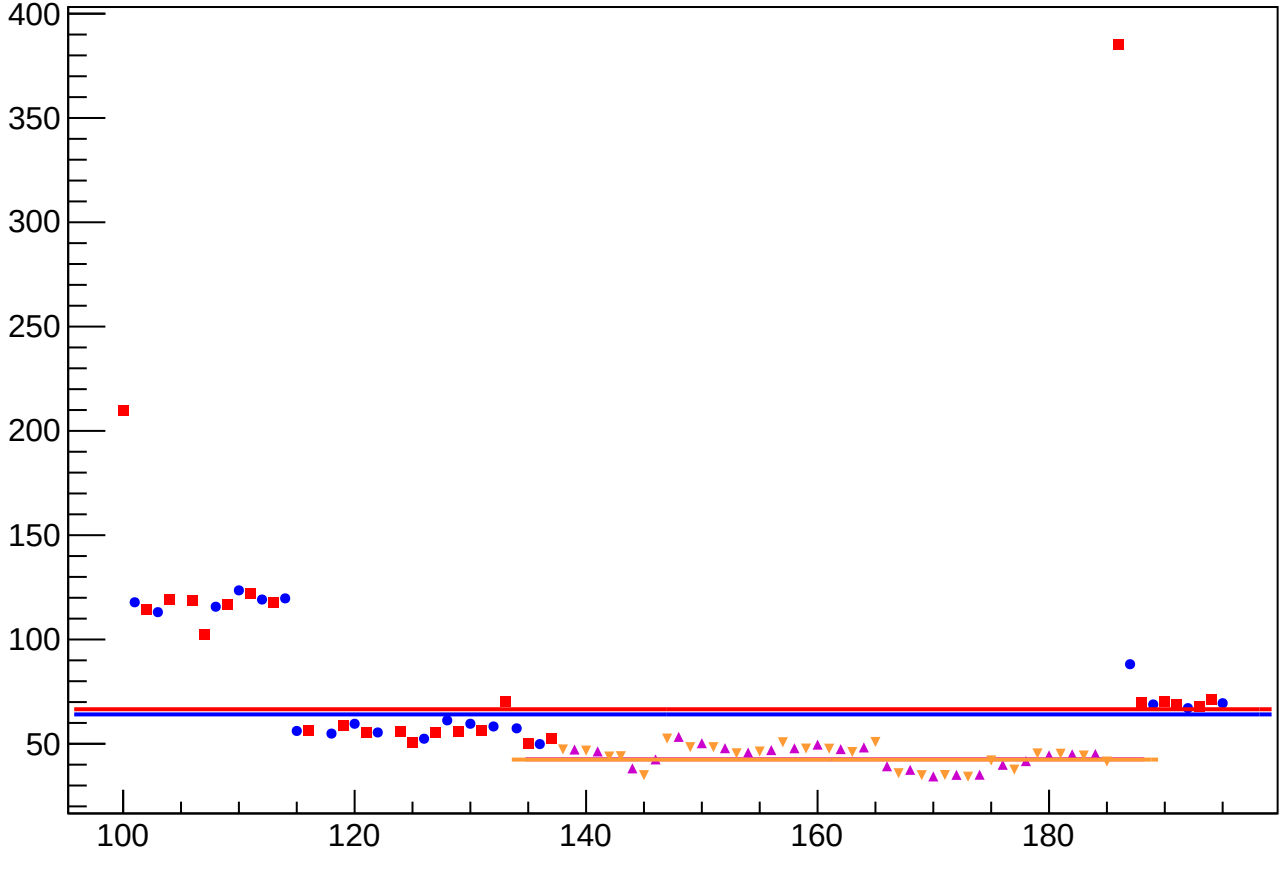
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -43.280+/-15.017 χ^2/NDF: 45.2/44

In: -1.631+/-9.114 χ^2/NDF:52.4/42

Out: 27.843+/-8.848 χ^2/NDF:66.4/49

All: 13.542+/-6.348 χ^2/NDF: 124.3/92



Right In: 64.088+/-0.015 χ^2/NDF: 1403590.7/19

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 66.566+/-0.015 χ^2/NDF: 2172104.4/24

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

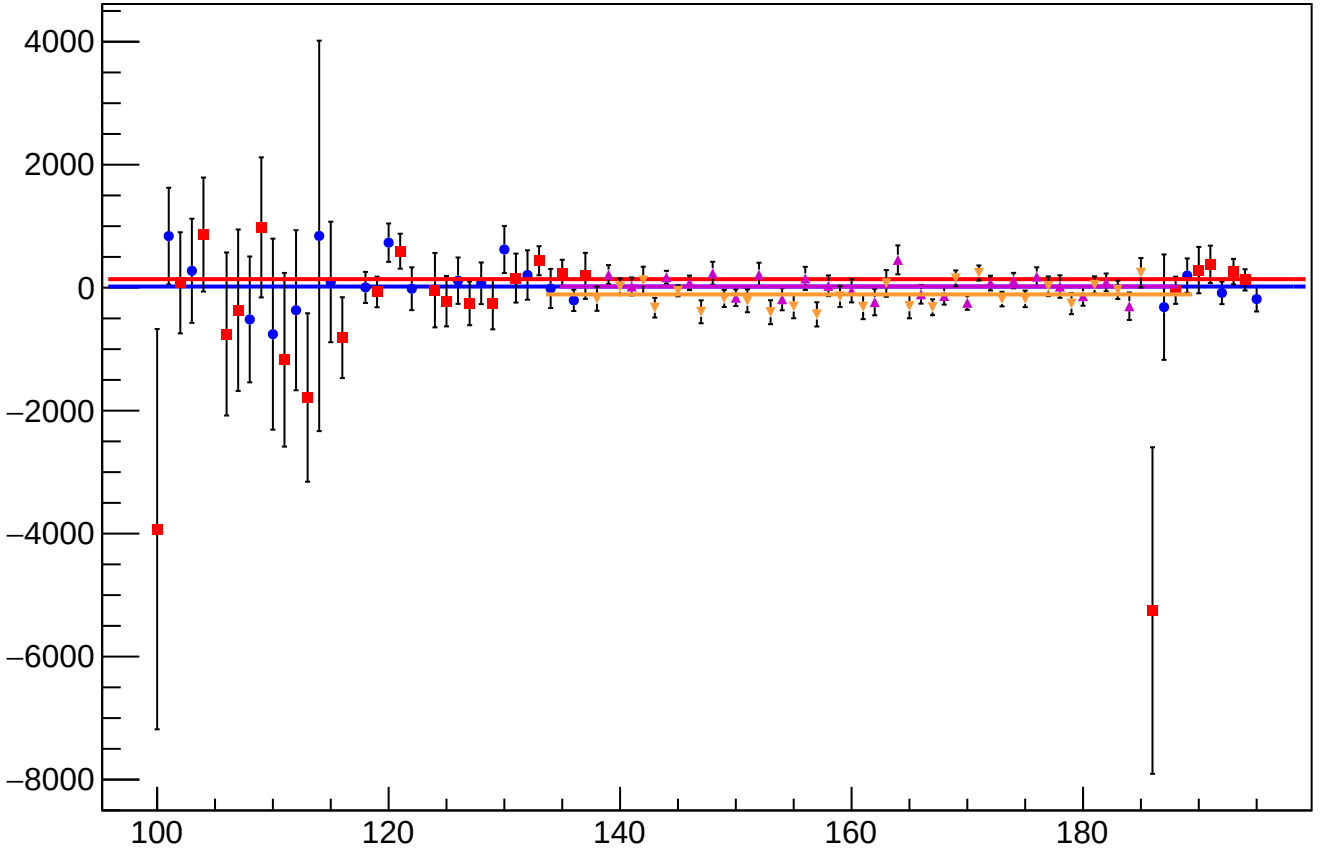
Right: 65.341+/-0.011 χ^2/NDF: 3589314.7/44

In: 46.495+/-0.006 χ^2/NDF:3652210.8/42

Out: 46.665+/-0.006 χ^2/NDF:5025882.3/49

All: 46.582+/-0.004 χ^2/NDF: 8678453.9/92

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 18.258+/-74.376 χ^2/NDF: 13.5/19

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 138.587+/-69.534 χ^2/NDF: 22.3/24

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

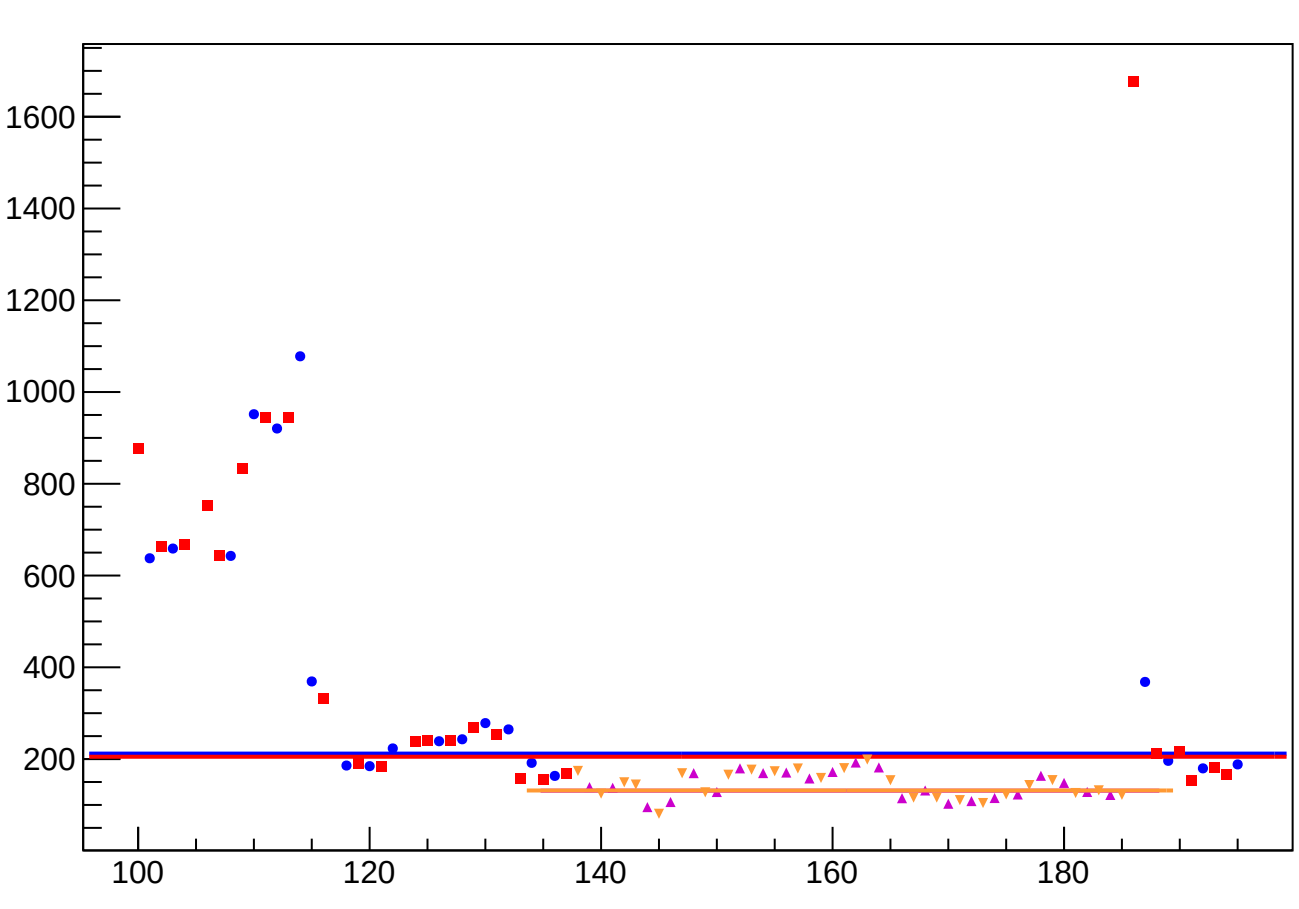
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 82.467+/-50.793 χ^2/NDF: 37.1/44

In: 18.750+/-28.988 χ^2/NDF:40.7/42

Out: -69.208+/-28.129 χ^2/NDF:69.2/49

All: -26.551+/-20.187 χ^2/NDF: 114.6/92



Right In: 211.909+/-0.053 χ^2/NDF: 3230419.0/19

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 205.043+/-0.049 χ^2/NDF: 4719793.0/24

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

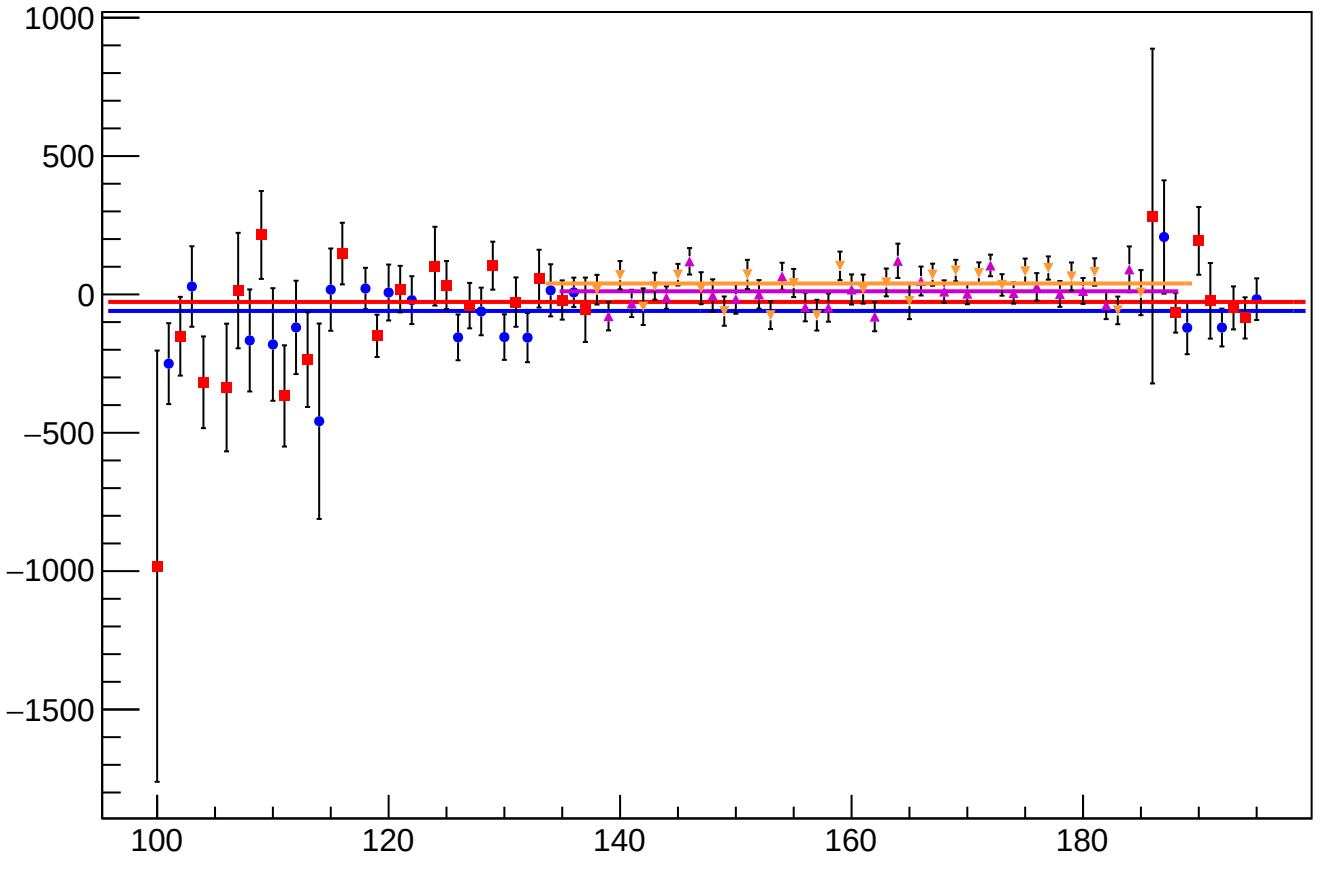
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 208.245+/-0.036 χ^2/NDF: 7959305.5/44

In: 143.353+/-0.020 χ^2/NDF:6701828.5/42

Out: 143.548+/-0.020 χ^2/NDF:8493122.6/49

All: 143.453+/-0.014 χ^2/NDF: 15194998.0/92



Right In: -59.759+/-21.360 χ^2/NDF: 15.5/19

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -27.179+/-21.115 χ^2/NDF: 28.6/24

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

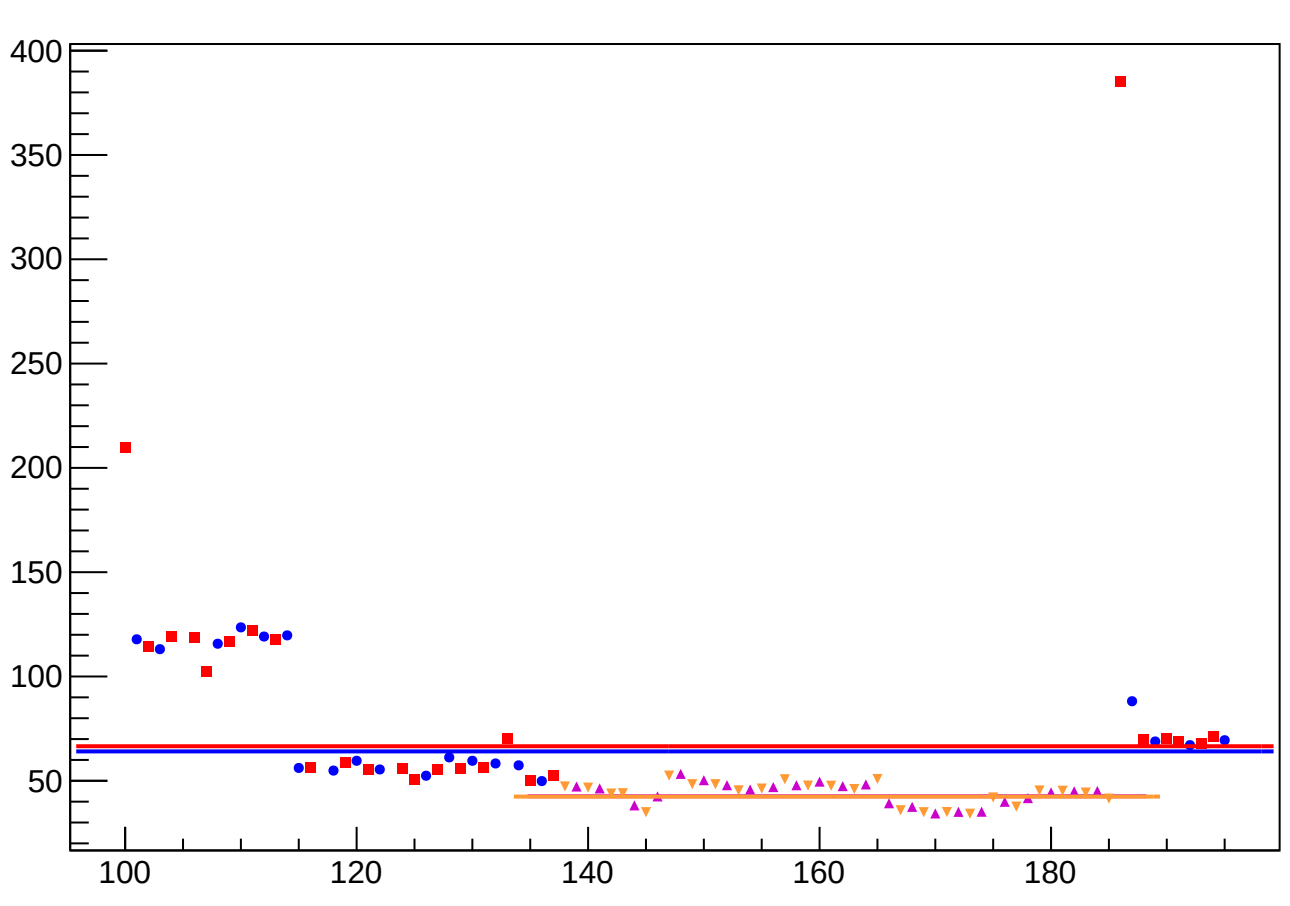
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -43.281+/-15.016 χ^2/NDF: 45.2/44

In: -1.631+/-9.114 χ^2/NDF:52.4/42

Out: 27.844+/-8.848 χ^2/NDF:66.4/49

All: 13.542+/-6.348 χ^2/NDF: 124.3/92



Right In: 64.087+/-0.015 χ^2/NDF: 1403585.4/19

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 66.566+/-0.015 χ^2/NDF: 2172097.4/24

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

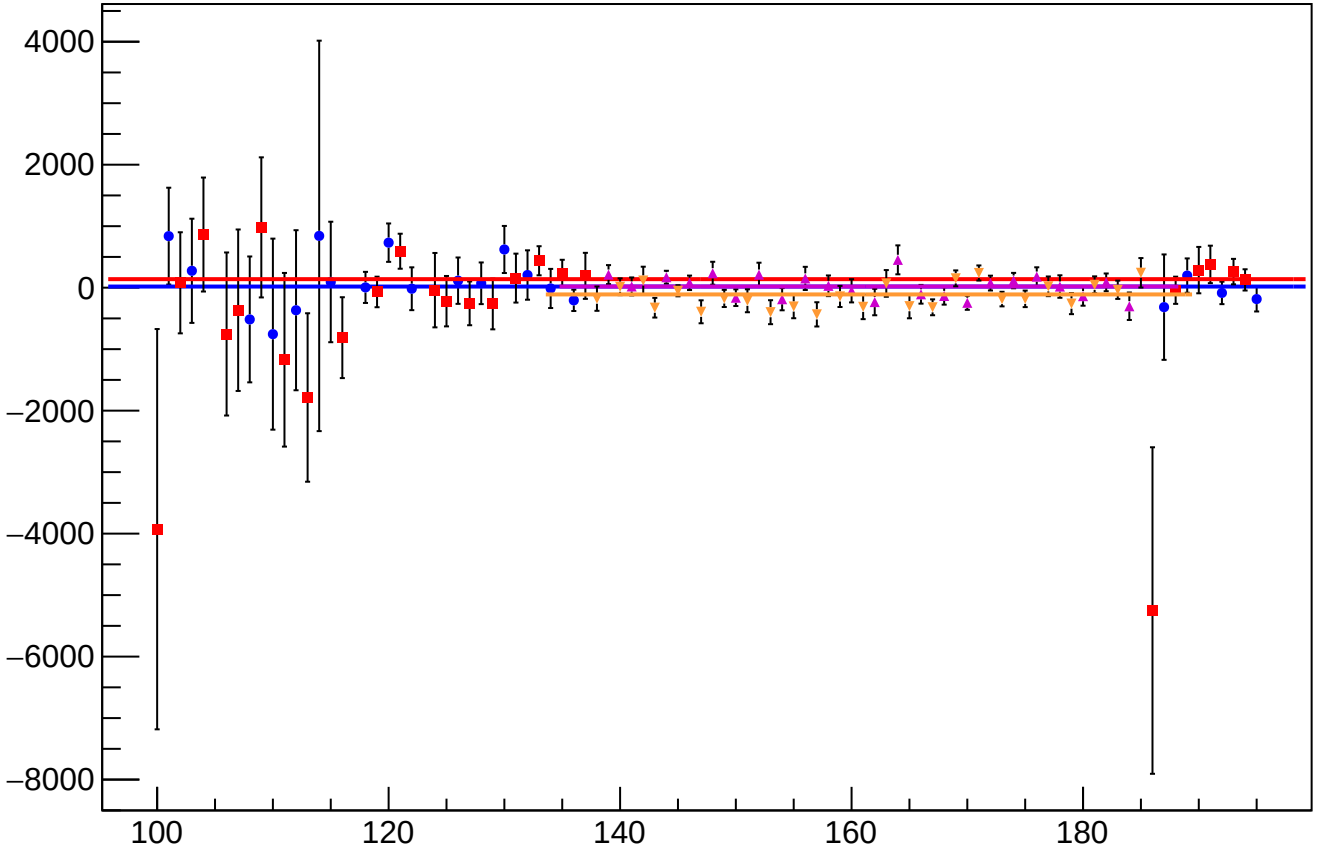
Right: 65.341+/-0.011 χ^2/NDF: 3589305.1/44

In: 46.495+/-0.006 χ^2/NDF:3652170.4/42

Out: 46.665+/-0.006 χ^2/NDF:5025895.2/49

All: 46.582+/-0.004 χ^2/NDF: 8678426.2/92

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 18.259+/-74.375 χ^2/NDF: 13.5/19

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 138.585+/-69.534 χ^2/NDF: 22.3/24

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

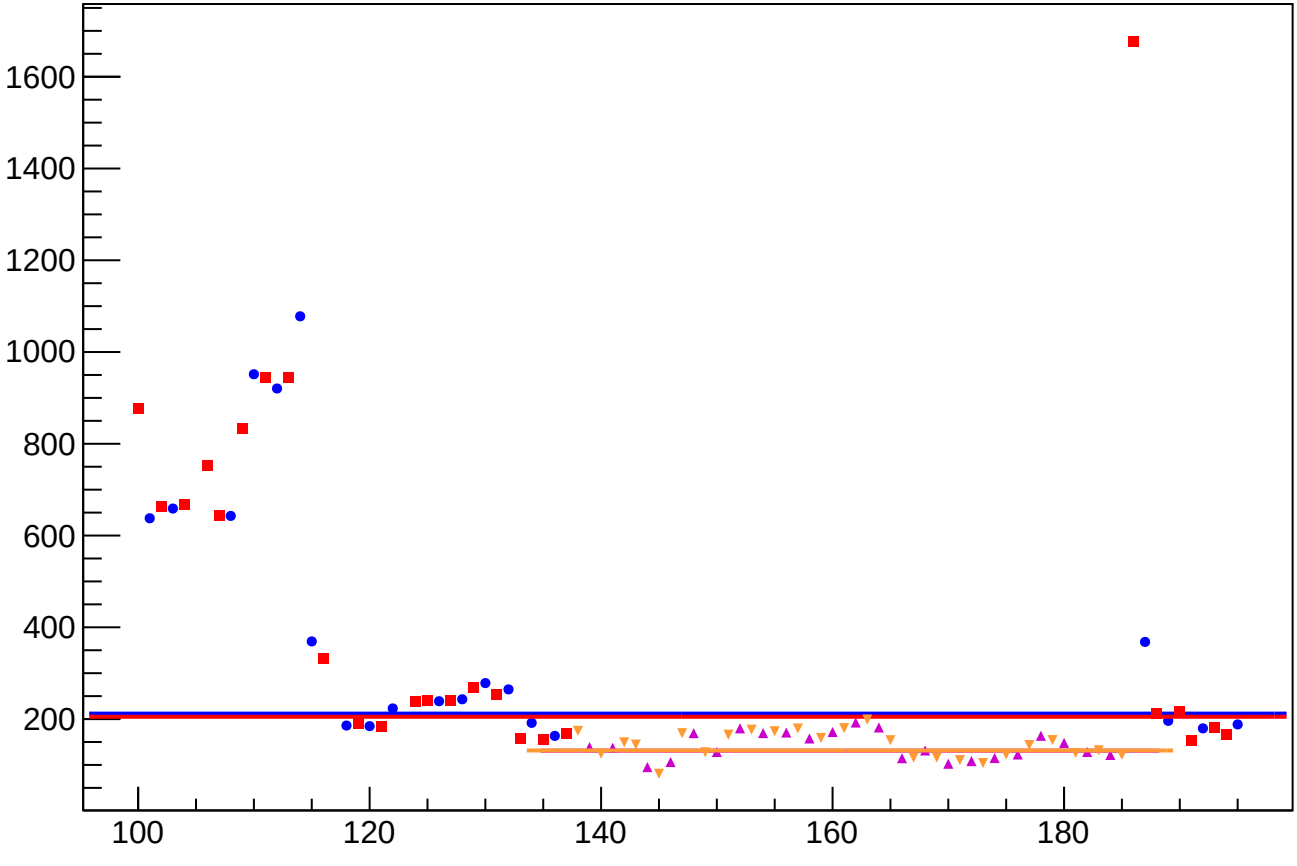
Right: 82.466+/-50.793 χ^2/NDF: 37.1/44

In: 18.750+/-28.988 χ^2/NDF:40.7/42

Out: -69.208+/-28.129 χ^2/NDF:69.2/49

All: -26.550+/-20.187 χ^2/NDF: 114.6/92

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 211.908+/-0.053 χ^2/NDF: 3230412.0/19

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 205.043+/-0.049 χ^2/NDF: 4719789.7/24

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

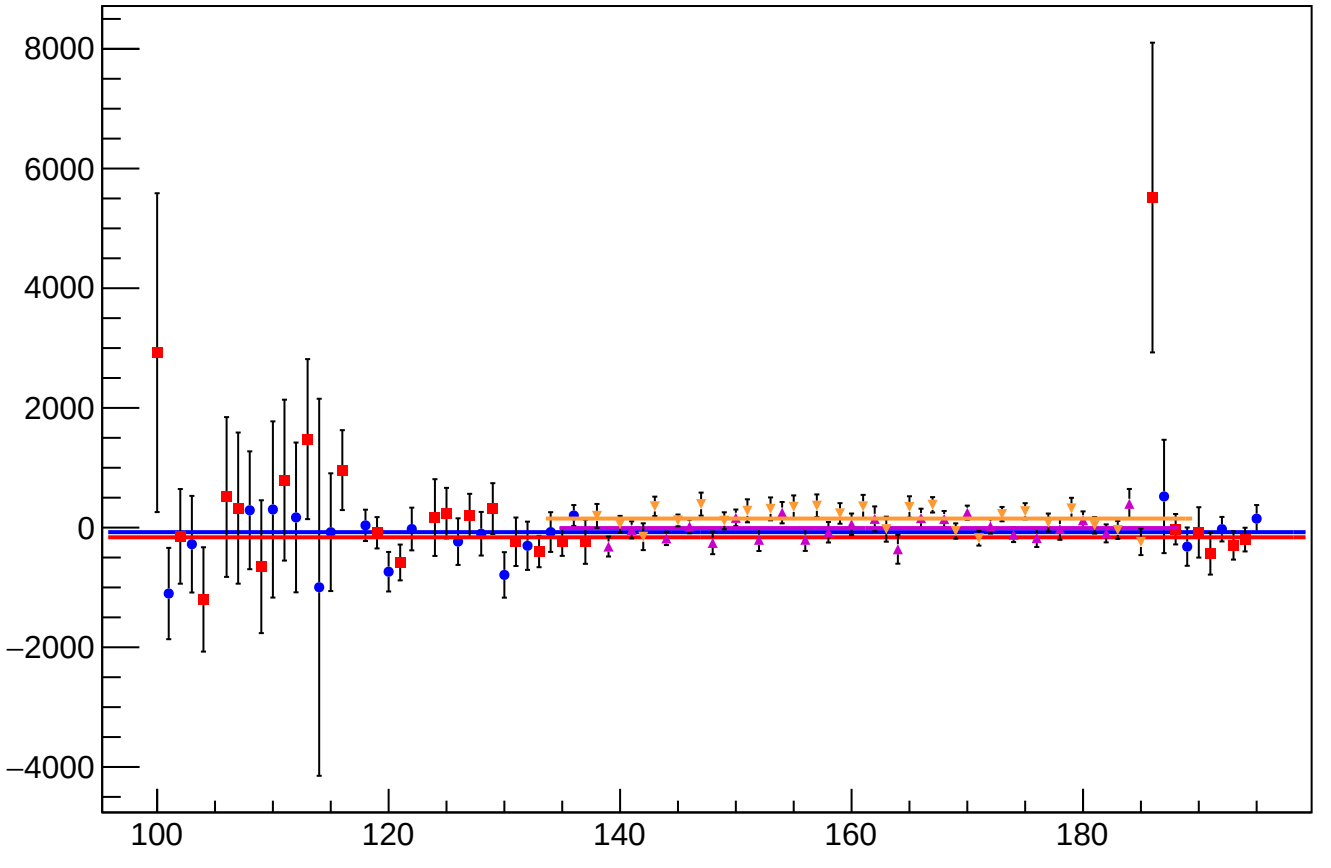
Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

Right: 208.245+/-0.036 χ^2/NDF: 7959294.9/44

In: 143.353+/-0.020 χ^2/NDF:6701799.8/42

Out: 143.548+/-0.020 χ^2/NDF:8493088.3/49

All: 143.454+/-0.014 χ^2/NDF: 15194935.0/92



Right In: -76.174+/-78.755 χ^2/NDF: 15.0/19

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -161.844+/-75.715 χ^2/NDF: 20.8/24

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

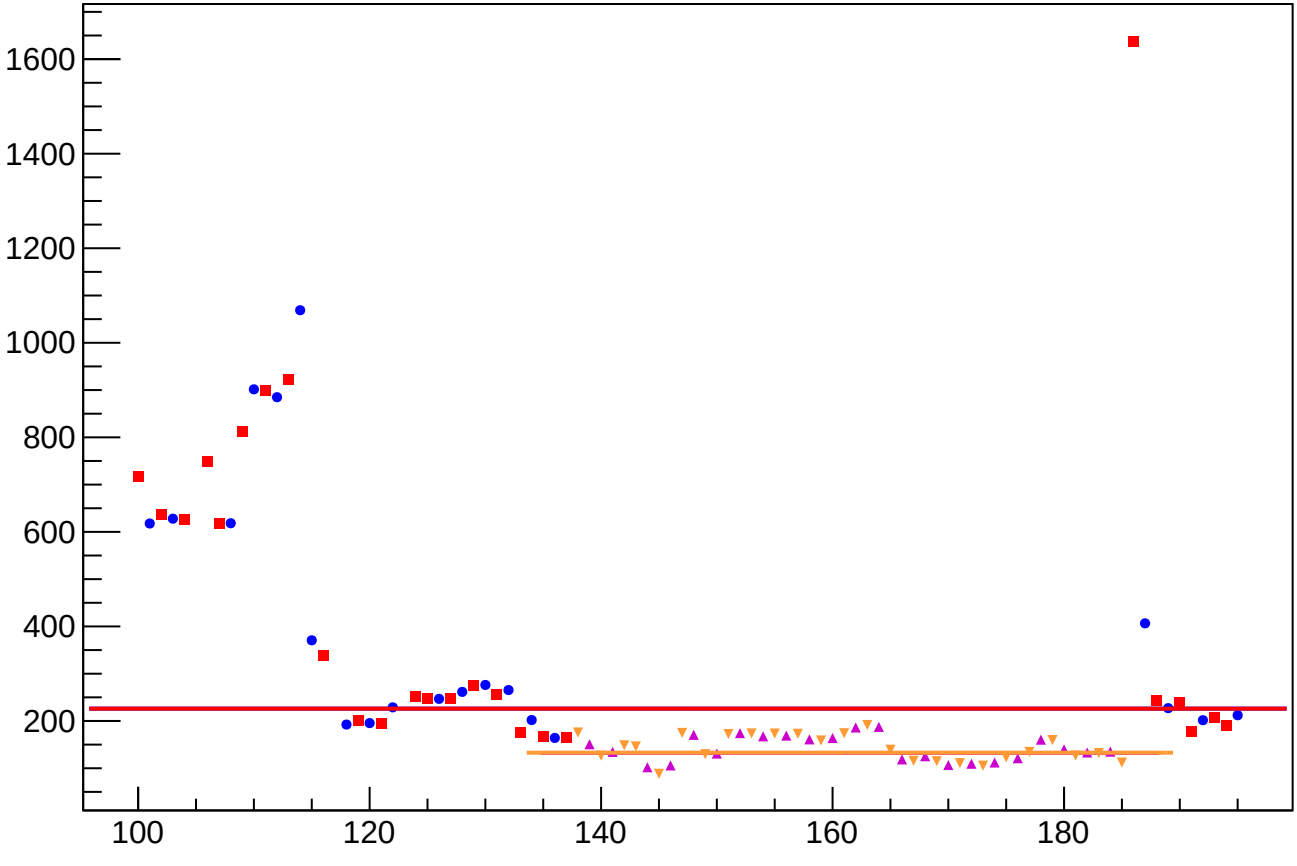
Right: -120.695+/-54.582 χ^2/NDF: 36.4/44

In: -17.414+/-29.344 χ^2/NDF:45.1/42

Out: 106.298+/-28.650 χ^2/NDF:68.5/49

All: 45.922+/-20.500 χ^2/NDF: 122.7/92

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 226.127+/-0.056 χ^2/NDF: 3001854.0/19

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 226.027+/-0.054 χ^2/NDF: 4266020.6/24

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

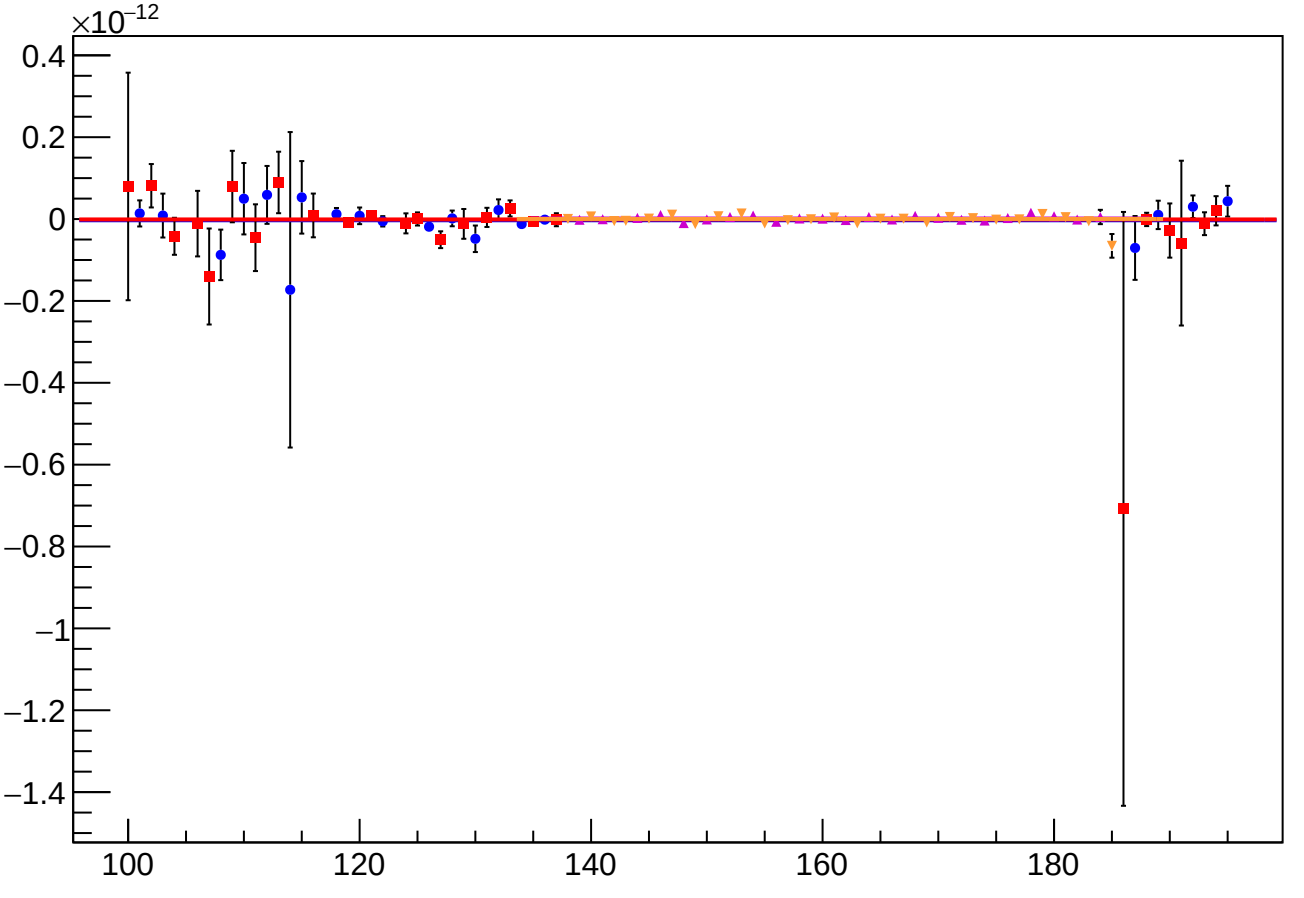
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 226.075+/-0.039 χ^2/NDF: 7267876.3/44

In: 145.362+/-0.021 χ^2/NDF:6722088.3/42

Out: 146.214+/-0.020 χ^2/NDF:8452140.3/49

All: 145.798+/-0.014 χ^2/NDF: 15175090.8/92



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/19

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/24

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

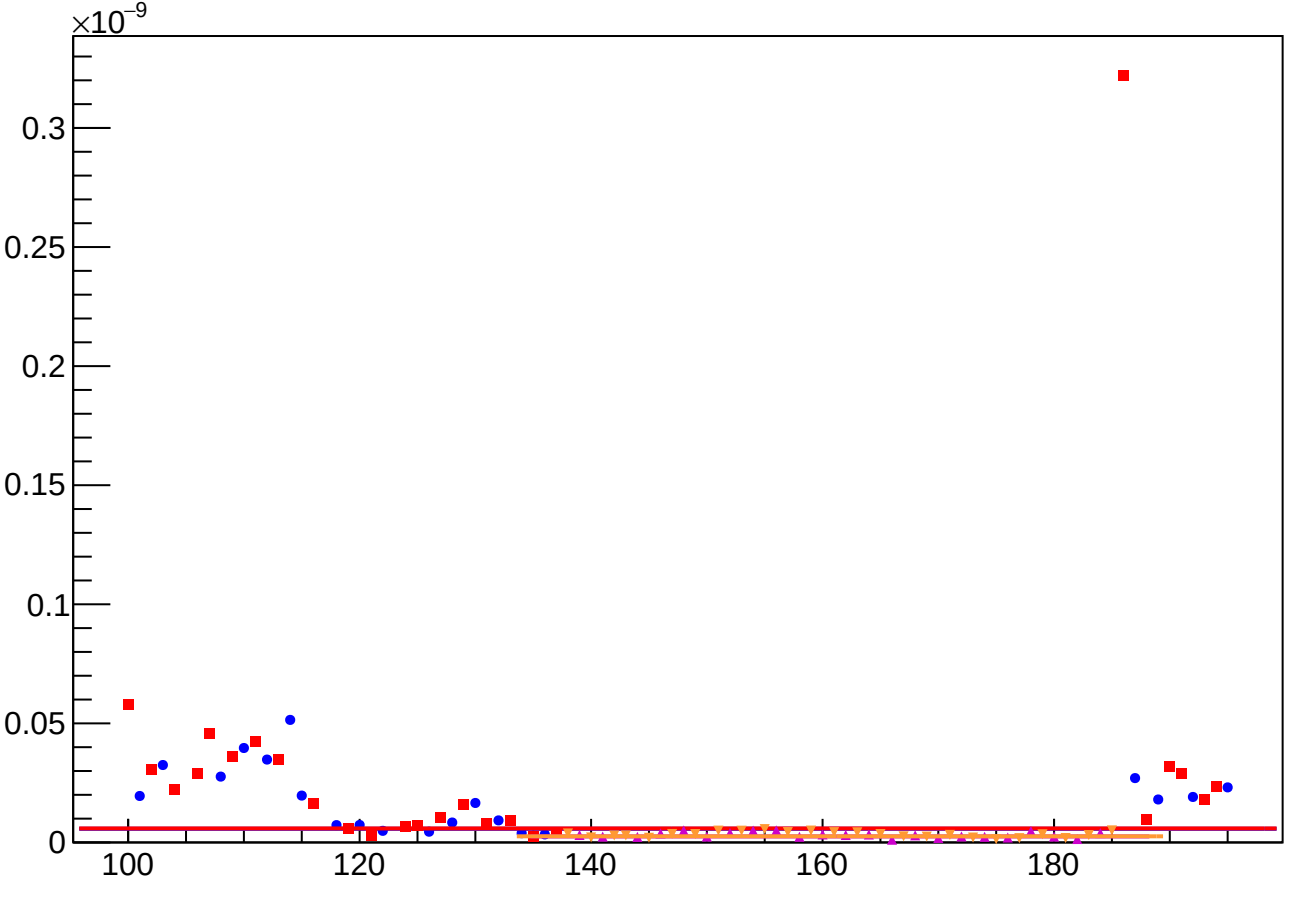
Right: -0.000+/-0.000 χ^2/NDF: 35.3/44

In: 0.000+/-0.000 χ^2/NDF:31.6/42

Out: 0.000+/-0.000 χ^2/NDF:52.1/49

All: 0.000+/-0.000 χ^2/NDF: 84.0/92

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3967696.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4990499.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

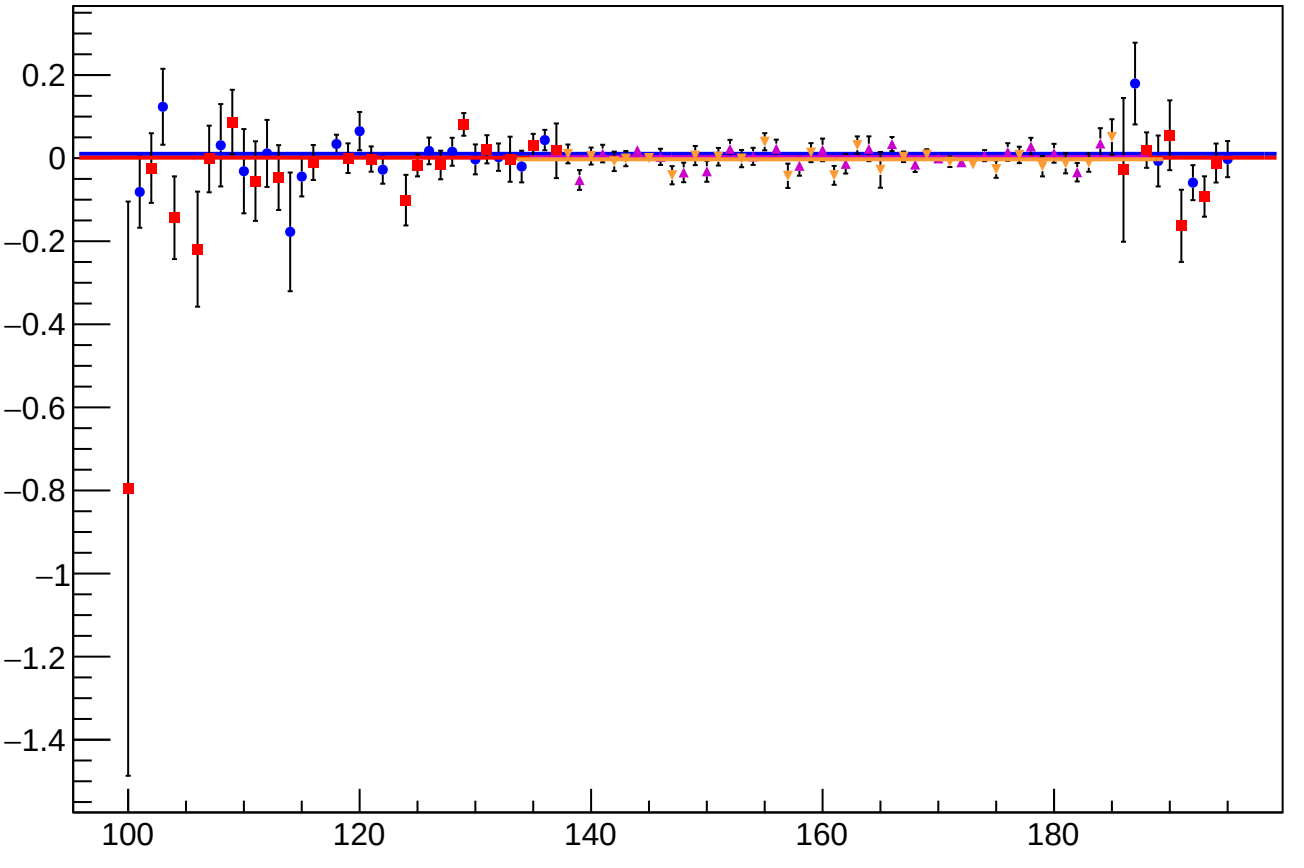
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8959479.0/44

In: 0.000+/-0.000 χ^2/NDF:6973244.7/42

Out: 0.000+/-0.000 χ^2/NDF:8585642.8/49

All: 0.000+/-0.000 χ^2/NDF: 15559312.7/92



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

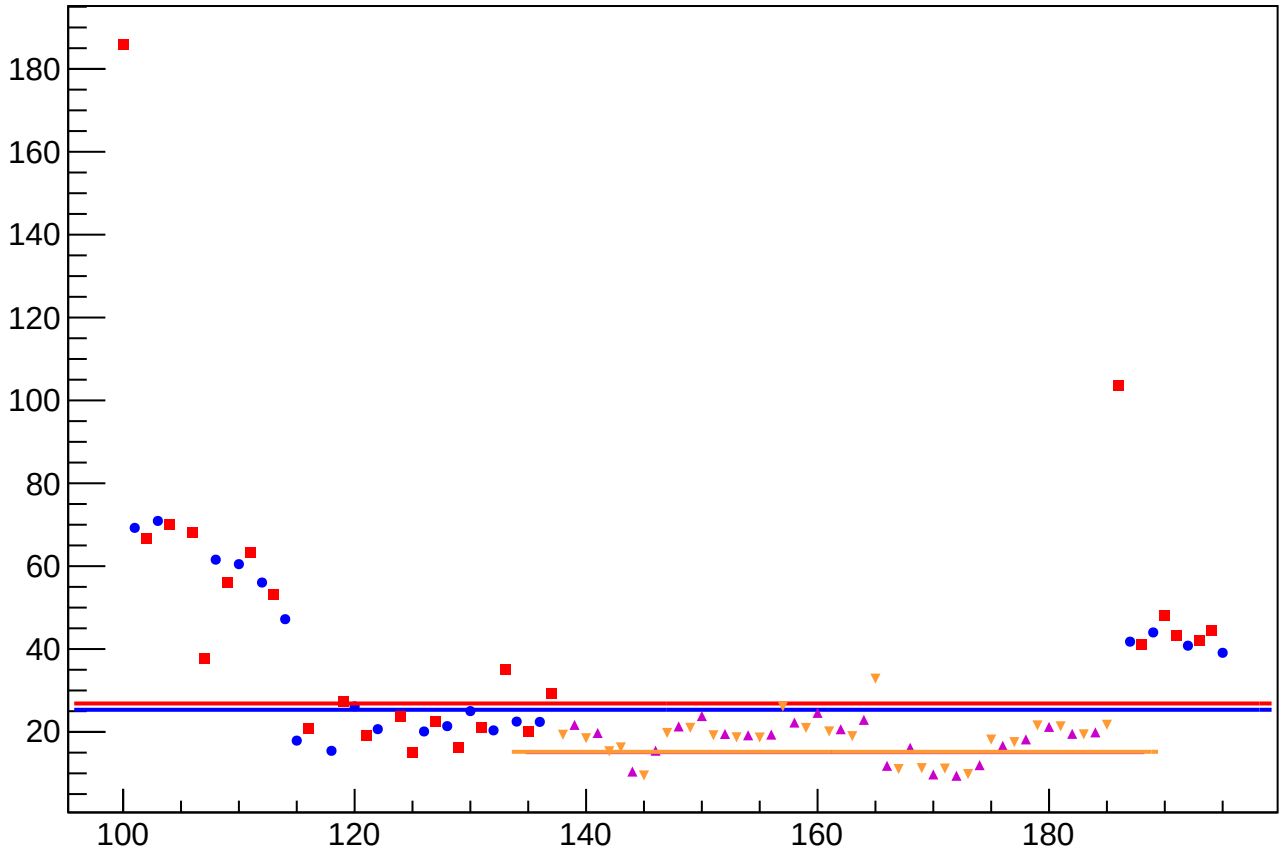
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.006+/-0.007 χ^2/NDF: 48.4/44

In: 0.003+/-0.004 χ^2/NDF:45.9/42

Out: -0.002+/-0.003 χ^2/NDF:52.5/49

All: 0.001+/-0.002 χ^2/NDF: 99.7/92



Right In: 25.341+/-0.007 χ^2/NDF: 3216701.1/19

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 26.861+/-0.007 χ^2/NDF: 4370814.6/24

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

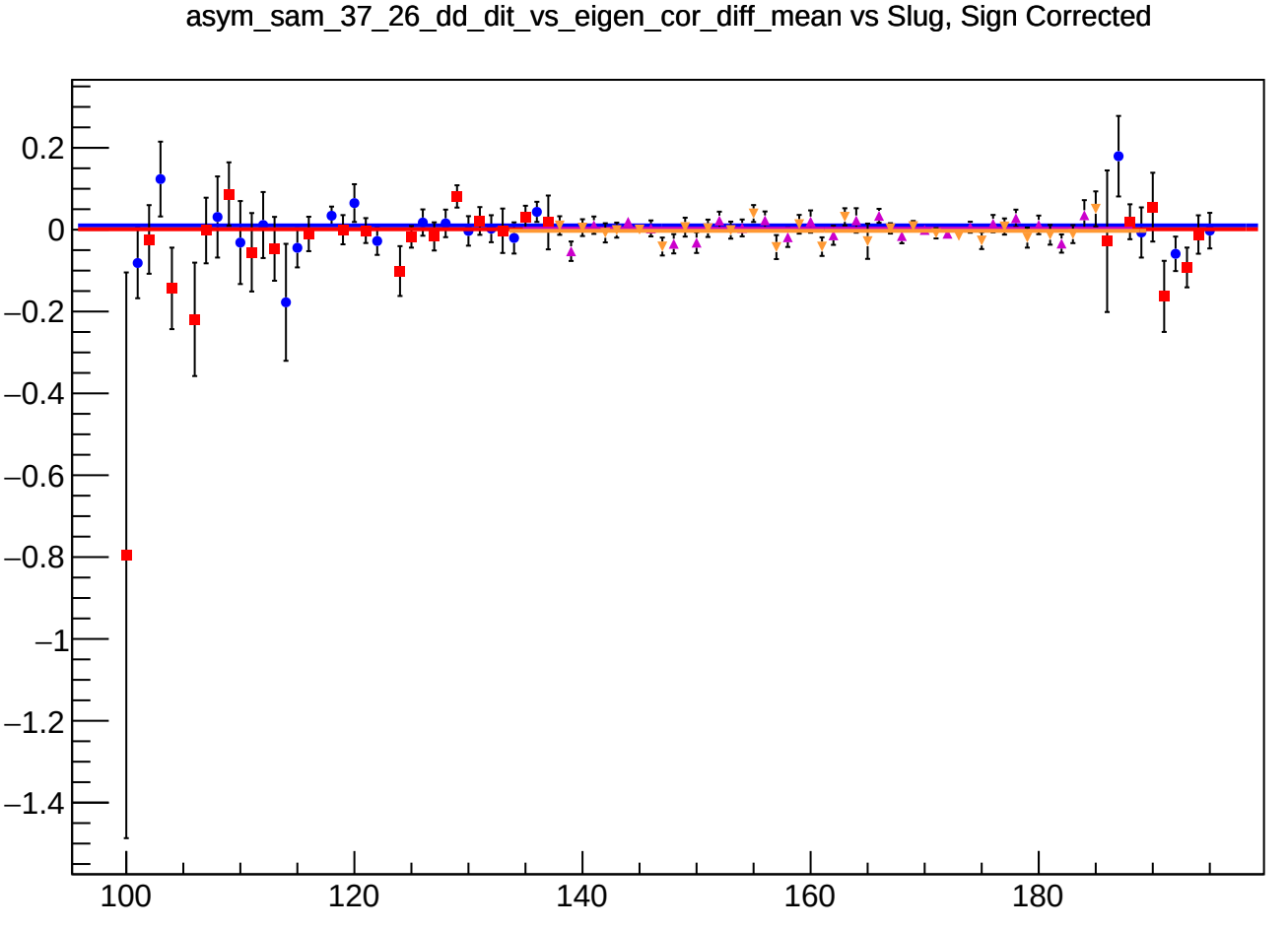
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 26.095+/-0.005 χ^2/NDF: 7614544.9/44

In: 16.619+/-0.002 χ^2/NDF:8719111.5/42

Out: 16.803+/-0.002 χ^2/NDF:10533712.1/49

All: 16.714+/-0.002 χ^2/NDF: 19255609.8/92



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

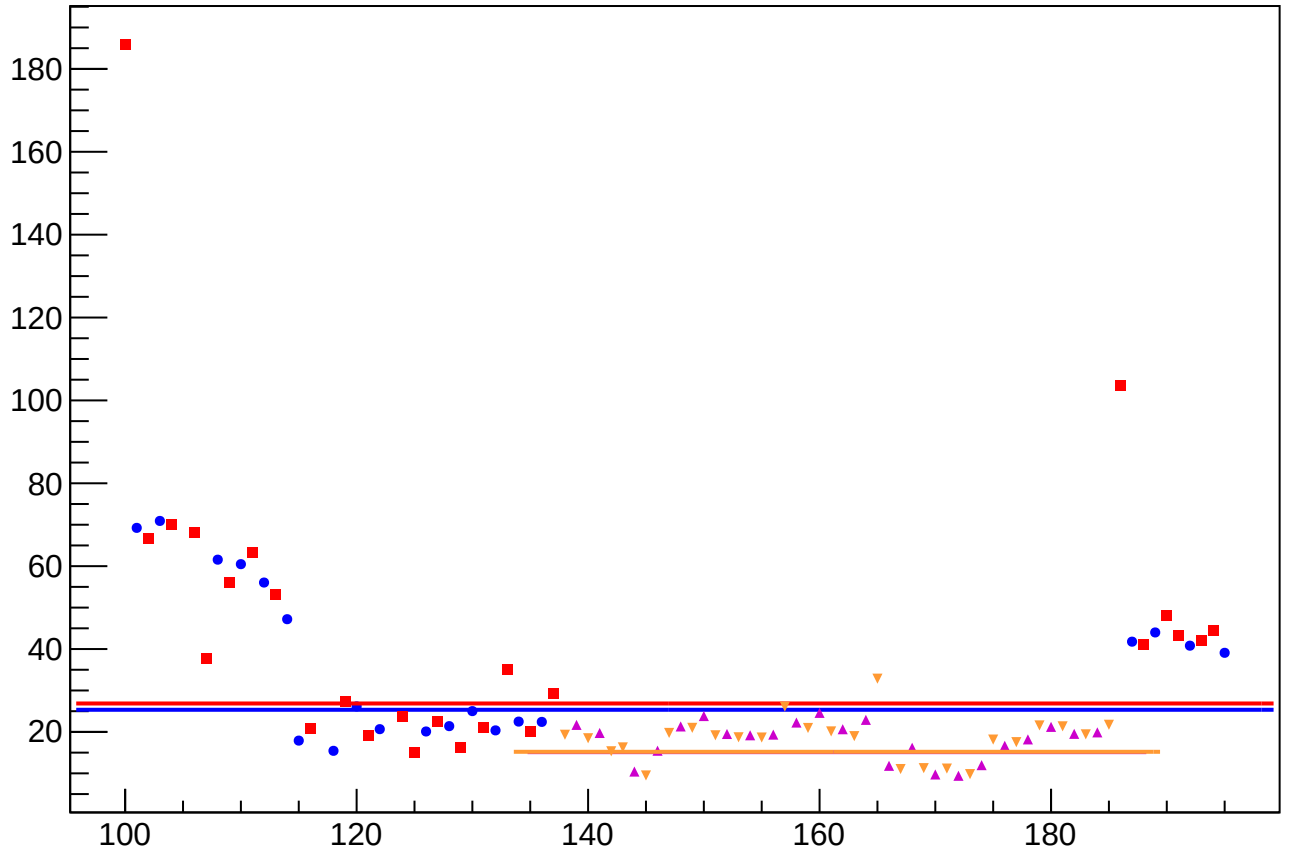
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.006+/-0.007 χ^2/NDF: 48.4/44

In: 0.003+/-0.004 χ^2/NDF:45.9/42

Out: -0.002+/-0.003 χ^2/NDF:52.5/49

All: 0.001+/-0.002 χ^2/NDF: 99.7/92



Right In: 25.341+/-0.007 χ^2/NDF: 3216701.1/19

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 26.861+/-0.007 χ^2/NDF: 4370814.6/24

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

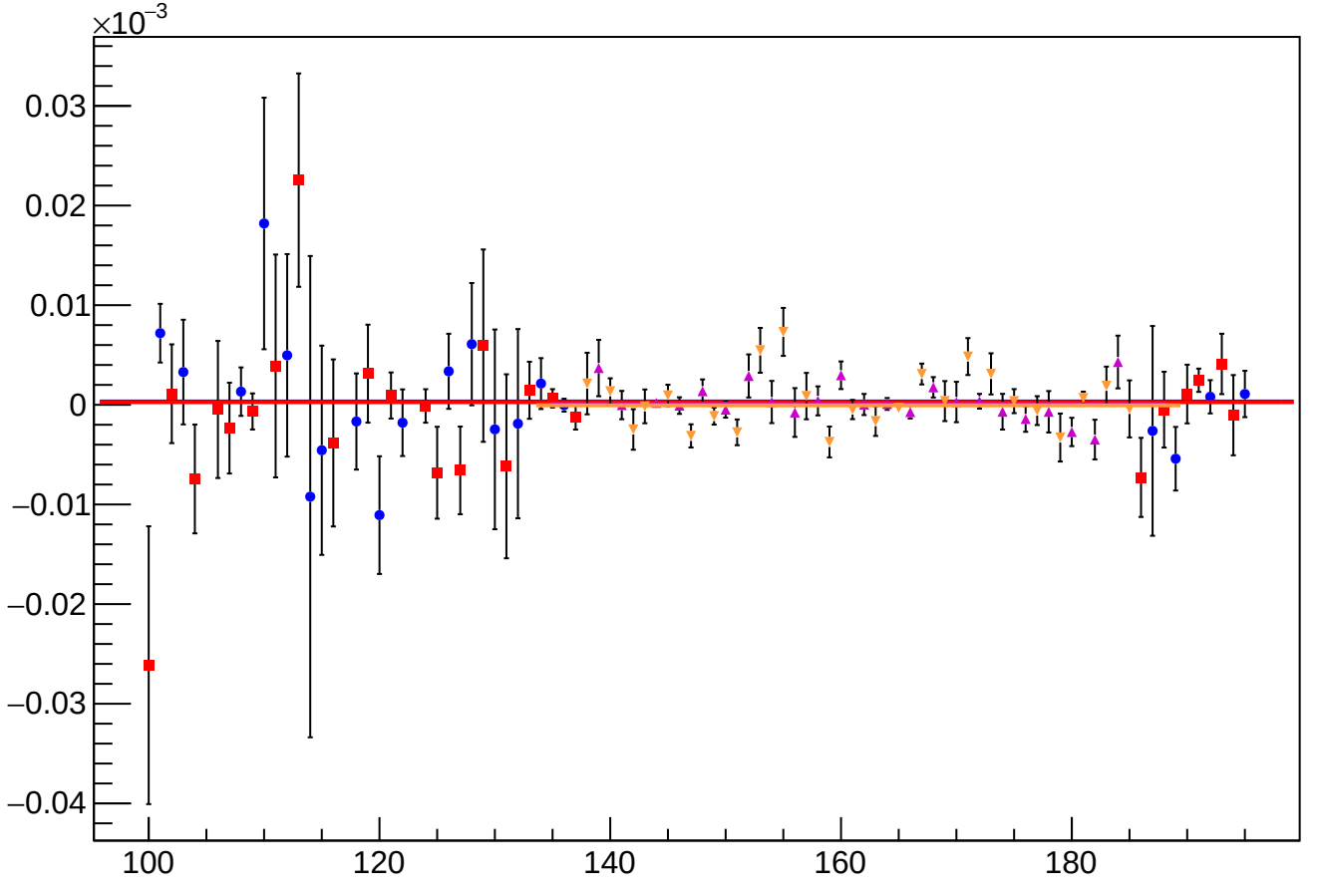
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 26.095+/-0.005 χ^2/NDF: 7614544.9/44

In: 16.619+/-0.002 χ^2/NDF:8719111.5/42

Out: 16.803+/-0.002 χ^2/NDF:10533712.1/49

All: 16.714+/-0.002 χ^2/NDF: 19255609.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/24

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

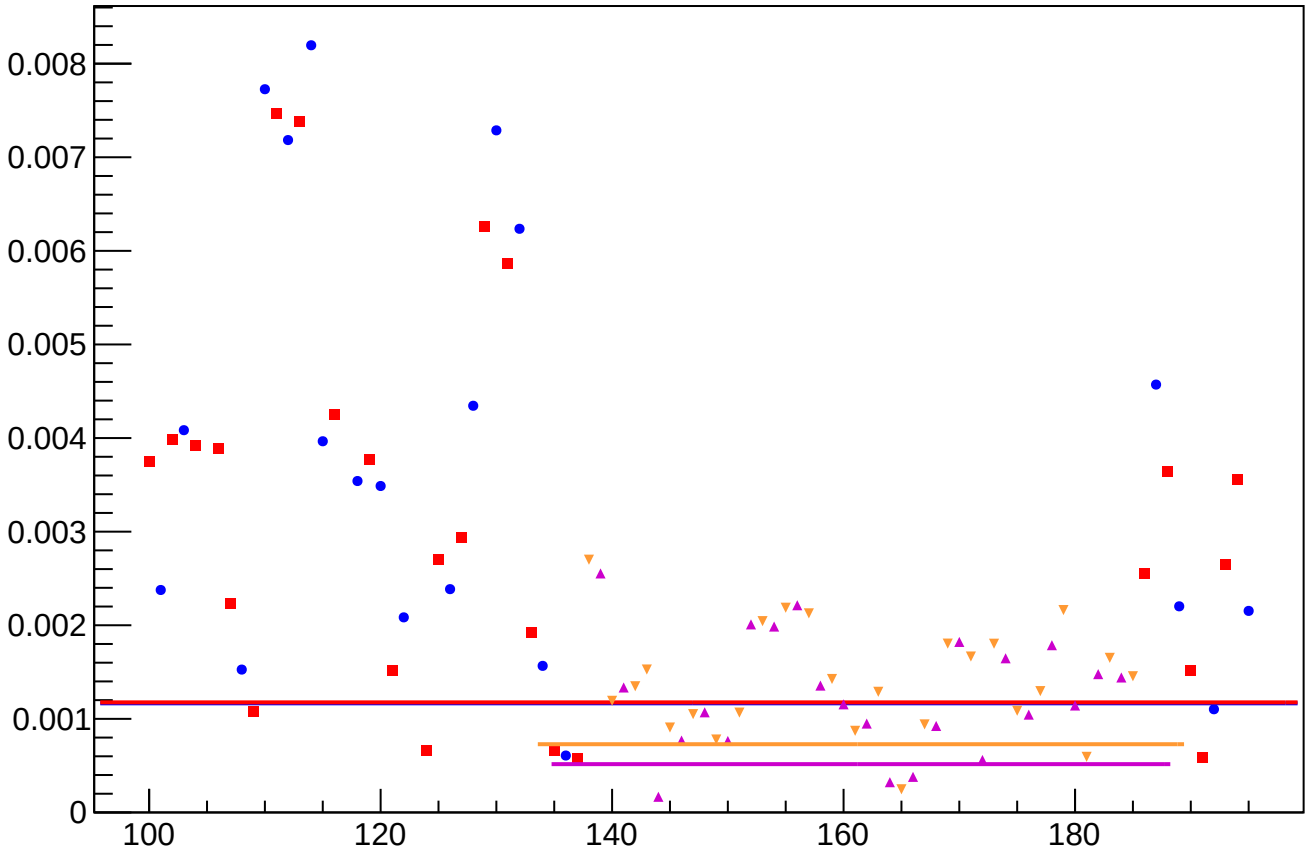
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 46.4/44

In: 0.000+/-0.000 χ^2/NDF:44.4/42

Out: -0.000+/-0.000 χ^2/NDF:90.8/49

All: 0.000+/-0.000 χ^2/NDF: 135.5/92



Right In: 0.001+/-0.000 χ^2/NDF: 7882910.3/19

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9599887.6/24

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

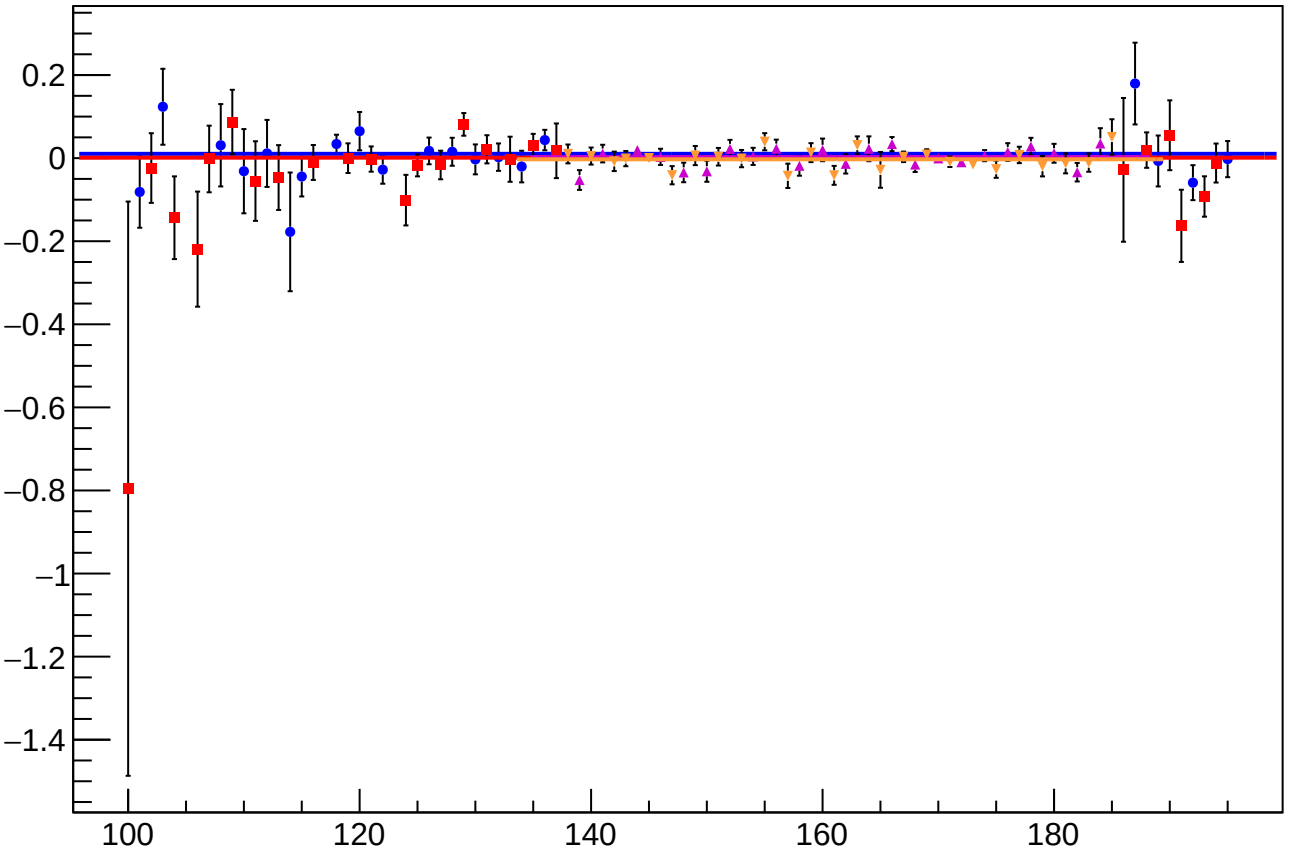
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 17483223.6/44

In: 0.001+/-0.000 χ^2/NDF:25801029.9/42

Out: 0.001+/-0.000 χ^2/NDF:24154945.5/49

All: 0.001+/-0.000 χ^2/NDF: 51388915.9/92



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

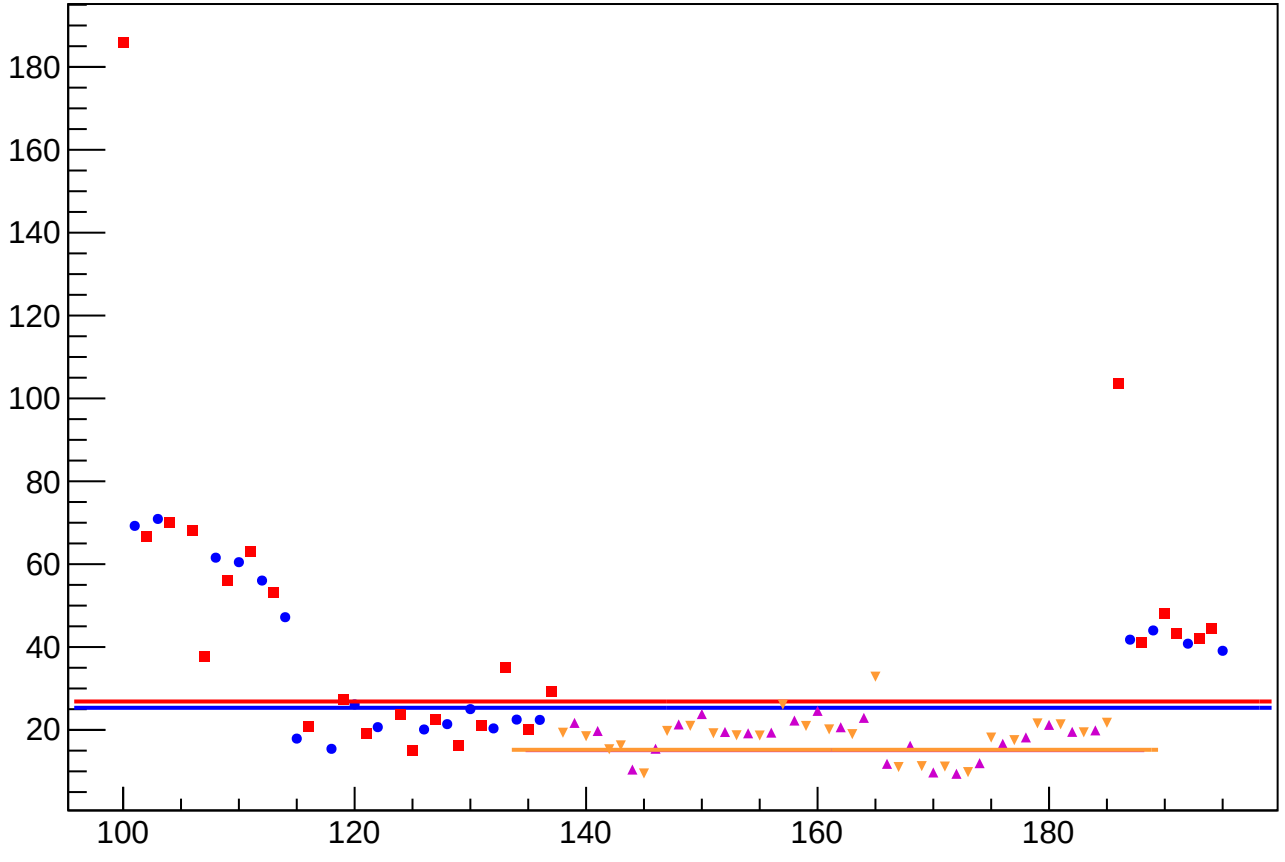
Right: 0.006+/-0.007 χ^2/NDF: 48.4/44

In: 0.003+/-0.004 χ^2/NDF:45.9/42

Out: -0.002+/-0.003 χ^2/NDF:52.5/49

All: 0.001+/-0.002 χ^2/NDF: 99.7/92

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.339+/-0.007 χ^2/NDF: 3216905.6/19

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 26.861+/-0.007 χ^2/NDF: 4370944.0/24

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

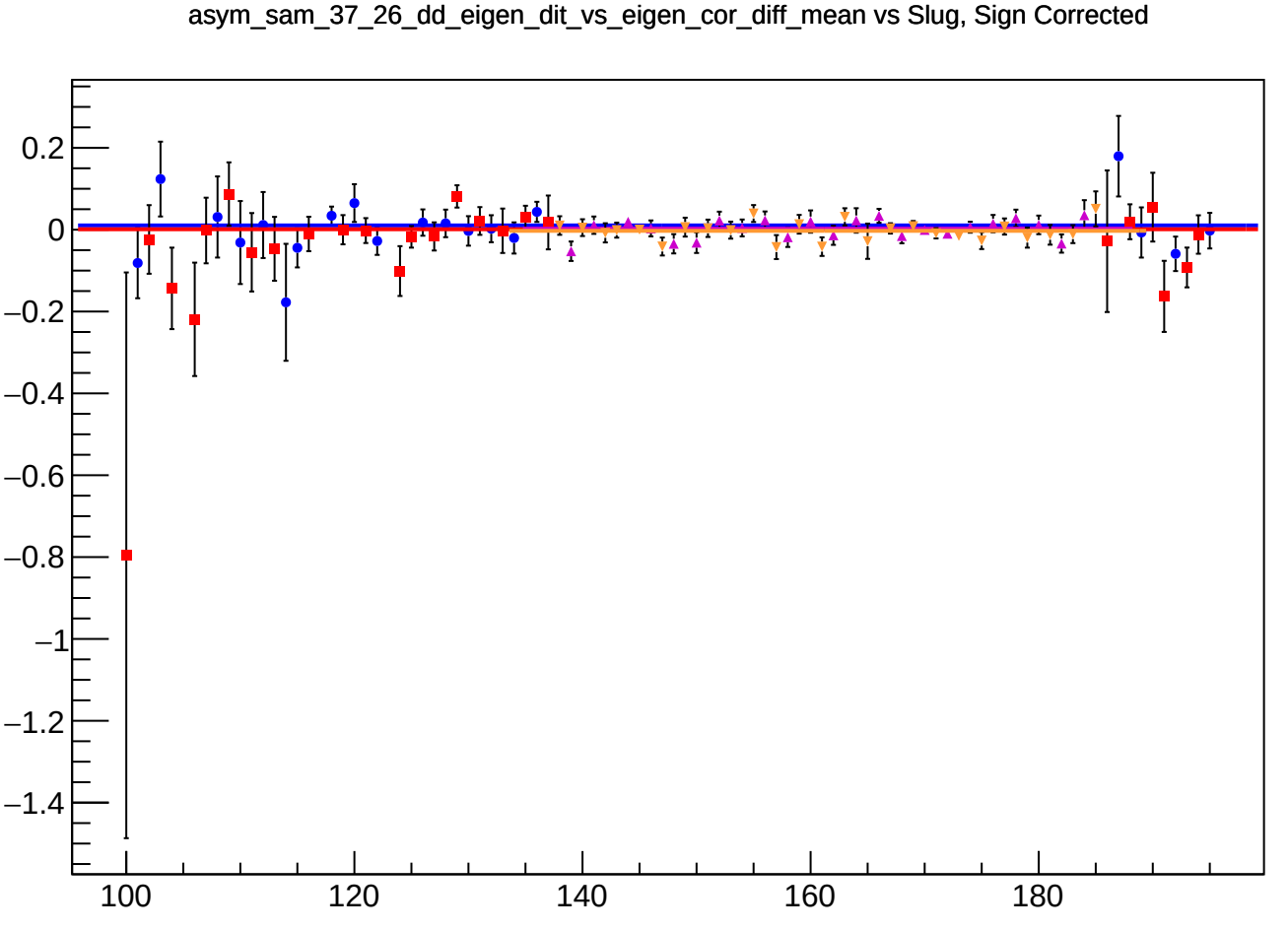
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 26.094+/-0.005 χ^2/NDF: 7614906.5/44

In: 16.619+/-0.002 χ^2/NDF:8718917.8/42

Out: 16.803+/-0.002 χ^2/NDF:10533724.5/49

All: 16.714+/-0.002 χ^2/NDF: 19255428.7/92



Right In: 0.010+/-0.009 χ^2/NDF: 18.3/19

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

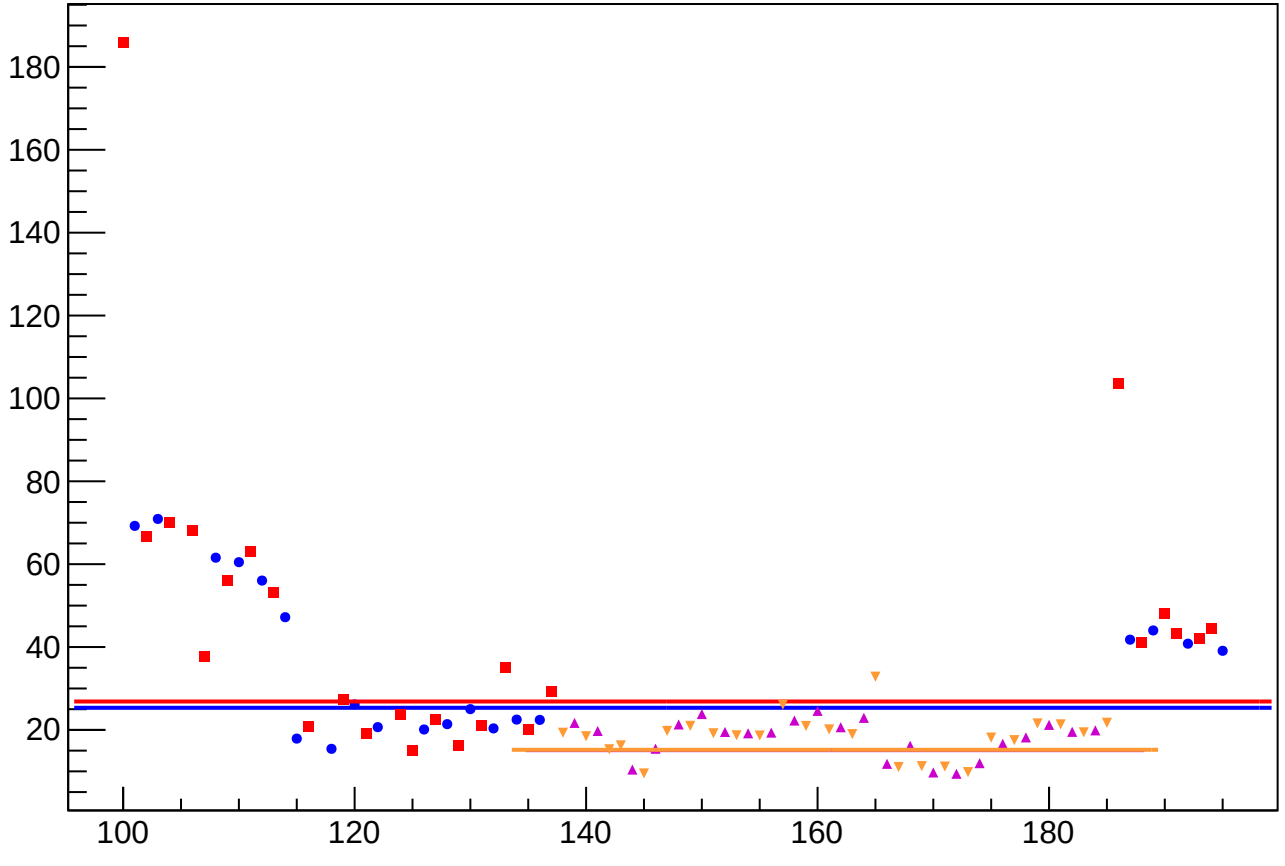
Right: 0.006+/-0.007 χ^2/NDF: 48.4/44

In: 0.003+/-0.004 χ^2/NDF:45.9/42

Out: -0.002+/-0.003 χ^2/NDF:52.5/49

All: 0.001+/-0.002 χ^2/NDF: 99.7/92

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.339+/-0.007 χ^2/NDF: 3216905.6/19

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 26.861+/-0.007 χ^2/NDF: 4370944.0/24

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

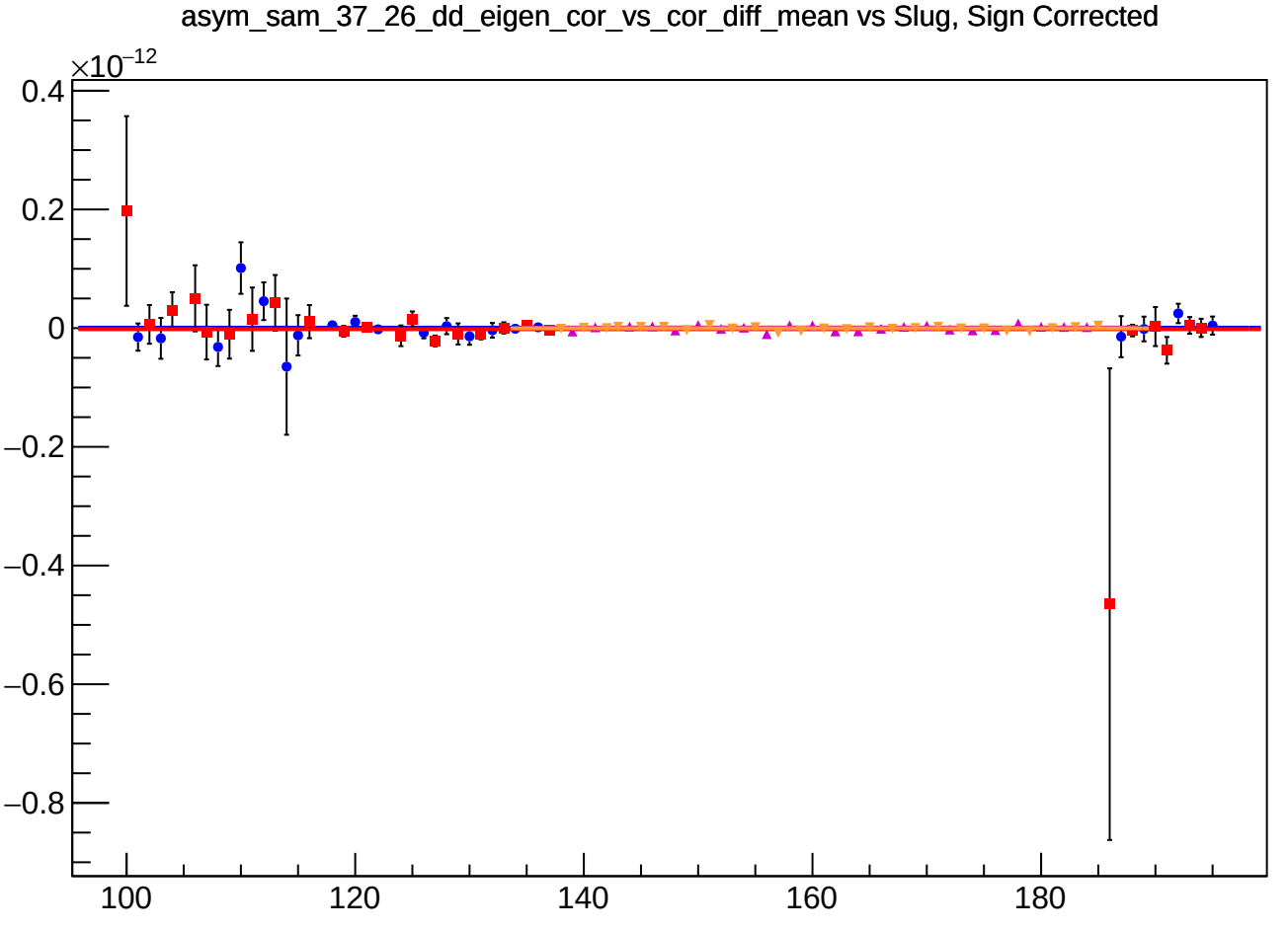
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 26.094+/-0.005 χ^2/NDF: 7614906.5/44

In: 16.619+/-0.002 χ^2/NDF:8718917.8/42

Out: 16.803+/-0.002 χ^2/NDF:10533724.5/49

All: 16.714+/-0.002 χ^2/NDF: 19255428.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/19

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/24

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

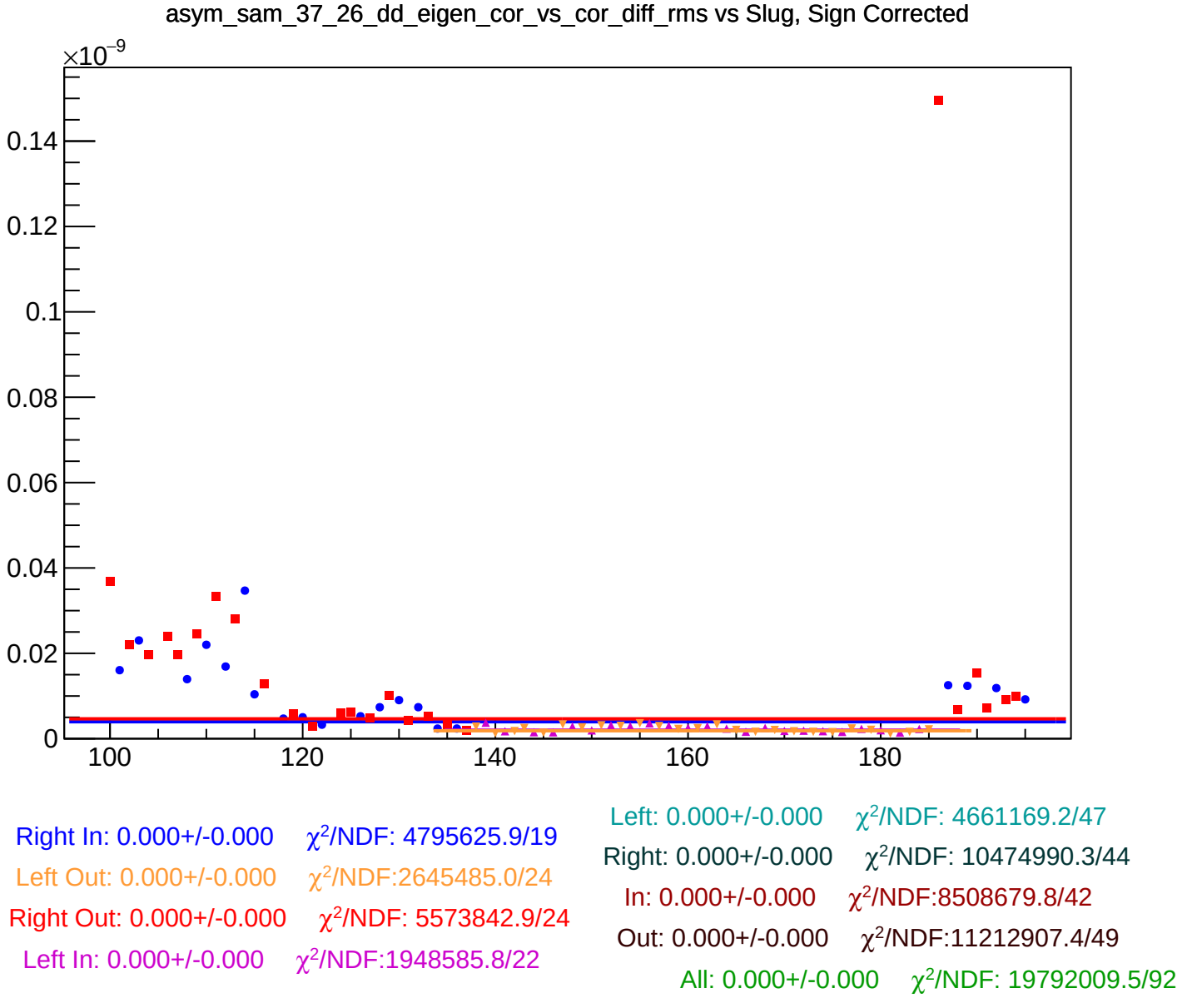
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

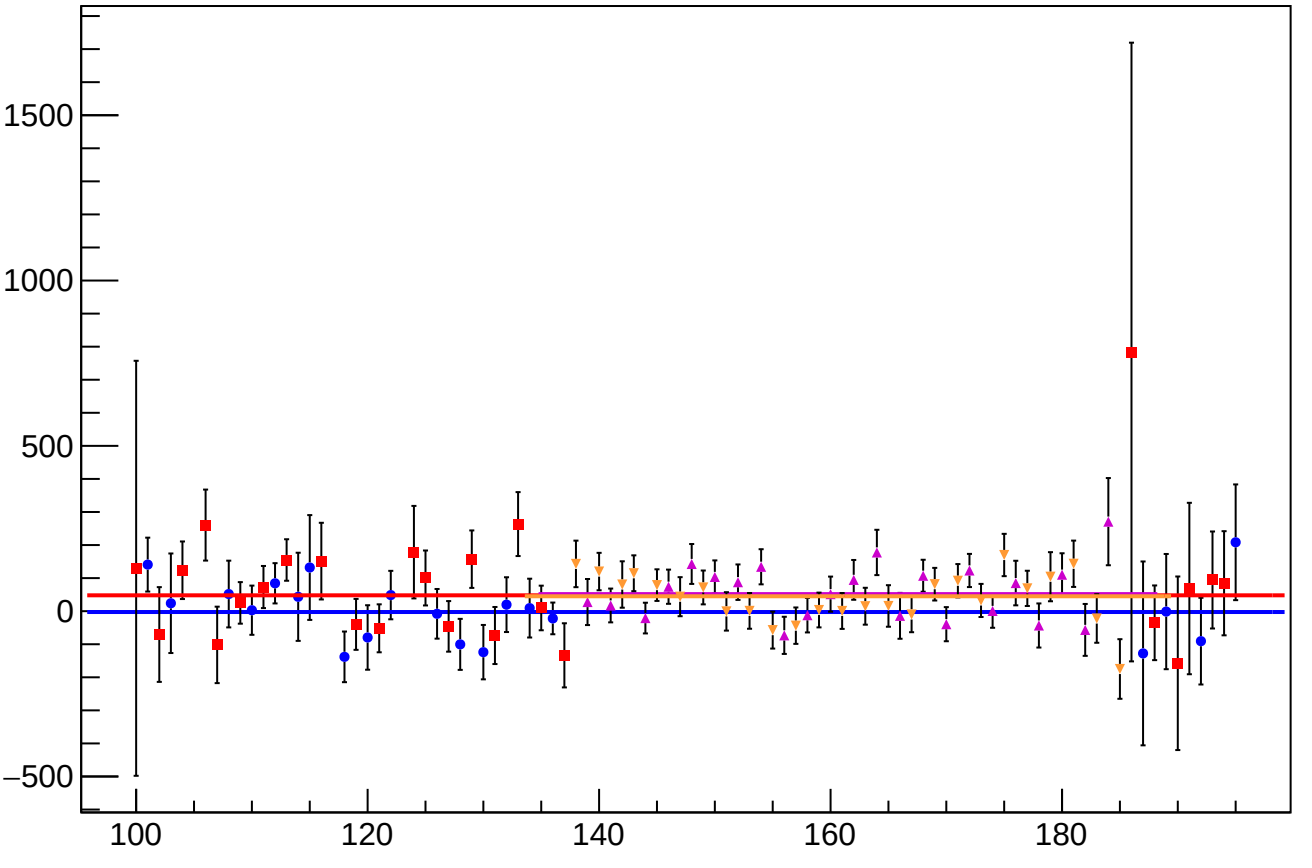
Right: -0.000+/-0.000 χ^2/NDF: 35.9/44

In: 0.000+/-0.000 χ^2/NDF:54.9/42

Out: -0.000+/-0.000 χ^2/NDF:41.6/49

All: 0.000+/-0.000 χ^2/NDF: 98.8/92


asym_sam_37_26_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
Right In: 0.000+/-0.000 χ²/NDF: 4795625.9/19
Left Out: 0.000+/-0.000 χ²/NDF:2645485.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 5573842.9/24
Left In: 0.000+/-0.000 χ²/NDF:1948585.8/22
Left: 0.000+/-0.000 χ²/NDF: 4661169.2/47
Right: 0.000+/-0.000 χ²/NDF: 10474990.3/44
In: 0.000+/-0.000 χ²/NDF:8508679.8/42
Out: 0.000+/-0.000 χ²/NDF:11212907.4/49
All: 0.000+/-0.000 χ²/NDF: 19792009.5/92



Right In: -2.541+/-19.470 χ^2/NDF: 16.7/19

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.988+/-18.921 χ^2/NDF: 31.3/24

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

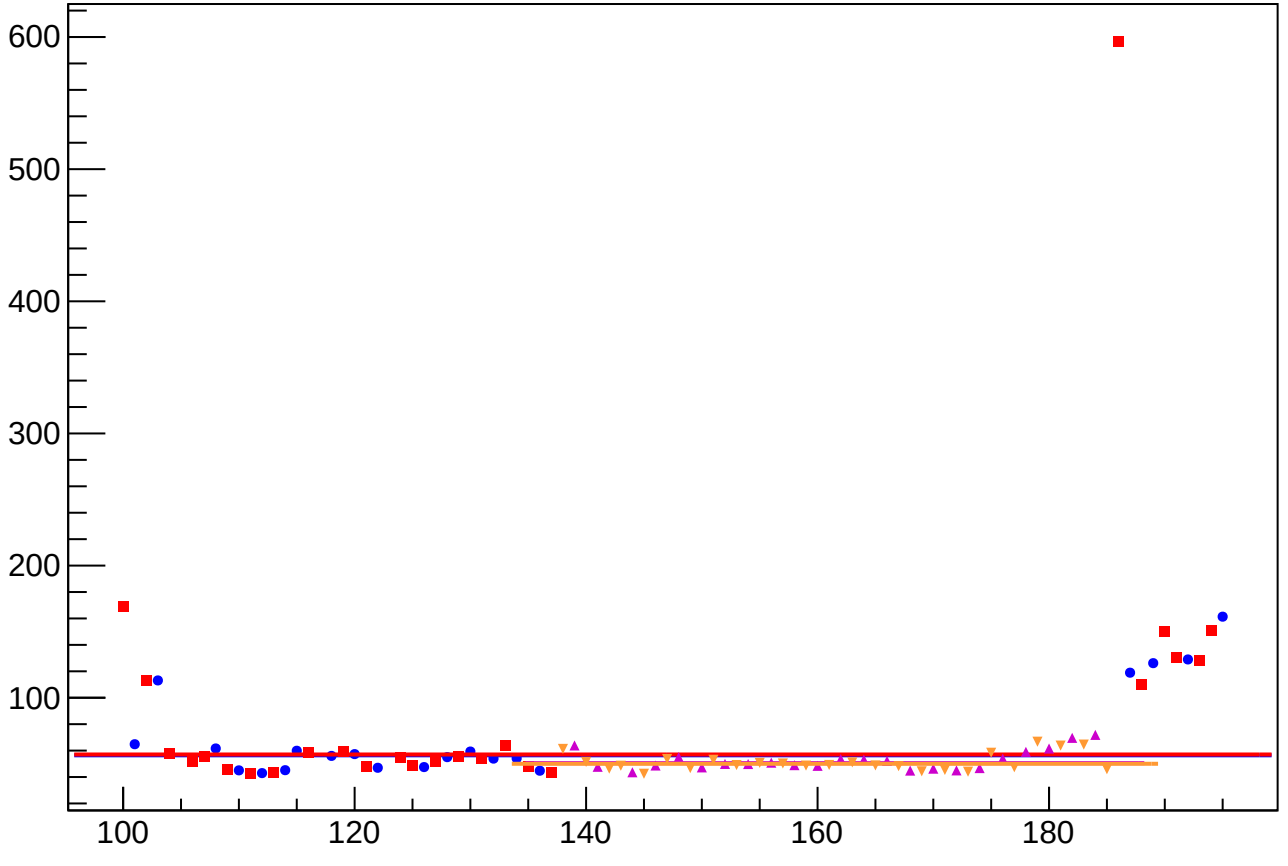
Right: 23.445+/-13.569 χ^2/NDF: 51.5/44

In: 36.835+/-10.171 χ^2/NDF:58.2/42

Out: 45.873+/-9.824 χ^2/NDF:62.7/49

All: 41.511+/-7.066 χ^2/NDF: 121.2/92

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 56.427+/-0.014 χ^2/NDF: 2408074.2/19

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 57.050+/-0.013 χ^2/NDF: 3488344.3/24

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

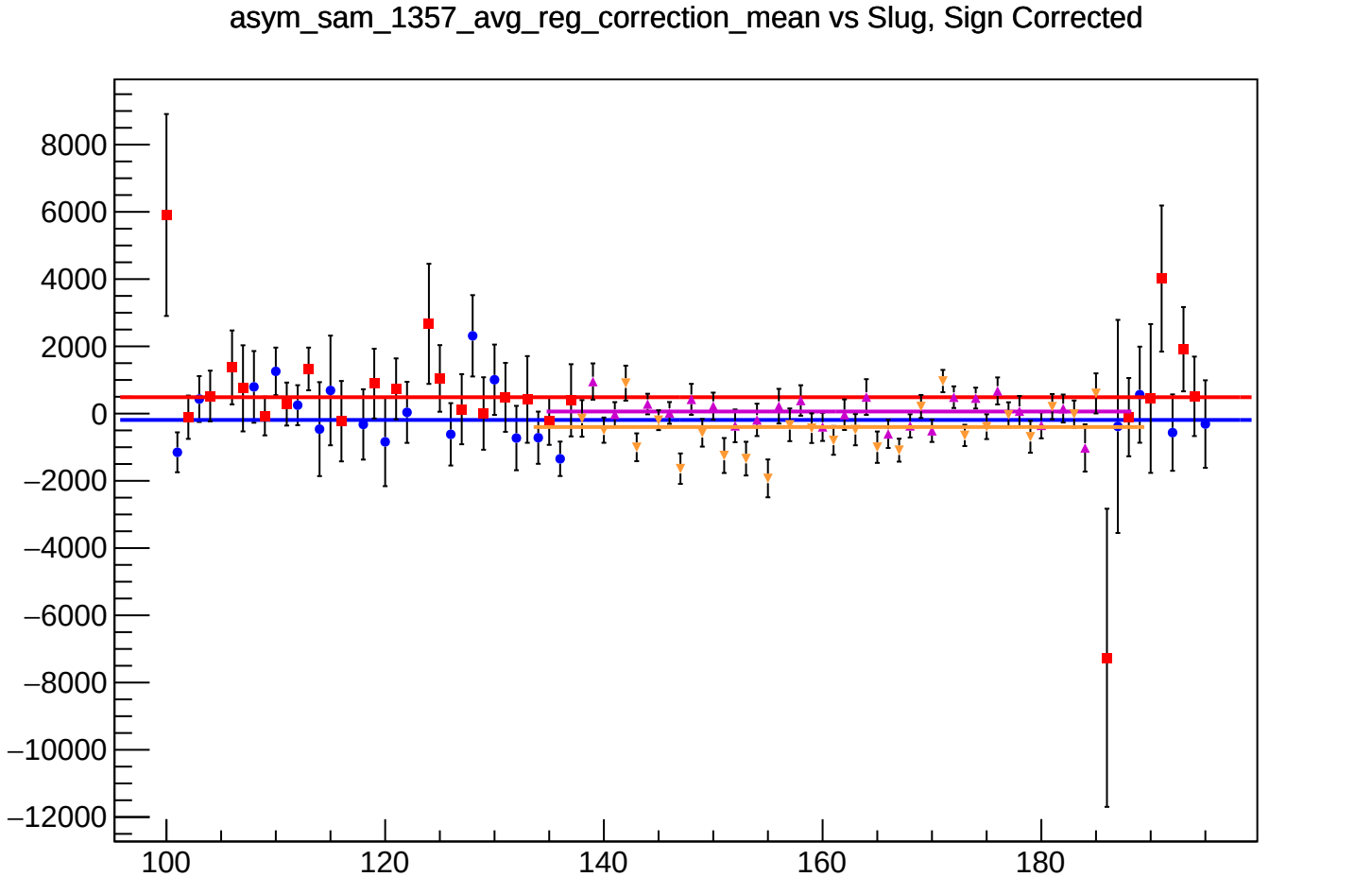
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 56.747+/-0.010 χ^2/NDF: 5897473.4/44

In: 52.126+/-0.007 χ^2/NDF:3045680.1/42

Out: 51.916+/-0.007 χ^2/NDF:4199055.7/49

All: 52.017+/-0.005 χ^2/NDF: 7245179.0/92



Right In: -189.193+/-197.786 χ^2/NDF: 21.8/19

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 487.314+/-193.870 χ^2/NDF: 18.6/24

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

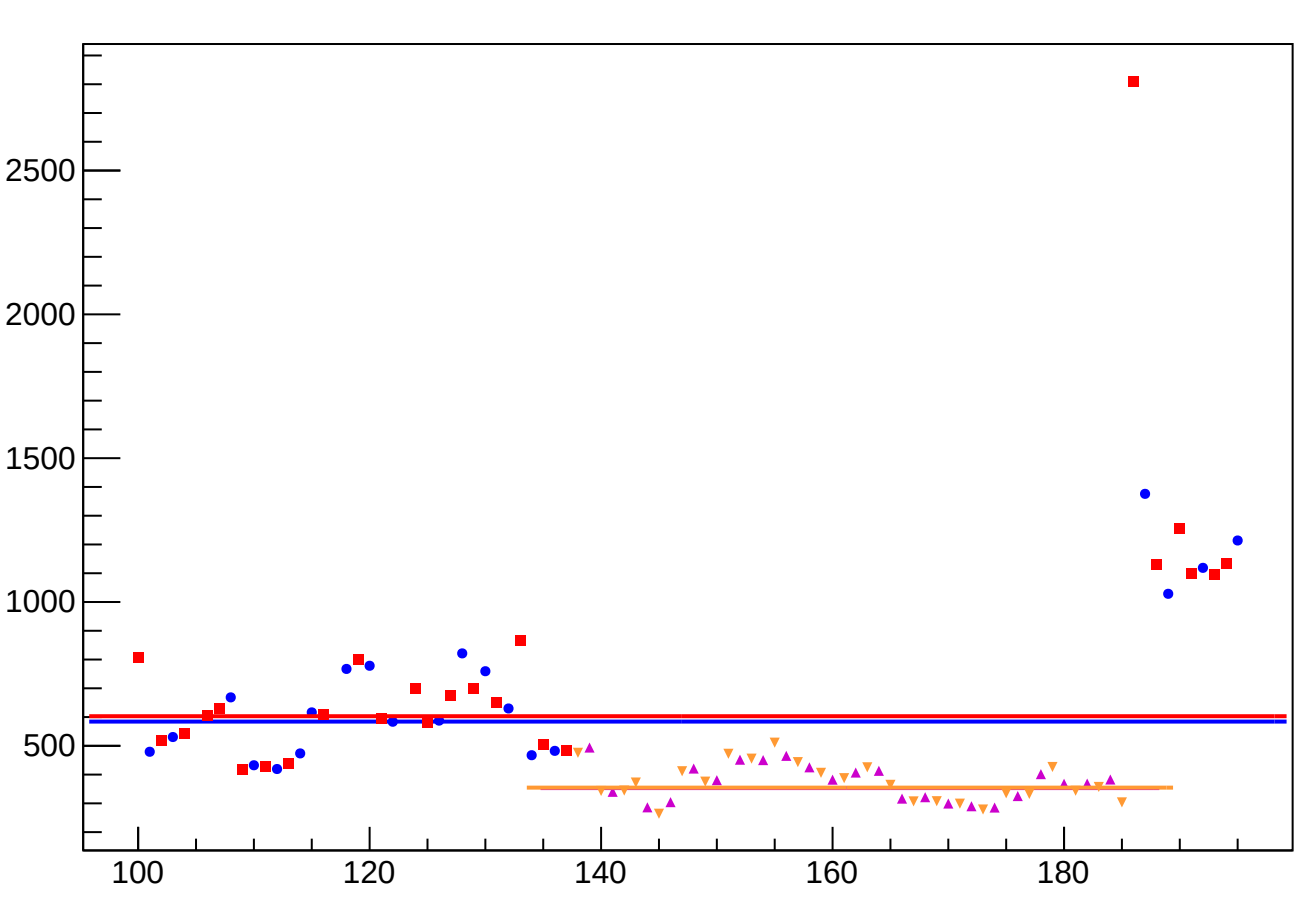
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 155.823+/-138.451 χ^2/NDF: 46.3/44

In: 23.731+/-77.232 χ^2/NDF:47.0/42

Out: -264.633+/-75.572 χ^2/NDF:101.7/49

All: -123.583+/-54.015 χ^2/NDF: 155.9/92



Right In: 584.307+/-0.140 χ^2/NDF: 1941932.1/19

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 602.952+/-0.137 χ^2/NDF: 2710389.9/24

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

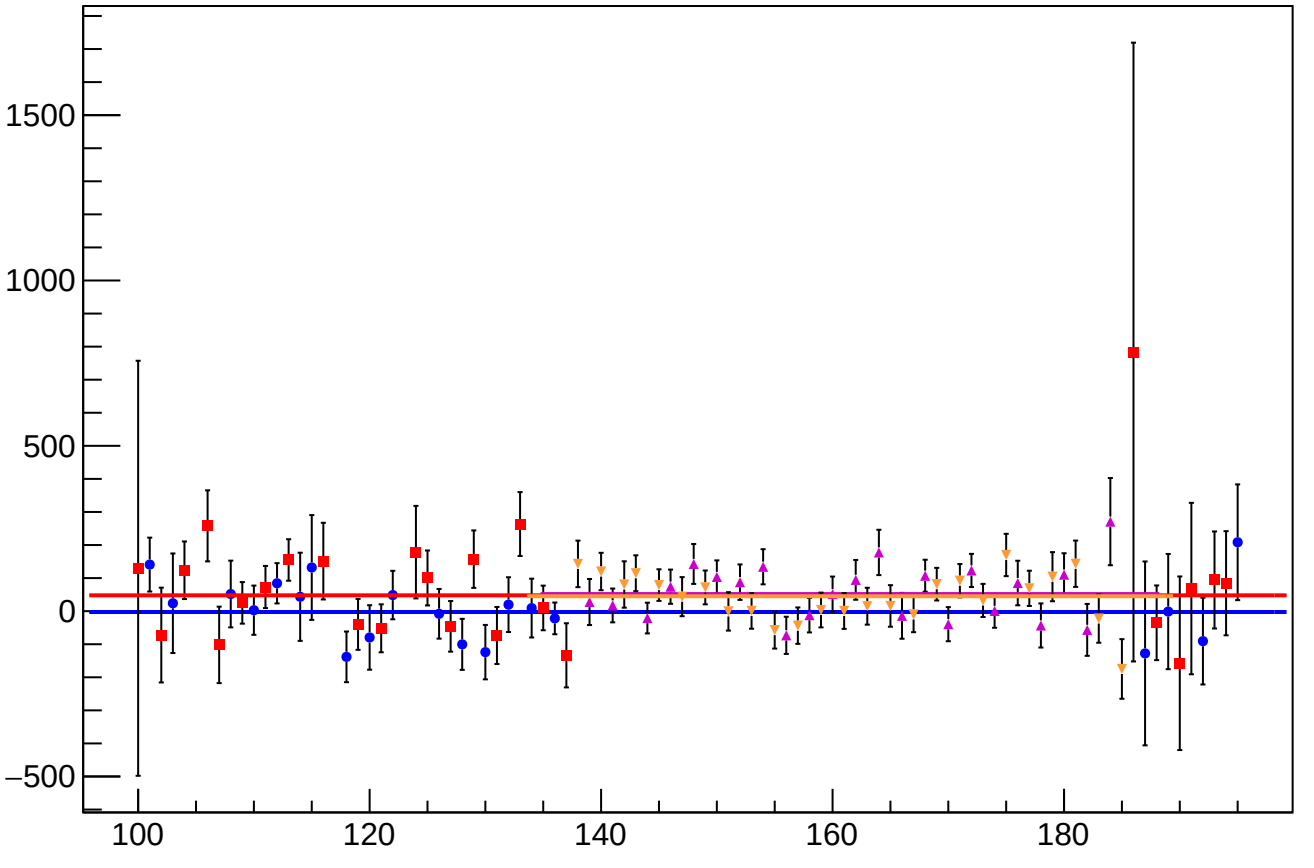
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 593.816+/-0.098 χ^2/NDF: 4661386.5/44

In: 388.362+/-0.055 χ^2/NDF:5262154.9/42

Out: 392.396+/-0.053 χ^2/NDF:6637626.7/49

All: 390.423+/-0.038 χ^2/NDF: 11902569.3/92



Right In: -2.545+/-19.470 χ^2/NDF: 16.7/19

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.879+/-18.922 χ^2/NDF: 31.2/24

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

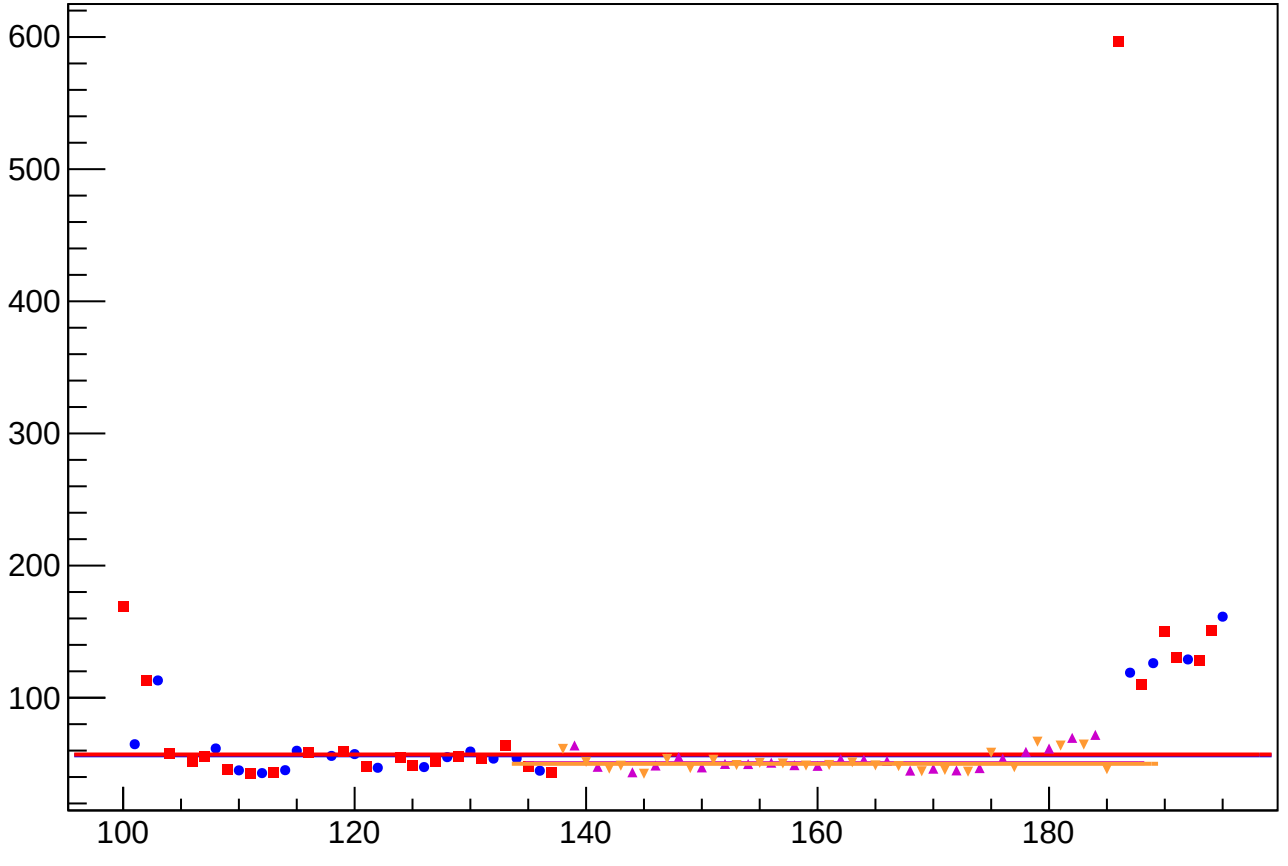
Right: 23.386+/-13.569 χ^2/NDF: 51.4/44

In: 36.834+/-10.171 χ^2/NDF:58.2/42

Out: 45.846+/-9.824 χ^2/NDF:62.6/49

All: 41.497+/-7.066 χ^2/NDF: 121.2/92

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 56.427+/-0.014 χ^2/NDF: 2408076.5/19

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 57.041+/-0.013 χ^2/NDF: 3489144.8/24

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

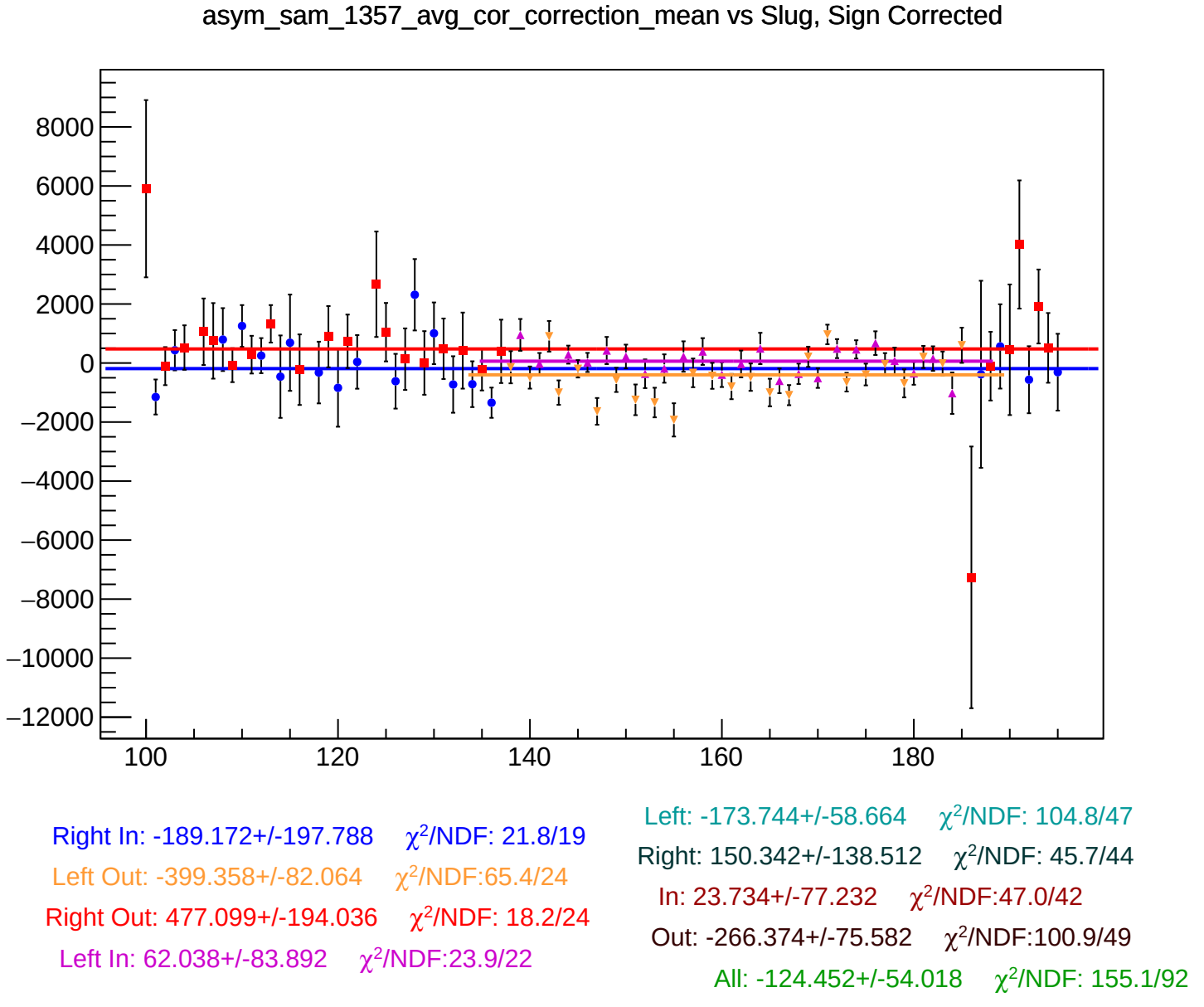
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

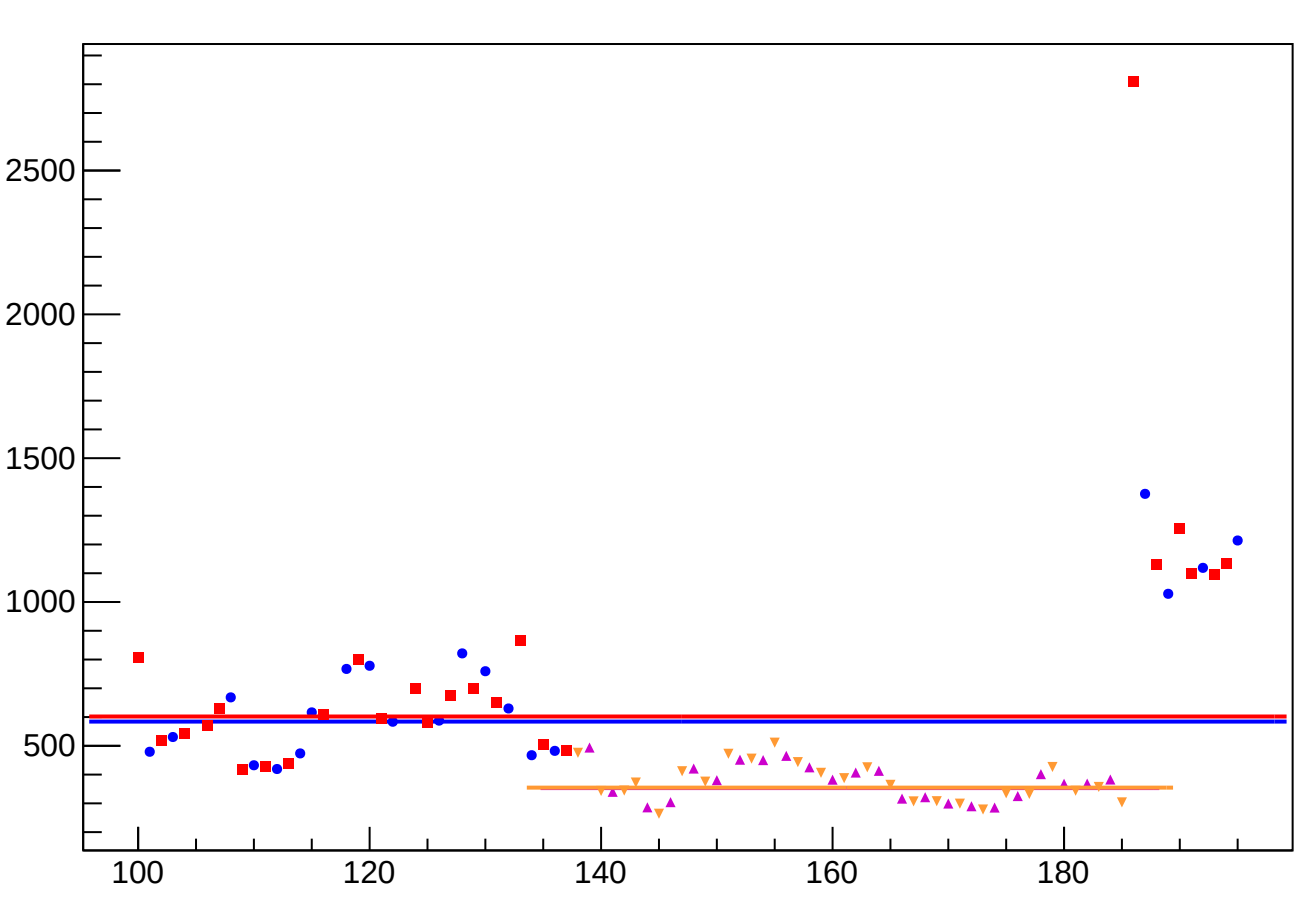
Right: 56.743+/-0.010 χ^2/NDF: 5898245.0/44

In: 52.126+/-0.007 χ^2/NDF:3045682.4/42

Out: 51.913+/-0.007 χ^2/NDF:4199315.1/49

All: 52.016+/-0.005 χ^2/NDF: 7245451.6/92


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
Right In: -189.172+/-197.788 χ²/NDF: 21.8/19
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 477.099+/-194.036 χ²/NDF: 18.2/24
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 150.342+/-138.512 χ²/NDF: 45.7/44
In: 23.734+/-77.232 χ²/NDF:47.0/42
Out: -266.374+/-75.582 χ²/NDF:100.9/49
All: -124.452+/-54.018 χ²/NDF: 155.1/92



Right In: 584.313+/-0.140 χ^2/NDF: 1941904.0/19

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 601.955+/-0.137 χ^2/NDF: 2711501.8/24

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

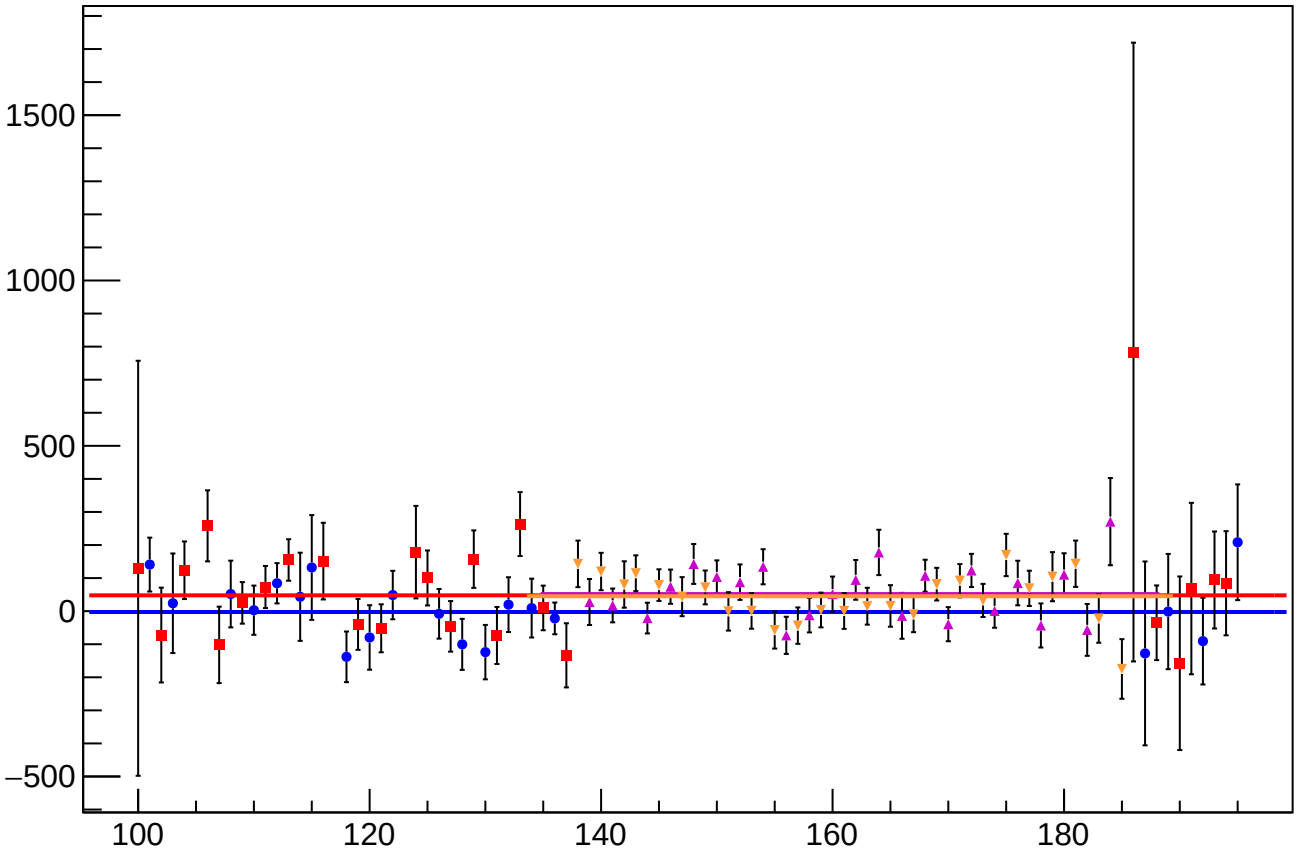
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 593.303+/-0.098 χ^2/NDF: 4661514.6/44

In: 388.363+/-0.055 χ^2/NDF:5262205.7/42

Out: 392.190+/-0.053 χ^2/NDF:6612447.2/49

All: 390.318+/-0.038 χ^2/NDF: 11877162.2/92



Right In: -2.545+/-19.470 χ^2/NDF: 16.7/19

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.879+/-18.922 χ^2/NDF: 31.2/24

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

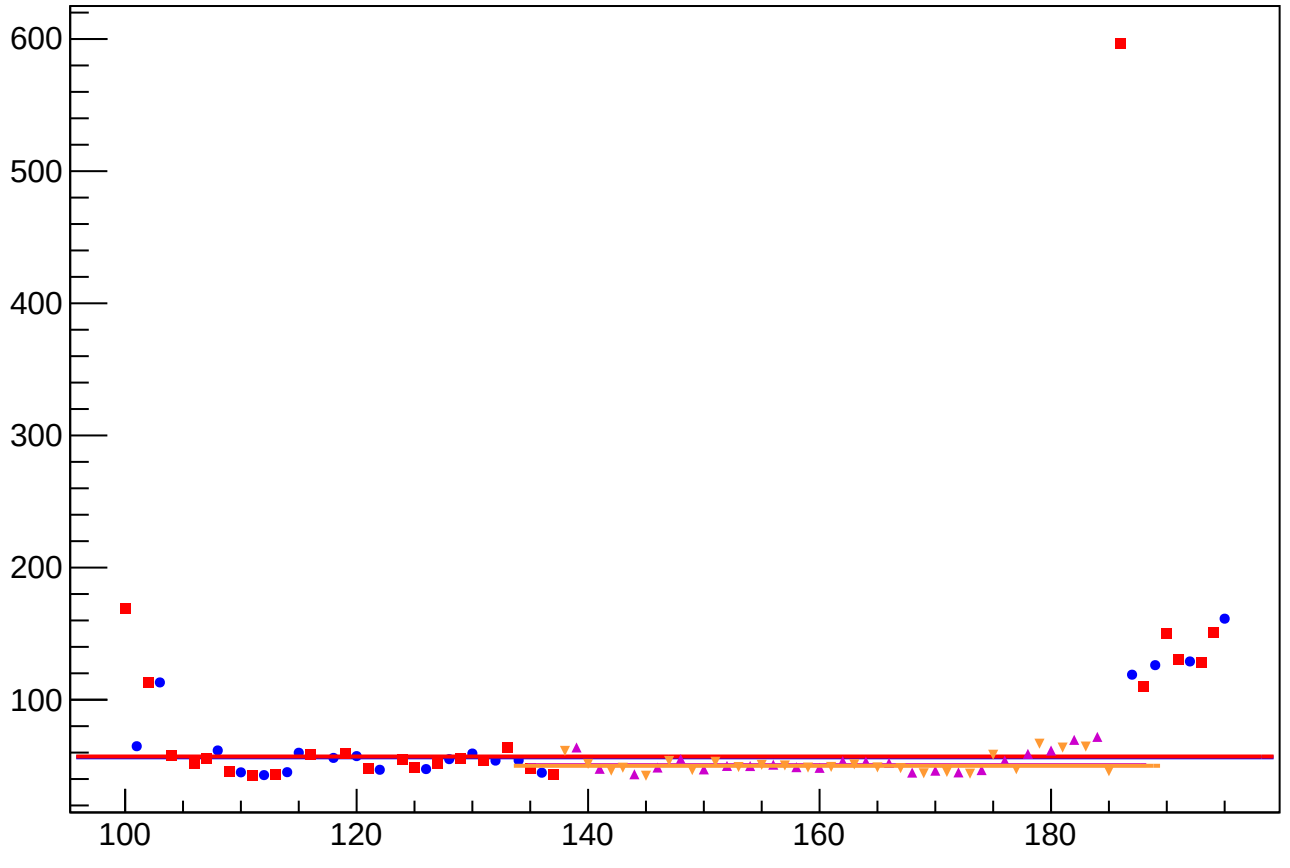
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 23.386+/-13.569 χ^2/NDF: 51.4/44

In: 36.834+/-10.171 χ^2/NDF:58.2/42

Out: 45.846+/-9.824 χ^2/NDF:62.6/49

All: 41.497+/-7.066 χ^2/NDF: 121.2/92



Right In: 56.427+/-0.014 χ^2/NDF: 2408076.5/19

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 57.041+/-0.013 χ^2/NDF: 3489144.8/24

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

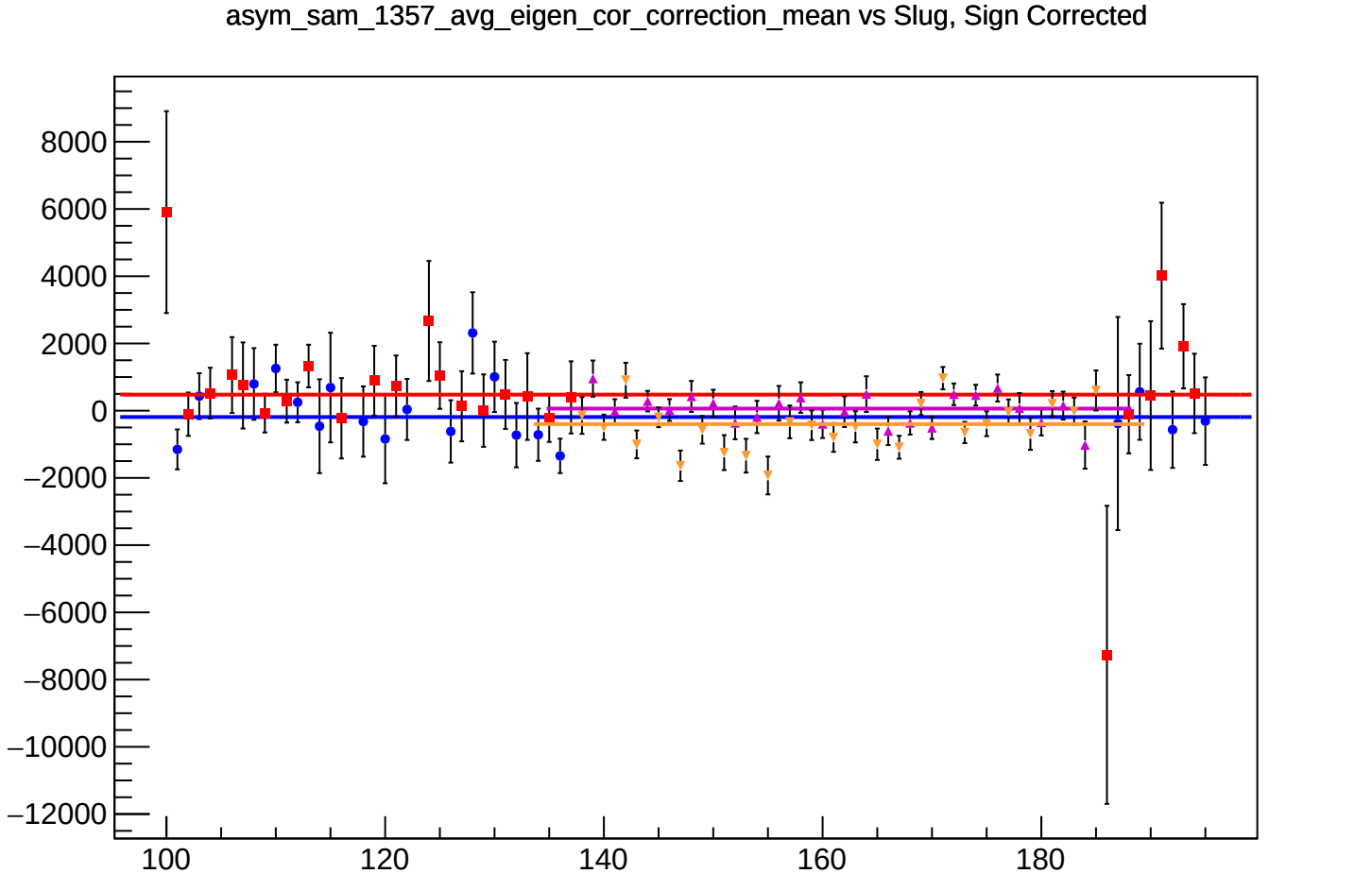
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 56.743+/-0.010 χ^2/NDF: 5898245.0/44

In: 52.126+/-0.007 χ^2/NDF:3045682.4/42

Out: 51.913+/-0.007 χ^2/NDF:4199315.1/49

All: 52.016+/-0.005 χ^2/NDF: 7245451.6/92



Right In: -189.172+/-197.788 χ^2/NDF: 21.8/19

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 477.099+/-194.036 χ^2/NDF: 18.2/24

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

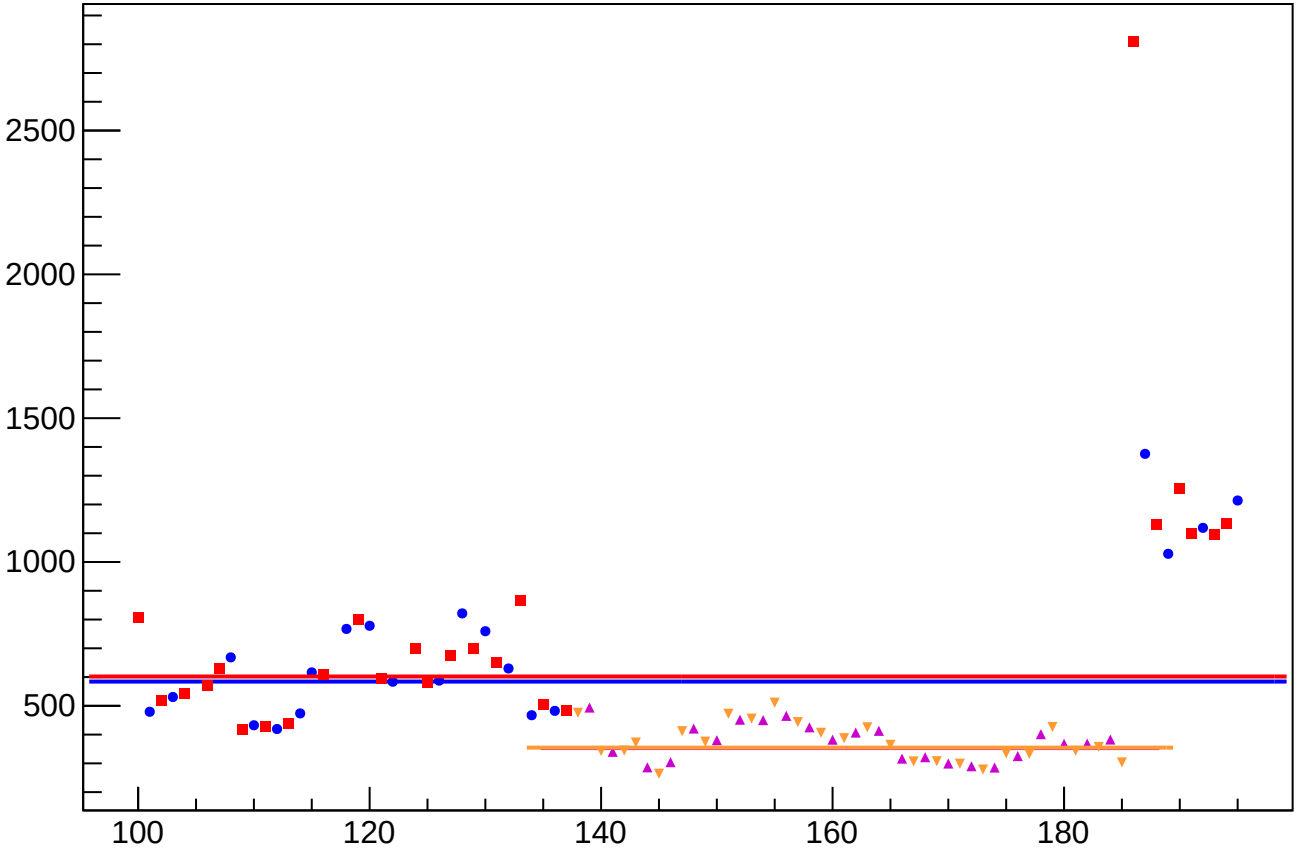
Right: 150.342+/-138.512 χ^2/NDF: 45.7/44

In: 23.734+/-77.232 χ^2/NDF:47.0/42

Out: -266.374+/-75.582 χ^2/NDF:100.9/49

All: -124.452+/-54.018 χ^2/NDF: 155.1/92

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 584.313+/-0.140 χ^2/NDF: 1941904.0/19

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 601.955+/-0.137 χ^2/NDF: 2711501.8/24

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

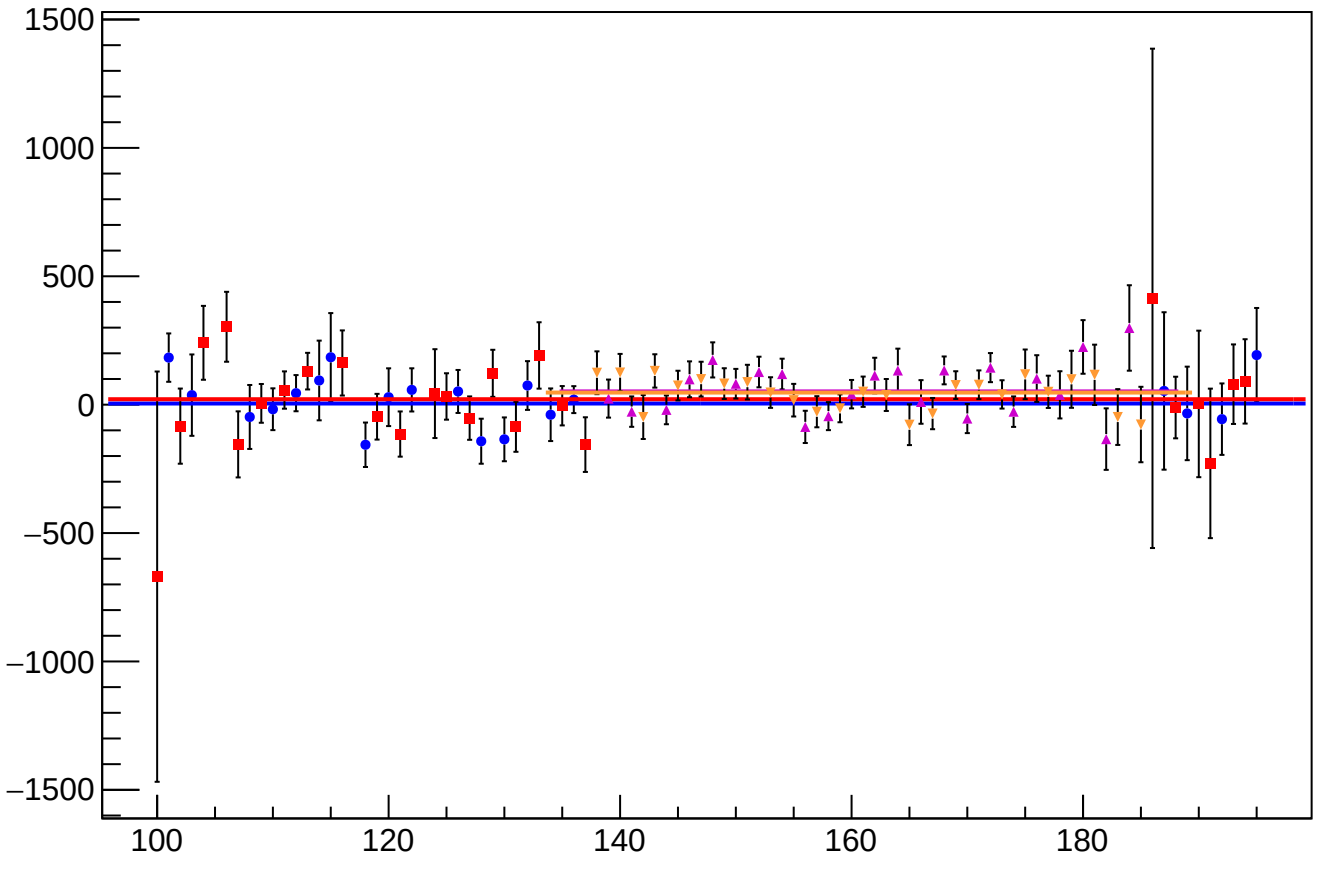
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 593.303+/-0.098 χ^2/NDF: 4661514.6/44

In: 388.363+/-0.055 χ^2/NDF:5262205.7/42

Out: 392.190+/-0.053 χ^2/NDF:6612447.2/49

All: 390.318+/-0.038 χ^2/NDF: 11877162.2/92



Right In: 4.517+/-21.816 χ^2/NDF: 17.5/19

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 21.254+/-21.809 χ^2/NDF: 25.7/24

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

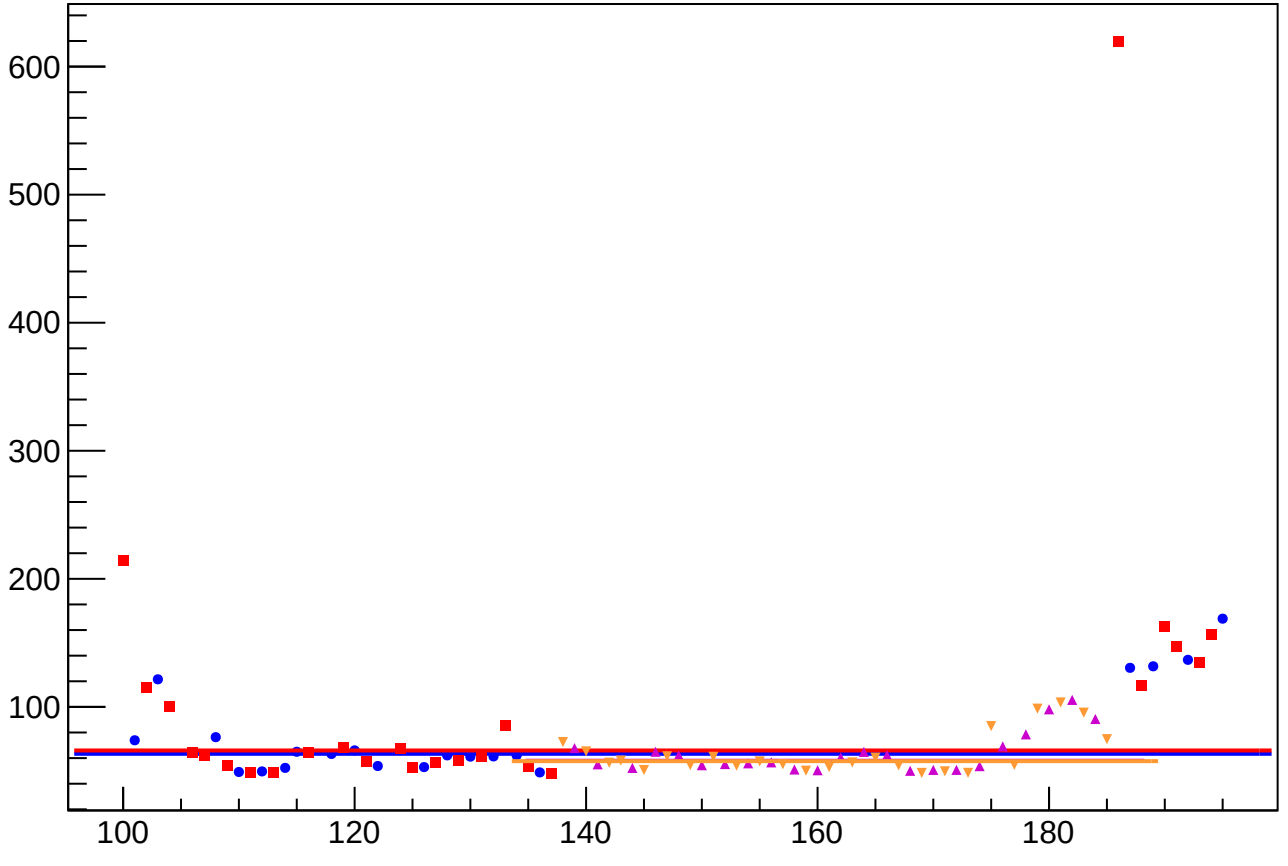
Right: 12.888+/-15.424 χ^2/NDF: 43.5/44

In: 37.995+/-11.743 χ^2/NDF:59.0/42

Out: 39.968+/-11.486 χ^2/NDF:43.7/49

All: 39.004+/-8.211 χ^2/NDF: 102.7/92

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 63.369+/-0.015 χ^2/NDF: 2274277.3/19

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 65.972+/-0.015 χ^2/NDF: 3350094.6/24

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

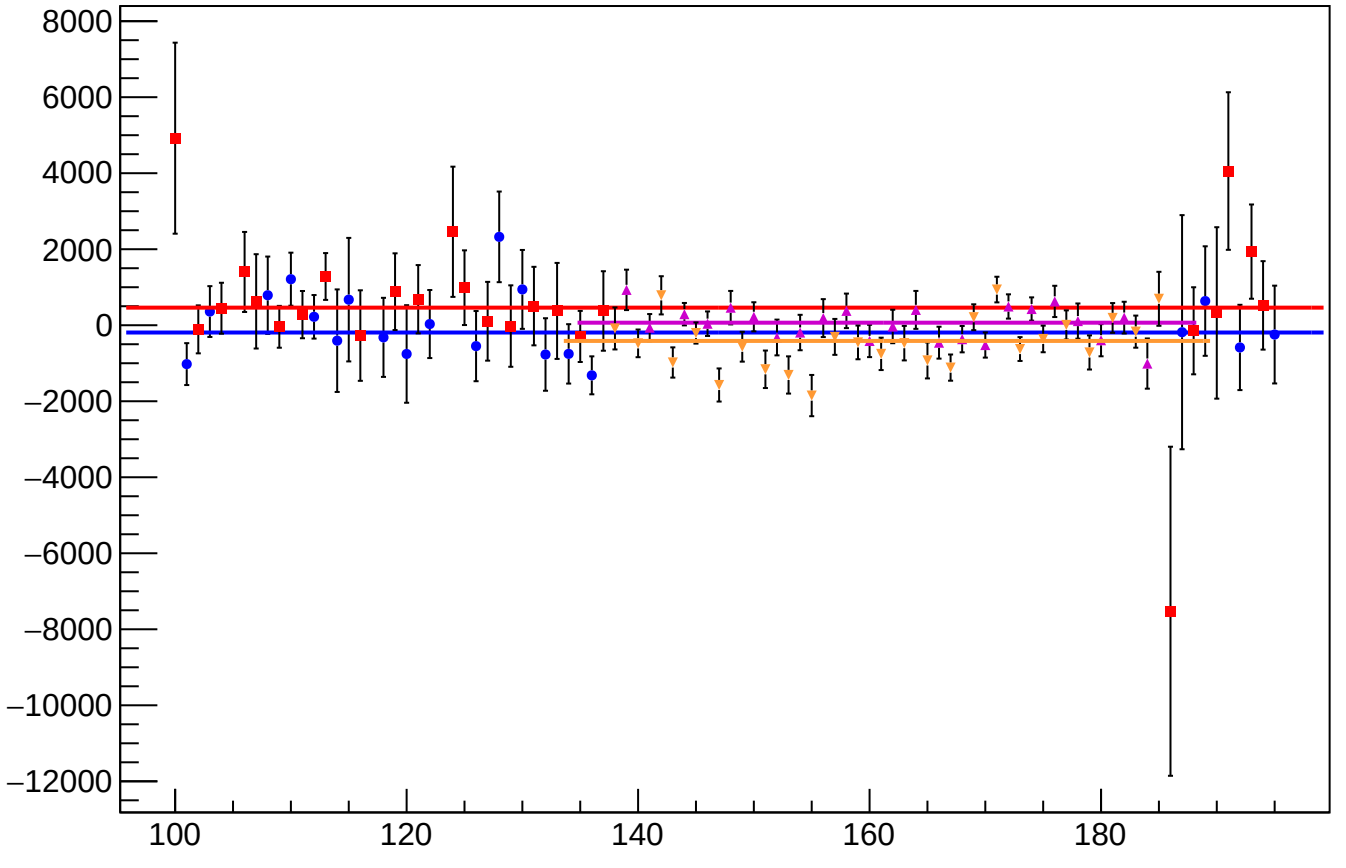
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 64.671+/-0.011 χ^2/NDF: 5638607.4/44

In: 59.513+/-0.008 χ^2/NDF:3486781.4/42

Out: 59.944+/-0.008 χ^2/NDF:4926946.3/49

All: 59.733+/-0.006 χ^2/NDF: 8415106.1/92



Right In: -191.679+/-193.040 χ^2/NDF: 21.2/19

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 462.735+/-187.648 χ^2/NDF: 19.5/24

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

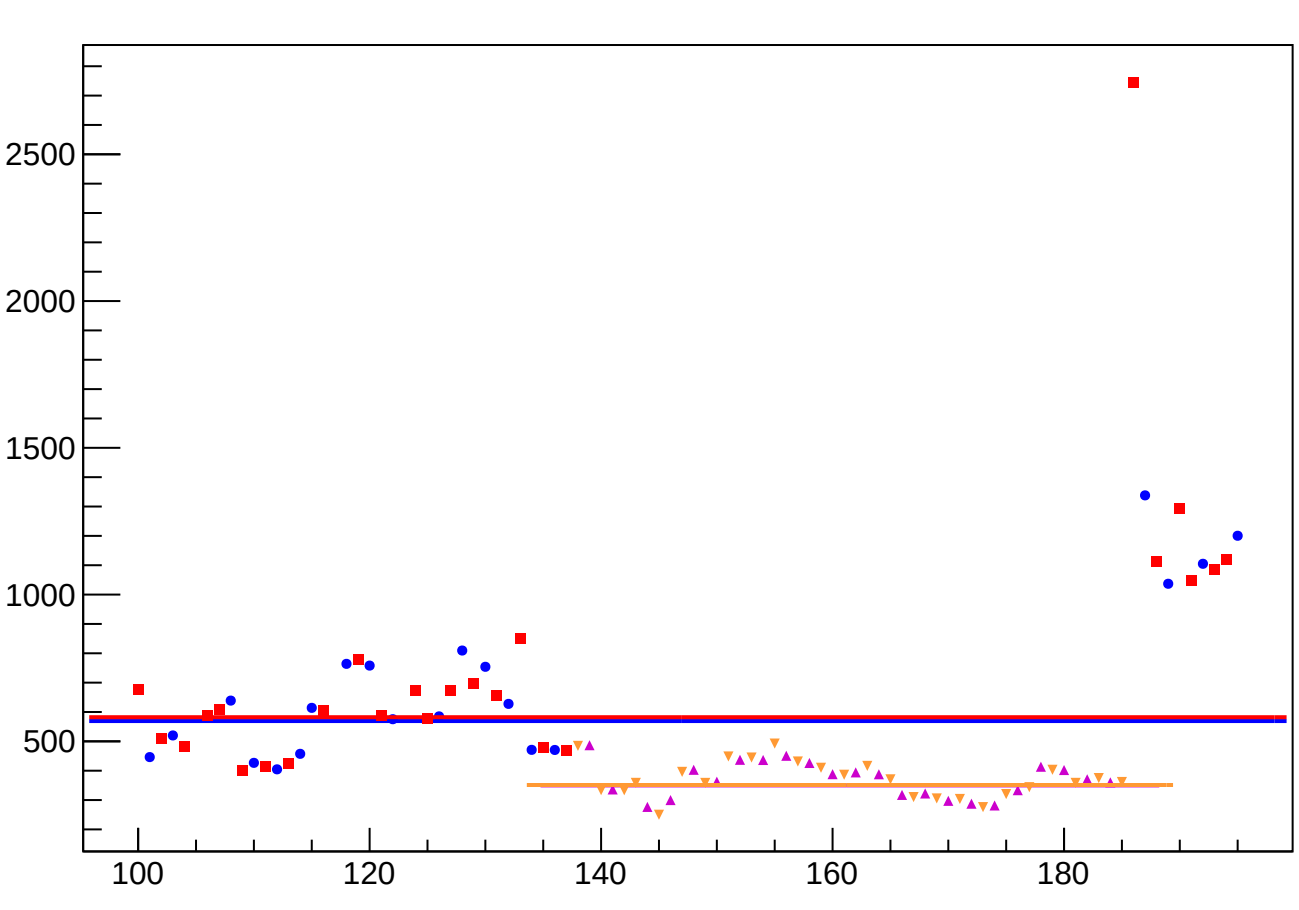
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 144.795+/-134.553 χ^2/NDF: 46.6/44

In: 26.266+/-76.314 χ^2/NDF:45.7/42

Out: -275.113+/-74.471 χ^2/NDF:99.1/49

All: -128.106+/-53.299 χ^2/NDF: 152.8/92



Right In: 569.129+/-0.136 χ^2/NDF: 2031221.3/19

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 582.222+/-0.133 χ^2/NDF: 2843028.8/24

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

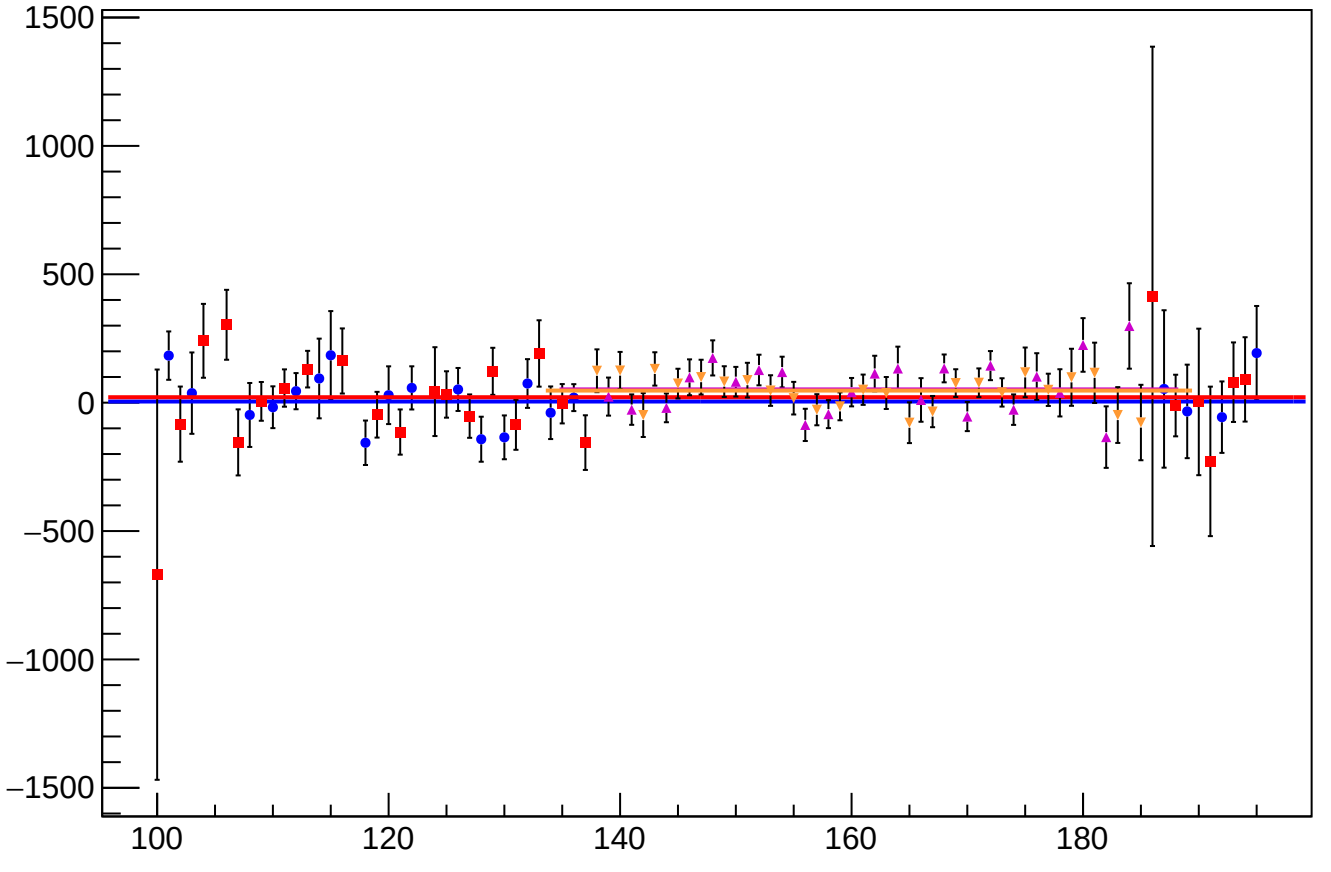
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 575.861+/-0.095 χ^2/NDF: 4878980.6/44

In: 384.089+/-0.054 χ^2/NDF:5199666.6/42

Out: 387.641+/-0.053 χ^2/NDF:6513830.9/49

All: 385.908+/-0.038 χ^2/NDF: 11715717.1/92



Right In: 4.516+/-21.816 χ^2/NDF: 17.5/19

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 21.253+/-21.810 χ^2/NDF: 25.7/24

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

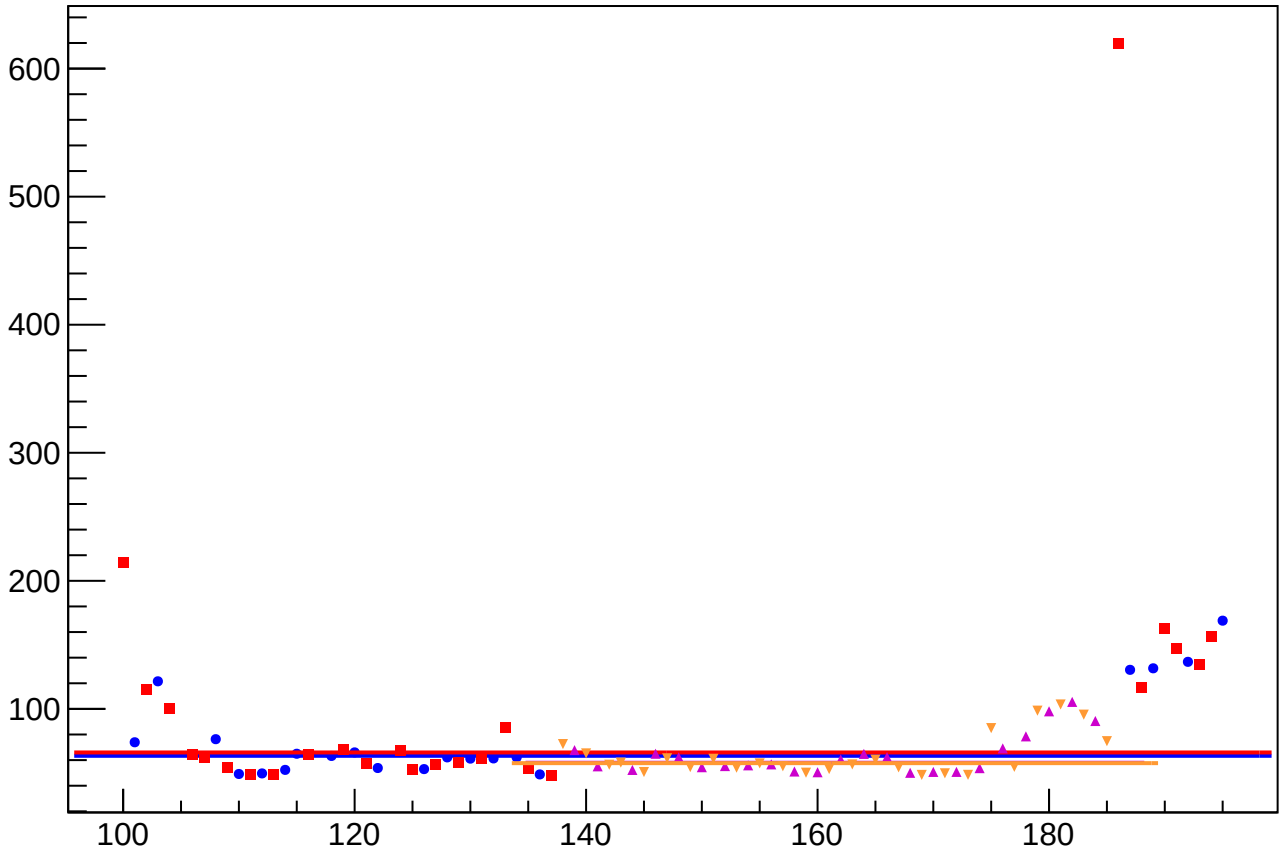
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 12.887+/-15.424 χ^2/NDF: 43.5/44

In: 37.995+/-11.743 χ^2/NDF:59.0/42

Out: 39.968+/-11.486 χ^2/NDF:43.7/49

All: 39.004+/-8.211 χ^2/NDF: 102.7/92



Right In: 63.370+/-0.015 χ^2/NDF: 2274270.6/19

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 65.972+/-0.015 χ^2/NDF: 3350093.3/24

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

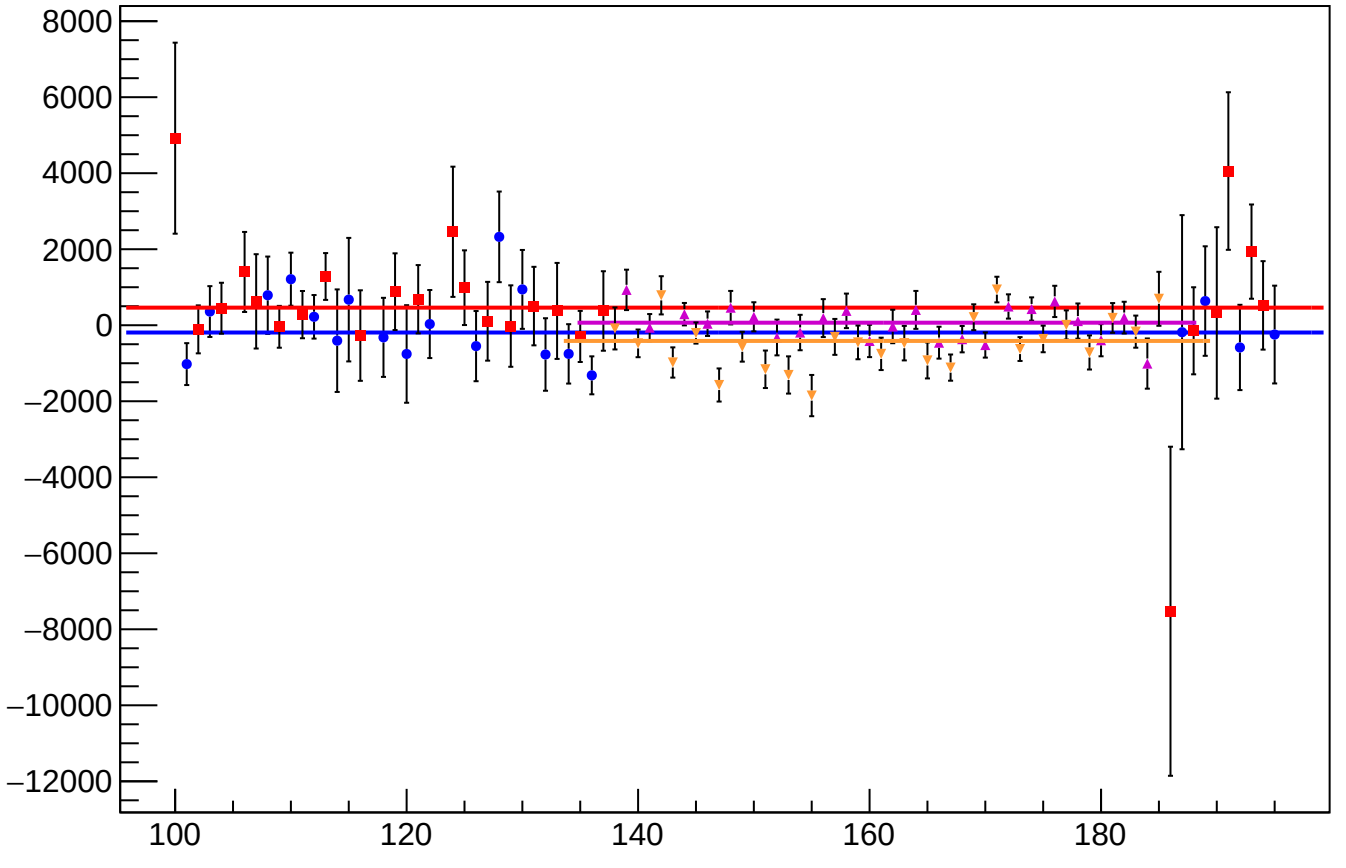
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 64.671+/-0.011 χ^2/NDF: 5638599.8/44

In: 59.513+/-0.008 χ^2/NDF:3486760.5/42

Out: 59.944+/-0.008 χ^2/NDF:4926941.2/49

All: 59.734+/-0.006 χ^2/NDF: 8415080.0/92



Right In: -191.678+/-193.039 χ^2/NDF: 21.2/19

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 462.735+/-187.647 χ^2/NDF: 19.5/24

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

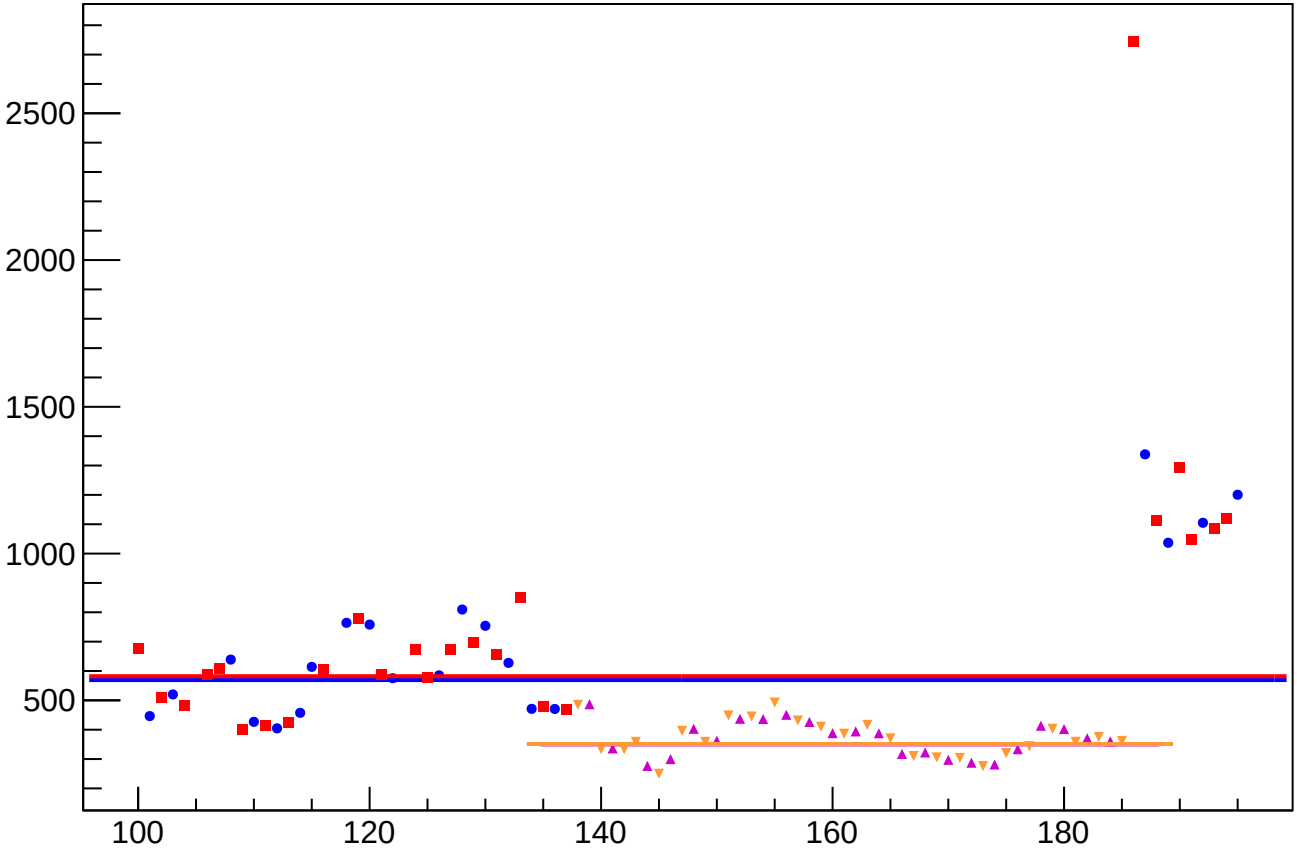
Right: 144.795+/-134.553 χ^2/NDF: 46.6/44

In: 26.266+/-76.314 χ^2/NDF:45.7/42

Out: -275.113+/-74.471 χ^2/NDF:99.1/49

All: -128.106+/-53.299 χ^2/NDF: 152.8/92

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 569.128+/-0.136 χ^2/NDF: 2031227.6/19

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 582.220+/-0.133 χ^2/NDF: 2843031.0/24

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

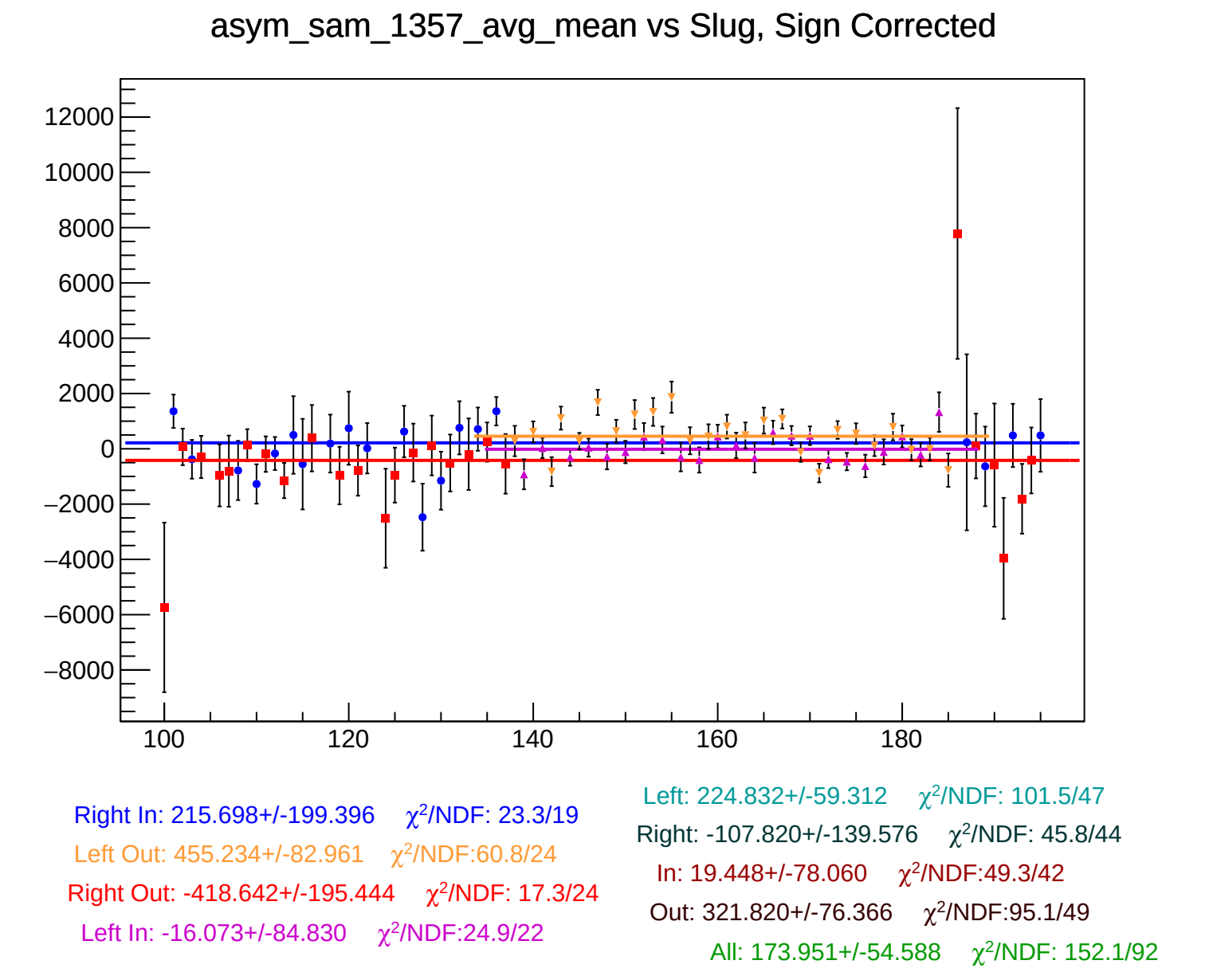
Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

Right: 575.859+/-0.095 χ^2/NDF: 4878989.1/44

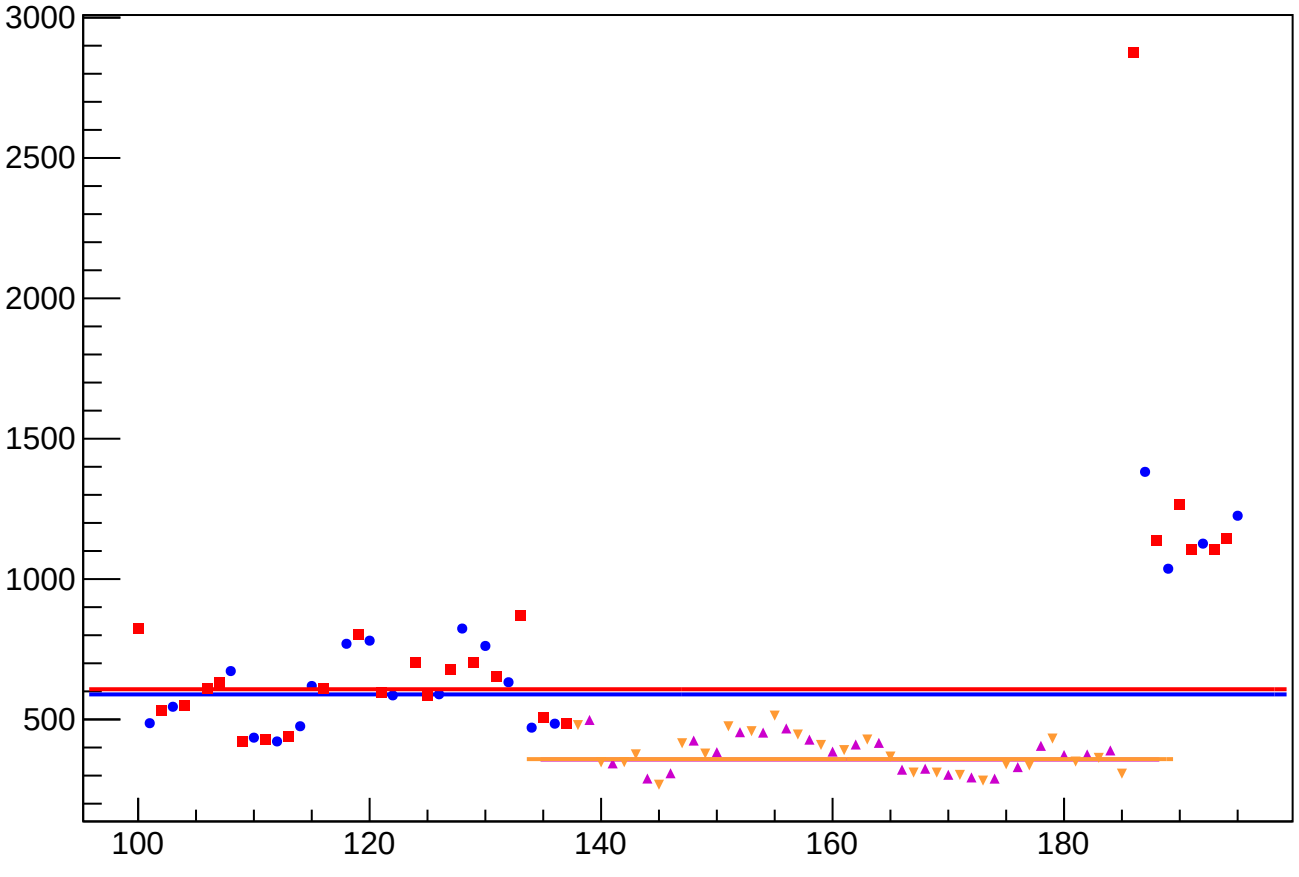
In: 384.088+/-0.054 χ^2/NDF:5199654.3/42

Out: 387.640+/-0.053 χ^2/NDF:6513819.2/49

All: 385.908+/-0.038 χ^2/NDF: 11715692.9/92


asym_sam_1357_avg_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
Right In: 215.698+/-199.396 χ²/NDF: 23.3/19
Left Out: 455.234+/-82.961 χ²/NDF:60.8/24
Right Out: -418.642+/-195.444 χ²/NDF: 17.3/24
Left In: -16.073+/-84.830 χ²/NDF:24.9/22
Left: 224.832+/-59.312 χ²/NDF: 101.5/47
Right: -107.820+/-139.576 χ²/NDF: 45.8/44
In: 19.448+/-78.060 χ²/NDF:49.3/42
Out: 321.820+/-76.366 χ²/NDF:95.1/49
All: 173.951+/-54.588 χ²/NDF: 152.1/92

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 589.201+/-0.141 χ^2/NDF: 1931791.1/19

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 607.646+/-0.138 χ^2/NDF: 2707147.3/24

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

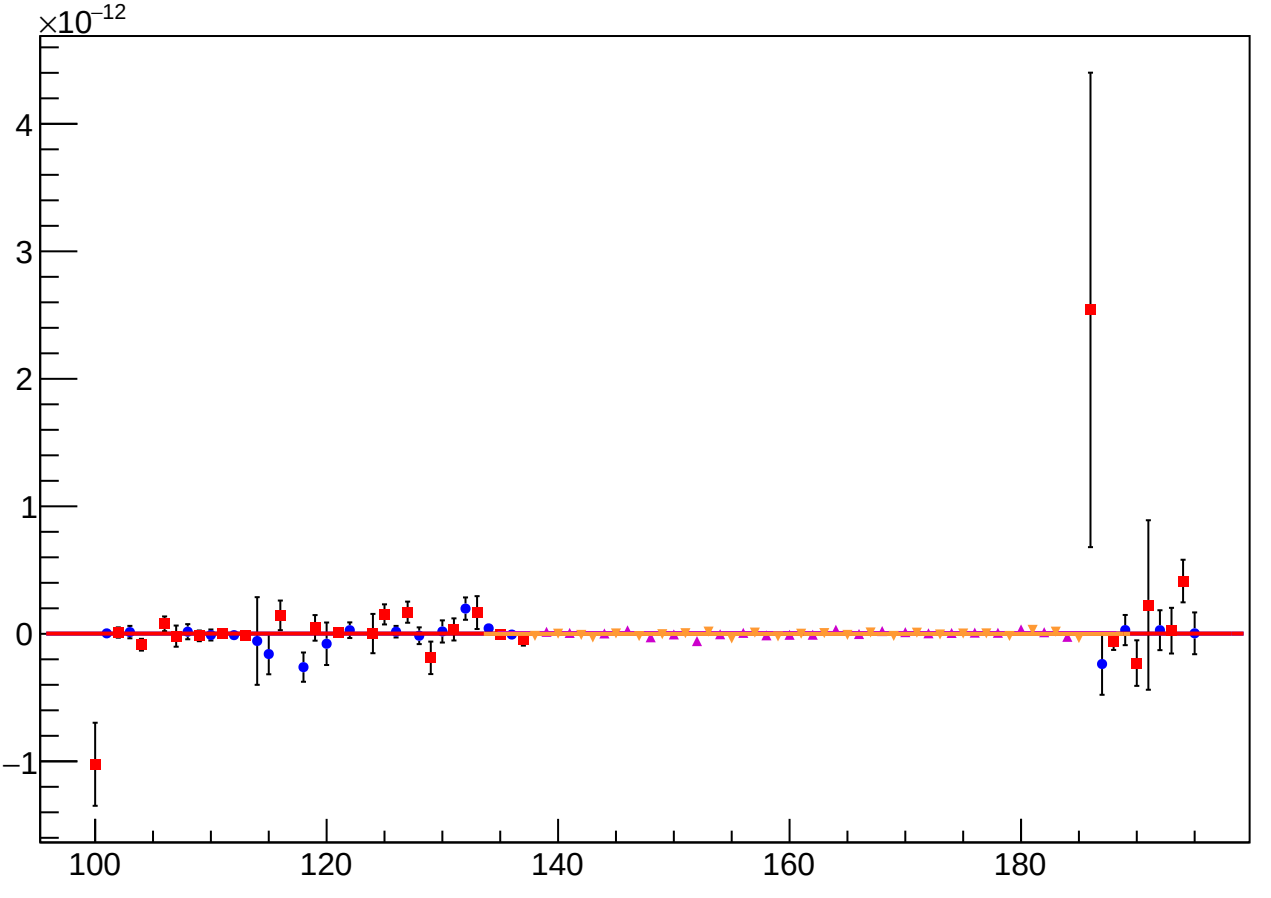
Right: 598.608+/-0.099 χ^2/NDF: 4647666.6/44

In: 392.741+/-0.055 χ^2/NDF:5206378.7/42

Out: 396.687+/-0.054 χ^2/NDF:6576654.5/49

All: 394.757+/-0.039 χ^2/NDF: 11785644.3/92

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.7/19

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.7/24

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

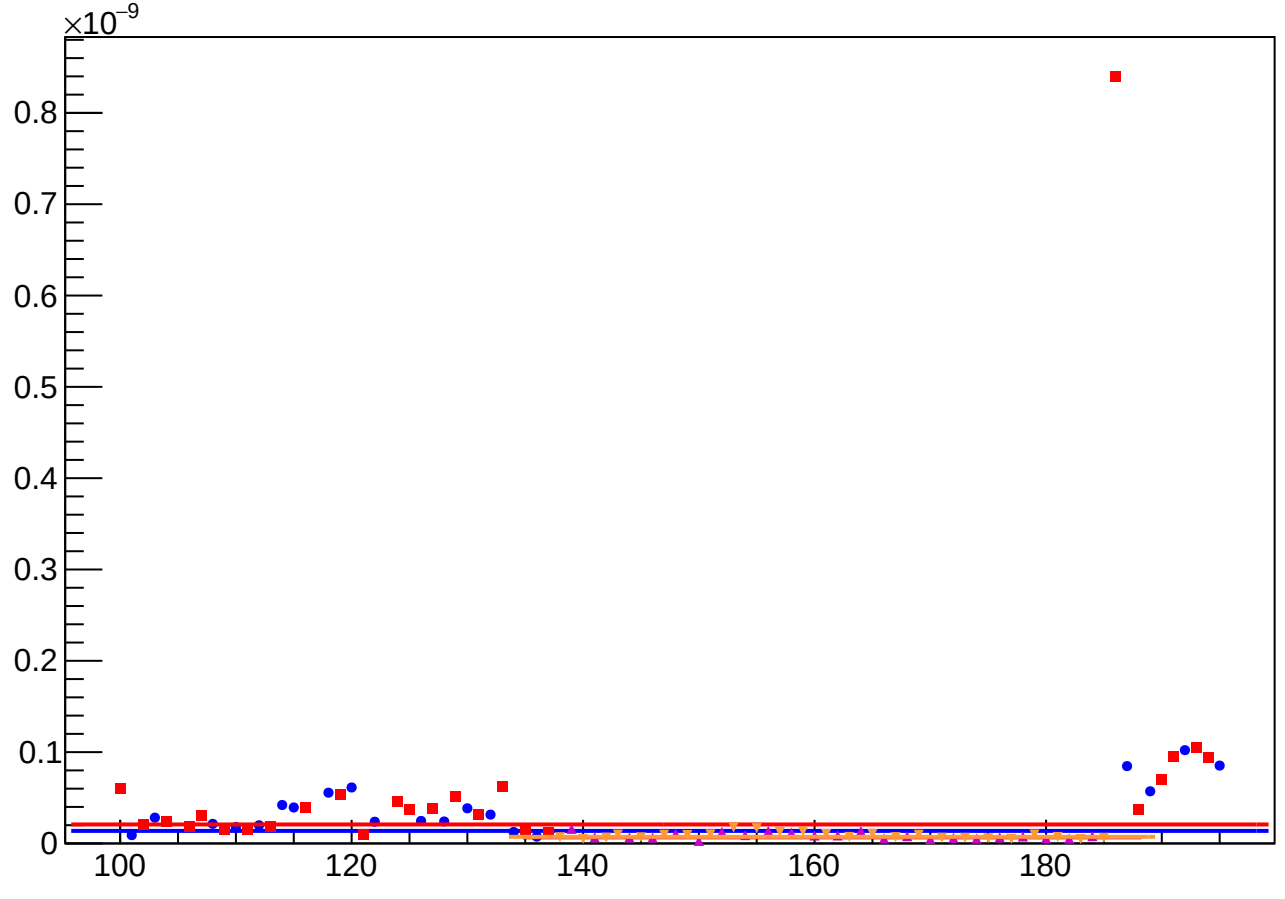
Right: 0.000+/-0.000 χ^2/NDF: 55.4/44

In: 0.000+/-0.000 χ^2/NDF:43.4/42

Out: -0.000+/-0.000 χ^2/NDF:58.9/49

All: 0.000+/-0.000 χ^2/NDF: 104.6/92

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3235025.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2905950.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

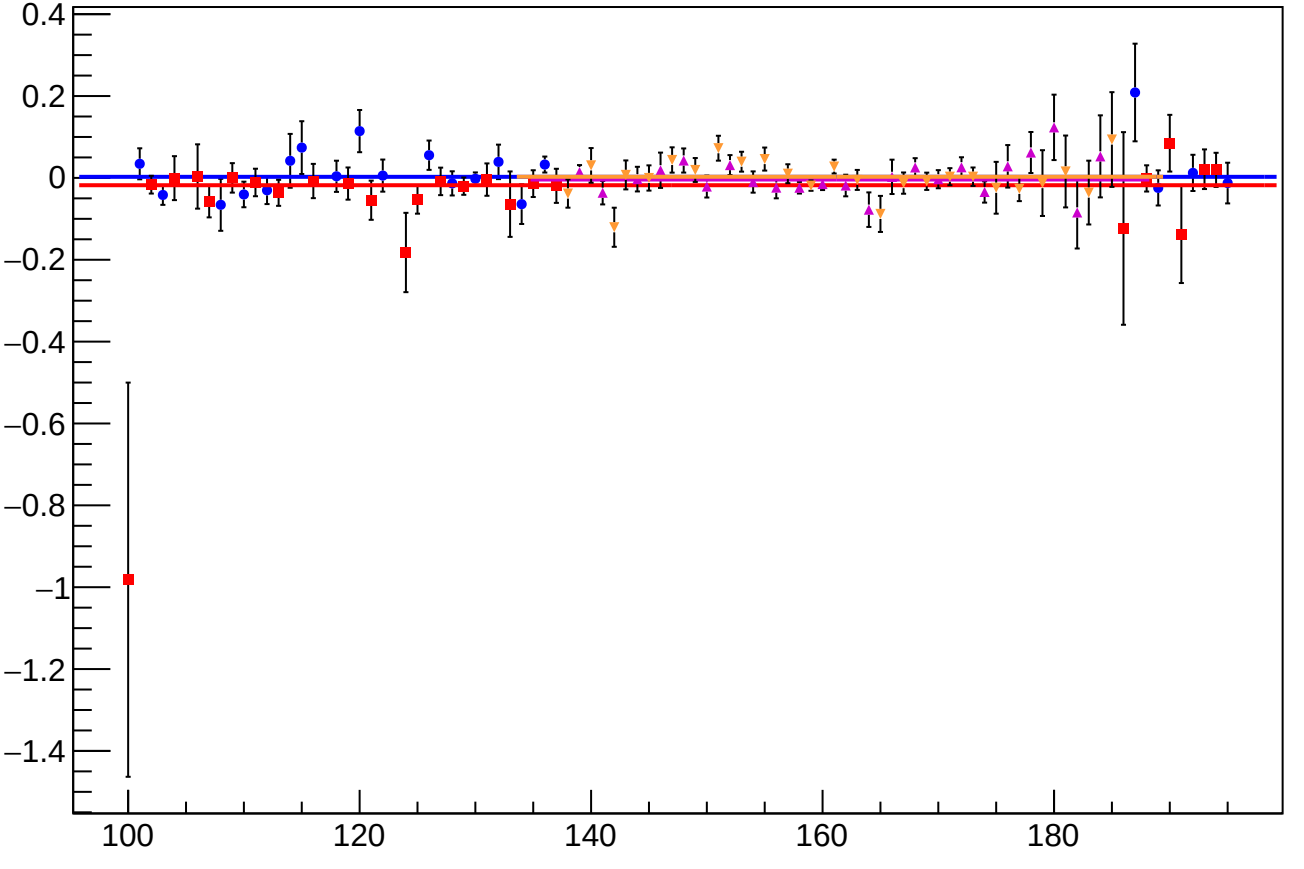
Right: 0.000+/-0.000 χ^2/NDF: 6589098.7/44

In: 0.000+/-0.000 χ^2/NDF:6111981.4/42

Out: 0.000+/-0.000 χ^2/NDF:6812666.5/49

All: 0.000+/-0.000 χ^2/NDF: 12990971.1/92

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

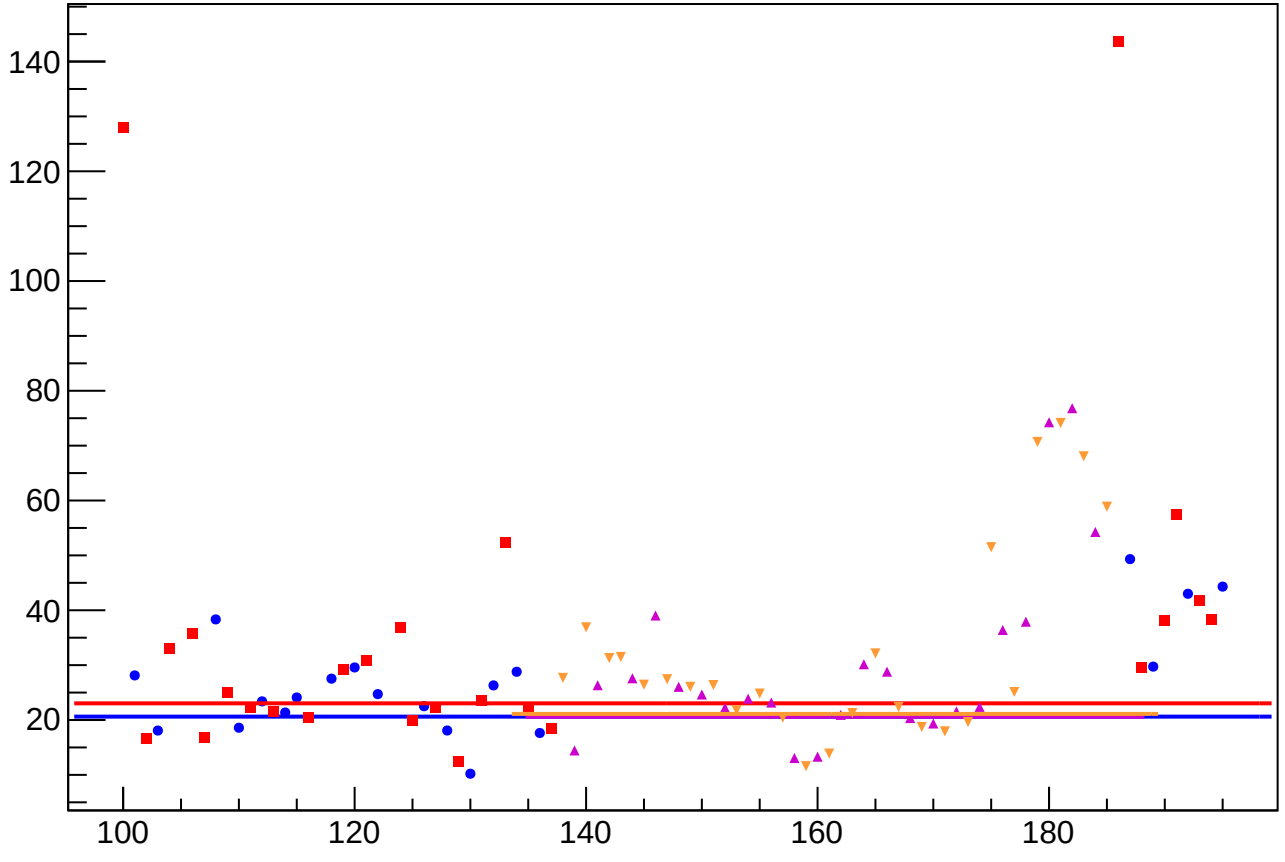
Right: -0.007+/-0.005 χ^2/NDF: 45.3/44

In: -0.002+/-0.004 χ^2/NDF:50.6/42

Out: -0.004+/-0.004 χ^2/NDF:53.7/49

All: -0.003+/-0.003 χ^2/NDF: 104.4/92

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.616+/-0.005 χ^2/NDF: 2658579.0/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 23.039+/-0.006 χ^2/NDF: 2873191.6/24

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

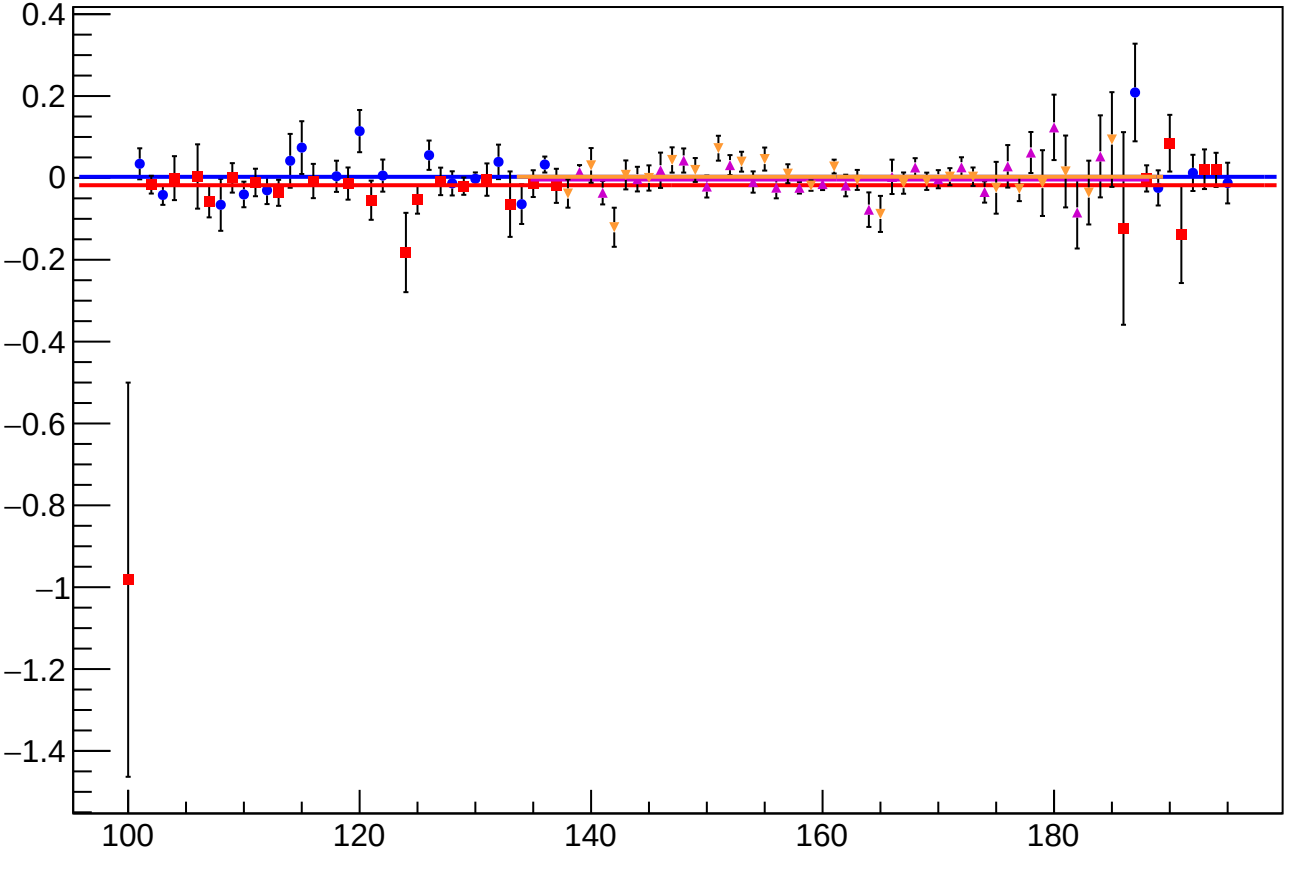
Right: 21.768+/-0.004 χ^2/NDF: 5631937.0/44

In: 20.600+/-0.003 χ^2/NDF:7258087.0/42

Out: 21.738+/-0.003 χ^2/NDF:8501441.2/49

All: 21.158+/-0.002 χ^2/NDF: 15825373.0/92

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

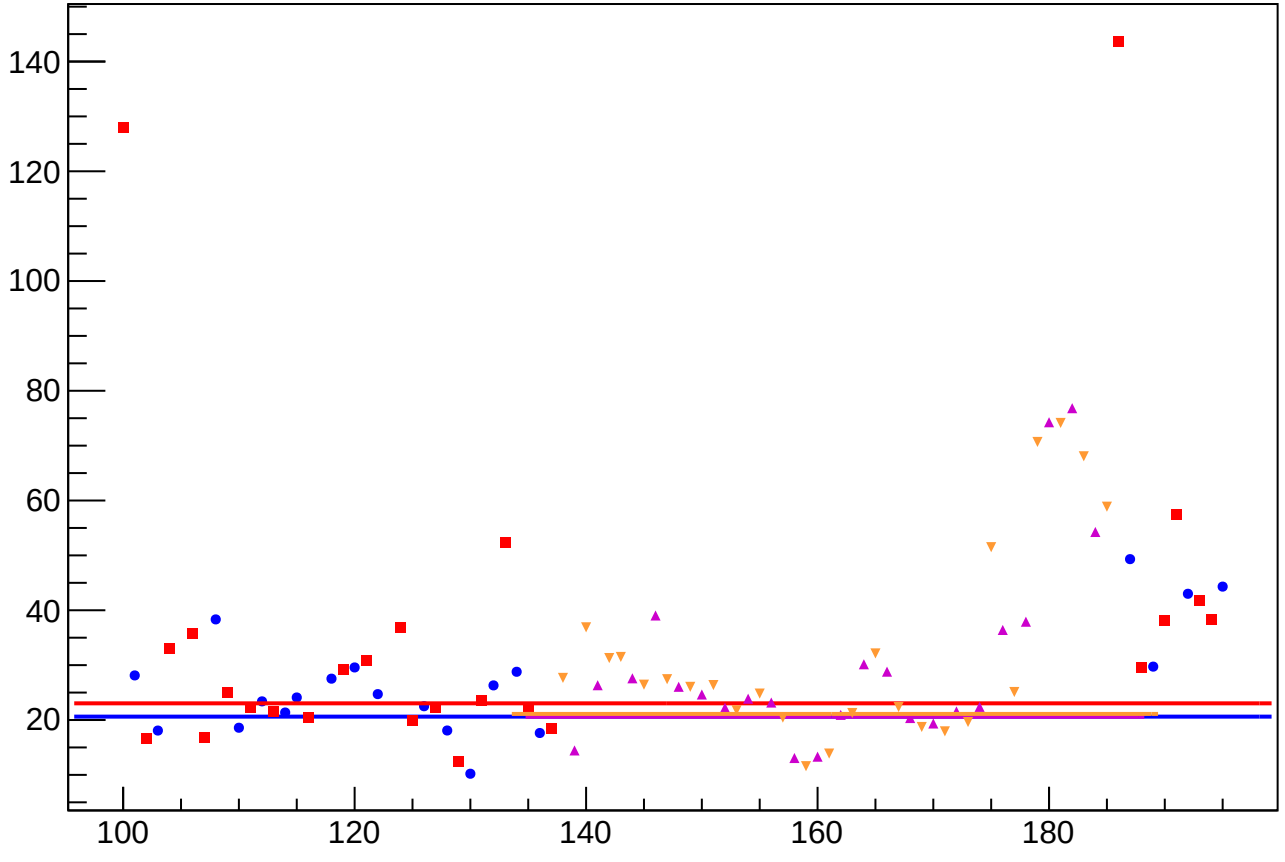
Right: -0.007+/-0.005 χ^2/NDF: 45.3/44

In: -0.002+/-0.004 χ^2/NDF:50.6/42

Out: -0.004+/-0.004 χ^2/NDF:53.7/49

All: -0.003+/-0.003 χ^2/NDF: 104.4/92

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.616+/-0.005 χ^2/NDF: 2658579.0/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 23.039+/-0.006 χ^2/NDF: 2873191.6/24

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

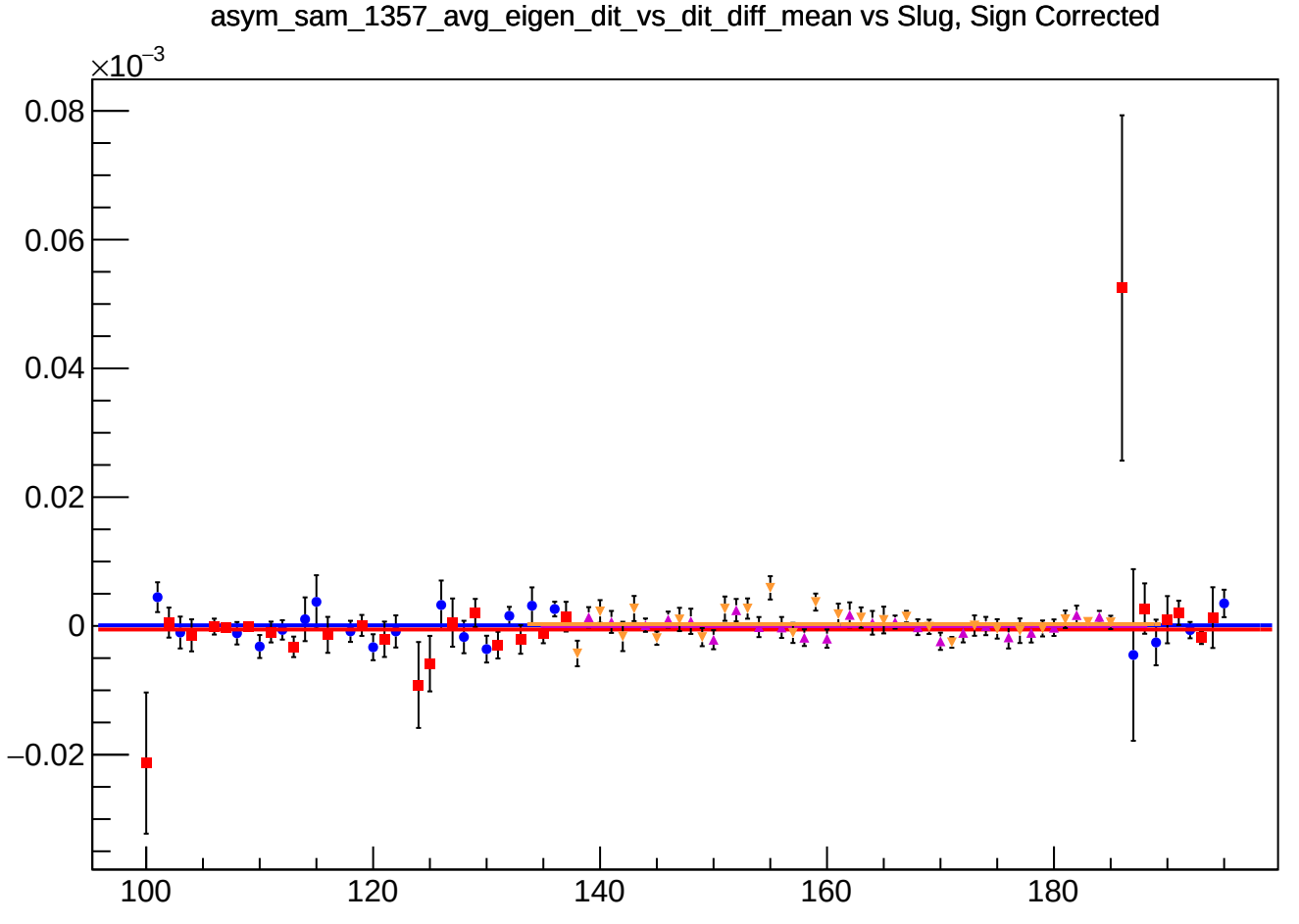
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 21.768+/-0.004 χ^2/NDF: 5631937.0/44

In: 20.600+/-0.003 χ^2/NDF:7258087.0/42

Out: 21.738+/-0.003 χ^2/NDF:8501441.2/49

All: 21.158+/-0.002 χ^2/NDF: 15825373.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/24

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

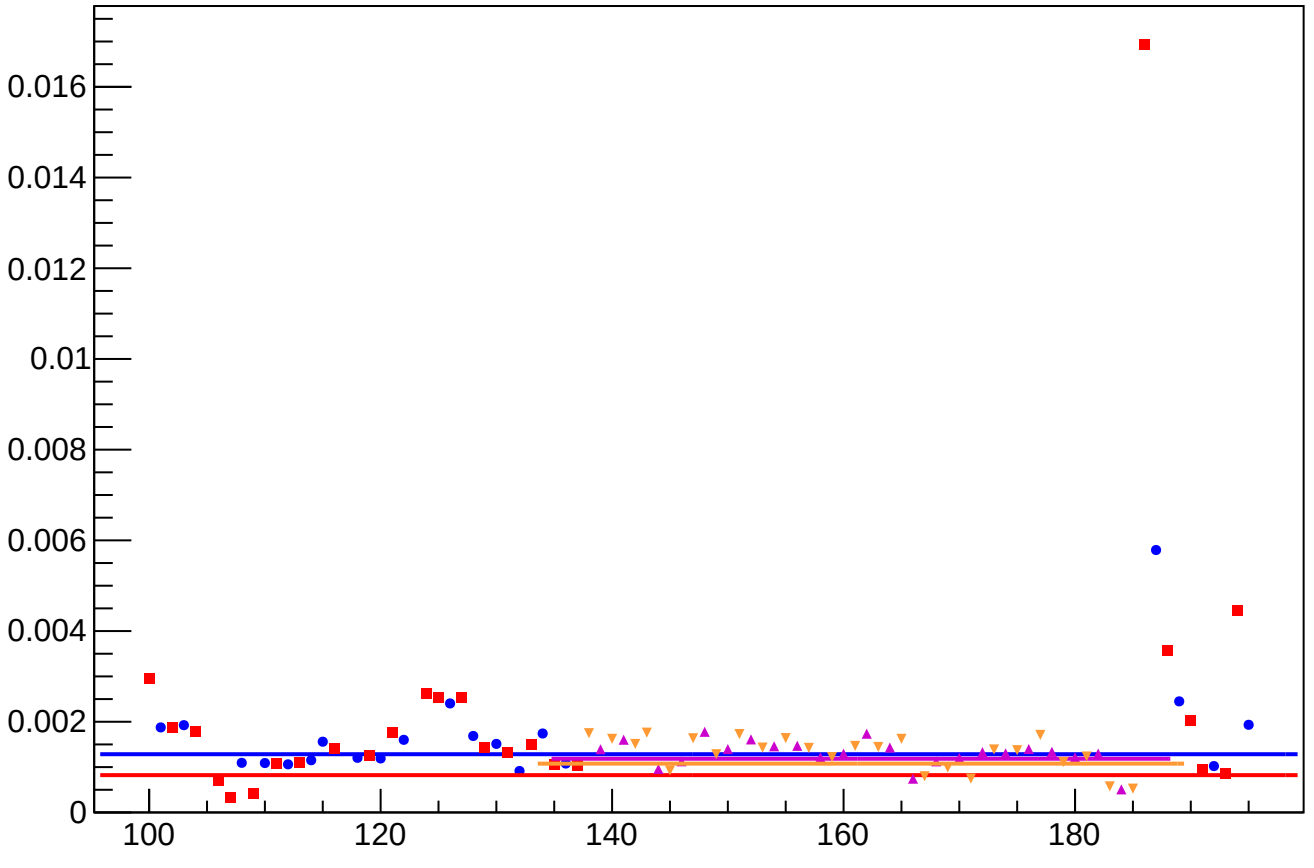
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 52.6/44

In: 0.000+/-0.000 χ^2/NDF:46.9/42

Out: -0.000+/-0.000 χ^2/NDF:80.9/49

All: -0.000+/-0.000 χ^2/NDF: 127.9/92



Right In: 0.001+/-0.000 χ^2/NDF: 1626533.0/19

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7870578.8/24

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

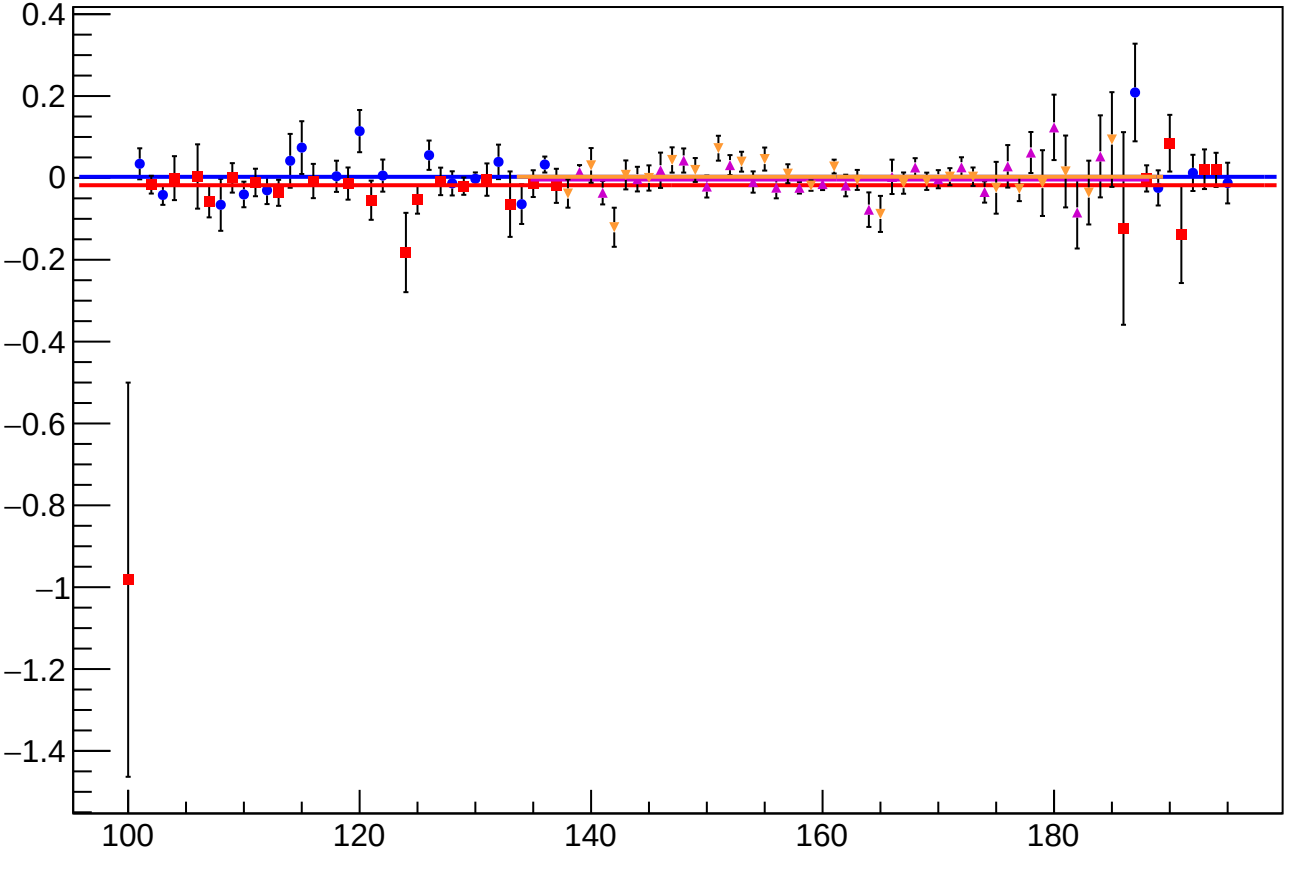
Right: 0.001+/-0.000 χ^2/NDF: 10951185.4/44

In: 0.001+/-0.000 χ^2/NDF:4154422.9/42

Out: 0.001+/-0.000 χ^2/NDF:13185914.1/49

All: 0.001+/-0.000 χ^2/NDF: 18532728.8/92

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

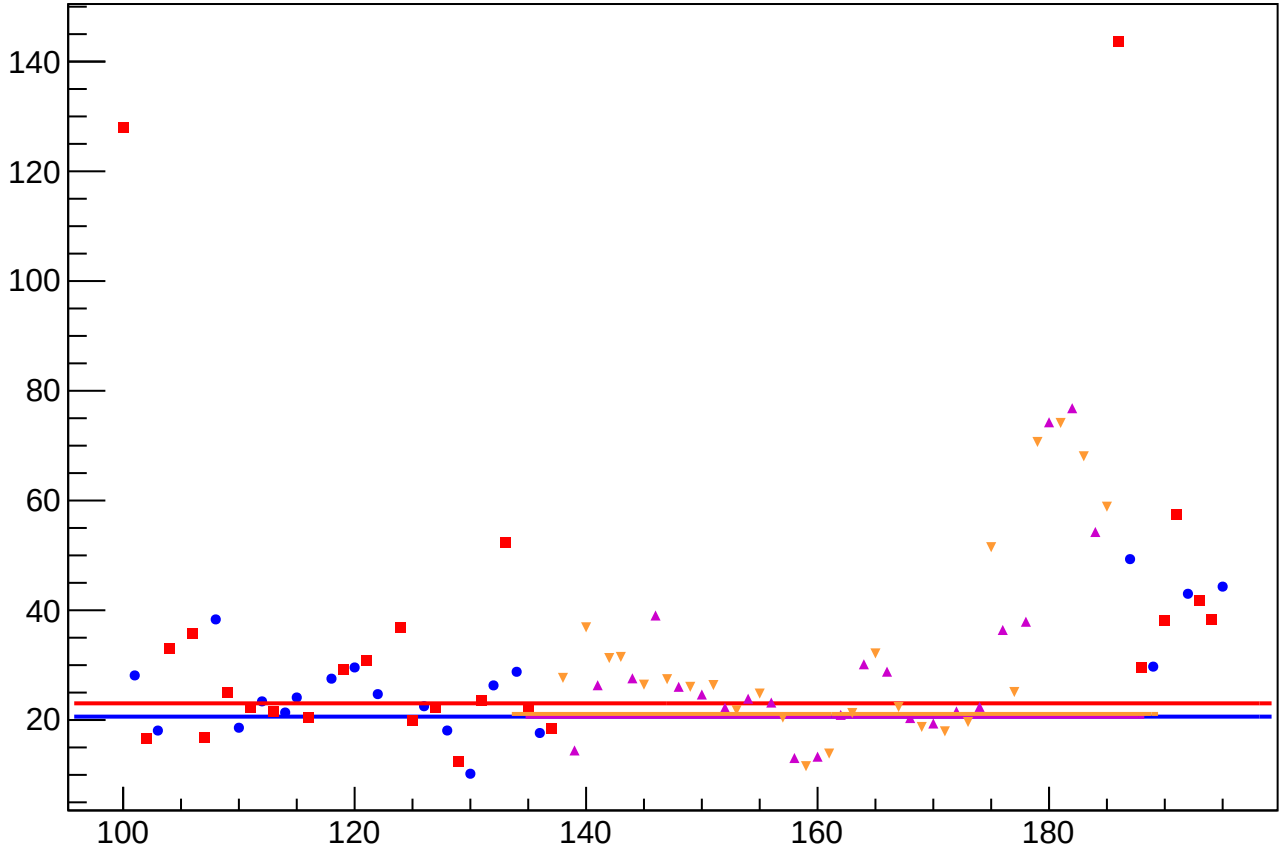
Right: -0.007+/-0.005 χ^2/NDF: 45.3/44

In: -0.002+/-0.004 χ^2/NDF:50.6/42

Out: -0.004+/-0.004 χ^2/NDF:53.7/49

All: -0.003+/-0.003 χ^2/NDF: 104.4/92

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.617+/-0.005 χ^2/NDF: 2658416.2/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 23.039+/-0.006 χ^2/NDF: 2873186.6/24

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

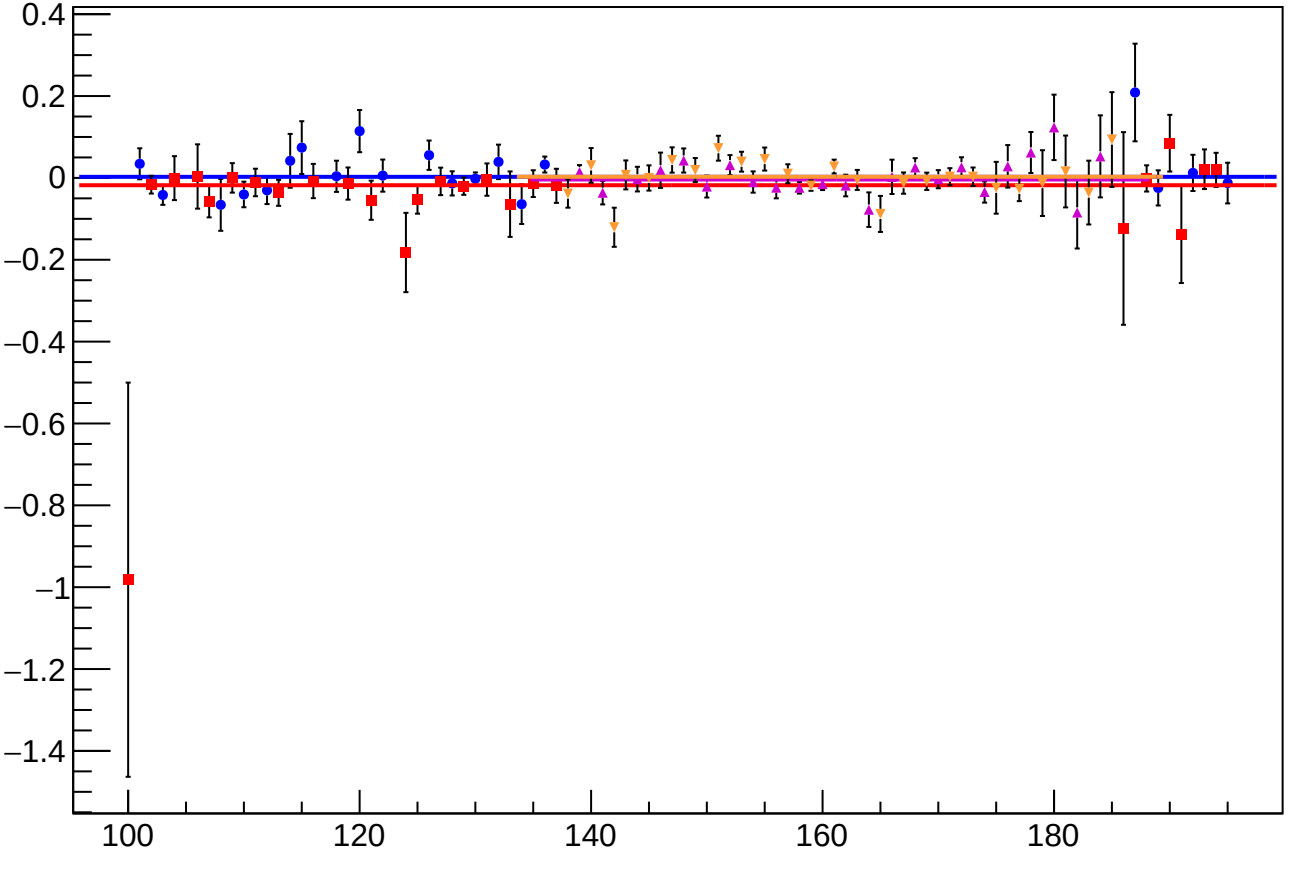
Right: 21.769+/-0.004 χ^2/NDF: 5631750.3/44

In: 20.600+/-0.003 χ^2/NDF:7257927.1/42

Out: 21.738+/-0.003 χ^2/NDF:8501584.5/49

All: 21.159+/-0.002 χ^2/NDF: 15825333.5/92

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.007 χ^2/NDF: 25.5/19

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

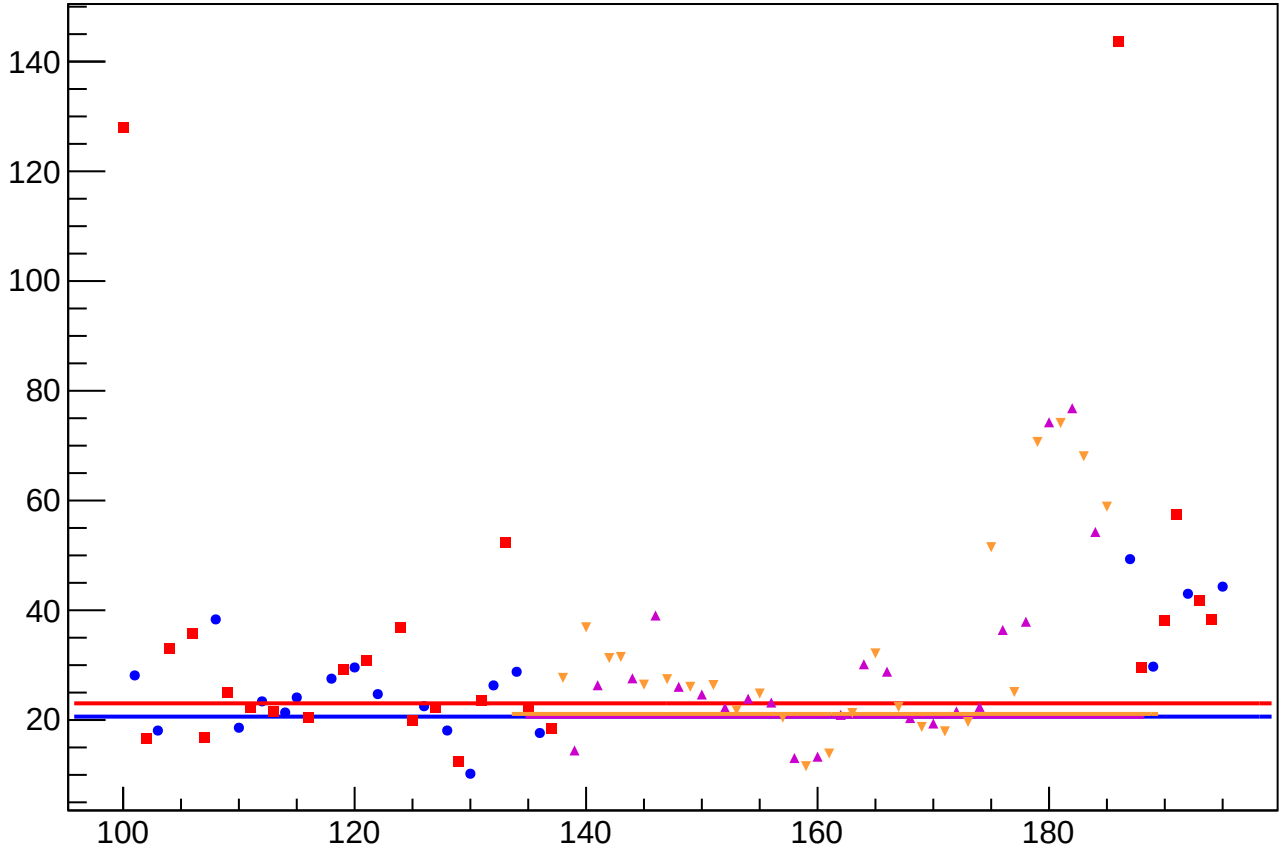
Right: -0.007+/-0.005 χ^2/NDF: 45.3/44

In: -0.002+/-0.004 χ^2/NDF:50.6/42

Out: -0.004+/-0.004 χ^2/NDF:53.7/49

All: -0.003+/-0.003 χ^2/NDF: 104.4/92

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.617+/-0.005 χ^2/NDF: 2658416.2/19

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 23.039+/-0.006 χ^2/NDF: 2873186.6/24

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

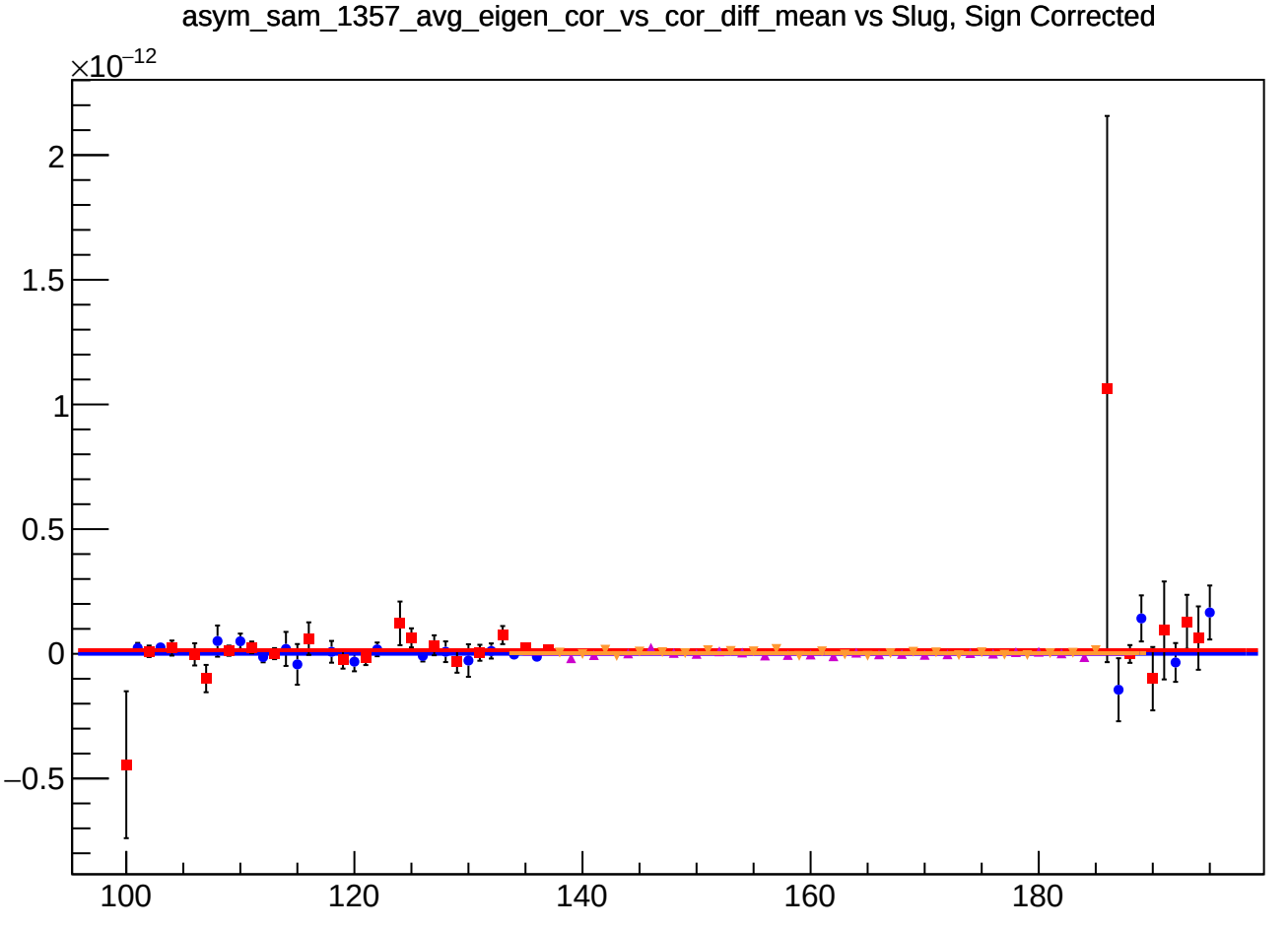
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 21.769+/-0.004 χ^2/NDF: 5631750.3/44

In: 20.600+/-0.003 χ^2/NDF:7257927.1/42

Out: 21.738+/-0.003 χ^2/NDF:8501584.5/49

All: 21.159+/-0.002 χ^2/NDF: 15825333.5/92



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/24

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

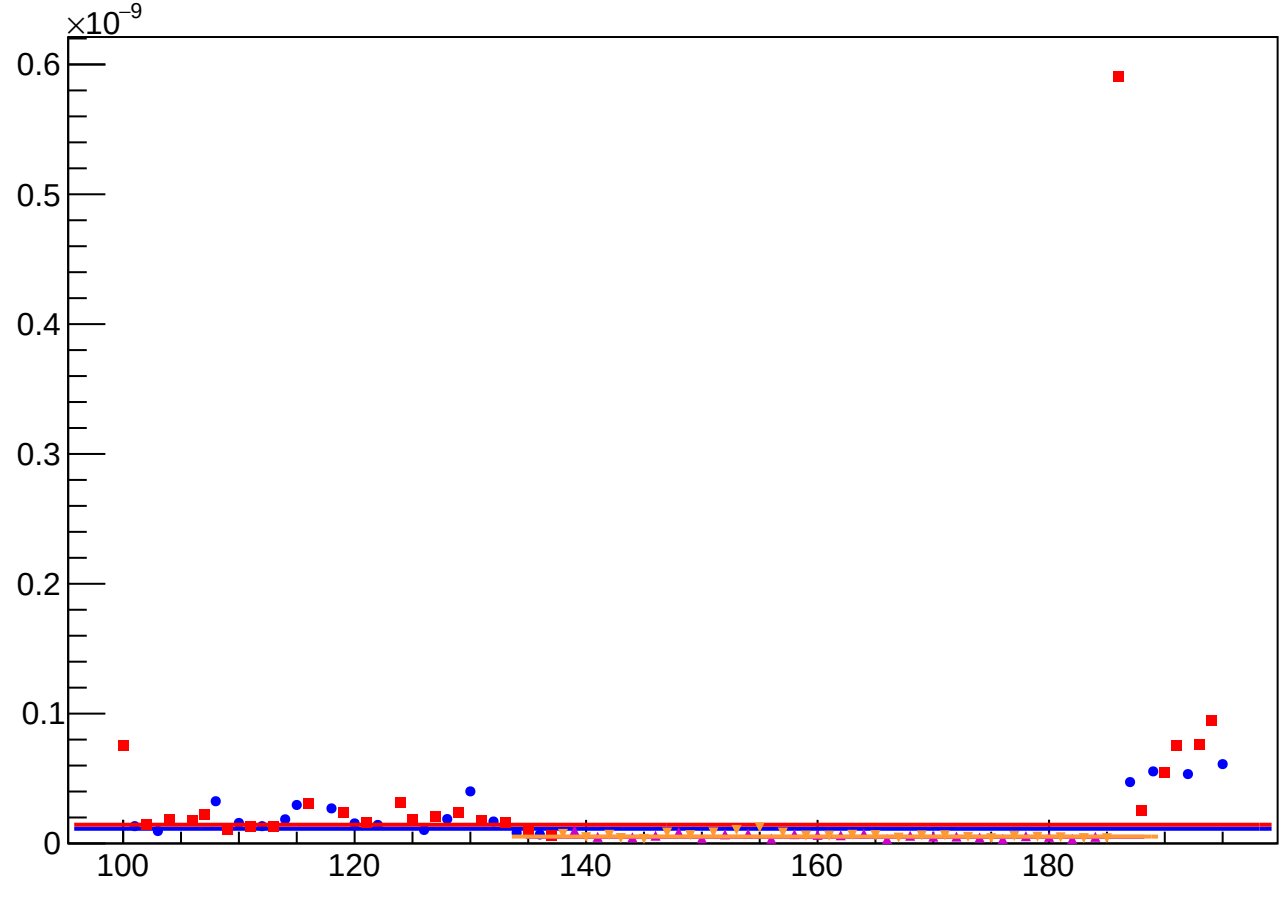
Right: 0.000+/-0.000 χ^2/NDF: 40.4/44

In: 0.000+/-0.000 χ^2/NDF:38.1/42

Out: 0.000+/-0.000 χ^2/NDF:44.8/49

All: 0.000+/-0.000 χ^2/NDF: 84.3/92

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3487098.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4020830.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

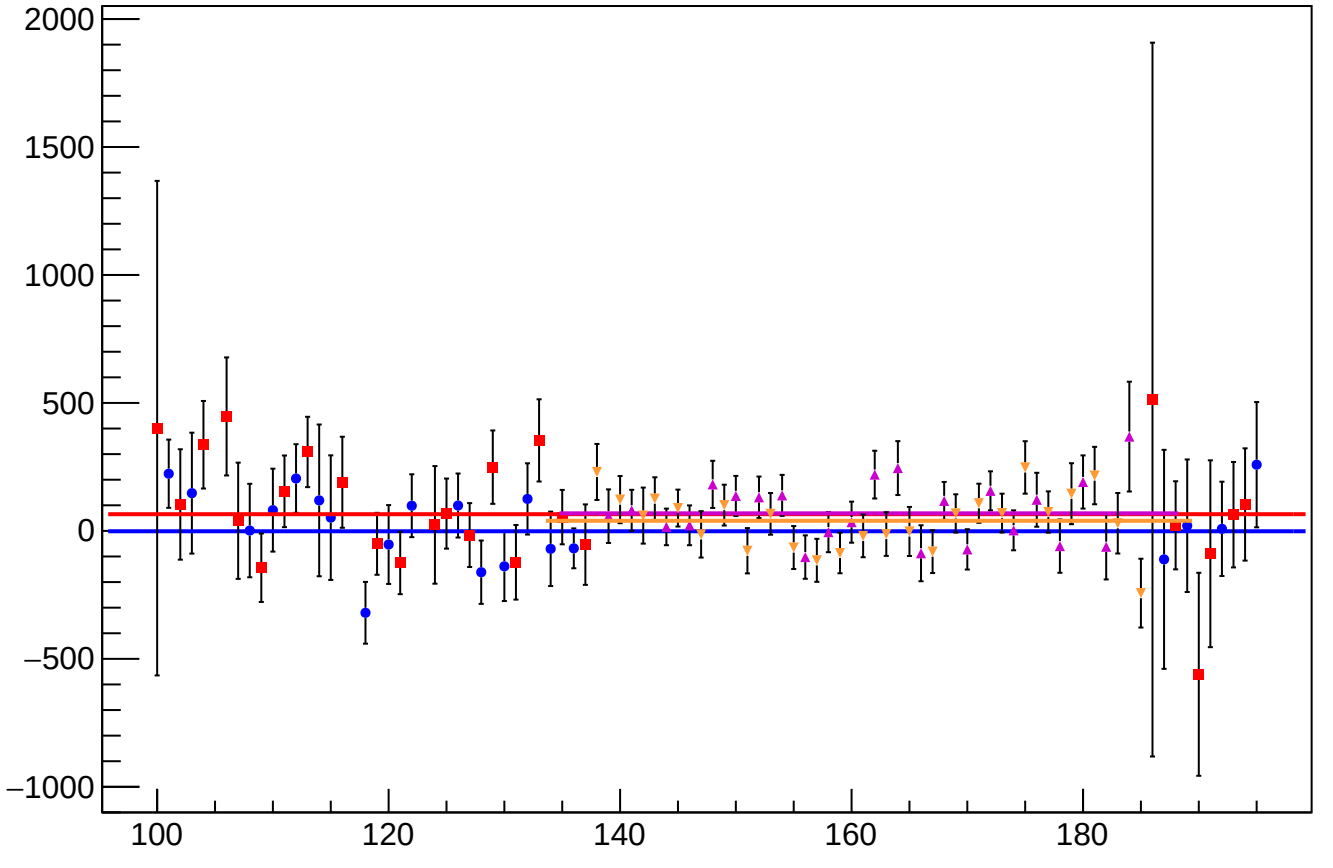
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 7778833.6/44

In: 0.000+/-0.000 χ^2/NDF:7511399.0/42

Out: 0.000+/-0.000 χ^2/NDF:9952623.7/49

All: 0.000+/-0.000 χ^2/NDF: 17489957.6/92



Right In: -1.449+/-33.019 χ^2/NDF: 20.2/19

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 65.271+/-33.072 χ^2/NDF: 25.7/24

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

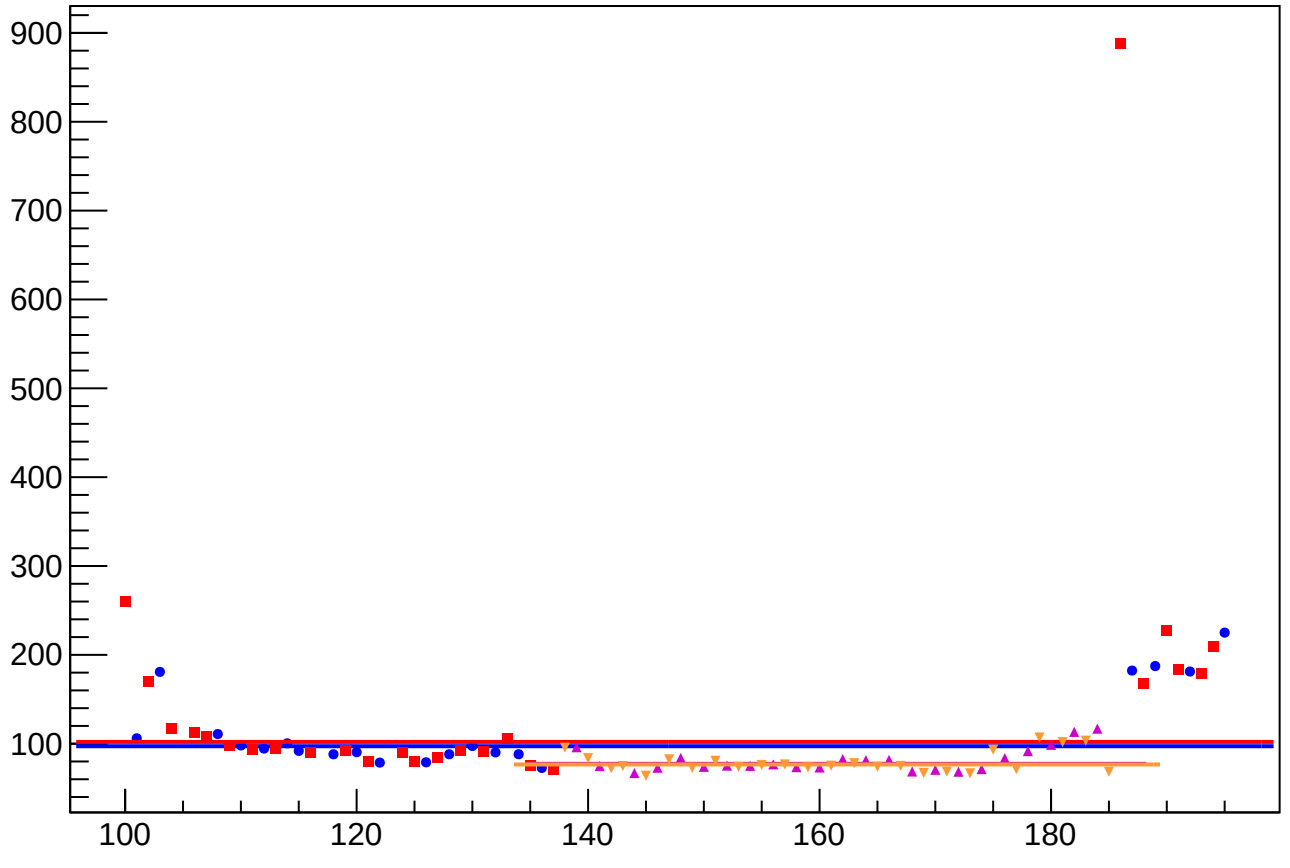
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 31.858+/-23.367 χ^2/NDF: 47.9/44

In: 52.131+/-16.018 χ^2/NDF:52.6/42

Out: 45.203+/-15.582 χ^2/NDF:58.1/49

All: 48.572+/-11.169 χ^2/NDF: 110.8/92



Right In: 97.155+/-0.023 χ^2/NDF: 1880204.4/19

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 102.019+/-0.023 χ^2/NDF: 2695169.6/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

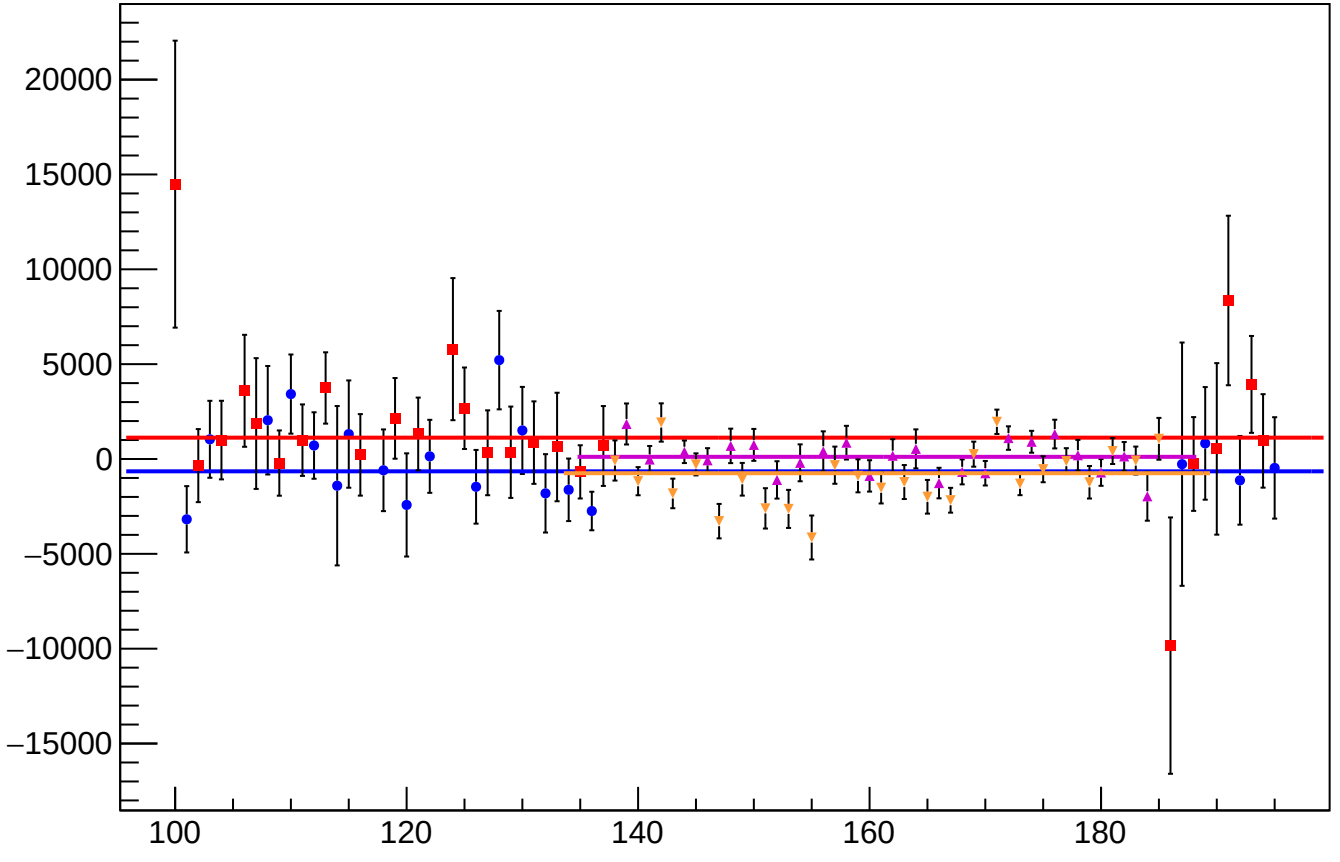
Right: 99.583+/-0.017 χ^2/NDF: 4597035.7/44

In: 82.009+/-0.011 χ^2/NDF:3020922.7/42

Out: 82.279+/-0.011 χ^2/NDF:4265599.0/49

All: 82.148+/-0.008 χ^2/NDF: 7286813.0/92

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -650.227+/-461.948 χ^2/NDF: 20.6/19

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1124.752+/-463.161 χ^2/NDF: 18.3/24

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

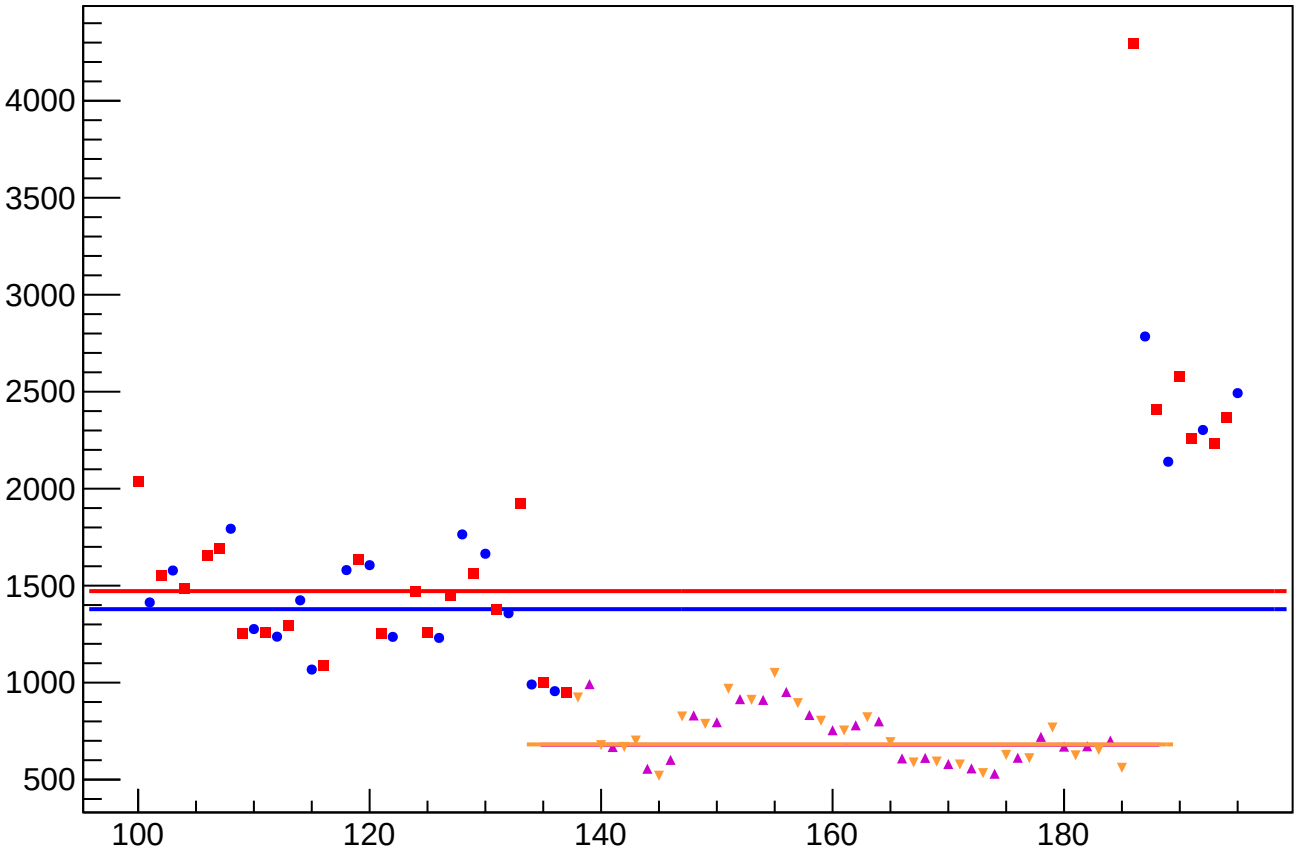
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

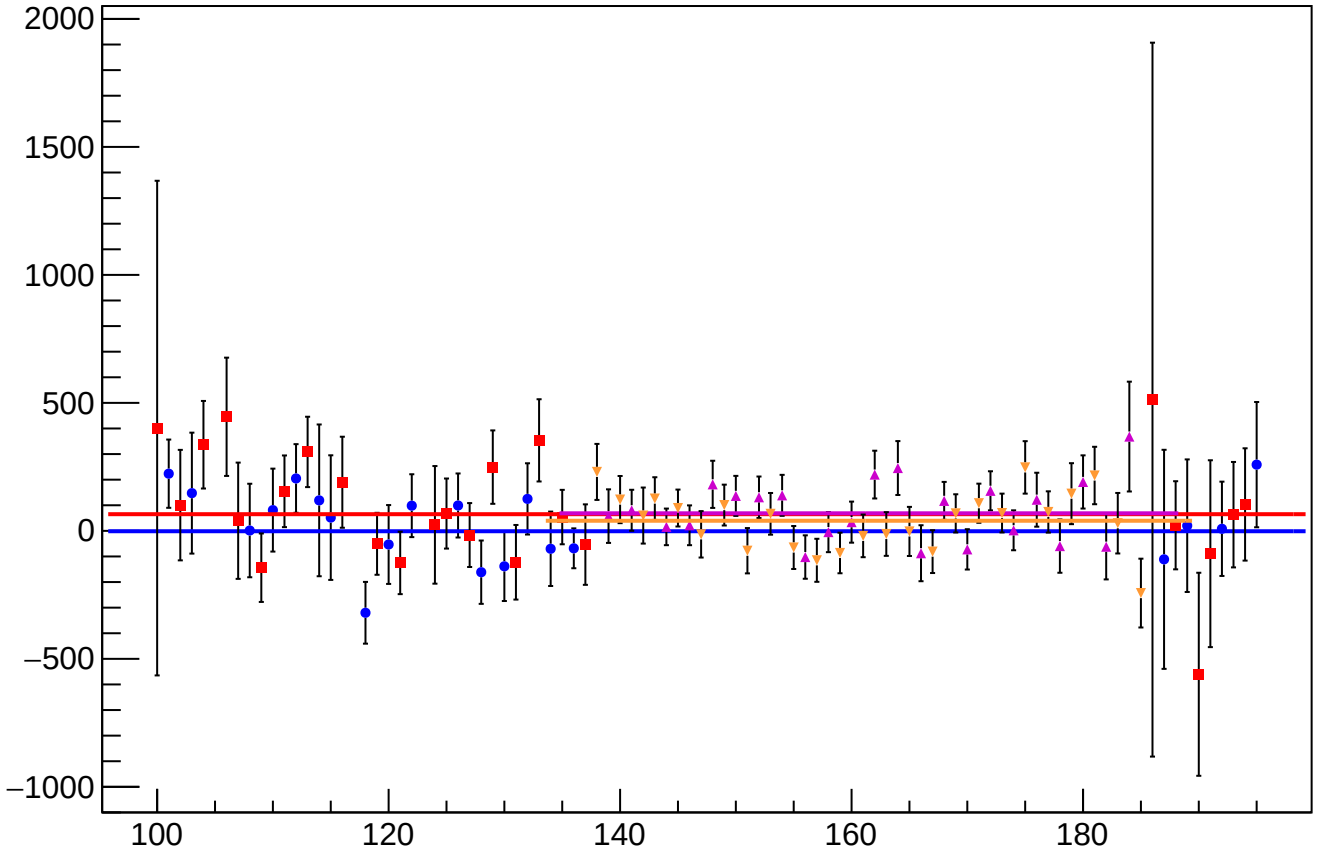
Right: 234.936+/-327.075 χ^2/NDF: 46.2/44

In: 30.303+/-152.712 χ^2/NDF:48.1/42

Out: -554.071+/-149.607 χ^2/NDF:102.9/49

All: -267.885+/-106.869 χ^2/NDF: 158.4/92


asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1378.735+/-0.327 χ²/NDF: 1578467.3/19
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1471.810+/-0.328 χ²/NDF: 1891968.0/24
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1425.150+/-0.231 χ²/NDF: 3510924.3/44
In: 755.838+/-0.108 χ²/NDF:6846329.5/42
Out: 763.893+/-0.106 χ²/NDF:8442767.7/49
All: 759.949+/-0.076 χ²/NDF: 15291936.4/92



Right In: -1.458+/-33.019 χ^2/NDF: 20.2/19

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 65.141+/-33.074 χ^2/NDF: 25.7/24

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

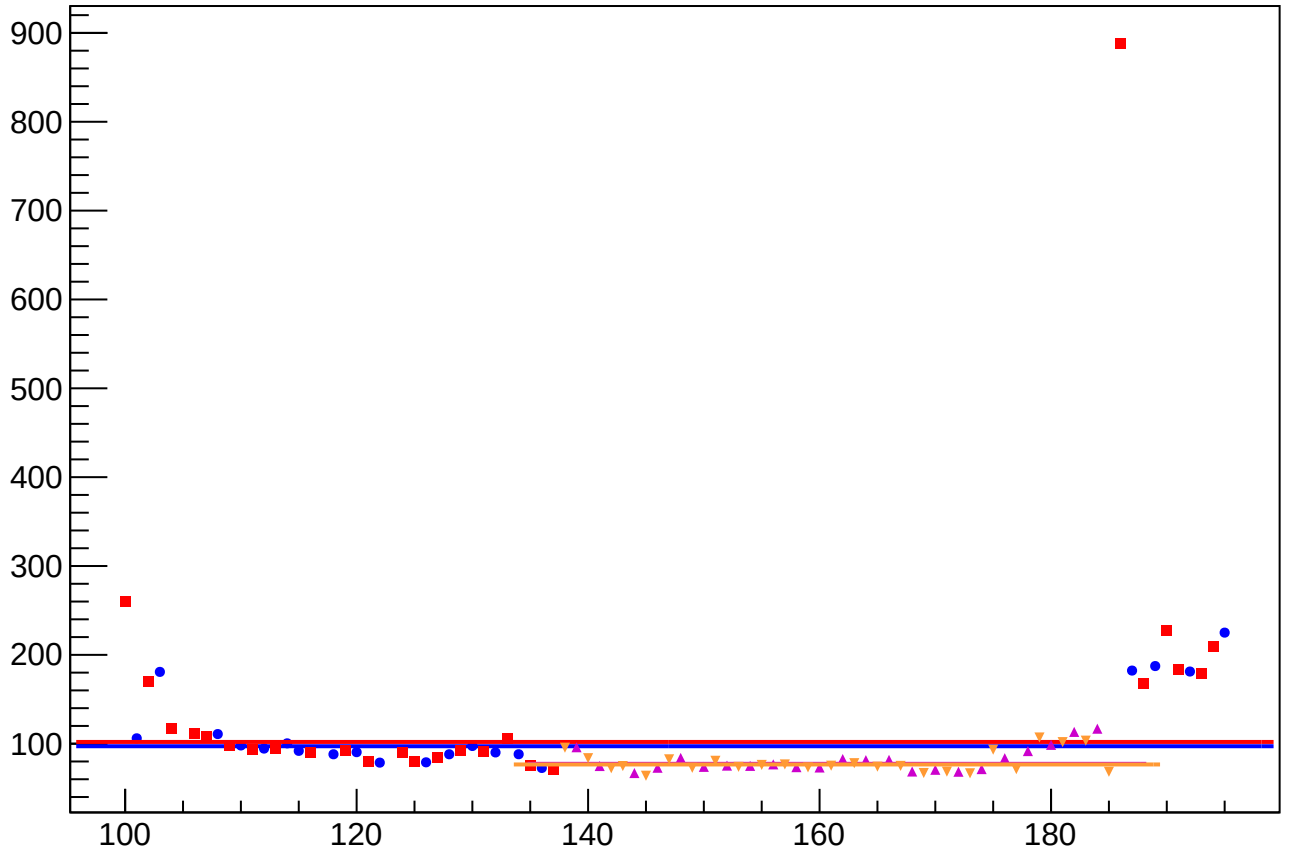
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 31.787+/-23.367 χ^2/NDF: 47.8/44

In: 52.129+/-16.018 χ^2/NDF:52.6/42

Out: 45.180+/-15.582 χ^2/NDF:58.1/49

All: 48.559+/-11.169 χ^2/NDF: 110.8/92



Right In: 97.155+/-0.023 χ^2/NDF: 1880208.0/19

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 101.991+/-0.023 χ^2/NDF: 2694416.7/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

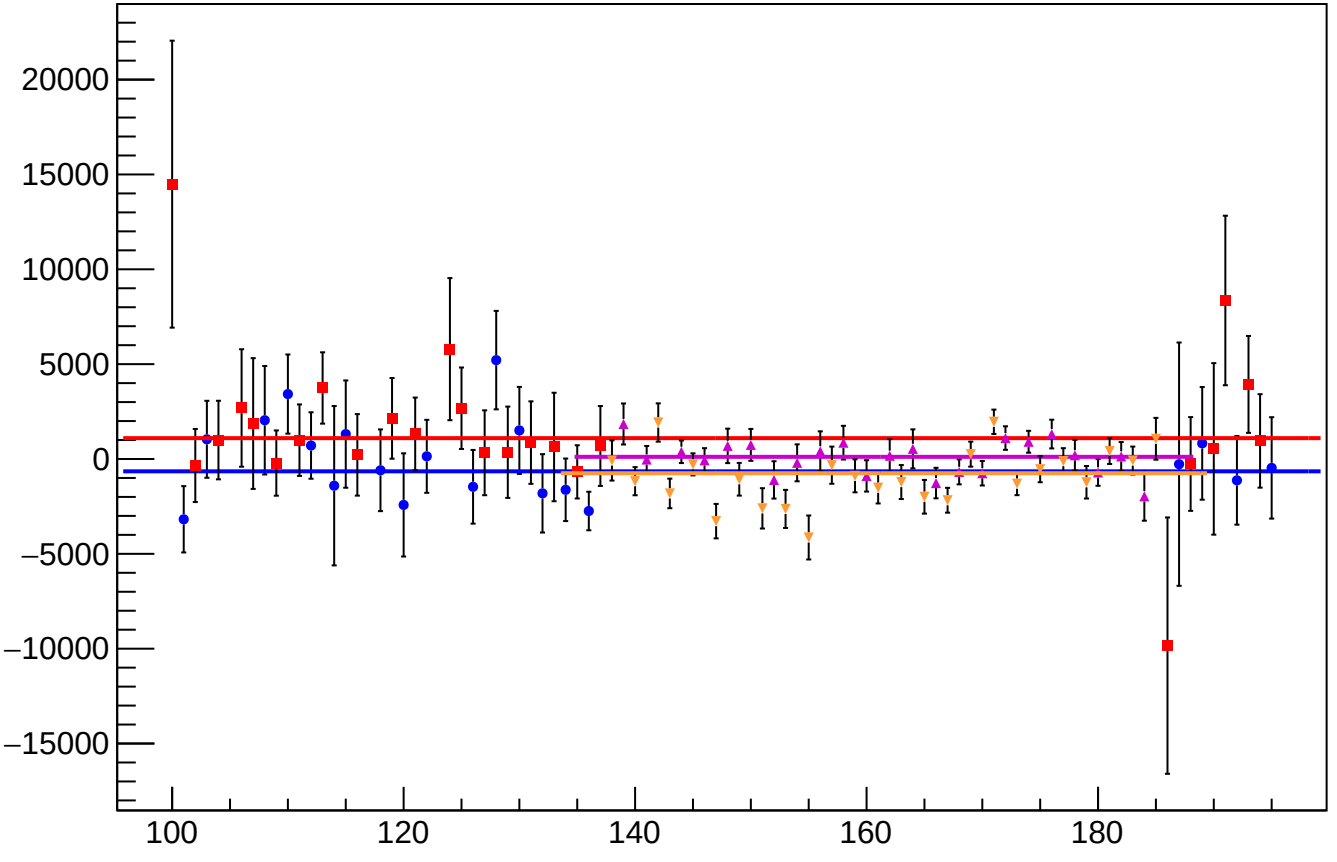
Right: 99.569+/-0.017 χ^2/NDF: 4596040.2/44

In: 82.009+/-0.011 χ^2/NDF:3020926.2/42

Out: 82.272+/-0.011 χ^2/NDF:4262784.2/49

All: 82.144+/-0.008 χ^2/NDF: 7283987.8/92

asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -650.193+/-461.950 χ^2/NDF: 20.6/19

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1099.343+/-463.703 χ^2/NDF: 17.8/24

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

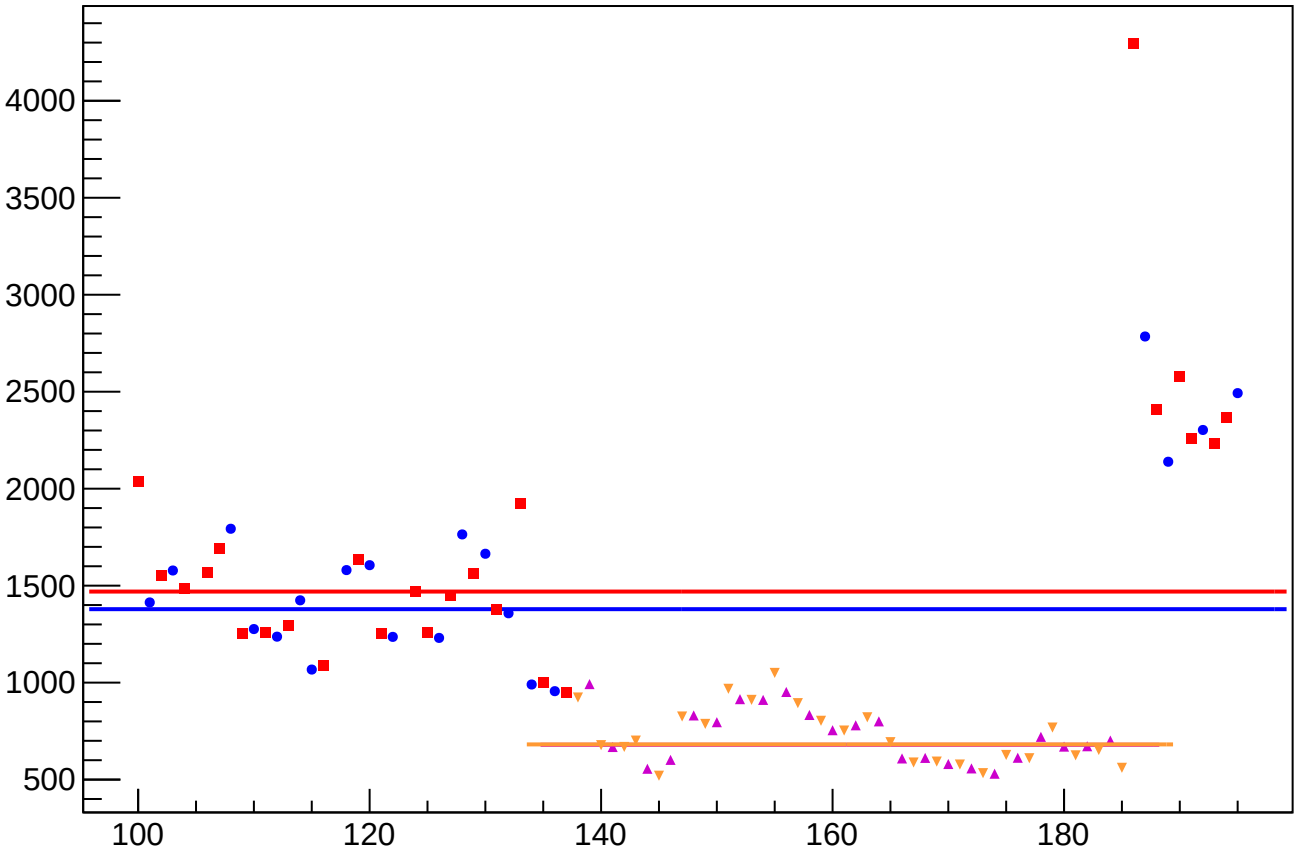
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 221.262+/-327.266 χ^2/NDF: 45.5/44

In: 30.307+/-152.712 χ^2/NDF:48.1/42

Out: -557.119+/-149.625 χ^2/NDF:102.0/49

All: -269.402+/-106.876 χ^2/NDF: 157.6/92



Right In: 1378.739+/-0.327 χ^2/NDF: 1578488.5/19

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1469.509+/-0.328 χ^2/NDF: 1886244.8/24

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

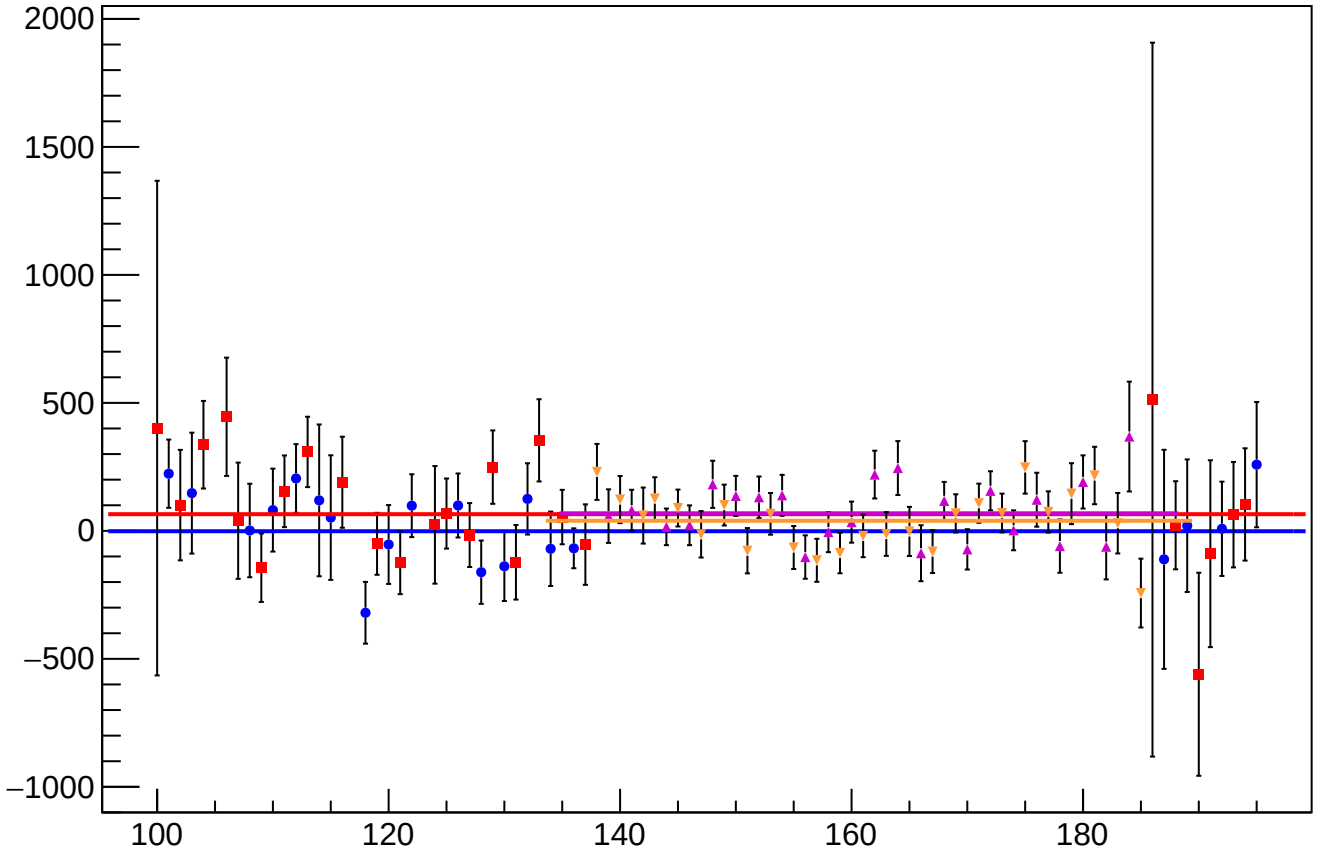
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1423.952+/-0.231 χ^2/NDF: 3503197.2/44

In: 755.839+/-0.108 χ^2/NDF:6846364.0/42

Out: 763.481+/-0.106 χ^2/NDF:8395868.3/49

All: 759.738+/-0.076 χ^2/NDF: 15244787.7/92



Right In: -1.458+/-33.019 χ^2/NDF: 20.2/19

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 65.141+/-33.074 χ^2/NDF: 25.7/24

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

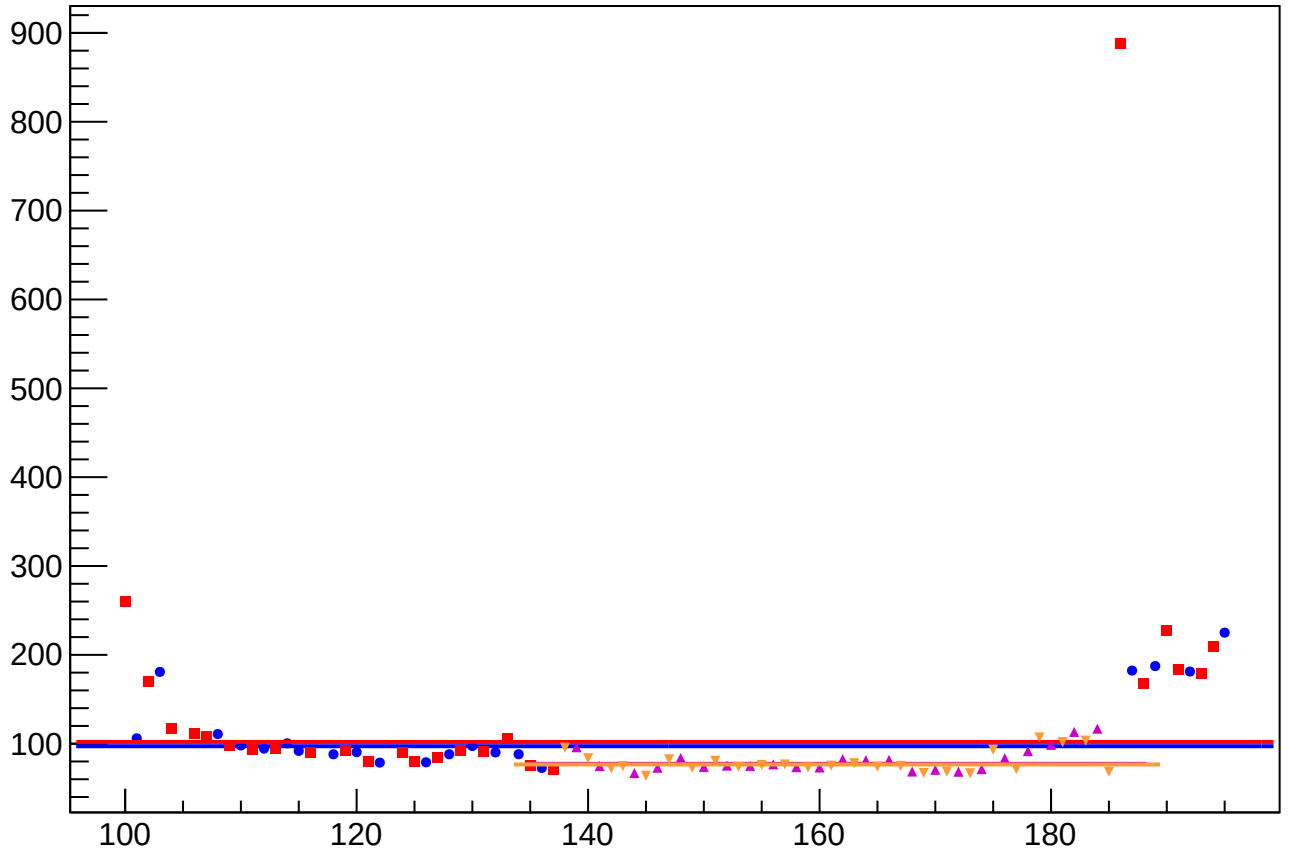
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 31.787+/-23.367 χ^2/NDF: 47.8/44

In: 52.129+/-16.018 χ^2/NDF:52.6/42

Out: 45.180+/-15.582 χ^2/NDF:58.1/49

All: 48.559+/-11.169 χ^2/NDF: 110.8/92



Right In: 97.155+/-0.023 χ^2/NDF: 1880208.0/19

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 101.991+/-0.023 χ^2/NDF: 2694416.7/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

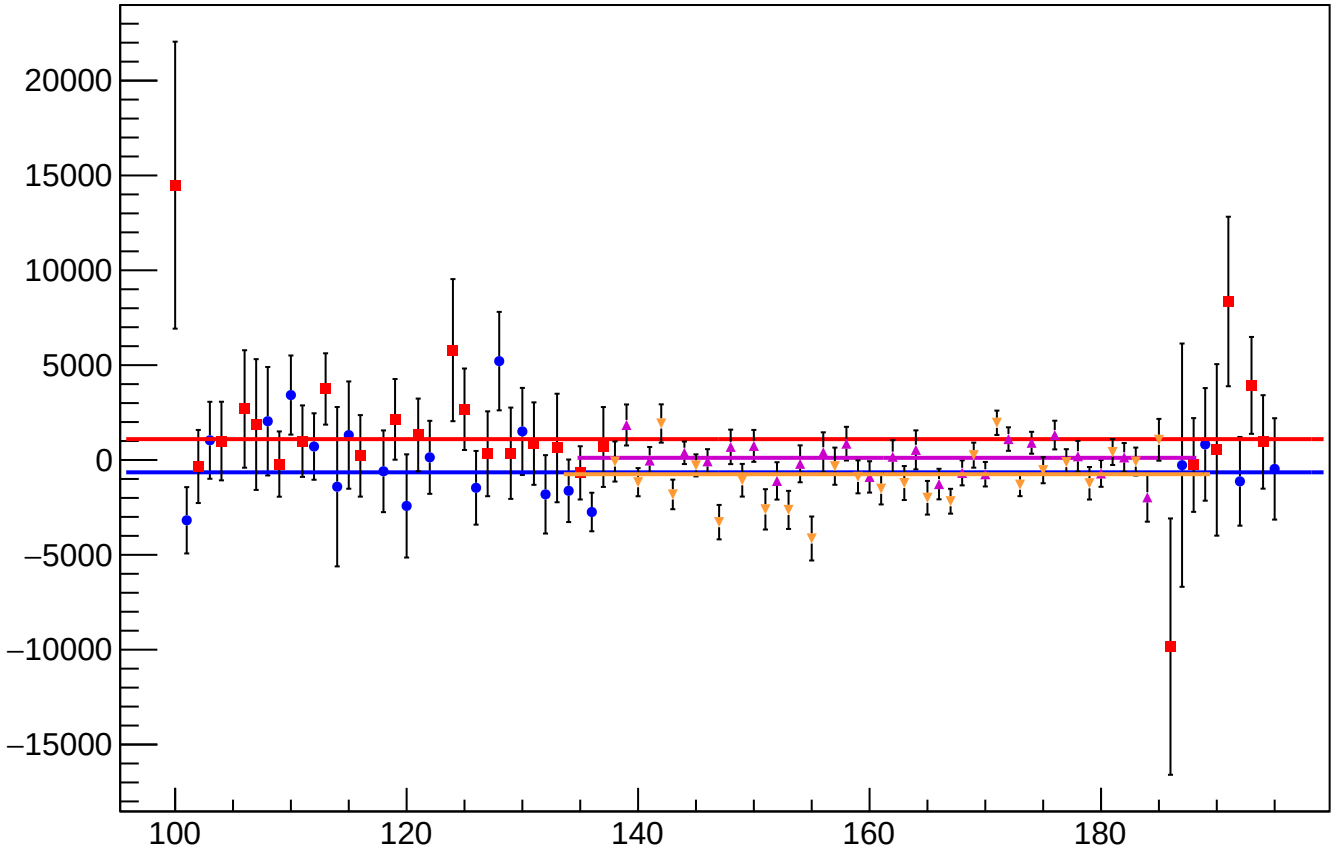
Right: 99.569+/-0.017 χ^2/NDF: 4596040.2/44

In: 82.009+/-0.011 χ^2/NDF:3020926.2/42

Out: 82.272+/-0.011 χ^2/NDF:4262784.2/49

All: 82.144+/-0.008 χ^2/NDF: 7283987.8/92

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -650.193+/-461.950 χ^2/NDF: 20.6/19

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1099.343+/-463.703 χ^2/NDF: 17.8/24

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

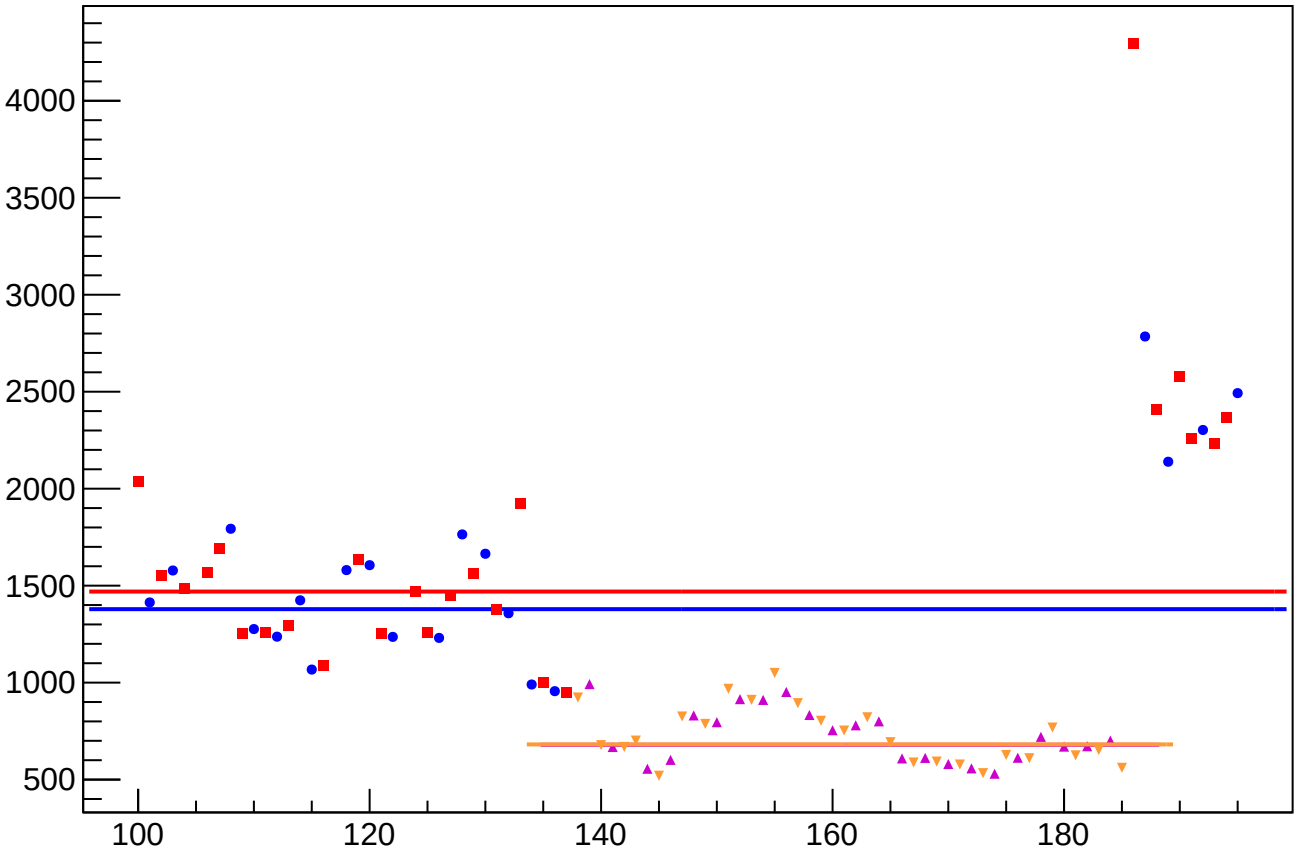
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 221.262+/-327.266 χ^2/NDF: 45.5/44

In: 30.307+/-152.712 χ^2/NDF:48.1/42

Out: -557.119+/-149.625 χ^2/NDF:102.0/49

All: -269.402+/-106.876 χ^2/NDF: 157.6/92



Right In: 1378.739+/-0.327 χ^2/NDF: 1578488.5/19

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1469.509+/-0.328 χ^2/NDF: 1886244.8/24

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

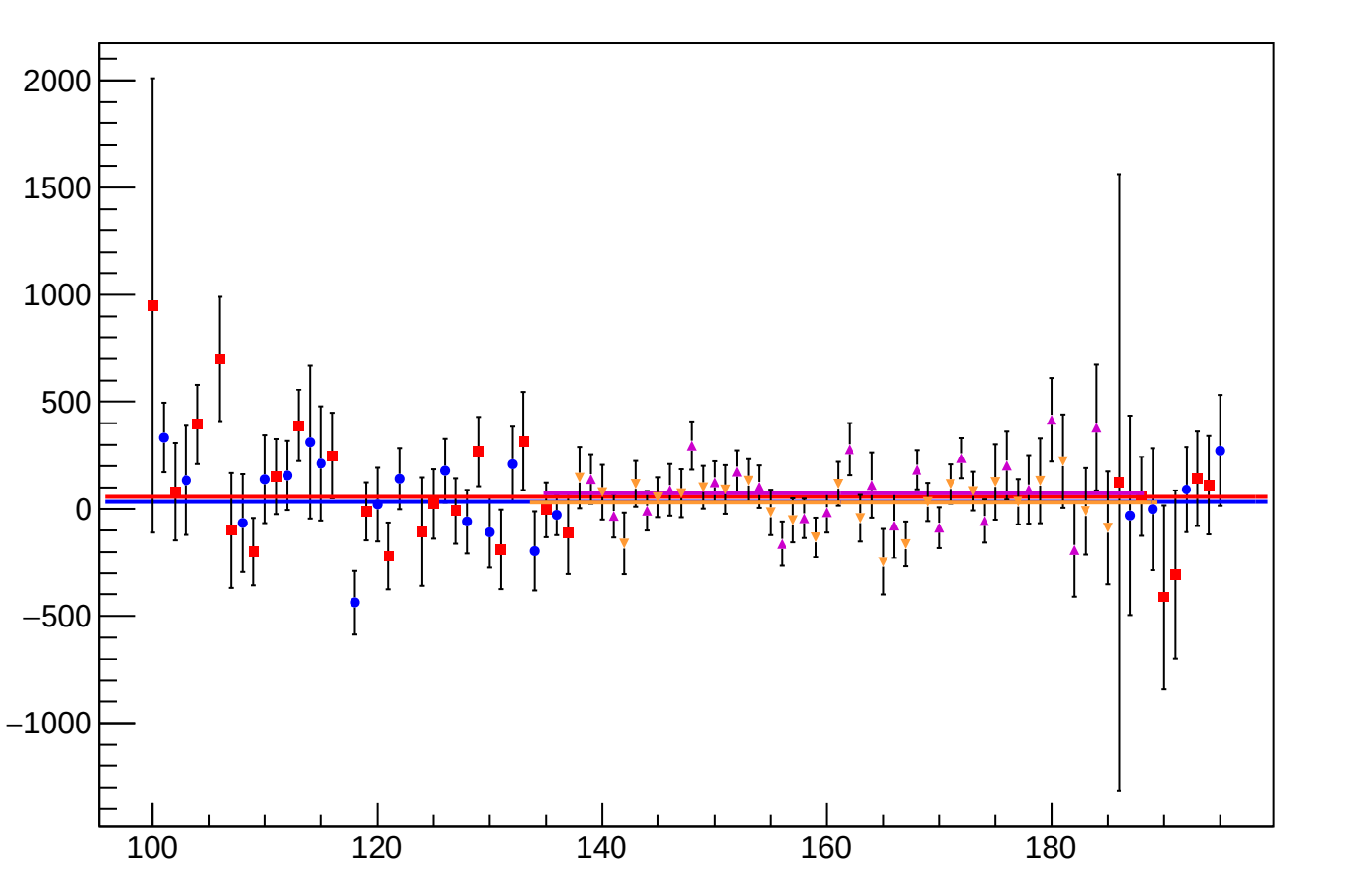
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1423.952+/-0.231 χ^2/NDF: 3503197.2/44

In: 755.839+/-0.108 χ^2/NDF:6846364.0/42

Out: 763.481+/-0.106 χ^2/NDF:8395868.3/49

All: 759.738+/-0.076 χ^2/NDF: 15244787.7/92



Right In: 33.602+/-39.346 χ^2/NDF: 22.4/19

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 56.604+/-38.884 χ^2/NDF: 29.3/24

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

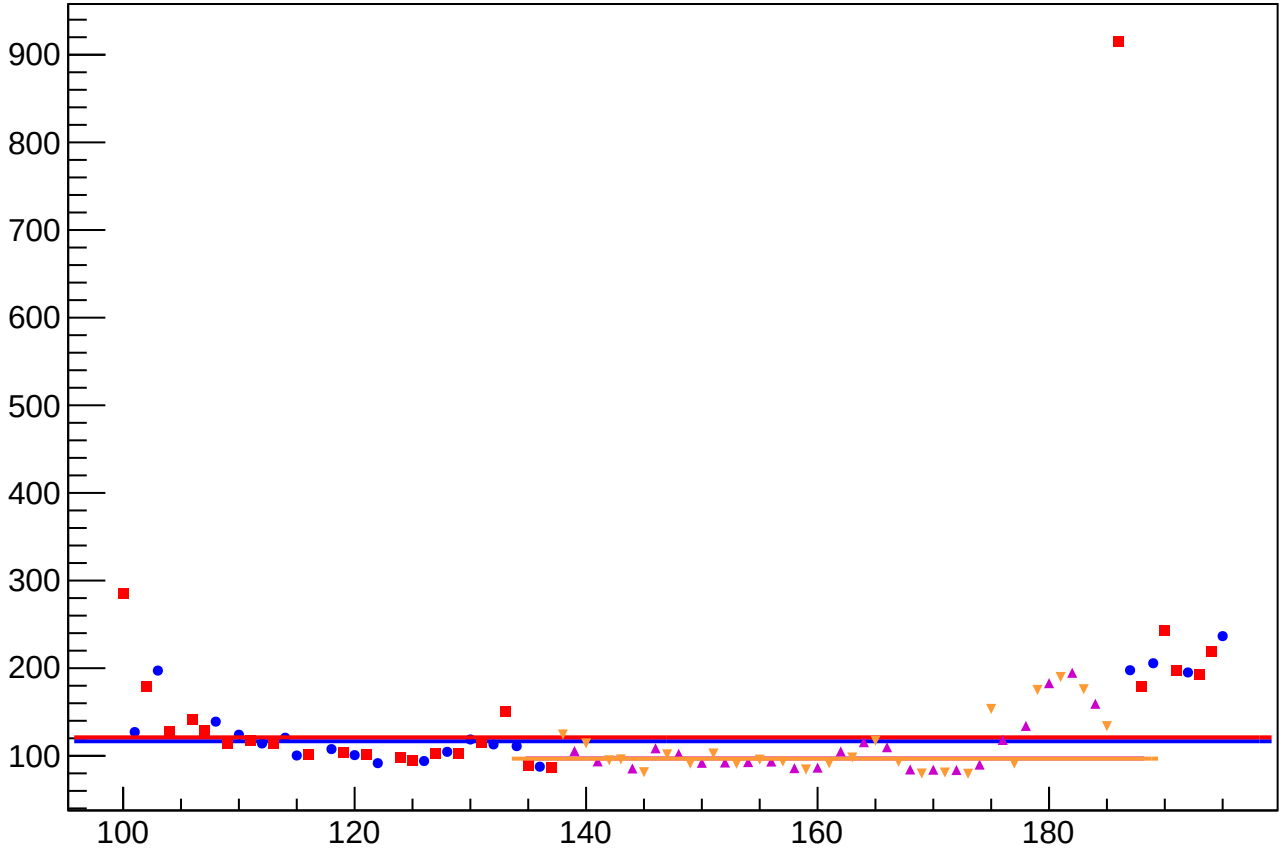
Right: 45.239+/-27.657 χ^2/NDF: 51.8/44

In: 62.743+/-20.182 χ^2/NDF:57.6/42

Out: 37.340+/-19.704 χ^2/NDF:49.5/49

All: 49.737+/-14.099 χ^2/NDF: 108.0/92

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 116.636+/-0.028 χ^2/NDF: 1580083.2/19

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 121.109+/-0.027 χ^2/NDF: 2264163.3/24

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

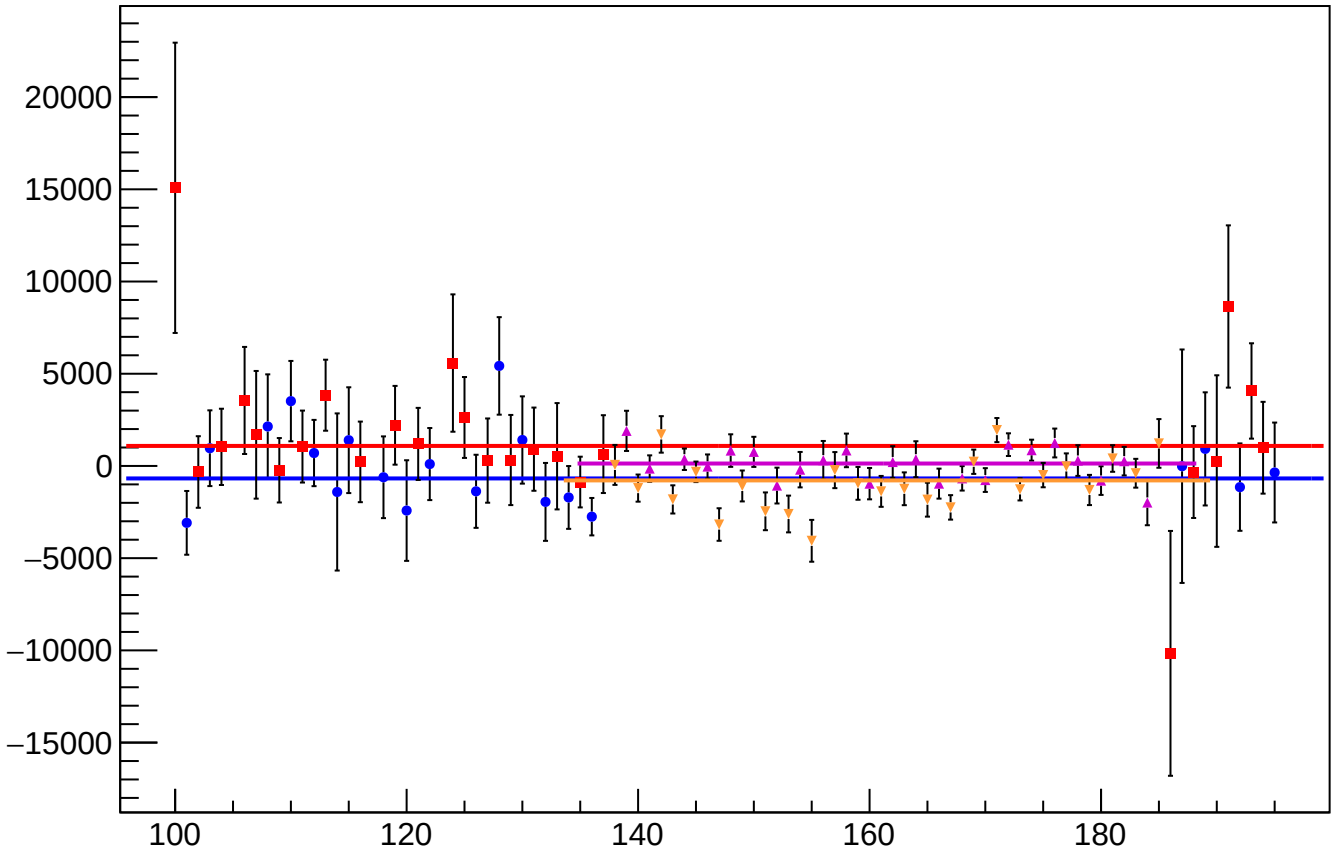
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 118.899+/-0.020 χ^2/NDF: 3857323.0/44

In: 102.178+/-0.014 χ^2/NDF:3267695.2/42

Out: 103.038+/-0.014 χ^2/NDF:4565782.9/49

All: 102.618+/-0.010 χ^2/NDF: 7835335.5/92



Right In: -677.164+/-468.501 χ^2/NDF: 20.4/19

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1085.676+/-467.725 χ^2/NDF: 19.3/24

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

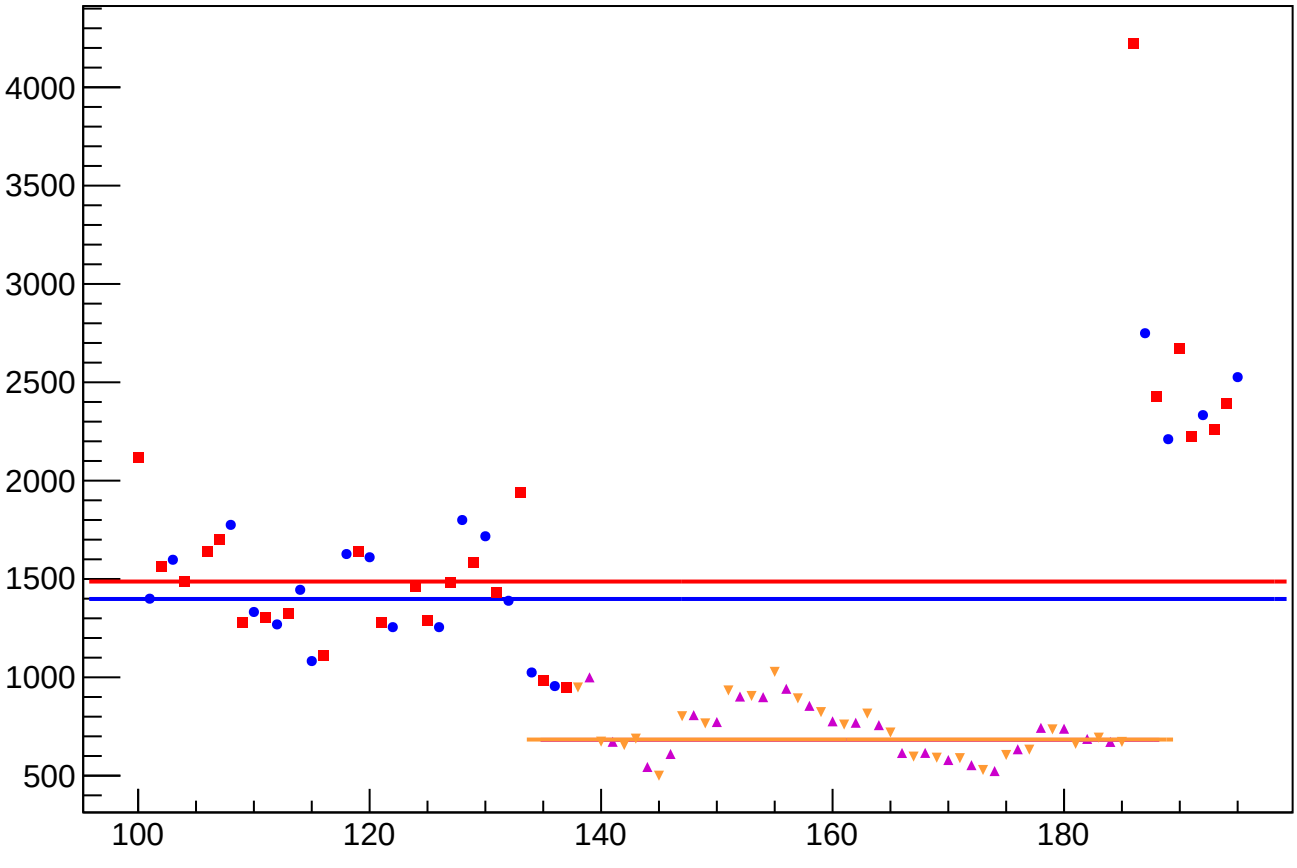
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 205.716+/-331.006 χ^2/NDF: 46.8/44

In: 44.640+/-153.451 χ^2/NDF:47.4/42

Out: -591.565+/-149.969 χ^2/NDF:100.0/49

All: -280.761+/-107.254 χ^2/NDF: 156.1/92



Right In: 1398.379+/-0.331 χ^2/NDF: 1595089.1/19

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1487.011+/-0.331 χ^2/NDF: 1907344.8/24

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

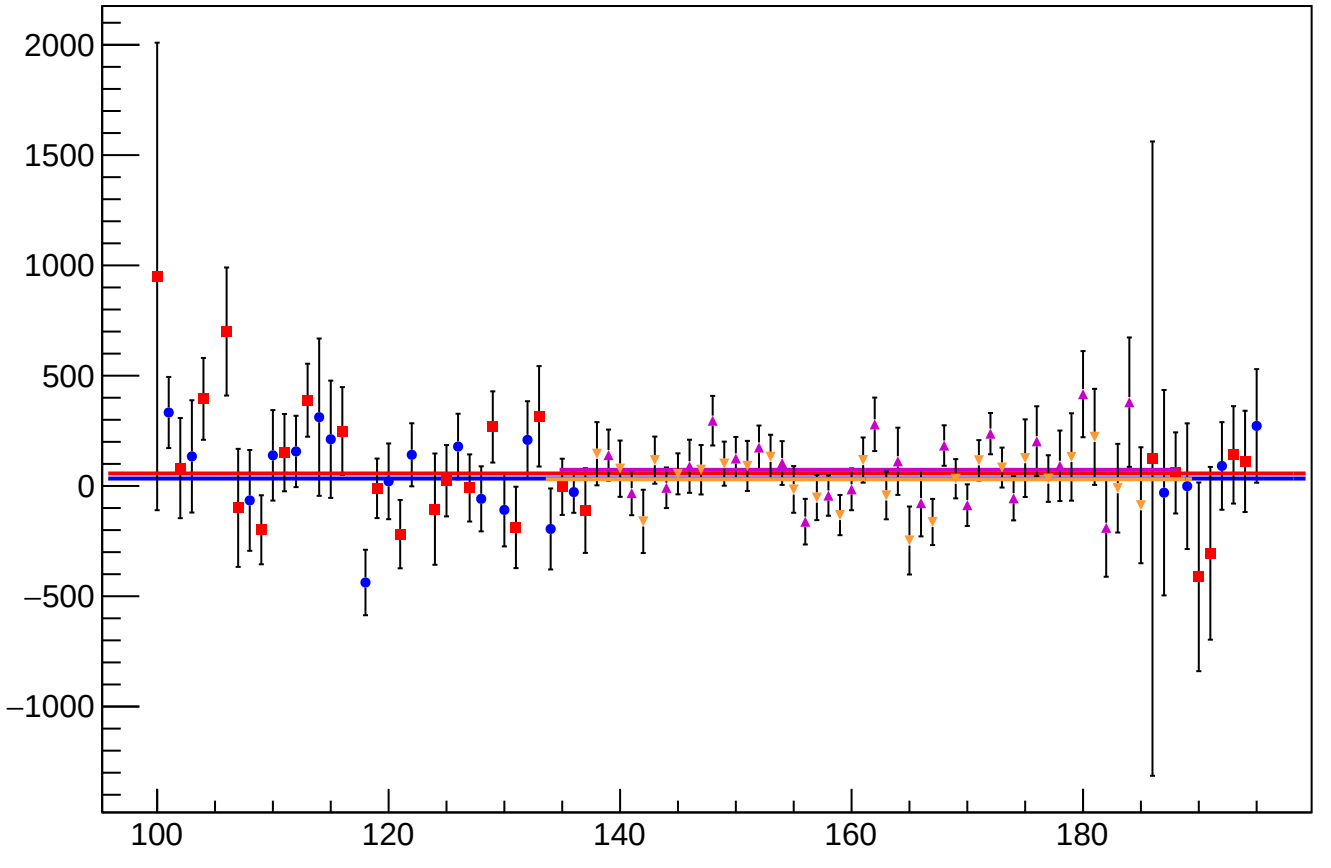
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1442.768+/-0.234 χ^2/NDF: 3538282.6/44

In: 758.818+/-0.109 χ^2/NDF:6956230.3/42

Out: 766.284+/-0.106 χ^2/NDF:8498329.0/49

All: 762.637+/-0.076 χ^2/NDF: 15456980.6/92



Right In: 33.602+/-39.346 χ^2/NDF: 22.4/19

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 56.603+/-38.884 χ^2/NDF: 29.3/24

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

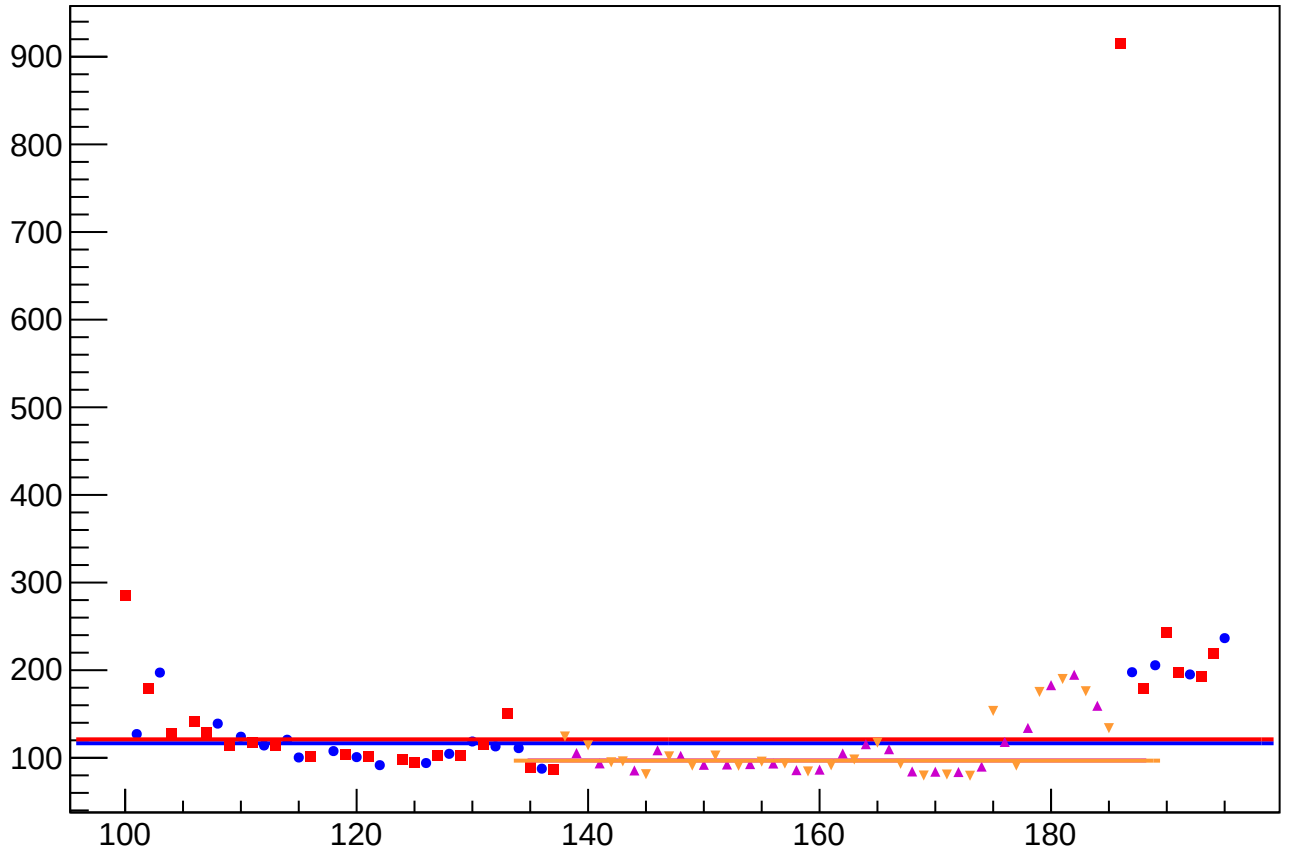
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 45.238+/-27.657 χ^2/NDF: 51.8/44

In: 62.742+/-20.182 χ^2/NDF:57.6/42

Out: 37.340+/-19.704 χ^2/NDF:49.5/49

All: 49.737+/-14.099 χ^2/NDF: 108.0/92



Right In: 116.635+/-0.028 χ^2/NDF: 1580083.7/19

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 121.108+/-0.027 χ^2/NDF: 2264174.7/24

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

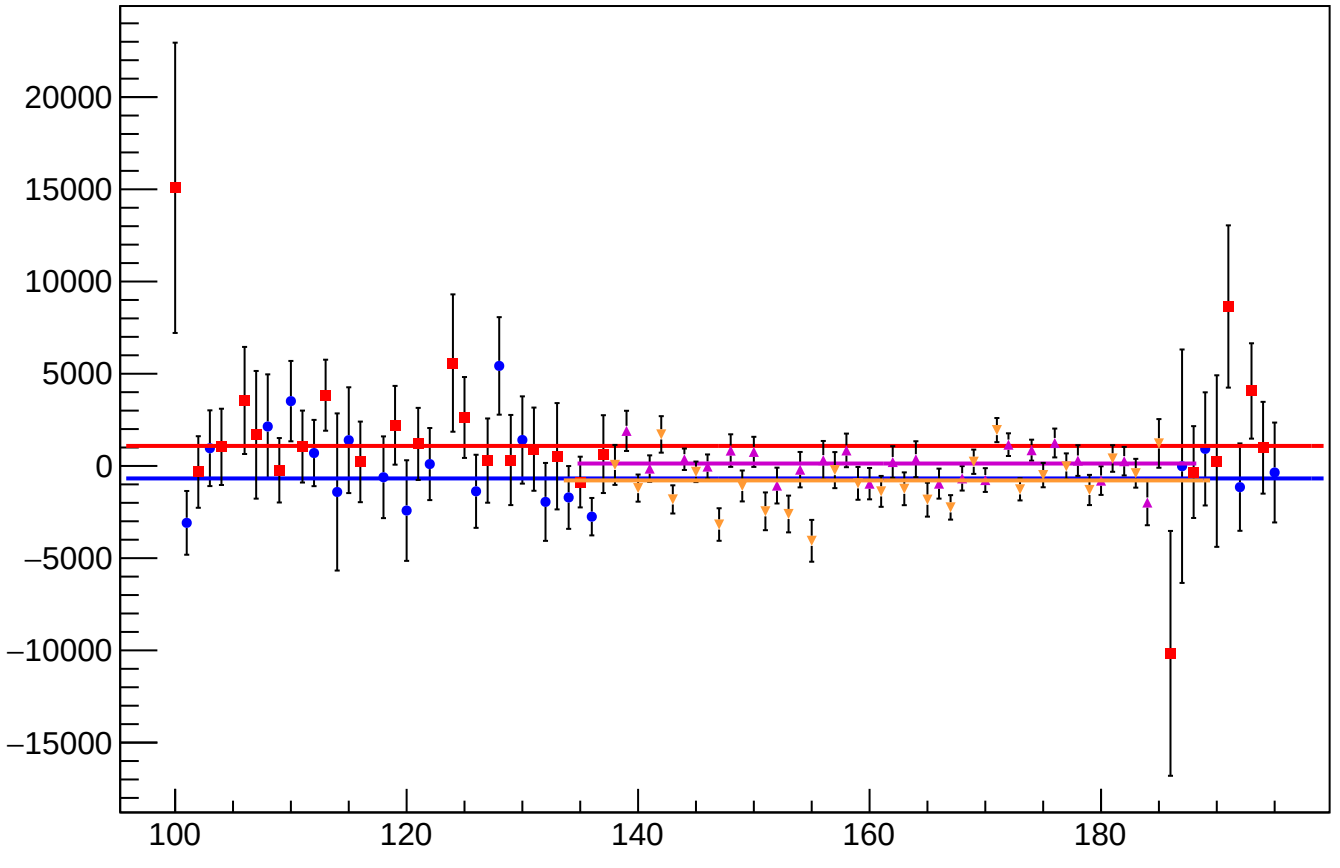
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 118.898+/-0.020 χ^2/NDF: 3857335.7/44

In: 102.178+/-0.014 χ^2/NDF:3267641.0/42

Out: 103.038+/-0.014 χ^2/NDF:4565751.3/49

All: 102.619+/-0.010 χ^2/NDF: 7835249.9/92



Right In: -677.159+/-468.500 χ^2/NDF: 20.4/19

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1085.675+/-467.724 χ^2/NDF: 19.3/24

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

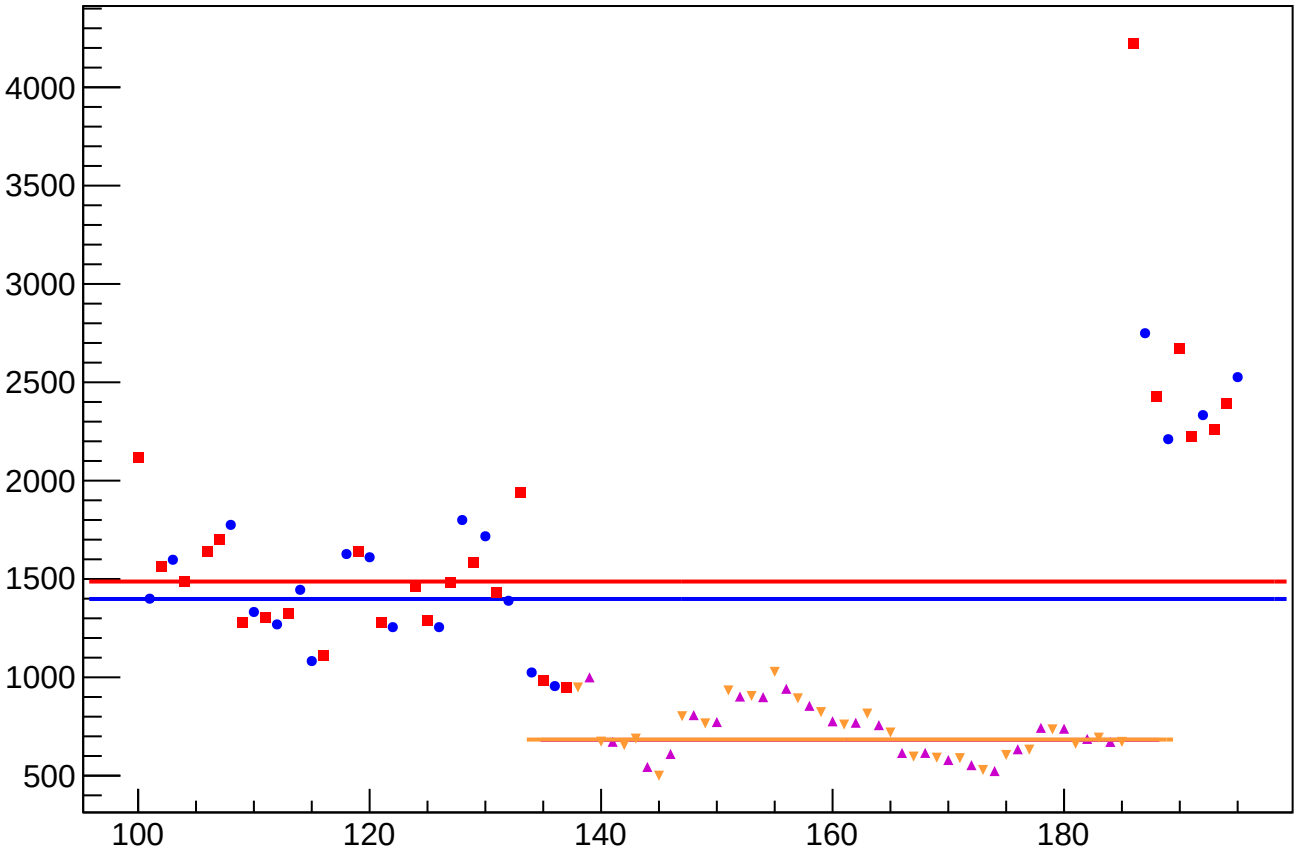
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: 205.718+/-331.005 χ^2/NDF: 46.8/44

In: 44.640+/-153.450 χ^2/NDF:47.4/42

Out: -591.563+/-149.969 χ^2/NDF:100.0/49

All: -280.760+/-107.254 χ^2/NDF: 156.1/92



Right In: 1398.376+/-0.331 χ^2/NDF: 1595090.6/19

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1487.007+/-0.331 χ^2/NDF: 1907347.9/24

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

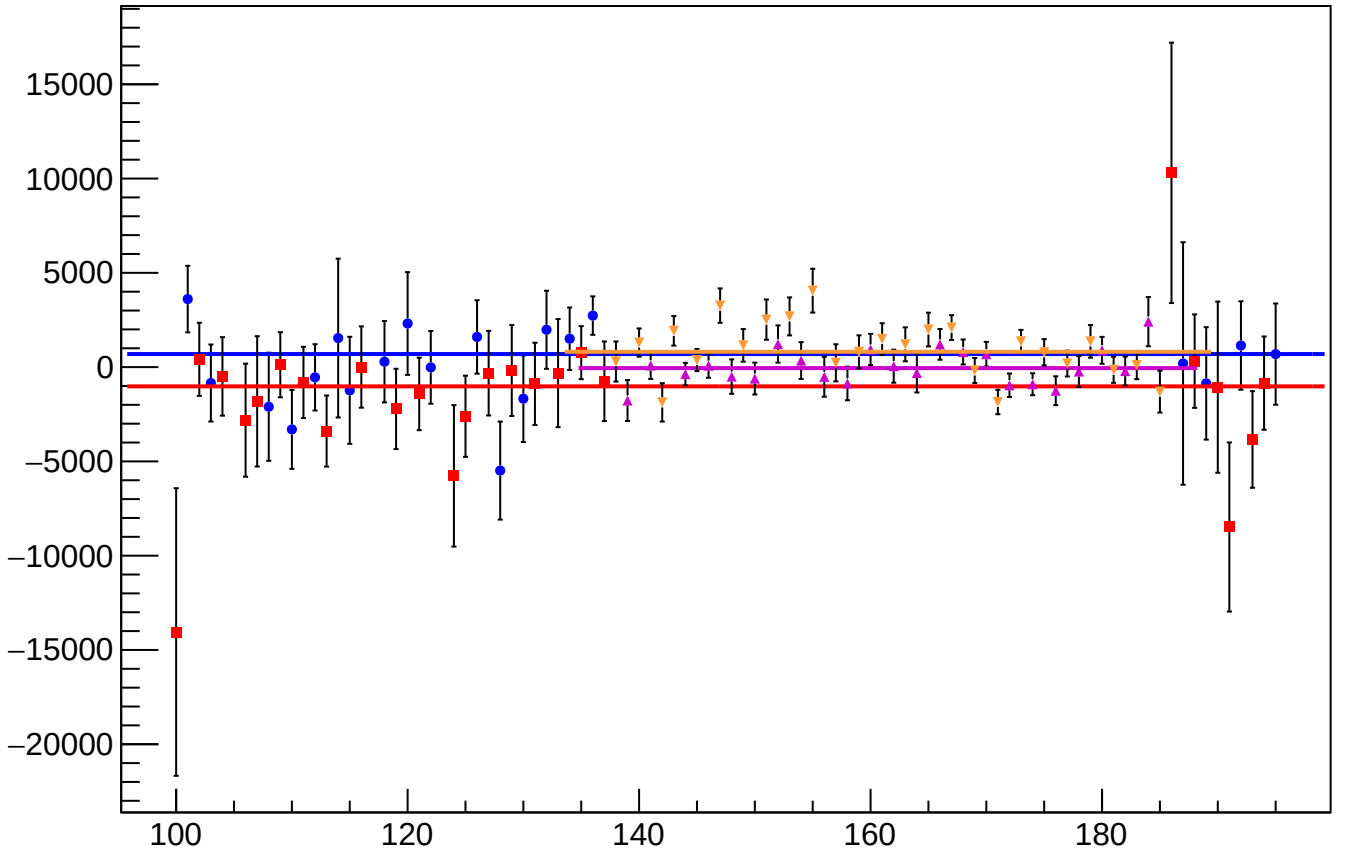
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1442.765+/-0.234 χ^2/NDF: 3538287.0/44

In: 758.817+/-0.109 χ^2/NDF:6956233.2/42

Out: 766.282+/-0.106 χ^2/NDF:8498336.7/49

All: 762.635+/-0.076 χ^2/NDF: 15456991.1/92



Right In: 692.580+/-463.627 χ^2/NDF: 21.3/19

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1021.138+/-464.790 χ^2/NDF: 17.6/24

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

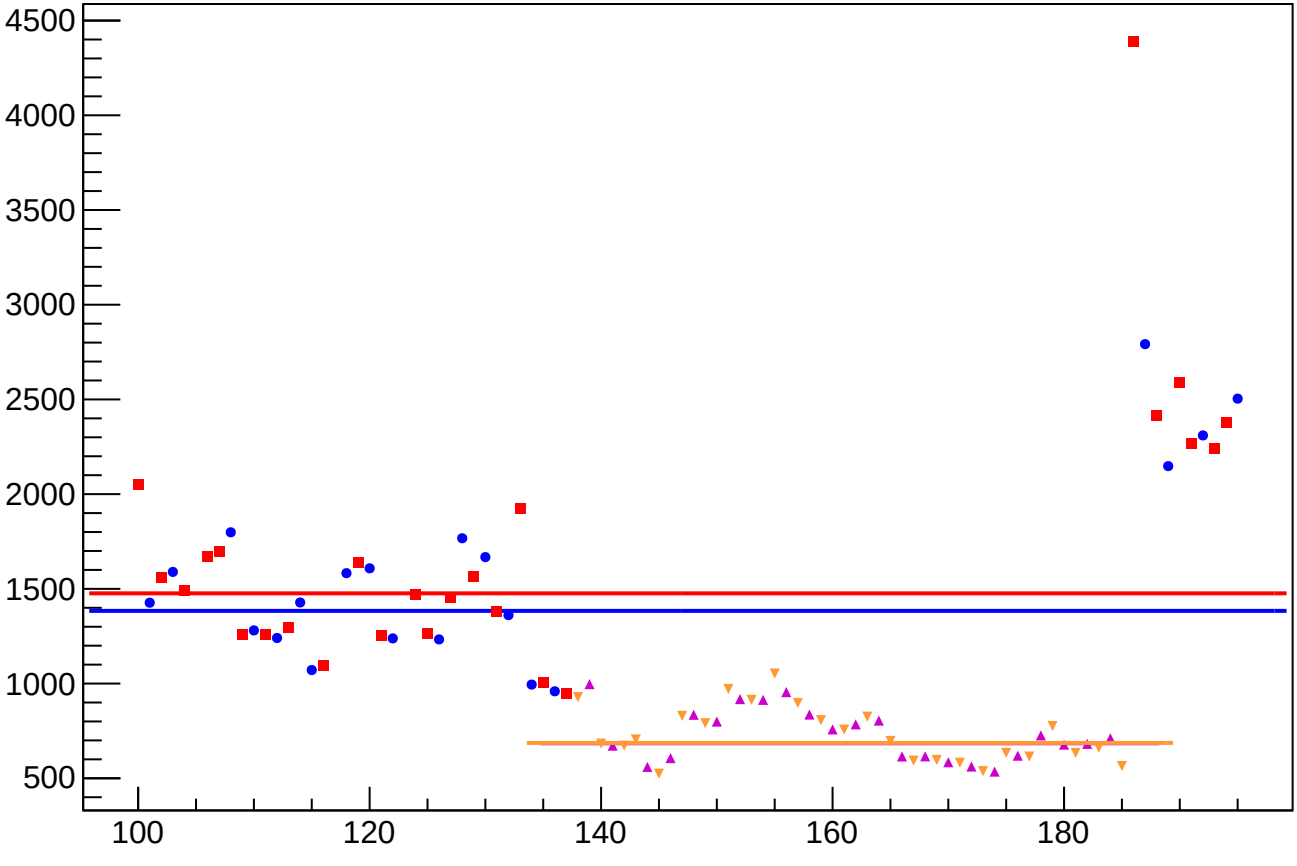
Right: -162.131+/-328.244 χ^2/NDF: 45.7/44

In: 29.684+/-153.803 χ^2/NDF:49.0/42

Out: 621.247+/-150.658 χ^2/NDF:97.3/49

All: 331.577+/-107.626 χ^2/NDF: 153.8/92

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1383.772+/-0.328 χ^2/NDF: 1578965.4/19

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1476.348+/-0.329 χ^2/NDF: 1901356.5/24

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

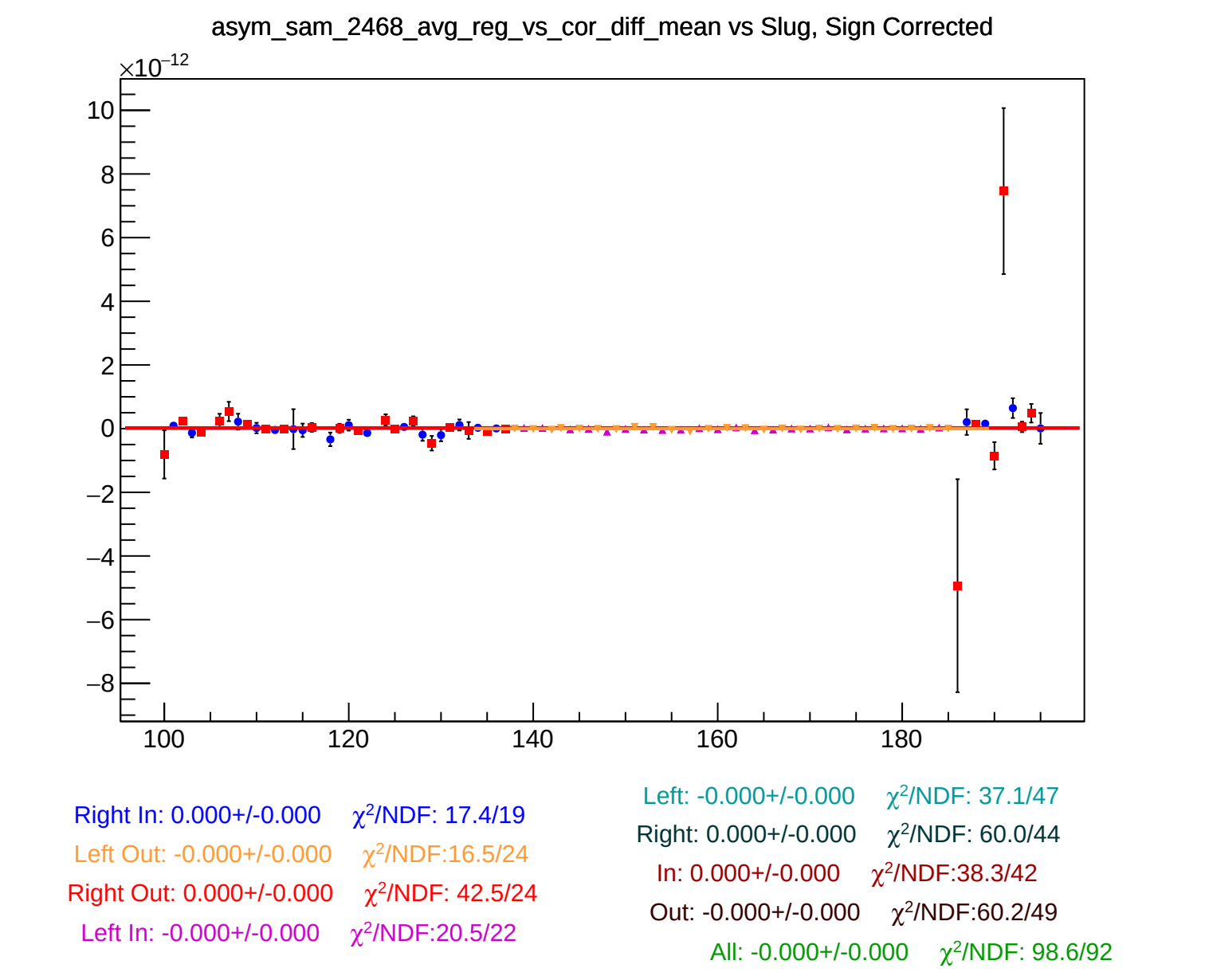
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

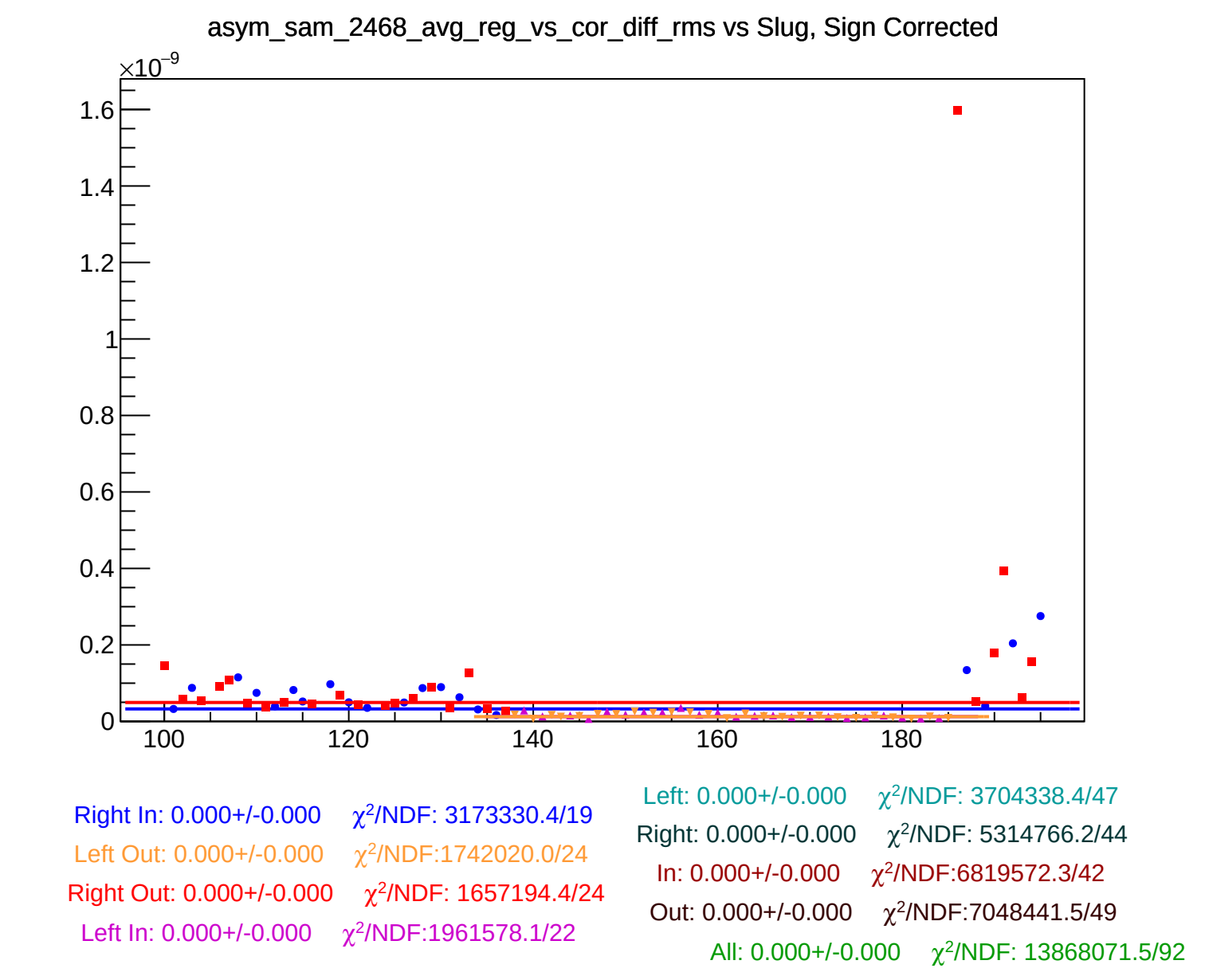
Right: 1429.944+/-0.232 χ^2/NDF: 3520092.8/44

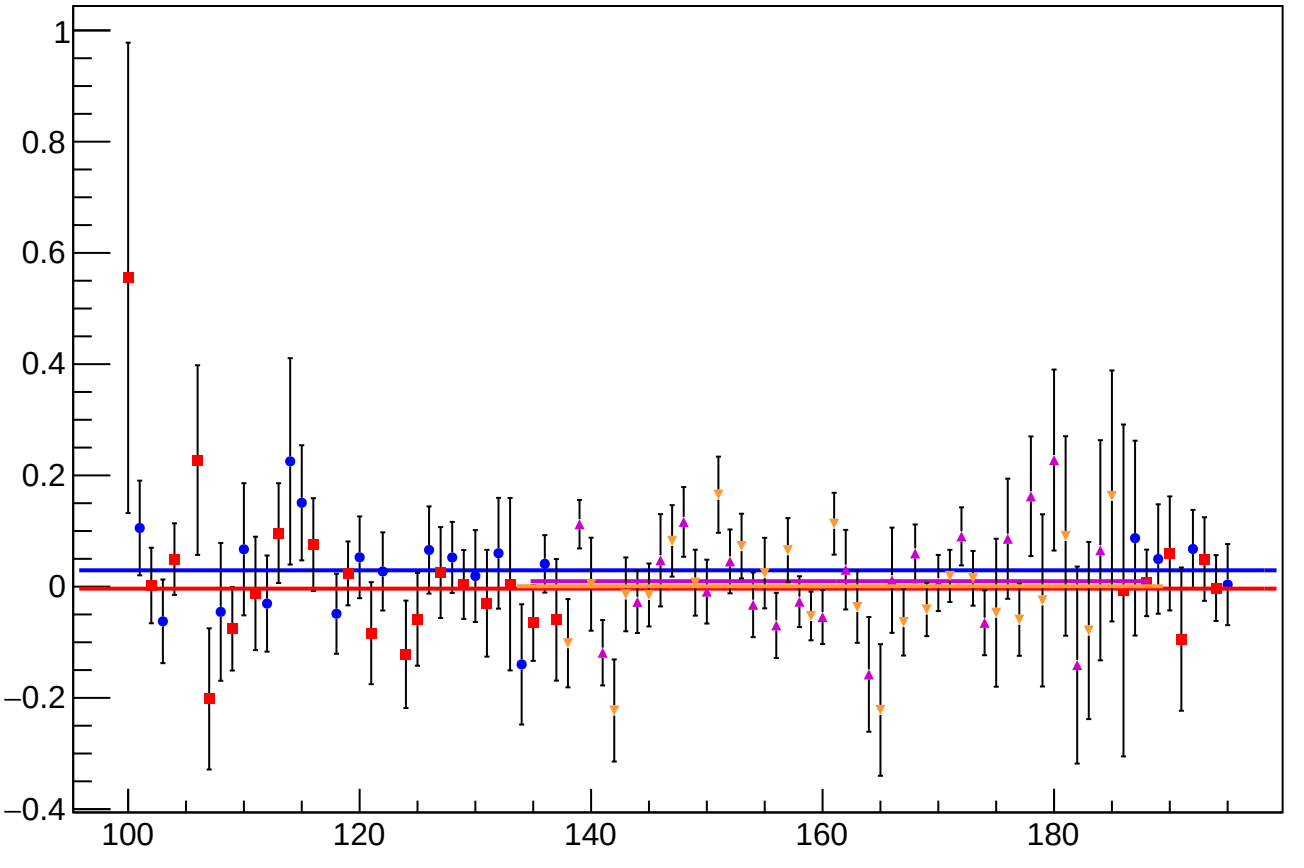
In: 761.690+/-0.109 χ^2/NDF:6790146.9/42

Out: 769.666+/-0.107 χ^2/NDF:8379811.7/49

All: 765.760+/-0.076 χ^2/NDF: 15172703.6/92


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
Right In: 0.000+/-0.000 χ²/NDF: 17.4/19
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.5/24
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: 60.0/44
In: 0.000+/-0.000 χ²/NDF:38.3/42
Out: -0.000+/-0.000 χ²/NDF:60.2/49
All: -0.000+/-0.000 χ²/NDF: 98.6/92


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3173330.4/19
Left Out: 0.000+/-0.000 χ²/NDF:1742020.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1657194.4/24
Left In: 0.000+/-0.000 χ²/NDF:1961578.1/22
Left: 0.000+/-0.000 χ²/NDF: 3704338.4/47
Right: 0.000+/-0.000 χ²/NDF: 5314766.2/44
In: 0.000+/-0.000 χ²/NDF:6819572.3/42
Out: 0.000+/-0.000 χ²/NDF:7048441.5/49
All: 0.000+/-0.000 χ²/NDF: 13868071.5/92



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

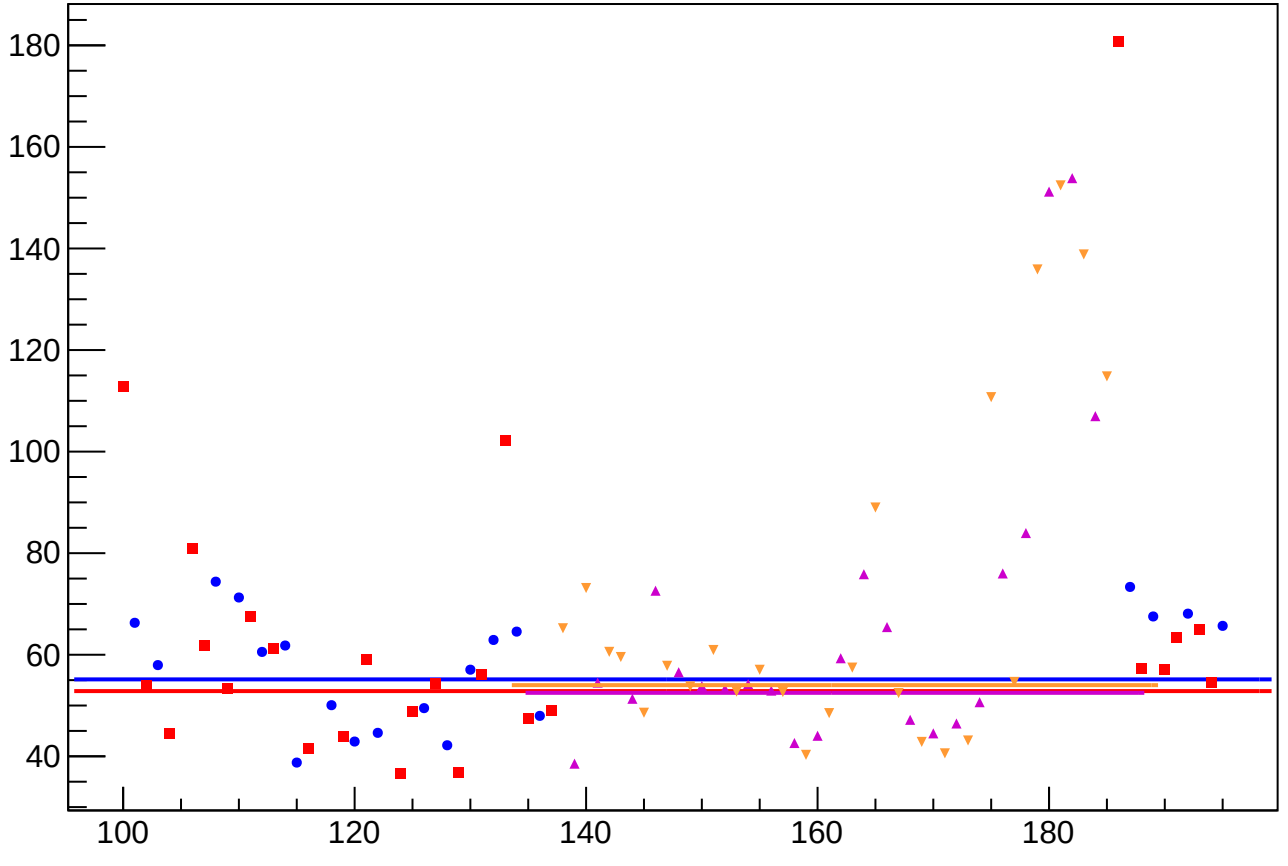
Right: 0.011+/-0.012 χ^2/NDF: 27.7/44

In: 0.016+/-0.011 χ^2/NDF:43.2/42

Out: -0.001+/-0.010 χ^2/NDF:47.1/49

All: 0.007+/-0.007 χ^2/NDF: 91.7/92

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.148+/-0.013 χ^2/NDF: 616072.2/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 52.842+/-0.012 χ^2/NDF: 1157246.2/24

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

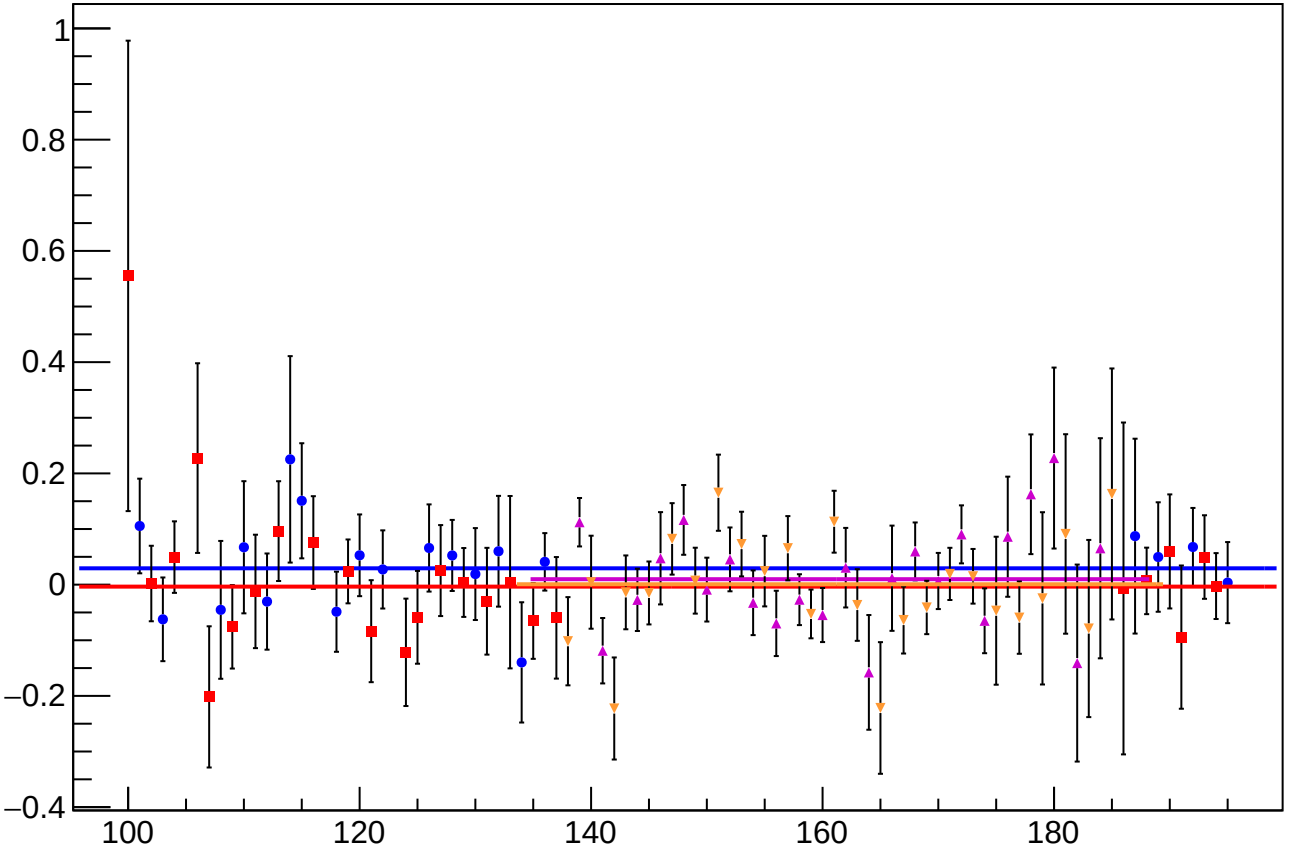
Right: 53.886+/-0.009 χ^2/NDF: 1790374.1/44

In: 53.398+/-0.008 χ^2/NDF:3200970.7/42

Out: 53.565+/-0.007 χ^2/NDF:4390800.6/49

All: 53.484+/-0.005 χ^2/NDF: 7592020.7/92

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

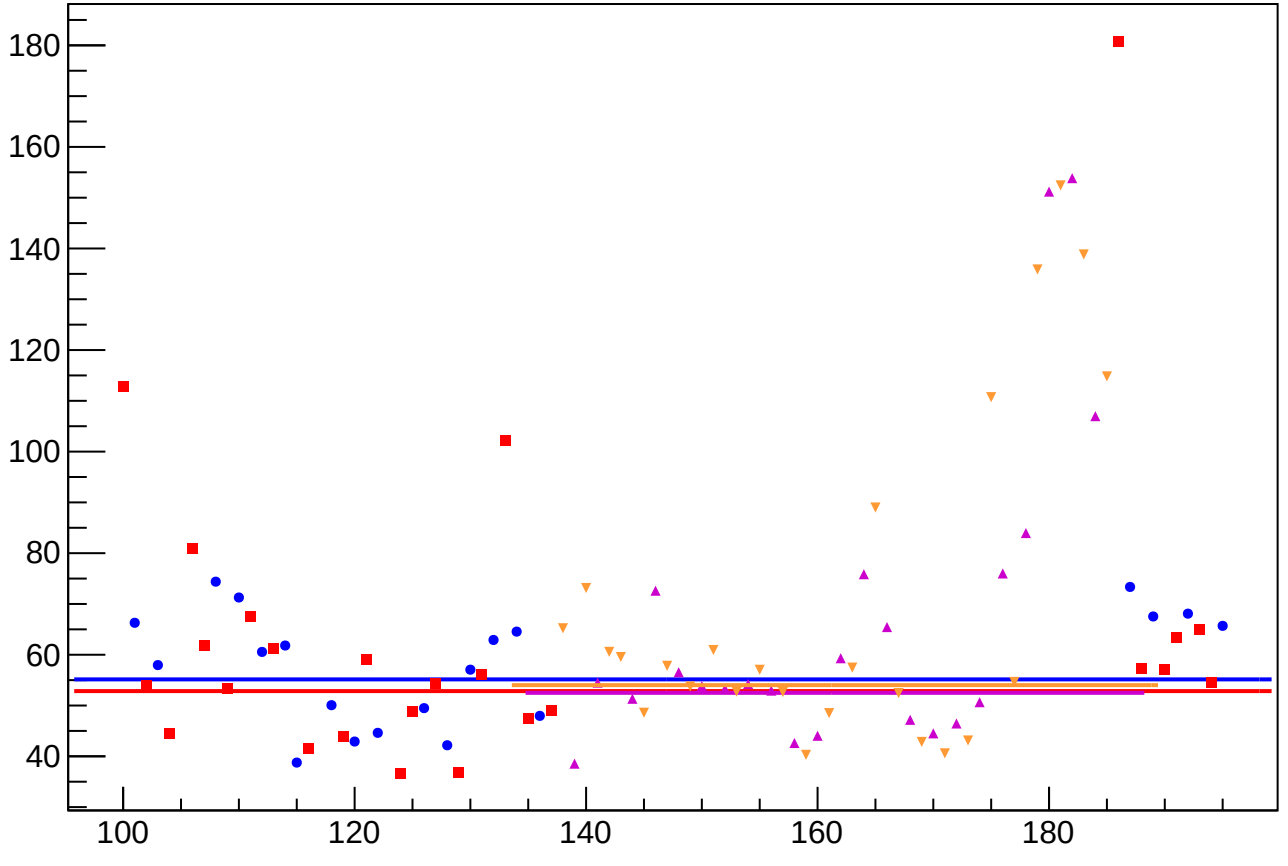
Right: 0.011+/-0.012 χ^2/NDF: 27.7/44

In: 0.016+/-0.011 χ^2/NDF:43.2/42

Out: -0.001+/-0.010 χ^2/NDF:47.1/49

All: 0.007+/-0.007 χ^2/NDF: 91.7/92

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.148+/-0.013 χ^2/NDF: 616072.2/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 52.842+/-0.012 χ^2/NDF: 1157246.2/24

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

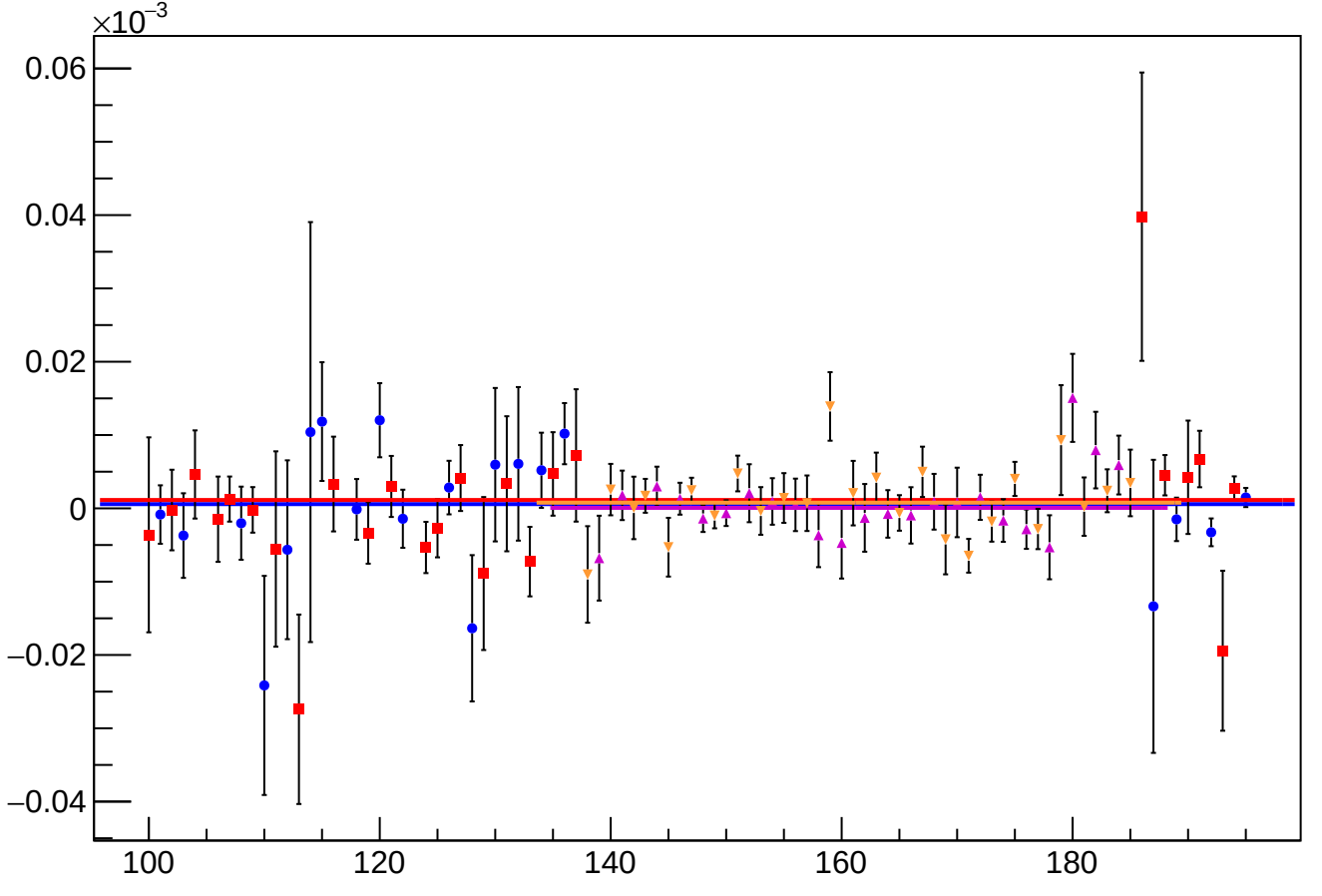
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 53.886+/-0.009 χ^2/NDF: 1790374.1/44

In: 53.398+/-0.008 χ^2/NDF:3200970.7/42

Out: 53.565+/-0.007 χ^2/NDF:4390800.6/49

All: 53.484+/-0.005 χ^2/NDF: 7592020.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/24

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

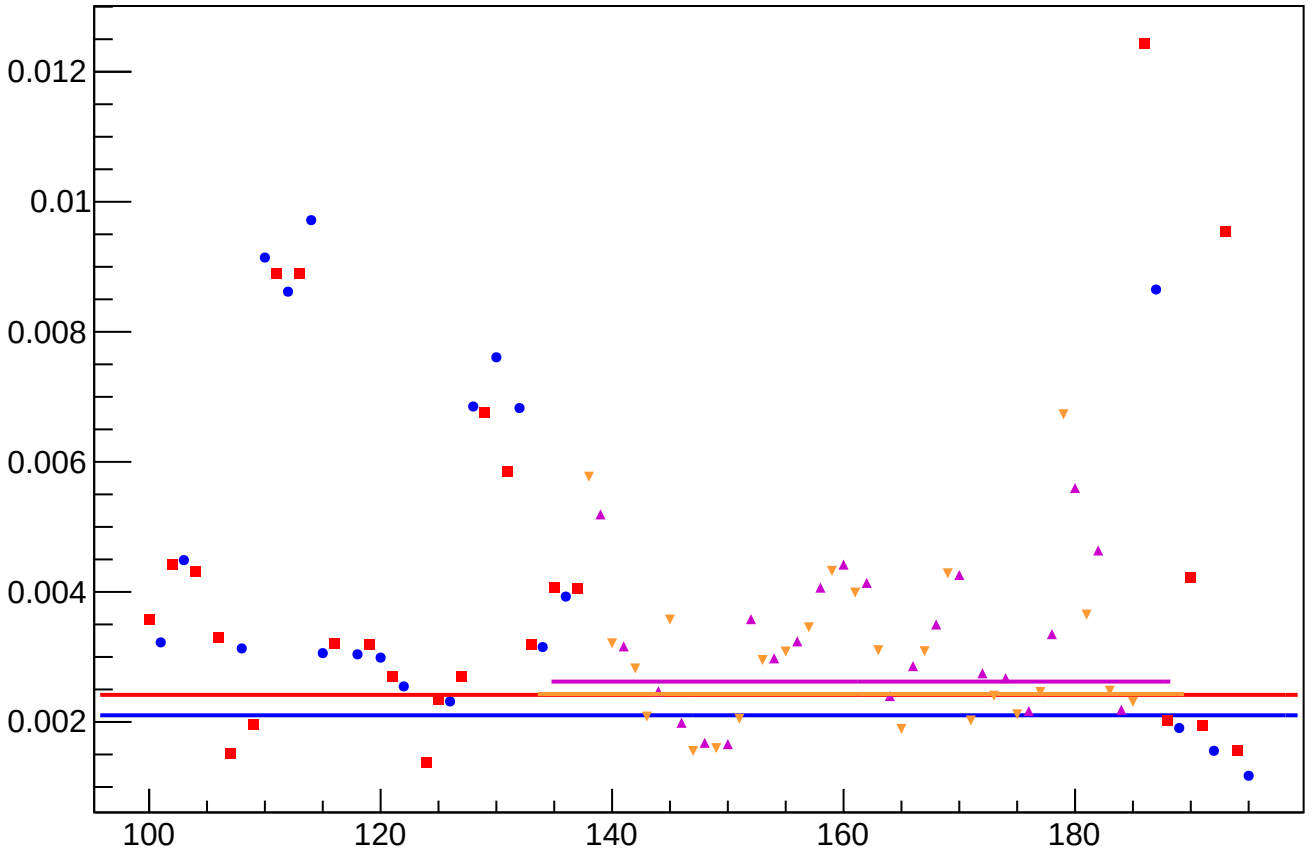
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 56.5/44

In: 0.000+/-0.000 χ^2/NDF:47.4/42

Out: 0.000+/-0.000 χ^2/NDF:67.5/49

All: 0.000+/-0.000 χ^2/NDF: 115.7/92



Right In: 0.002+/-0.000 χ^2/NDF: 5248061.6/19

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5000789.3/24

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

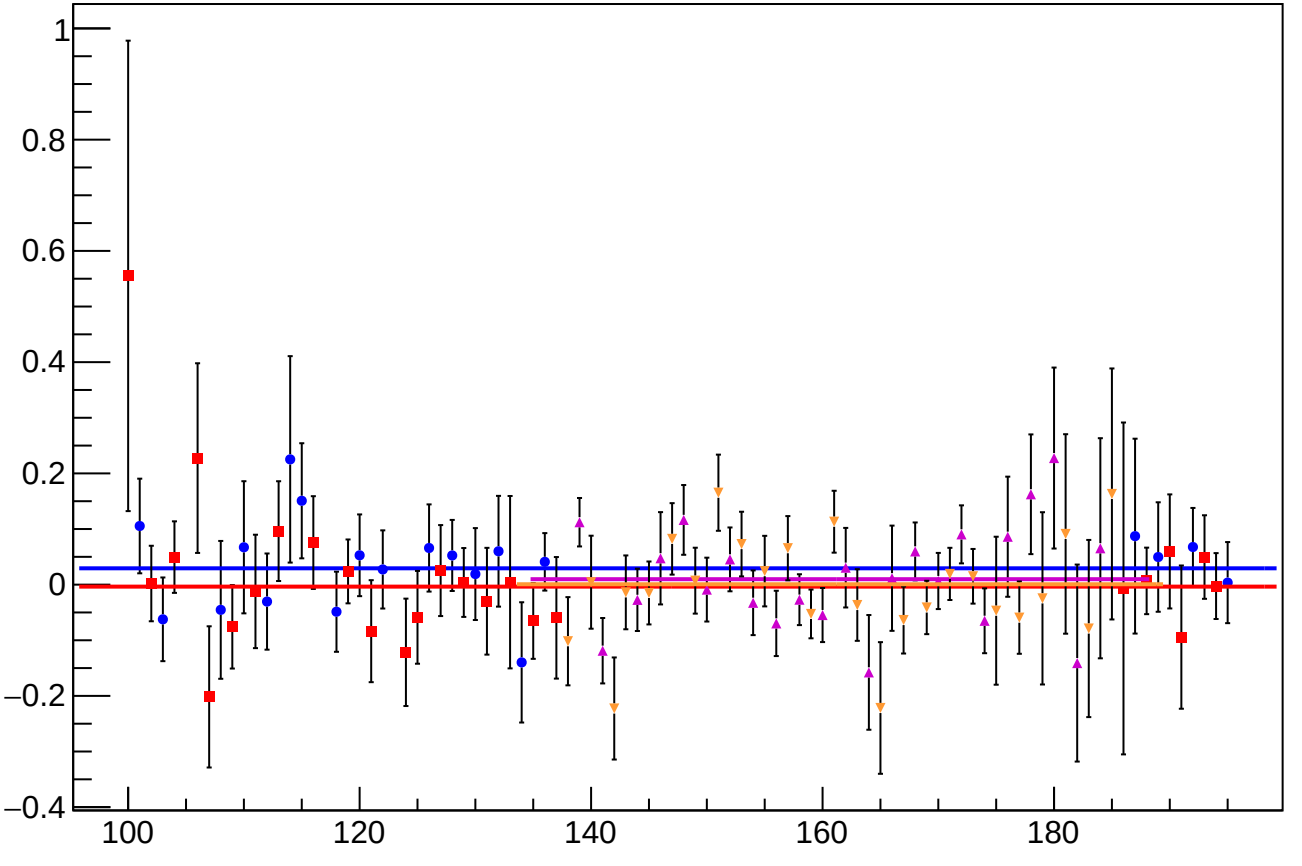
Right: 0.002+/-0.000 χ^2/NDF: 10388784.3/44

In: 0.002+/-0.000 χ^2/NDF:9691077.4/42

Out: 0.002+/-0.000 χ^2/NDF:9219460.2/49

All: 0.002+/-0.000 χ^2/NDF: 18910912.2/92

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

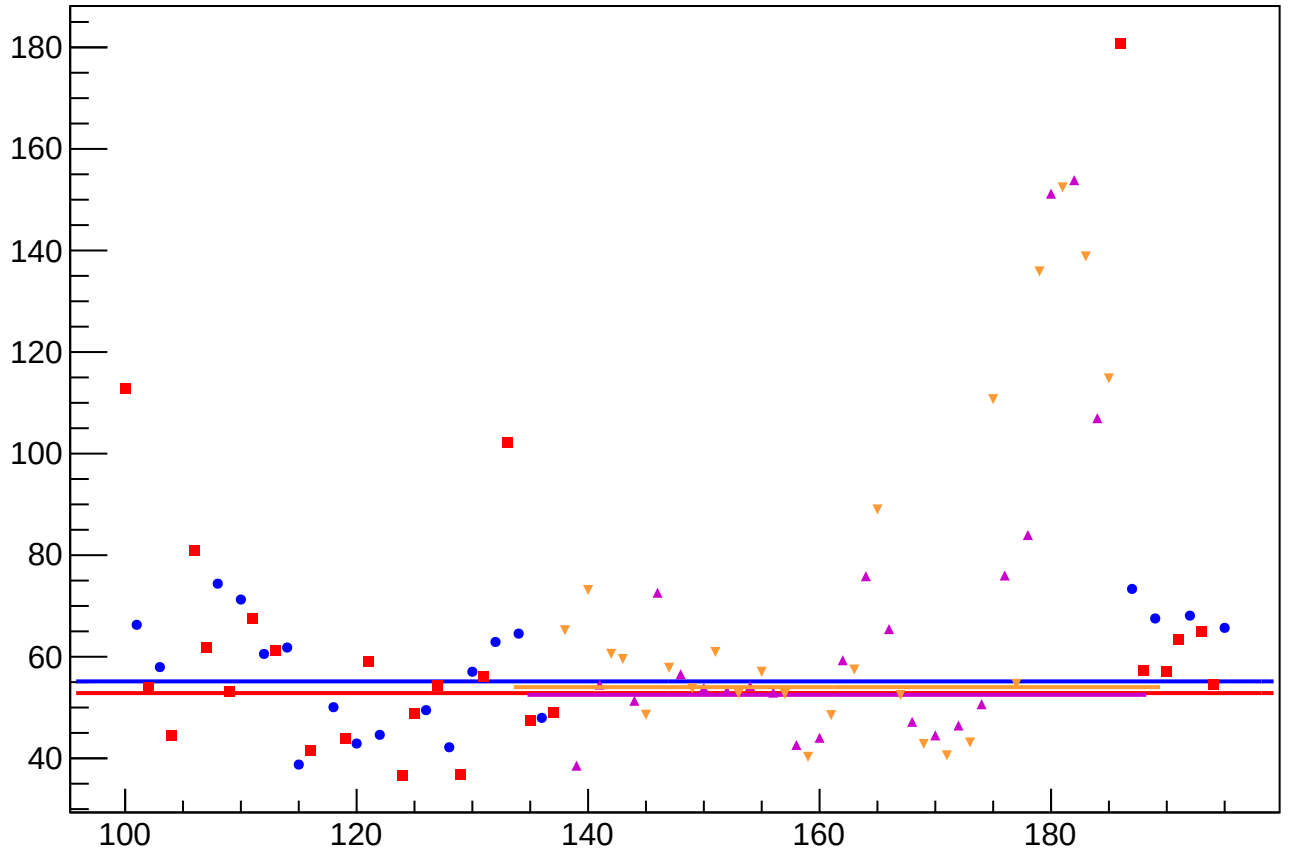
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.011+/-0.012 χ^2/NDF: 27.7/44

In: 0.016+/-0.011 χ^2/NDF:43.2/42

Out: -0.001+/-0.010 χ^2/NDF:47.1/49

All: 0.007+/-0.007 χ^2/NDF: 91.7/92



Right In: 55.147+/-0.013 χ^2/NDF: 616052.4/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 52.841+/-0.012 χ^2/NDF: 1157266.9/24

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

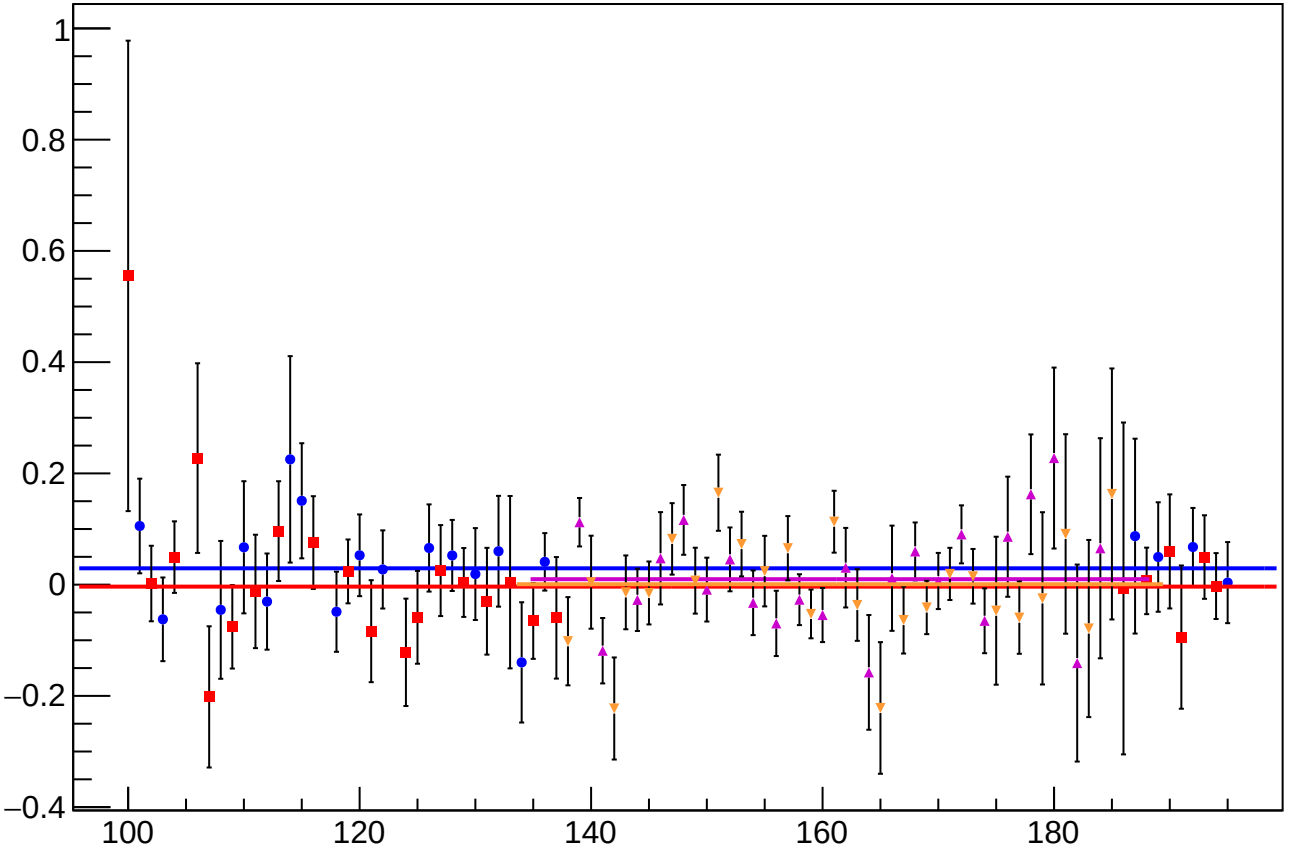
Right: 53.885+/-0.009 χ^2/NDF: 1790373.5/44

In: 53.398+/-0.008 χ^2/NDF:3200965.7/42

Out: 53.565+/-0.007 χ^2/NDF:4390853.1/49

All: 53.484+/-0.005 χ^2/NDF: 7592068.3/92

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.018 χ^2/NDF: 10.5/19

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

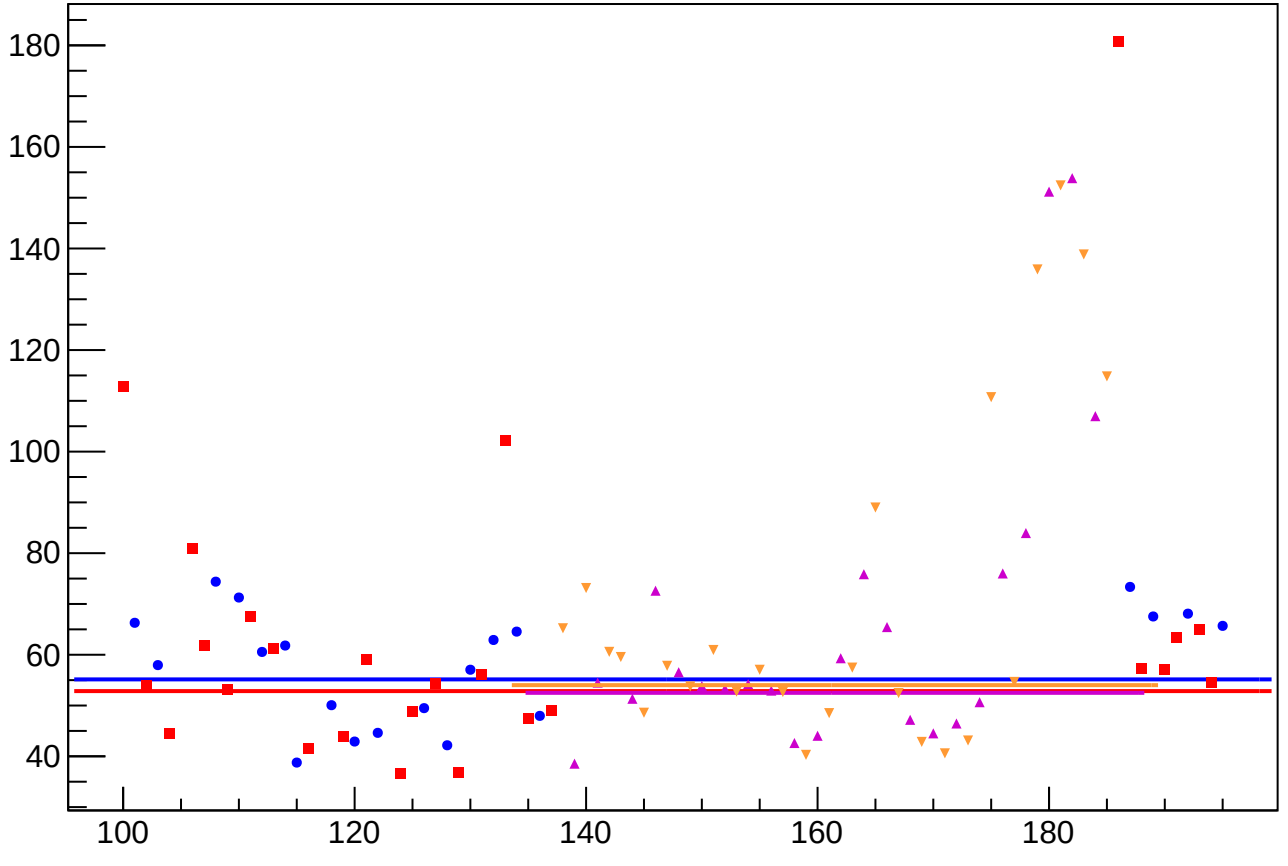
Right: 0.011+/-0.012 χ^2/NDF: 27.7/44

In: 0.016+/-0.011 χ^2/NDF:43.2/42

Out: -0.001+/-0.010 χ^2/NDF:47.1/49

All: 0.007+/-0.007 χ^2/NDF: 91.7/92

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.147+/-0.013 χ^2/NDF: 616052.4/19

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 52.841+/-0.012 χ^2/NDF: 1157266.9/24

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

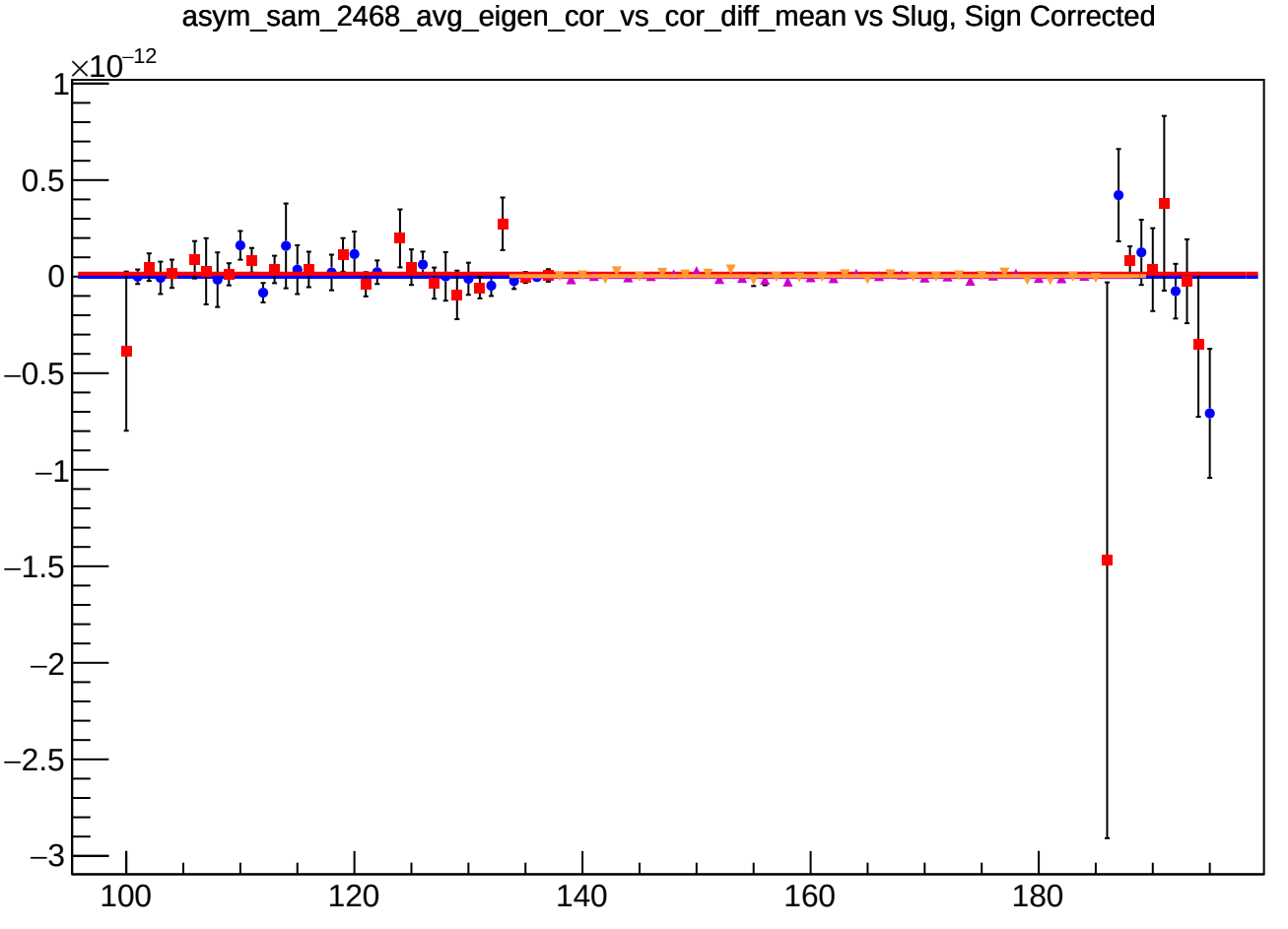
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 53.885+/-0.009 χ^2/NDF: 1790373.5/44

In: 53.398+/-0.008 χ^2/NDF:3200965.7/42

Out: 53.565+/-0.007 χ^2/NDF:4390853.1/49

All: 53.484+/-0.005 χ^2/NDF: 7592068.3/92



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/24

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

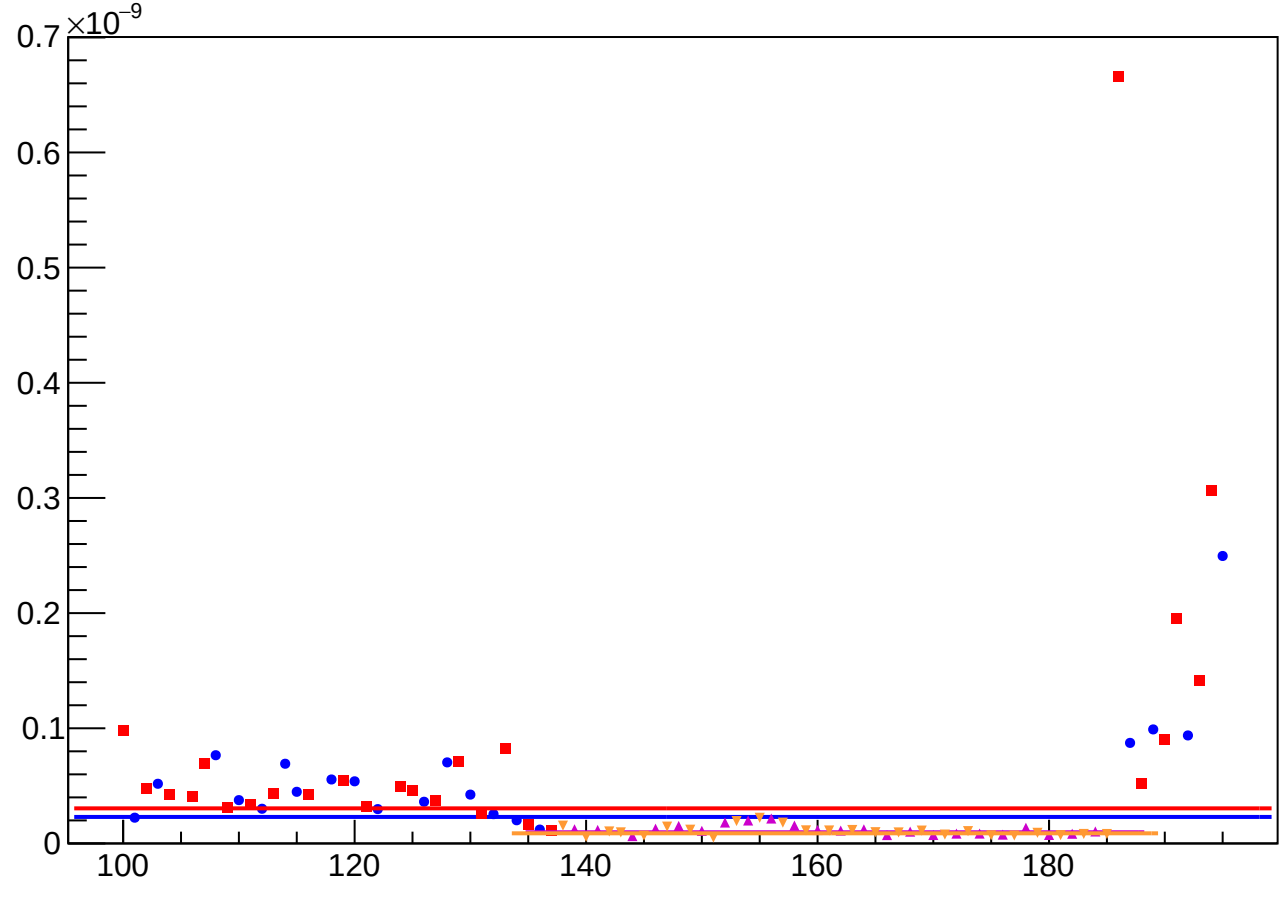
Right: 0.000+/-0.000 χ^2/NDF: 37.9/44

In: -0.000+/-0.000 χ^2/NDF:35.0/42

Out: 0.000+/-0.000 χ^2/NDF:40.0/49

All: 0.000+/-0.000 χ^2/NDF: 76.7/92

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4517530.7/19

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5054573.4/24

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

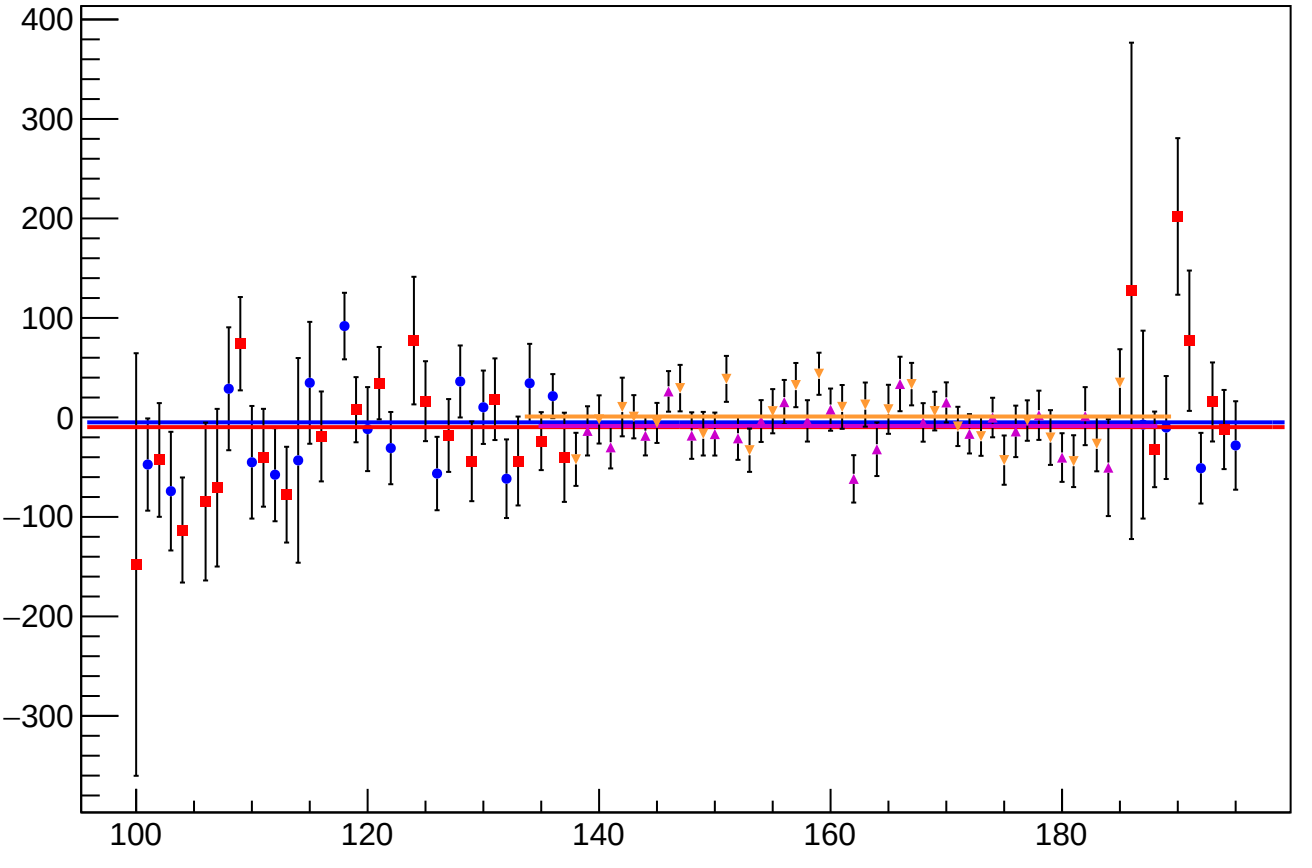
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 9898039.6/44

In: 0.000+/-0.000 χ^2/NDF:9199304.9/42

Out: 0.000+/-0.000 χ^2/NDF:12115159.4/49

All: 0.000+/-0.000 χ^2/NDF: 21431729.4/92



Right In: -4.943+/-9.249 χ^2/NDF: 23.6/19

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -9.757+/-9.197 χ^2/NDF: 28.1/24

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

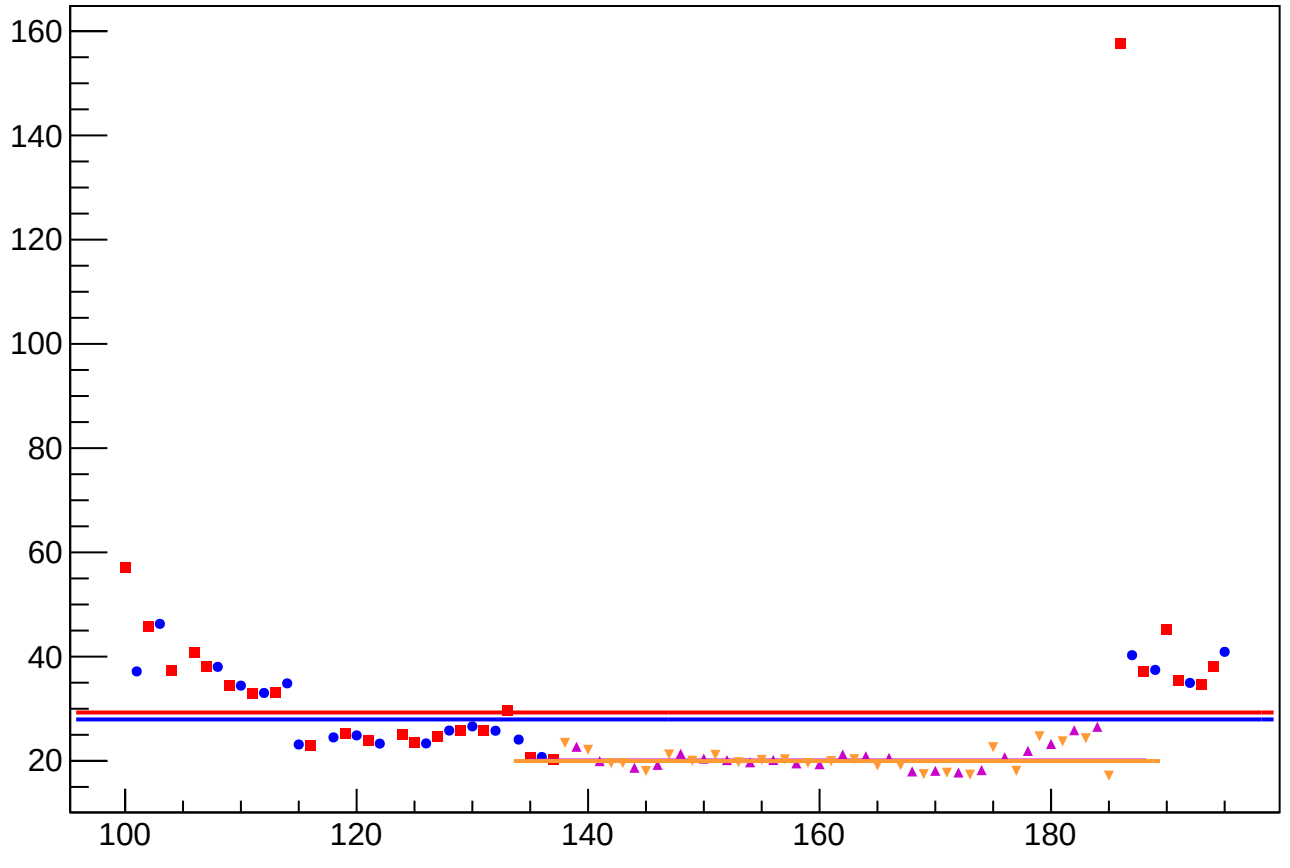
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -7.364+/-6.521 χ^2/NDF: 51.7/44

In: -7.844+/-4.207 χ^2/NDF:43.0/42

Out: -1.200+/-4.095 χ^2/NDF:58.4/49

All: -4.433+/-2.934 χ^2/NDF: 102.7/92



Right In: 27.948+/-0.007 χ^2/NDF: 1084395.1/19

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.282+/-0.007 χ^2/NDF: 1688191.6/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

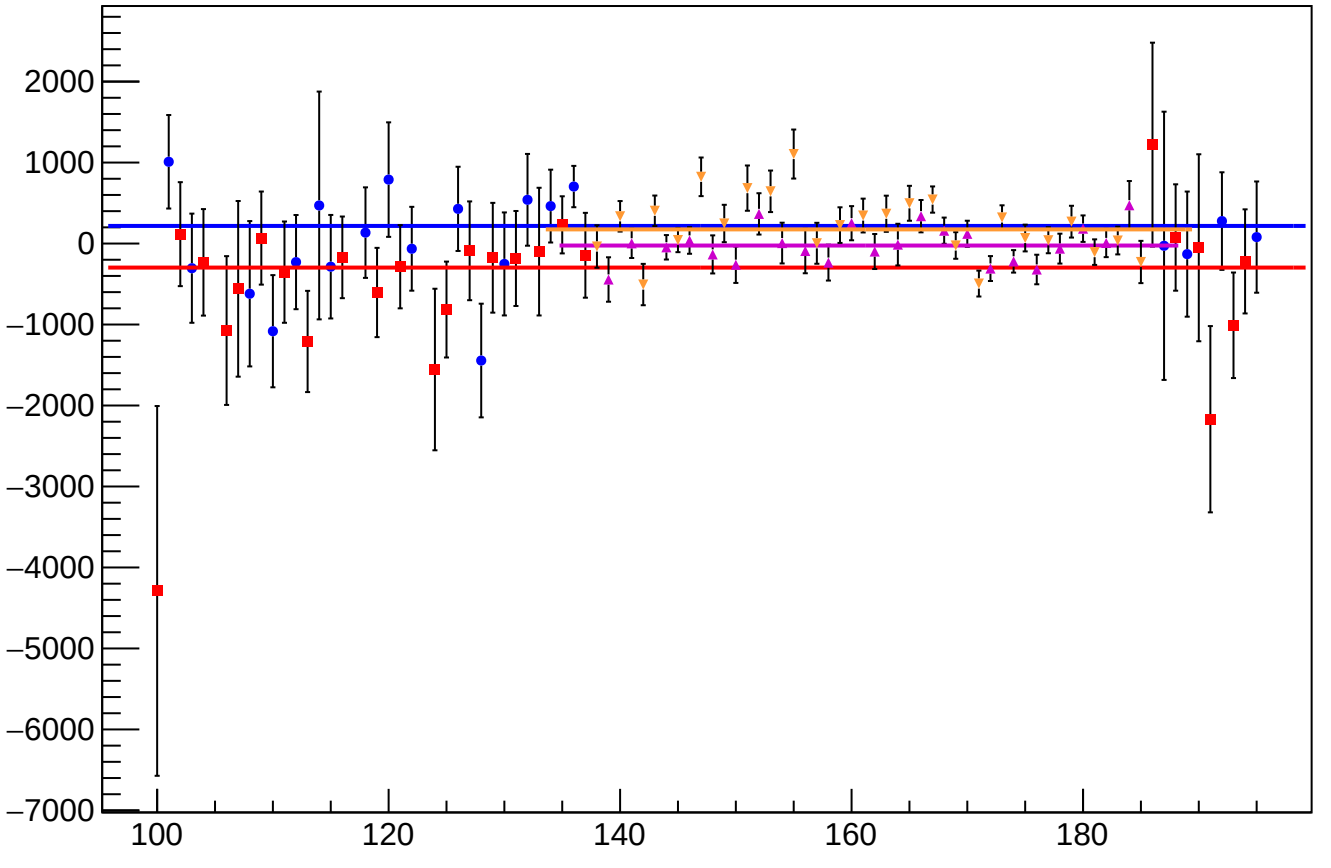
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 28.619+/-0.005 χ^2/NDF: 2793507.2/44

In: 21.702+/-0.003 χ^2/NDF:2536263.8/42

Out: 21.816+/-0.003 χ^2/NDF:3719394.8/49

All: 21.760+/-0.002 χ^2/NDF: 6256411.2/92



Right In: 217.538+/-127.114 χ^2/NDF: 19.9/19

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -296.791+/-128.802 χ^2/NDF: 17.8/24

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

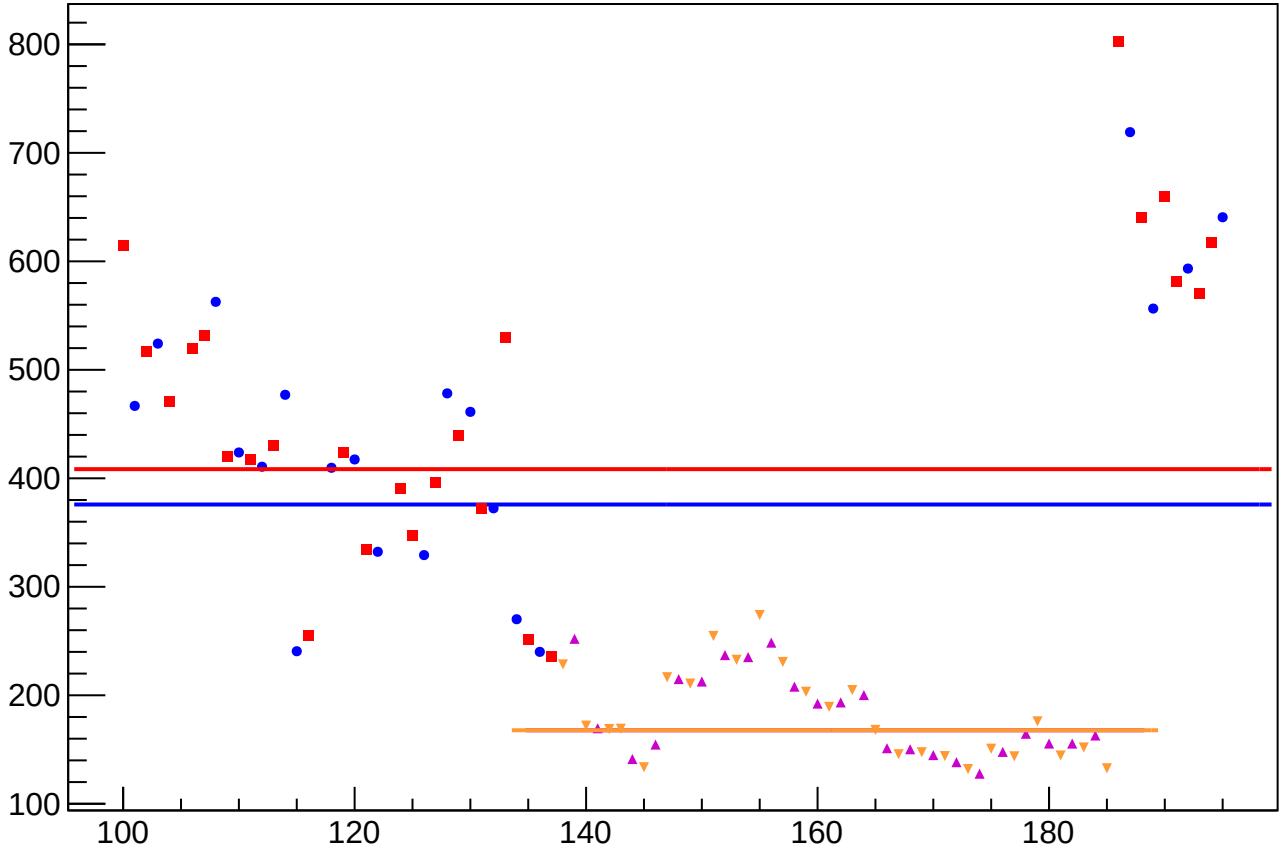
Right: -36.233+/-90.474 χ^2/NDF: 45.8/44

In: -2.704+/-38.216 χ^2/NDF:50.1/42

Out: 135.005+/-37.369 χ^2/NDF:101.3/49

All: 67.694+/-26.719 χ^2/NDF: 158.0/92

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 375.857+/-0.090 χ^2/NDF: 1902789.4/19

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 408.448+/-0.091 χ^2/NDF: 1994675.6/24

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

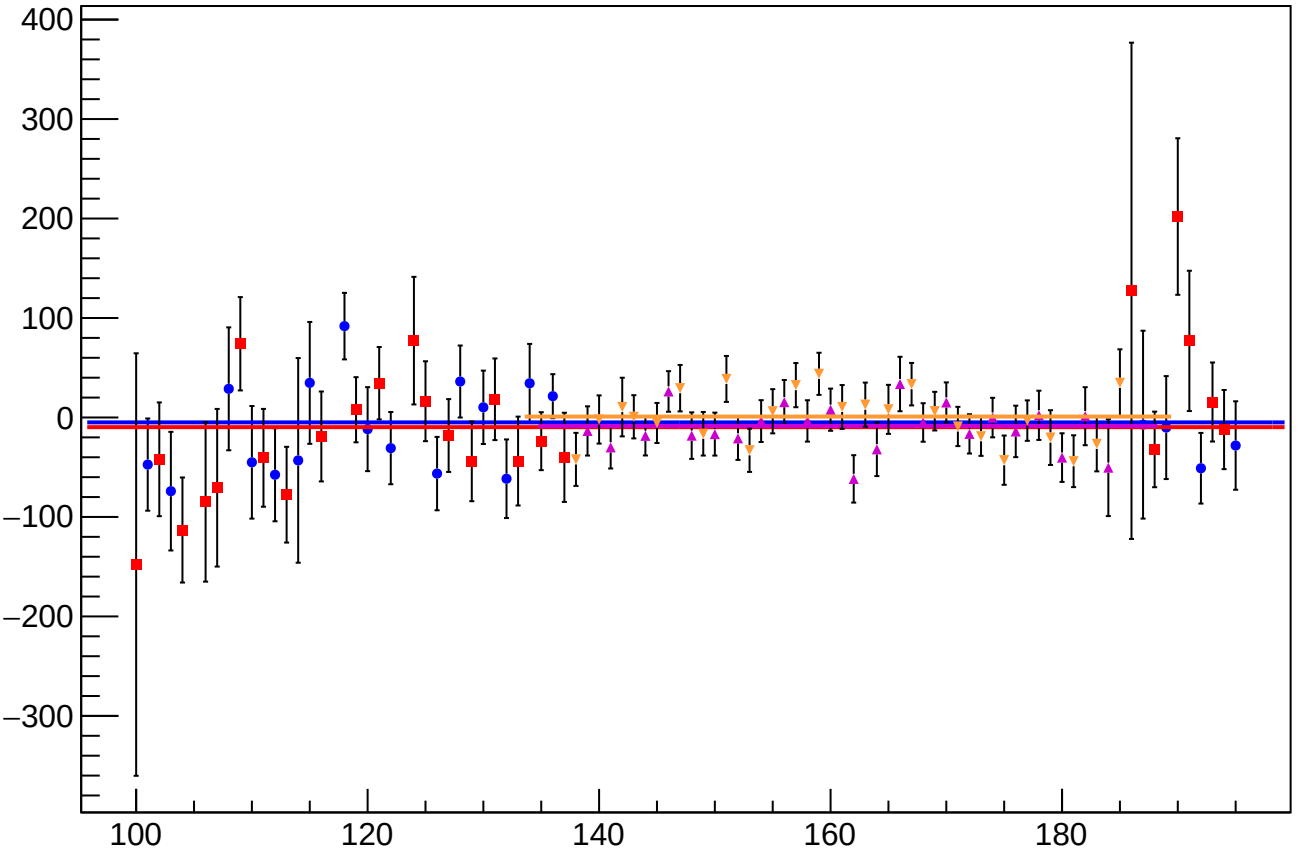
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 391.937+/-0.064 χ^2/NDF: 3962333.9/44

In: 186.559+/-0.027 χ^2/NDF:8182094.2/42

Out: 188.015+/-0.026 χ^2/NDF:9969111.8/49

All: 187.303+/-0.019 χ^2/NDF: 18152690.0/92



Right In: -4.941+/-9.249 χ^2/NDF: 23.5/19

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -9.724+/-9.198 χ^2/NDF: 28.0/24

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

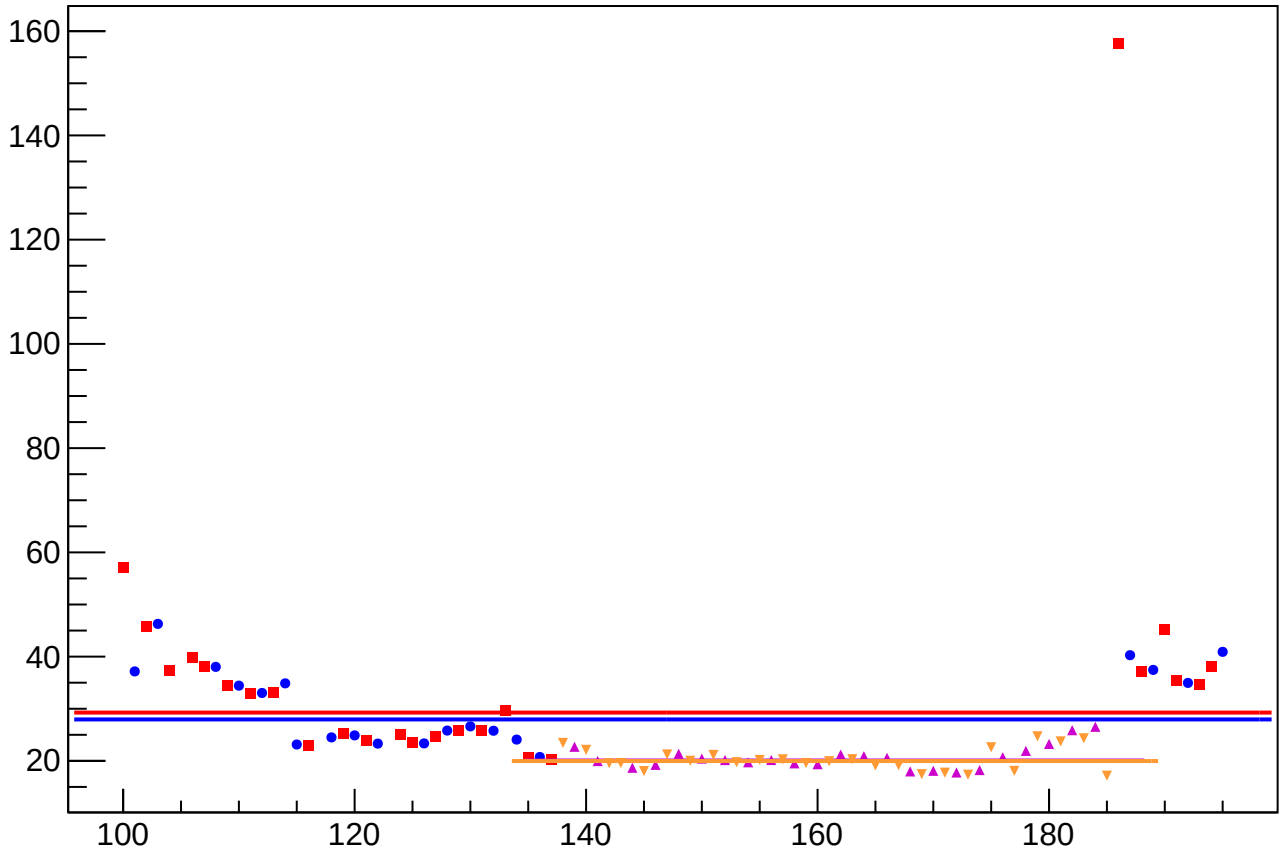
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -7.346+/-6.522 χ^2/NDF: 51.7/44

In: -7.843+/-4.207 χ^2/NDF:43.0/42

Out: -1.195+/-4.096 χ^2/NDF:58.3/49

All: -4.430+/-2.934 χ^2/NDF: 102.7/92



Right In: 27.948+/-0.007 χ^2/NDF: 1084398.4/19

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.265+/-0.007 χ^2/NDF: 1680196.9/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

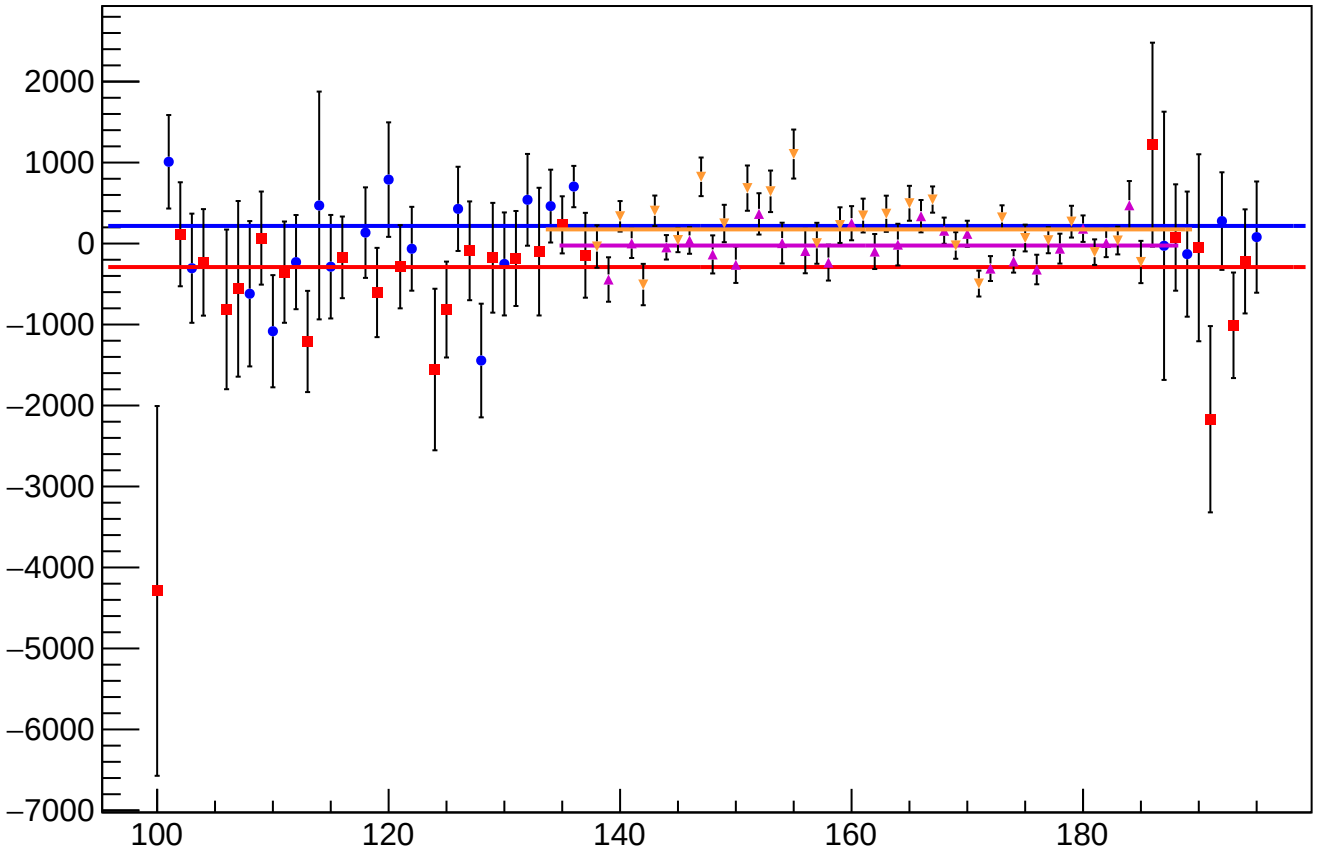
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.610+/-0.005 χ^2/NDF: 2784982.9/44

In: 21.702+/-0.003 χ^2/NDF:2536267.2/42

Out: 21.812+/-0.003 χ^2/NDF:3705048.2/49

All: 21.758+/-0.002 χ^2/NDF: 6242019.1/92



Right In: 217.531+/-127.114 χ^2/NDF: 19.9/19

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -290.379+/-128.972 χ^2/NDF: 17.3/24

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

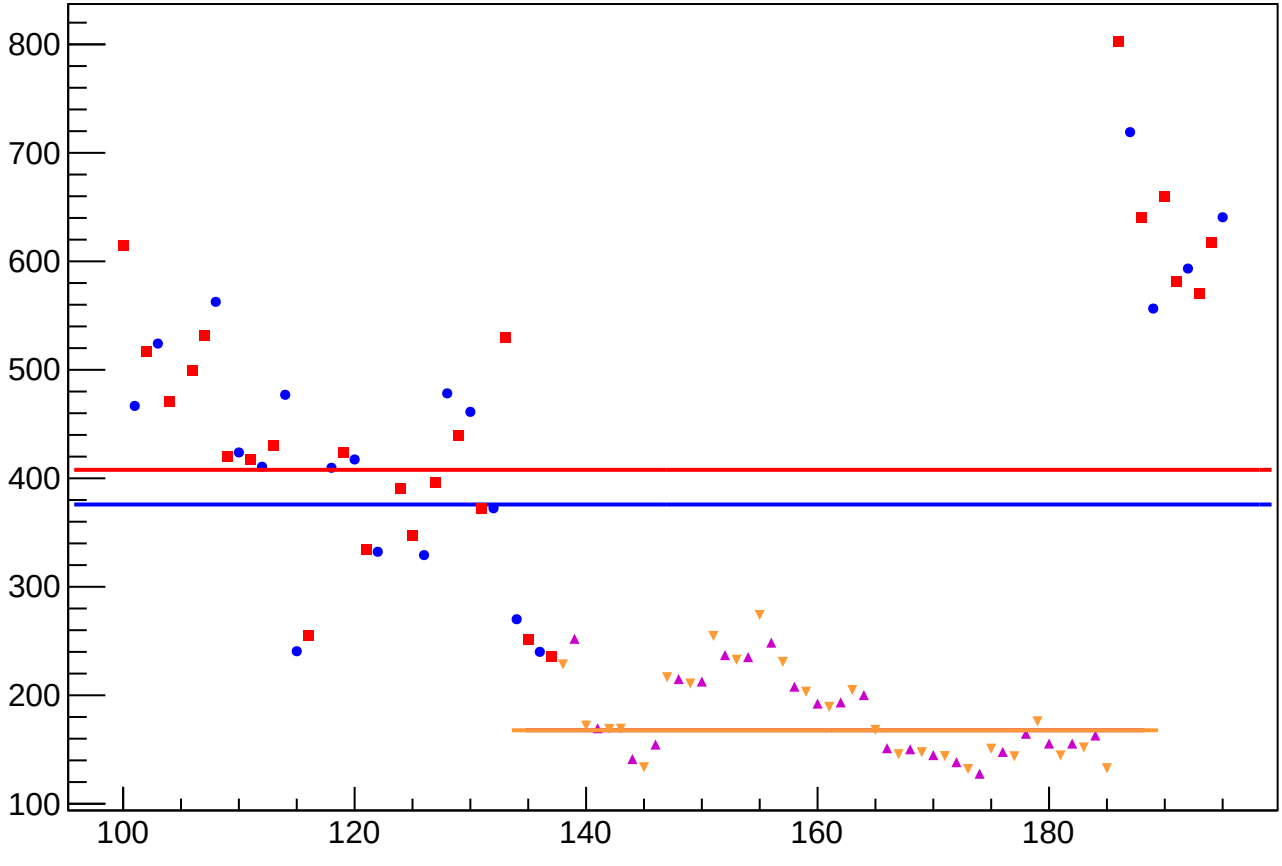
Right: -32.740+/-90.533 χ^2/NDF: 45.1/44

In: -2.705+/-38.216 χ^2/NDF:50.1/42

Out: 135.637+/-37.374 χ^2/NDF:100.5/49

All: 68.009+/-26.720 χ^2/NDF: 157.3/92

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 375.857+/-0.090 χ^2/NDF: 1902816.6/19

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 407.816+/-0.091 χ^2/NDF: 1982481.3/24

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

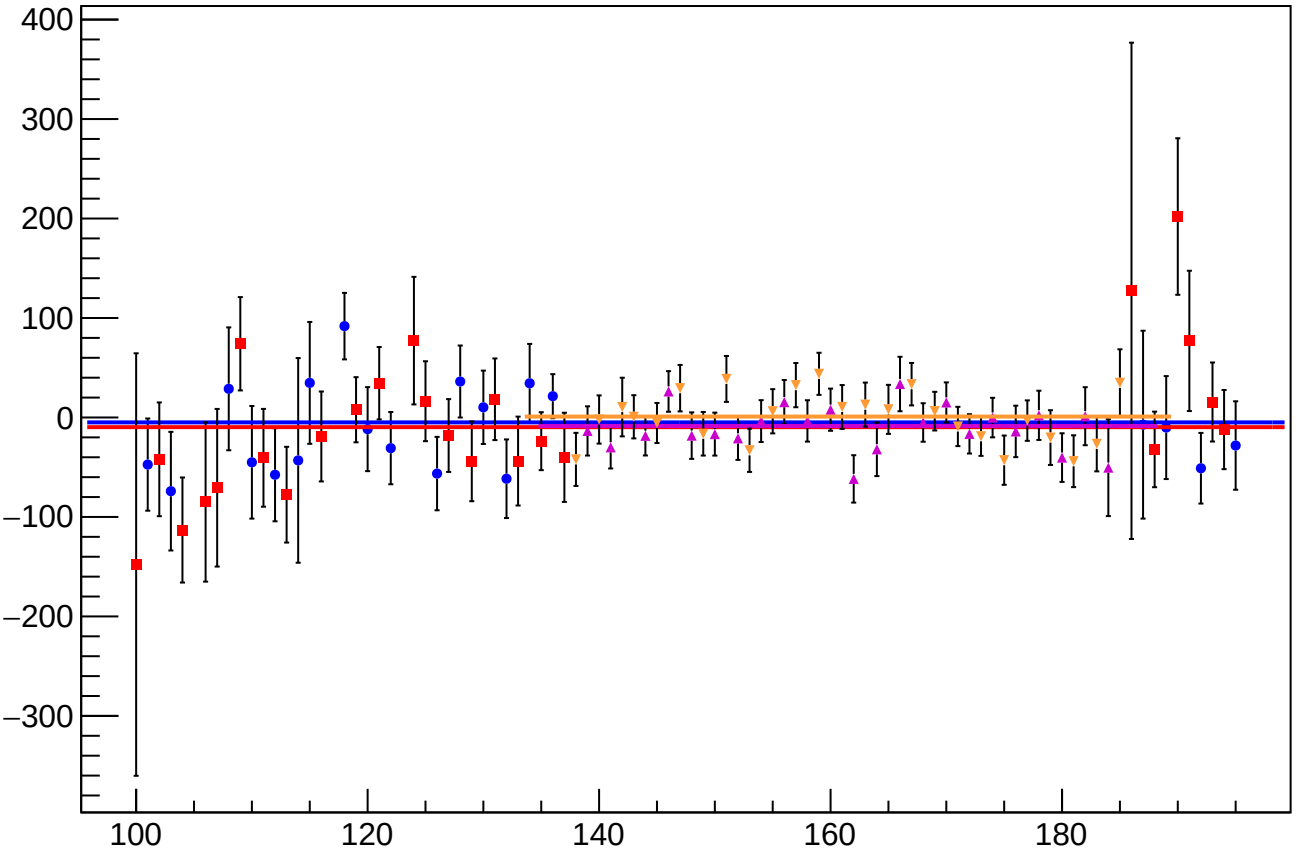
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 391.605+/-0.064 χ^2/NDF: 3947594.4/44

In: 186.559+/-0.027 χ^2/NDF:8182108.9/42

Out: 187.913+/-0.026 χ^2/NDF:9908111.0/49

All: 187.251+/-0.019 χ^2/NDF: 18091503.4/92



Right In: -4.941+/-9.249 χ^2/NDF: 23.5/19

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -9.724+/-9.198 χ^2/NDF: 28.0/24

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

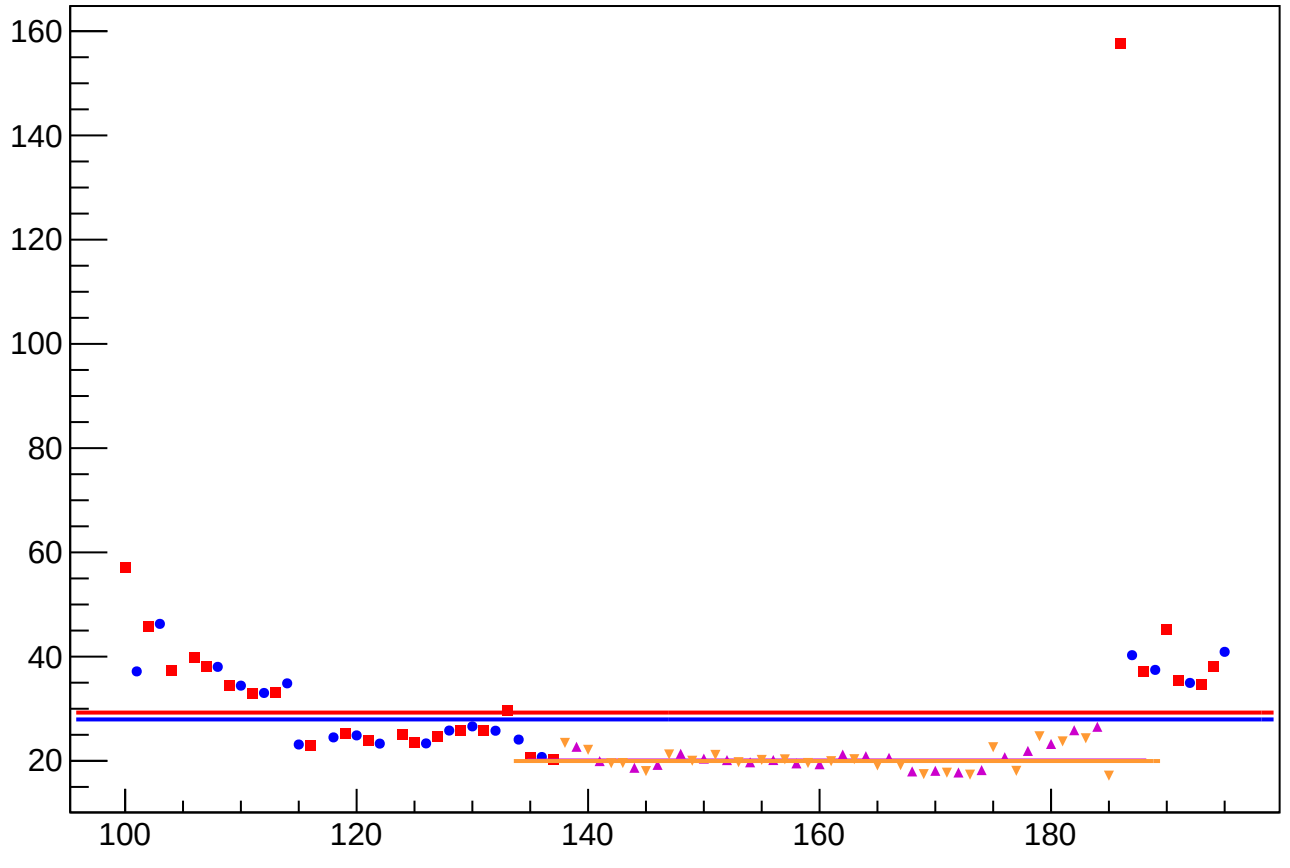
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -7.346+/-6.522 χ^2/NDF: 51.7/44

In: -7.843+/-4.207 χ^2/NDF:43.0/42

Out: -1.195+/-4.096 χ^2/NDF:58.3/49

All: -4.430+/-2.934 χ^2/NDF: 102.7/92



Right In: 27.948+/-0.007 χ^2/NDF: 1084398.4/19

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.265+/-0.007 χ^2/NDF: 1680196.9/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

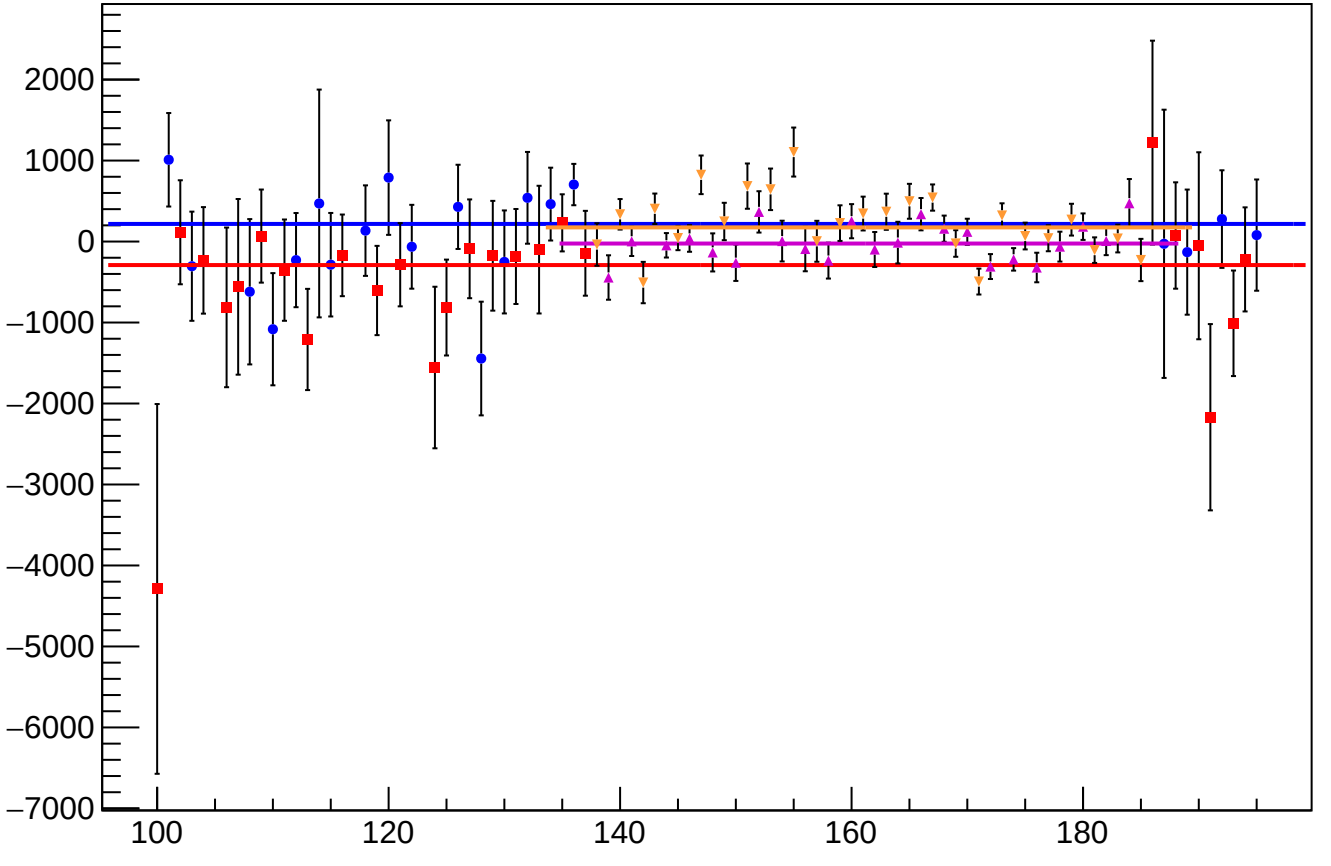
Right: 28.610+/-0.005 χ^2/NDF: 2784982.9/44

In: 21.702+/-0.003 χ^2/NDF:2536267.2/42

Out: 21.812+/-0.003 χ^2/NDF:3705048.2/49

All: 21.758+/-0.002 χ^2/NDF: 6242019.1/92

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 217.531+/-127.114 χ^2/NDF: 19.9/19

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -290.379+/-128.972 χ^2/NDF: 17.3/24

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

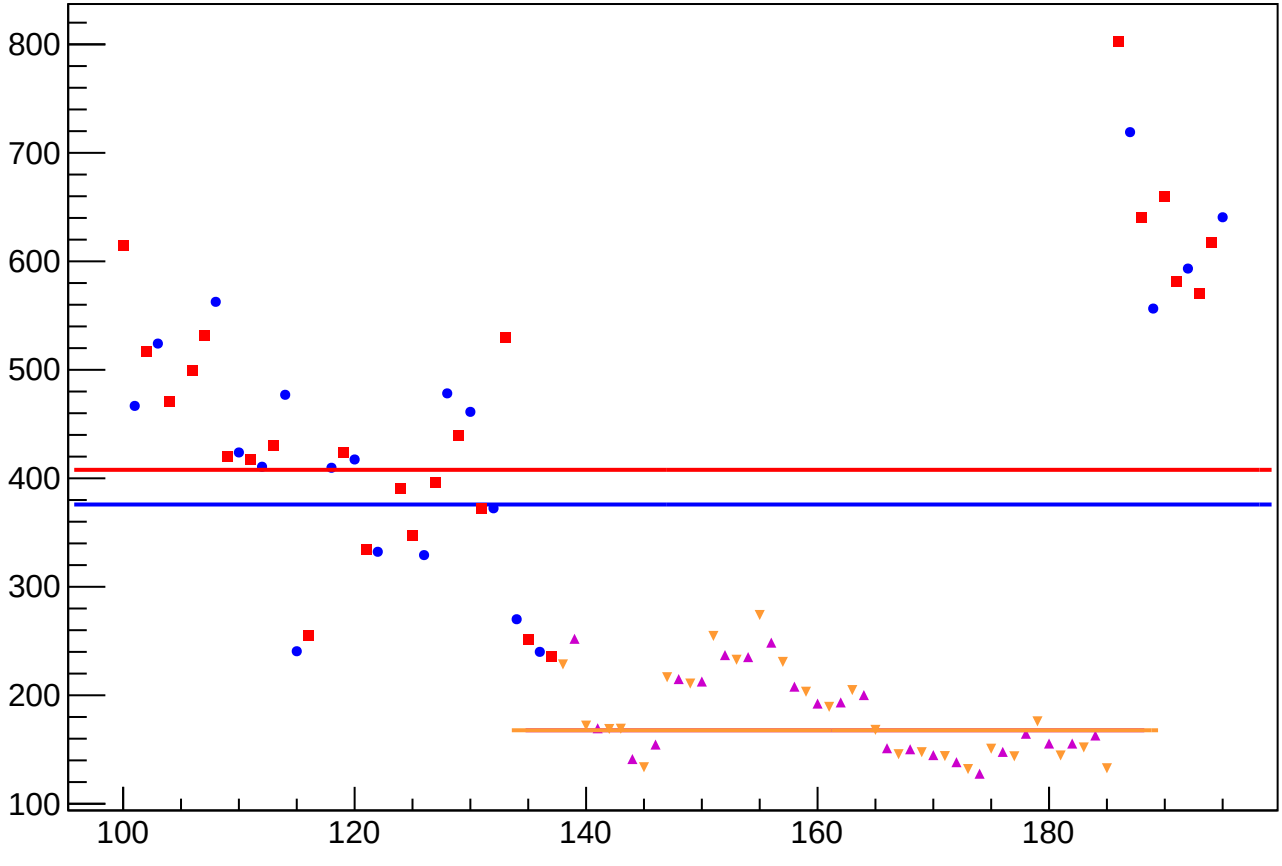
Right: -32.740+/-90.533 χ^2/NDF: 45.1/44

In: -2.705+/-38.216 χ^2/NDF:50.1/42

Out: 135.637+/-37.374 χ^2/NDF:100.5/49

All: 68.009+/-26.720 χ^2/NDF: 157.3/92

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 375.857+/-0.090 χ^2/NDF: 1902816.6/19

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 407.816+/-0.091 χ^2/NDF: 1982481.3/24

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

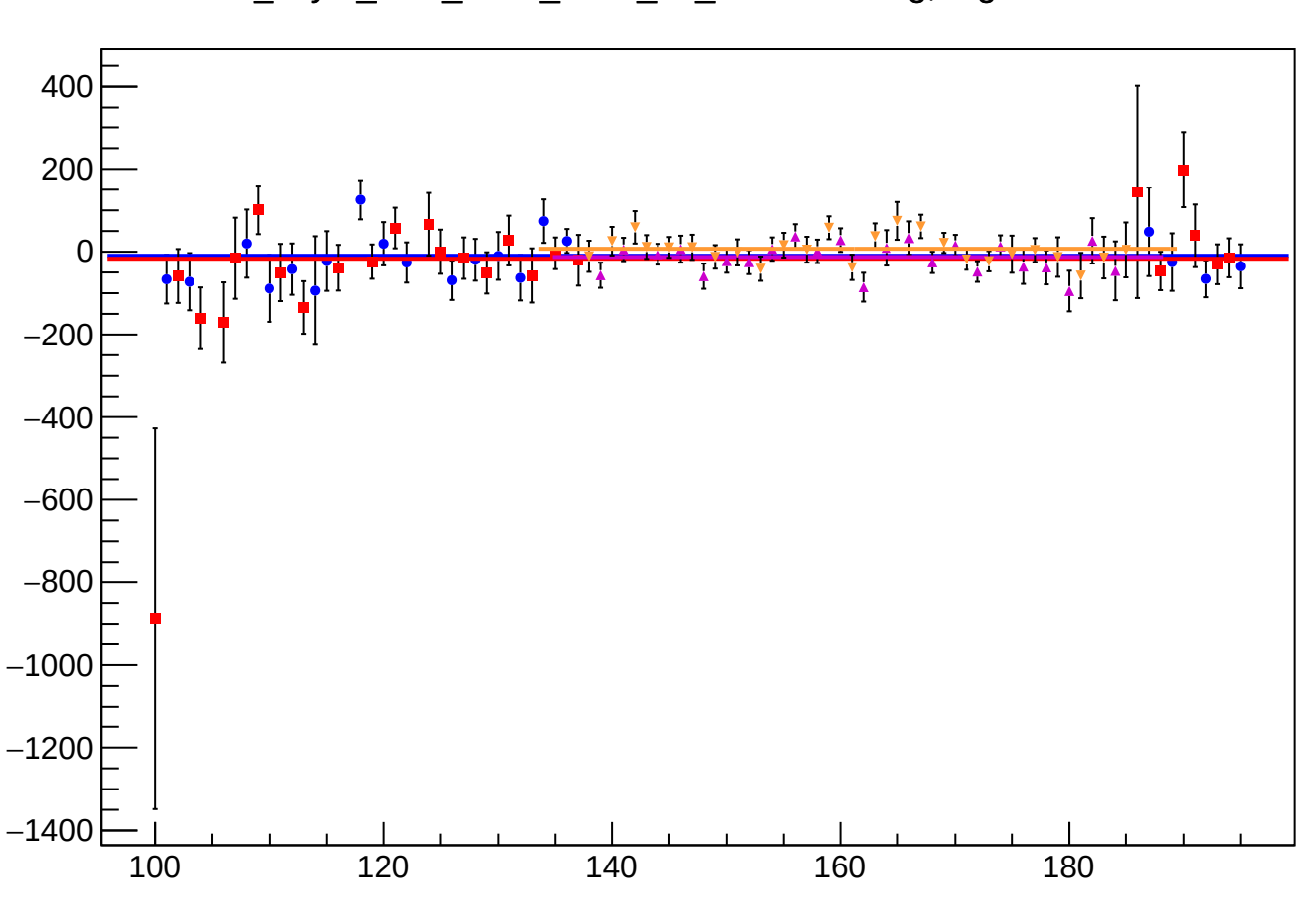
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 391.605+/-0.064 χ^2/NDF: 3947594.4/44

In: 186.559+/-0.027 χ^2/NDF:8182108.9/42

Out: 187.913+/-0.026 χ^2/NDF:9908111.0/49

All: 187.251+/-0.019 χ^2/NDF: 18091503.4/92



Right In: -9.753+/-12.187 χ^2/NDF: 20.8/19

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -16.939+/-11.807 χ^2/NDF: 30.3/24

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

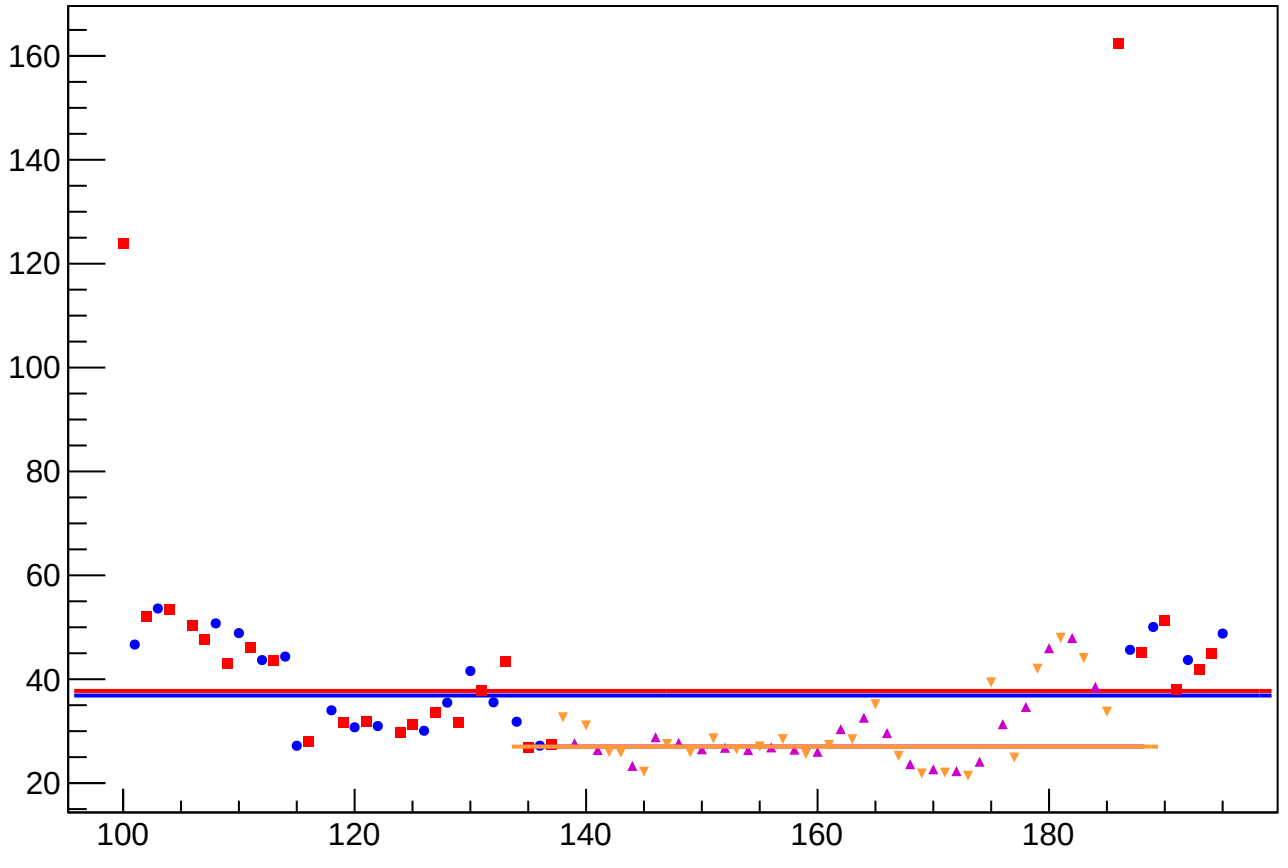
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -13.460+/-8.480 χ^2/NDF: 51.3/44

In: -12.043+/-5.745 χ^2/NDF:46.5/42

Out: 1.713+/-5.581 χ^2/NDF:56.2/49

All: -4.966+/-4.003 χ^2/NDF: 105.7/92



Right In: 36.863+/-0.009 χ^2/NDF: 937951.1/19

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.748+/-0.008 χ^2/NDF: 1461273.8/24

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

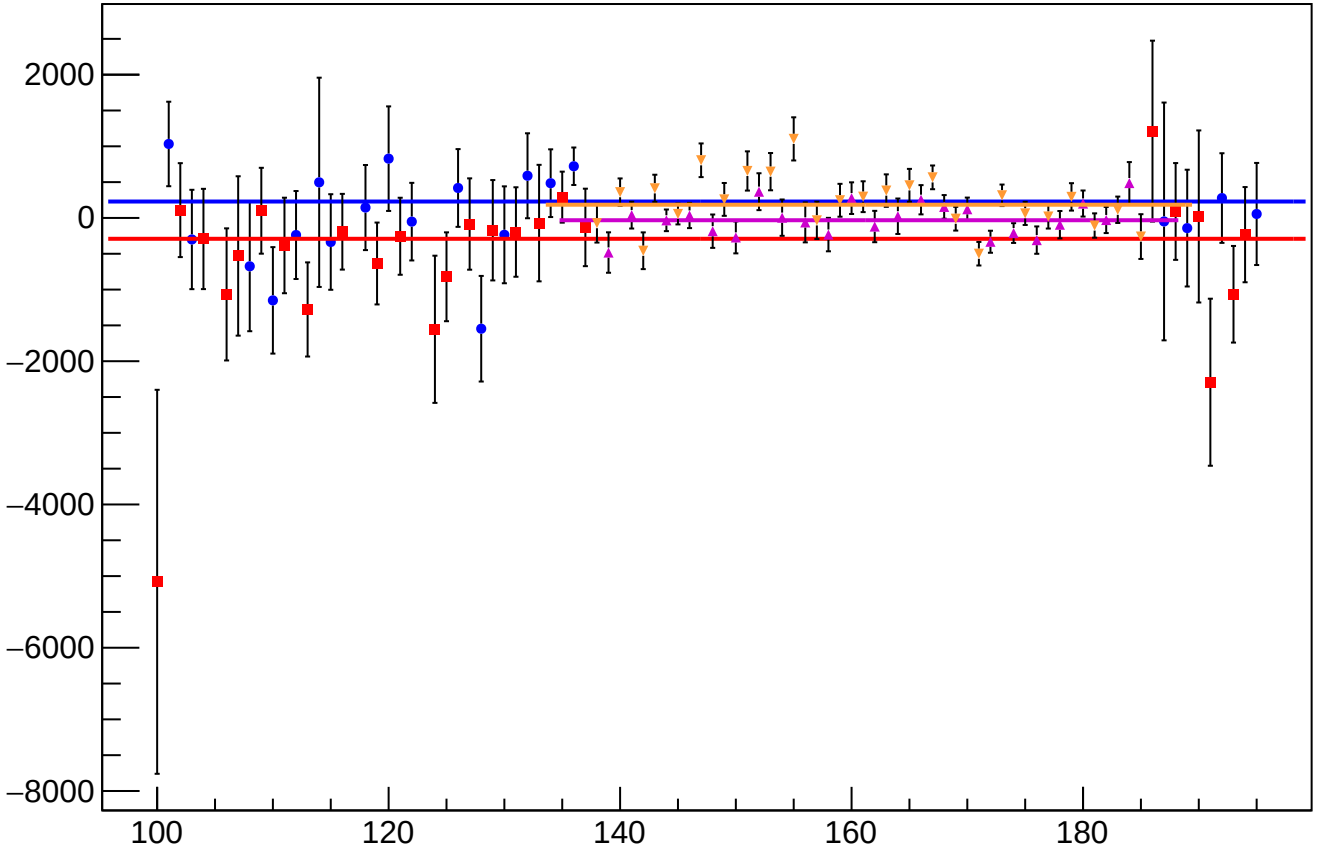
Right: 37.320+/-0.006 χ^2/NDF: 2404665.7/44

In: 29.232+/-0.004 χ^2/NDF:2990476.6/42

Out: 29.422+/-0.004 χ^2/NDF:4172514.5/49

All: 29.330+/-0.003 χ^2/NDF: 7164116.3/92

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 229.228+/-132.207 χ^2/NDF: 20.1/19

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -291.065+/-133.538 χ^2/NDF: 18.7/24

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

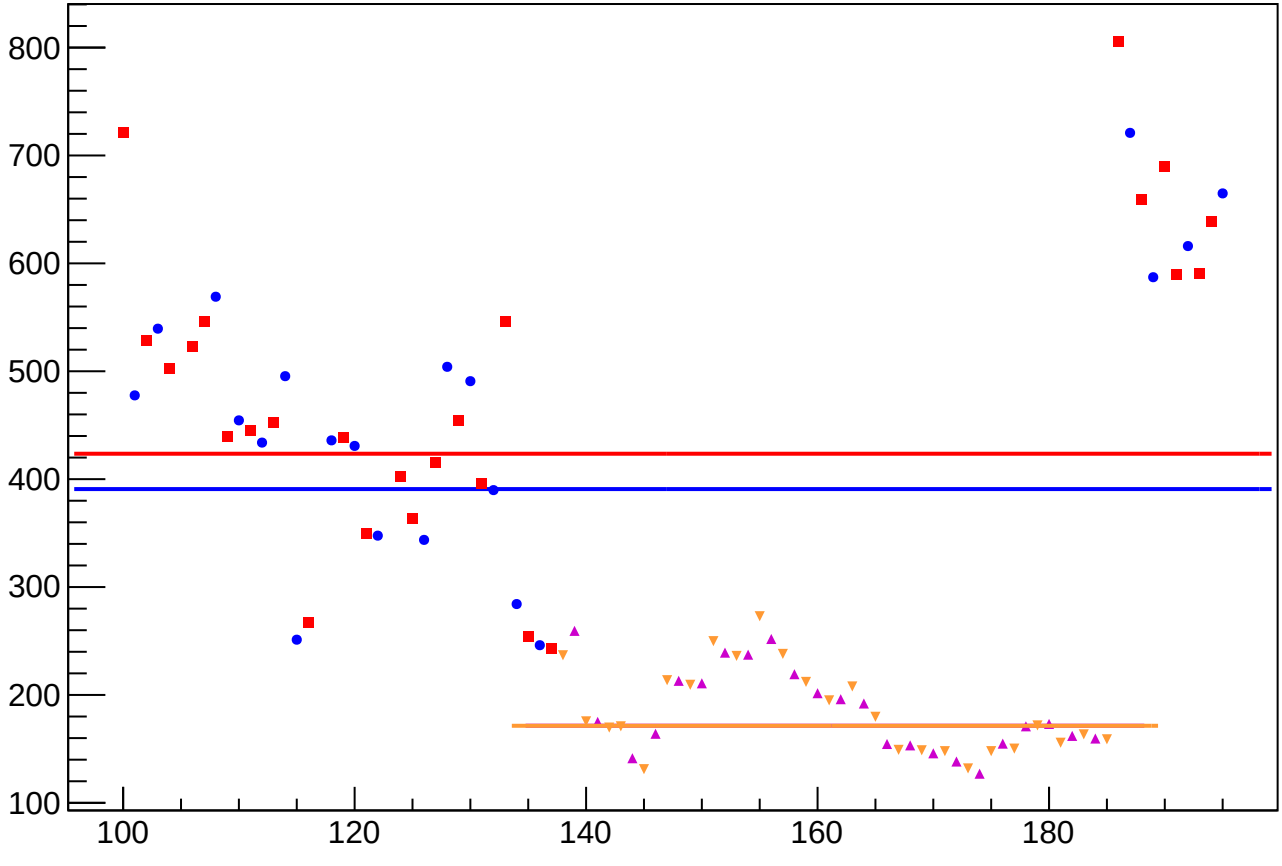
Right: -28.312+/-93.951 χ^2/NDF: 46.5/44

In: -9.007+/-39.138 χ^2/NDF:50.0/42

Out: 145.805+/-38.170 χ^2/NDF:98.1/49

All: 70.338+/-27.326 χ^2/NDF: 156.1/92

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 390.806+/-0.093 χ^2/NDF: 1935096.8/19

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 423.567+/-0.094 χ^2/NDF: 2014379.6/24

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

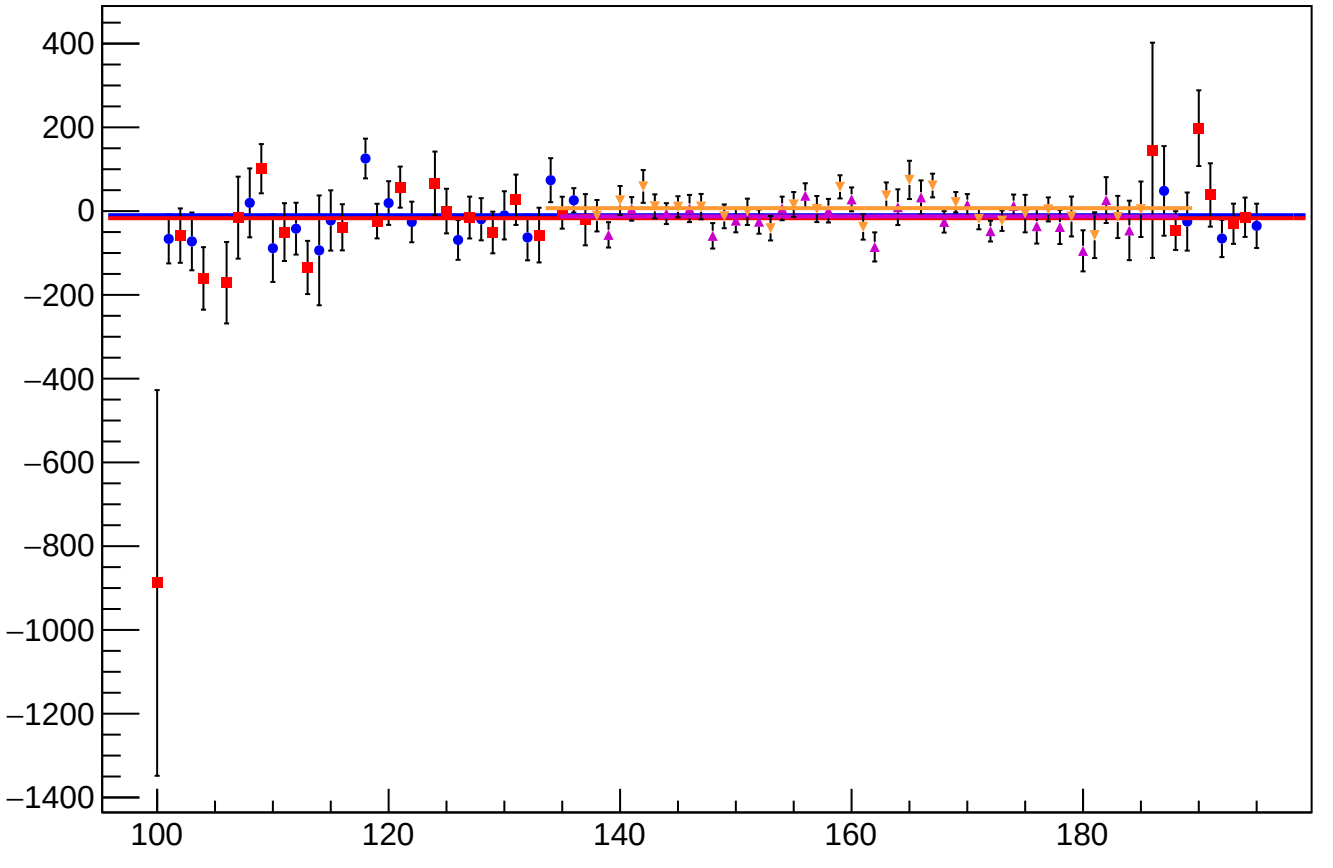
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 407.023+/-0.066 χ^2/NDF: 4010266.0/44

In: 190.710+/-0.028 χ^2/NDF:8372353.0/42

Out: 192.027+/-0.027 χ^2/NDF:10088934.1/49

All: 191.385+/-0.019 χ^2/NDF: 18462447.7/92



Right In: -9.753+/-12.187 χ^2/NDF: 20.8/19

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -16.938+/-11.807 χ^2/NDF: 30.3/24

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

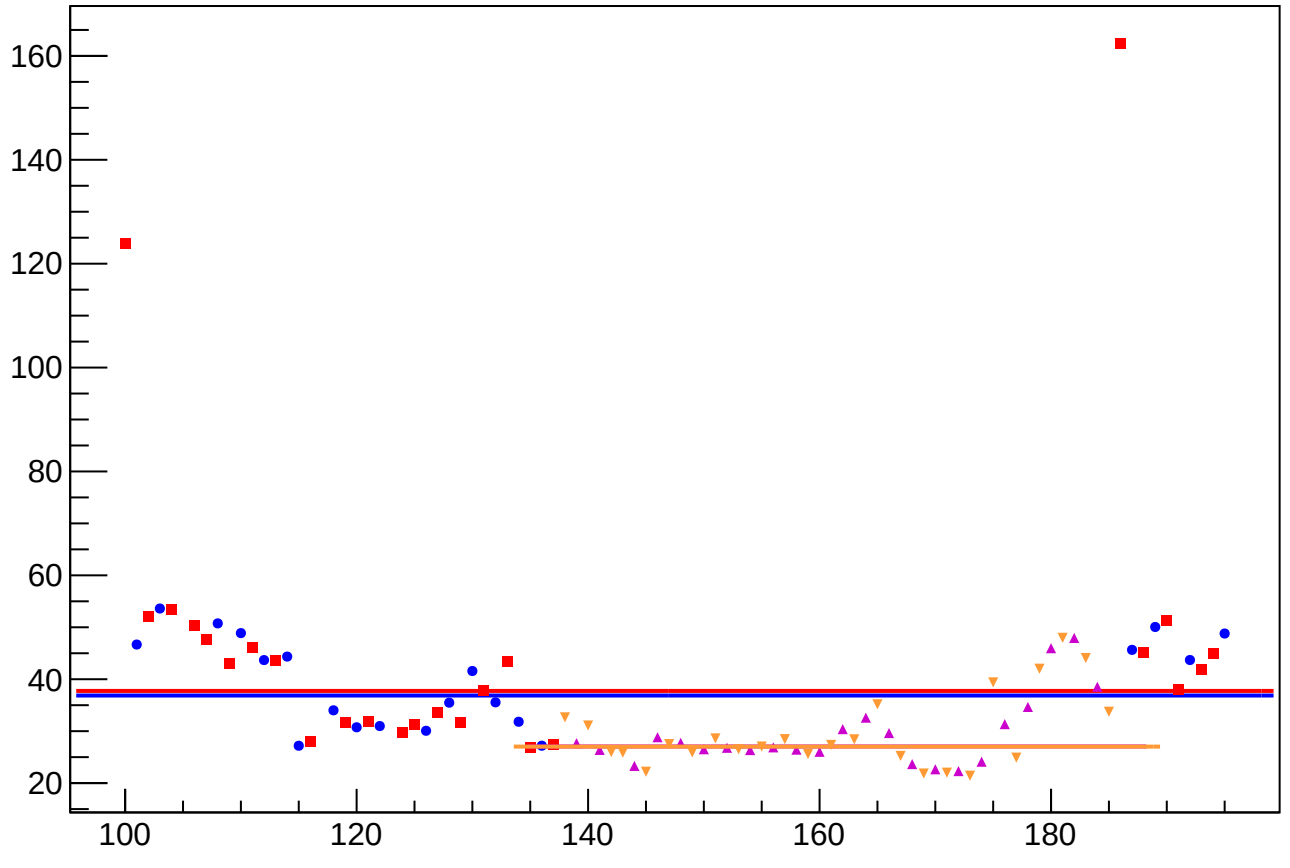
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -13.460+/-8.480 χ^2/NDF: 51.3/44

In: -12.043+/-5.745 χ^2/NDF:46.5/42

Out: 1.713+/-5.581 χ^2/NDF:56.2/49

All: -4.966+/-4.003 χ^2/NDF: 105.7/92



Right In: 36.863+/-0.009 χ^2/NDF: 937930.1/19

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 37.748+/-0.008 χ^2/NDF: 1461264.8/24

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

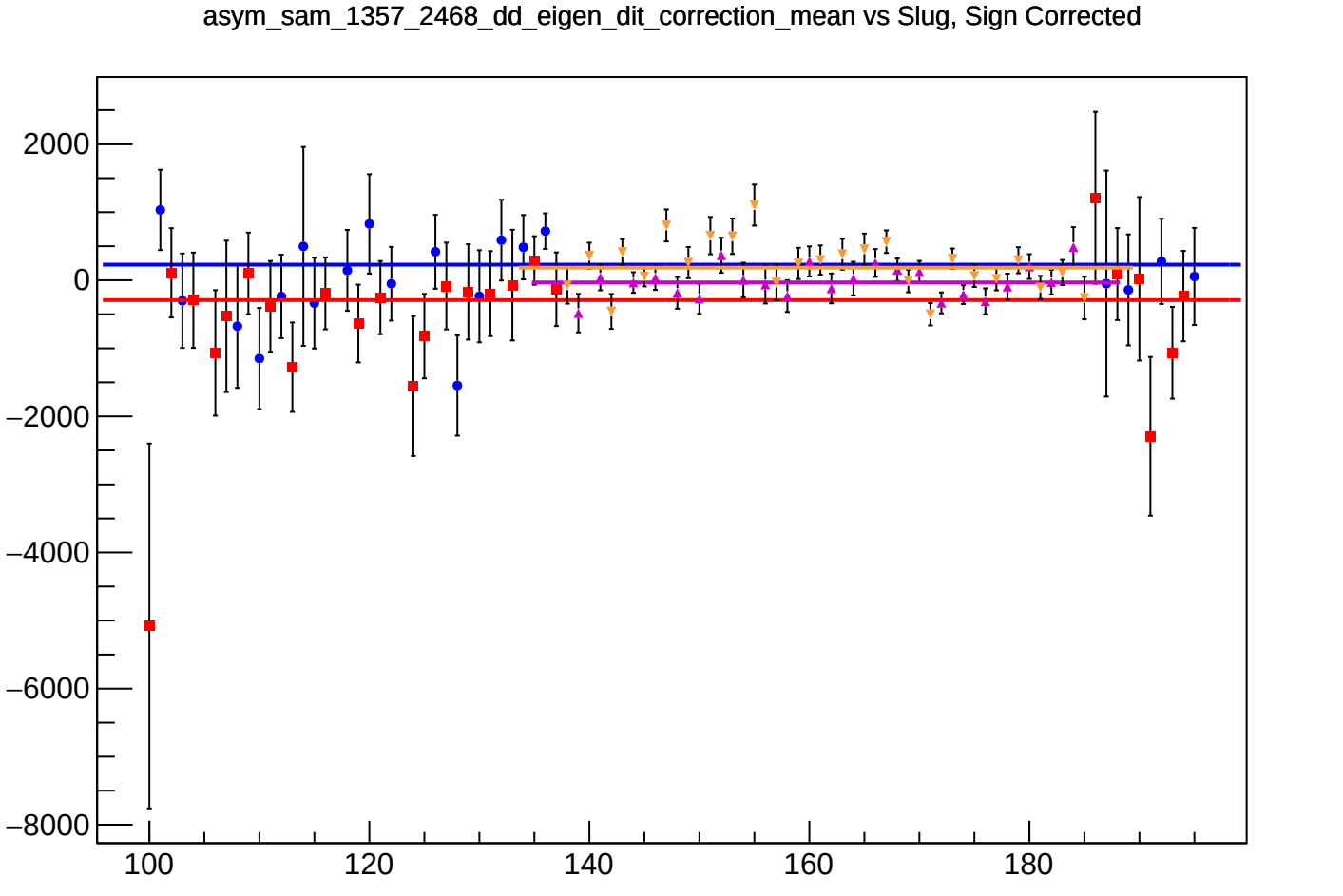
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 37.319+/-0.006 χ^2/NDF: 2404636.7/44

In: 29.232+/-0.004 χ^2/NDF:2990346.6/42

Out: 29.422+/-0.004 χ^2/NDF:4172420.6/49

All: 29.330+/-0.003 χ^2/NDF: 7163892.9/92



Right In: 229.226+/-132.206 χ^2/NDF: 20.1/19

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -291.065+/-133.538 χ^2/NDF: 18.7/24

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

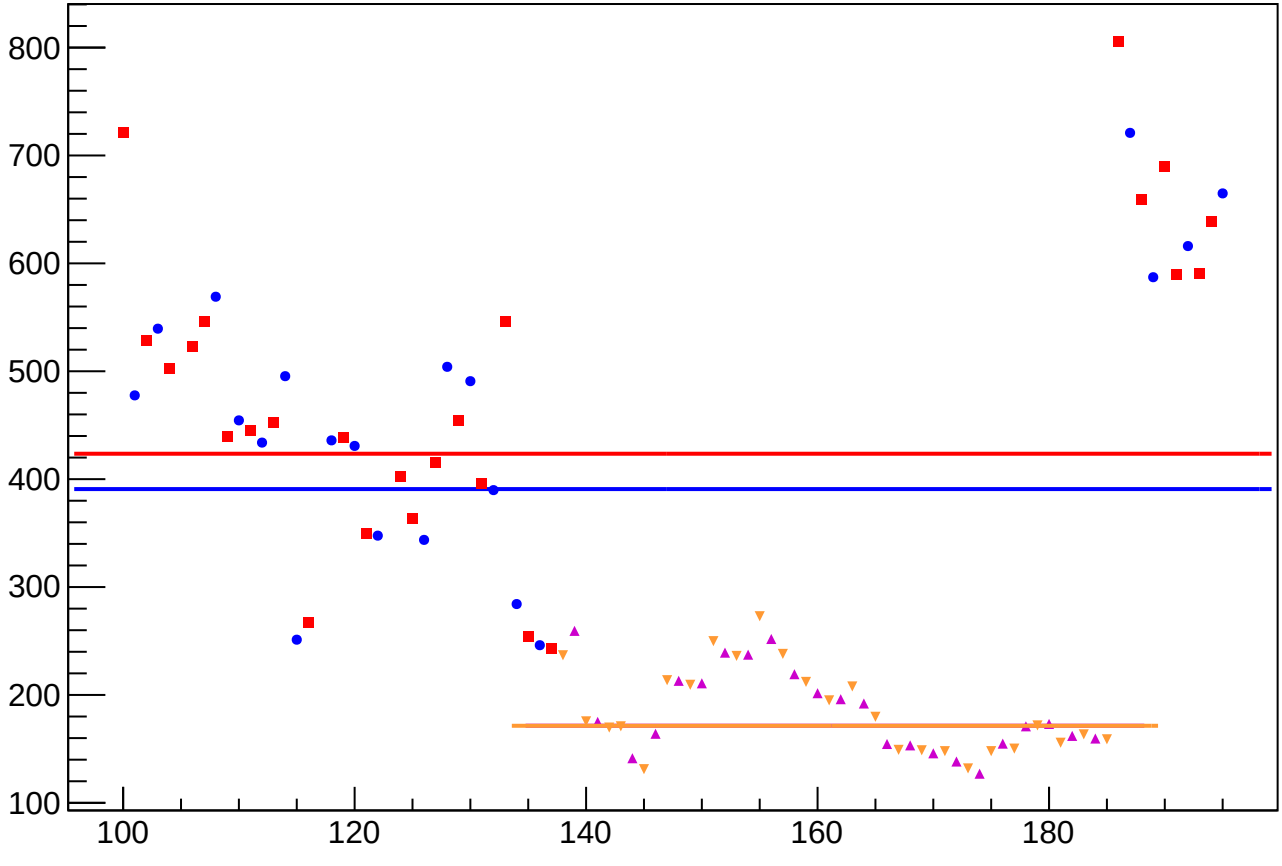
Right: -28.313+/-93.951 χ^2/NDF: 46.5/44

In: -9.007+/-39.138 χ^2/NDF:50.0/42

Out: 145.805+/-38.170 χ^2/NDF:98.1/49

All: 70.337+/-27.326 χ^2/NDF: 156.1/92

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 390.805+/-0.093 χ^2/NDF: 1935095.2/19

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 423.566+/-0.094 χ^2/NDF: 2014382.2/24

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

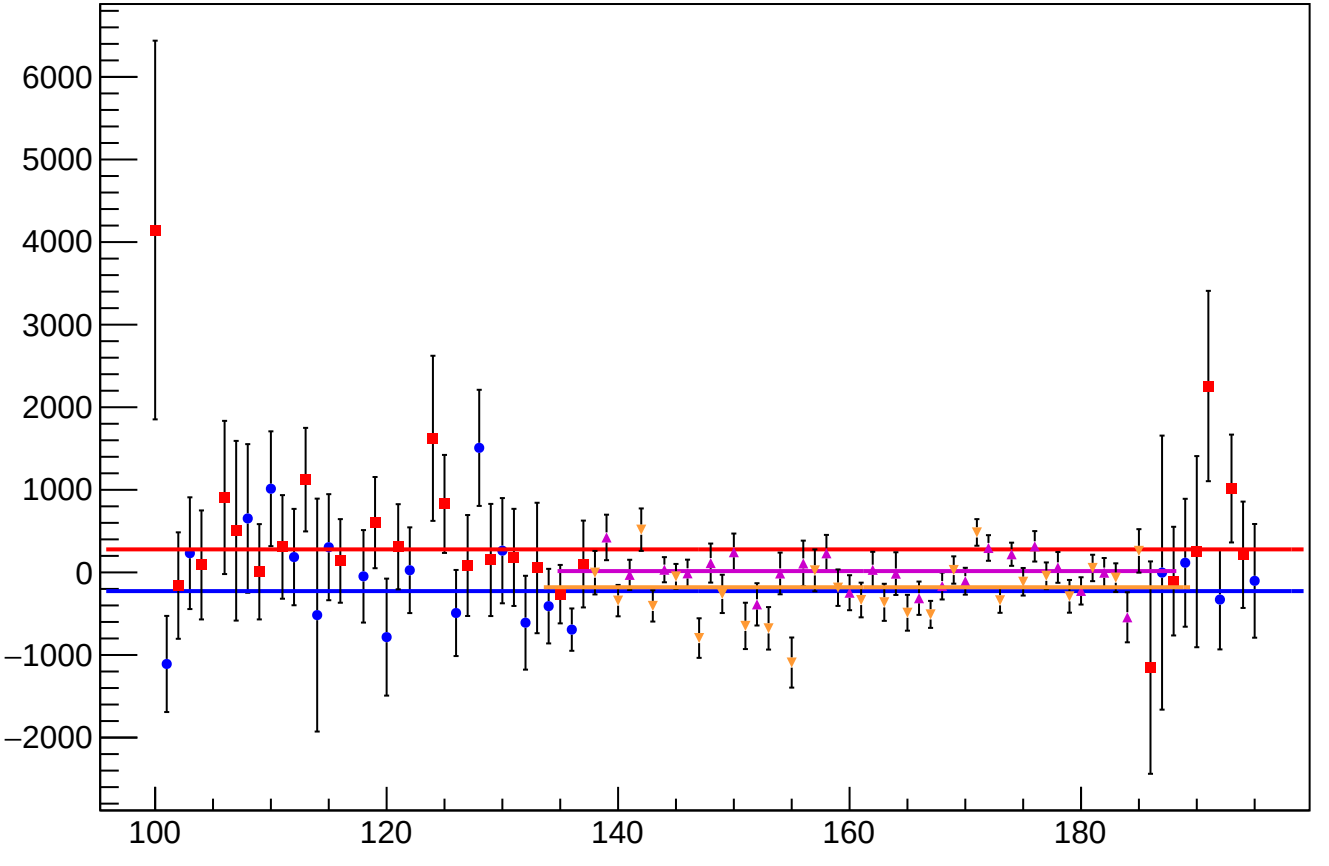
Right: 407.022+/-0.066 χ^2/NDF: 4010267.2/44

In: 190.710+/-0.028 χ^2/NDF:8372375.6/42

Out: 192.027+/-0.027 χ^2/NDF:10088962.4/49

All: 191.385+/-0.019 χ^2/NDF: 18462498.7/92

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -226.419+/-127.544 χ^2/NDF: 20.2/19

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 278.800+/-129.217 χ^2/NDF: 17.5/24

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

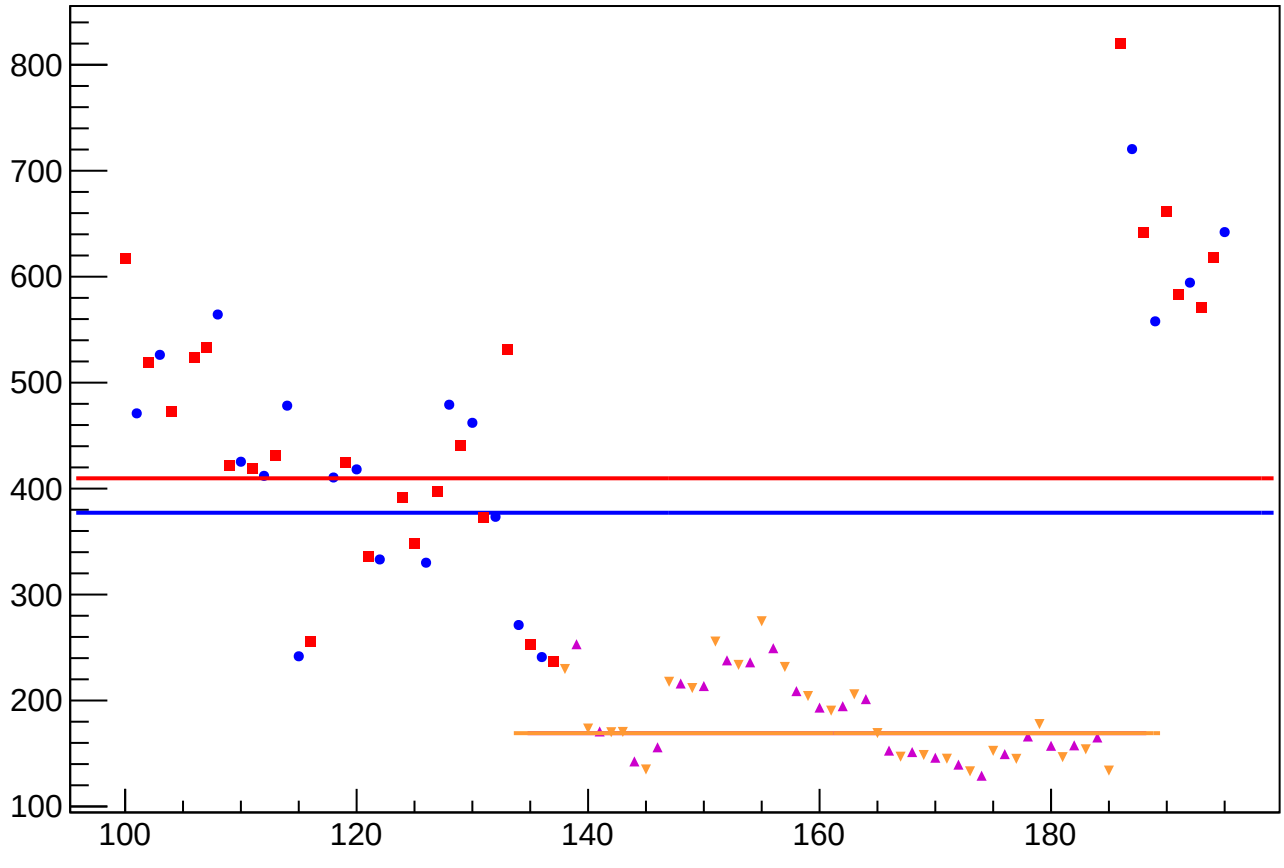
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 22.899+/-90.773 χ^2/NDF: 45.5/44

In: -6.049+/-38.511 χ^2/NDF:50.1/42

Out: -140.724+/-37.655 χ^2/NDF:96.2/49

All: -74.899+/-26.924 χ^2/NDF: 152.5/92



Right In: 377.213+/-0.090 χ^2/NDF: 1897789.3/19

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 409.716+/-0.091 χ^2/NDF: 1997822.6/24

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

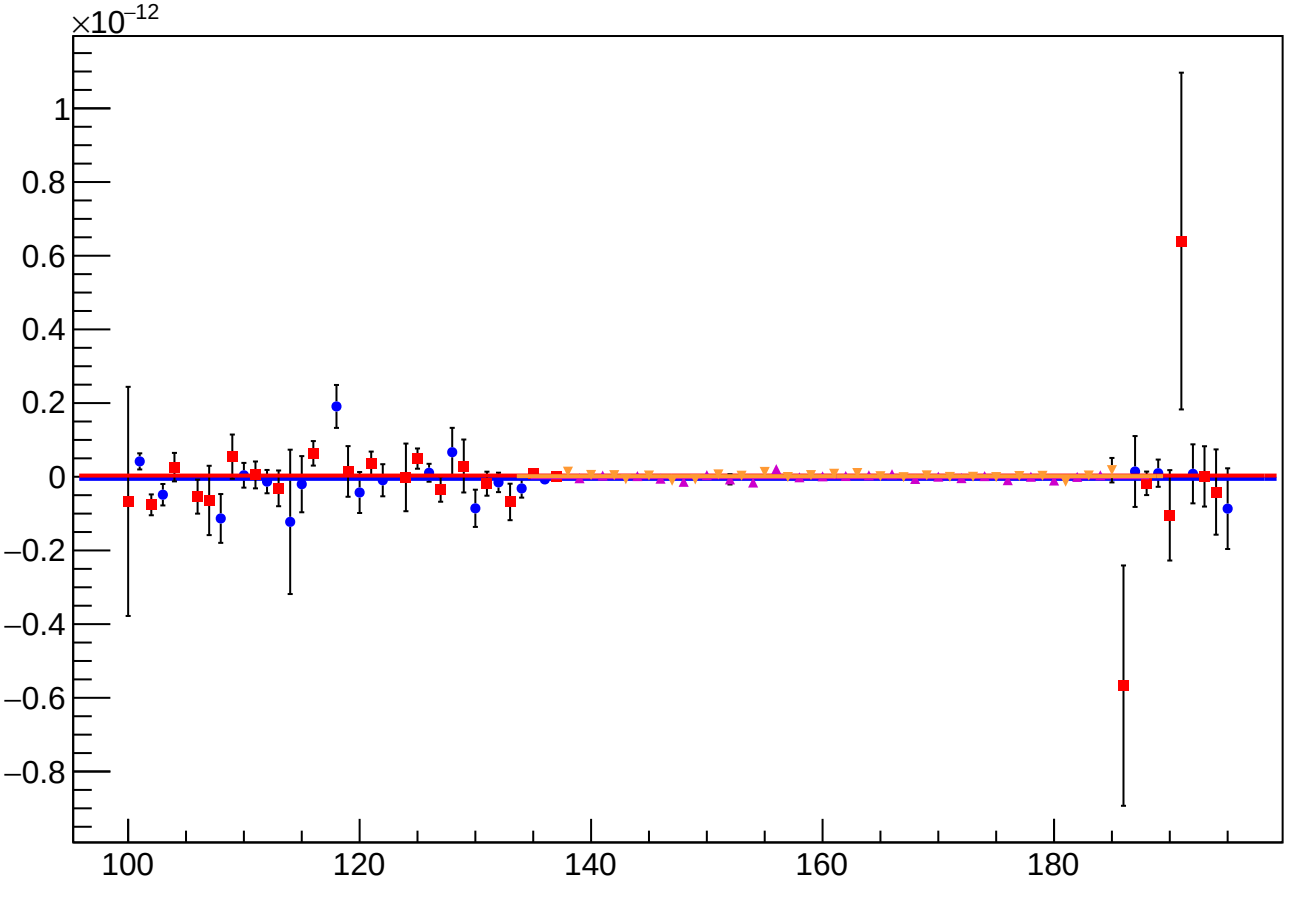
Right: 393.253+/-0.064 χ^2/NDF: 3959707.3/44

In: 188.152+/-0.027 χ^2/NDF:8107605.8/42

Out: 189.608+/-0.027 χ^2/NDF:9887282.2/49

All: 188.896+/-0.019 χ^2/NDF: 17996348.4/92

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/19

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/24

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

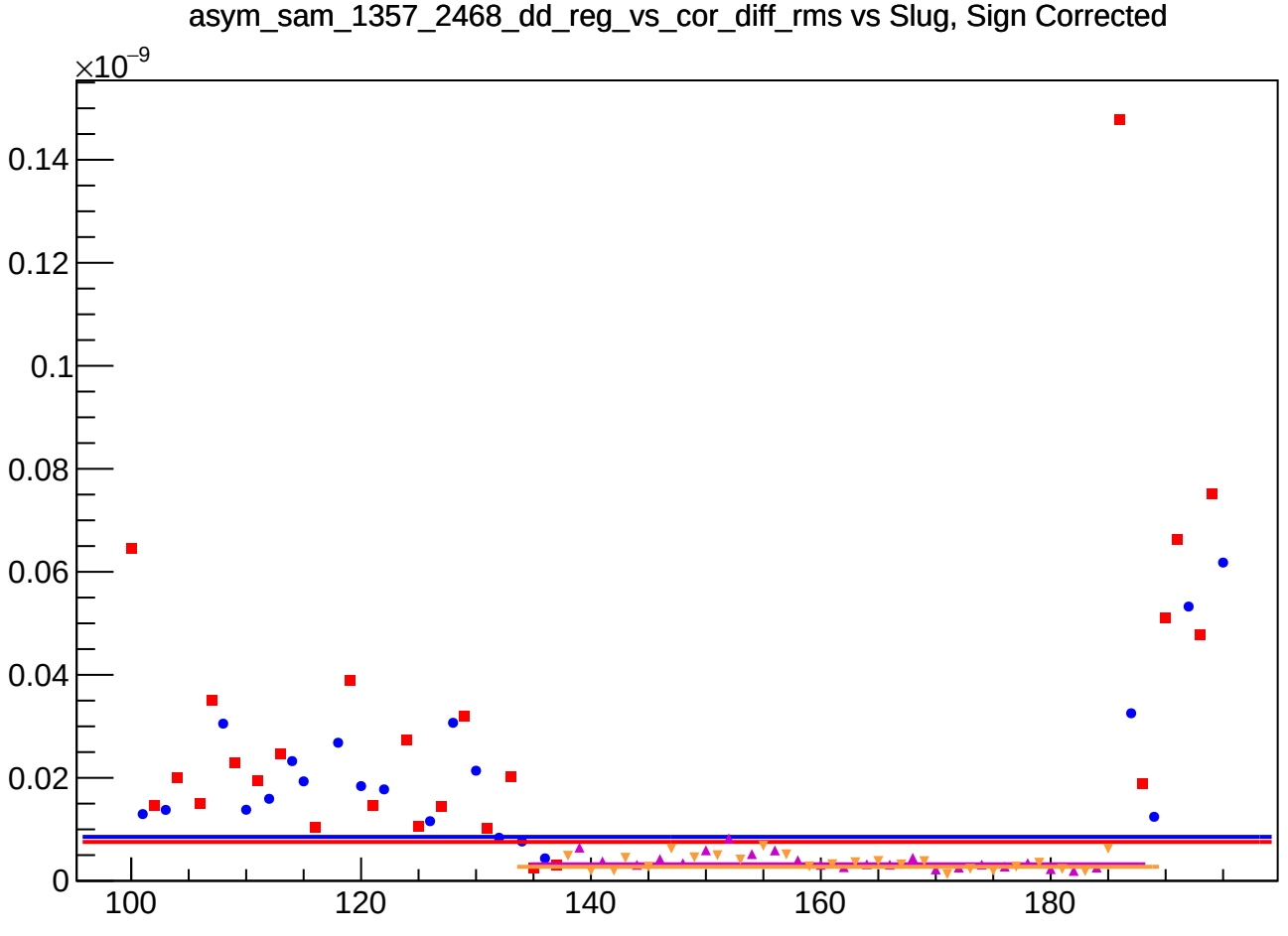
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 58.8/44

In: -0.000+/-0.000 χ^2/NDF:48.3/42

Out: 0.000+/-0.000 χ^2/NDF:48.3/49

All: 0.000+/-0.000 χ^2/NDF: 100.0/92



Right In: 0.000+/-0.000 χ^2/NDF: 3210480.8/19

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5491193.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

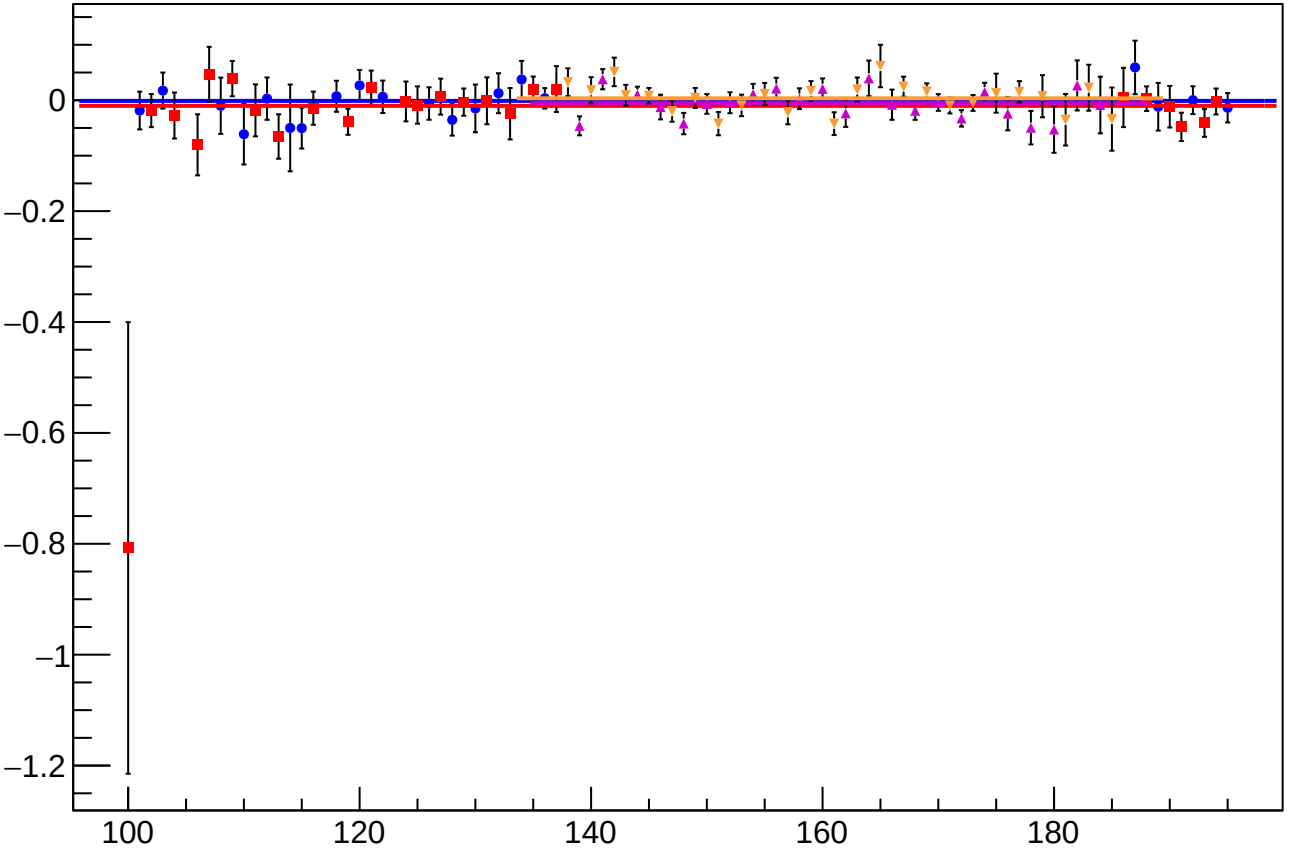
Right: 0.000+/-0.000 χ^2/NDF: 8733820.2/44

In: 0.000+/-0.000 χ^2/NDF:6281383.7/42

Out: 0.000+/-0.000 χ^2/NDF:8909575.1/49

All: 0.000+/-0.000 χ^2/NDF: 15401759.2/92

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

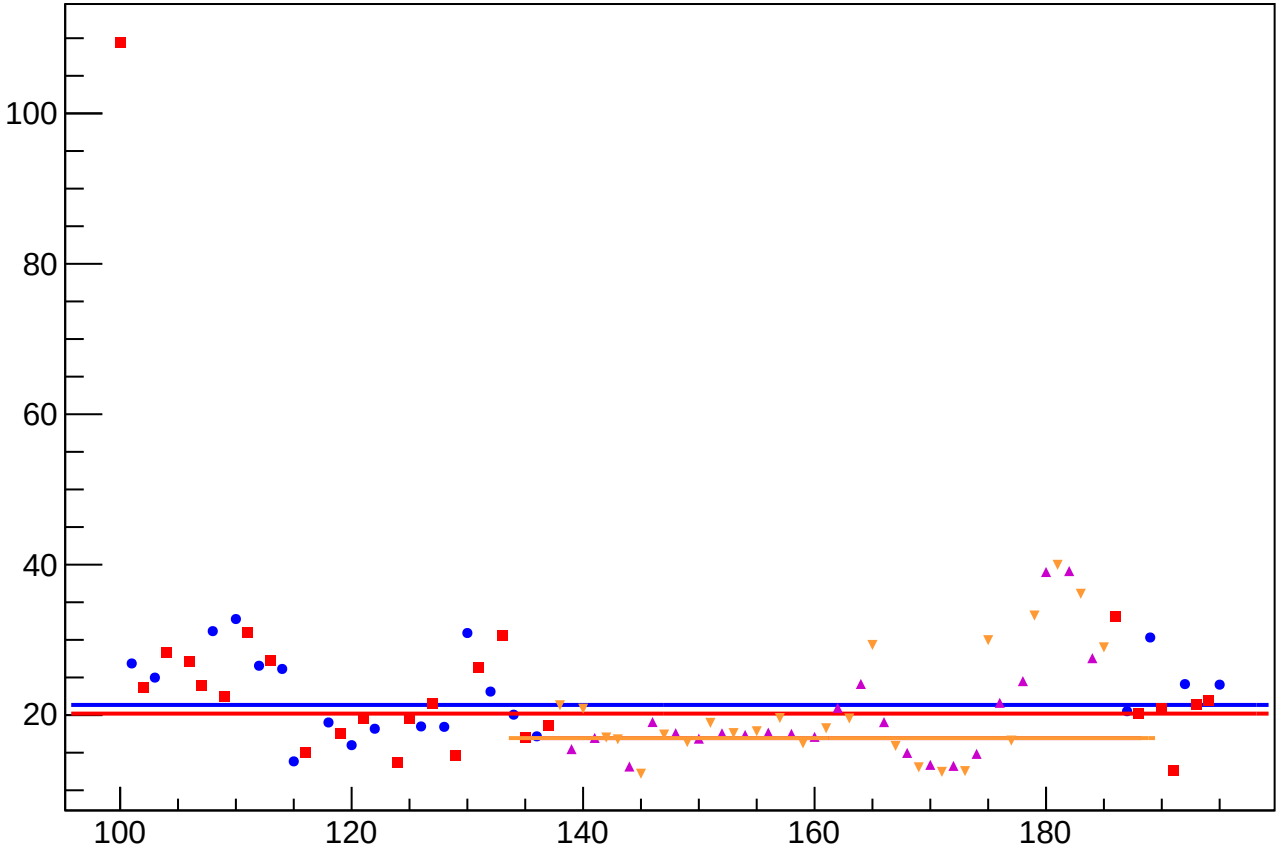
Right: -0.006+/-0.005 χ^2/NDF: 31.7/44

In: -0.004+/-0.004 χ^2/NDF:43.6/42

Out: -0.000+/-0.003 χ^2/NDF:50.9/49

All: -0.002+/-0.002 χ^2/NDF: 95.1/92

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.349+/-0.005 χ^2/NDF: 859787.0/19

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.194+/-0.005 χ^2/NDF: 1176899.6/24

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

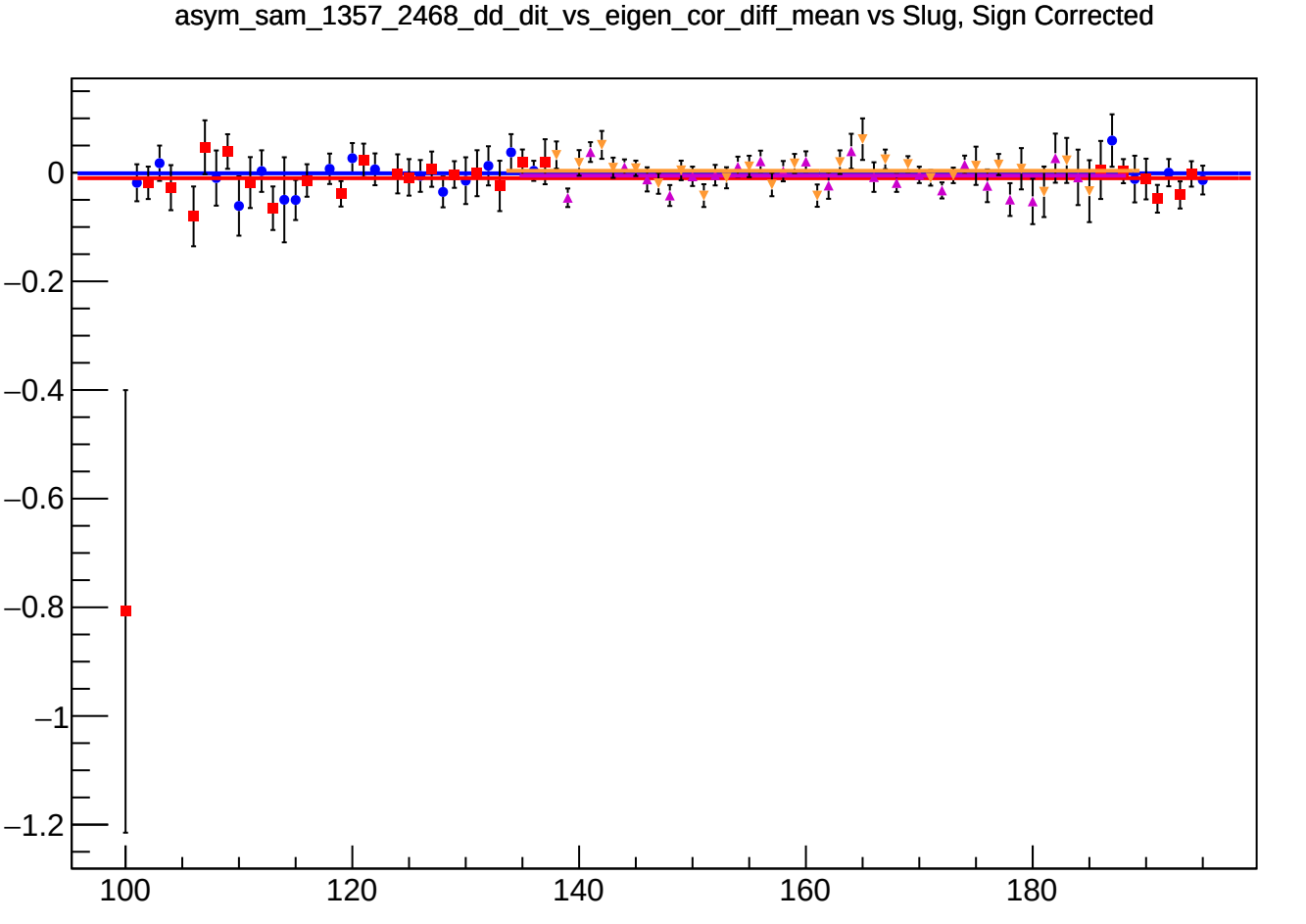
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.708+/-0.003 χ^2/NDF: 2065358.3/44

In: 18.061+/-0.003 χ^2/NDF:3362912.7/42

Out: 17.876+/-0.002 χ^2/NDF:4378295.6/49

All: 17.964+/-0.002 χ^2/NDF: 7743970.0/92



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

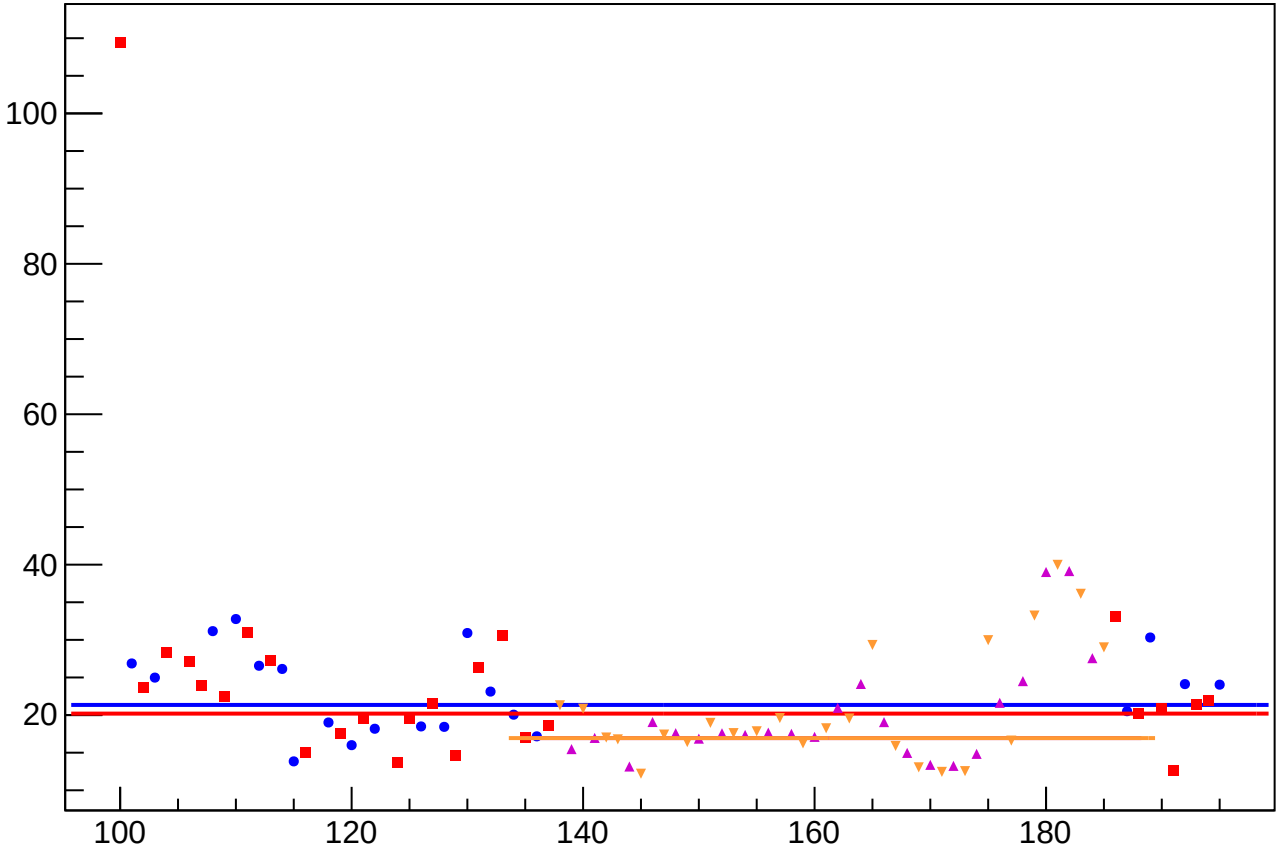
Right: -0.006+/-0.005 χ^2/NDF: 31.7/44

In: -0.004+/-0.004 χ^2/NDF:43.6/42

Out: -0.000+/-0.003 χ^2/NDF:50.9/49

All: -0.002+/-0.002 χ^2/NDF: 95.1/92

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.349+/-0.005 χ^2/NDF: 859787.0/19

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.194+/-0.005 χ^2/NDF: 1176899.6/24

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

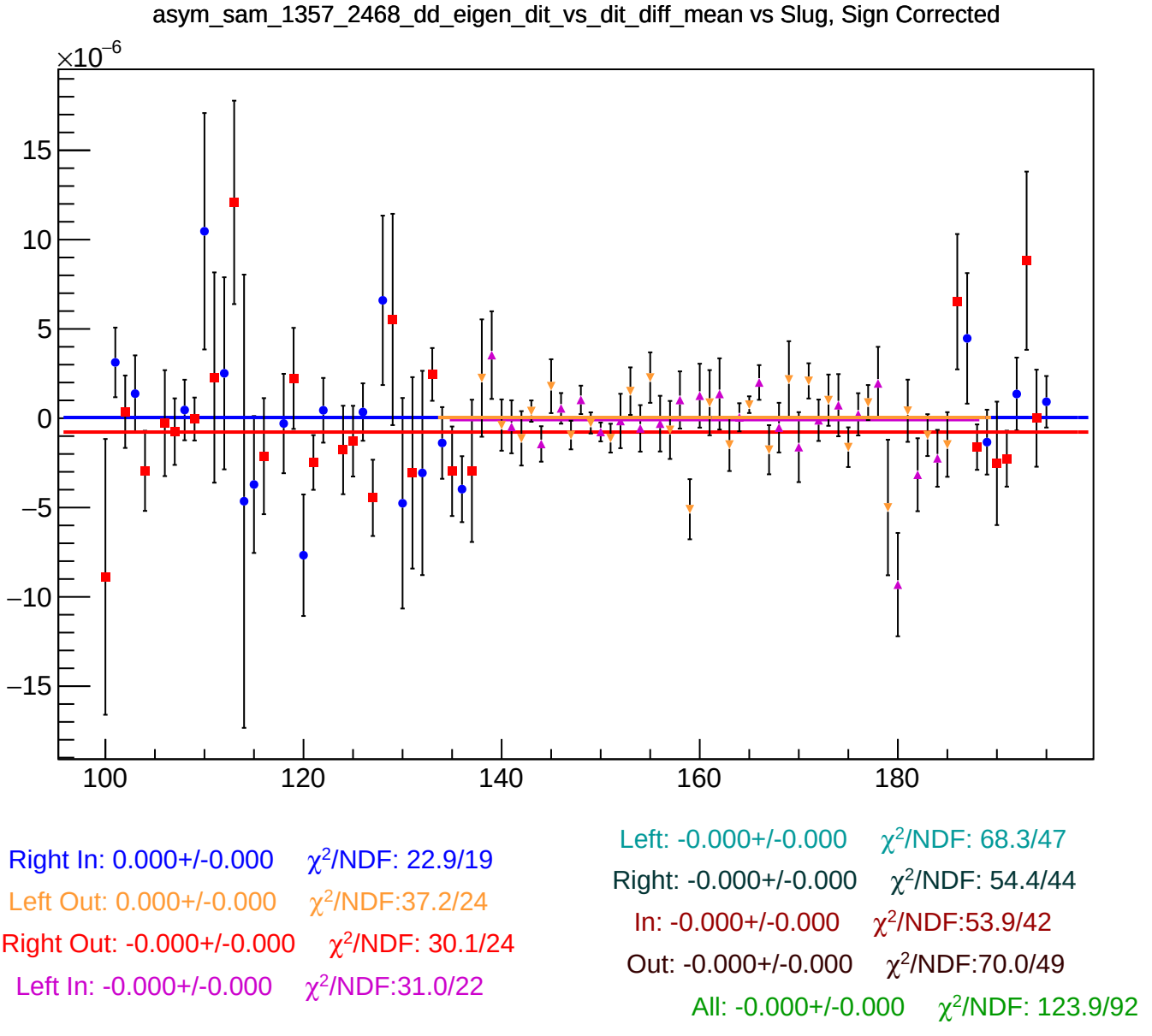
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

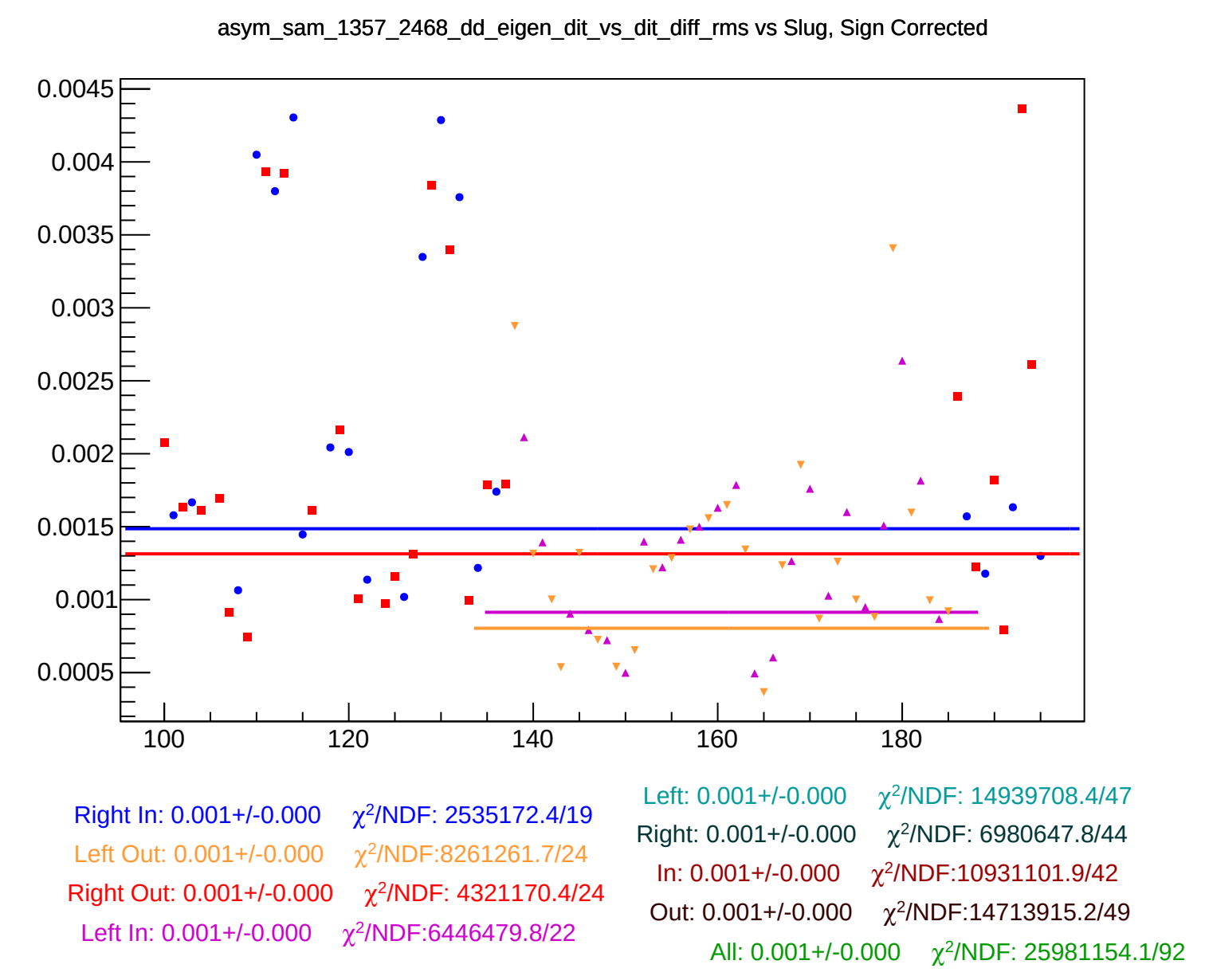
Right: 20.708+/-0.003 χ^2/NDF: 2065358.3/44

In: 18.061+/-0.003 χ^2/NDF:3362912.7/42

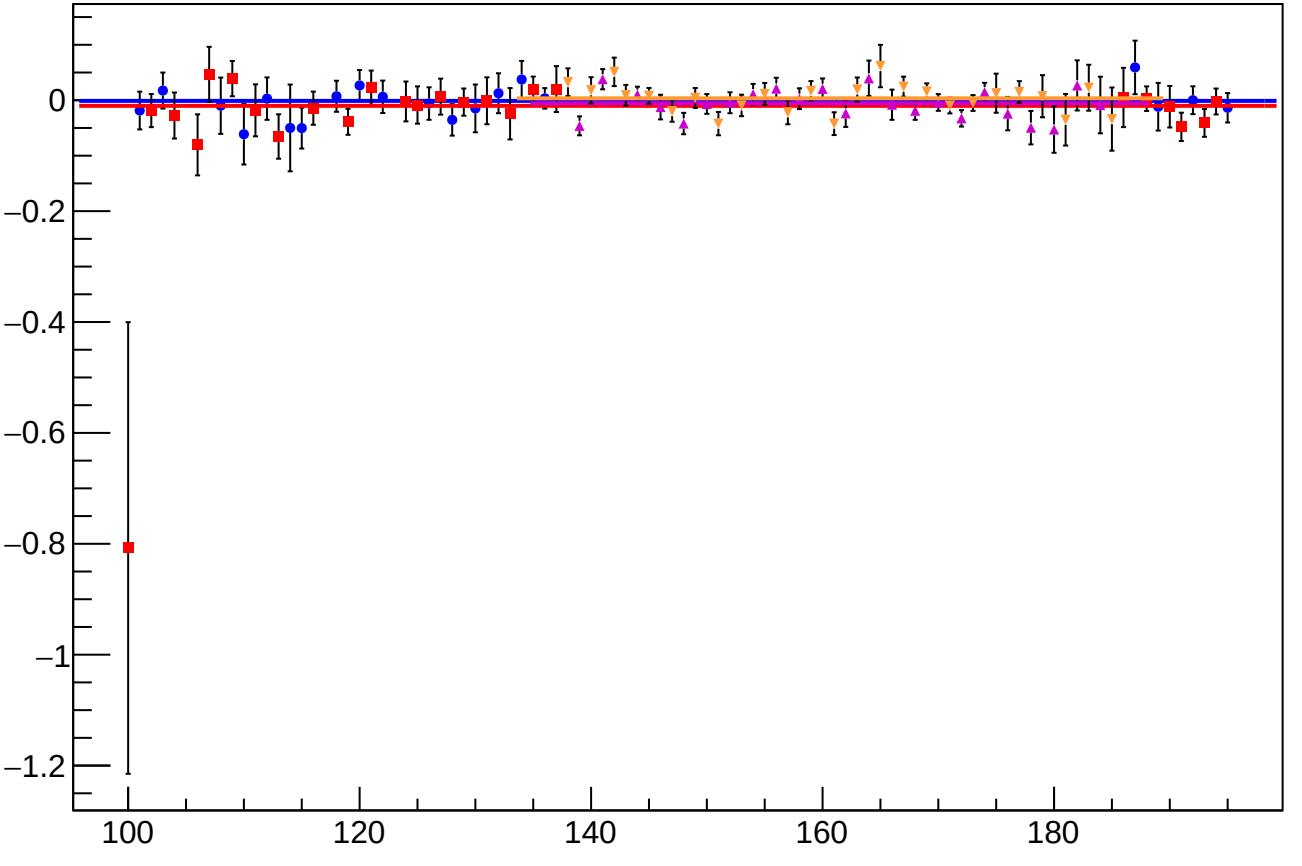
Out: 17.876+/-0.002 χ^2/NDF:4378295.6/49

All: 17.964+/-0.002 χ^2/NDF: 7743970.0/92


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
15
10
5
0
−5
−10
−15
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 22.9/19
Left Out: 0.000+/-0.000 χ²/NDF:37.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.1/24
Left In: -0.000+/-0.000 χ²/NDF:31.0/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/47
Right: -0.000+/-0.000 χ²/NDF: 54.4/44
In: -0.000+/-0.000 χ²/NDF:53.9/42
Out: -0.000+/-0.000 χ²/NDF:70.0/49
All: -0.000+/-0.000 χ²/NDF: 123.9/92


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 2535172.4/19
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 4321170.4/24
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
Left: 0.001+/-0.000 χ²/NDF: 14939708.4/47
Right: 0.001+/-0.000 χ²/NDF: 6980647.8/44
In: 0.001+/-0.000 χ²/NDF:10931101.9/42
Out: 0.001+/-0.000 χ²/NDF:14713915.2/49
All: 0.001+/-0.000 χ²/NDF: 25981154.1/92

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

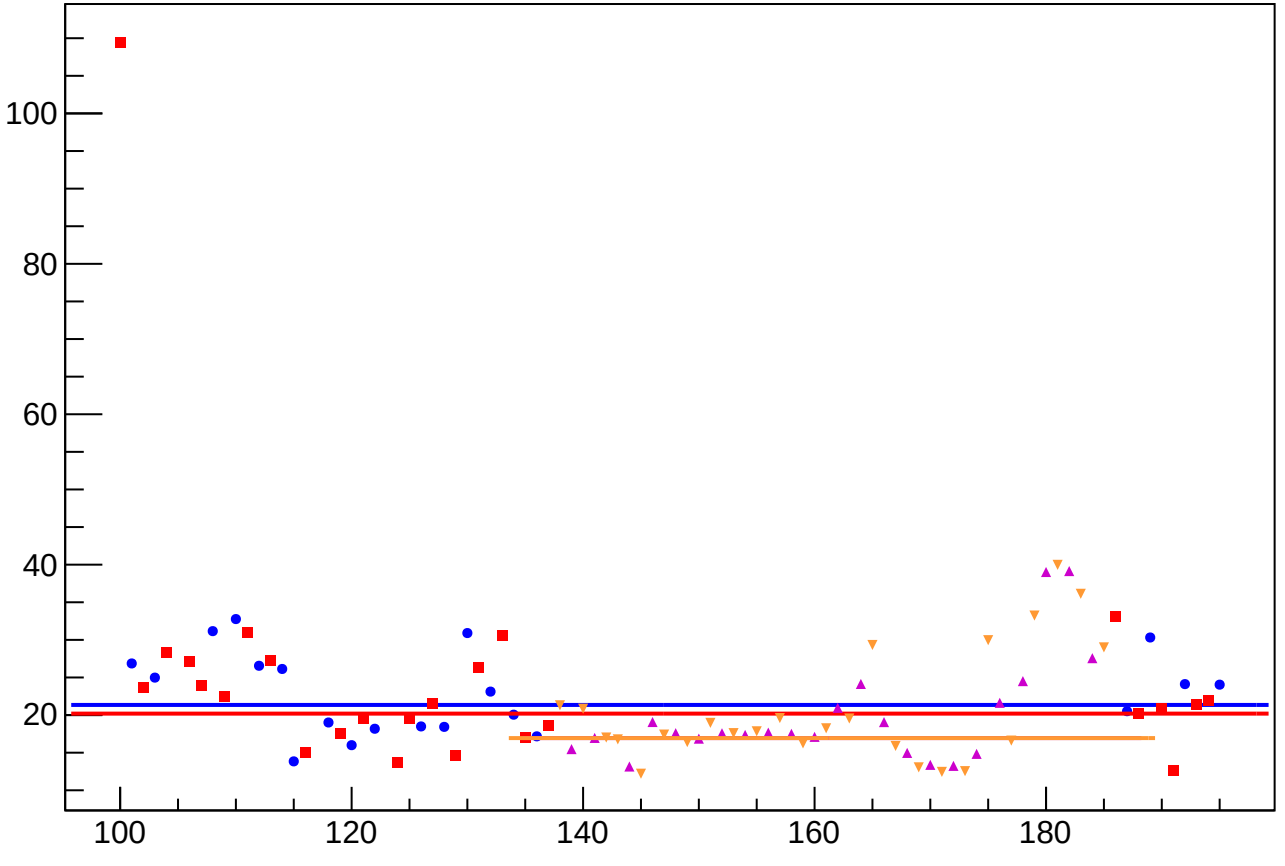
Right: -0.006+/-0.005 χ^2/NDF: 31.7/44

In: -0.004+/-0.004 χ^2/NDF:43.6/42

Out: -0.000+/-0.003 χ^2/NDF:50.8/49

All: -0.002+/-0.002 χ^2/NDF: 95.1/92

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.349+/-0.005 χ^2/NDF: 859711.8/19

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.194+/-0.005 χ^2/NDF: 1176897.1/24

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

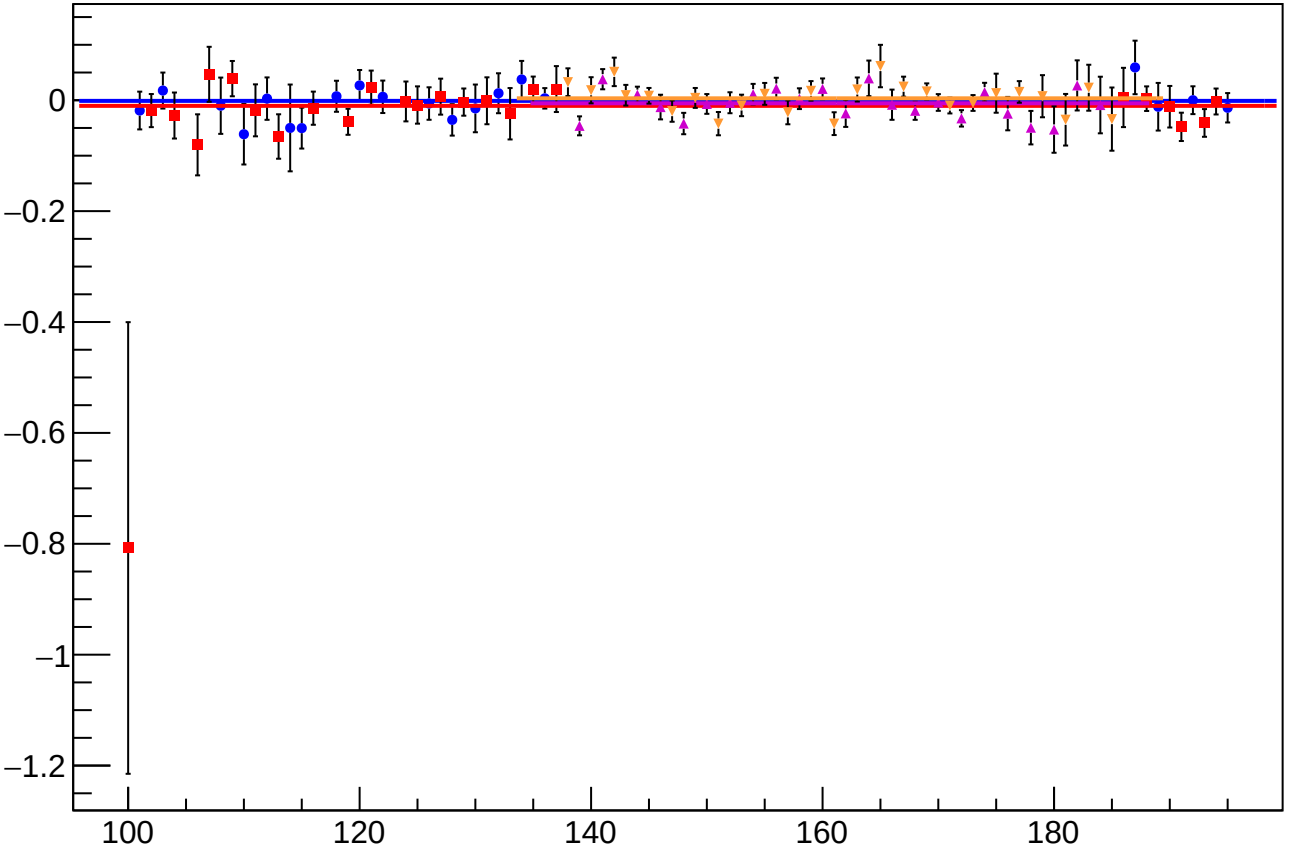
Right: 20.708+/-0.003 χ^2/NDF: 2065282.2/44

In: 18.061+/-0.003 χ^2/NDF:3362703.1/42

Out: 17.876+/-0.002 χ^2/NDF:4378148.3/49

All: 17.964+/-0.002 χ^2/NDF: 7743612.4/92

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.007 χ^2/NDF: 10.1/19

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

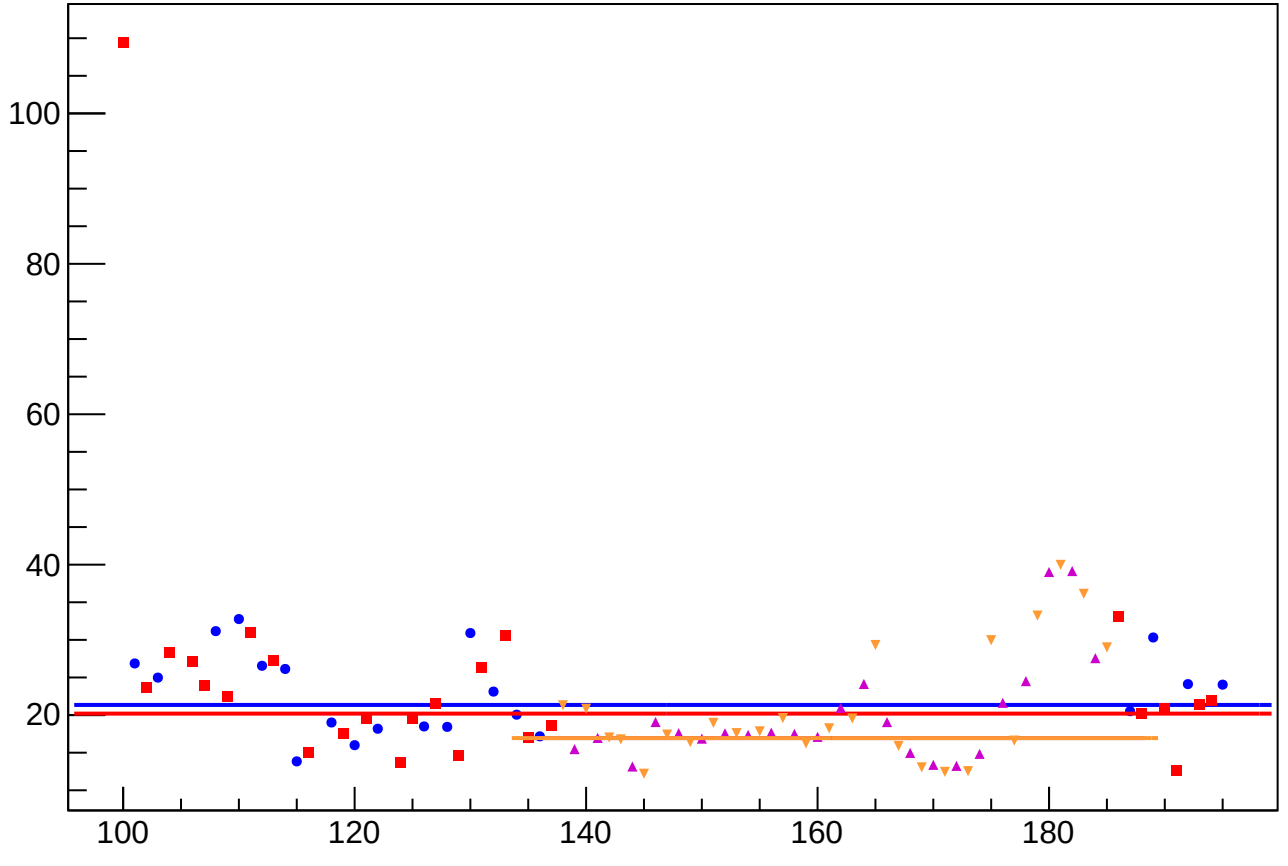
Right: -0.006+/-0.005 χ^2/NDF: 31.7/44

In: -0.004+/-0.004 χ^2/NDF:43.6/42

Out: -0.000+/-0.003 χ^2/NDF:50.8/49

All: -0.002+/-0.002 χ^2/NDF: 95.1/92

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.349+/-0.005 χ^2/NDF: 859711.8/19

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.194+/-0.005 χ^2/NDF: 1176897.1/24

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

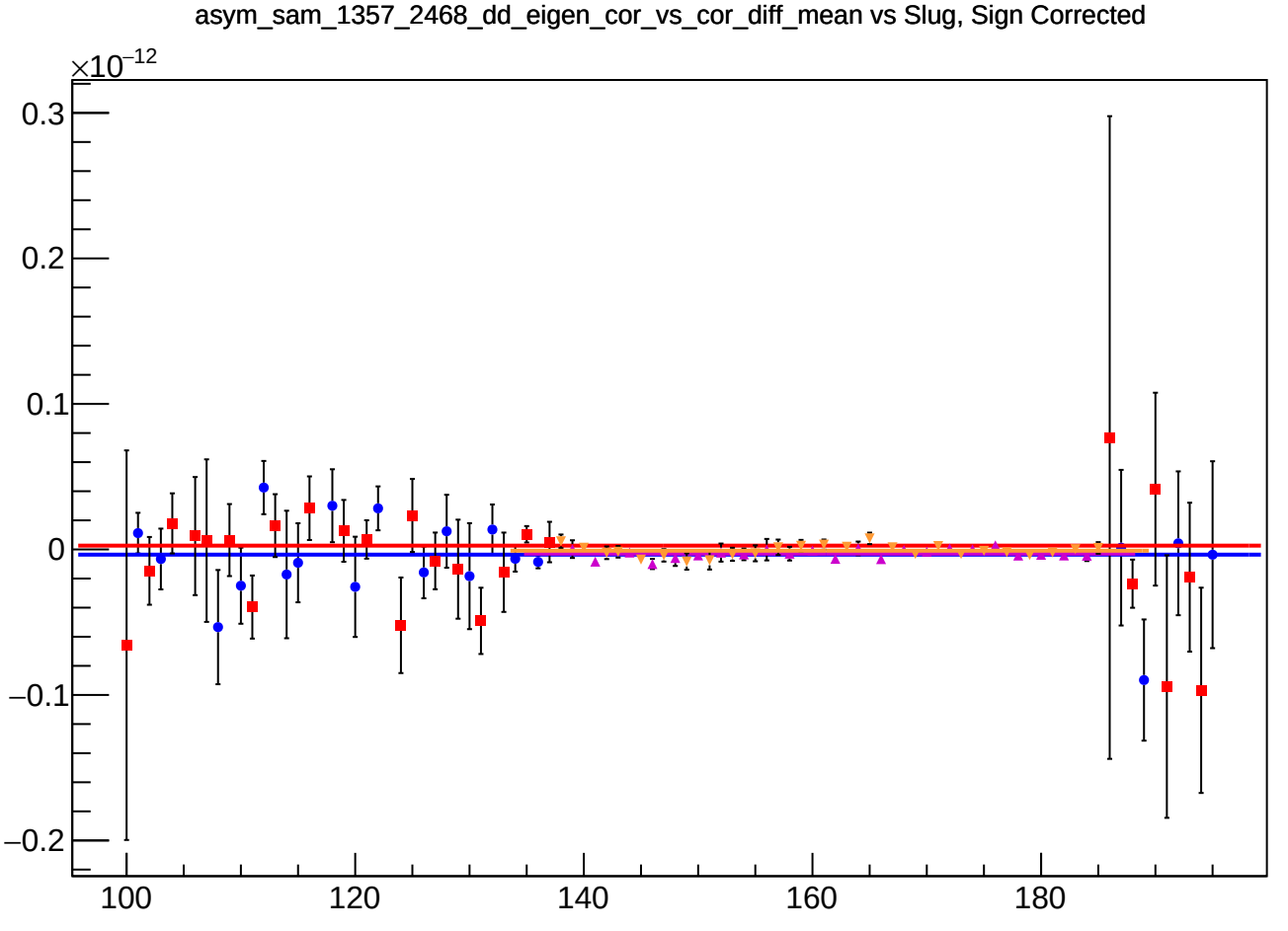
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

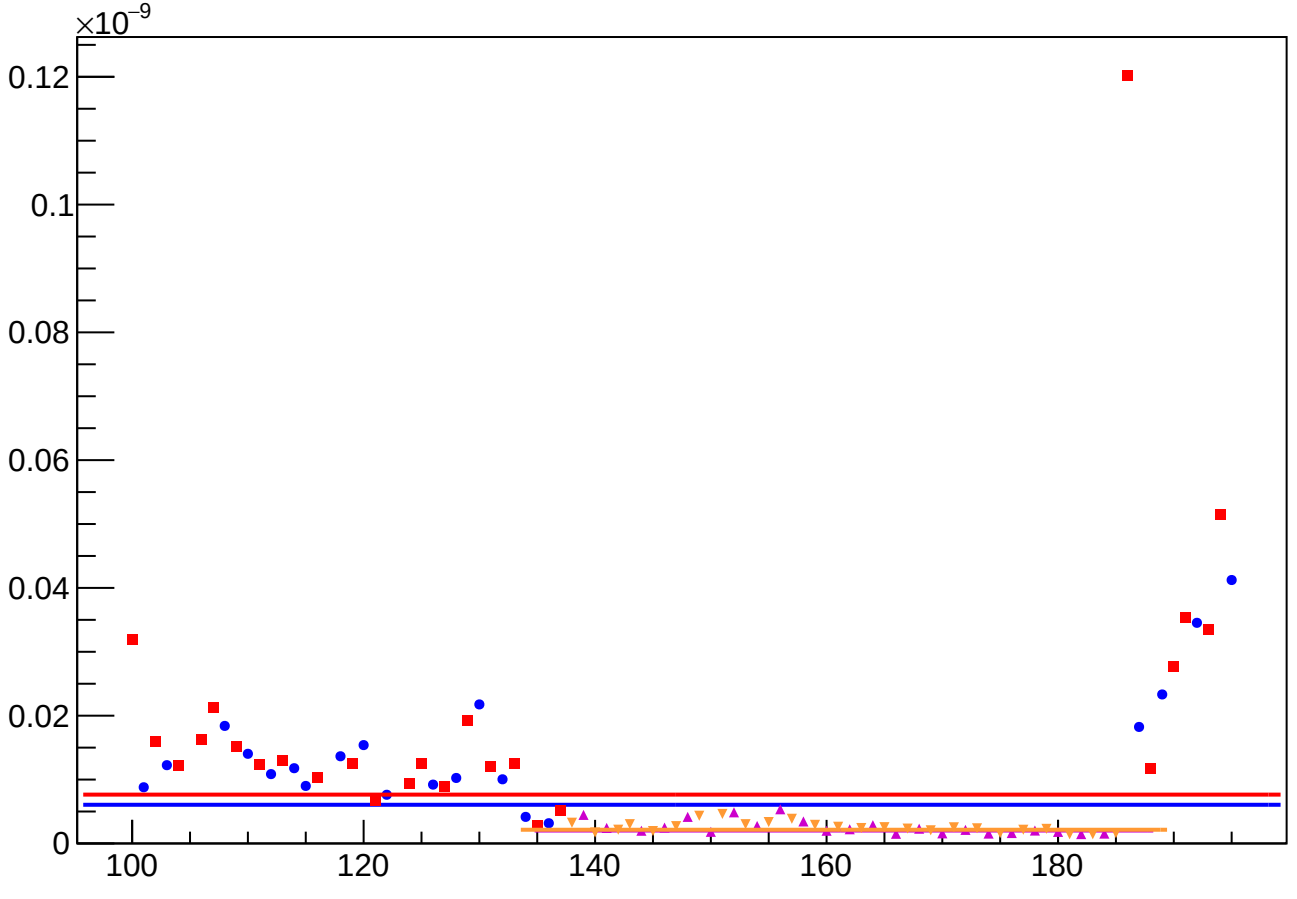
Right: 20.708+/-0.003 χ^2/NDF: 2065282.2/44

In: 18.061+/-0.003 χ^2/NDF:3362703.1/42

Out: 17.876+/-0.002 χ^2/NDF:4378148.3/49

All: 17.964+/-0.002 χ^2/NDF: 7743612.4/92


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 24.3/19
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/24
Left In: -0.000+/-0.000 χ²/NDF:23.1/22
Left: -0.000+/-0.000 χ²/NDF: 51.6/47
Right: -0.000+/-0.000 χ²/NDF: 51.0/44
In: -0.000+/-0.000 χ²/NDF:47.5/42
Out: -0.000+/-0.000 χ²/NDF:49.6/49
All: -0.000+/-0.000 χ²/NDF: 102.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 4442857.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5463278.1/24

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

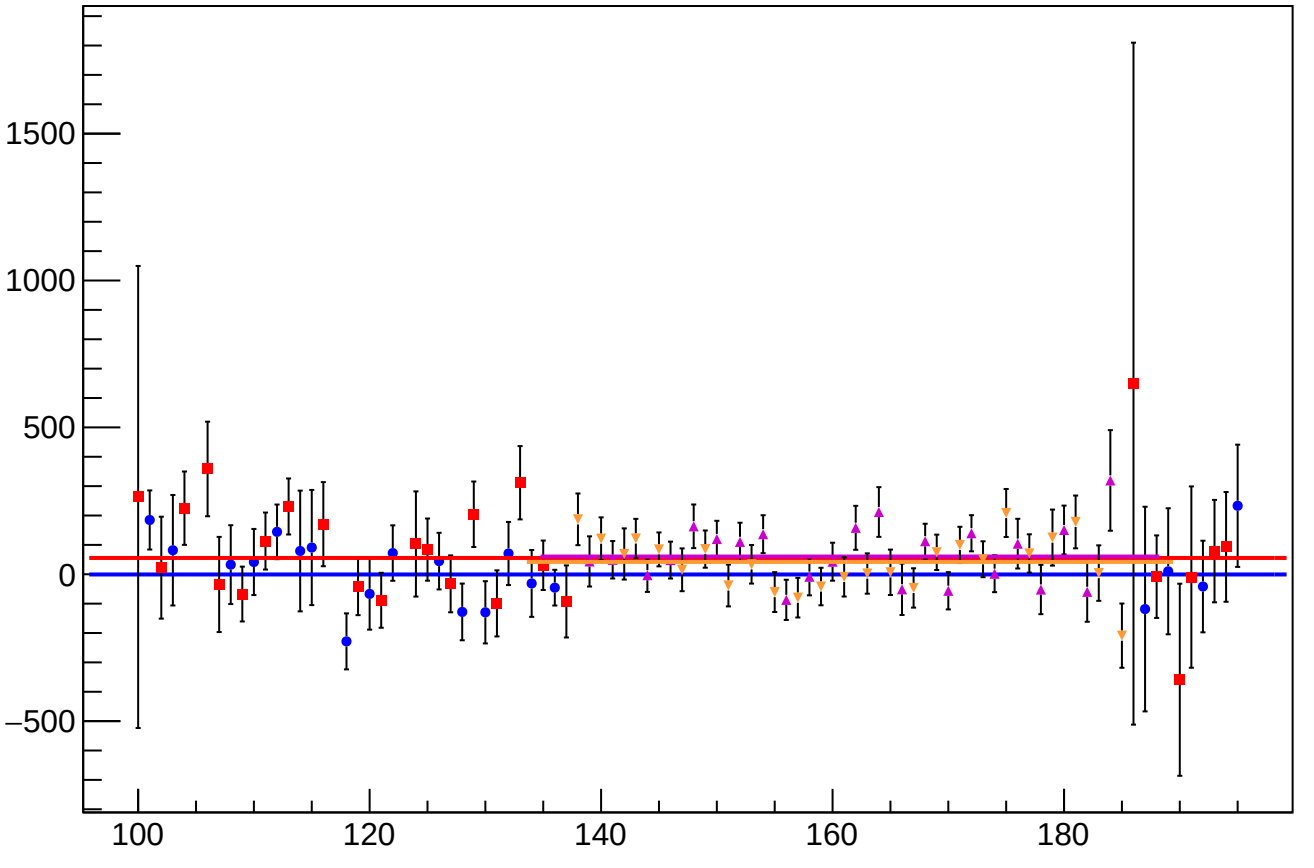
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 10113315.1/44

In: 0.000+/-0.000 χ^2/NDF:9821443.9/42

Out: 0.000+/-0.000 χ^2/NDF:11851984.3/49

All: 0.000+/-0.000 χ^2/NDF: 21716618.6/92



Right In: -0.718+/-25.404 χ^2/NDF: 19.2/19

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 55.520+/-25.241 χ^2/NDF: 27.9/24

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

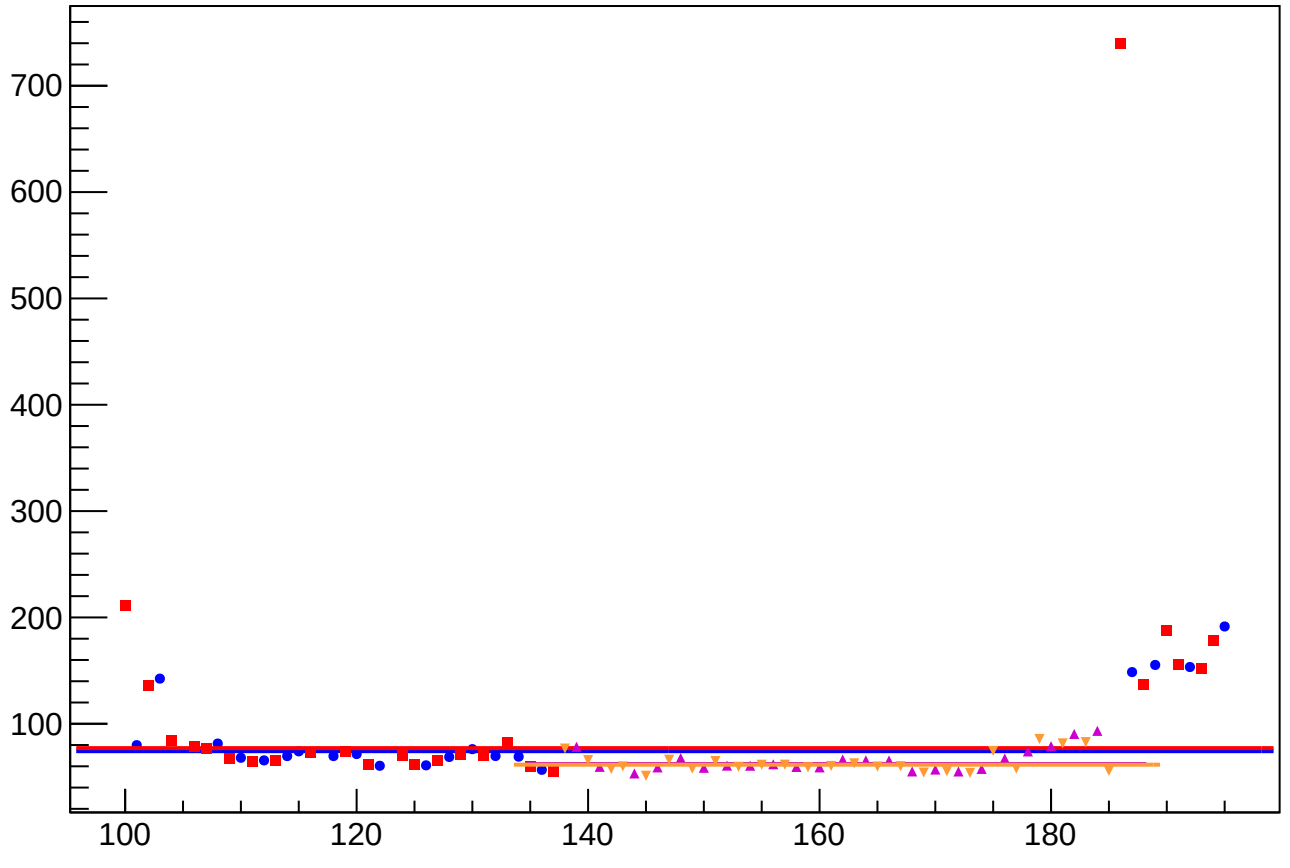
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 27.581+/-17.905 χ^2/NDF: 49.5/44

In: 45.029+/-12.732 χ^2/NDF:55.7/42

Out: 45.253+/-12.363 χ^2/NDF:60.2/49

All: 45.144+/-8.870 χ^2/NDF: 115.8/92



Right In: 74.228+/-0.018 χ^2/NDF: 2094885.2/19

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 77.101+/-0.018 χ^2/NDF: 3010898.4/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

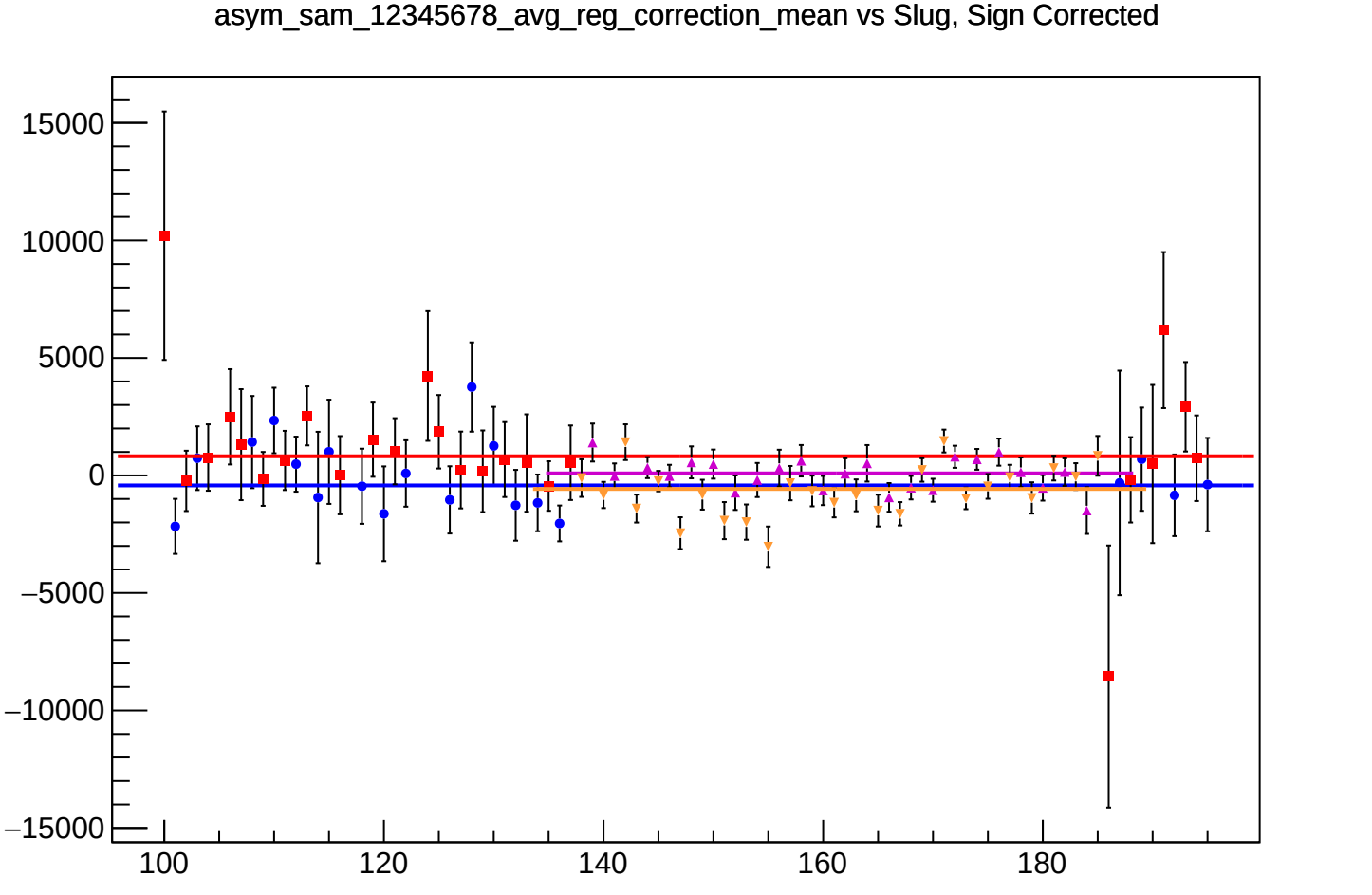
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 75.674+/-0.013 χ^2/NDF: 5118653.1/44

In: 65.180+/-0.009 χ^2/NDF:3030492.4/42

Out: 65.276+/-0.009 χ^2/NDF:4226183.3/49

All: 65.230+/-0.006 χ^2/NDF: 7256734.8/92



Right In: -424.665+/-332.383 χ^2/NDF: 20.9/19

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 816.377+/-331.243 χ^2/NDF: 18.3/24

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

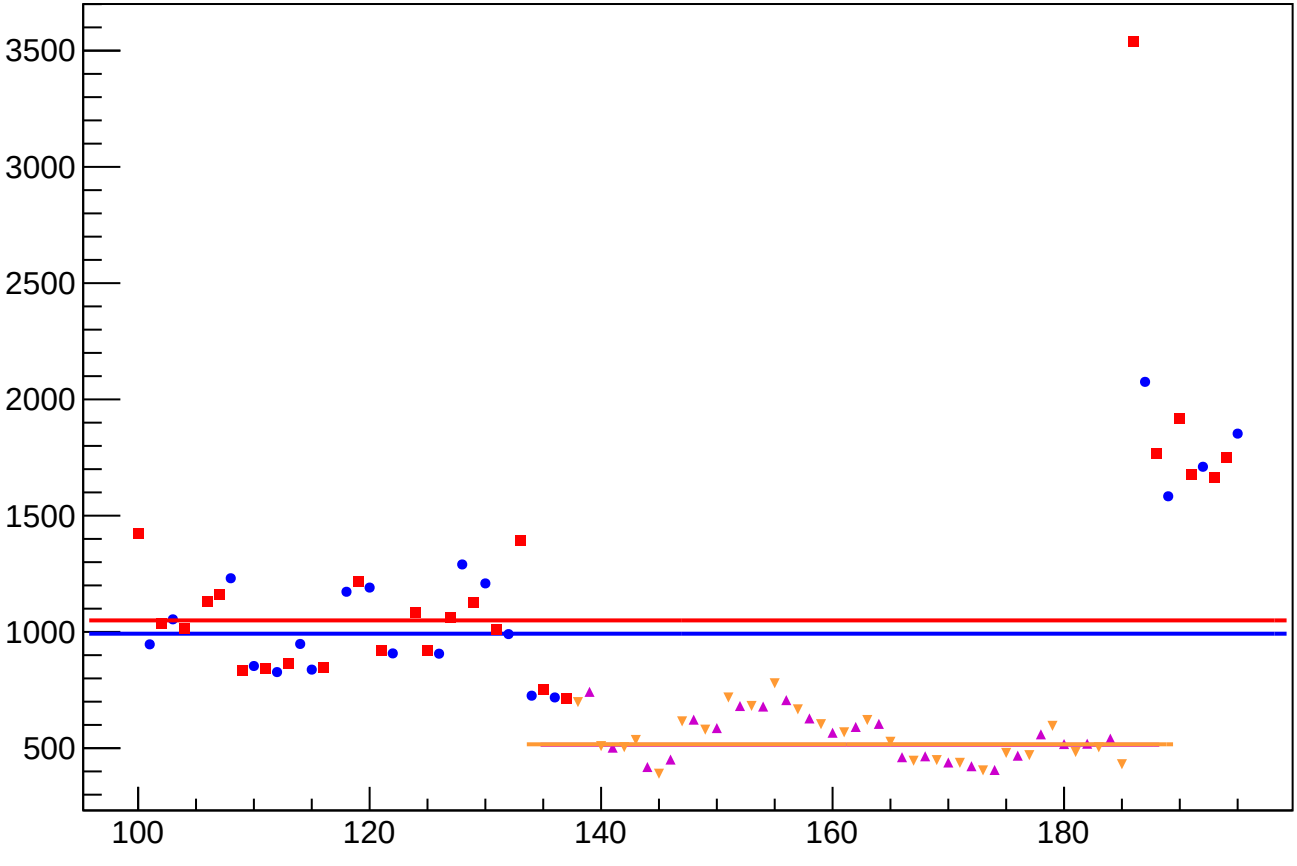
Right: 197.988+/-234.626 χ^2/NDF: 46.2/44

In: 26.993+/-114.936 χ^2/NDF:47.6/42

Out: -414.046+/-112.605 χ^2/NDF:102.7/49

All: -198.043+/-80.435 χ^2/NDF: 157.8/92

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 992.346+/-0.235 χ^2/NDF: 1568820.1/19

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1049.519+/-0.234 χ^2/NDF: 2001672.8/24

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

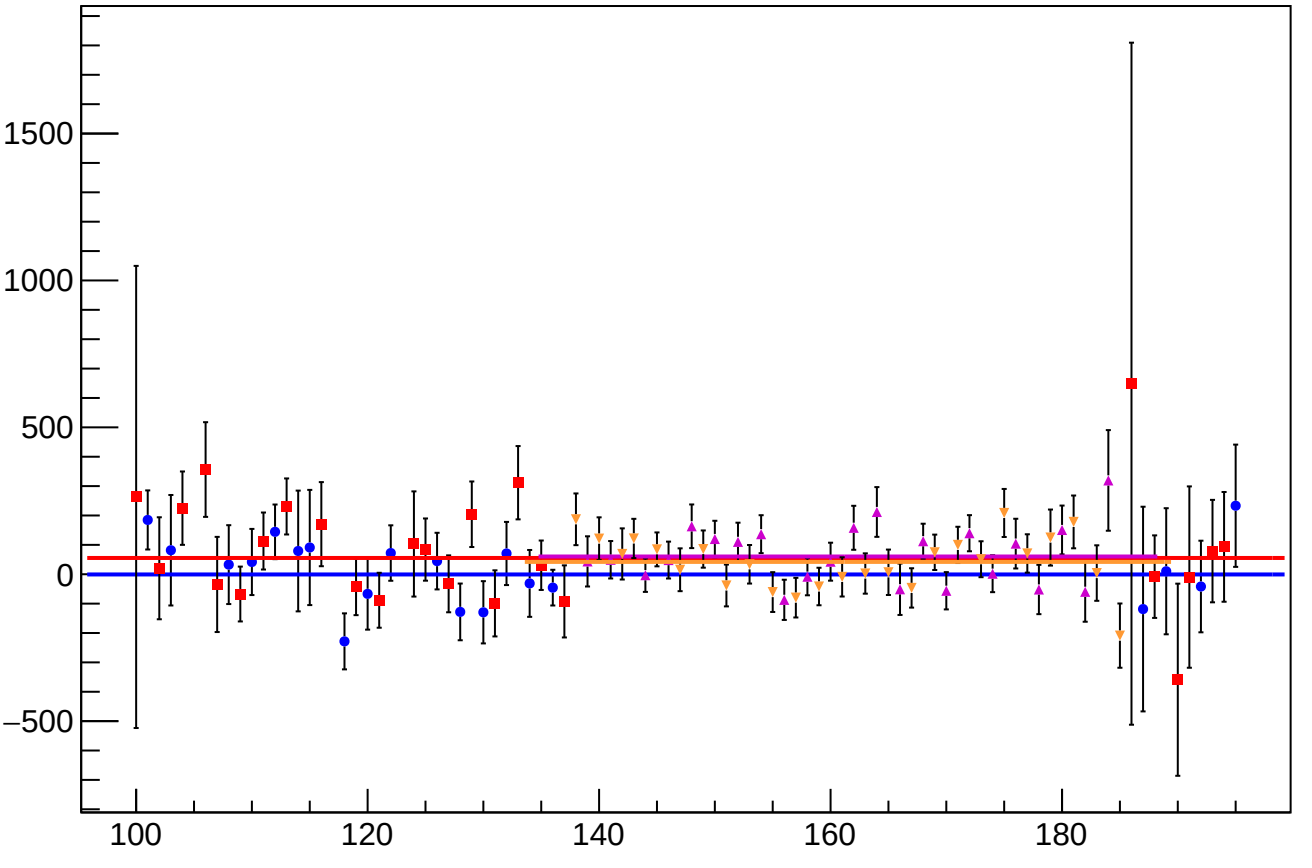
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1021.031+/-0.166 χ^2/NDF: 3600181.9/44

In: 571.885+/-0.081 χ^2/NDF:6324302.1/42

Out: 578.218+/-0.080 χ^2/NDF:7844736.1/49

All: 575.116+/-0.057 χ^2/NDF: 14172136.1/92



Right In: -0.725+/-25.404 χ^2/NDF: 19.2/19

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 55.406+/-25.242 χ^2/NDF: 27.9/24

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

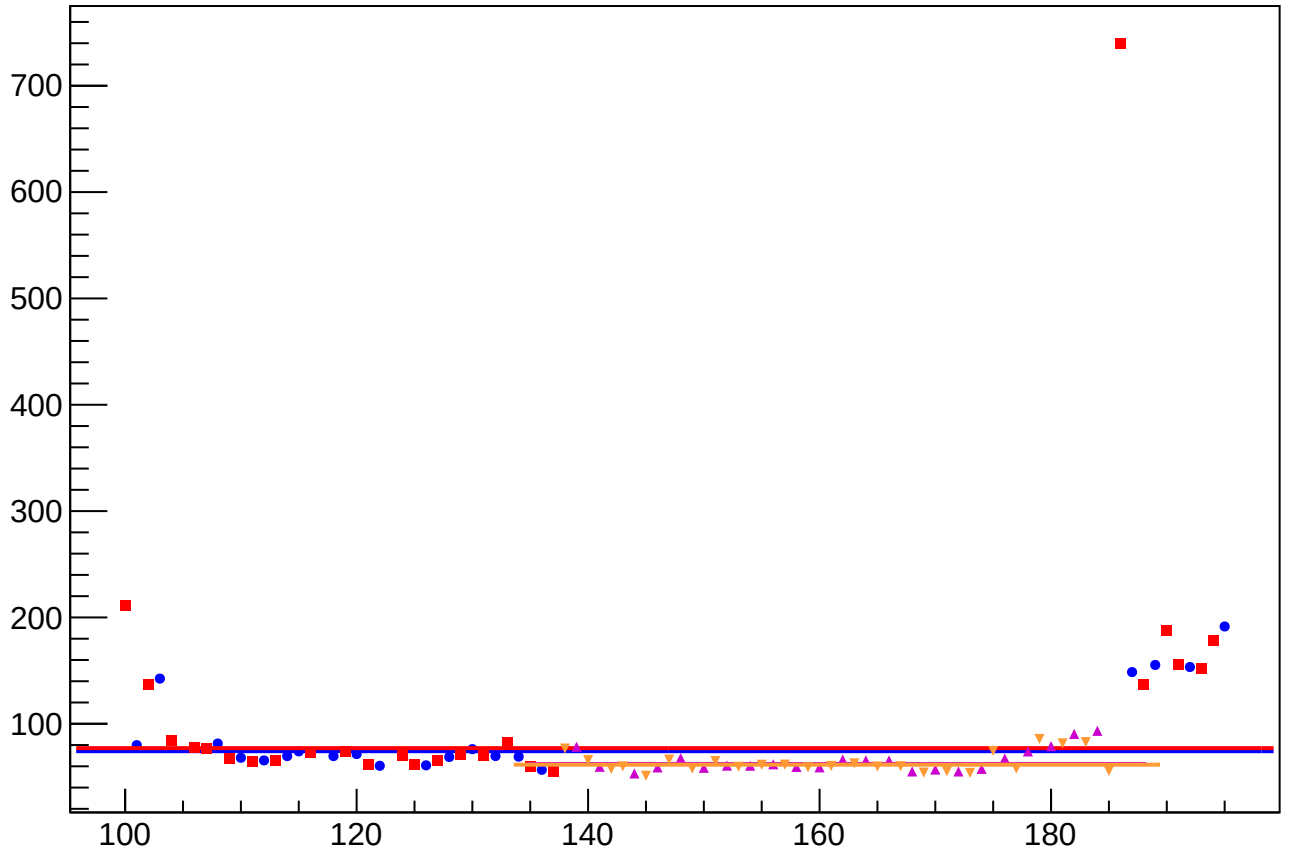
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 27.519+/-17.906 χ^2/NDF: 49.5/44

In: 45.028+/-12.732 χ^2/NDF:55.7/42

Out: 45.229+/-12.364 χ^2/NDF:60.1/49

All: 45.131+/-8.870 χ^2/NDF: 115.8/92



Right In: 74.228+/-0.018 χ^2/NDF: 2094888.3/19

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 77.084+/-0.018 χ^2/NDF: 3011098.5/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

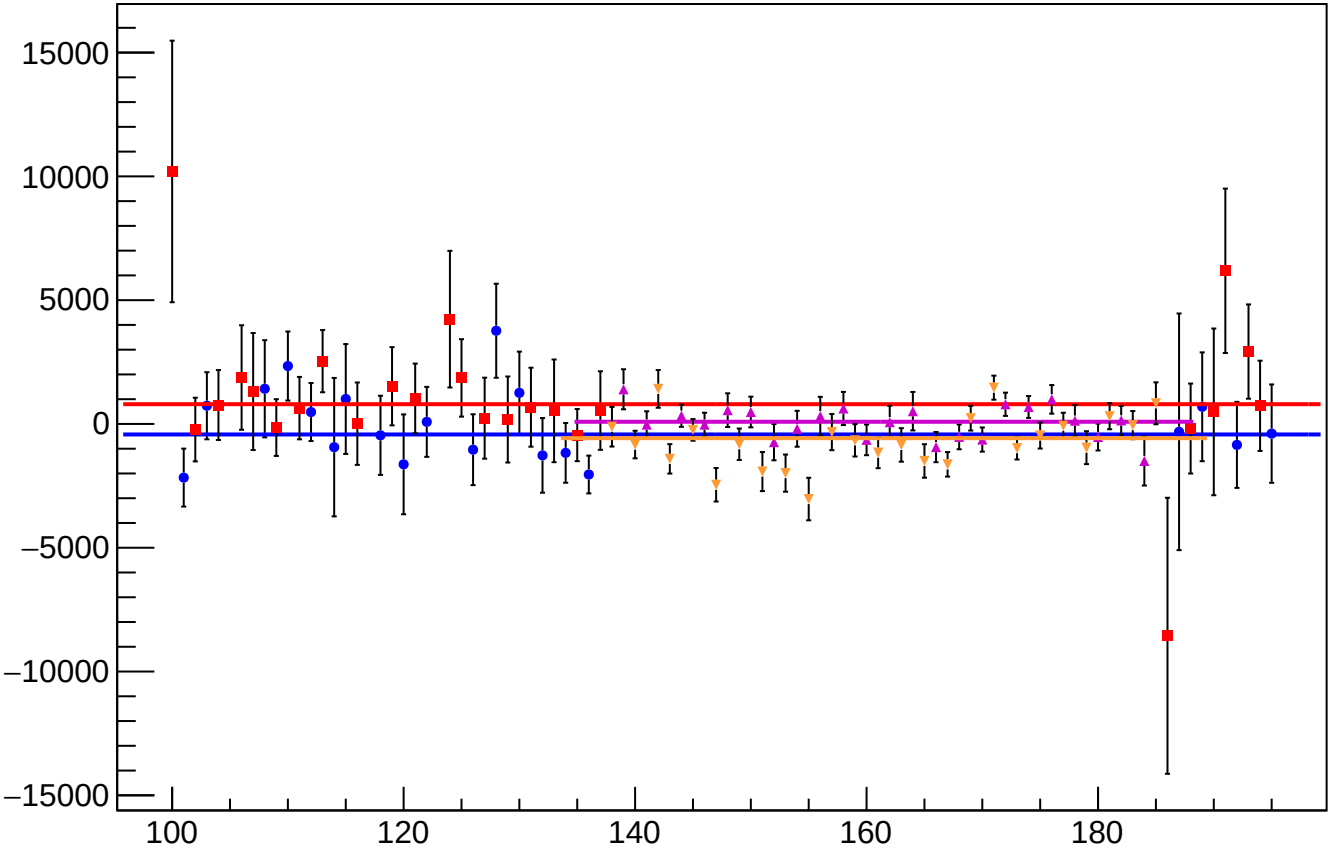
Right: 75.665+/-0.013 χ^2/NDF: 5118703.3/44

In: 65.180+/-0.009 χ^2/NDF:3030495.4/42

Out: 65.272+/-0.009 χ^2/NDF:4225084.3/49

All: 65.227+/-0.006 χ^2/NDF: 7255633.6/92

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -424.637+/-332.385 χ^2/NDF: 20.9/19

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 798.048+/-331.603 χ^2/NDF: 17.9/24

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

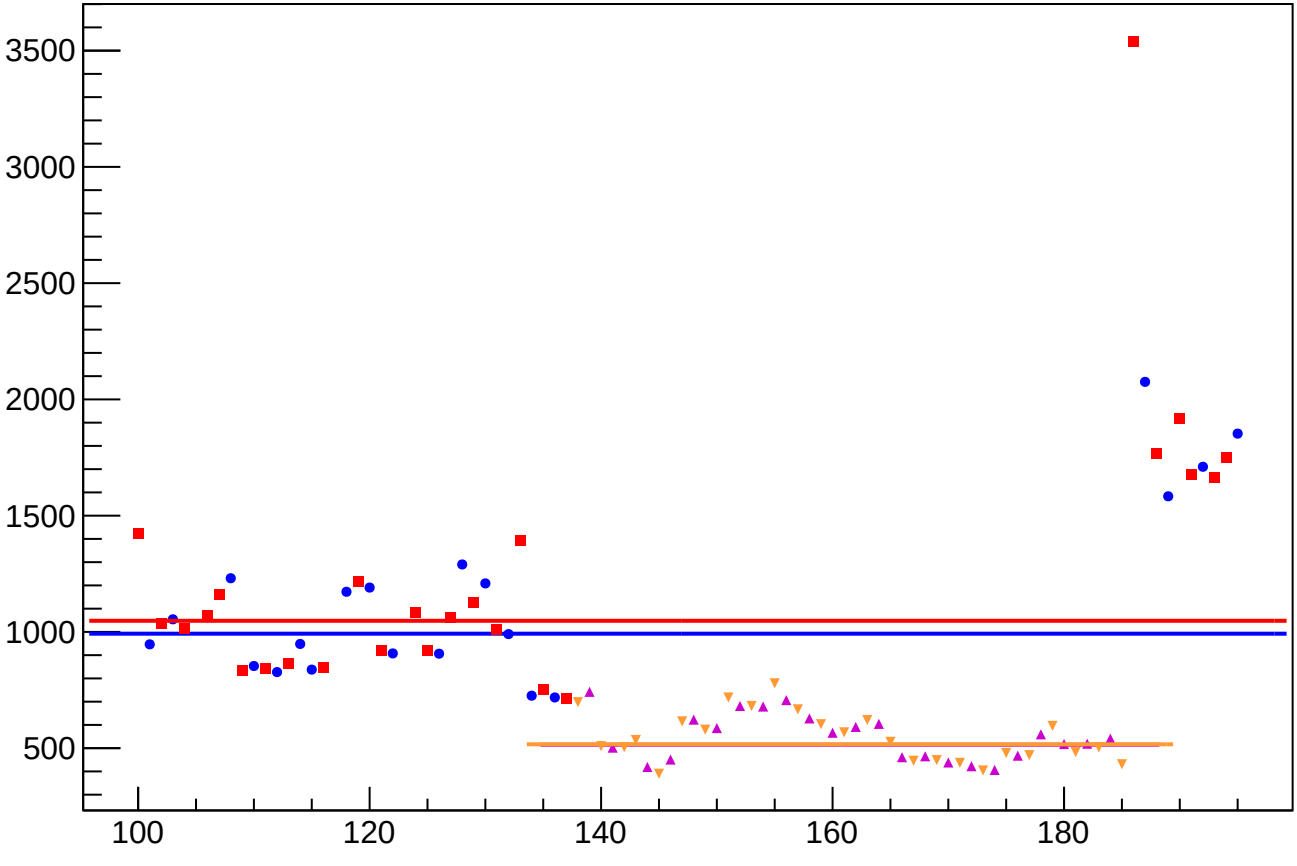
Right: 188.144+/-234.755 χ^2/NDF: 45.5/44

In: 26.997+/-114.936 χ^2/NDF:47.6/42

Out: -416.462+/-112.619 χ^2/NDF:101.8/49

All: -199.247+/-80.440 χ^2/NDF: 157.0/92

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 992.350+/-0.235 χ^2/NDF: 1568833.2/19

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1047.853+/-0.234 χ^2/NDF: 1998457.6/24

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

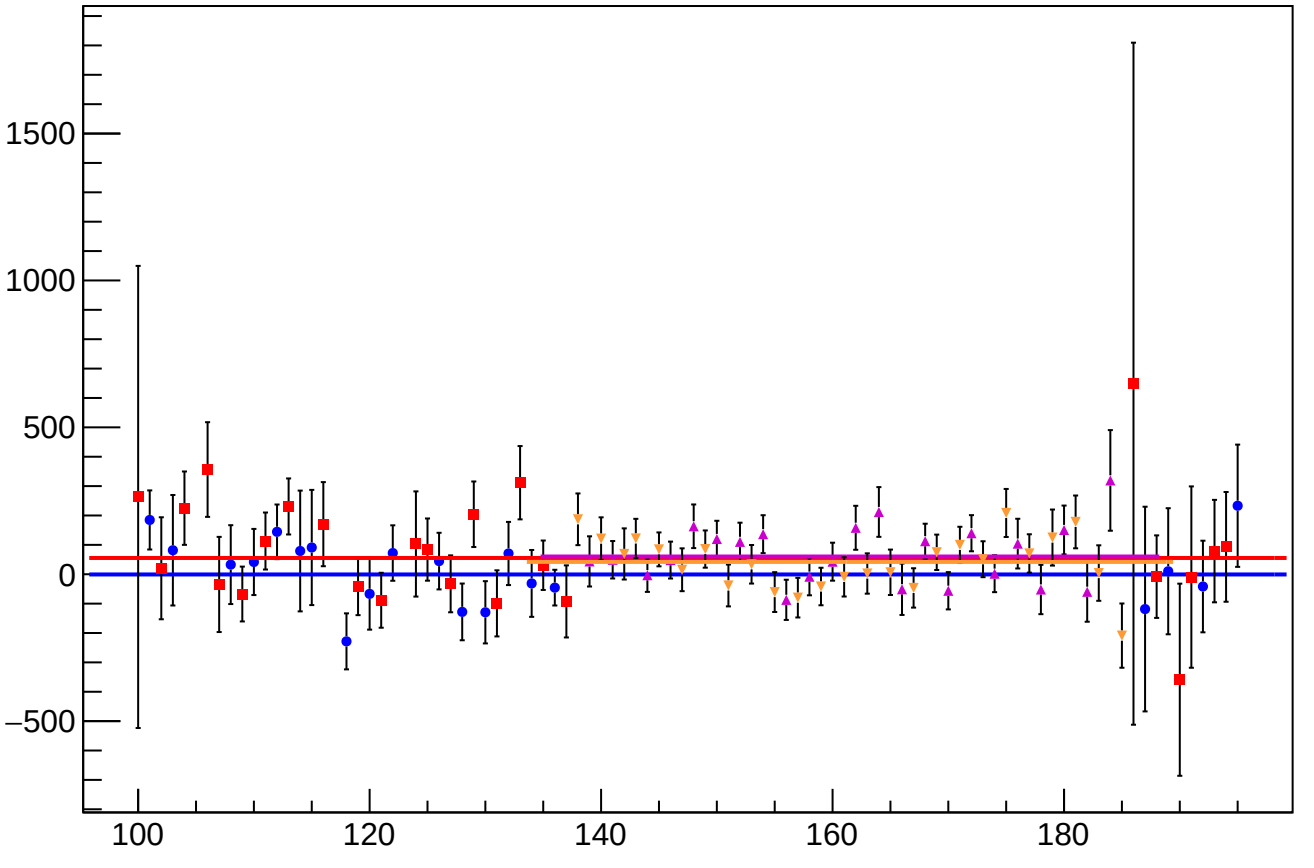
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1020.167+/-0.166 χ^2/NDF: 3595240.8/44

In: 571.885+/-0.081 χ^2/NDF:6324344.5/42

Out: 577.907+/-0.080 χ^2/NDF:7804223.5/49

All: 574.957+/-0.057 χ^2/NDF: 14131369.0/92



Right In: -0.725+/-25.404 χ^2/NDF: 19.2/19

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 55.406+/-25.242 χ^2/NDF: 27.9/24

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

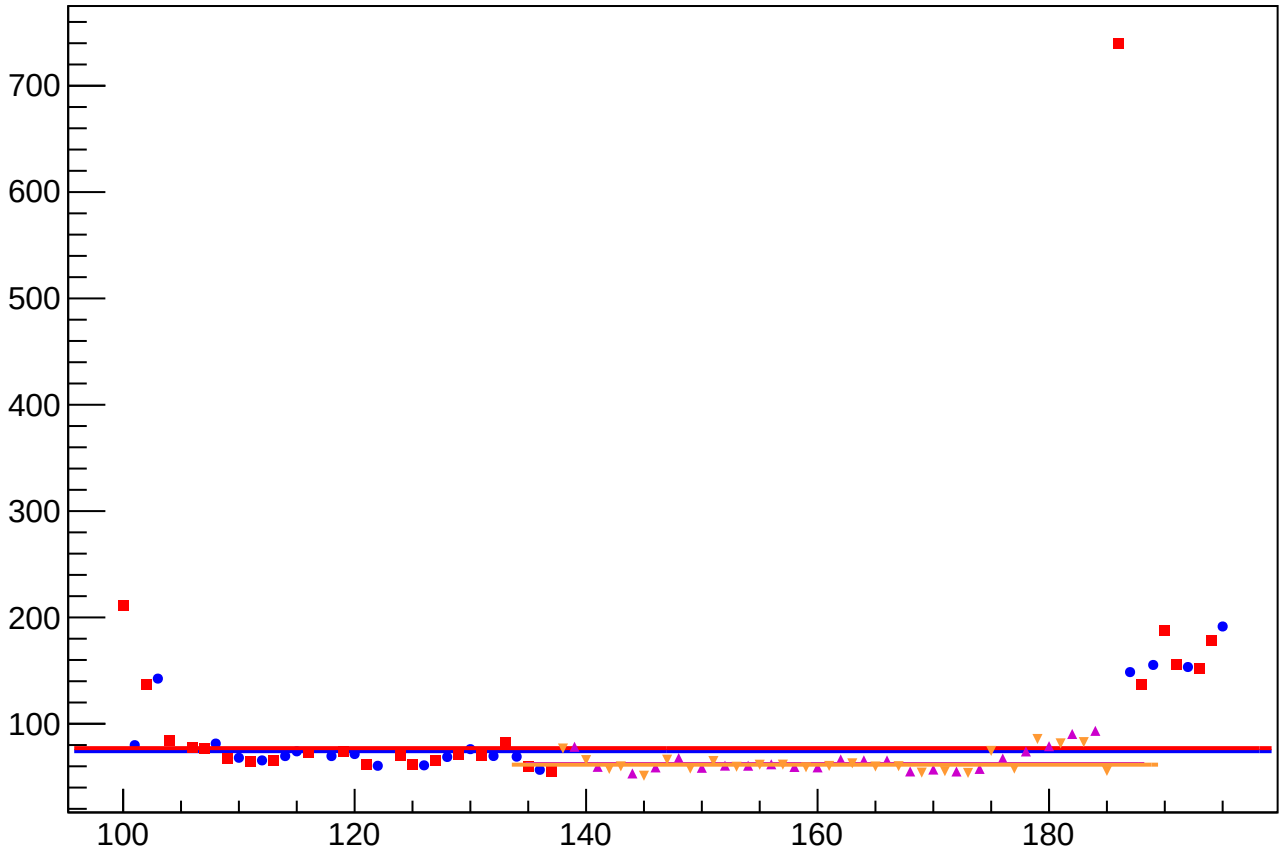
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 27.519+/-17.906 χ^2/NDF: 49.5/44

In: 45.028+/-12.732 χ^2/NDF:55.7/42

Out: 45.229+/-12.364 χ^2/NDF:60.1/49

All: 45.131+/-8.870 χ^2/NDF: 115.8/92



Right In: 74.228+/-0.018 χ^2/NDF: 2094888.3/19

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 77.084+/-0.018 χ^2/NDF: 3011098.5/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

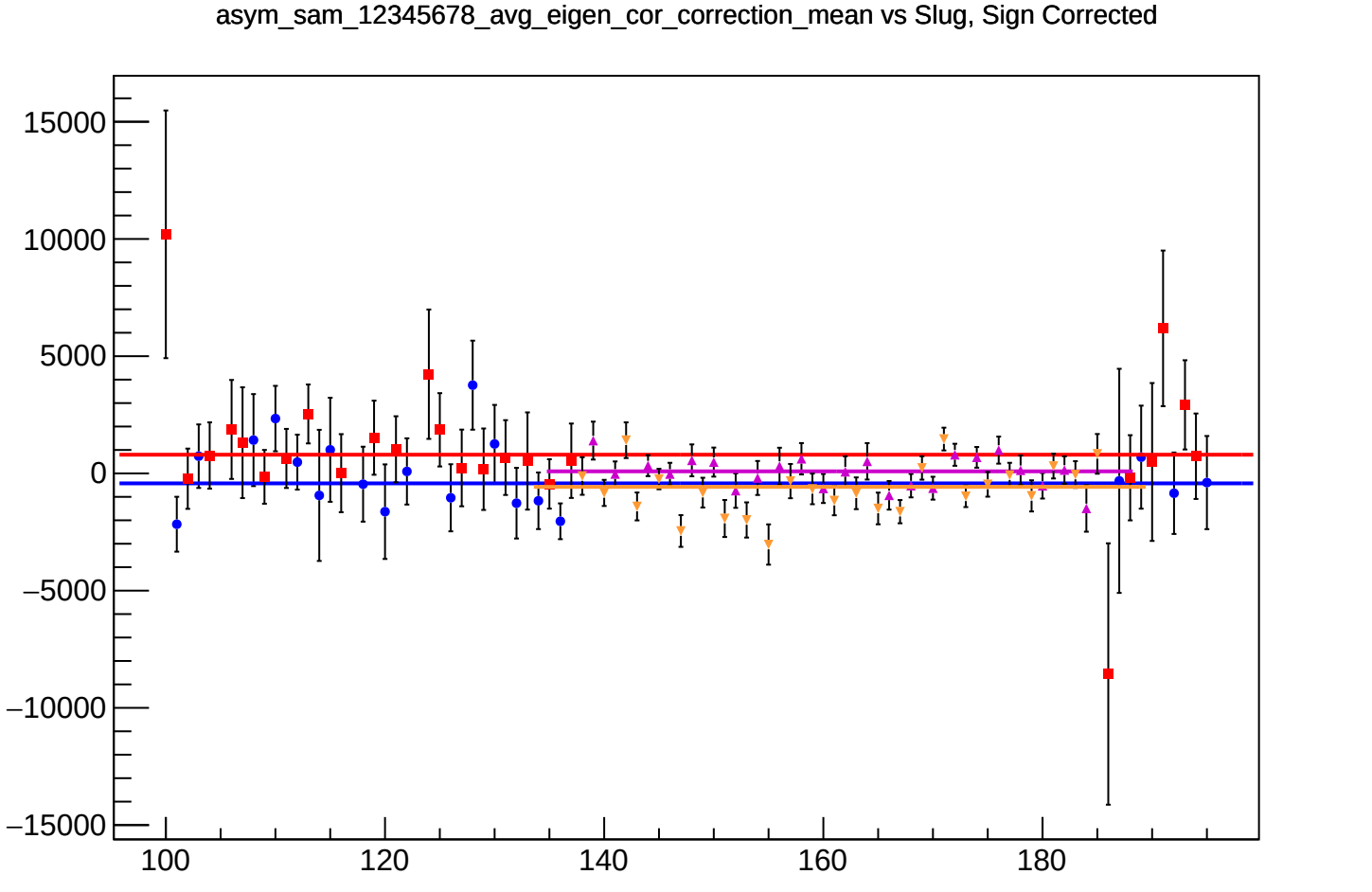
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 75.665+/-0.013 χ^2/NDF: 5118703.3/44

In: 65.180+/-0.009 χ^2/NDF:3030495.4/42

Out: 65.272+/-0.009 χ^2/NDF:4225084.3/49

All: 65.227+/-0.006 χ^2/NDF: 7255633.6/92



Right In: -424.637+/-332.385 χ^2/NDF: 20.9/19

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 798.048+/-331.603 χ^2/NDF: 17.9/24

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

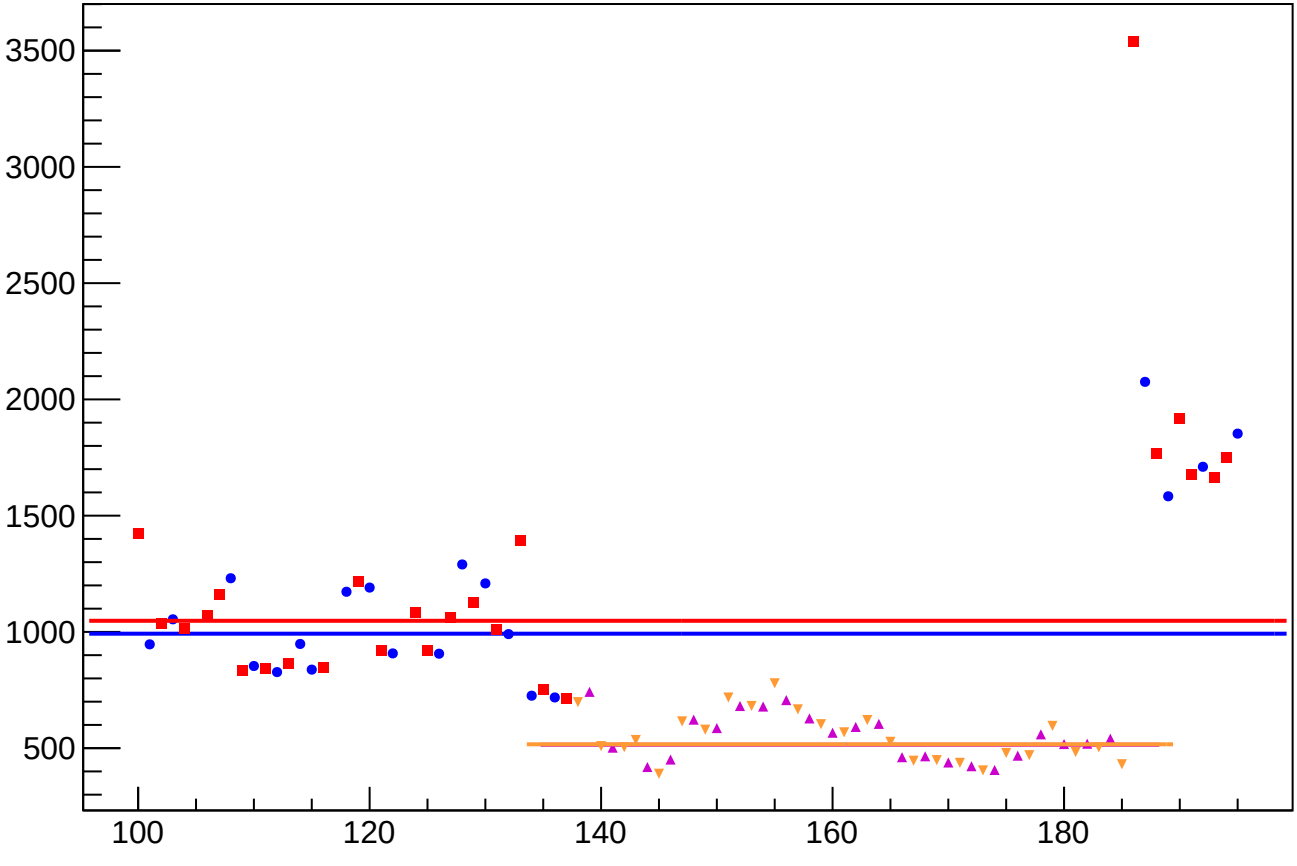
Right: 188.144+/-234.755 χ^2/NDF: 45.5/44

In: 26.997+/-114.936 χ^2/NDF:47.6/42

Out: -416.462+/-112.619 χ^2/NDF:101.8/49

All: -199.247+/-80.440 χ^2/NDF: 157.0/92

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 992.350+/-0.235 χ^2/NDF: 1568833.2/19

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1047.853+/-0.234 χ^2/NDF: 1998457.6/24

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

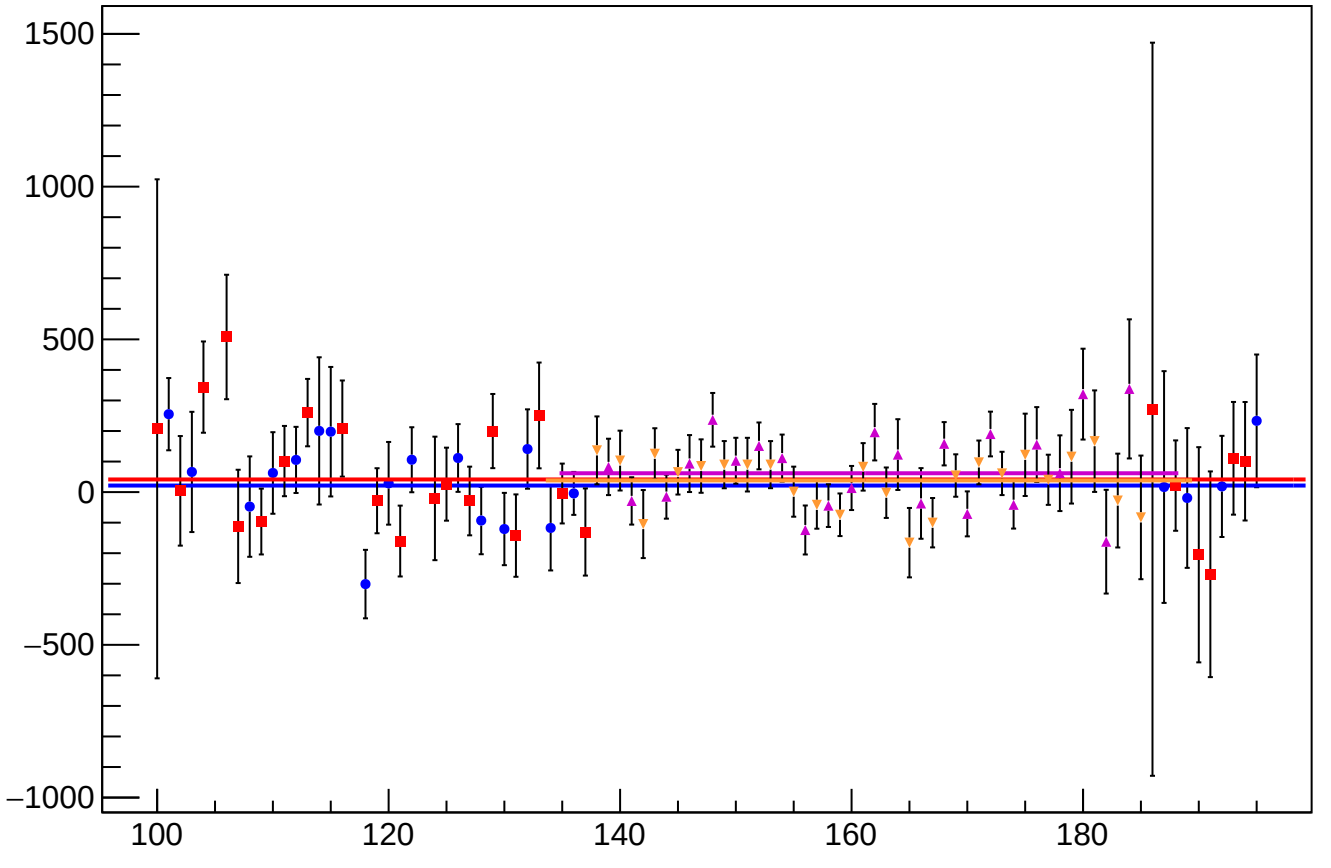
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1020.167+/-0.166 χ^2/NDF: 3595240.8/44

In: 571.885+/-0.081 χ^2/NDF:6324344.5/42

Out: 577.907+/-0.080 χ^2/NDF:7804223.5/49

All: 574.957+/-0.057 χ^2/NDF: 14131369.0/92



Right In: 21.465+/-29.240 χ^2/NDF: 21.1/19

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 41.390+/-29.114 χ^2/NDF: 29.4/24

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

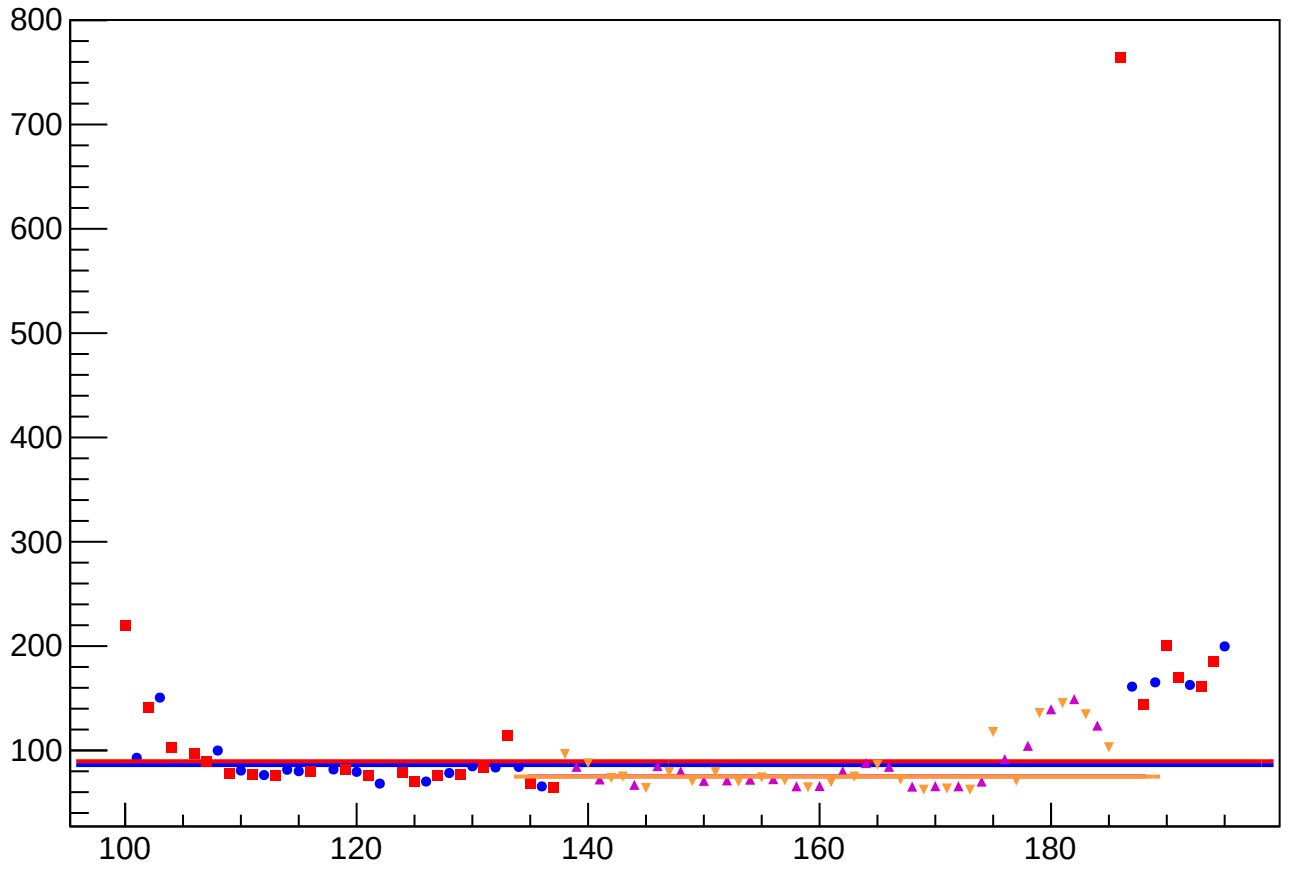
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 31.470+/-20.631 χ^2/NDF: 50.7/44

In: 50.489+/-15.446 χ^2/NDF:59.2/42

Out: 39.118+/-15.105 χ^2/NDF:48.2/49

All: 44.677+/-10.800 χ^2/NDF: 107.7/92



Right In: 85.940+/-0.021 χ^2/NDF: 1839712.7/19

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 89.624+/-0.021 χ^2/NDF: 2671803.8/24

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

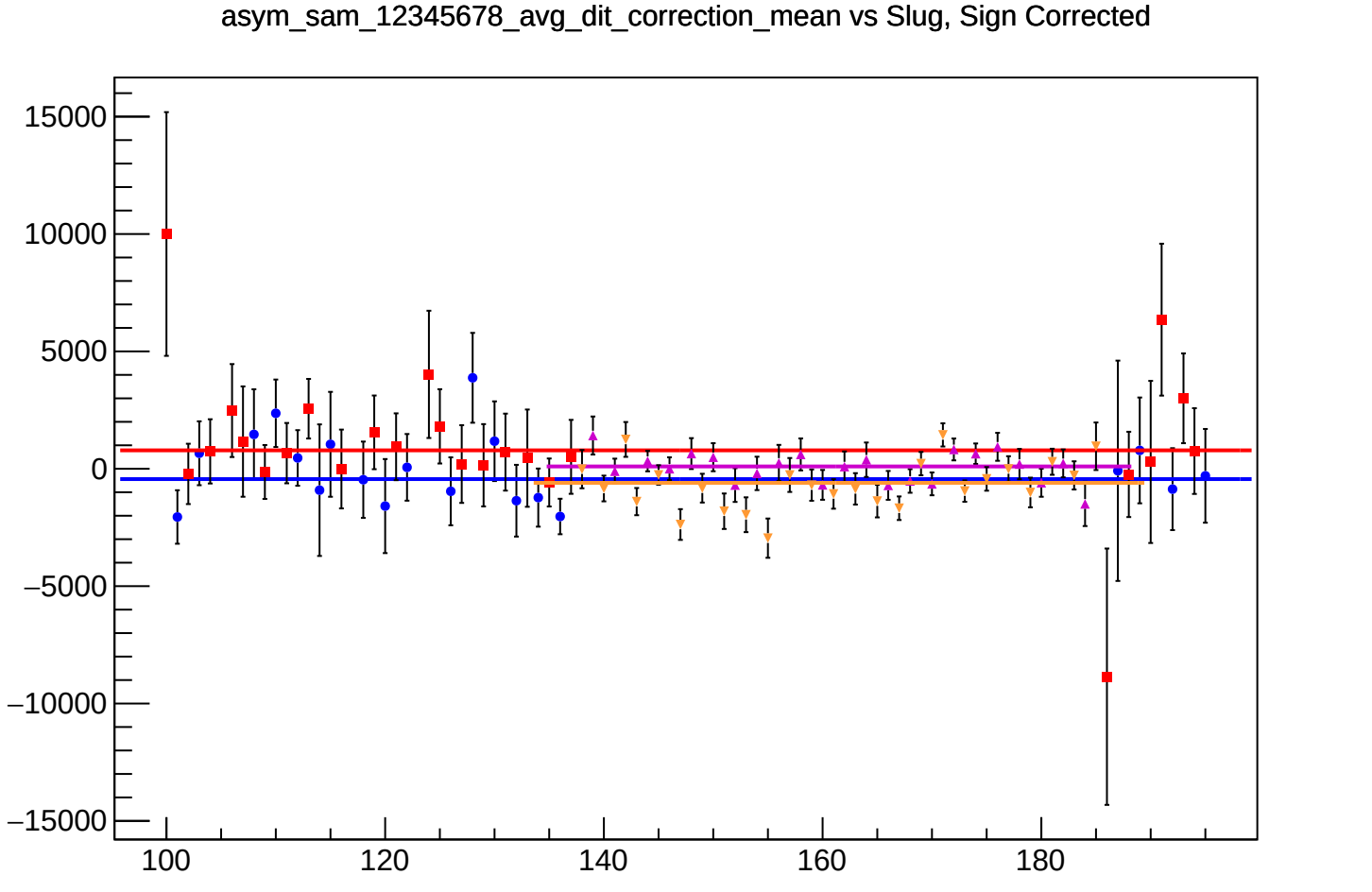
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 87.790+/-0.015 χ^2/NDF: 4527462.9/44

In: 78.165+/-0.011 χ^2/NDF:3348395.6/42

Out: 78.866+/-0.011 χ^2/NDF:4707074.0/49

All: 78.523+/-0.008 χ^2/NDF: 8057572.7/92



Right In: -439.599+/-333.678 χ^2/NDF: 20.6/19

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 785.107+/-330.875 χ^2/NDF: 19.3/24

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

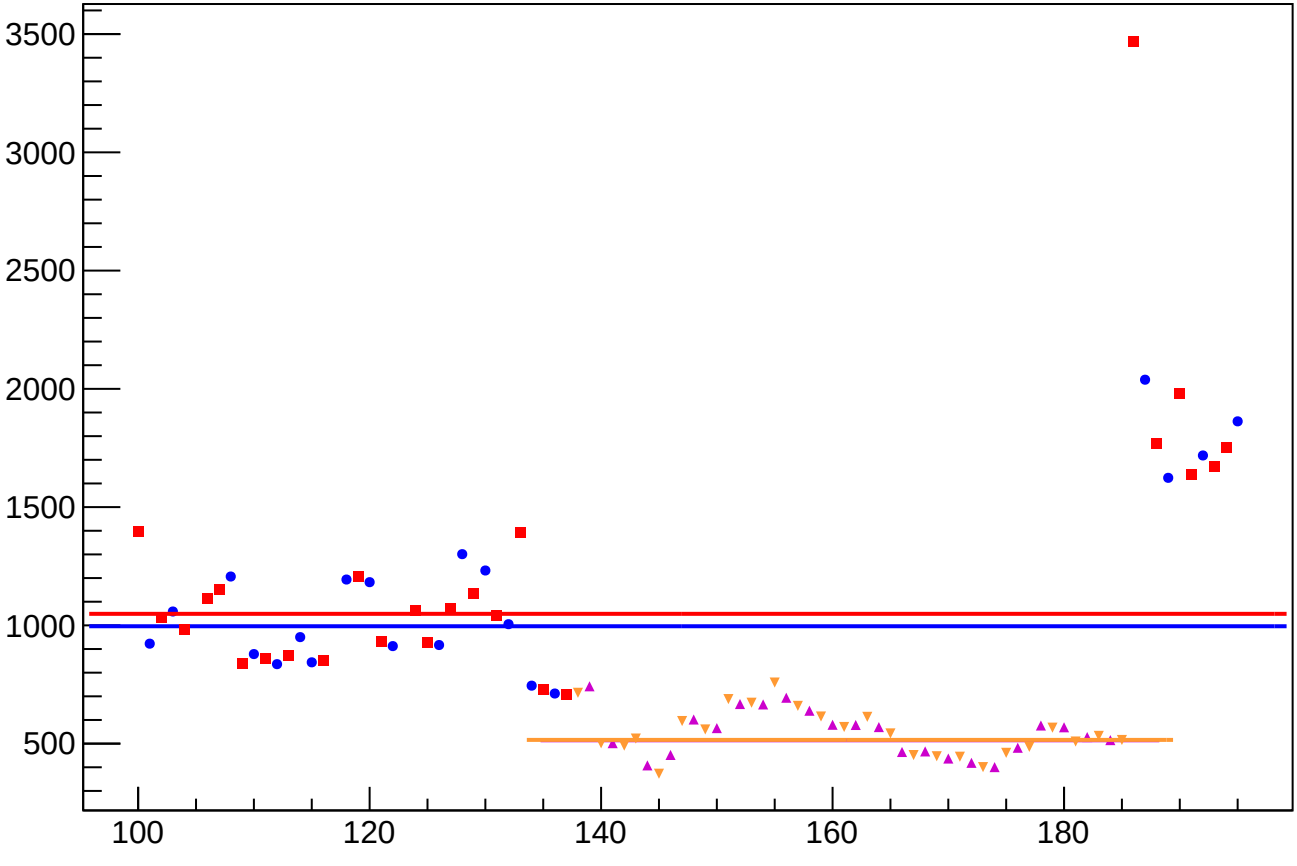
Right: 177.921+/-234.949 χ^2/NDF: 46.8/44

In: 35.295+/-114.839 χ^2/NDF:46.6/42

Out: -439.553+/-112.248 χ^2/NDF:99.8/49

All: -207.546+/-80.271 χ^2/NDF: 155.2/92

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 996.285+/-0.236 χ^2/NDF: 1584208.9/19

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1048.760+/-0.234 χ^2/NDF: 2022620.5/24

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

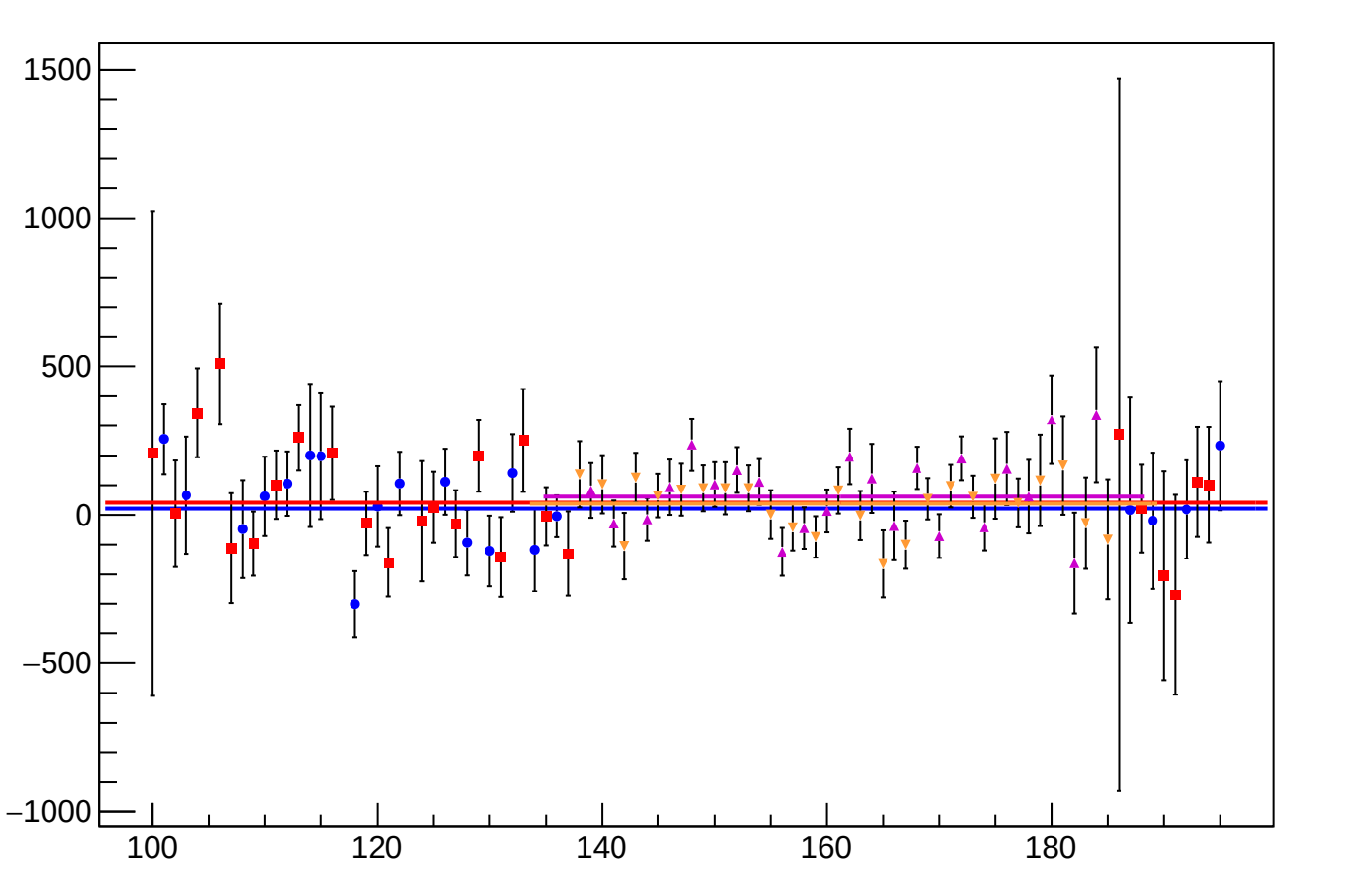
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1022.744+/-0.166 χ^2/NDF: 3631769.1/44

In: 571.202+/-0.081 χ^2/NDF:6383000.2/42

Out: 577.103+/-0.079 χ^2/NDF:7847653.6/49

All: 574.220+/-0.057 χ^2/NDF: 14233354.3/92



Right In: 21.464+/-29.240 χ^2/NDF: 21.1/19

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 41.388+/-29.114 χ^2/NDF: 29.4/24

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

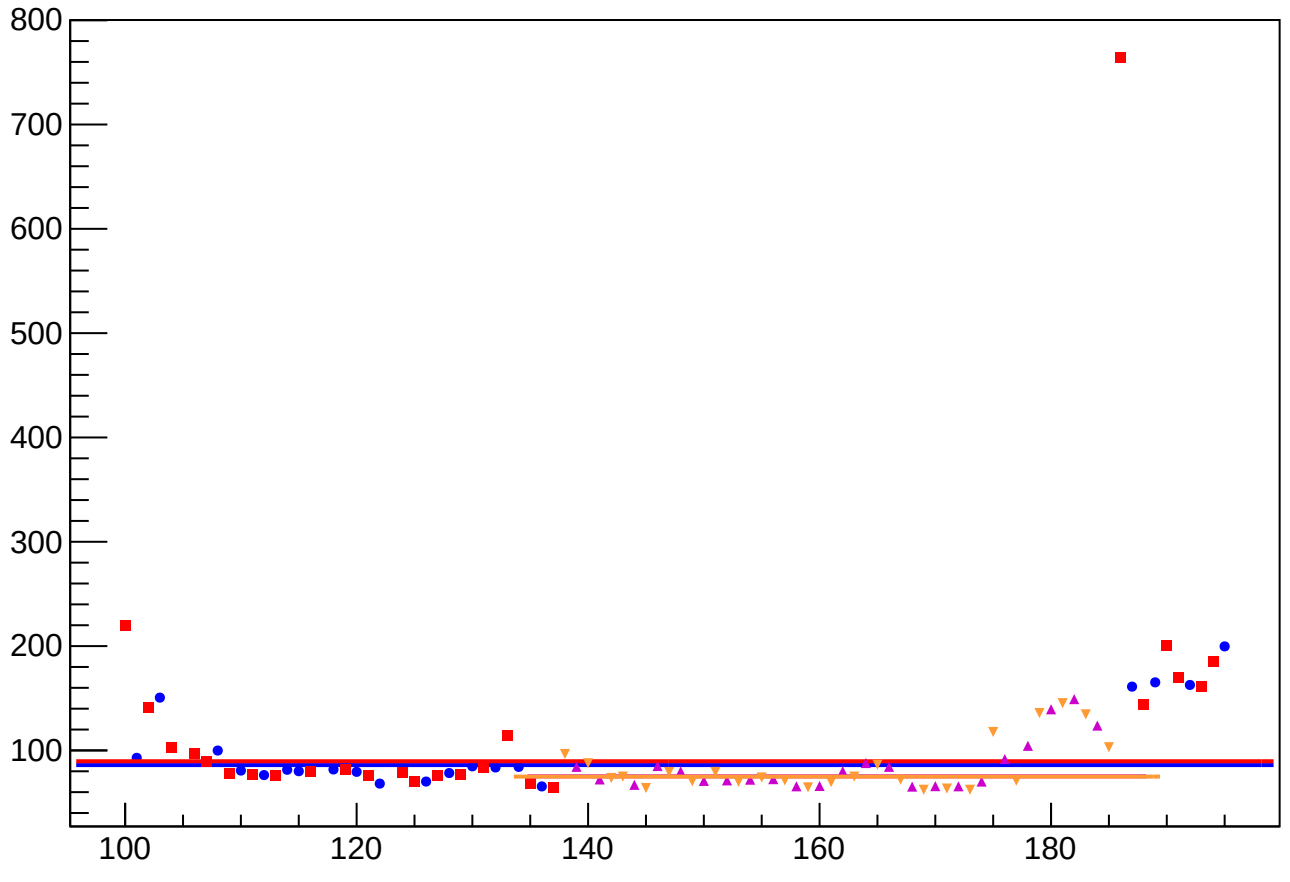
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 31.469+/-20.631 χ^2/NDF: 50.7/44

In: 50.488+/-15.446 χ^2/NDF:59.2/42

Out: 39.118+/-15.105 χ^2/NDF:48.2/49

All: 44.676+/-10.800 χ^2/NDF: 107.7/92



Right In: 85.940+/-0.021 χ^2/NDF: 1839715.7/19

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 89.624+/-0.021 χ^2/NDF: 2671821.5/24

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

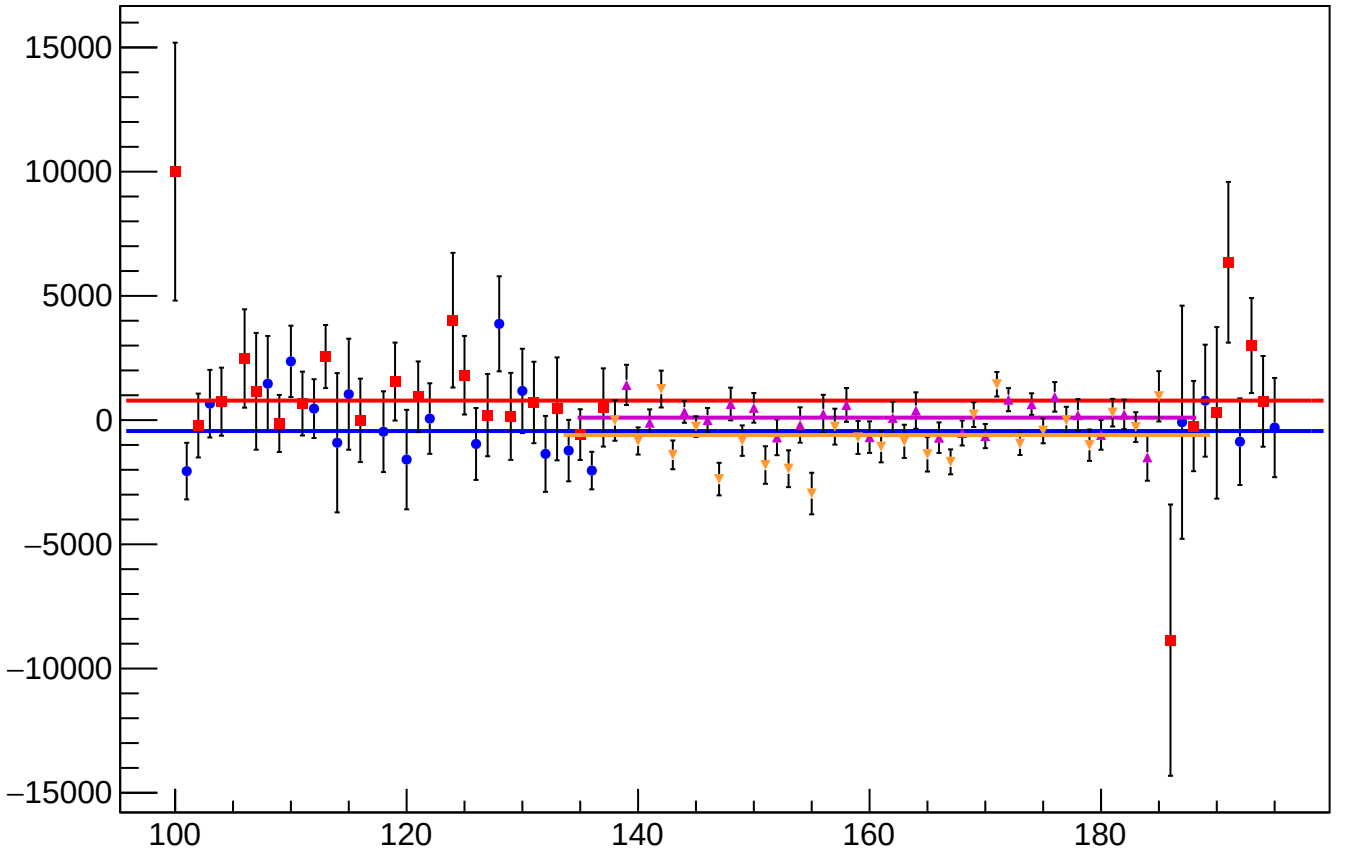
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 87.790+/-0.015 χ^2/NDF: 4527484.2/44

In: 78.165+/-0.011 χ^2/NDF:3348365.4/42

Out: 78.866+/-0.011 χ^2/NDF:4707068.9/49

All: 78.523+/-0.008 χ^2/NDF: 8057537.4/92



Right In: -439.596+/-333.677 χ^2/NDF: 20.6/19

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 785.106+/-330.874 χ^2/NDF: 19.3/24

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

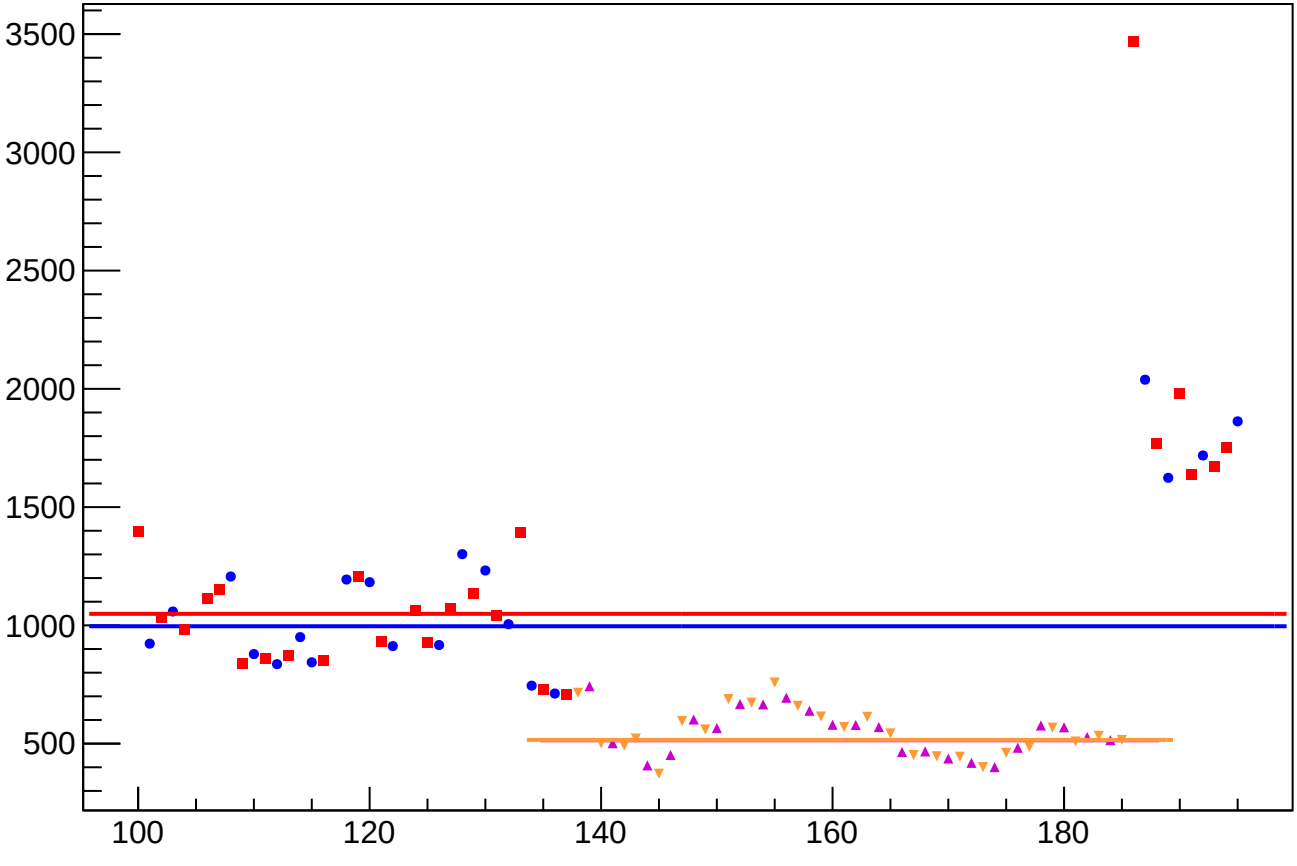
Right: 177.922+/-234.948 χ^2/NDF: 46.7/44

In: 35.295+/-114.838 χ^2/NDF:46.6/42

Out: -439.552+/-112.247 χ^2/NDF:99.8/49

All: -207.546+/-80.271 χ^2/NDF: 155.2/92

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 996.283+/-0.236 χ^2/NDF: 1584212.0/19

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1048.757+/-0.234 χ^2/NDF: 2022624.2/24

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

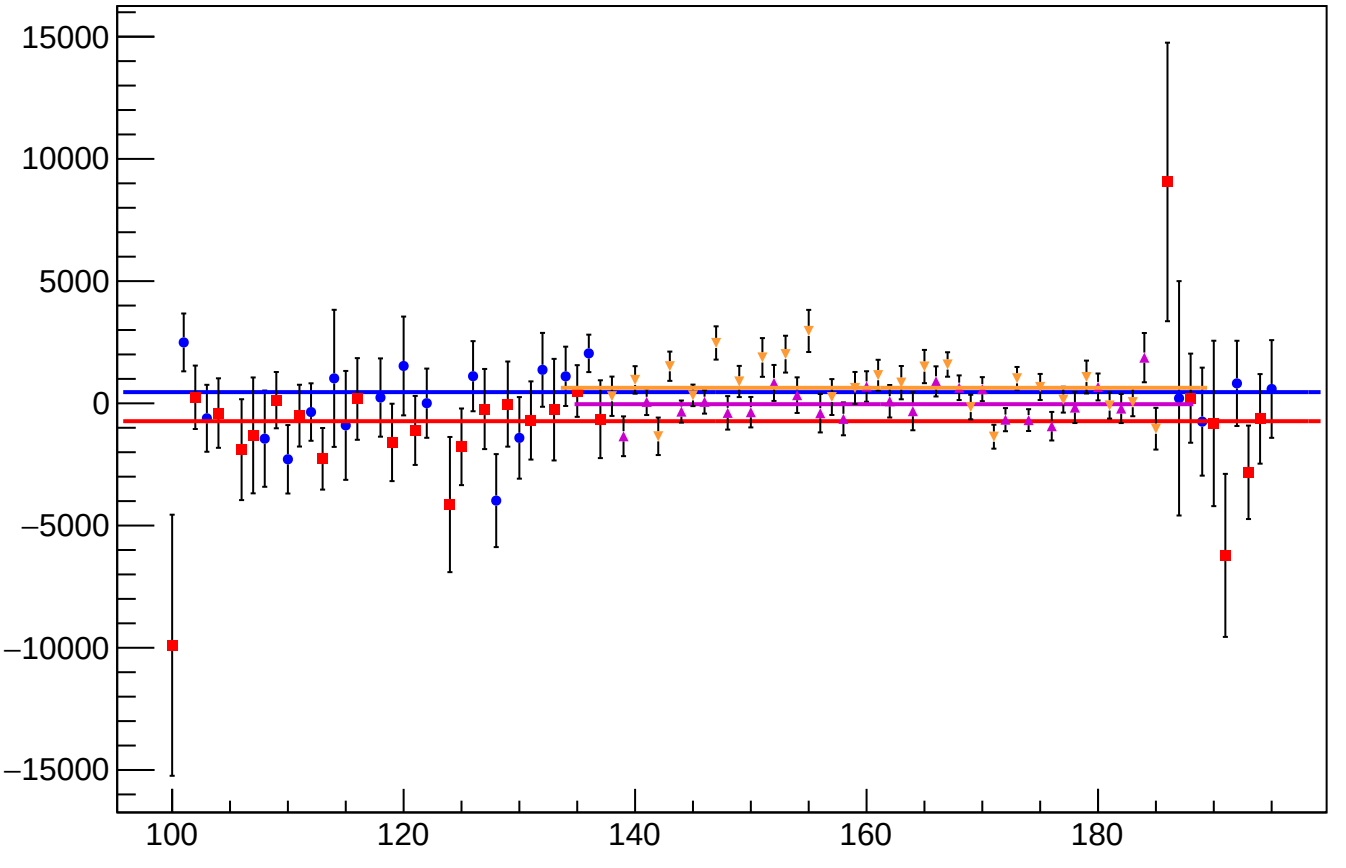
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1022.741+/-0.166 χ^2/NDF: 3631775.8/44

In: 571.201+/-0.081 χ^2/NDF:6382996.9/42

Out: 577.102+/-0.079 χ^2/NDF:7847654.3/49

All: 574.219+/-0.057 χ^2/NDF: 14233351.7/92



Right In: 458.674+/-333.826 χ^2/NDF: 21.8/19

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -730.472+/-332.647 χ^2/NDF: 17.5/24

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

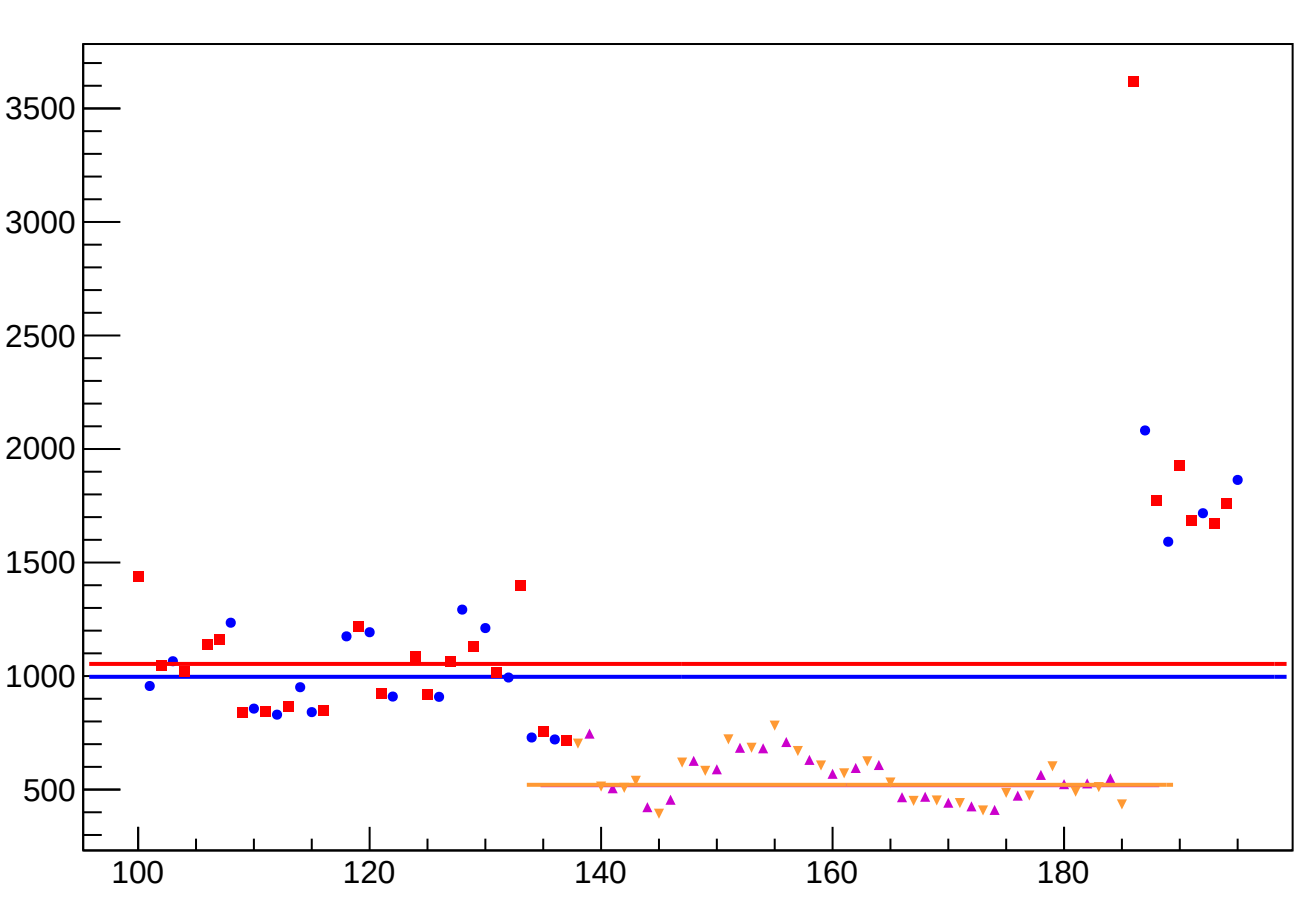
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -138.003+/-235.633 χ^2/NDF: 45.7/44

In: 24.616+/-115.842 χ^2/NDF:48.9/42

Out: 475.909+/-113.476 χ^2/NDF:96.8/49

All: 254.919+/-81.063 χ^2/NDF: 153.5/92



Right In: 996.637+/-0.236 χ^2/NDF: 1569730.6/19

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1053.417+/-0.235 χ^2/NDF: 2011595.5/24

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

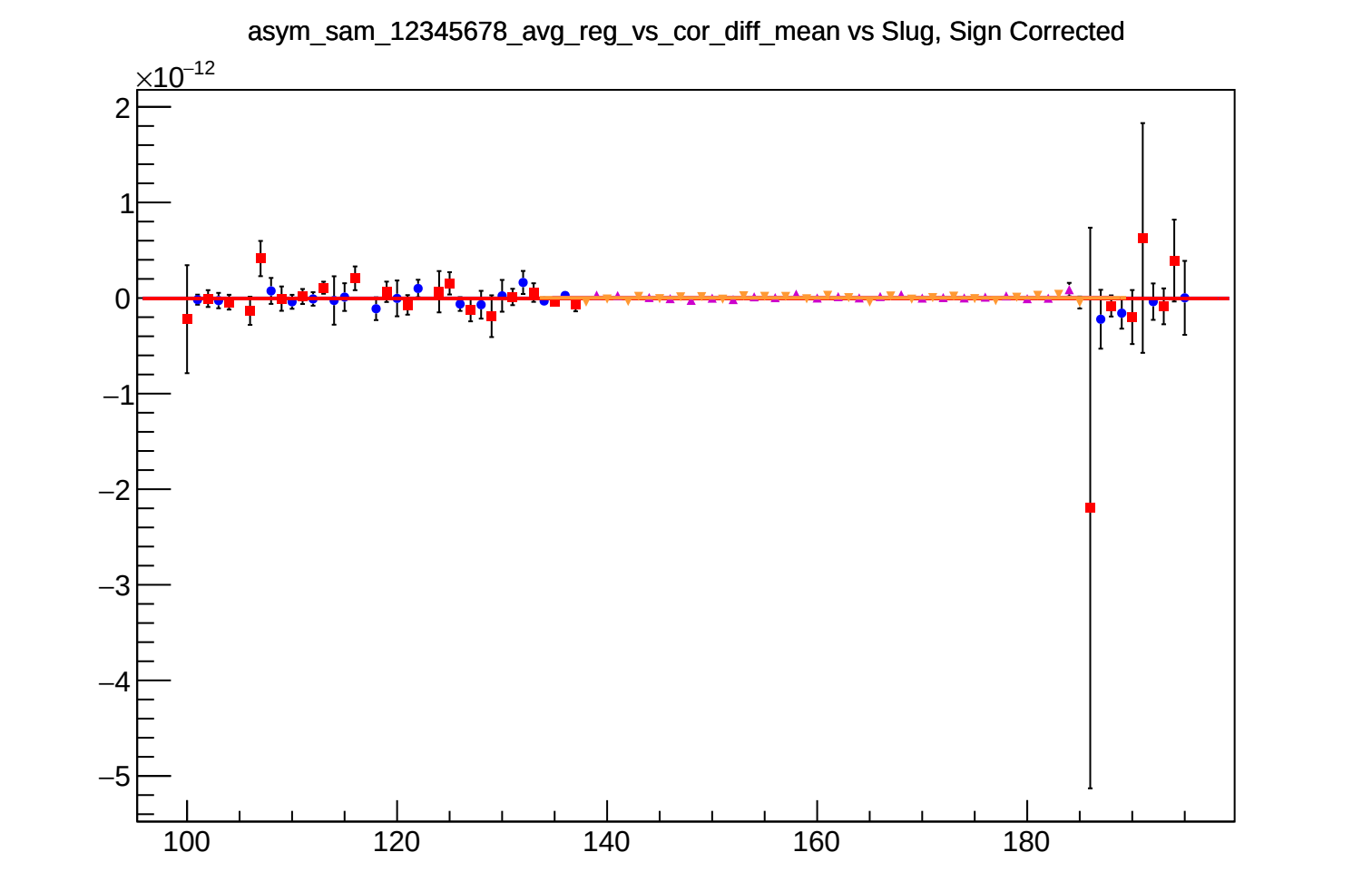
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1025.128+/-0.167 χ^2/NDF: 3610358.3/44

In: 576.727+/-0.082 χ^2/NDF:6267993.6/42

Out: 582.979+/-0.080 χ^2/NDF:7781455.6/49

All: 579.917+/-0.057 χ^2/NDF: 14052422.7/92



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/19

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/24

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

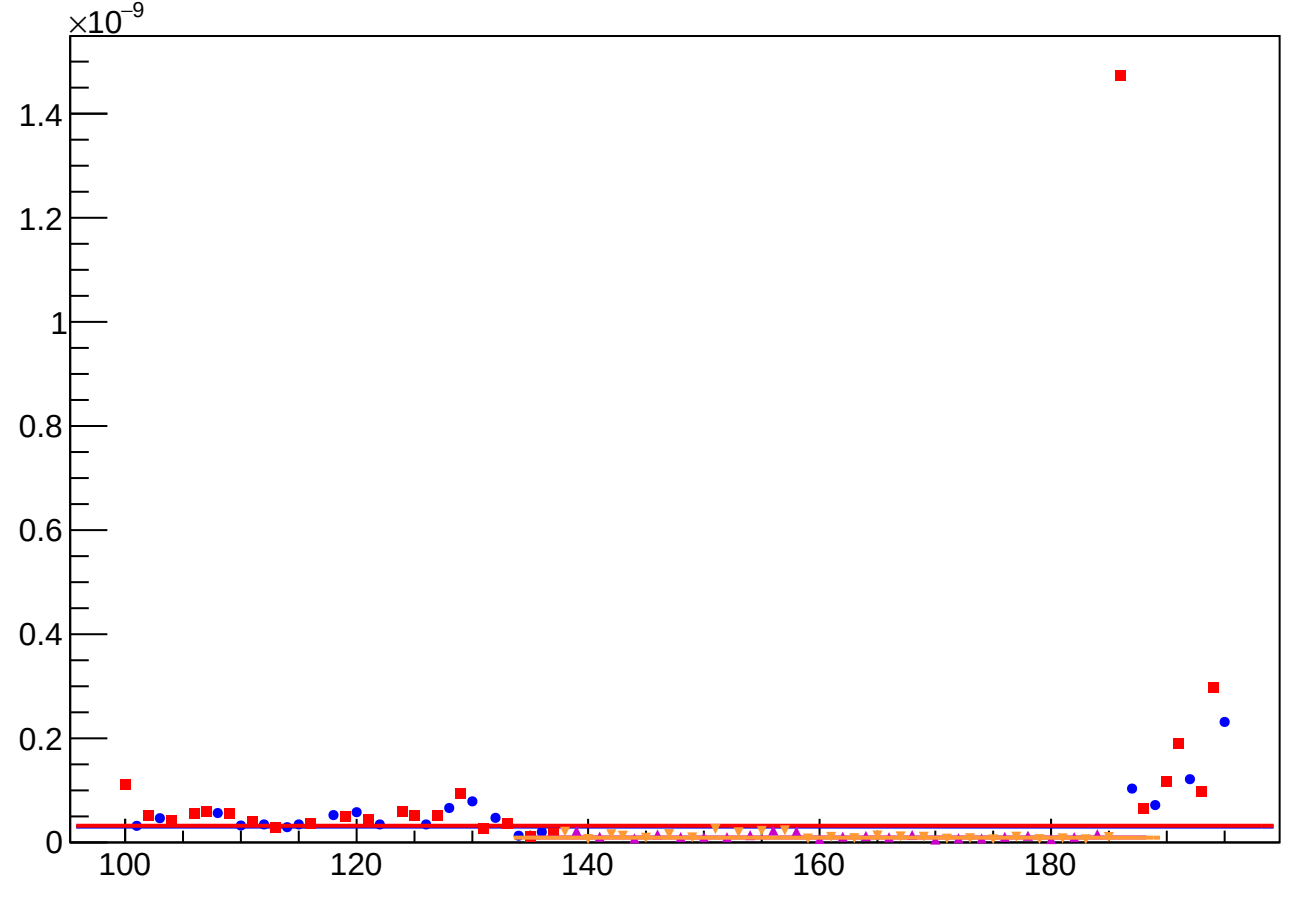
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 30.8/44

In: 0.000+/-0.000 χ^2/NDF:19.5/42

Out: 0.000+/-0.000 χ^2/NDF:44.9/49

All: 0.000+/-0.000 χ^2/NDF: 64.6/92



Right In: 0.000+/-0.000 χ^2/NDF: 2416973.6/19

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3591793.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

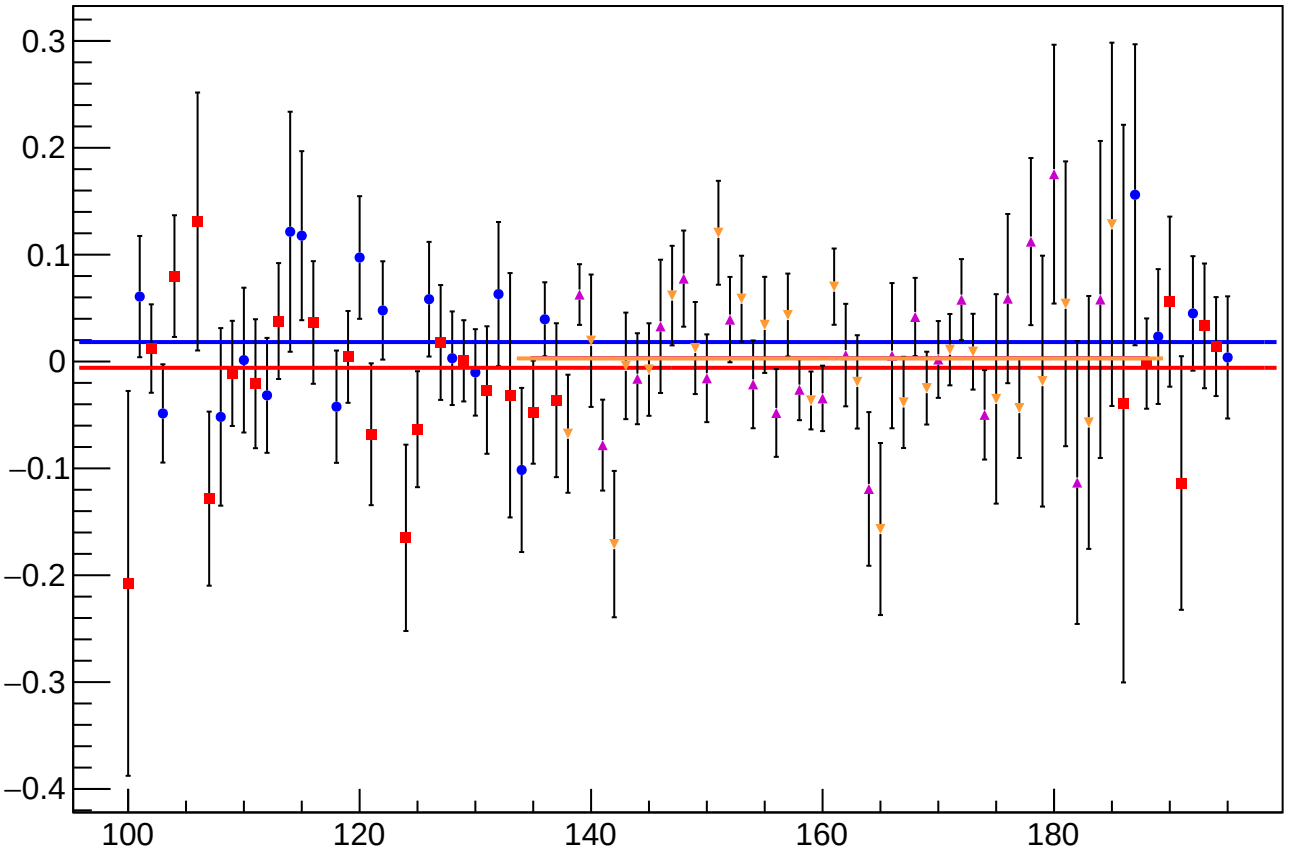
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6017099.3/44

In: 0.000+/-0.000 χ^2/NDF:6727908.5/42

Out: 0.000+/-0.000 χ^2/NDF:8569202.8/49

All: 0.000+/-0.000 χ^2/NDF: 15315818.4/92



Right In: 0.018+/-0.012 χ^2/NDF: 16.1/19

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

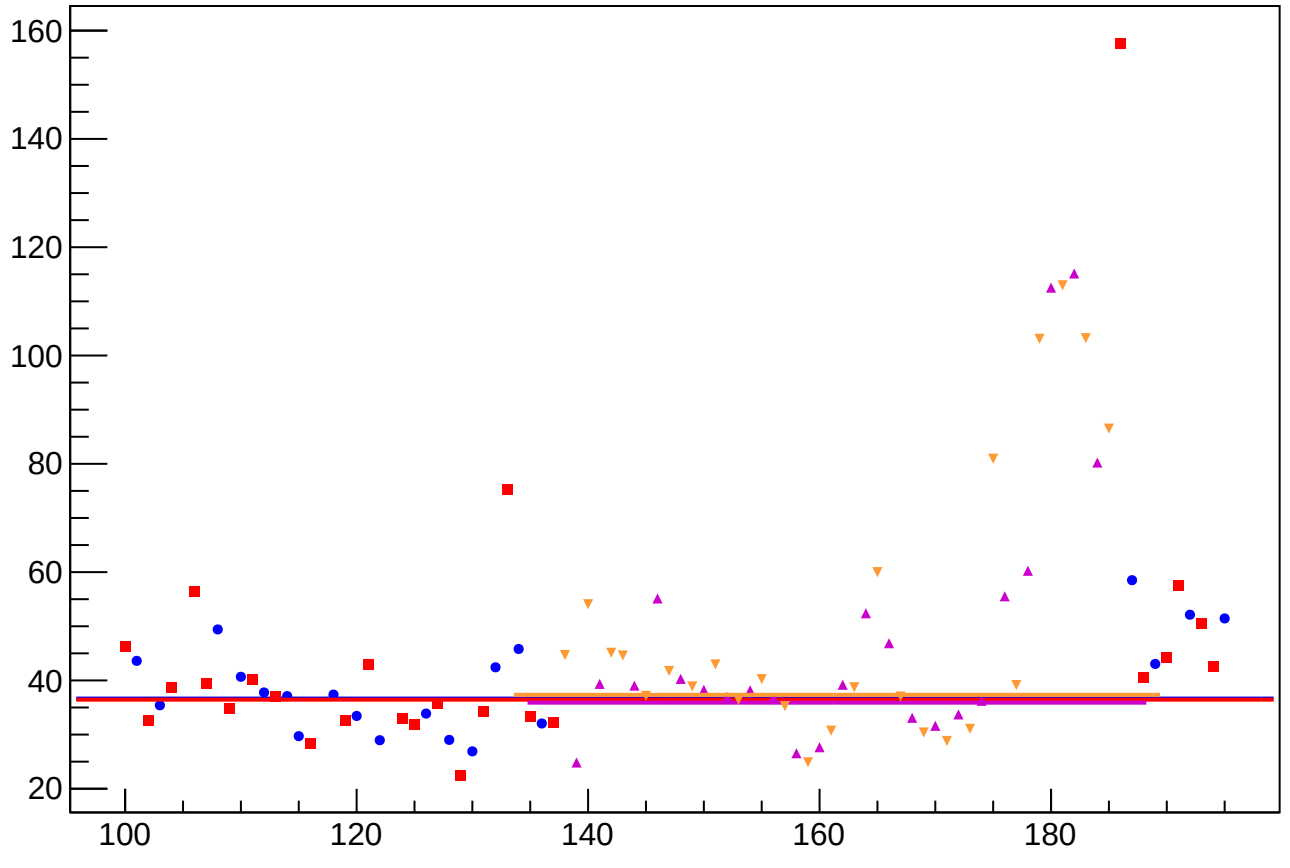
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

Right: 0.005+/-0.009 χ^2/NDF: 35.4/44

In: 0.009+/-0.007 χ^2/NDF:46.8/42

Out: -0.000+/-0.007 χ^2/NDF:50.5/49

All: 0.004+/-0.005 χ^2/NDF: 98.1/92



Right In: 36.649+/-0.009 χ^2/NDF: 795082.6/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 36.449+/-0.008 χ^2/NDF: 1392955.0/24

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

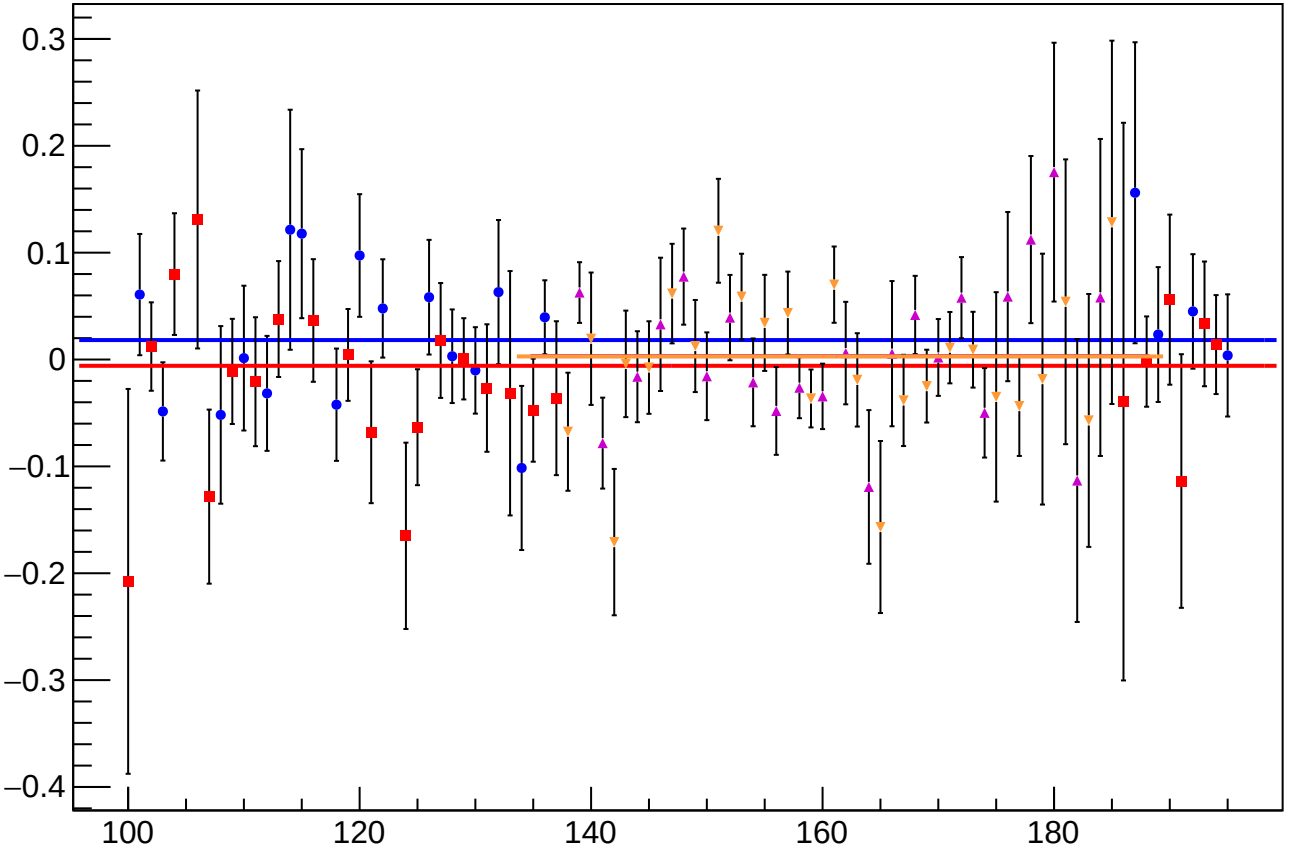
Right: 36.543+/-0.006 χ^2/NDF: 2188313.5/44

In: 36.162+/-0.005 χ^2/NDF:3938155.7/42

Out: 36.999+/-0.005 χ^2/NDF:5096796.5/49

All: 36.587+/-0.004 χ^2/NDF: 9048054.8/92

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.012 χ^2/NDF: 16.1/19

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

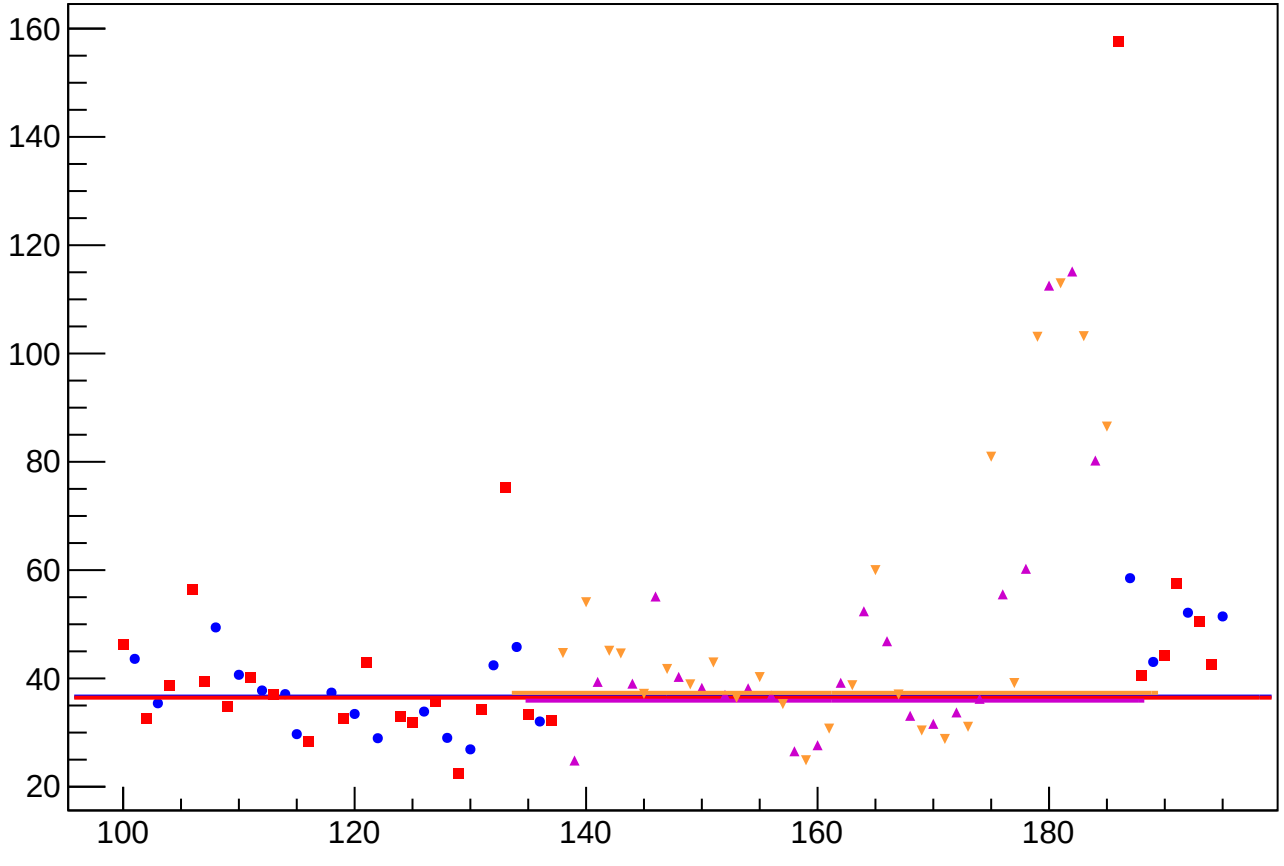
Right: 0.005+/-0.009 χ^2/NDF: 35.4/44

In: 0.009+/-0.007 χ^2/NDF:46.8/42

Out: -0.000+/-0.007 χ^2/NDF:50.5/49

All: 0.004+/-0.005 χ^2/NDF: 98.1/92

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.649+/-0.009 χ^2/NDF: 795082.6/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 36.449+/-0.008 χ^2/NDF: 1392955.0/24

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

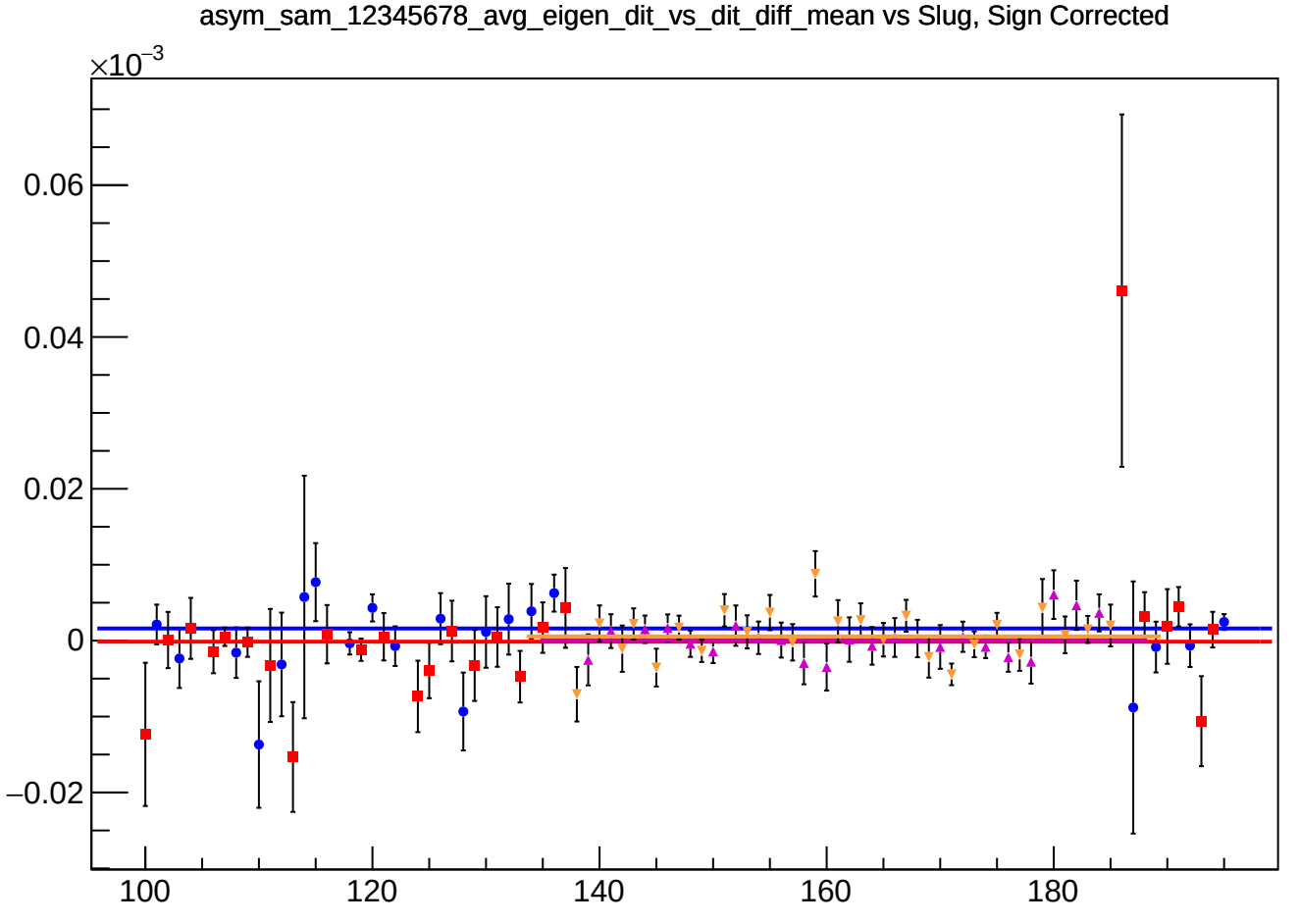
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 36.543+/-0.006 χ^2/NDF: 2188313.5/44

In: 36.162+/-0.005 χ^2/NDF:3938155.7/42

Out: 36.999+/-0.005 χ^2/NDF:5096796.5/49

All: 36.587+/-0.004 χ^2/NDF: 9048054.8/92



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/19

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

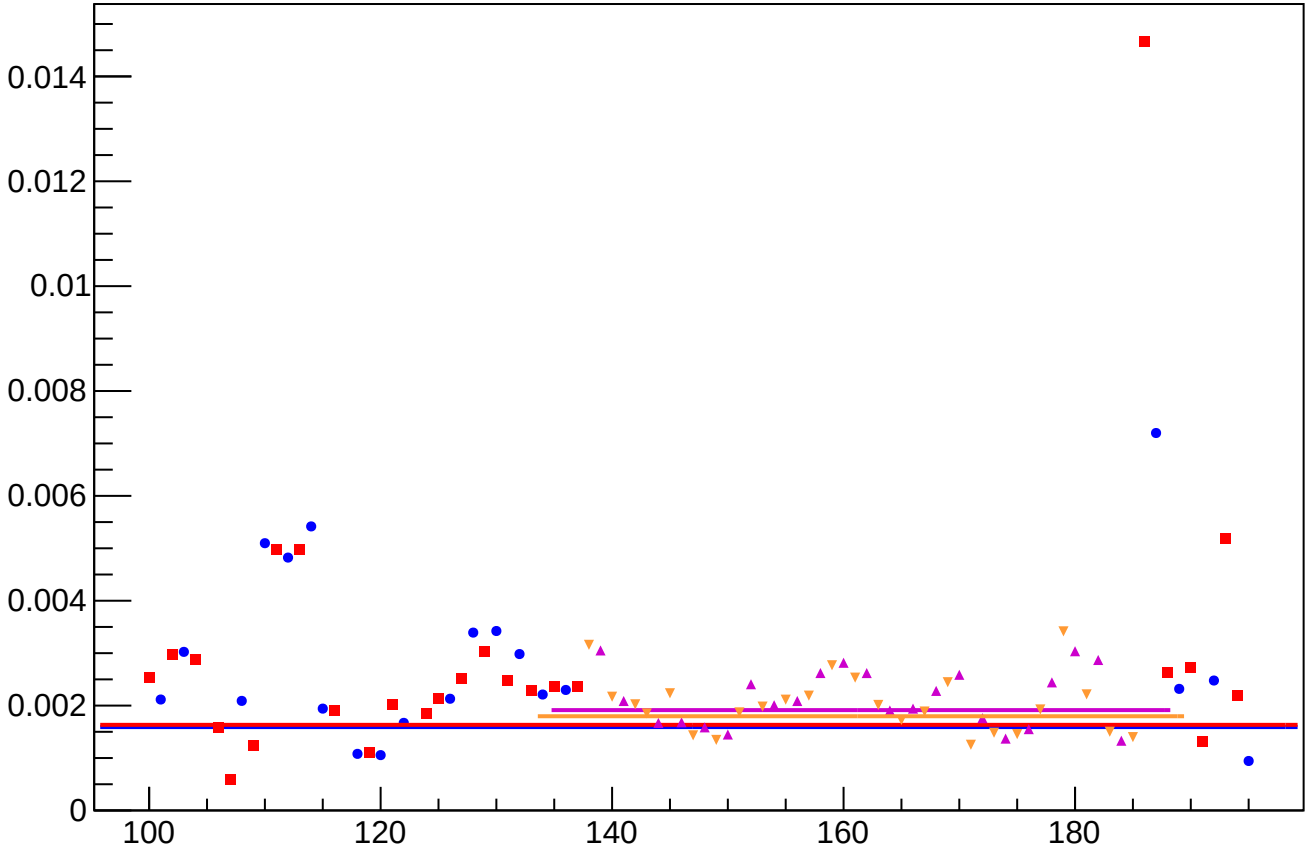
Right: 0.000+/-0.000 χ^2/NDF: 54.0/44

In: 0.000+/-0.000 χ^2/NDF:44.4/42

Out: 0.000+/-0.000 χ^2/NDF:70.8/49

All: 0.000+/-0.000 χ^2/NDF: 115.7/92

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4054517.4/19

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5553392.0/24

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

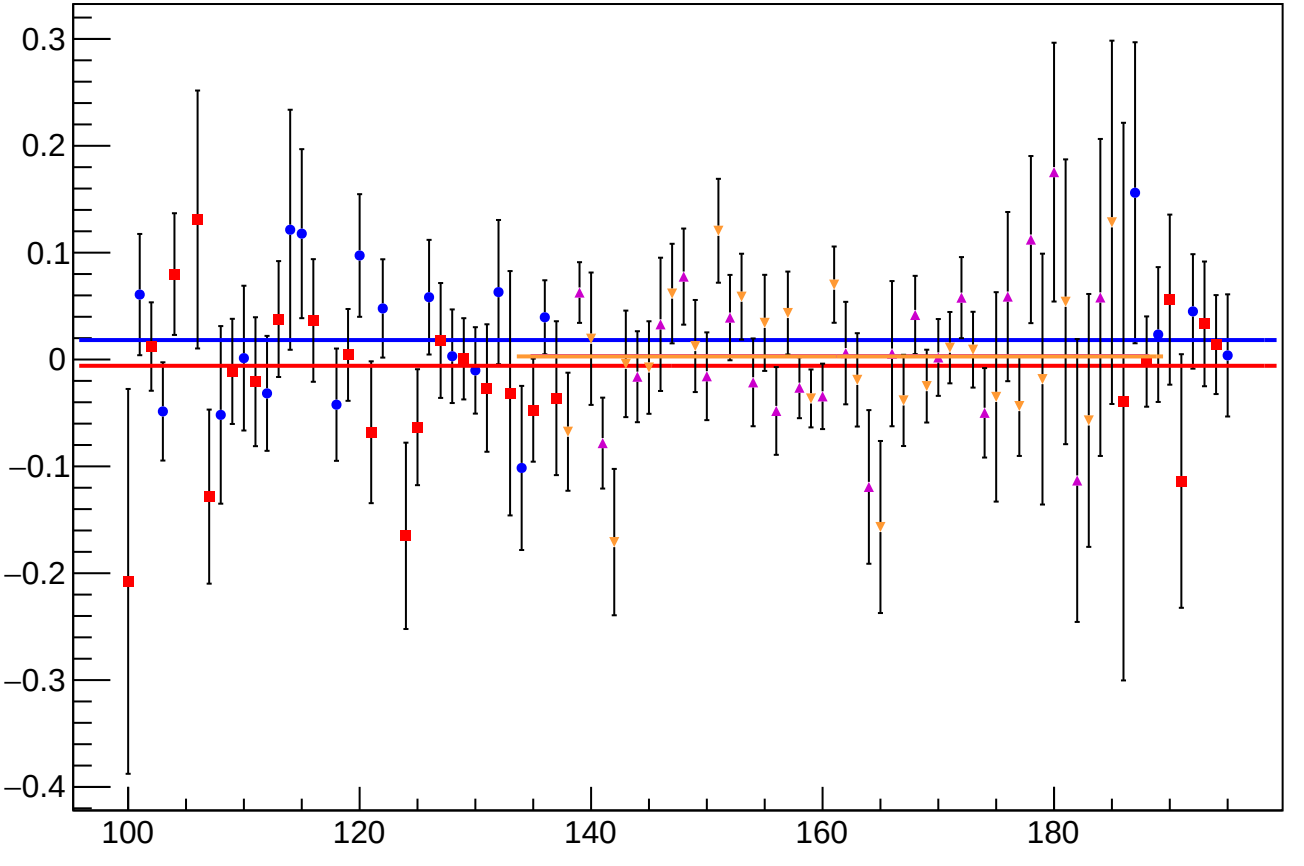
Right: 0.002+/-0.000 χ^2/NDF: 9613189.9/44

In: 0.002+/-0.000 χ^2/NDF:6600647.8/42

Out: 0.002+/-0.000 χ^2/NDF:7934922.7/49

All: 0.002+/-0.000 χ^2/NDF: 14553901.5/92

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.012 χ^2/NDF: 16.1/19

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

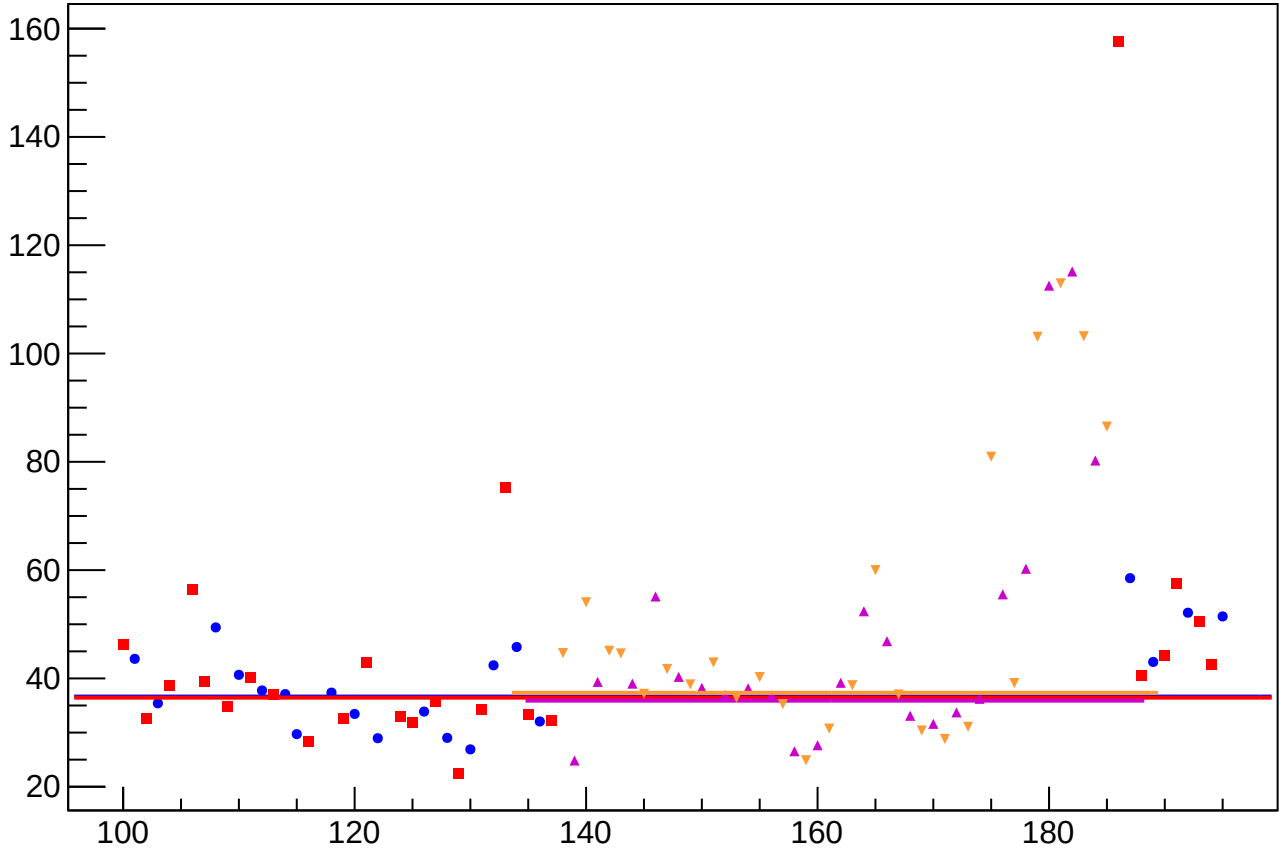
Right: 0.005+/-0.009 χ^2/NDF: 35.4/44

In: 0.009+/-0.007 χ^2/NDF:46.8/42

Out: -0.000+/-0.007 χ^2/NDF:50.5/49

All: 0.004+/-0.005 χ^2/NDF: 98.1/92

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.648+/-0.009 χ^2/NDF: 795168.4/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.448+/-0.008 χ^2/NDF: 1393034.9/24

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

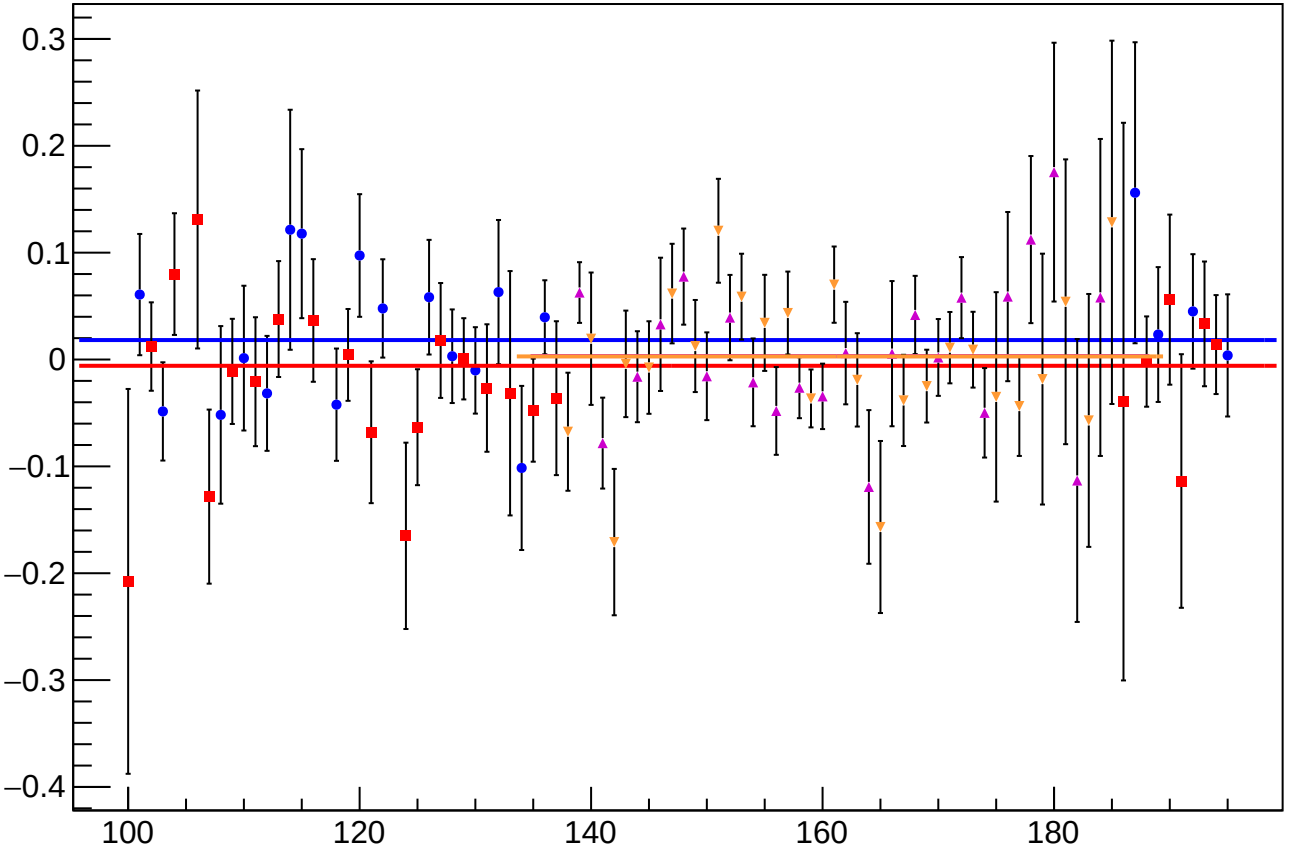
Right: 36.543+/-0.006 χ^2/NDF: 2188478.2/44

In: 36.162+/-0.005 χ^2/NDF:3938243.8/42

Out: 36.999+/-0.005 χ^2/NDF:5096936.6/49

All: 36.587+/-0.004 χ^2/NDF: 9048283.7/92

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.012 χ^2/NDF: 16.1/19

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

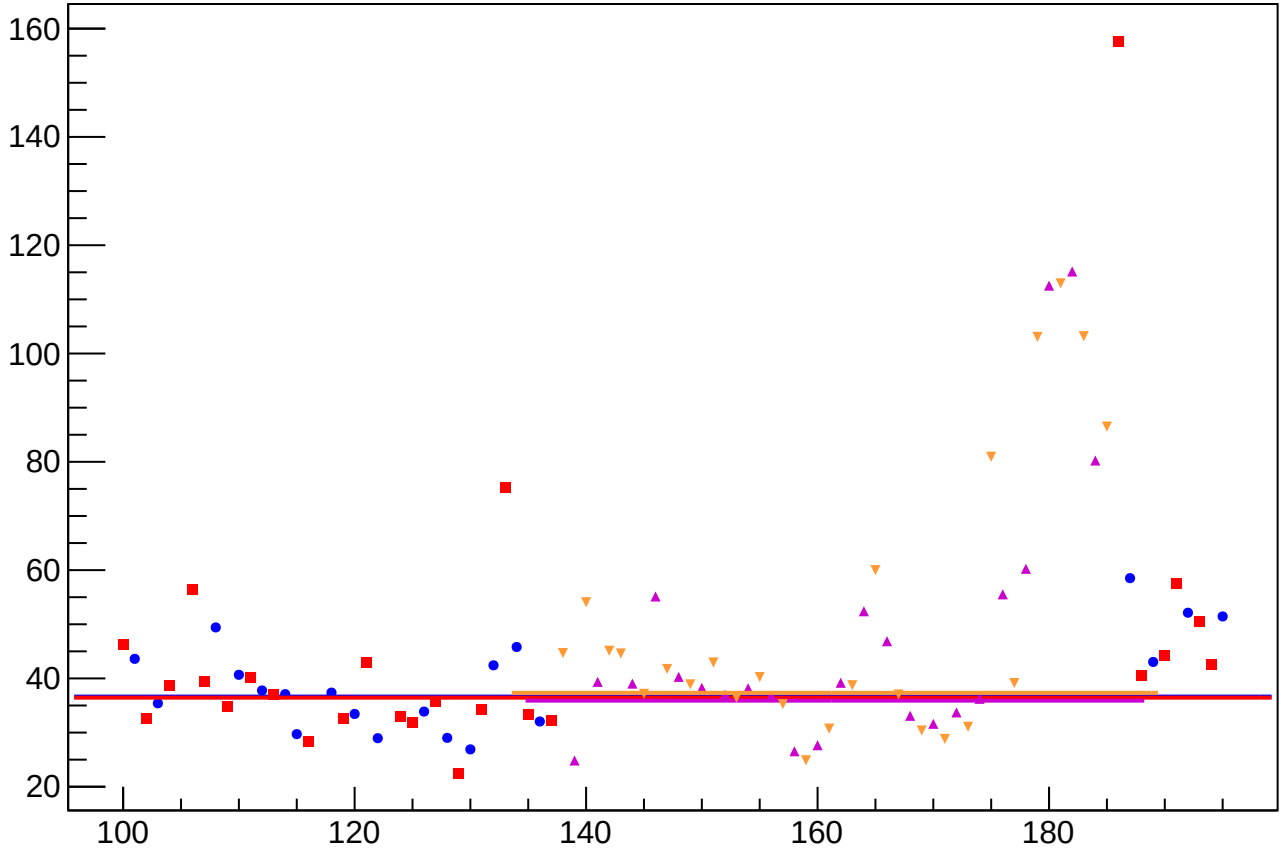
Right: 0.005+/-0.009 χ^2/NDF: 35.4/44

In: 0.009+/-0.007 χ^2/NDF:46.8/42

Out: -0.000+/-0.007 χ^2/NDF:50.5/49

All: 0.004+/-0.005 χ^2/NDF: 98.1/92

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.648+/-0.009 χ^2/NDF: 795168.4/19

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.448+/-0.008 χ^2/NDF: 1393034.9/24

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

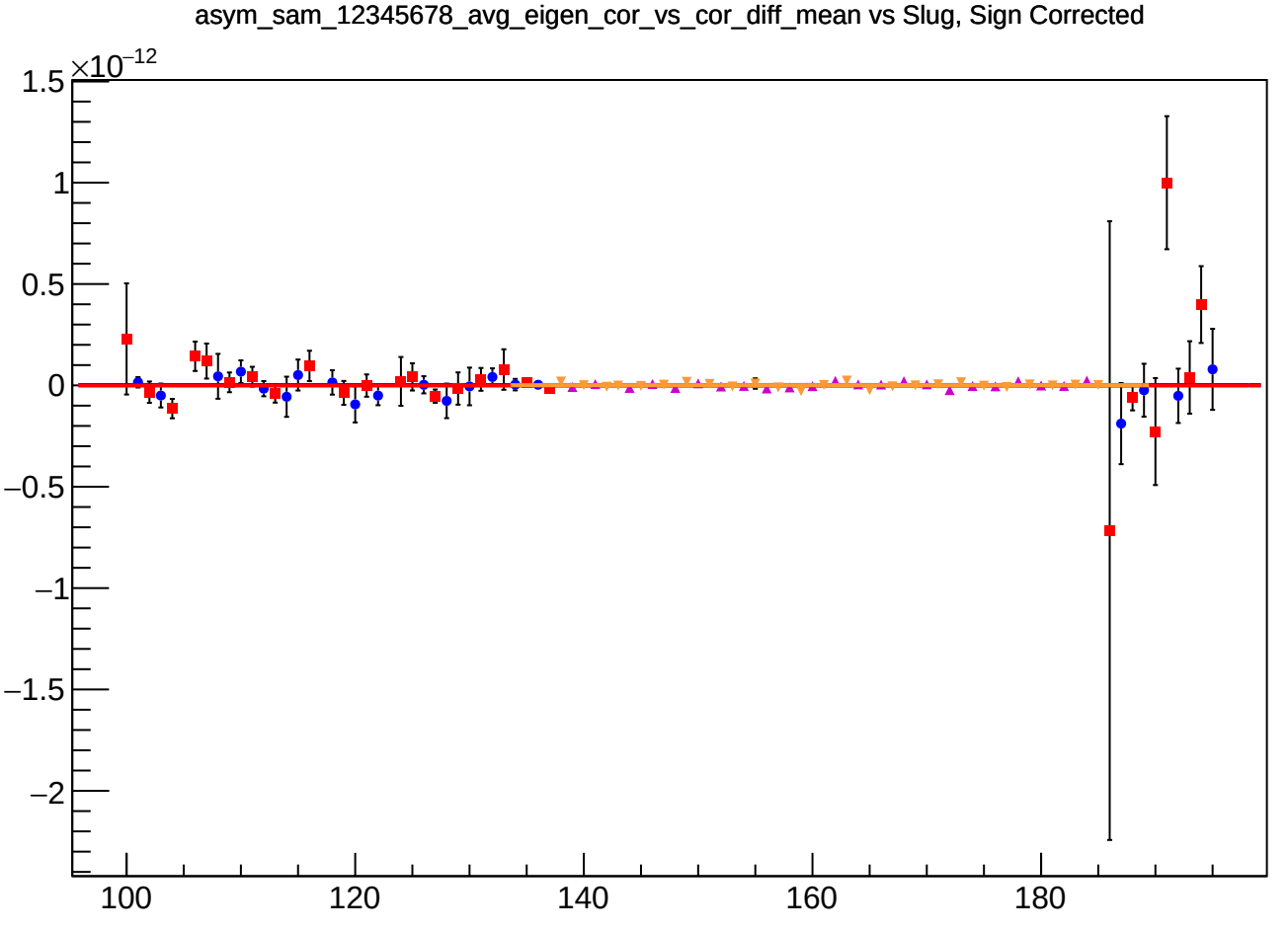
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 36.543+/-0.006 χ^2/NDF: 2188478.2/44

In: 36.162+/-0.005 χ^2/NDF:3938243.8/42

Out: 36.999+/-0.005 χ^2/NDF:5096936.6/49

All: 36.587+/-0.004 χ^2/NDF: 9048283.7/92



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/19

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/24

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

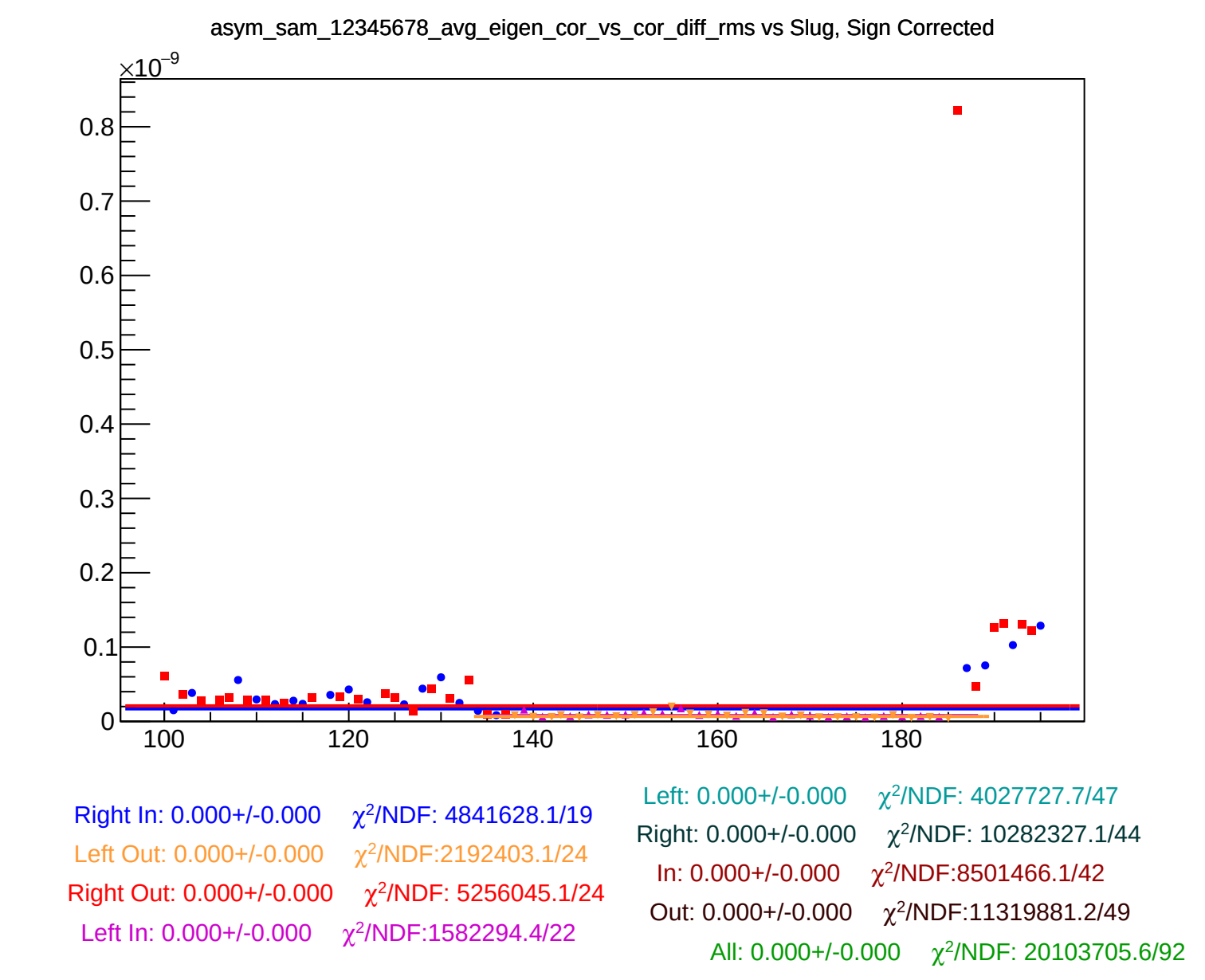
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

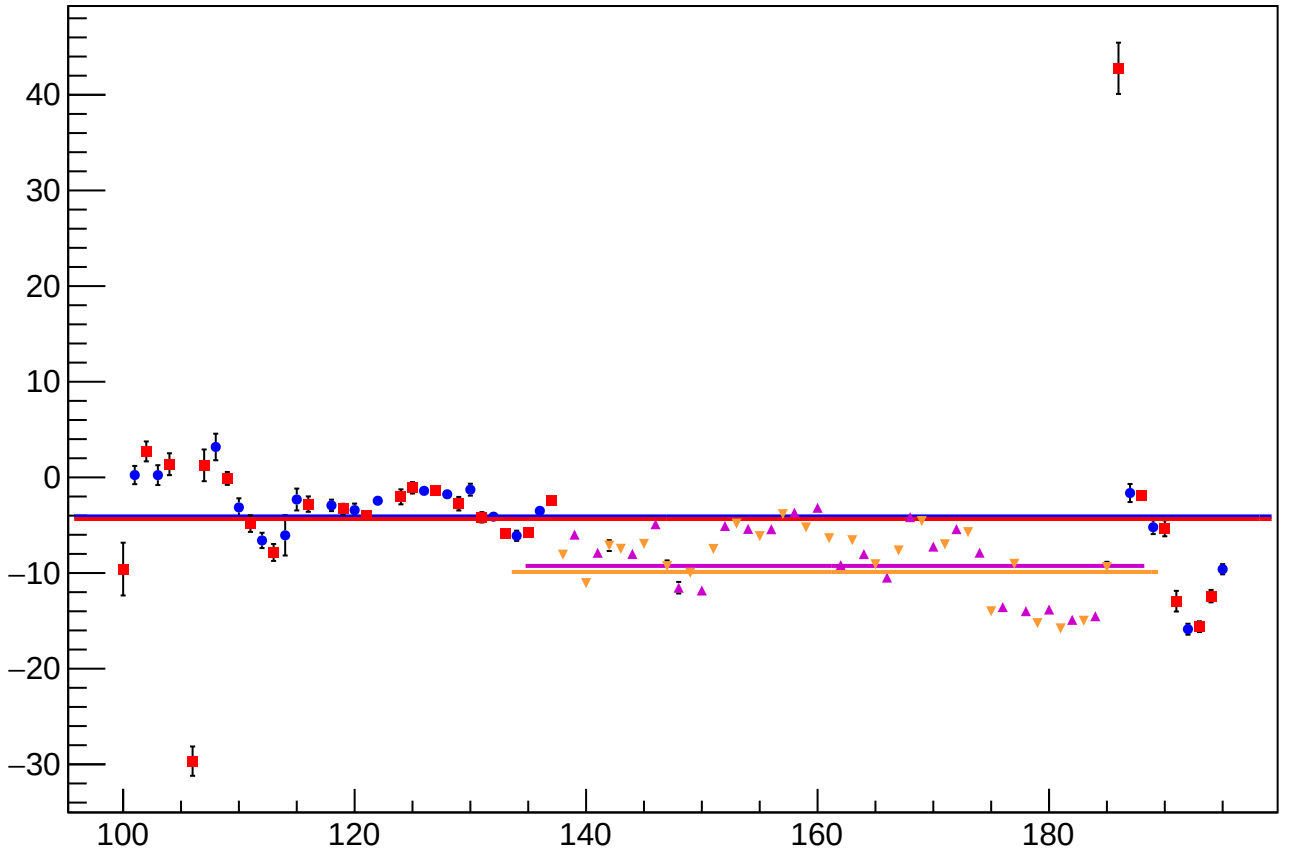
Right: 0.000+/-0.000 χ^2/NDF: 46.1/44

In: 0.000+/-0.000 χ^2/NDF:38.2/42

Out: 0.000+/-0.000 χ^2/NDF:58.5/49

All: 0.000+/-0.000 χ^2/NDF: 96.7/92


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4841628.1/19
Left Out: 0.000+/-0.000 χ²/NDF:2192403.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 5256045.1/24
Left In: 0.000+/-0.000 χ²/NDF:1582294.4/22
Left: 0.000+/-0.000 χ²/NDF: 4027727.7/47
Right: 0.000+/-0.000 χ²/NDF: 10282327.1/44
In: 0.000+/-0.000 χ²/NDF:8501466.1/42
Out: 0.000+/-0.000 χ²/NDF:11319881.2/49
All: 0.000+/-0.000 χ²/NDF: 20103705.6/92



Right In: -4.080+/-0.125 χ^2/NDF: 730.0/19

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.351+/-0.121 χ^2/NDF: 1543.6/24

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

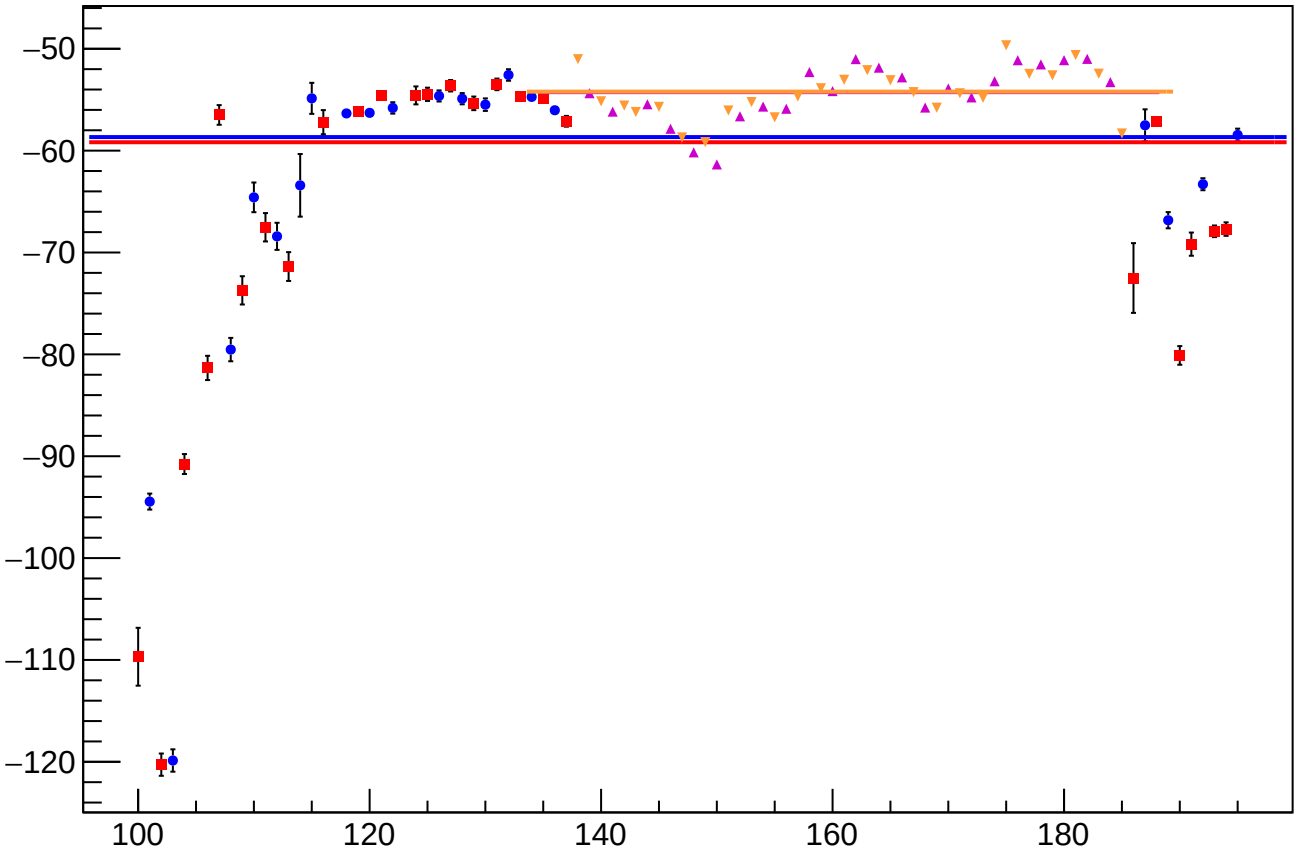
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.220+/-0.087 χ^2/NDF: 2276.0/44

In: -7.971+/-0.062 χ^2/NDF:5092.2/42

Out: -8.511+/-0.060 χ^2/NDF:6325.3/49

All: -8.249+/-0.043 χ^2/NDF: 11456.3/92



Right In: -58.668+/-0.127 χ^2/NDF: 6306.4/19

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.175+/-0.125 χ^2/NDF: 6926.0/24

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

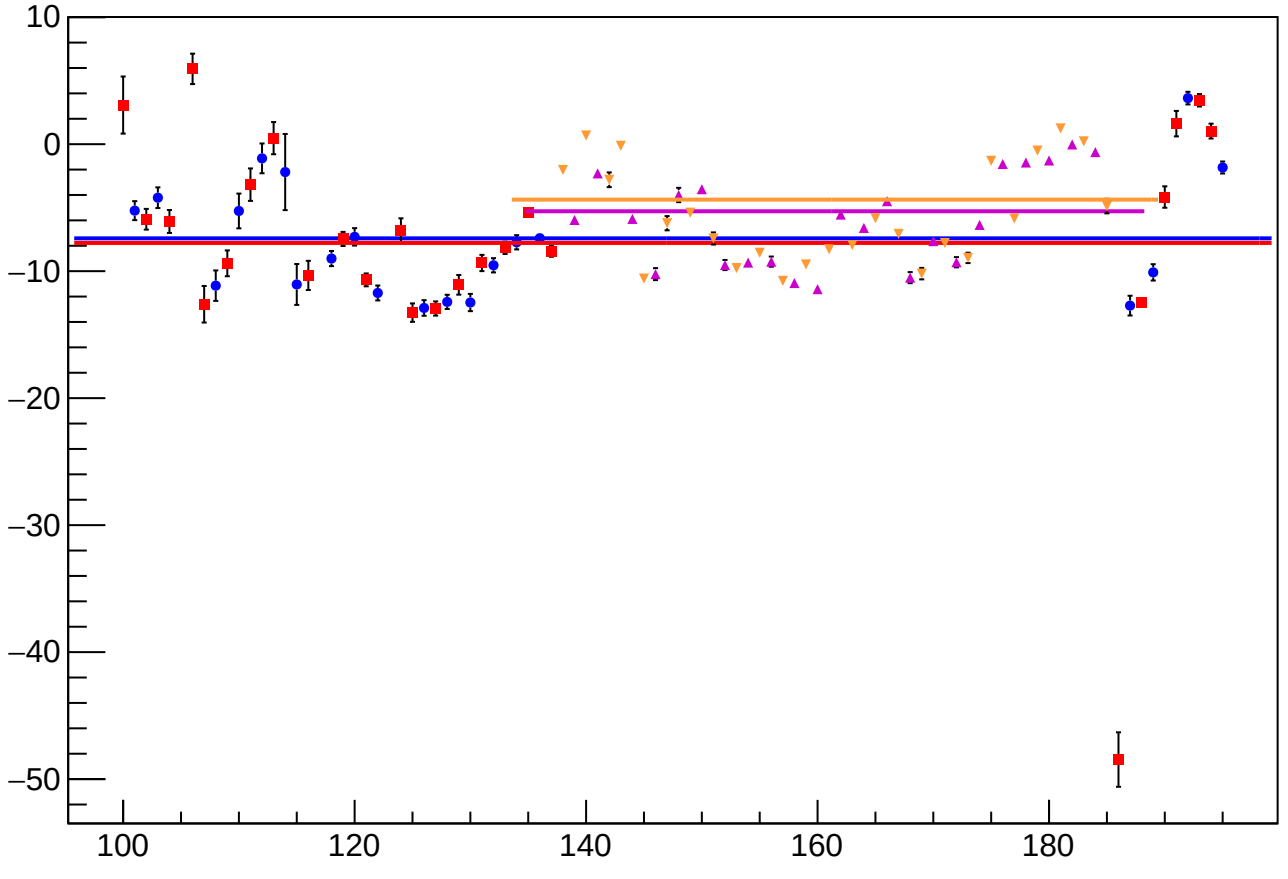
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -58.925+/-0.089 χ^2/NDF: 13240.5/44

In: -55.024+/-0.053 χ^2/NDF:9791.6/42

Out: -55.031+/-0.051 χ^2/NDF:10098.3/49

All: -55.028+/-0.037 χ^2/NDF: 19889.9/92



Right In: -7.416+/-0.129 χ^2/NDF: 1058.4/19

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -7.777+/-0.122 χ^2/NDF: 2034.4/24

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

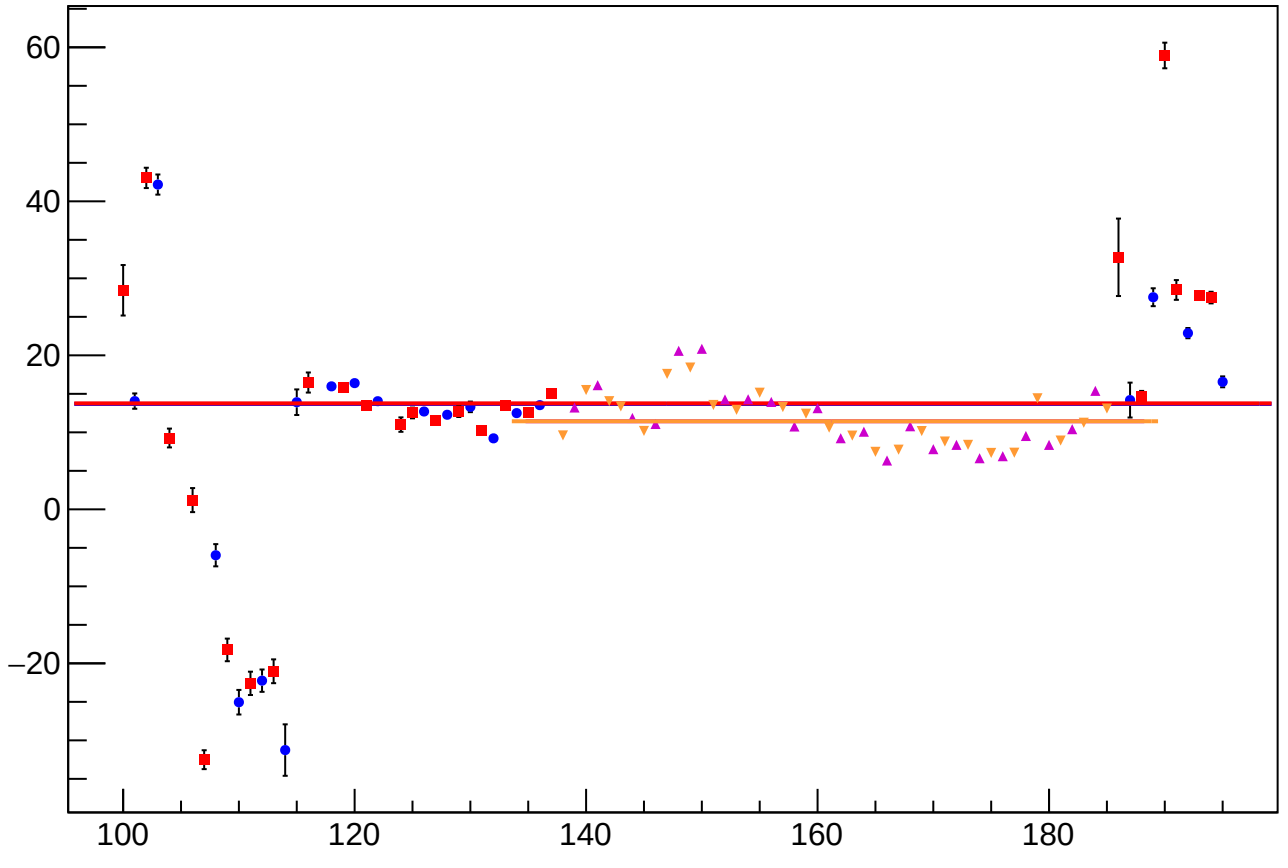
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -7.606+/-0.089 χ^2/NDF: 3096.9/44

In: -5.781+/-0.062 χ^2/NDF:4019.0/42

Out: -5.196+/-0.060 χ^2/NDF:6325.8/49

All: -5.479+/-0.043 χ^2/NDF: 10390.4/92



Right In: 13.687+/-0.142 χ^2/NDF: 2509.2/19

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 13.760+/-0.143 χ^2/NDF: 5364.8/24

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

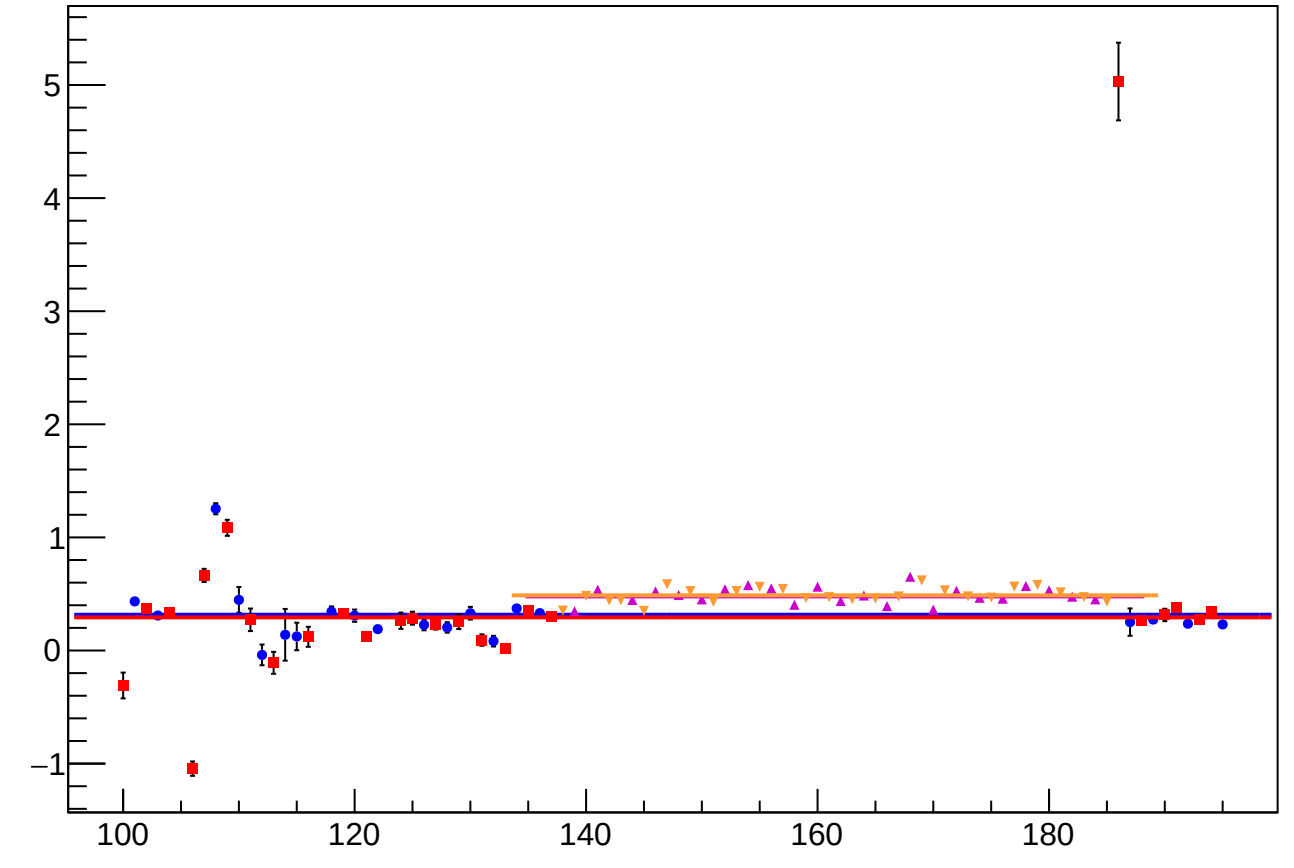
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

Right: 13.723+/-0.101 χ^2/NDF: 7874.1/44

In: 11.821+/-0.059 χ^2/NDF:6074.7/42

Out: 11.804+/-0.057 χ^2/NDF:8022.1/49

All: 11.813+/-0.041 χ^2/NDF: 14096.8/92



Right In: 0.316+/-0.007 χ^2/NDF: 477.3/19

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.293+/-0.007 χ^2/NDF: 983.1/24

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

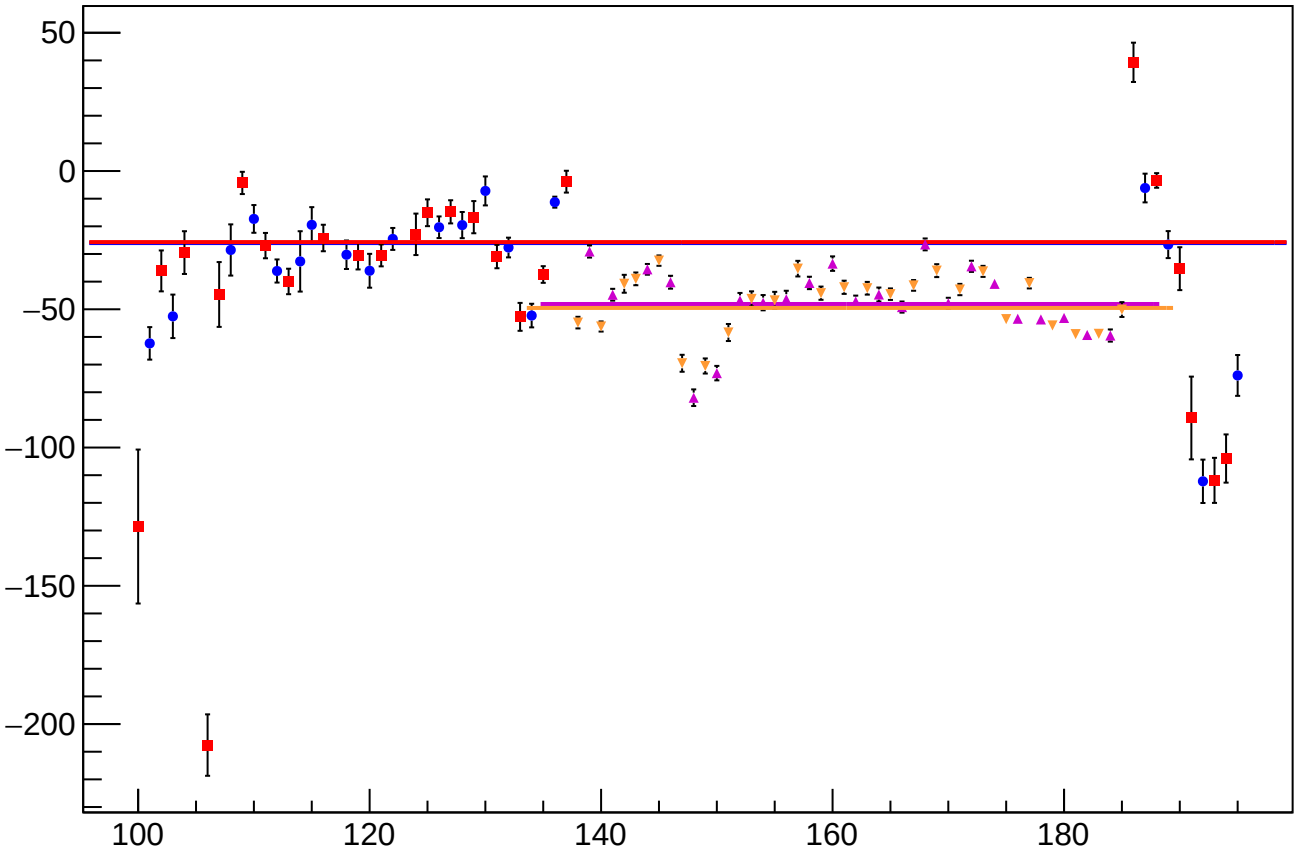
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.305+/-0.005 χ^2/NDF: 1466.0/44

In: 0.456+/-0.003 χ^2/NDF:1757.7/42

Out: 0.462+/-0.003 χ^2/NDF:2201.8/49

All: 0.459+/-0.002 χ^2/NDF: 3962.2/92



Right In: -26.051+/-1.020 χ^2/NDF: 351.1/19

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -25.698+/-1.007 χ^2/NDF: 784.0/24

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

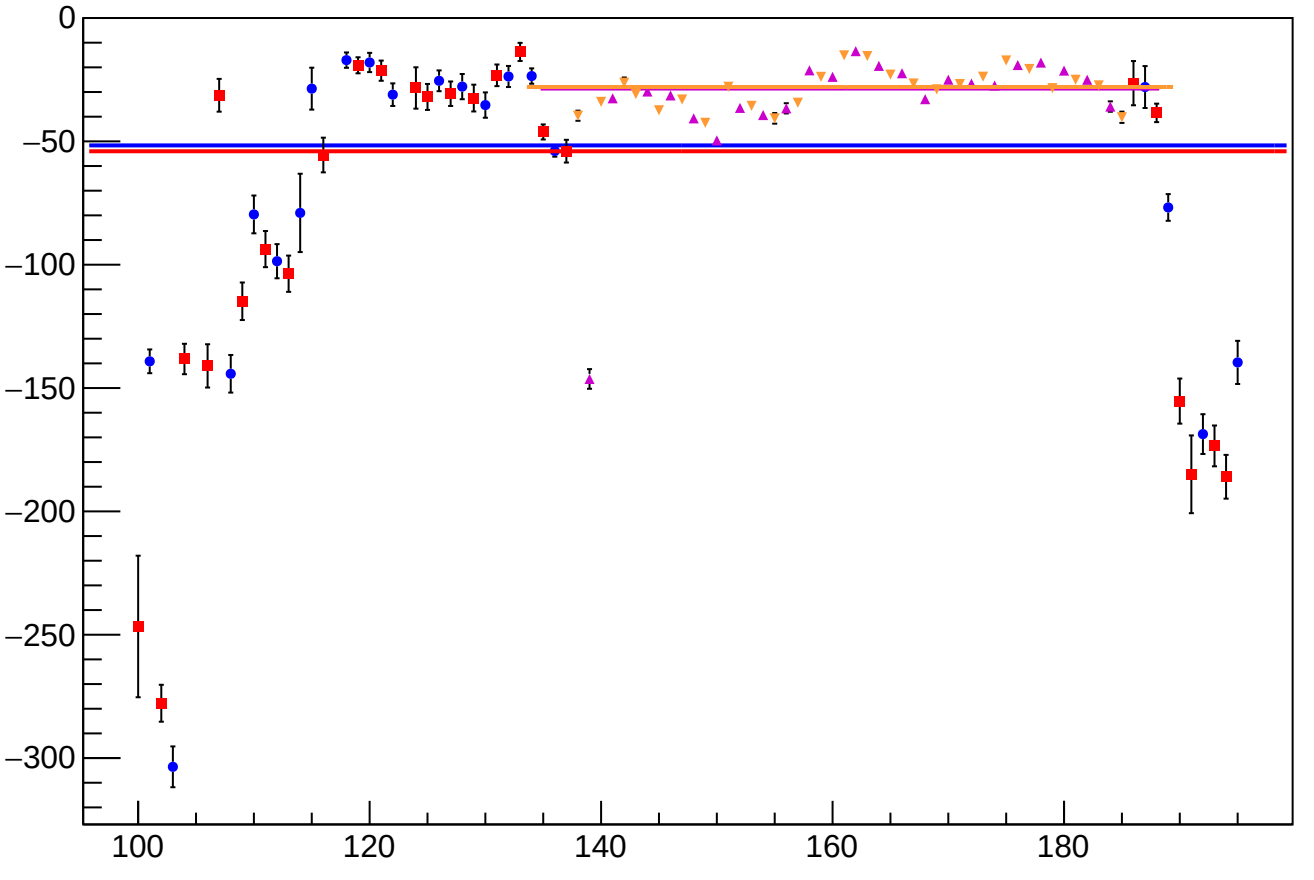
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -25.872+/-0.717 χ^2/NDF: 1135.1/44

In: -44.913+/-0.387 χ^2/NDF:1456.6/42

Out: -46.238+/-0.374 χ^2/NDF:1842.6/49

All: -45.599+/-0.269 χ^2/NDF: 3305.3/92



Right In: -51.641+/-1.053 χ^2/NDF: 2229.4/19

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -54.018+/-1.090 χ^2/NDF: 2442.2/24

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

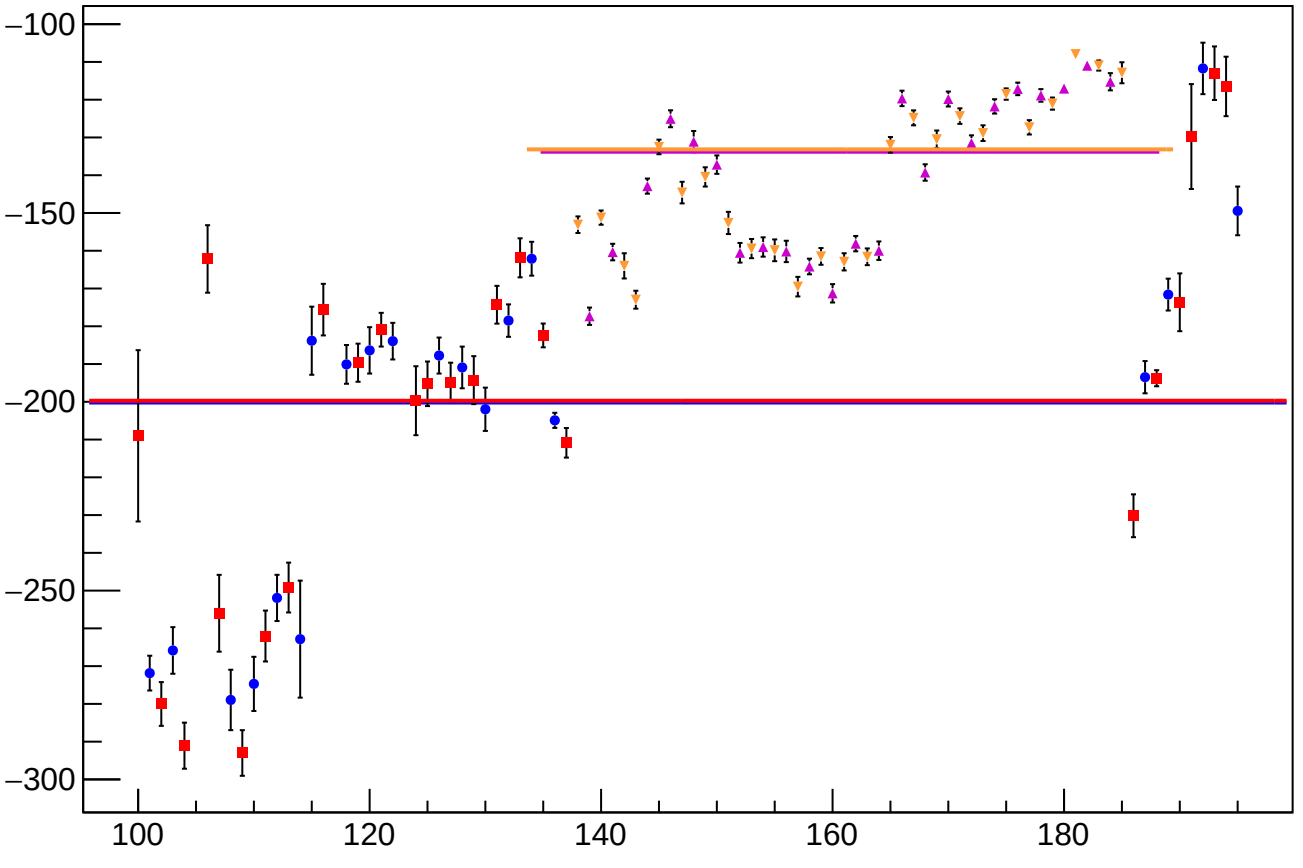
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -52.789+/-0.757 χ^2/NDF: 4674.0/44

In: -30.694+/-0.318 χ^2/NDF:4145.3/42

Out: -30.040+/-0.308 χ^2/NDF:3466.2/49

All: -30.356+/-0.221 χ^2/NDF: 7613.6/92



Right In: -200.191+/-1.068 χ^2/NDF: 1063.1/19

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -199.723+/-1.042 χ^2/NDF: 1334.1/24

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

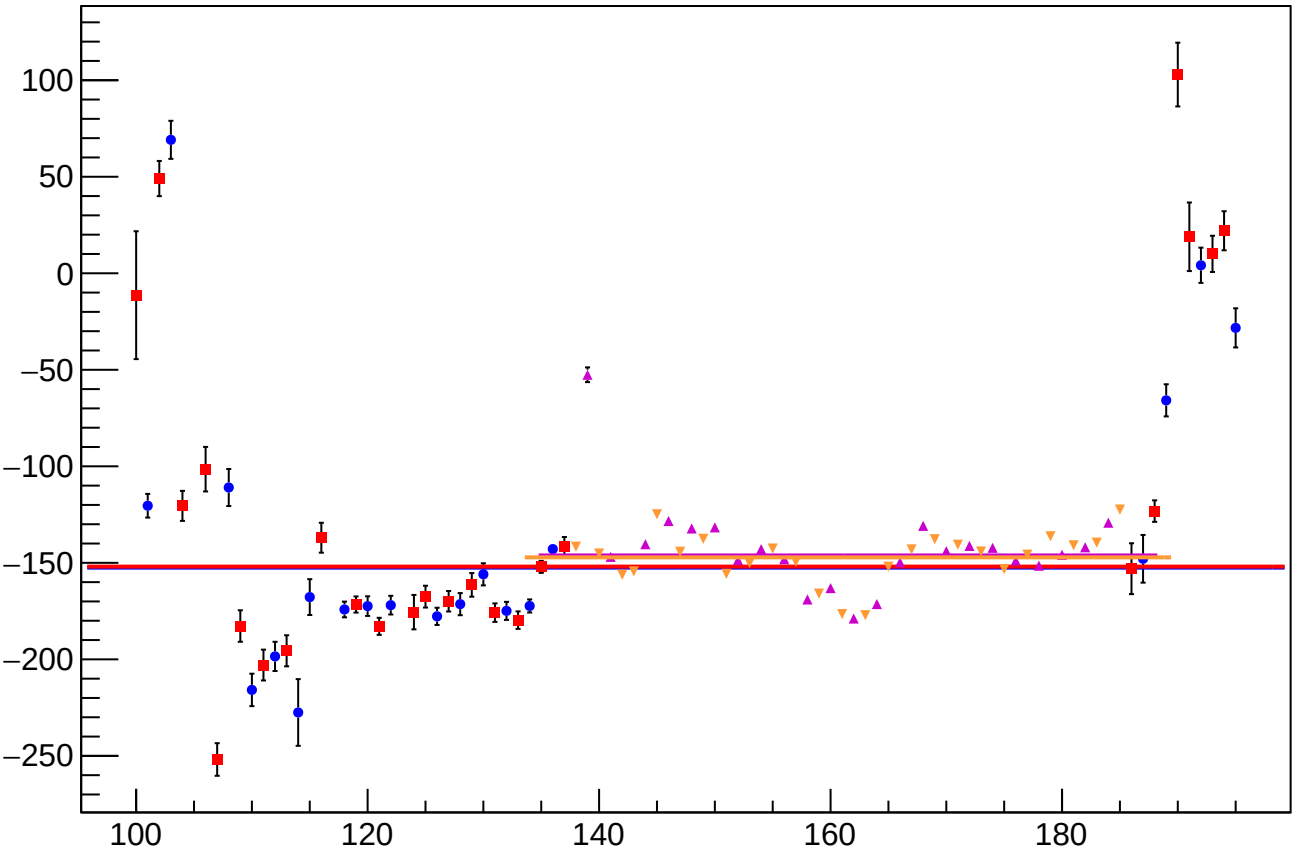
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -199.951+/-0.746 χ^2/NDF: 2397.3/44

In: -142.563+/-0.388 χ^2/NDF:6859.7/42

Out: -141.810+/-0.376 χ^2/NDF:7413.8/49

All: -142.174+/-0.270 χ^2/NDF: 14275.4/92



Right In: -152.481+/-1.188 χ^2/NDF: 1398.2/19

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -151.953+/-1.254 χ^2/NDF: 1886.3/24

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

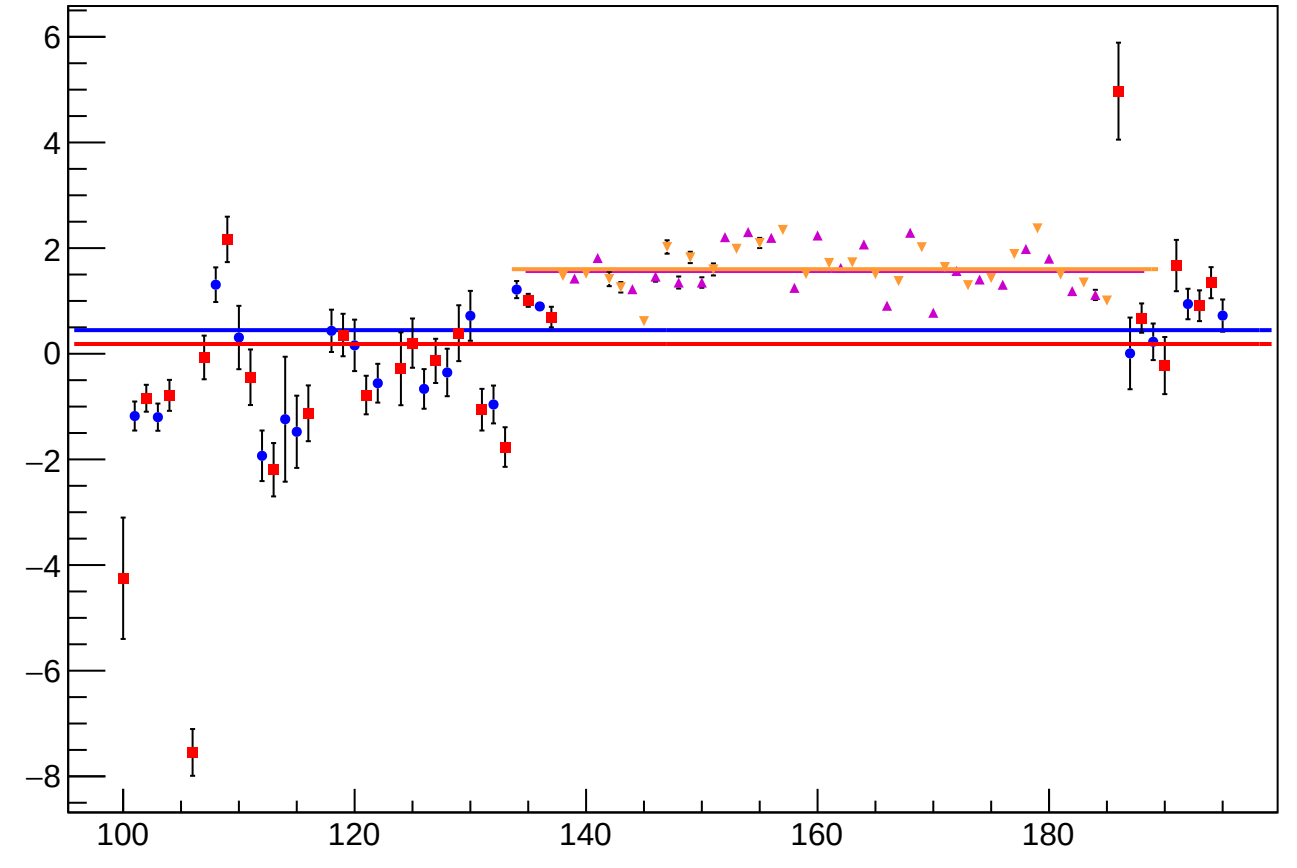
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -152.231+/-0.862 χ^2/NDF: 3284.5/44

In: -146.733+/-0.354 χ^2/NDF:3217.6/42

Out: -147.528+/-0.344 χ^2/NDF:3145.4/49

All: -147.141+/-0.247 χ^2/NDF: 6365.6/92



Right In: 0.447+/-0.061 χ^2/NDF: 202.3/19

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.185+/-0.065 χ^2/NDF: 558.1/24

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

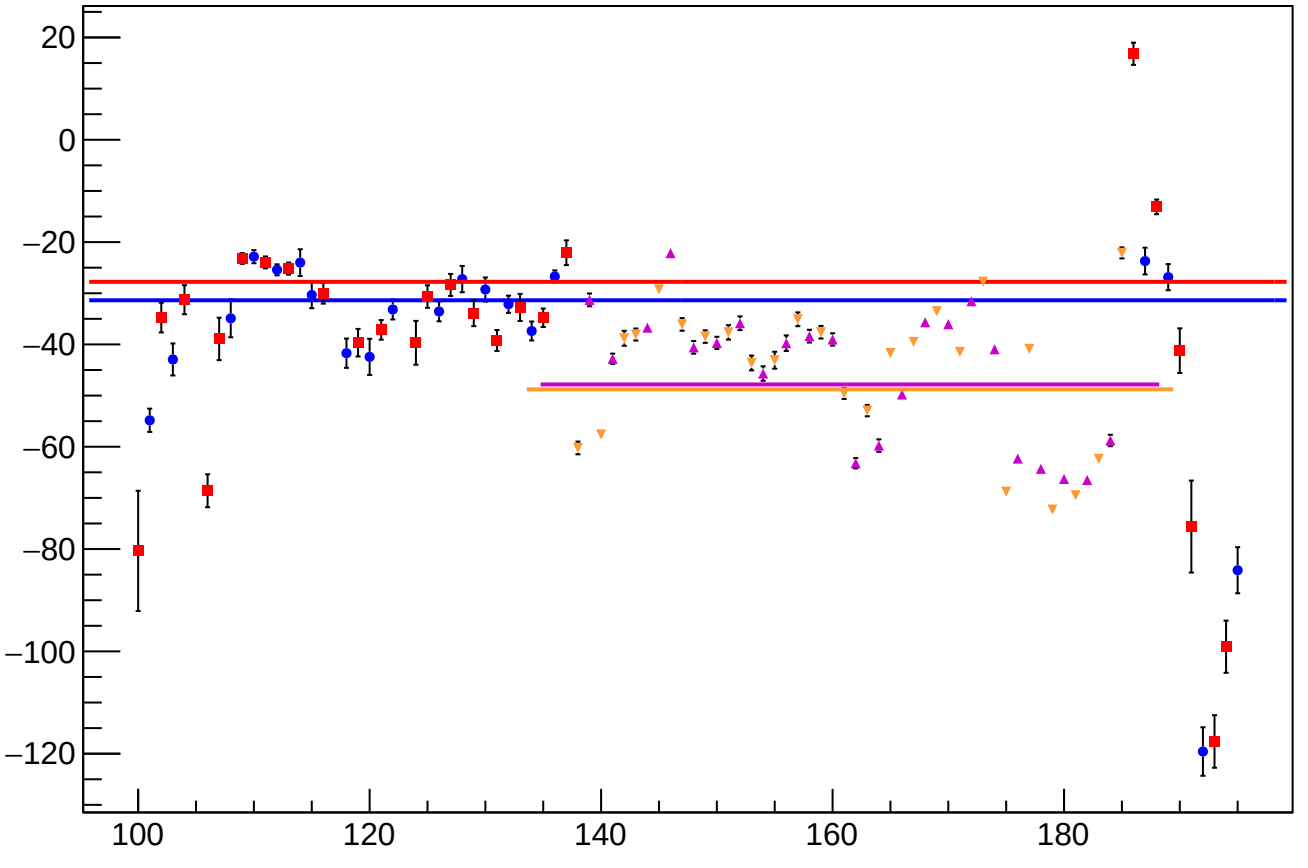
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.325+/-0.044 χ^2/NDF: 769.2/44

In: 1.491+/-0.016 χ^2/NDF:1255.0/42

Out: 1.520+/-0.016 χ^2/NDF:1587.1/49

All: 1.506+/-0.011 χ^2/NDF: 2843.8/92



Right In: -31.371+/-0.449 χ^2/NDF: 753.2/19

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -27.763+/-0.416 χ^2/NDF: 1412.0/24

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

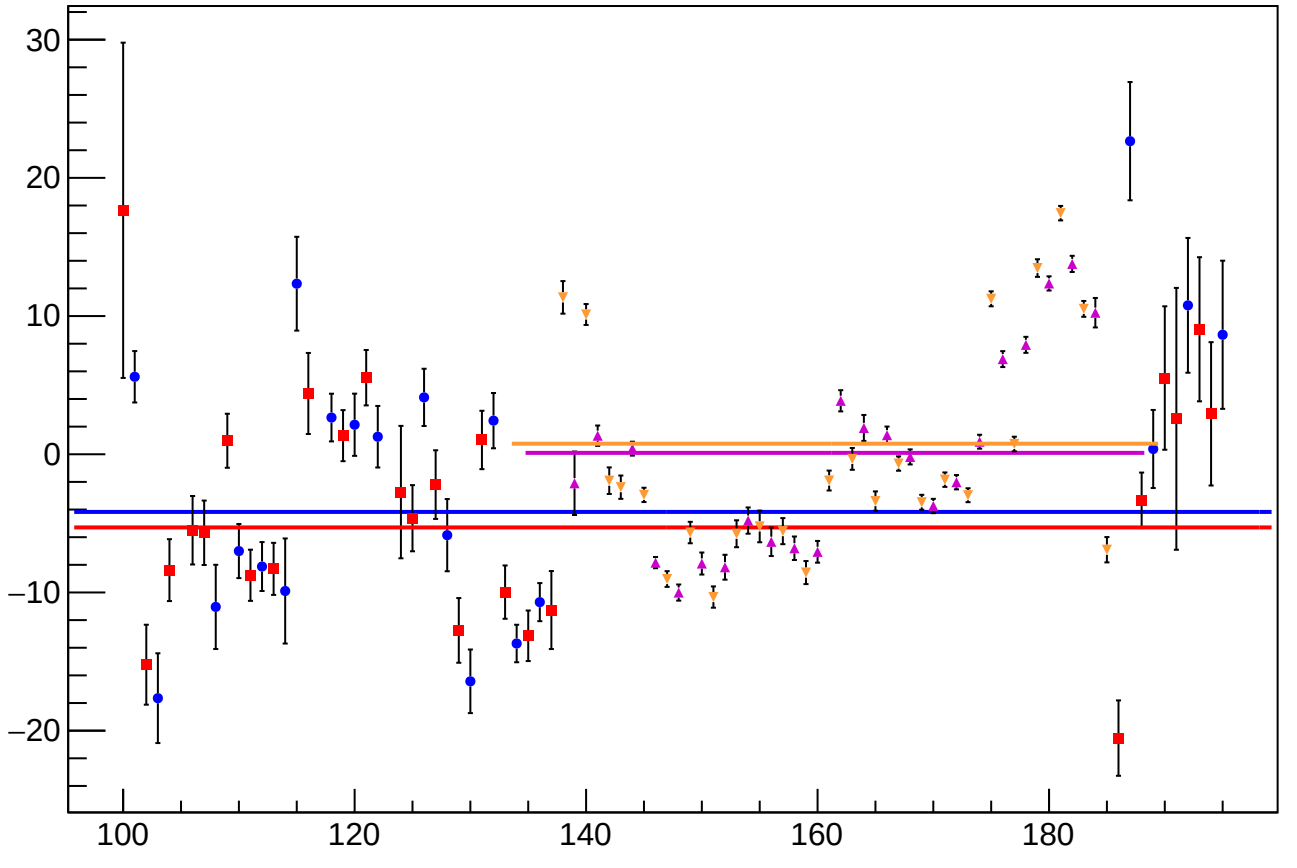
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

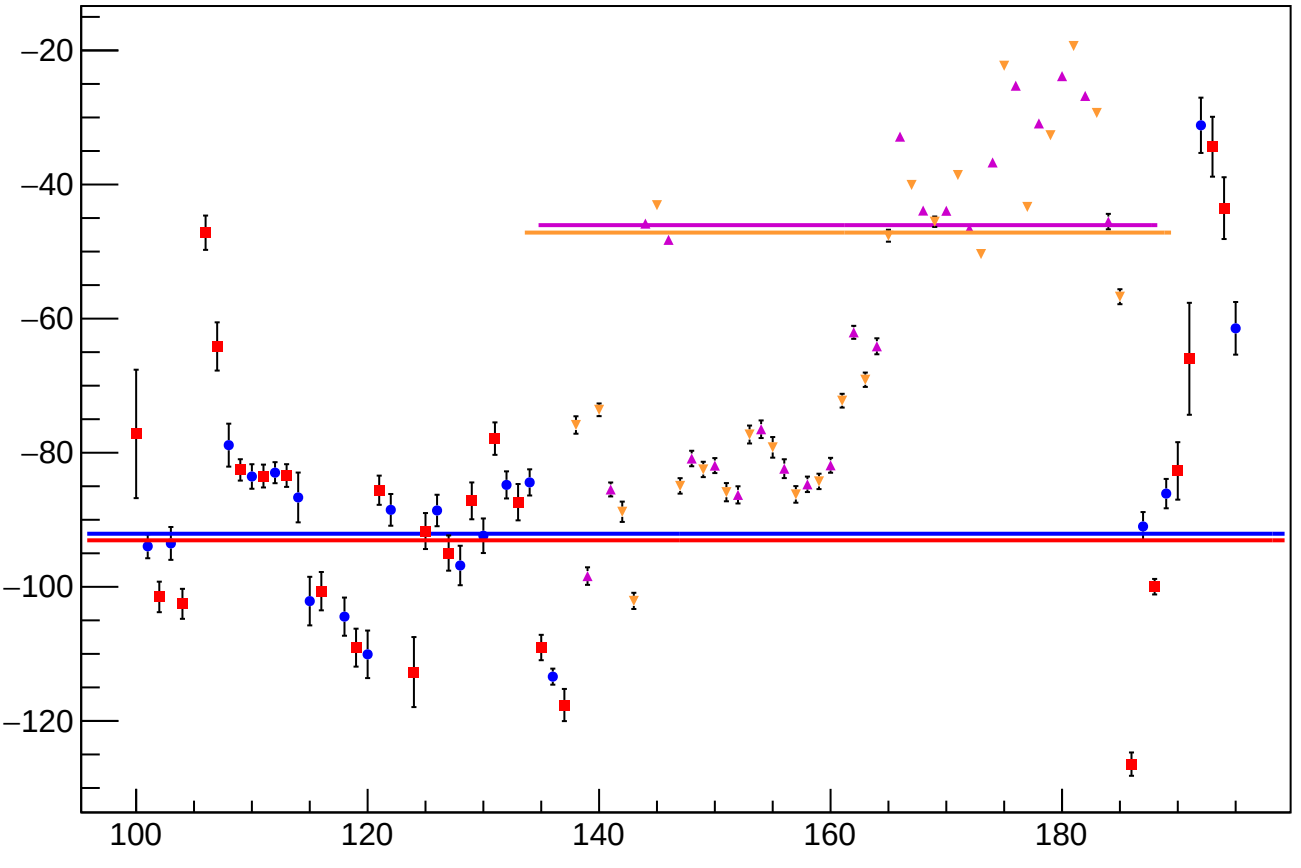
Right: -29.432+/-0.305 χ^2/NDF: 2199.9/44

In: -45.759+/-0.159 χ^2/NDF:9151.0/42

Out: -45.879+/-0.155 χ^2/NDF:12561.1/49

All: -45.820+/-0.111 χ^2/NDF: 21712.3/92


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
Right In: -4.172+/-0.493 χ²/NDF: 296.9/19
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -5.294+/-0.491 χ²/NDF: 183.8/24
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.736+/-0.348 χ²/NDF: 483.2/44
In: -0.187+/-0.128 χ²/NDF:3088.6/42
Out: 0.355+/-0.128 χ²/NDF:3793.1/49
All: 0.085+/-0.091 χ²/NDF: 6890.7/92



Right In: -92.082+/-0.499 χ^2/NDF: 768.0/19

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -93.062+/-0.465 χ^2/NDF: 1527.1/24

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

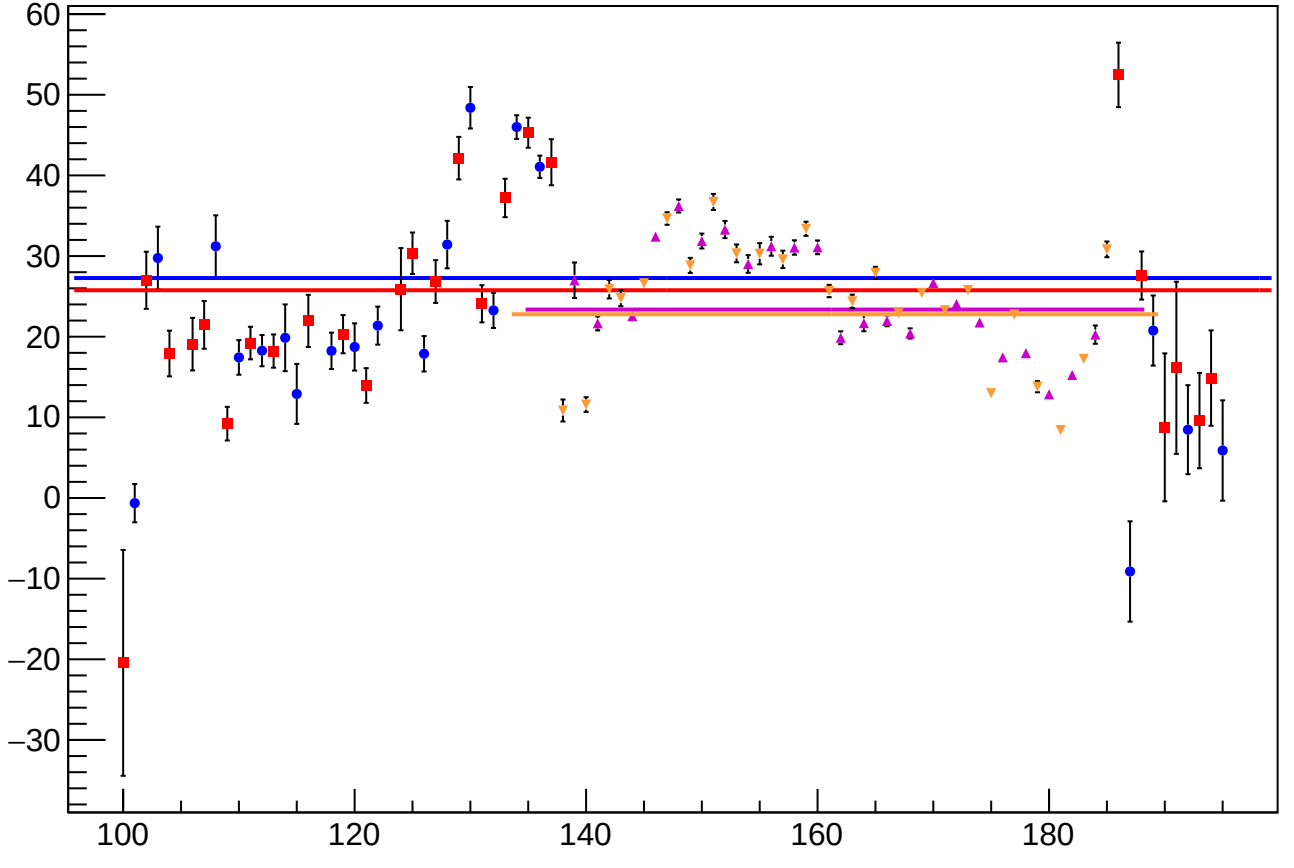
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -92.607+/-0.340 χ^2/NDF: 2297.2/44

In: -50.853+/-0.161 χ^2/NDF:23158.6/42

Out: -52.450+/-0.158 χ^2/NDF:27822.2/49

All: -51.668+/-0.113 χ^2/NDF: 51031.1/92



Right In: 27.274+/-0.557 χ^2/NDF: 644.9/19

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.761+/-0.566 χ^2/NDF: 415.0/24

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

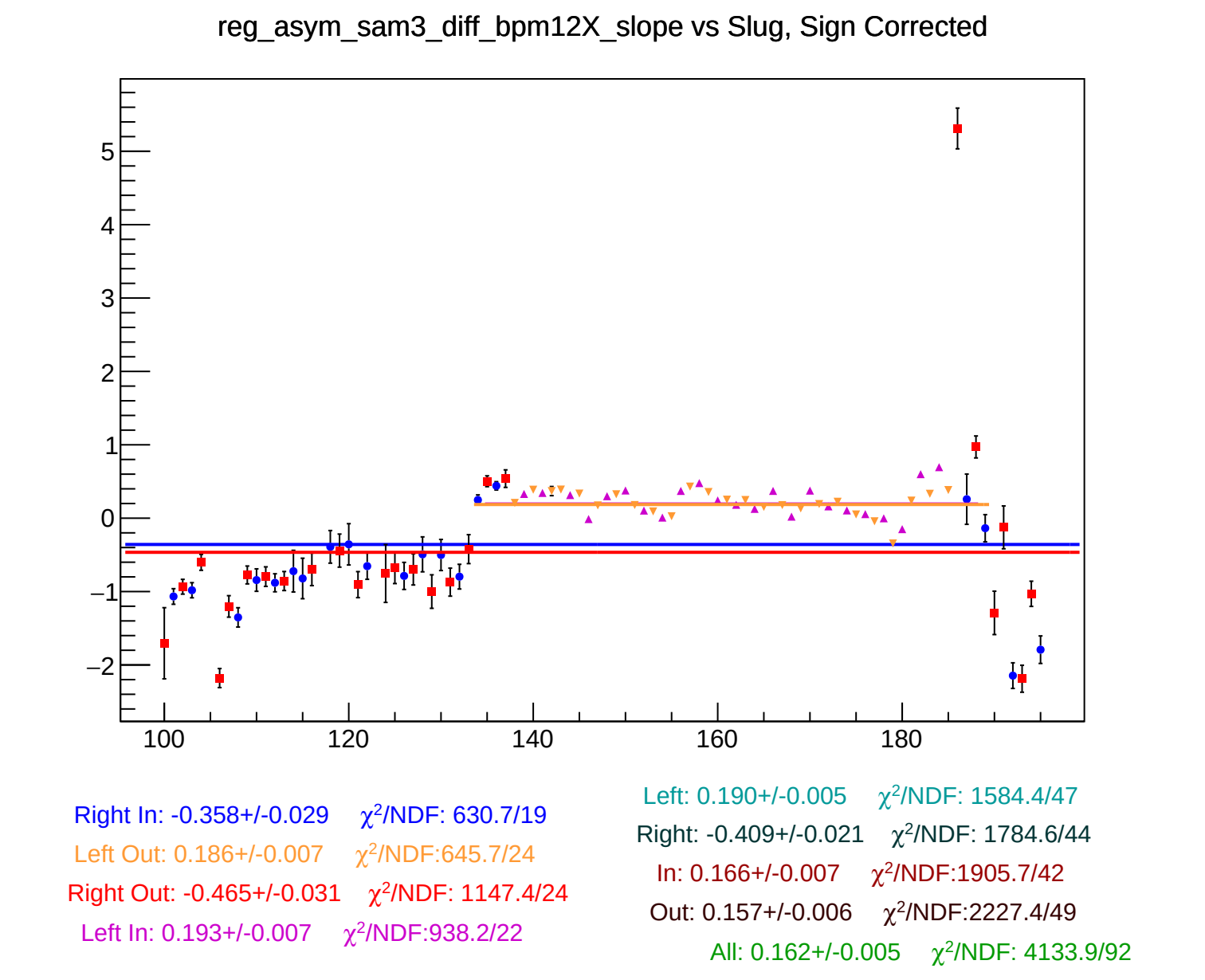
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

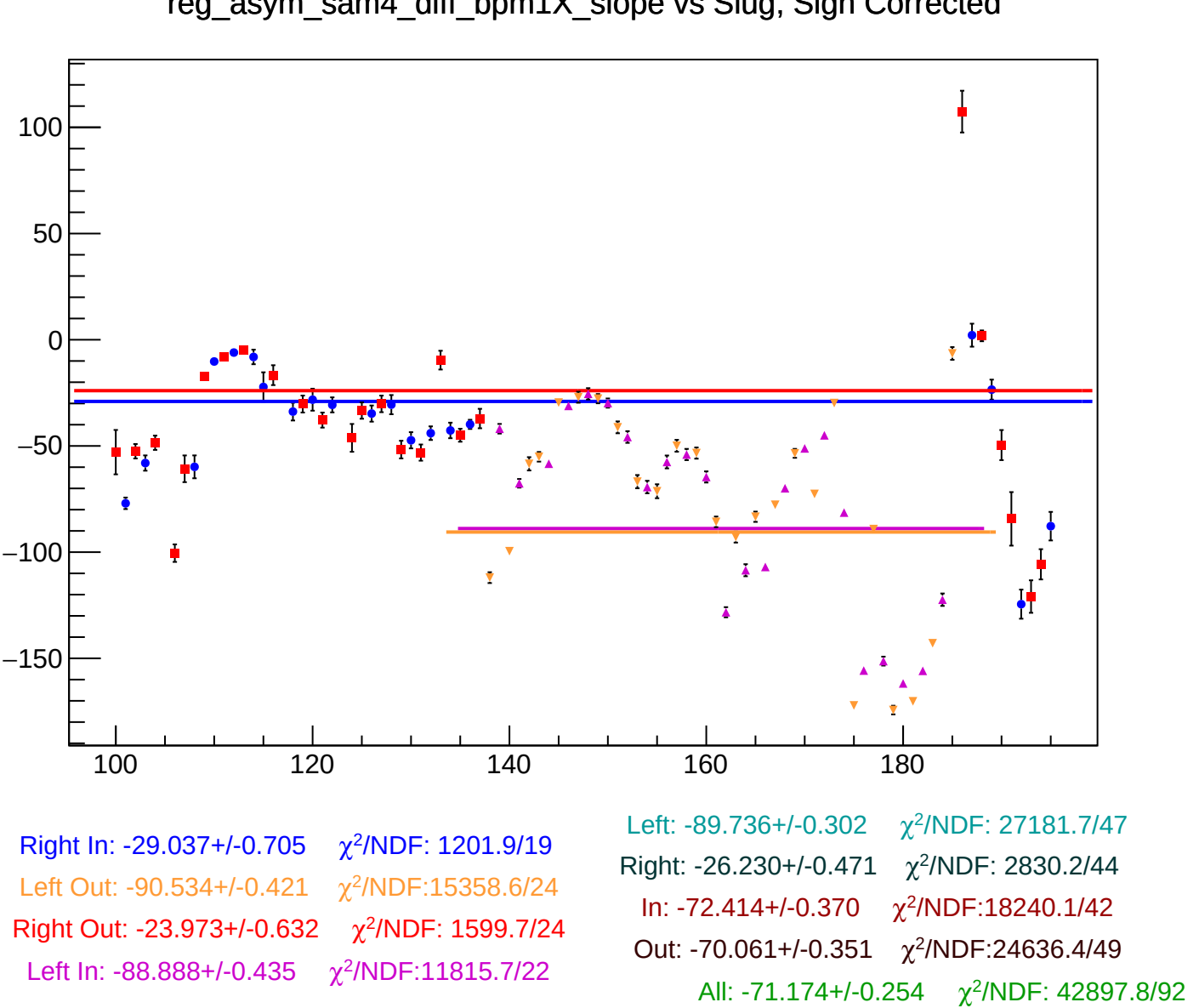
Right: 26.530+/-0.397 χ^2/NDF: 1063.5/44

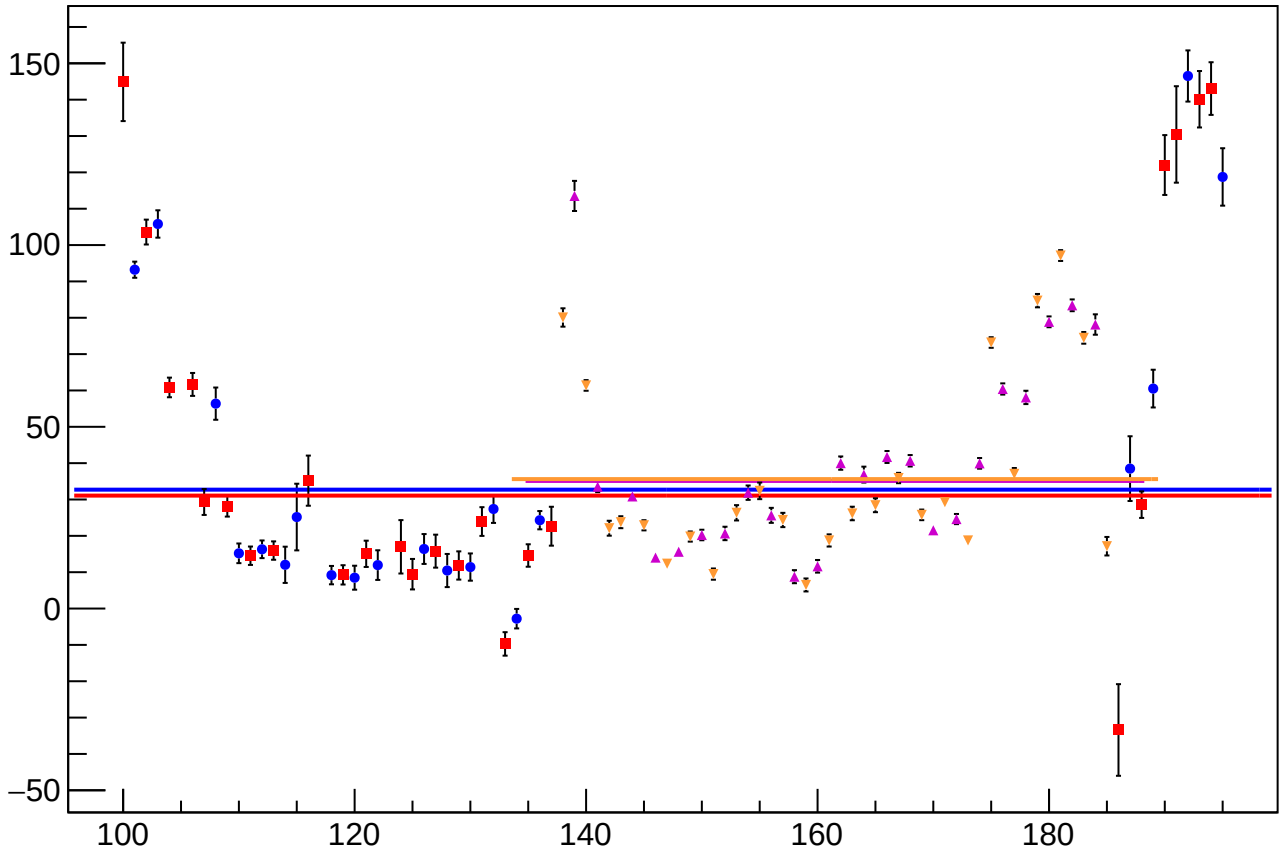
In: 23.626+/-0.144 χ^2/NDF:2476.3/42

Out: 22.971+/-0.143 χ^2/NDF:2853.9/49

All: 23.296+/-0.101 χ^2/NDF: 5340.6/92


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: -0.358+/-0.029 χ²/NDF: 630.7/19
Left Out: 0.186+/-0.007 χ²/NDF:645.7/24
Right Out: -0.465+/-0.031 χ²/NDF: 1147.4/24
Left In: 0.193+/-0.007 χ²/NDF:938.2/22
Left: 0.190+/-0.005 χ²/NDF: 1584.4/47
Right: -0.409+/-0.021 χ²/NDF: 1784.6/44
In: 0.166+/-0.007 χ²/NDF:1905.7/42
Out: 0.157+/-0.006 χ²/NDF:2227.4/49
All: 0.162+/-0.005 χ²/NDF: 4133.9/92


reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
120
140
160
180
Right In: -29.037+/-0.705 χ²/NDF: 1201.9/19
Left Out: -90.534+/-0.421 χ²/NDF:15358.6/24
Right Out: -23.973+/-0.632 χ²/NDF: 1599.7/24
Left In: -88.888+/-0.435 χ²/NDF:11815.7/22
Left: -89.736+/-0.302 χ²/NDF: 27181.7/47
Right: -26.230+/-0.471 χ²/NDF: 2830.2/44
In: -72.414+/-0.370 χ²/NDF:18240.1/42
Out: -70.061+/-0.351 χ²/NDF:24636.4/49
All: -71.174+/-0.254 χ²/NDF: 42897.8/92



Right In: 32.708+/-0.785 χ^2/NDF: 2089.6/19

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 31.074+/-0.764 χ^2/NDF: 1843.6/24

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

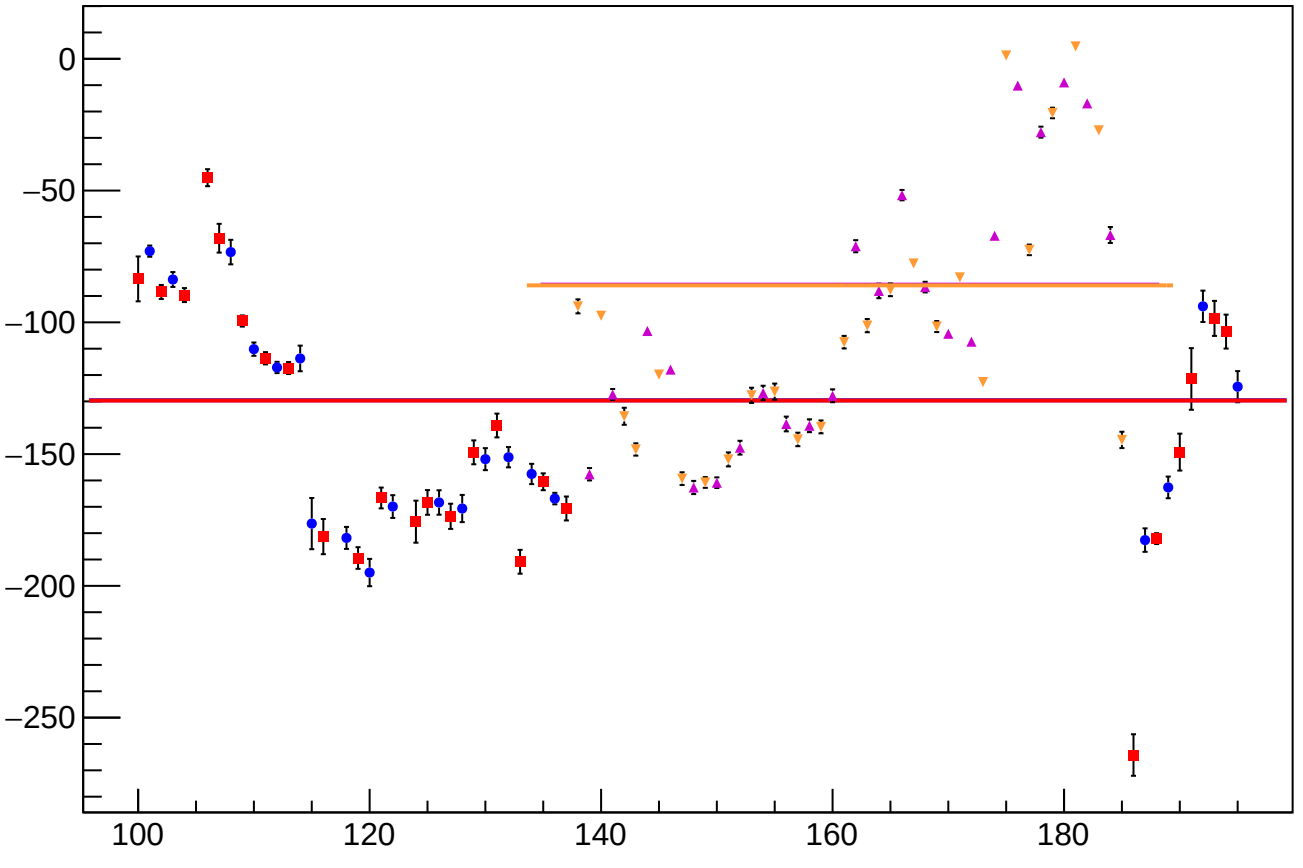
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 31.869+/-0.548 χ^2/NDF: 3935.4/44

In: 34.739+/-0.309 χ^2/NDF:6241.9/42

Out: 34.914+/-0.300 χ^2/NDF:7846.5/49

All: 34.829+/-0.215 χ^2/NDF: 14088.6/92



Right In: -129.581+/-0.786 χ^2/NDF: 2429.6/19

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -129.669+/-0.726 χ^2/NDF: 3496.7/24

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

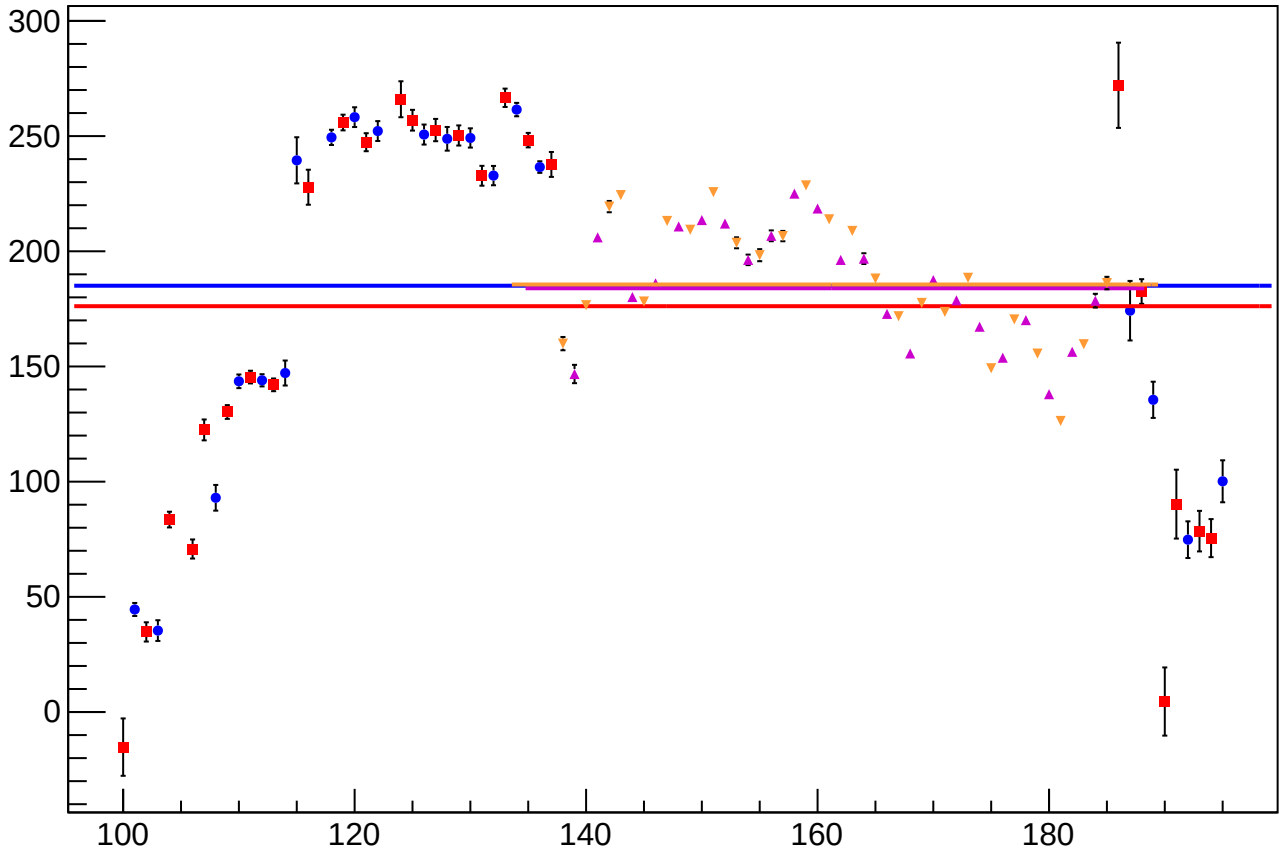
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -129.628+/-0.533 χ^2/NDF: 5926.3/44

In: -95.909+/-0.379 χ^2/NDF:18581.9/42

Out: -96.958+/-0.364 χ^2/NDF:22441.2/49

All: -96.454+/-0.263 χ^2/NDF: 41027.1/92



Right In: 185.050+/-0.899 χ^2/NDF: 7448.5/19

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 176.165+/-0.881 χ^2/NDF: 7145.9/24

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

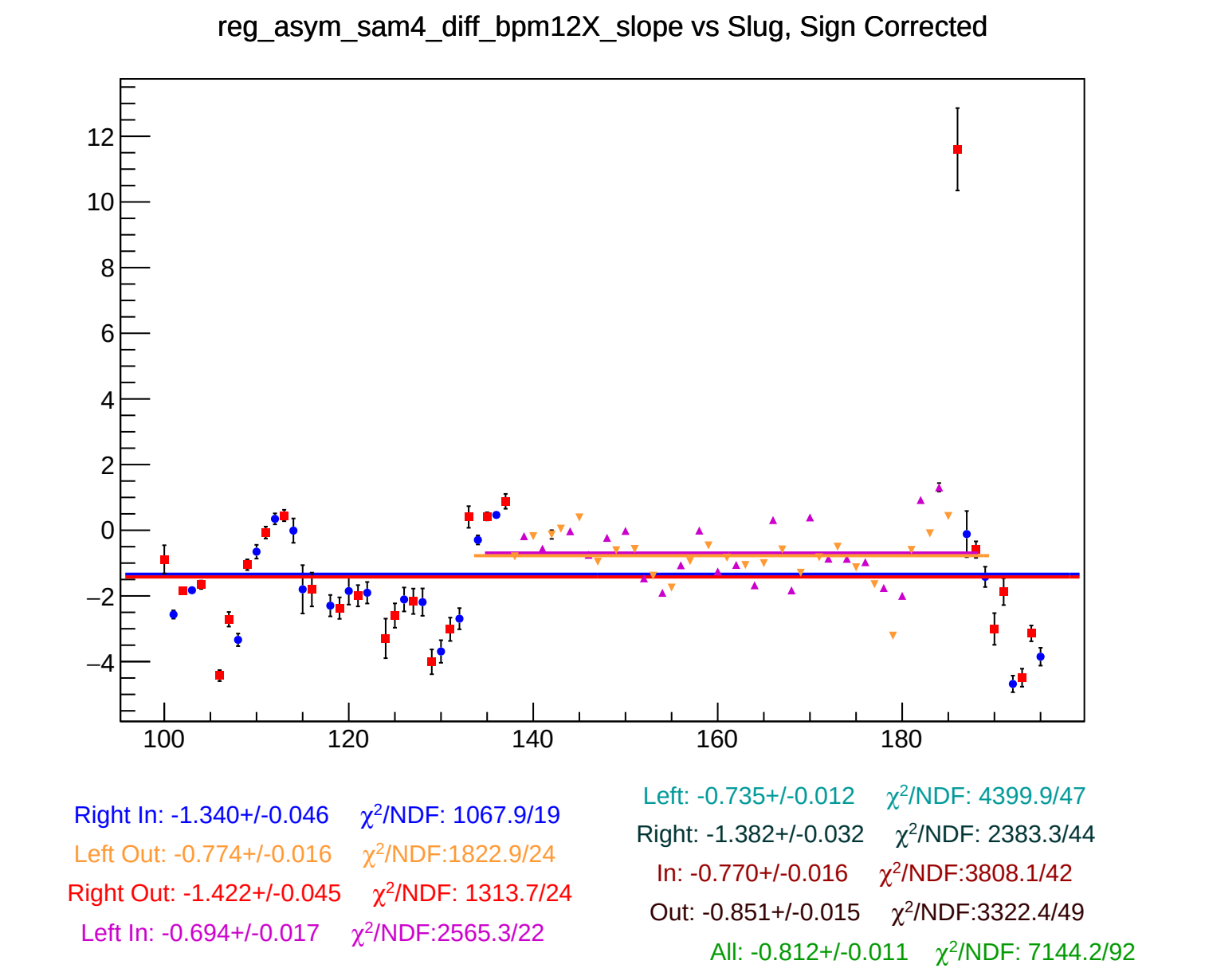
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

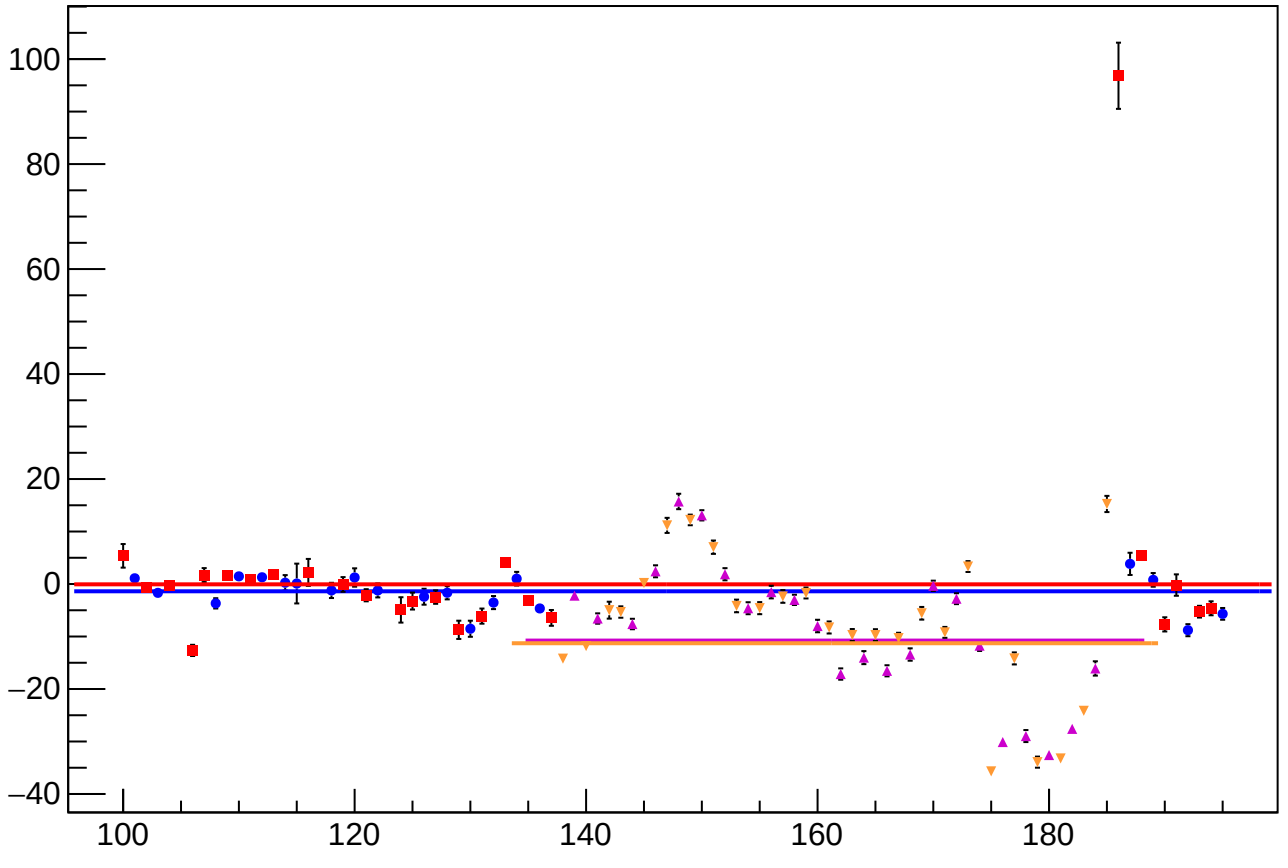
Right: 180.518+/-0.629 χ^2/NDF: 14644.2/44

In: 184.106+/-0.348 χ^2/NDF:11323.3/42

Out: 184.193+/-0.339 χ^2/NDF:12598.0/49

All: 184.151+/-0.243 χ^2/NDF: 23921.3/92


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
Right In: -1.340+/-0.046 χ²/NDF: 1067.9/19
Left Out: -0.774+/-0.016 χ²/NDF:1822.9/24
Right Out: -1.422+/-0.045 χ²/NDF: 1313.7/24
Left In: -0.694+/-0.017 χ²/NDF:2565.3/22
Left: -0.735+/-0.012 χ²/NDF: 4399.9/47
Right: -1.382+/-0.032 χ²/NDF: 2383.3/44
In: -0.770+/-0.016 χ²/NDF:3808.1/42
Out: -0.851+/-0.015 χ²/NDF:3322.4/49
All: -0.812+/-0.011 χ²/NDF: 7144.2/92



Right In: -1.387+/-0.236 χ^2/NDF: 171.2/19

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.059+/-0.201 χ^2/NDF: 665.2/24

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

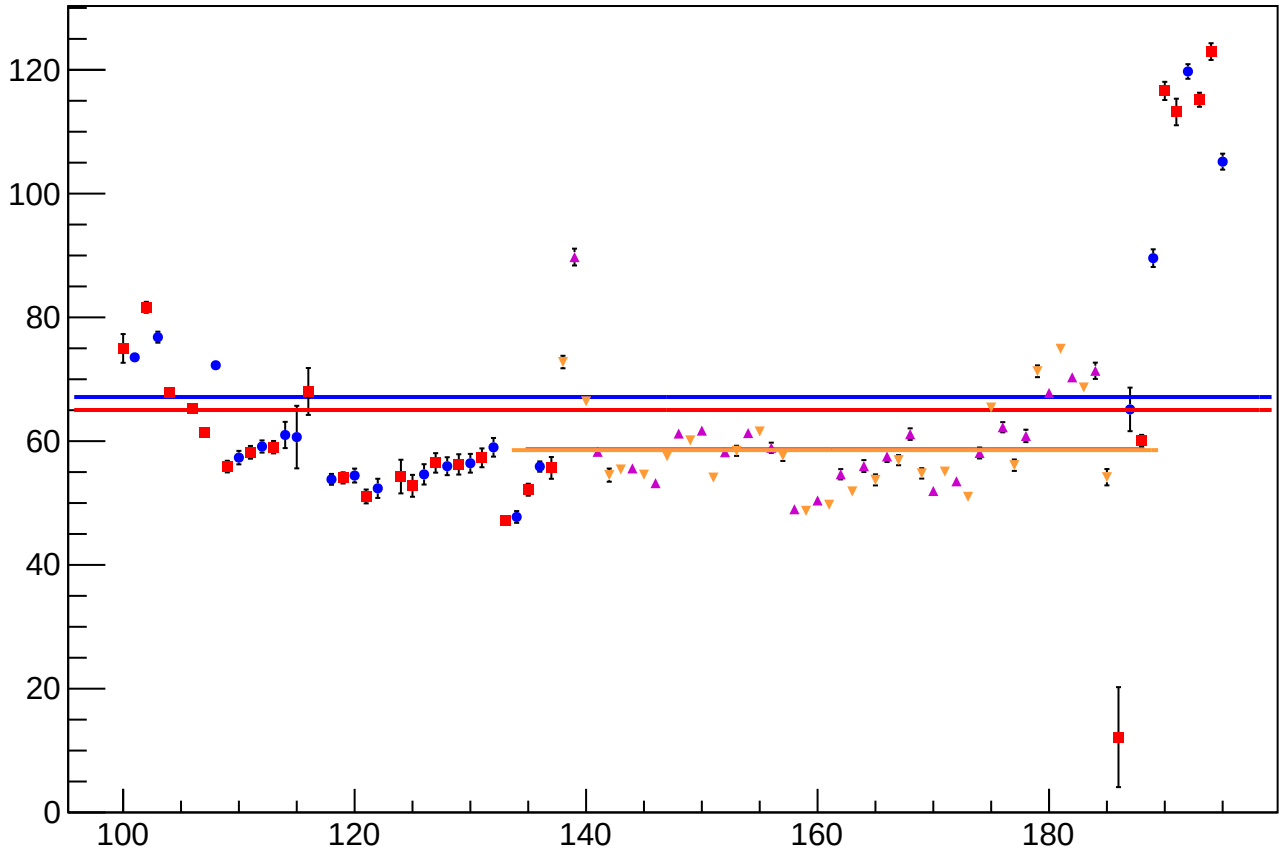
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -0.617+/-0.153 χ^2/NDF: 854.7/44

In: -6.551+/-0.158 χ^2/NDF:4741.6/42

Out: -5.476+/-0.144 χ^2/NDF:6672.4/49

All: -5.965+/-0.107 χ^2/NDF: 11439.2/92



Right In: 67.128+/-0.249 χ^2/NDF: 4765.8/19

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 65.033+/-0.224 χ^2/NDF: 7562.9/24

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

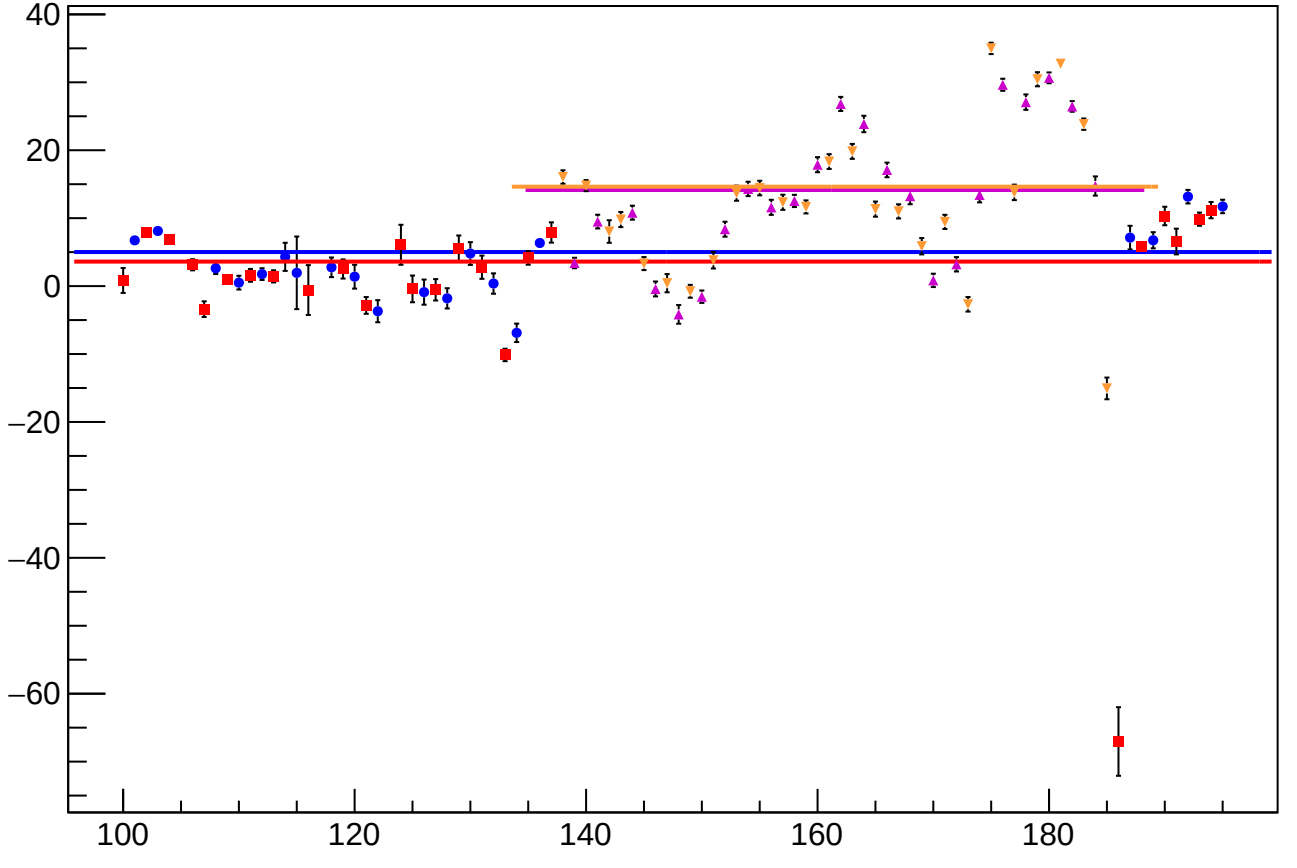
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 65.967+/-0.166 χ^2/NDF: 12367.8/44

In: 61.326+/-0.140 χ^2/NDF:7168.1/42

Out: 60.766+/-0.131 χ^2/NDF:10018.4/49

All: 61.027+/-0.095 χ^2/NDF: 17195.1/92



Right In: 5.015+/-0.241 χ^2/NDF: 344.2/19

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 3.606+/-0.208 χ^2/NDF: 724.4/24

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

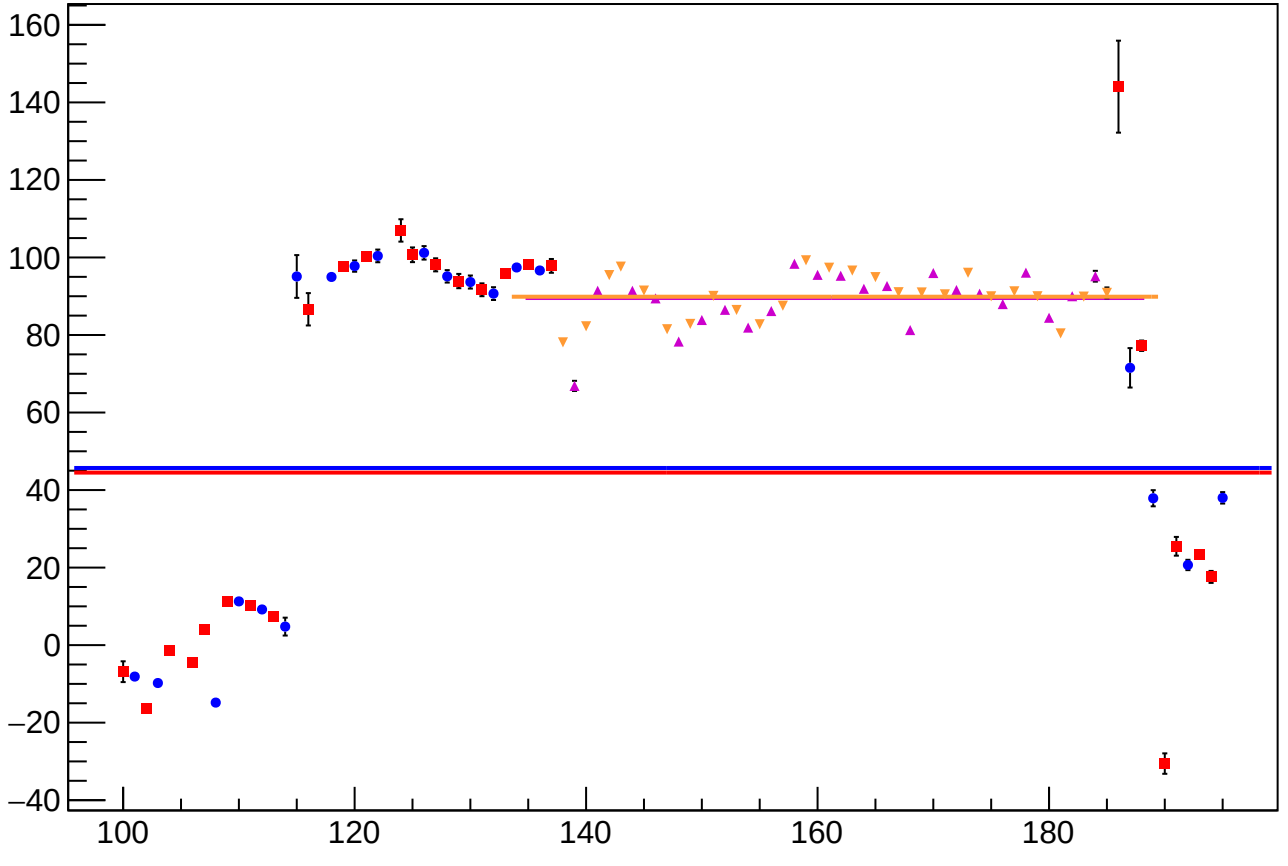
Right: 4.209+/-0.158 χ^2/NDF: 1088.1/44

In: 10.173+/-0.159 χ^2/NDF:3698.2/42

Out: 9.163+/-0.147 χ^2/NDF:5098.8/49

All: 9.628+/-0.108 χ^2/NDF: 8818.8/92

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.698+/-0.291 χ^2/NDF: 27337.8/19

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 44.506+/-0.265 χ^2/NDF: 31037.9/24

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

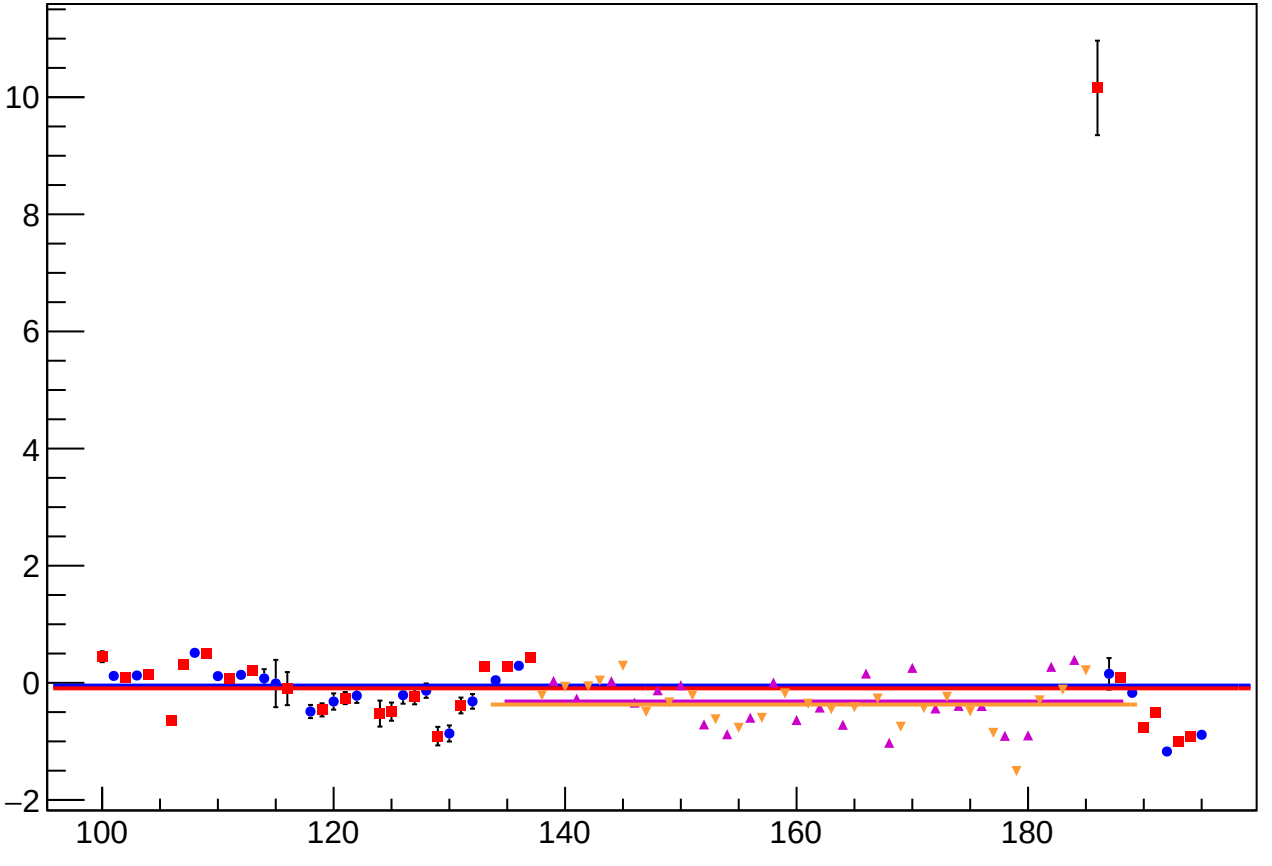
Right: 45.046+/-0.196 χ^2/NDF: 58384.9/44

In: 76.662+/-0.158 χ^2/NDF:44489.8/42

Out: 75.425+/-0.149 χ^2/NDF:52109.5/49

All: 76.010+/-0.108 χ^2/NDF: 96631.7/92

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.047+/-0.013 χ^2/NDF: 1593.8/19

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.094+/-0.012 χ^2/NDF: 1880.9/24

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

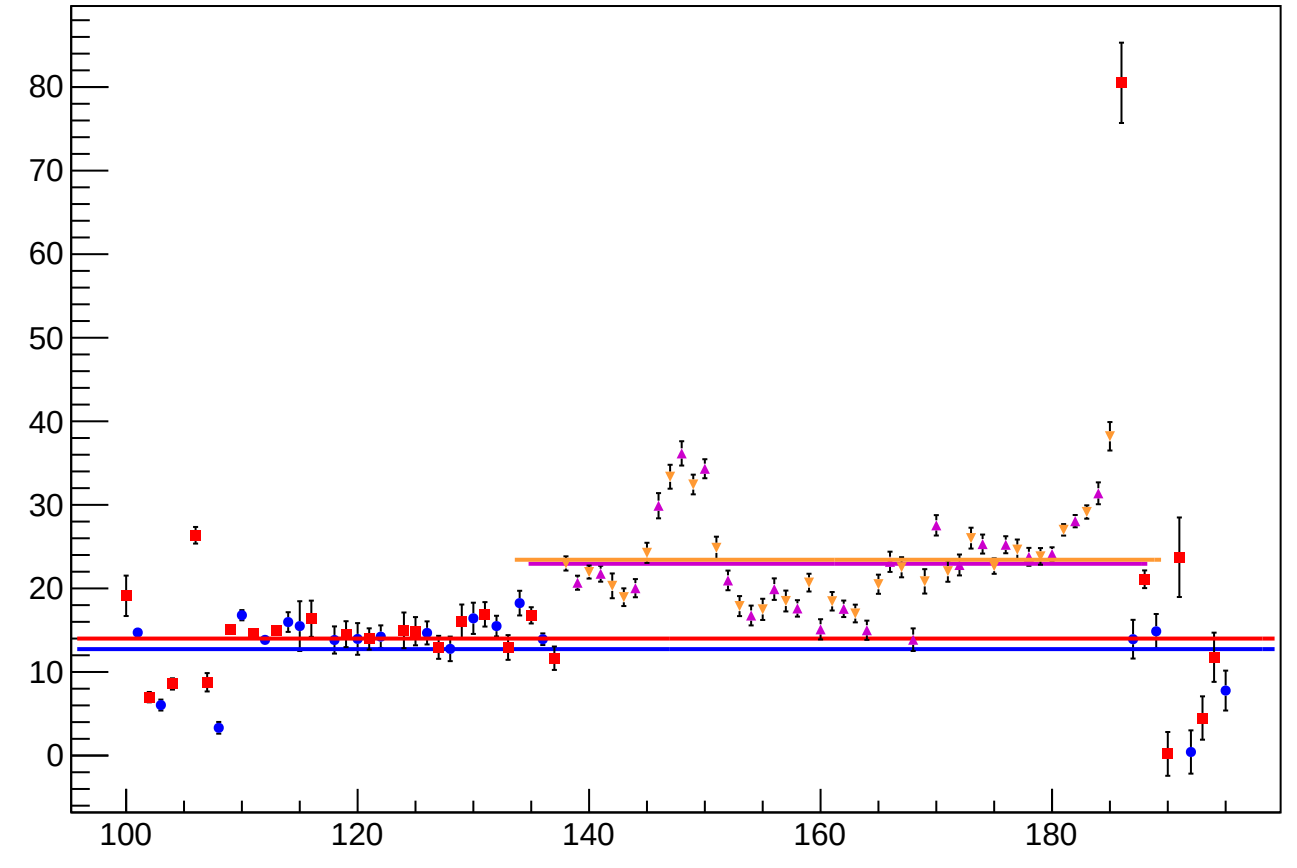
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.072+/-0.009 χ^2/NDF: 3482.2/44

In: -0.240+/-0.007 χ^2/NDF:4364.8/42

Out: -0.282+/-0.007 χ^2/NDF:4030.4/49

All: -0.262+/-0.005 χ^2/NDF: 8415.0/92



Right In: 12.736+/-0.210 χ^2/NDF: 416.4/19

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.998+/-0.198 χ^2/NDF: 687.8/24

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

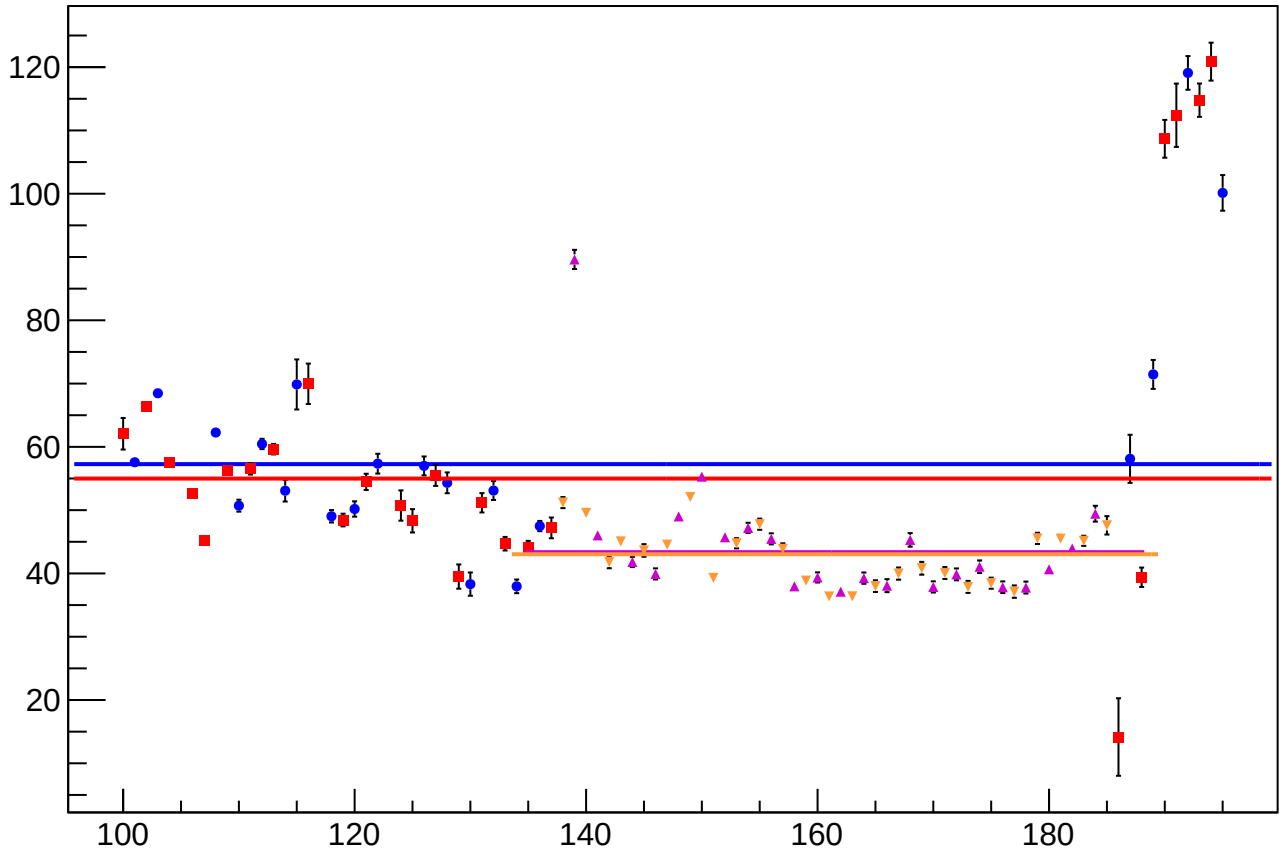
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.404+/-0.144 χ^2/NDF: 1123.2/44

In: 17.494+/-0.154 χ^2/NDF:2078.4/42

Out: 18.319+/-0.146 χ^2/NDF:2150.5/49

All: 17.928+/-0.106 χ^2/NDF: 4244.1/92



Right In: 57.270+/-0.219 χ^2/NDF: 1911.6/19

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 54.990+/-0.220 χ^2/NDF: 2622.2/24

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

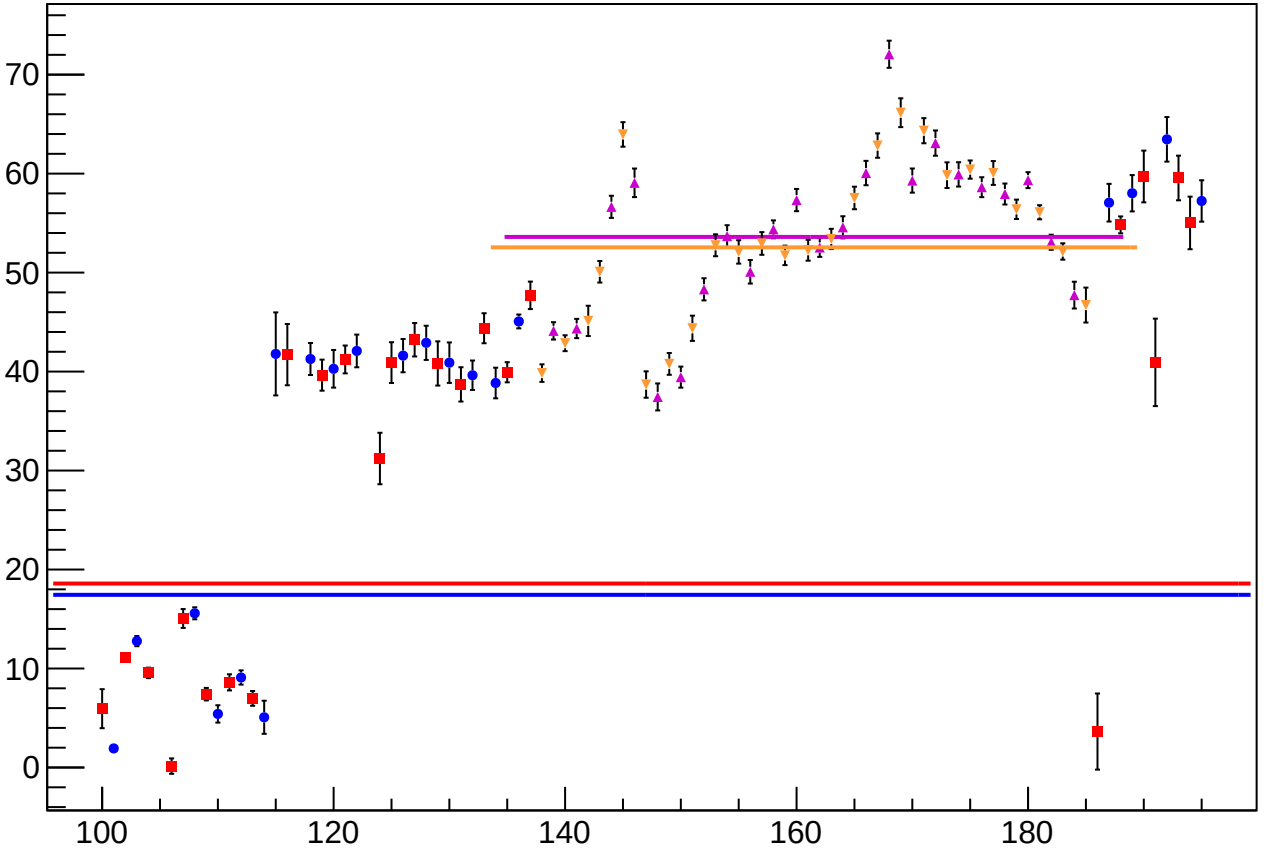
Right: 56.134+/-0.155 χ^2/NDF: 4587.9/44

In: 48.859+/-0.138 χ^2/NDF:6034.1/42

Out: 47.416+/-0.133 χ^2/NDF:5277.9/49

All: 48.113+/-0.096 χ^2/NDF: 11368.8/92

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.445+/-0.209 χ^2/NDF: 6954.9/19

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 18.585+/-0.209 χ^2/NDF: 6706.3/24

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

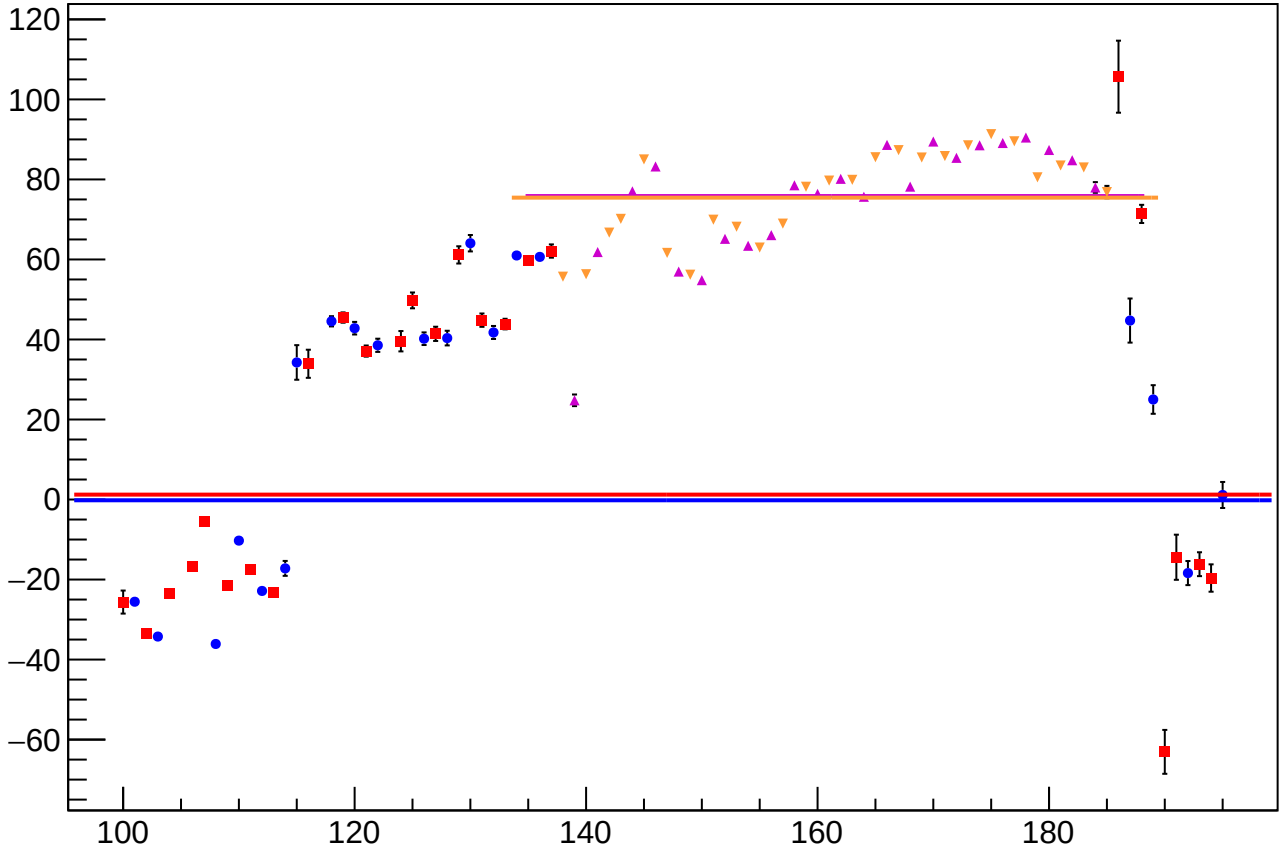
Right: 18.015+/-0.148 χ^2/NDF: 13676.0/44

In: 34.385+/-0.153 χ^2/NDF:21959.0/42

Out: 35.155+/-0.150 χ^2/NDF:20723.3/49

All: 34.777+/-0.107 χ^2/NDF: 42695.3/92

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.189+/-0.259 χ^2/NDF: 21183.7/19

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.225+/-0.259 χ^2/NDF: 17338.5/24

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

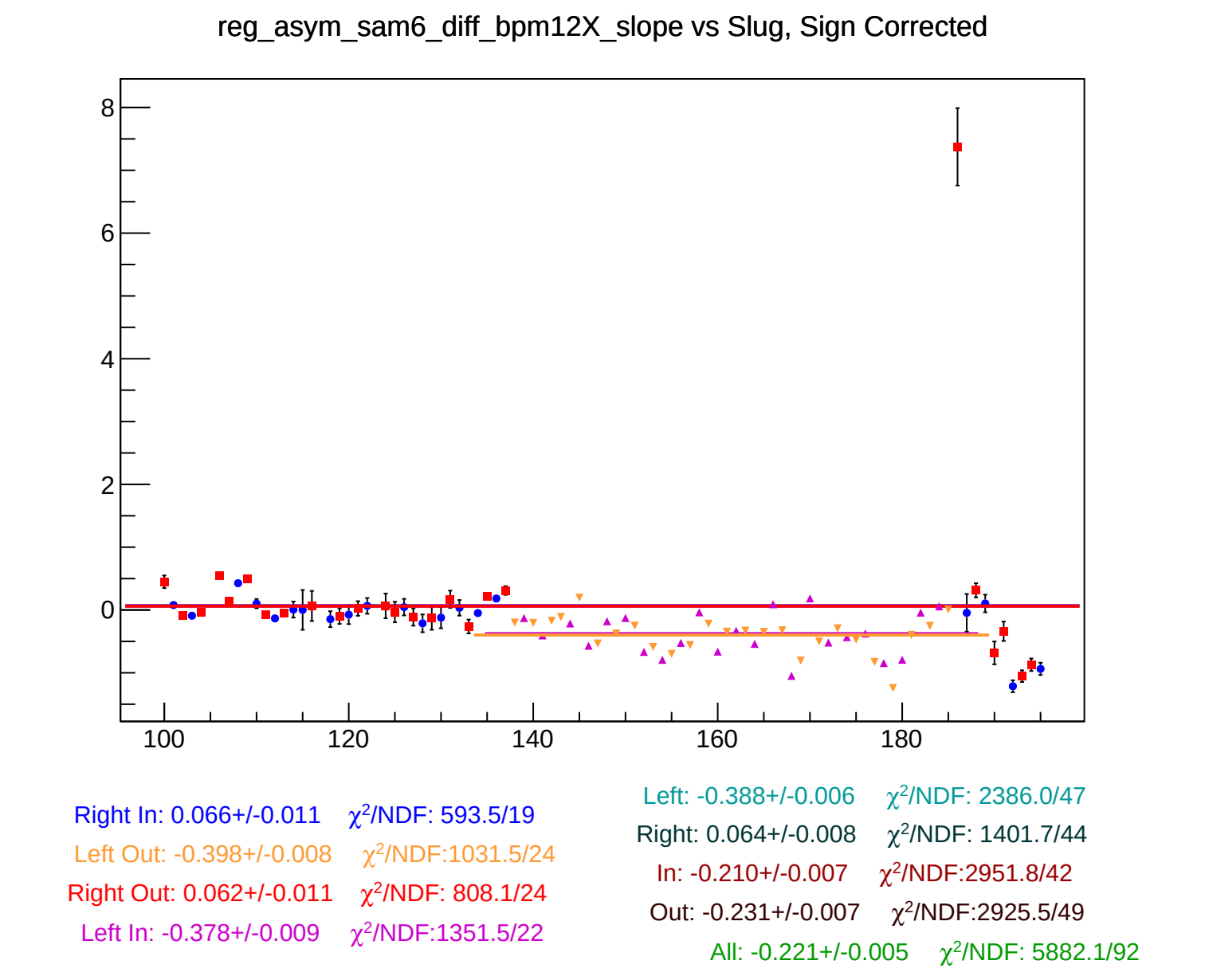
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

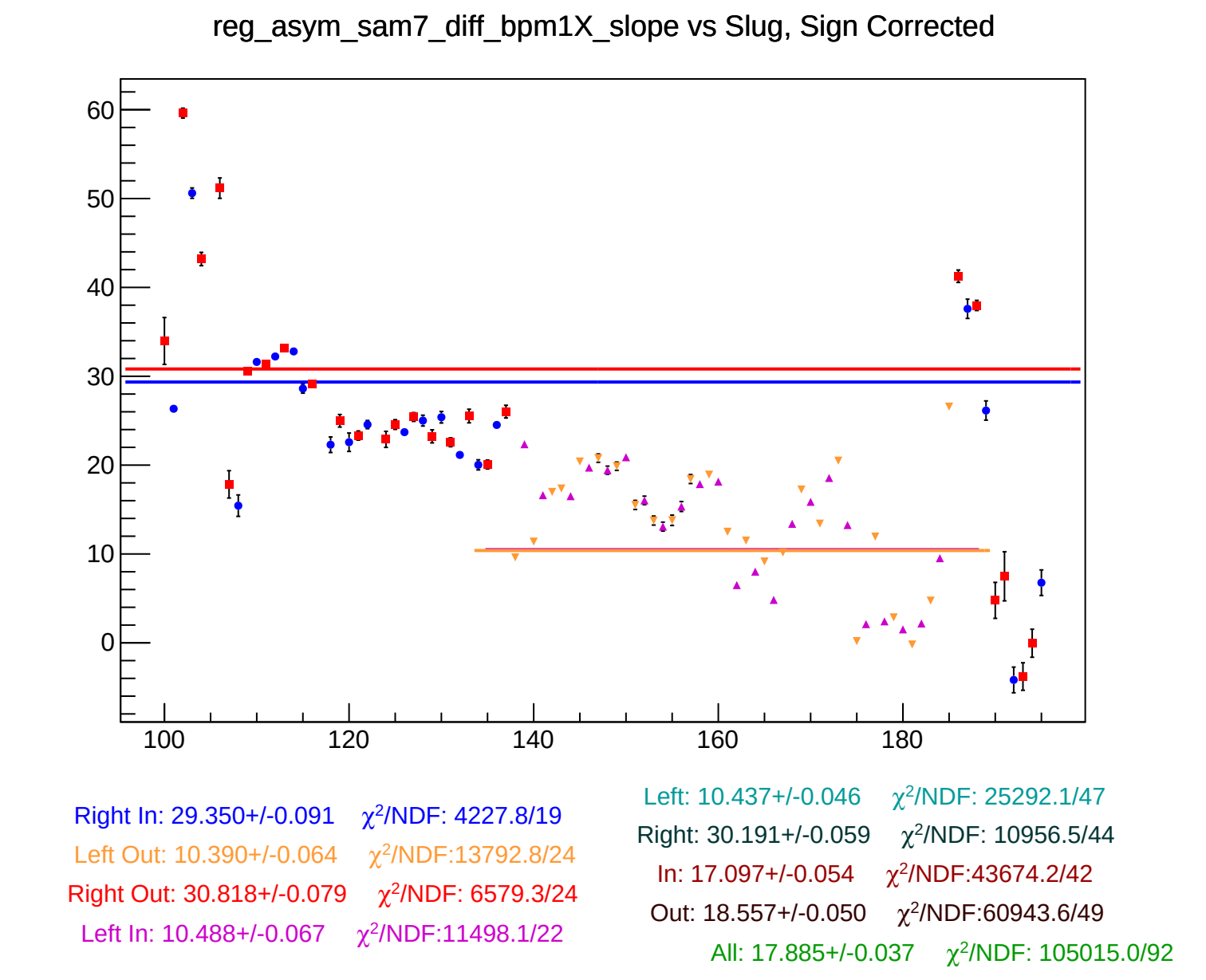
Right: 0.516+/-0.183 χ^2/NDF: 38537.1/44

In: 47.880+/-0.157 χ^2/NDF:80092.4/42

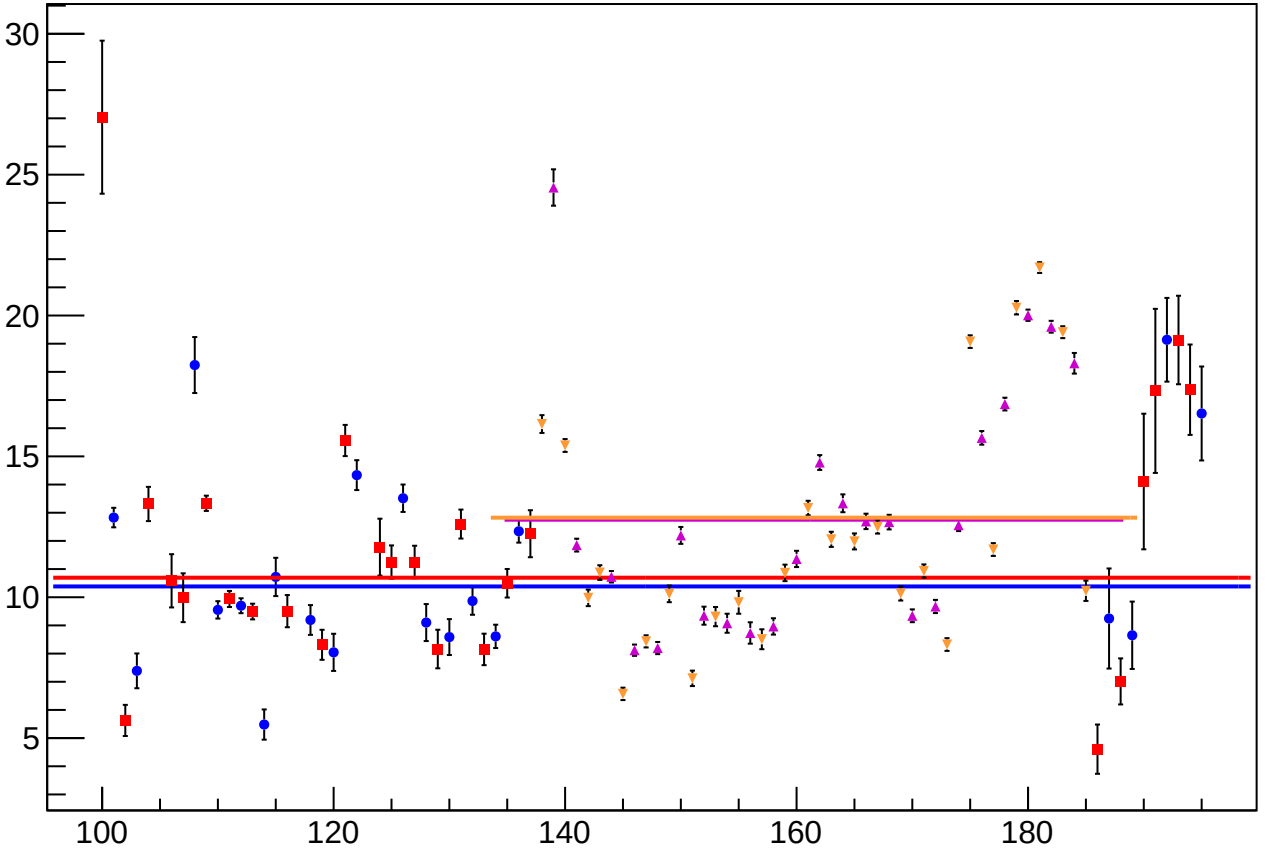
Out: 49.829+/-0.152 χ^2/NDF:74412.9/49

All: 48.882+/-0.109 χ^2/NDF: 154584.8/92


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
100
120
140
160
180
Right In: 0.066+/-0.011 χ²/NDF: 593.5/19
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: 0.062+/-0.011 χ²/NDF: 808.1/24
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: 0.064+/-0.008 χ²/NDF: 1401.7/44
In: -0.210+/-0.007 χ²/NDF:2951.8/42
Out: -0.231+/-0.007 χ²/NDF:2925.5/49
All: -0.221+/-0.005 χ²/NDF: 5882.1/92


reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
100
120
140
160
180
Right In: 29.350+/-0.091 χ²/NDF: 4227.8/19
Left Out: 10.390+/-0.064 χ²/NDF:13792.8/24
Right Out: 30.818+/-0.079 χ²/NDF: 6579.3/24
Left In: 10.488+/-0.067 χ²/NDF:11498.1/22
Left: 10.437+/-0.046 χ²/NDF: 25292.1/47
Right: 30.191+/-0.059 χ²/NDF: 10956.5/44
In: 17.097+/-0.054 χ²/NDF:43674.2/42
Out: 18.557+/-0.050 χ²/NDF:60943.6/49
All: 17.885+/-0.037 χ²/NDF: 105015.0/92

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.383+/-0.113 χ^2/NDF: 453.7/19

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.693+/-0.110 χ^2/NDF: 538.3/24

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

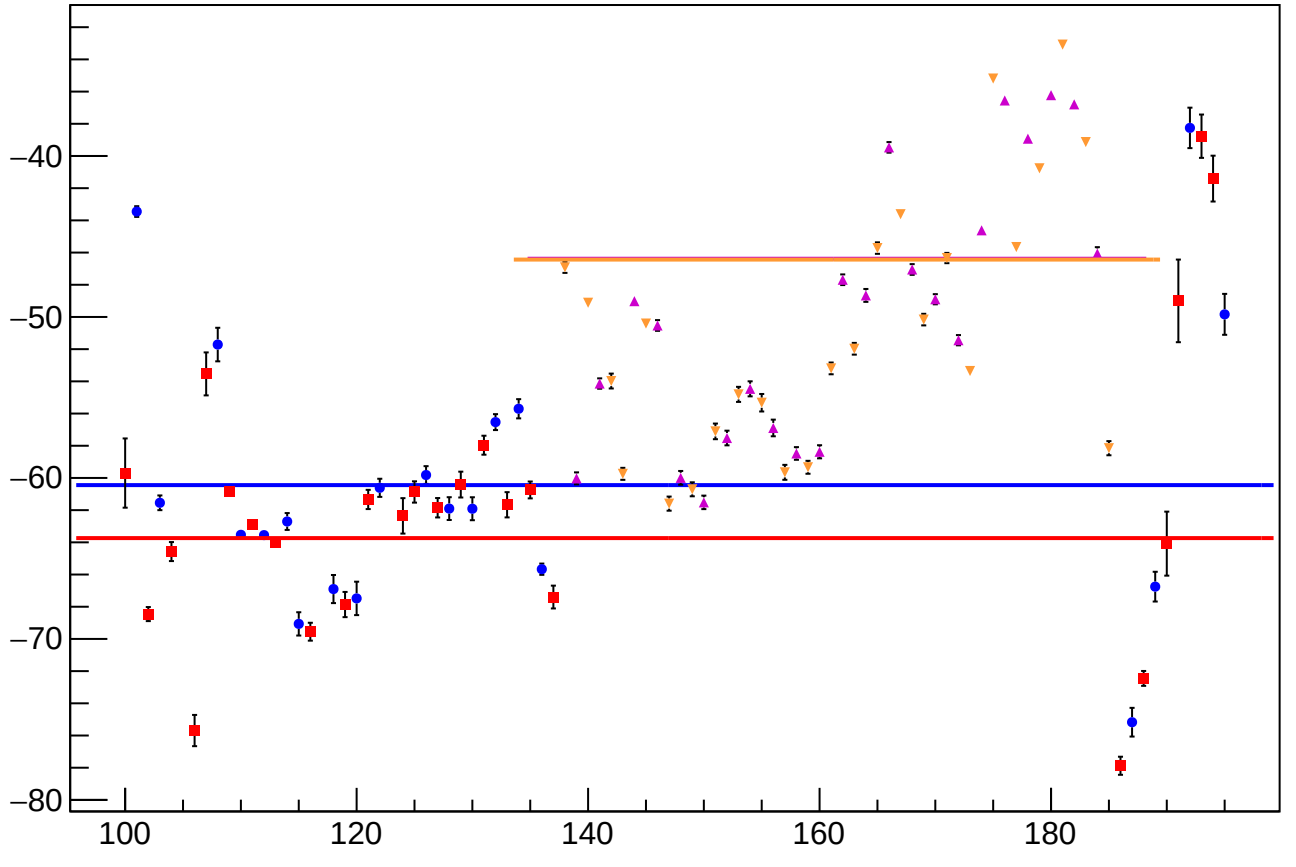
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.542+/-0.079 χ^2/NDF: 995.9/44

In: 12.324+/-0.048 χ^2/NDF:6318.5/42

Out: 12.448+/-0.046 χ^2/NDF:8862.8/49

All: 12.388+/-0.033 χ^2/NDF: 15184.8/92



Right In: -60.445+/-0.110 χ^2/NDF: 4298.9/19

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.736+/-0.102 χ^2/NDF: 2496.8/24

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

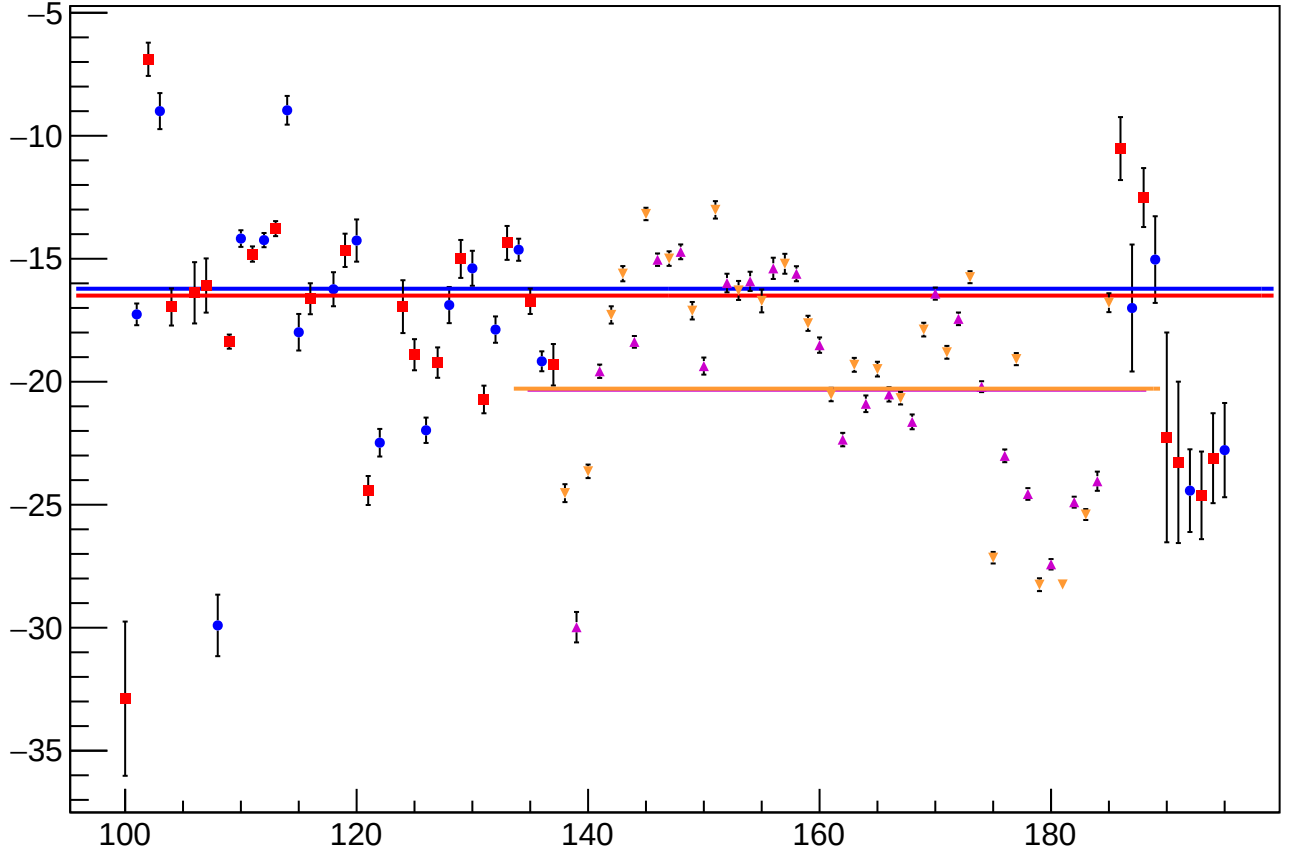
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -62.222+/-0.075 χ^2/NDF: 7275.3/44

In: -50.149+/-0.057 χ^2/NDF:31249.5/42

Out: -51.373+/-0.054 χ^2/NDF:41252.1/49

All: -50.791+/-0.039 χ^2/NDF: 72741.9/92



Right In: -16.219+/-0.126 χ^2/NDF: 833.5/19

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.498+/-0.123 χ^2/NDF: 757.5/24

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

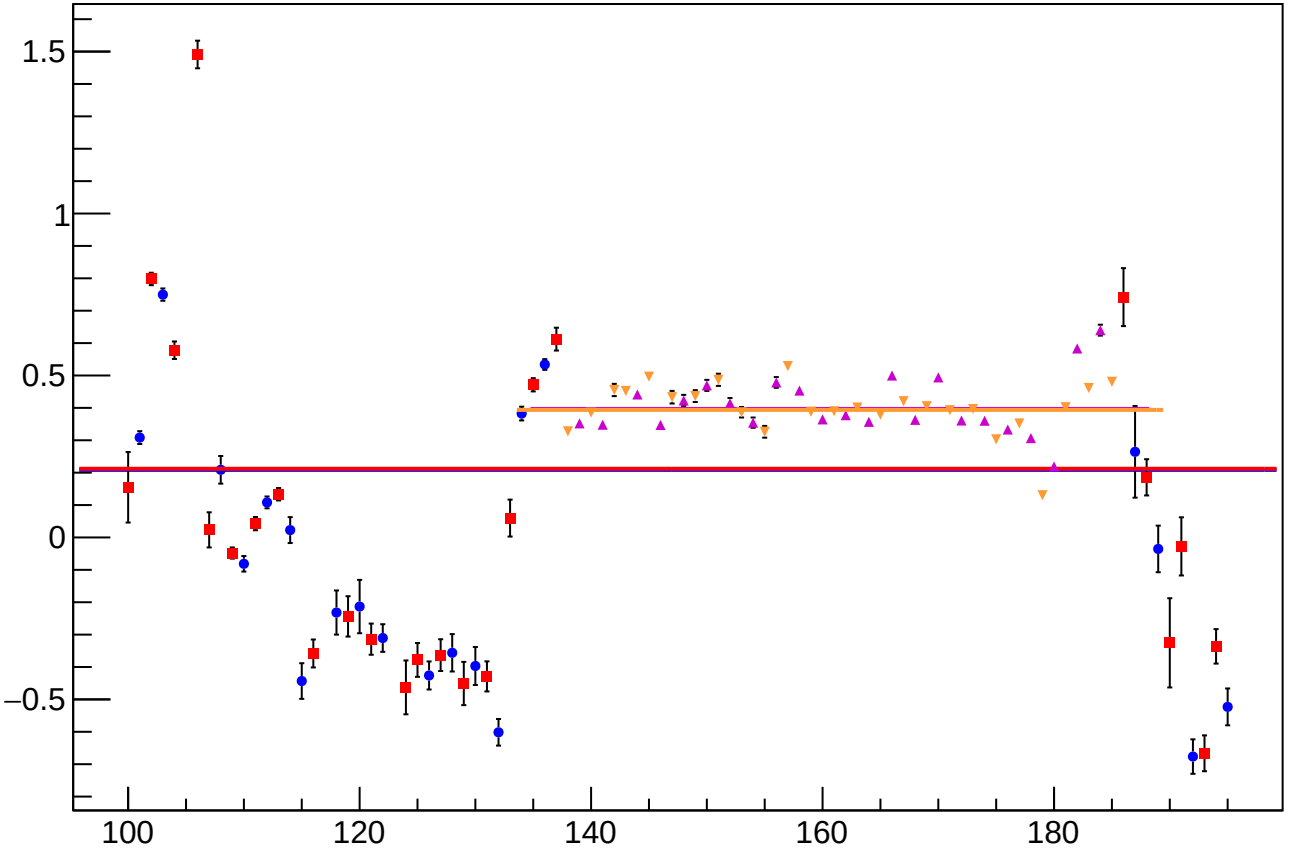
Right: -16.362+/-0.088 χ^2/NDF: 1593.5/44

In: -19.585+/-0.053 χ^2/NDF:5976.0/42

Out: -19.608+/-0.052 χ^2/NDF:8559.0/49

All: -19.597+/-0.037 χ^2/NDF: 14535.1/92

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.209+/-0.007 χ^2/NDF: 3103.6/19

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.212+/-0.007 χ^2/NDF: 4022.3/24

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

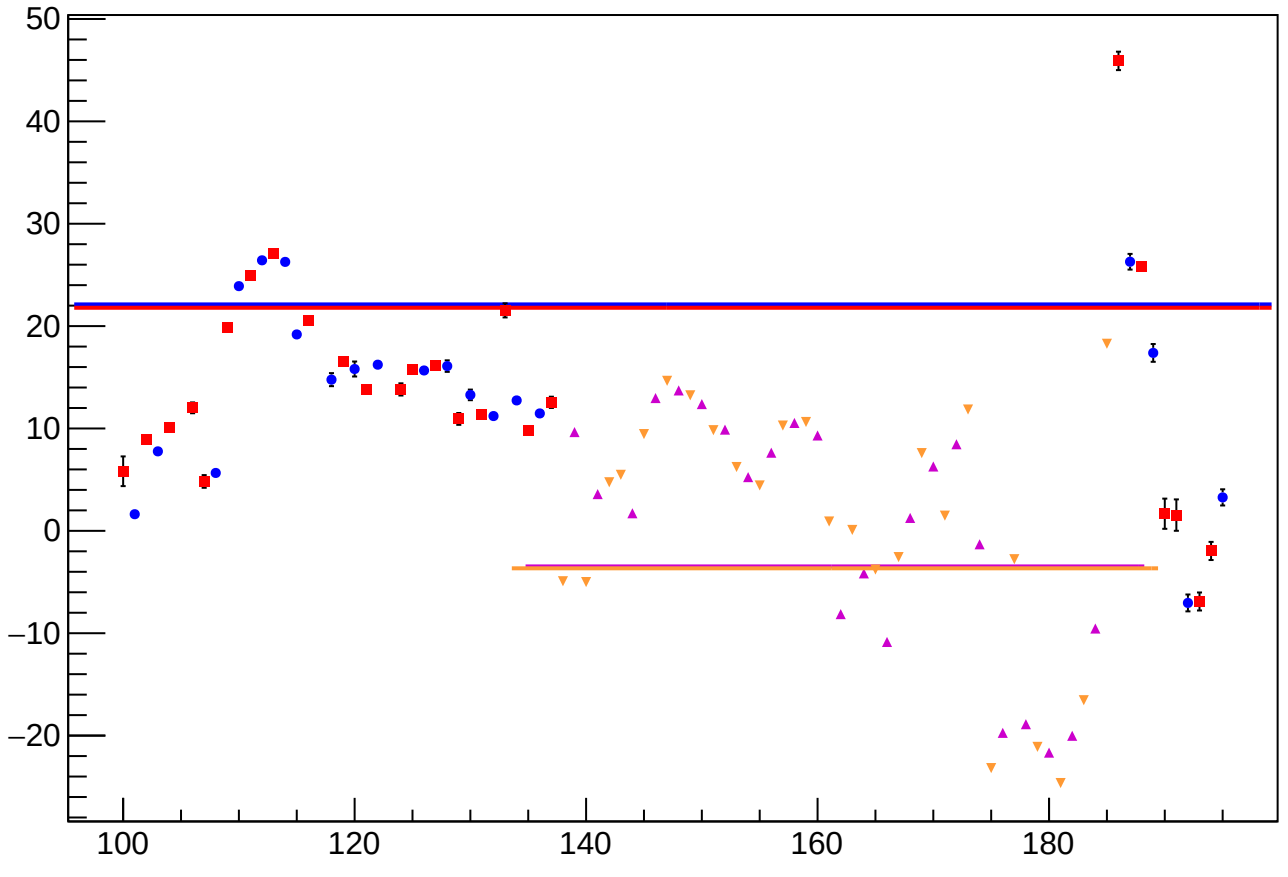
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.210+/-0.005 χ^2/NDF: 7126.1/44

In: 0.373+/-0.002 χ^2/NDF:5046.3/42

Out: 0.372+/-0.002 χ^2/NDF:5583.8/49

All: 0.372+/-0.002 χ^2/NDF: 10630.2/92



Right In: 22.119+/-0.056 χ^2/NDF: 14234.4/19

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.792+/-0.046 χ^2/NDF: 13652.0/24

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

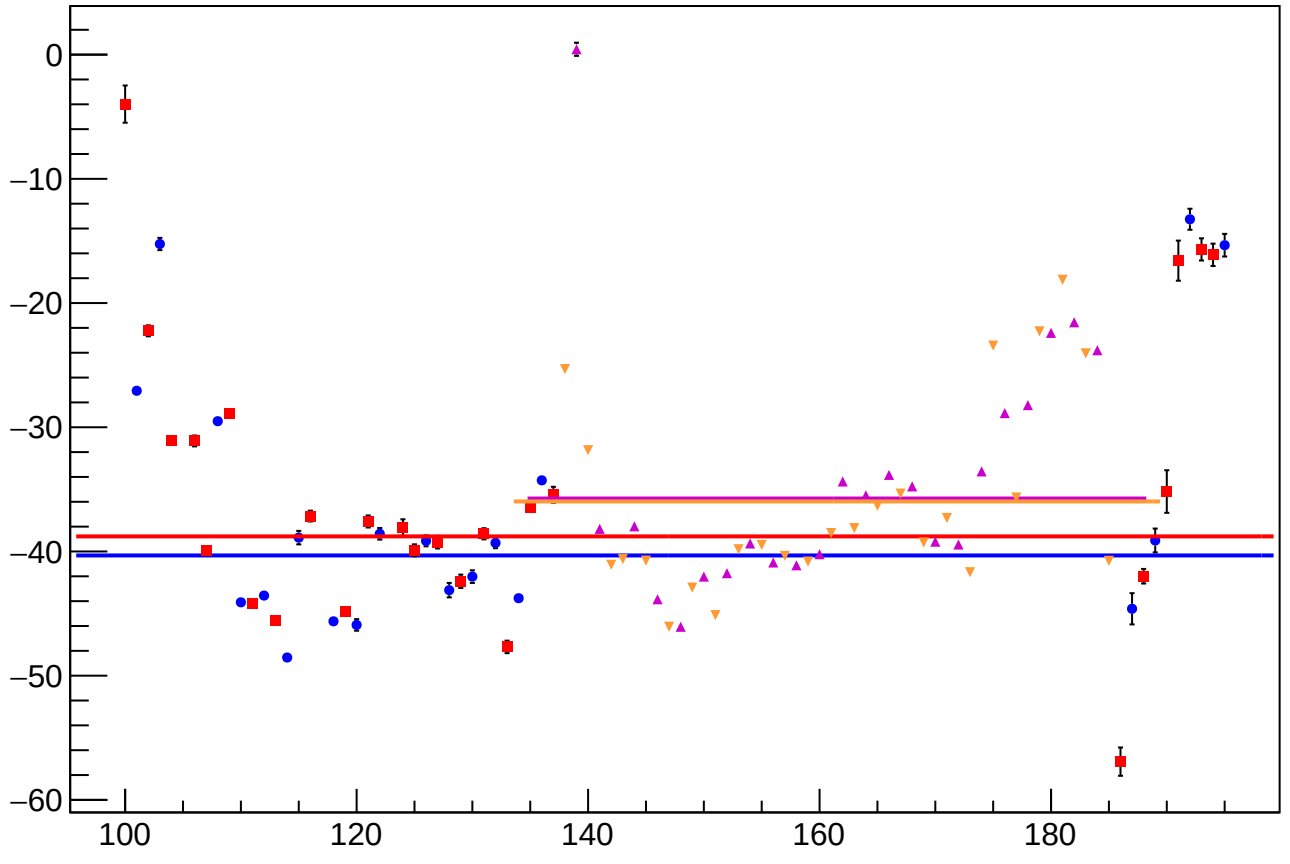
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.923+/-0.035 χ^2/NDF: 27906.8/44

In: 9.638+/-0.040 χ^2/NDF:161155.4/42

Out: 11.274+/-0.035 χ^2/NDF:198186.1/49

All: 10.565+/-0.026 χ^2/NDF: 360284.2/92



Right In: -40.321+/-0.076 χ^2/NDF: 9591.2/19

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.786+/-0.070 χ^2/NDF: 11888.3/24

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

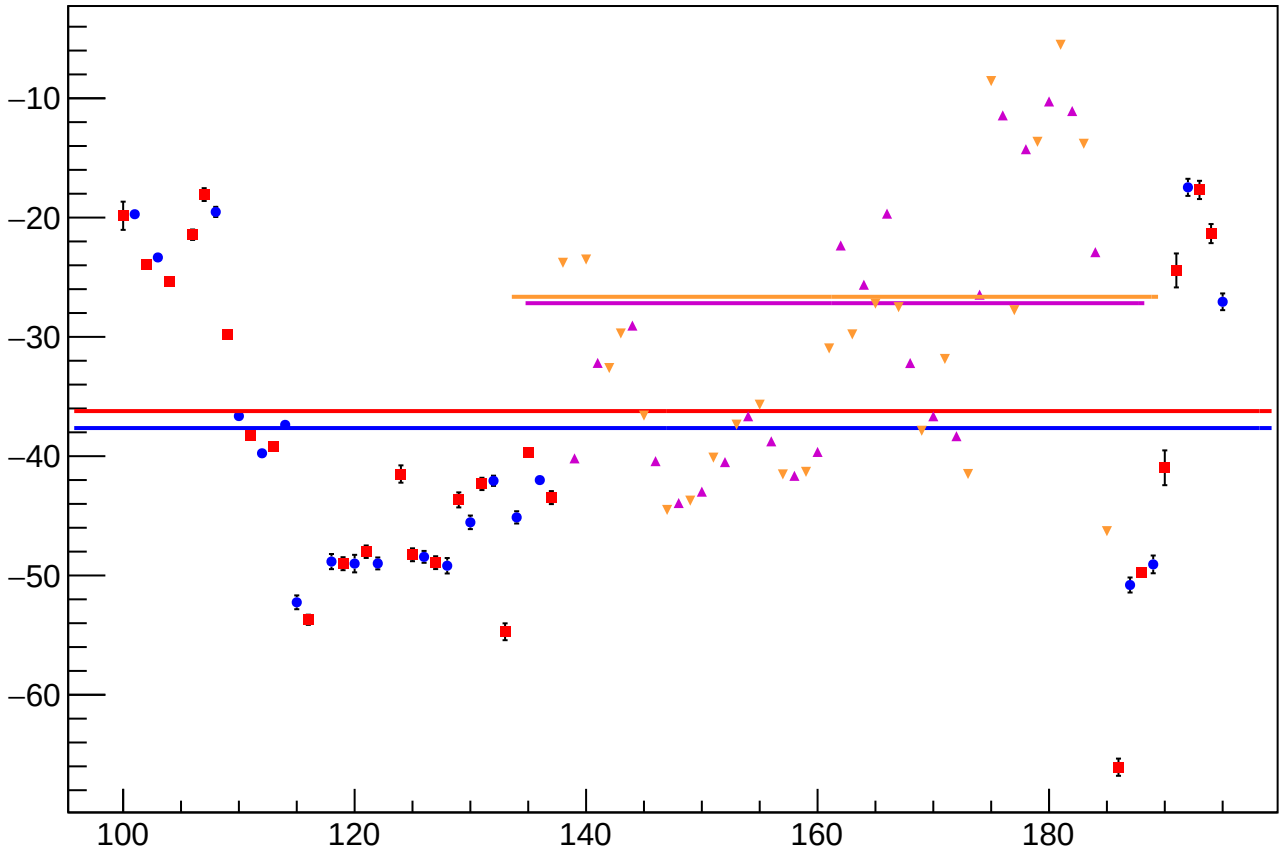
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.493+/-0.051 χ^2/NDF: 21702.0/44

In: -36.935+/-0.039 χ^2/NDF:39465.1/42

Out: -36.731+/-0.036 χ^2/NDF:46683.2/49

All: -36.827+/-0.026 χ^2/NDF: 86163.1/92



Right In: -37.642+/-0.072 χ^2/NDF: 12547.1/19

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.219+/-0.062 χ^2/NDF: 17735.6/24

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

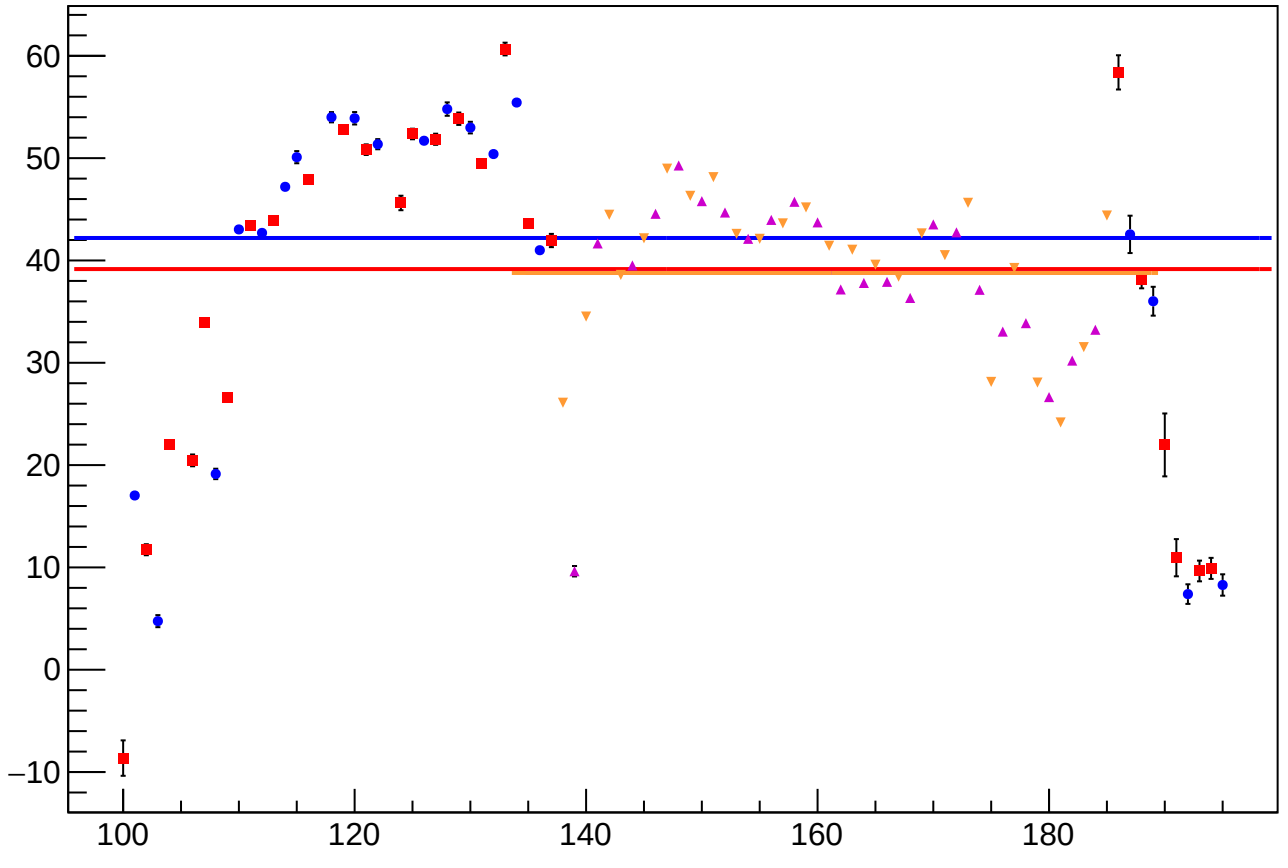
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.828+/-0.047 χ^2/NDF: 30505.3/44

In: -31.219+/-0.045 χ^2/NDF:66457.8/42

Out: -30.793+/-0.041 χ^2/NDF:81145.2/49

All: -30.987+/-0.030 χ^2/NDF: 147651.9/92



Right In: 42.197+/-0.084 χ^2/NDF: 17194.3/19

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.159+/-0.077 χ^2/NDF: 20064.9/24

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

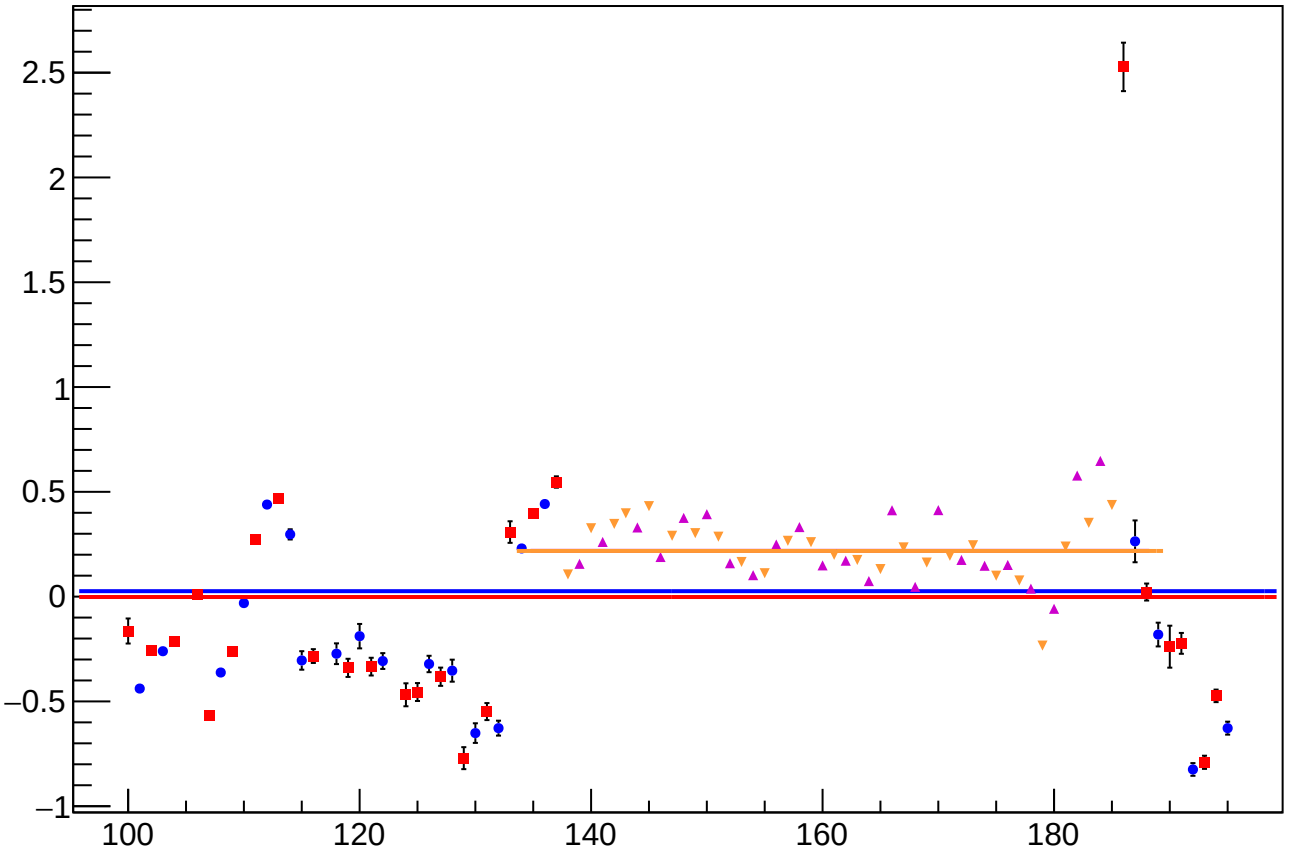
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 40.547+/-0.057 χ^2/NDF: 37966.5/44

In: 39.684+/-0.043 χ^2/NDF:34642.3/42

Out: 38.883+/-0.041 χ^2/NDF:41153.1/49

All: 39.259+/-0.030 χ^2/NDF: 75978.6/92



Right In: 0.026+/-0.005 χ^2/NDF: 6813.0/19

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.002+/-0.004 χ^2/NDF: 7815.5/24

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

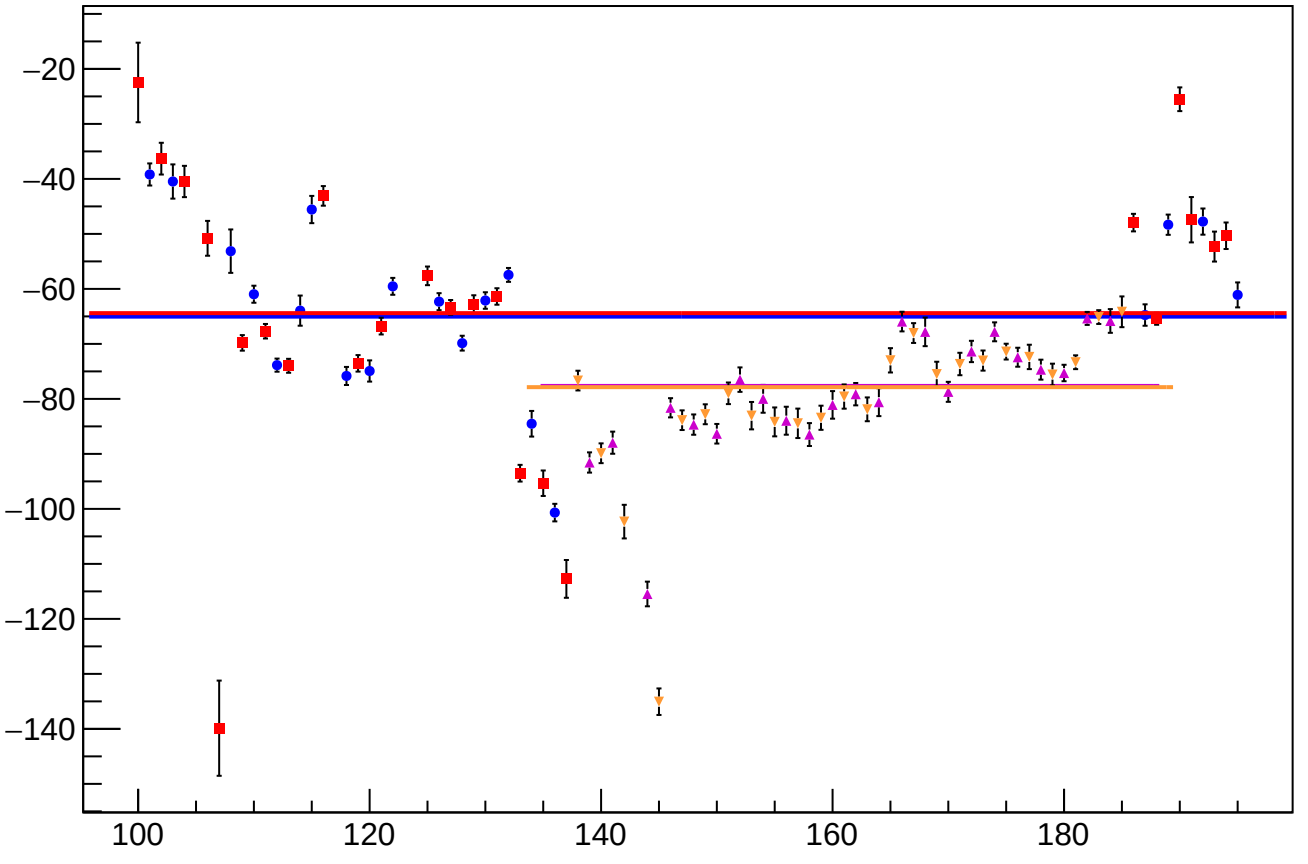
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: 0.011+/-0.003 χ^2/NDF: 14647.8/44

In: 0.183+/-0.002 χ^2/NDF:13490.5/42

Out: 0.173+/-0.002 χ^2/NDF:14017.6/49

All: 0.178+/-0.001 χ^2/NDF: 27520.5/92



Right In: -65.043+/-0.394 χ^2/NDF: 1205.0/19

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -64.407+/-0.365 χ^2/NDF: 1822.3/23

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

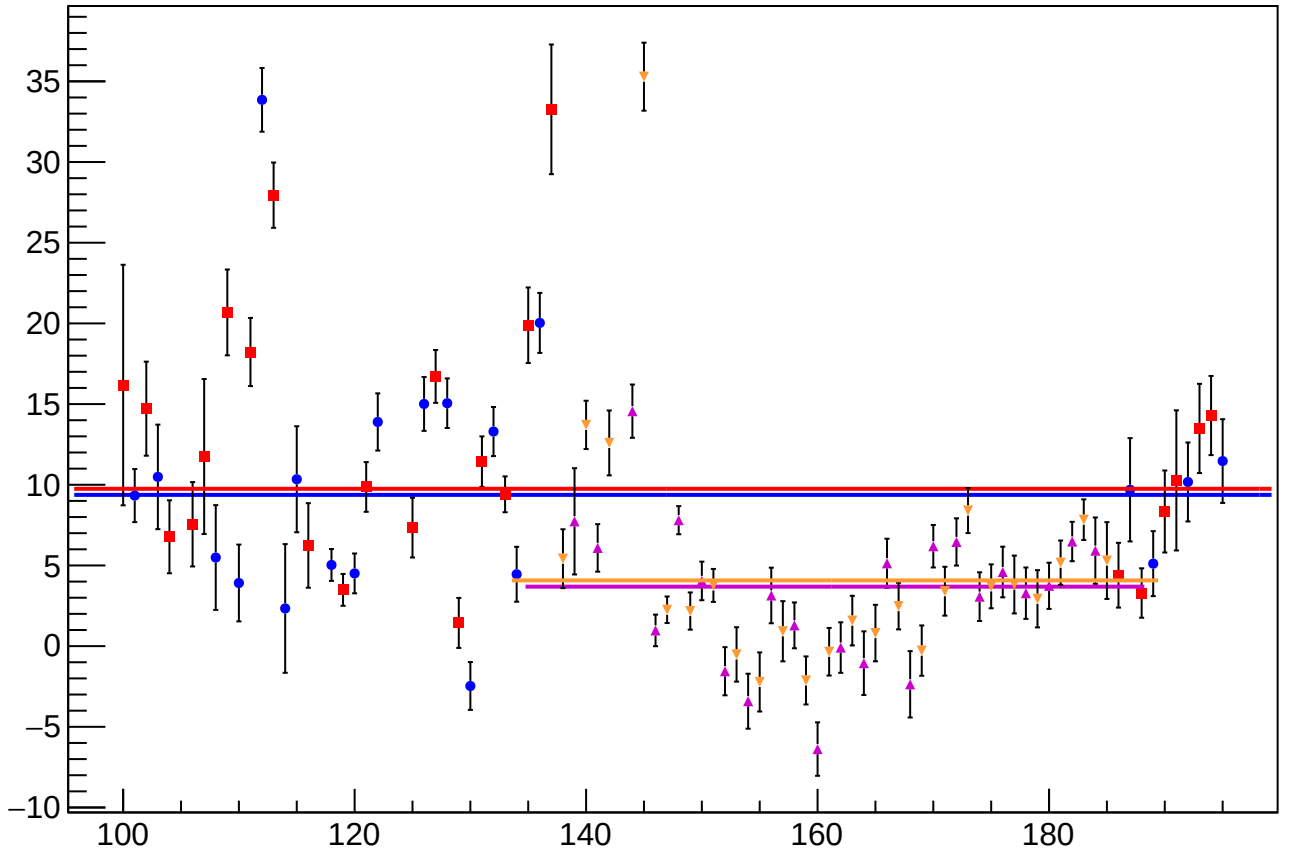
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -64.701+/-0.268 χ^2/NDF: 3028.8/43

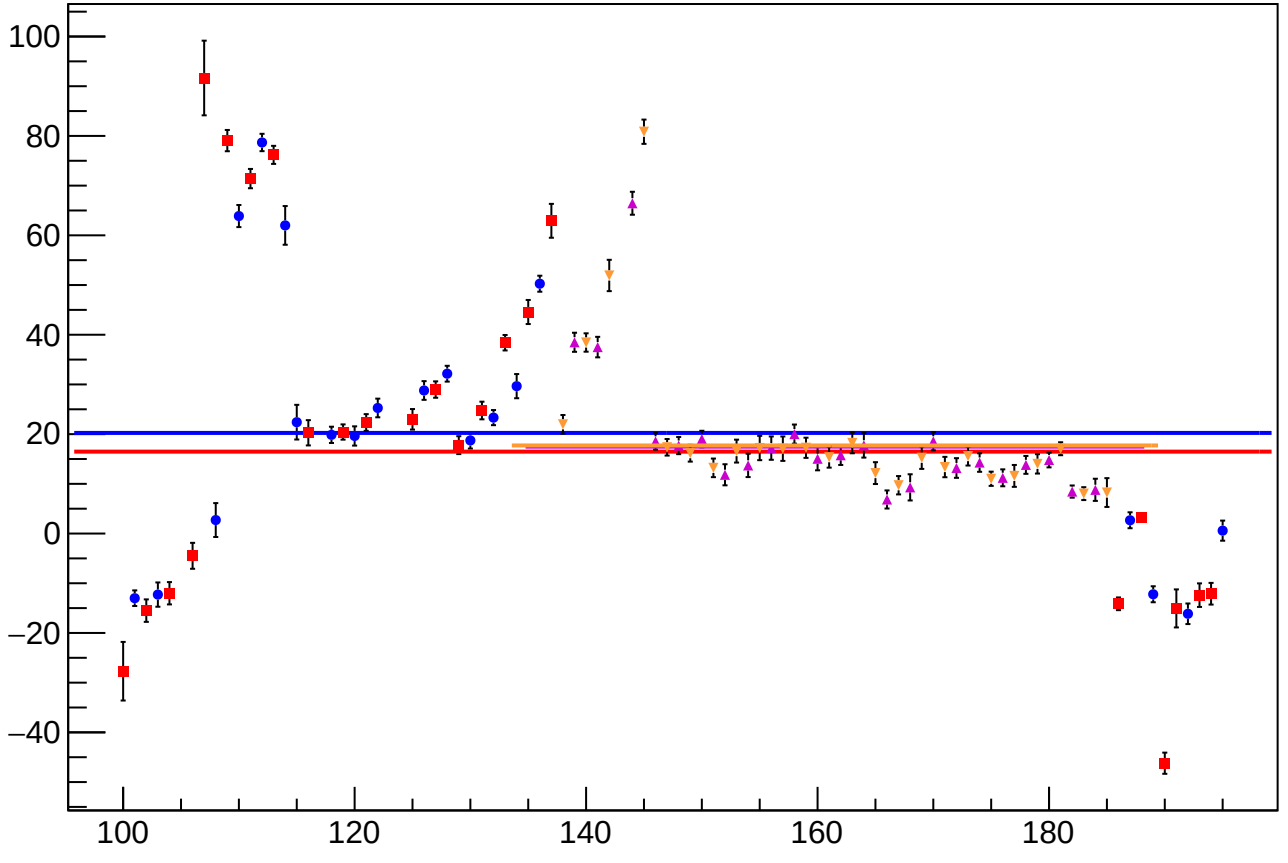
In: -71.307+/-0.280 χ^2/NDF:2406.3/42

Out: -70.626+/-0.268 χ^2/NDF:3382.2/47

All: -70.952+/-0.193 χ^2/NDF: 5791.6/90


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
Right In: 9.374+/-0.404 χ²/NDF: 347.3/19
Left Out: 4.073+/-0.297 χ²/NDF:370.6/23
Right Out: 9.750+/-0.394 χ²/NDF: 295.6/23
Left In: 3.686+/-0.302 χ²/NDF:182.6/22
Left: 3.883+/-0.212 χ²/NDF: 554.0/46
Right: 9.567+/-0.282 χ²/NDF: 643.3/43
In: 5.720+/-0.242 χ²/NDF:657.0/42
Out: 6.129+/-0.237 χ²/NDF:798.7/47
All: 5.929+/-0.169 χ²/NDF: 1457.2/90

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 20.246+/-0.424 χ^2/NDF: 3654.7/19

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 16.482+/-0.384 χ^2/NDF: 5997.7/23

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

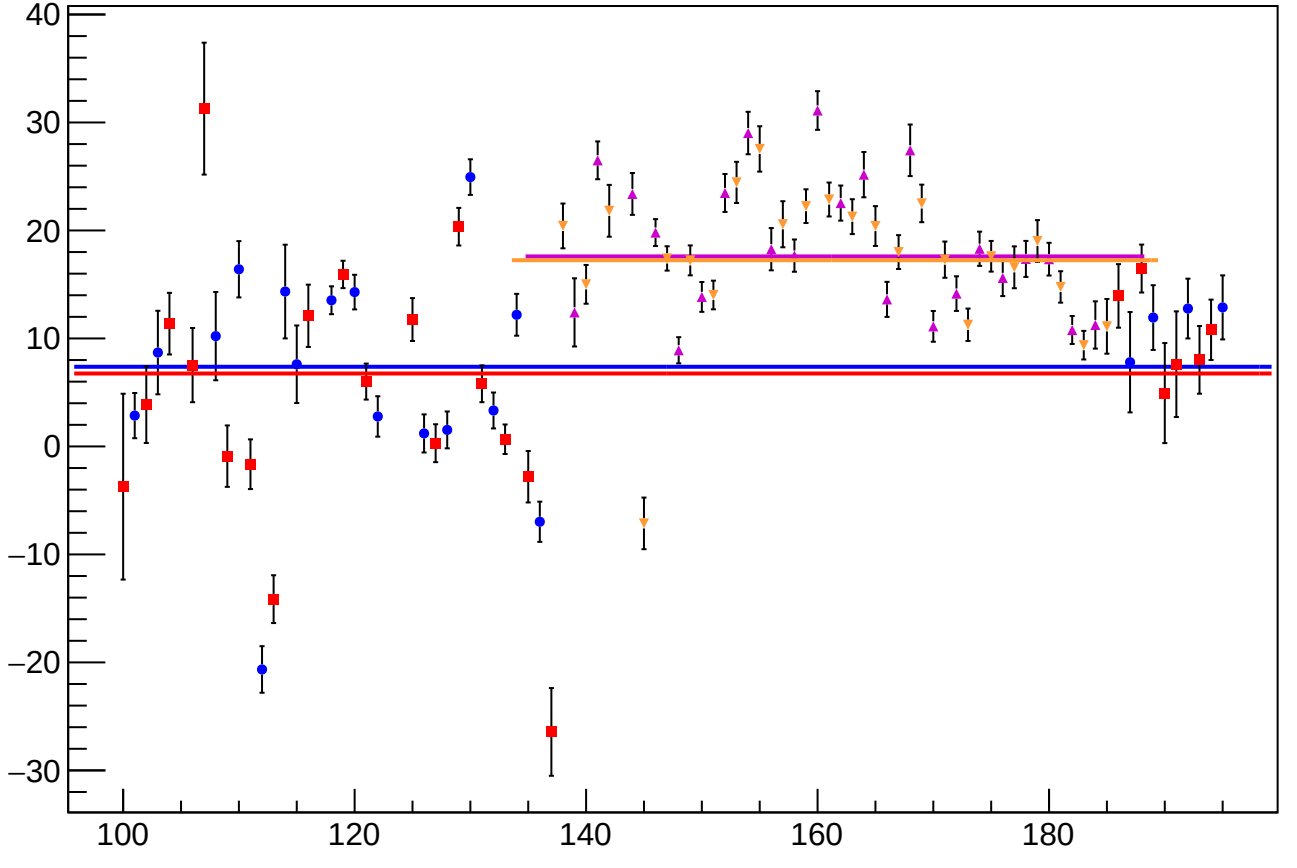
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 18.177+/-0.285 χ^2/NDF: 9695.7/43

In: 18.762+/-0.288 χ^2/NDF:4498.1/42

Out: 17.092+/-0.274 χ^2/NDF:7061.1/47

All: 17.885+/-0.199 χ^2/NDF: 11576.9/90



Right In: 7.377+/-0.473 χ^2/NDF: 454.7/19

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.753+/-0.466 χ^2/NDF: 398.2/23

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

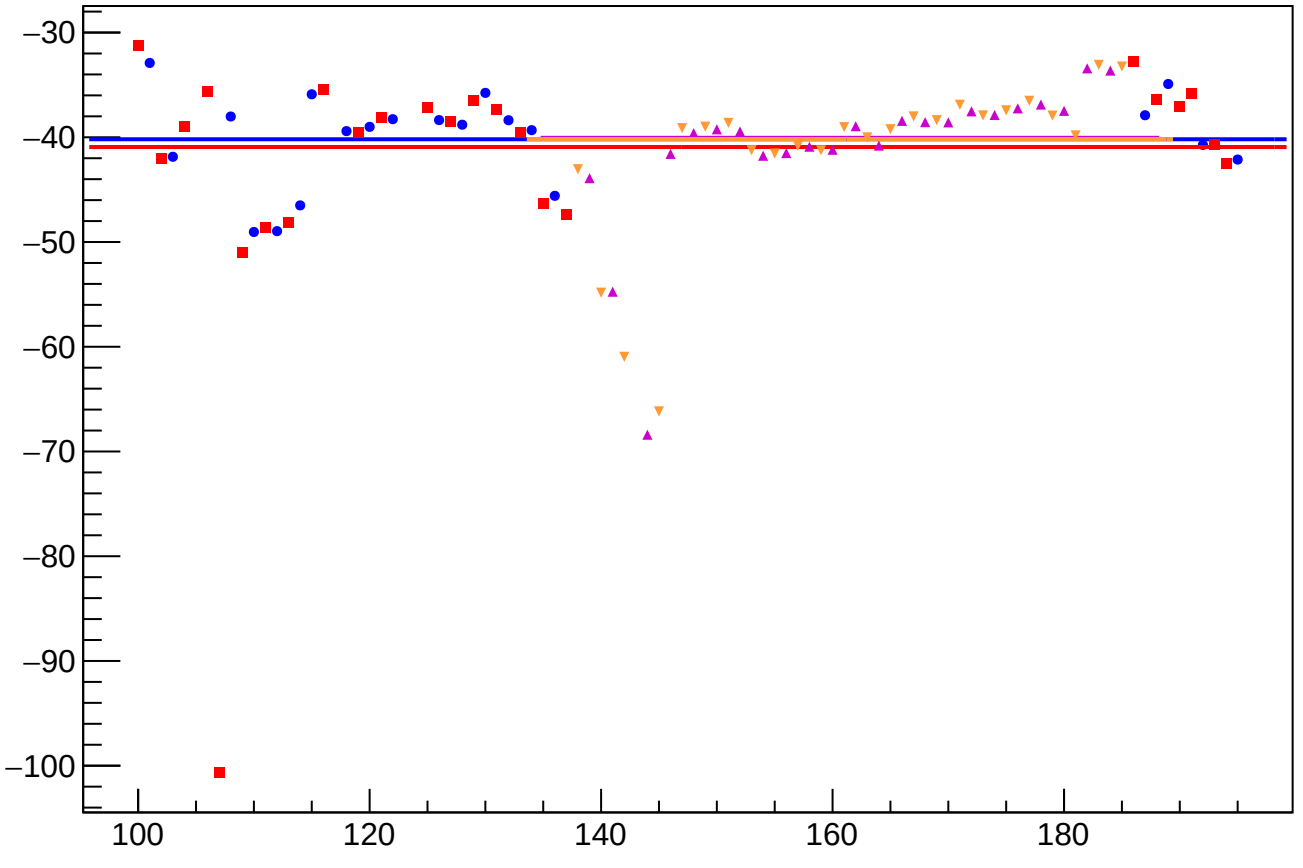
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 7.060+/-0.332 χ^2/NDF: 853.8/43

In: 14.083+/-0.277 χ^2/NDF:1071.0/42

Out: 13.624+/-0.274 χ^2/NDF:991.3/47

All: 13.851+/-0.195 χ^2/NDF: 2063.7/90



Right In: -40.189+/-0.027 χ^2/NDF: 23361.2/19

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.929+/-0.026 χ^2/NDF: 65833.1/23

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

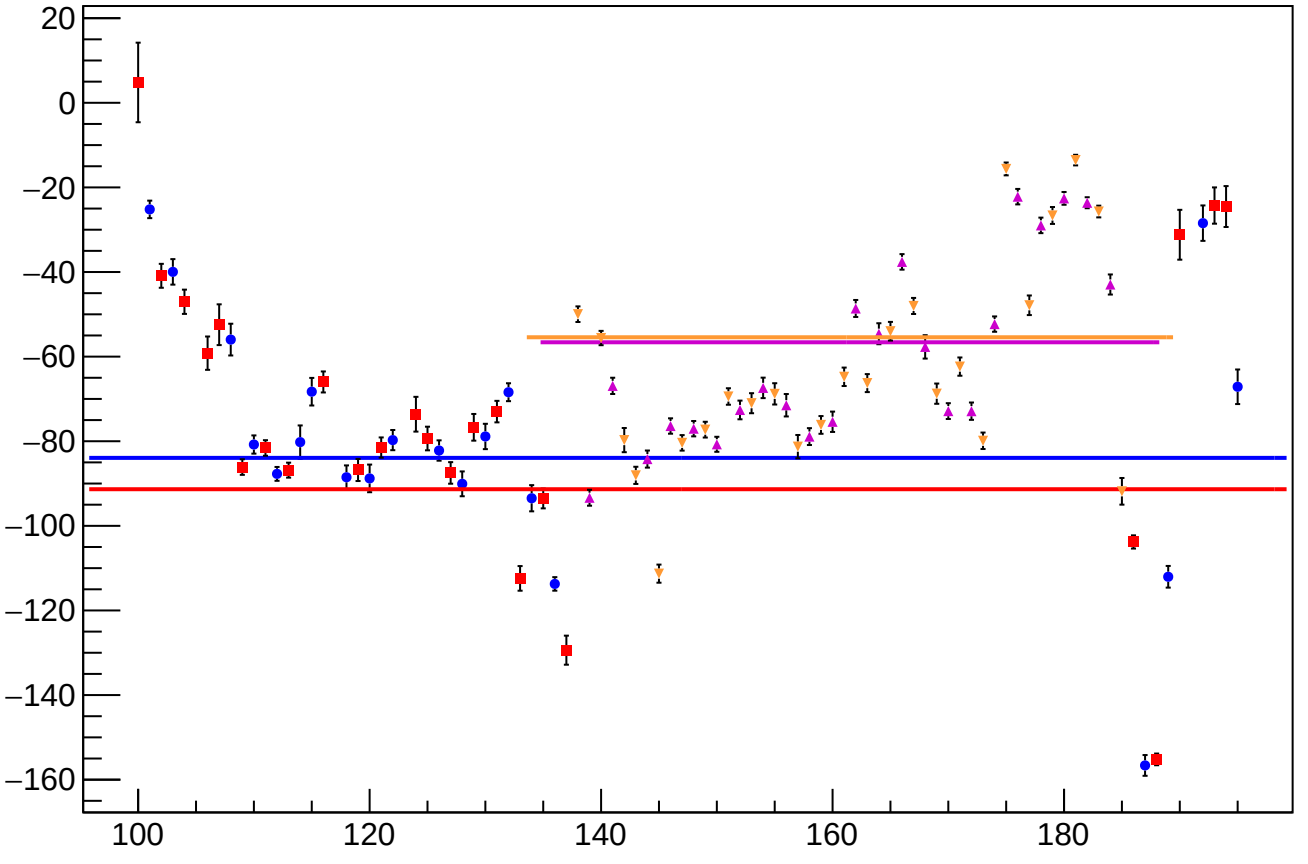
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

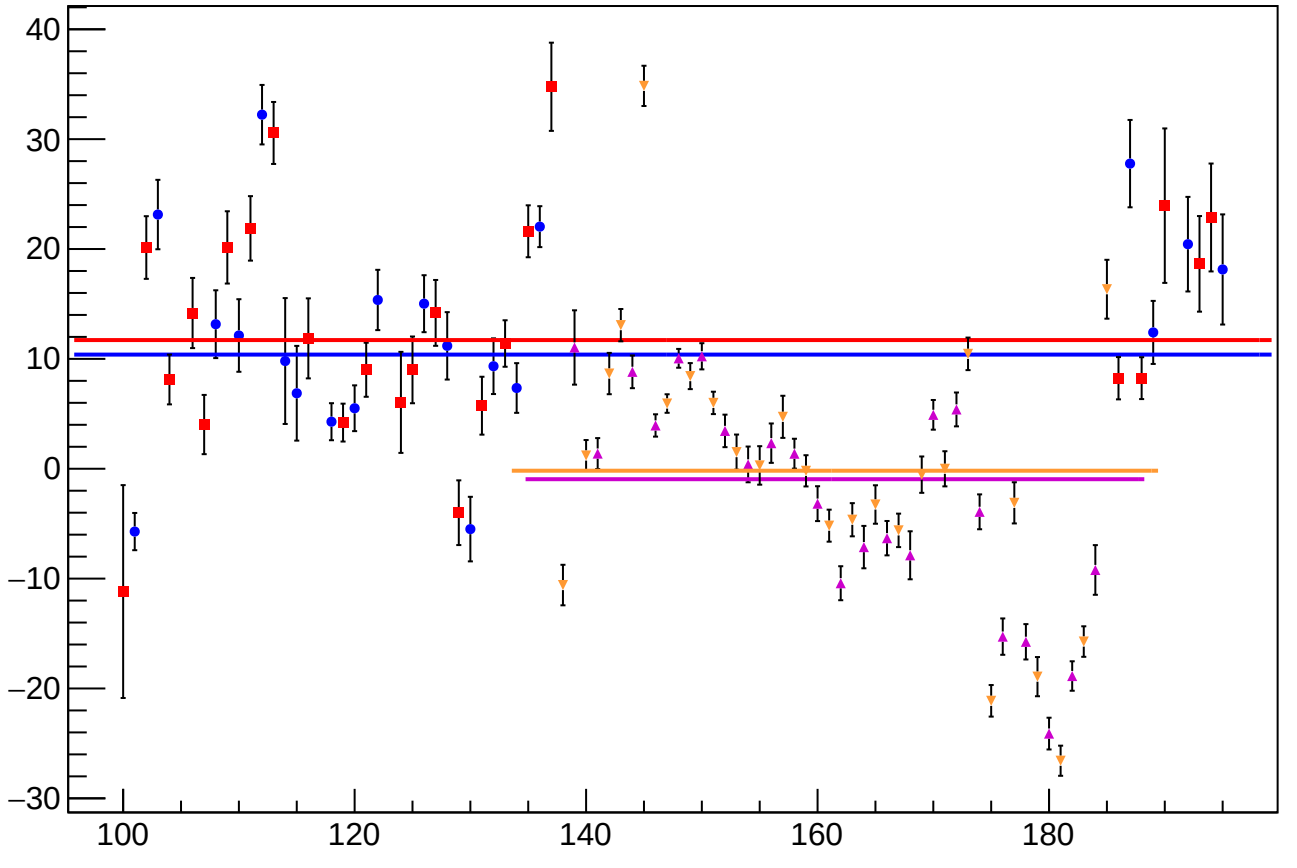
Right: -40.571+/-0.019 χ^2/NDF: 89580.0/43

In: -40.084+/-0.013 χ^2/NDF:159819.7/42

Out: -40.361+/-0.013 χ^2/NDF:229800.4/47

All: -40.223+/-0.009 χ^2/NDF: 389836.5/90


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
120
140
160
180
Right In: -83.933+/-0.567 χ²/NDF: 2722.4/19
Left Out: -55.424+/-0.393 χ²/NDF:4525.3/24
Right Out: -91.343+/-0.513 χ²/NDF: 3986.3/23
Left In: -56.609+/-0.404 χ²/NDF:3350.3/22
Left: -56.001+/-0.282 χ²/NDF: 7880.0/47
Right: -88.006+/-0.380 χ²/NDF: 6802.8/43
In: -65.808+/-0.329 χ²/NDF:7614.6/42
Out: -68.721+/-0.312 χ²/NDF:11599.5/48
All: -67.340+/-0.226 χ²/NDF: 19255.4/91



Right In: 10.390+/-0.590 χ^2/NDF: 296.4/19

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.712+/-0.566 χ^2/NDF: 213.4/23

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

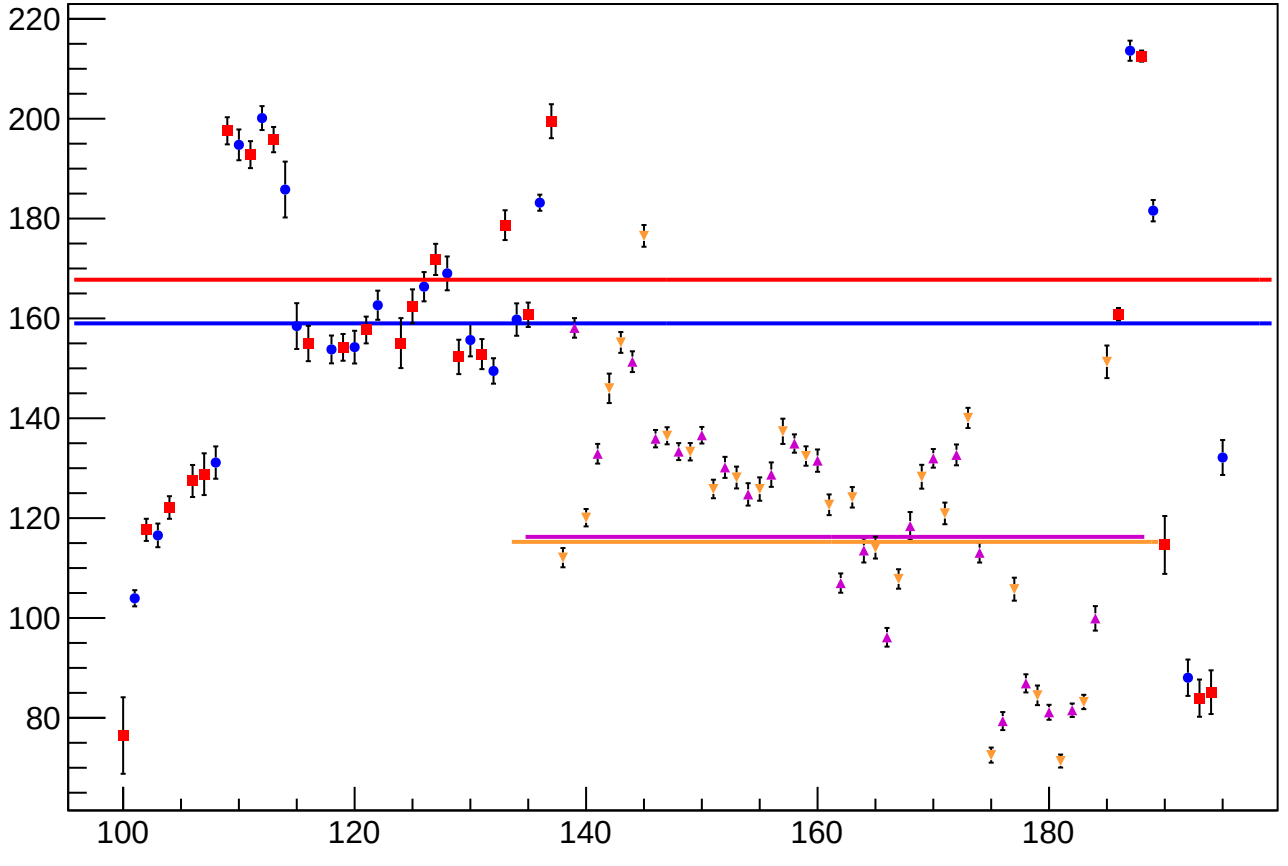
Right: 11.079+/-0.408 χ^2/NDF: 512.4/43

In: 1.426+/-0.270 χ^2/NDF:1657.7/42

Out: 2.352+/-0.261 χ^2/NDF:2159.9/48

All: 1.905+/-0.188 χ^2/NDF: 3823.7/91

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 159.005+/-0.587 χ^2/NDF: 3550.3/19

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 167.750+/-0.516 χ^2/NDF: 4454.7/23

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

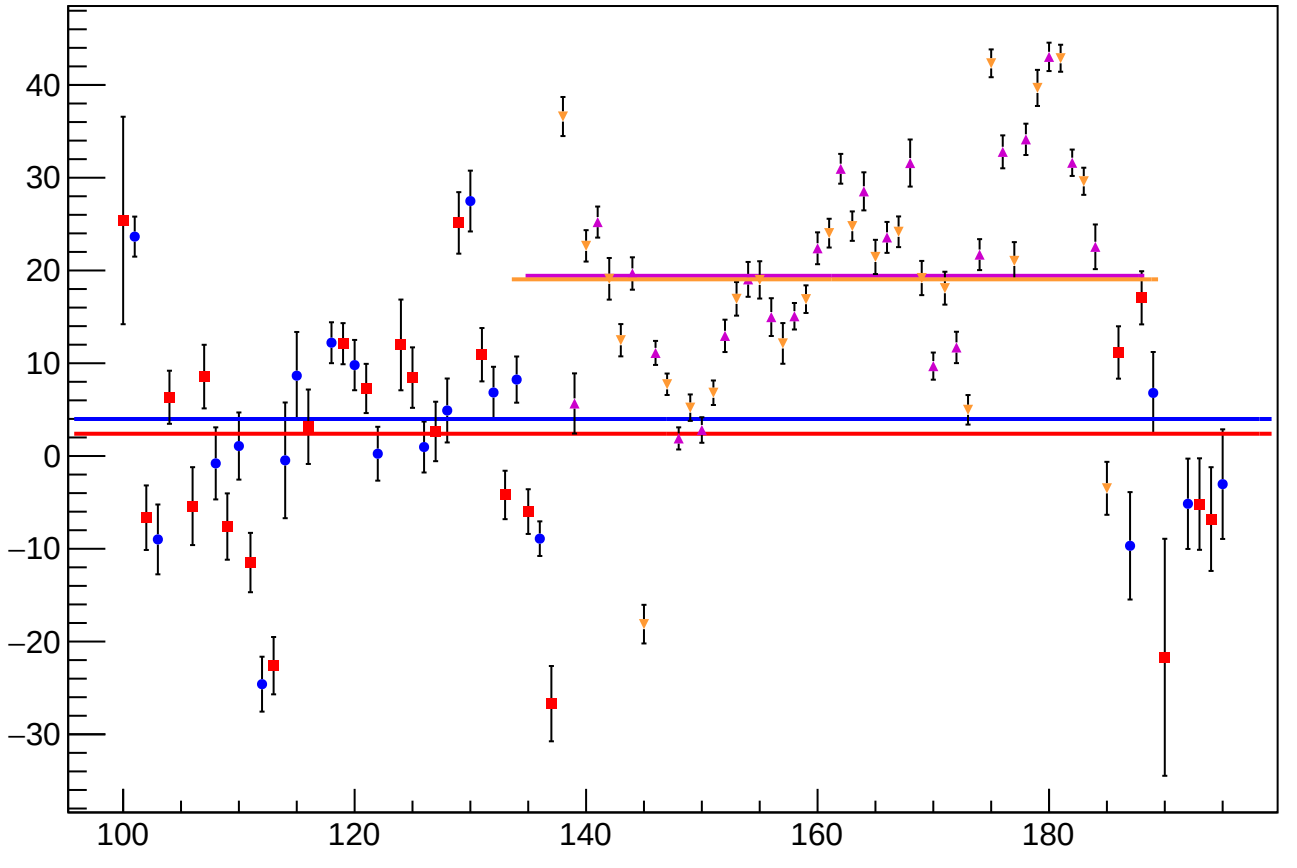
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 163.934+/-0.387 χ^2/NDF: 8130.2/43

In: 129.777+/-0.330 χ^2/NDF:10818.9/42

Out: 134.349+/-0.311 χ^2/NDF:15875.1/48

All: 132.196+/-0.226 χ^2/NDF: 26795.5/91



Right In: 3.990+/-0.688 χ^2/NDF: 327.4/19

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.401+/-0.675 χ^2/NDF: 311.7/23

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

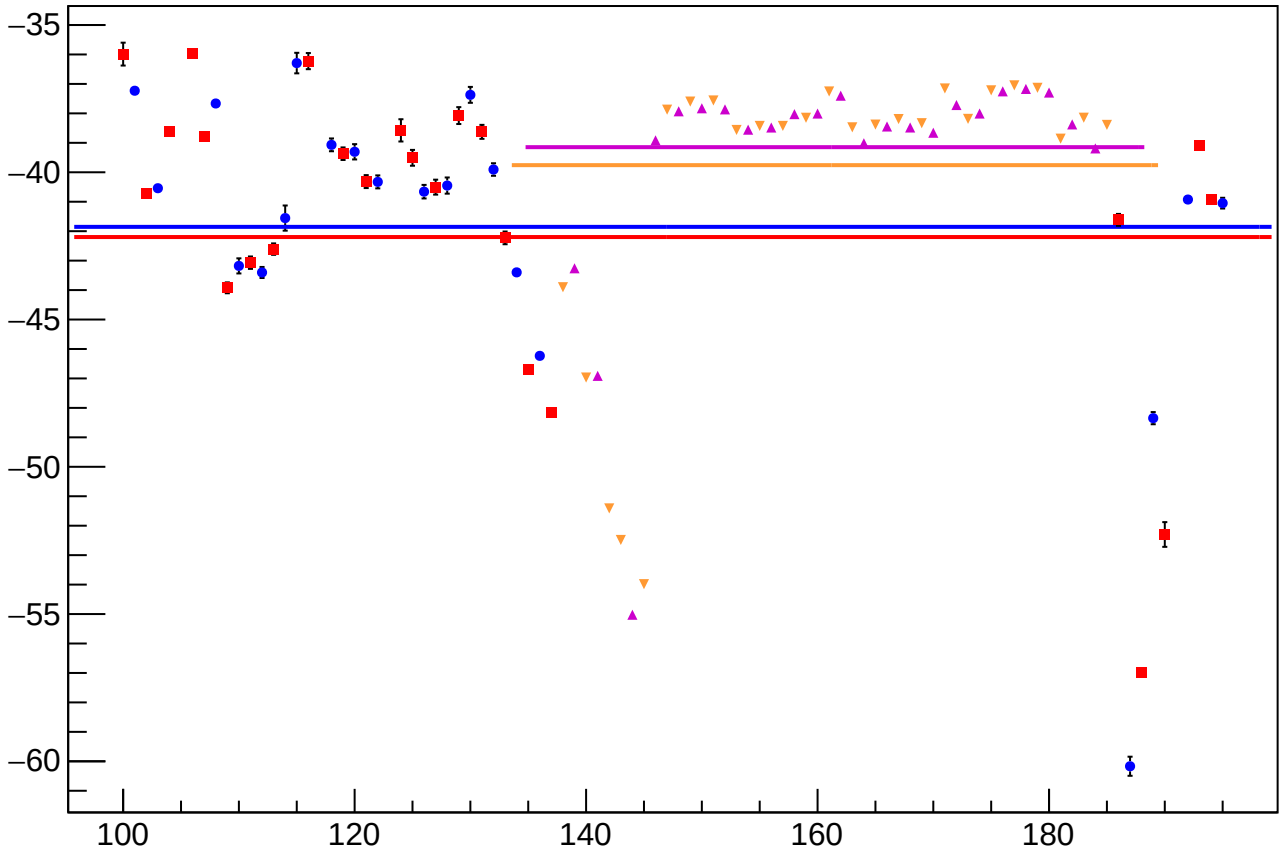
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 3.181+/-0.482 χ^2/NDF: 641.8/43

In: 16.312+/-0.309 χ^2/NDF:1806.5/42

Out: 15.739+/-0.301 χ^2/NDF:2344.8/48

All: 16.018+/-0.216 χ^2/NDF: 4153.1/91



Right In: -41.853+/-0.035 χ^2/NDF: 12244.0/19

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.199+/-0.035 χ^2/NDF: 18942.7/23

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

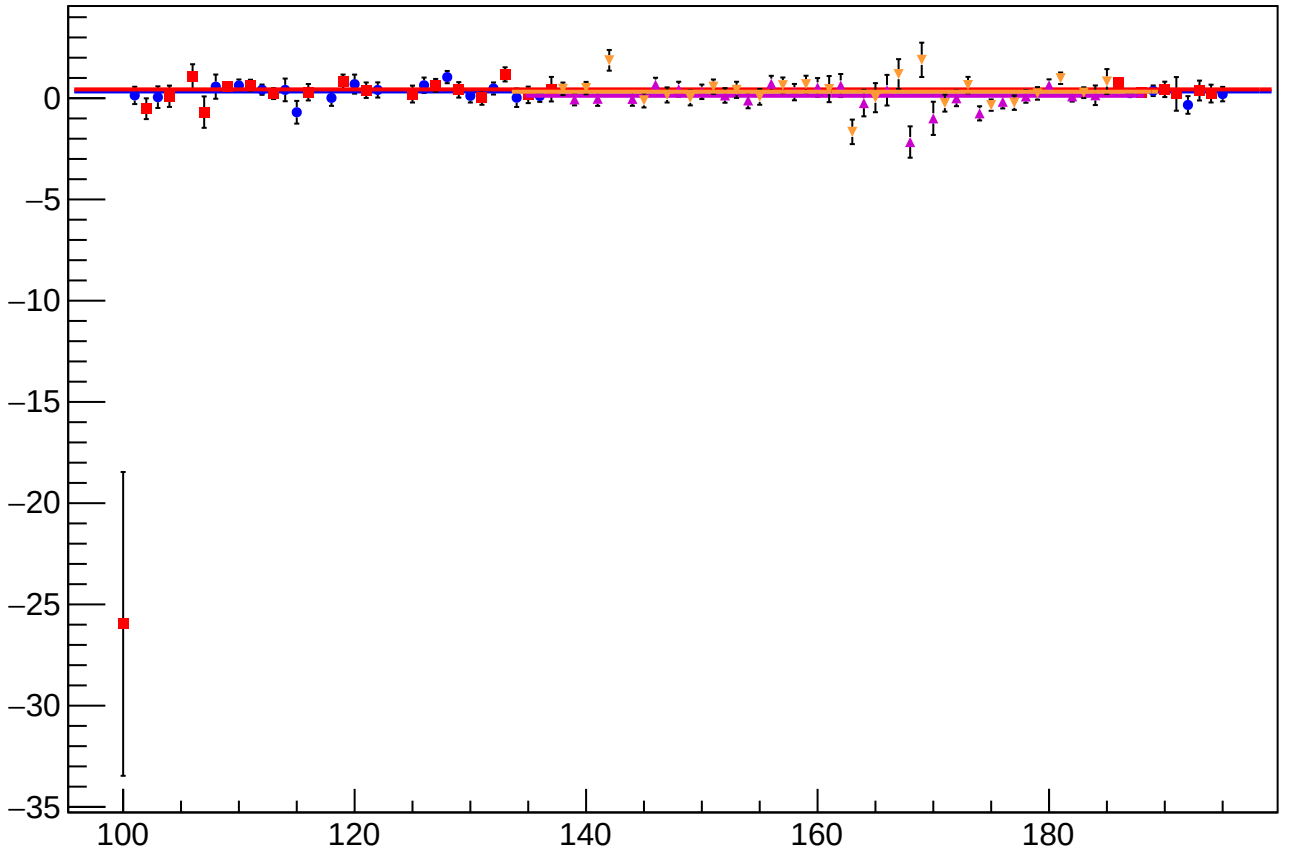
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -42.026+/-0.025 χ^2/NDF: 31234.2/43

In: -39.586+/-0.014 χ^2/NDF:64020.8/42

Out: -40.146+/-0.014 χ^2/NDF:104784.3/48

All: -39.869+/-0.010 χ^2/NDF: 169581.7/91



Right In: 0.333+/-0.078 χ^2/NDF: 16.9/19

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.436+/-0.065 χ^2/NDF: 34.8/23

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

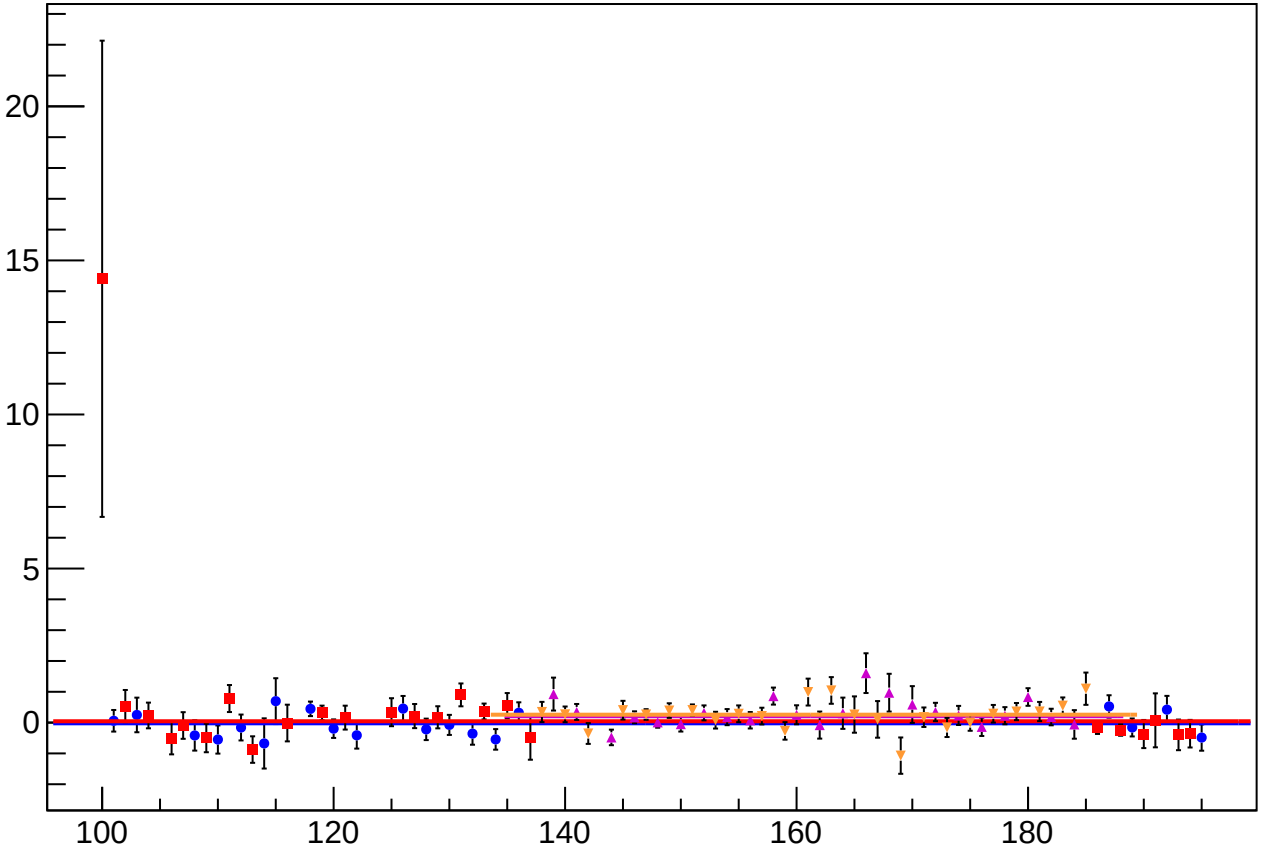
Right: 0.393+/-0.050 χ^2/NDF: 52.8/43

In: 0.229+/-0.056 χ^2/NDF:50.6/42

Out: 0.389+/-0.050 χ^2/NDF:83.0/47

All: 0.317+/-0.037 χ^2/NDF: 138.1/90

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.084 χ^2/NDF: 19.7/19

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.044+/-0.075 χ^2/NDF: 31.3/23

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

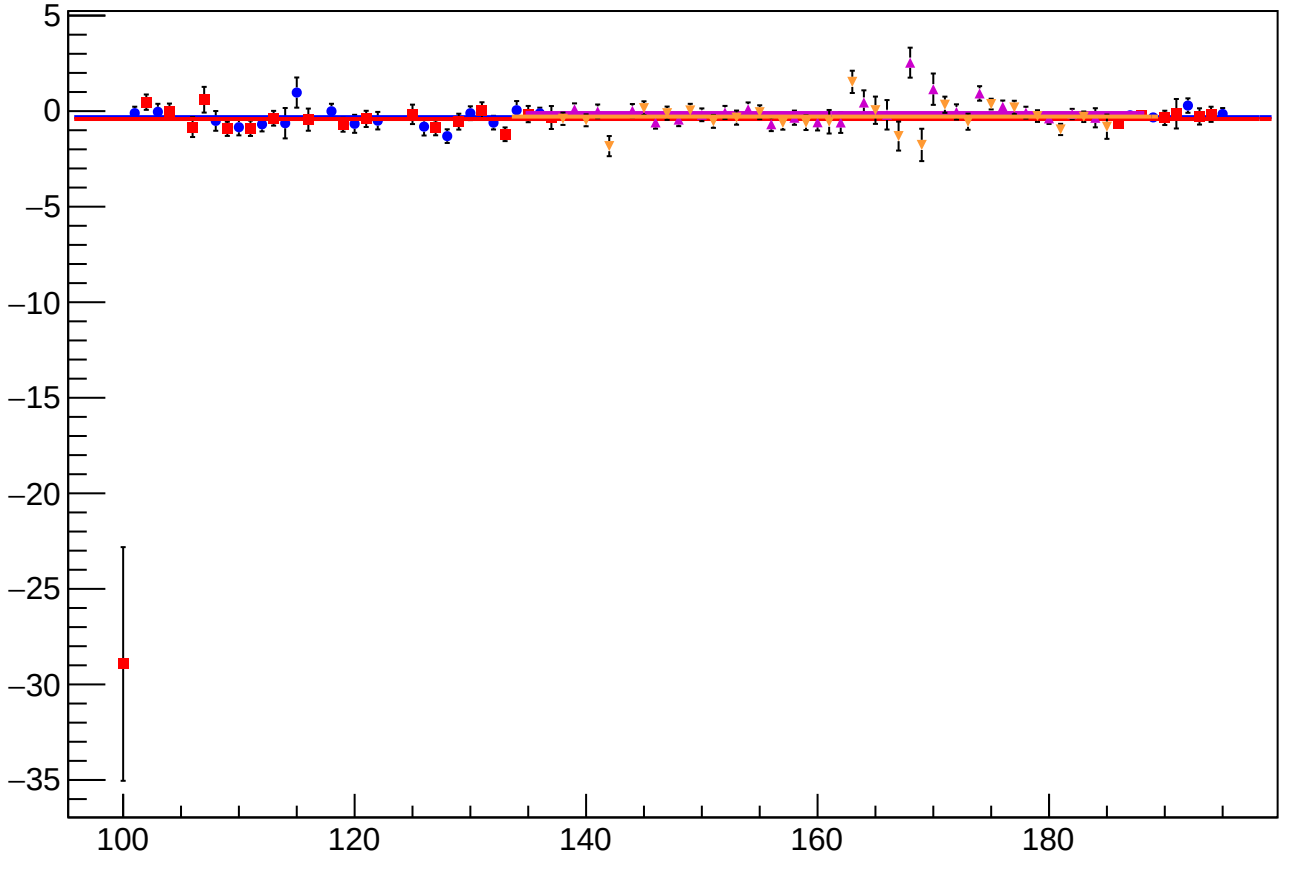
Right: 0.014+/-0.056 χ^2/NDF: 51.4/43

In: 0.128+/-0.049 χ^2/NDF:56.6/42

Out: 0.175+/-0.047 χ^2/NDF:62.8/47

All: 0.153+/-0.034 χ^2/NDF: 119.8/90

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.315+/-0.079 χ^2/NDF: 21.7/19

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.413+/-0.062 χ^2/NDF: 48.6/23

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

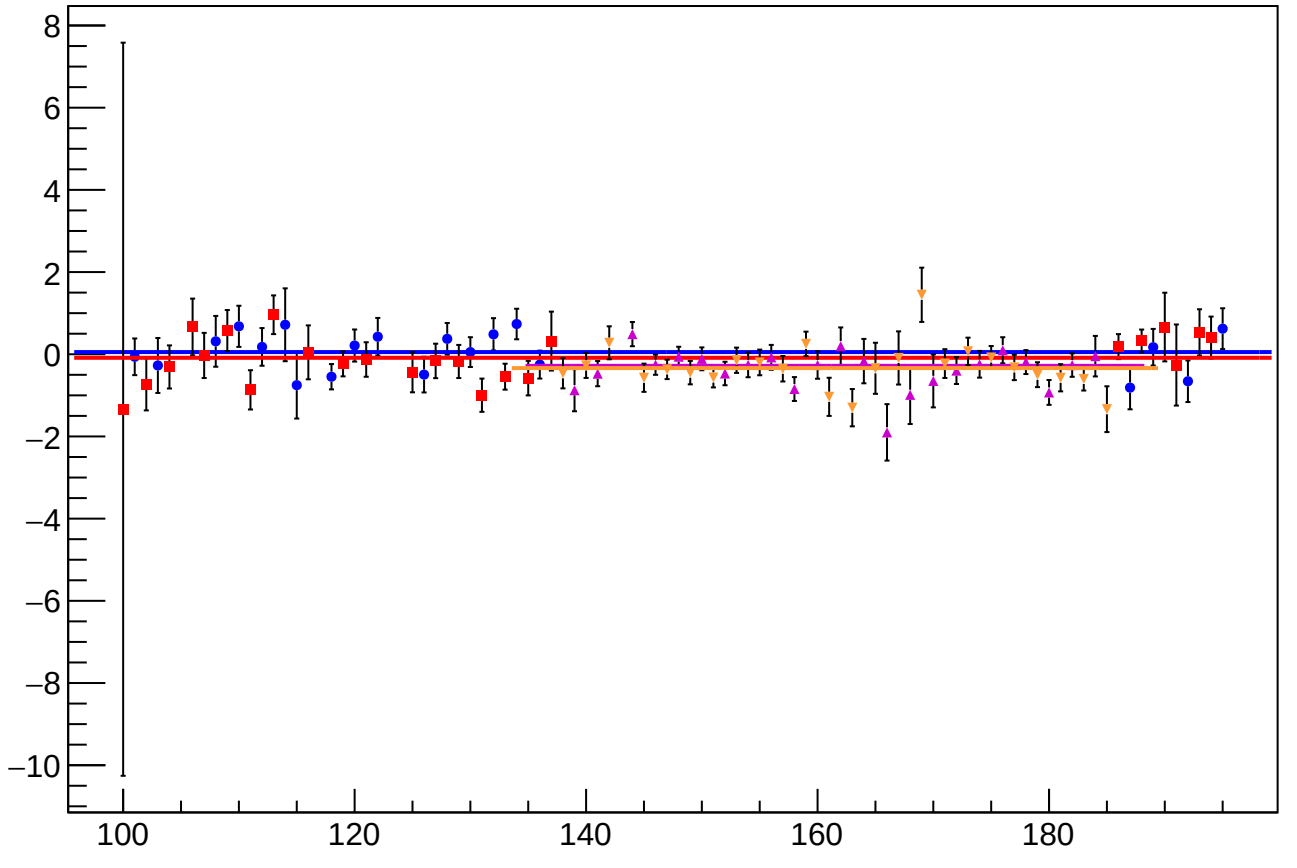
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.375+/-0.049 χ^2/NDF: 71.3/43

In: -0.207+/-0.055 χ^2/NDF:58.7/42

Out: -0.363+/-0.048 χ^2/NDF:95.3/47

All: -0.296+/-0.037 χ^2/NDF: 158.4/90



Right In: 0.053+/-0.099 χ^2/NDF: 22.0/19

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.086+/-0.093 χ^2/NDF: 27.5/23

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

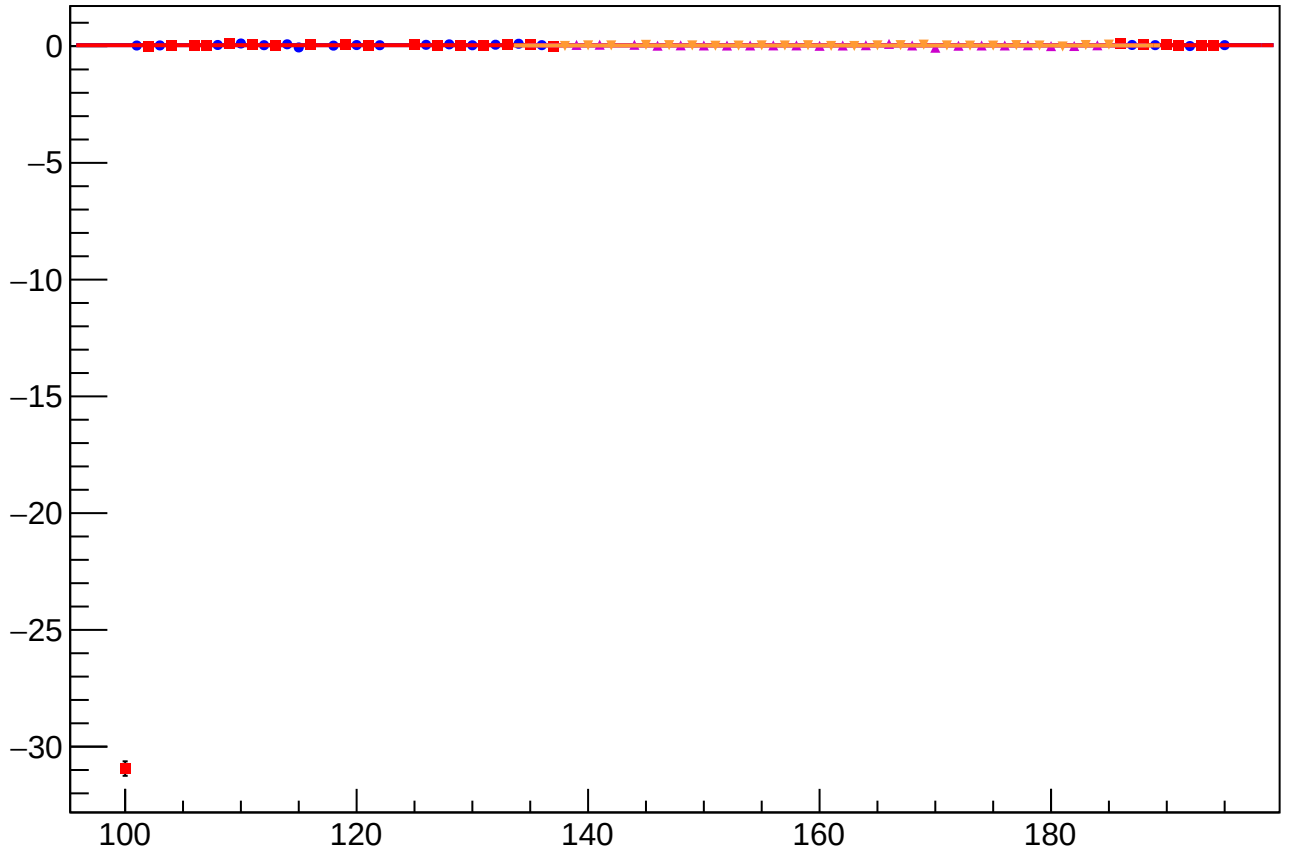
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.021+/-0.068 χ^2/NDF: 50.6/43

In: -0.173+/-0.057 χ^2/NDF:58.7/42

Out: -0.249+/-0.055 χ^2/NDF:62.4/47

All: -0.212+/-0.039 χ^2/NDF: 122.1/90



Right In: 0.043+/-0.005 χ^2/NDF: 26.3/19

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.038+/-0.005 χ^2/NDF: 10038.0/23

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

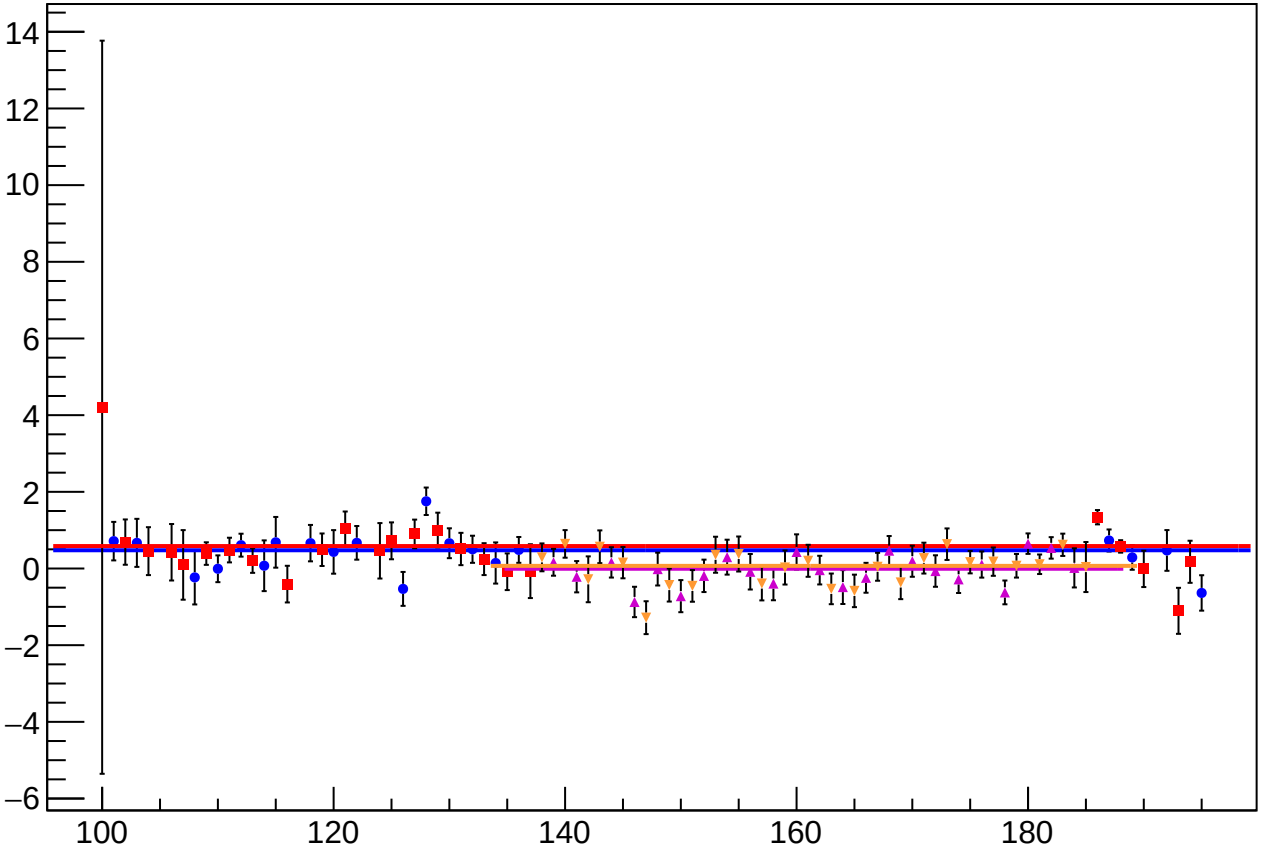
Right: 0.040+/-0.004 χ^2/NDF: 10064.6/43

In: 0.033+/-0.003 χ^2/NDF:69.9/42

Out: 0.031+/-0.003 χ^2/NDF:10068.7/47

All: 0.032+/-0.002 χ^2/NDF: 10139.0/90

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.476+/-0.093 χ^2/NDF: 29.7/19

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.585+/-0.077 χ^2/NDF: 39.4/23

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

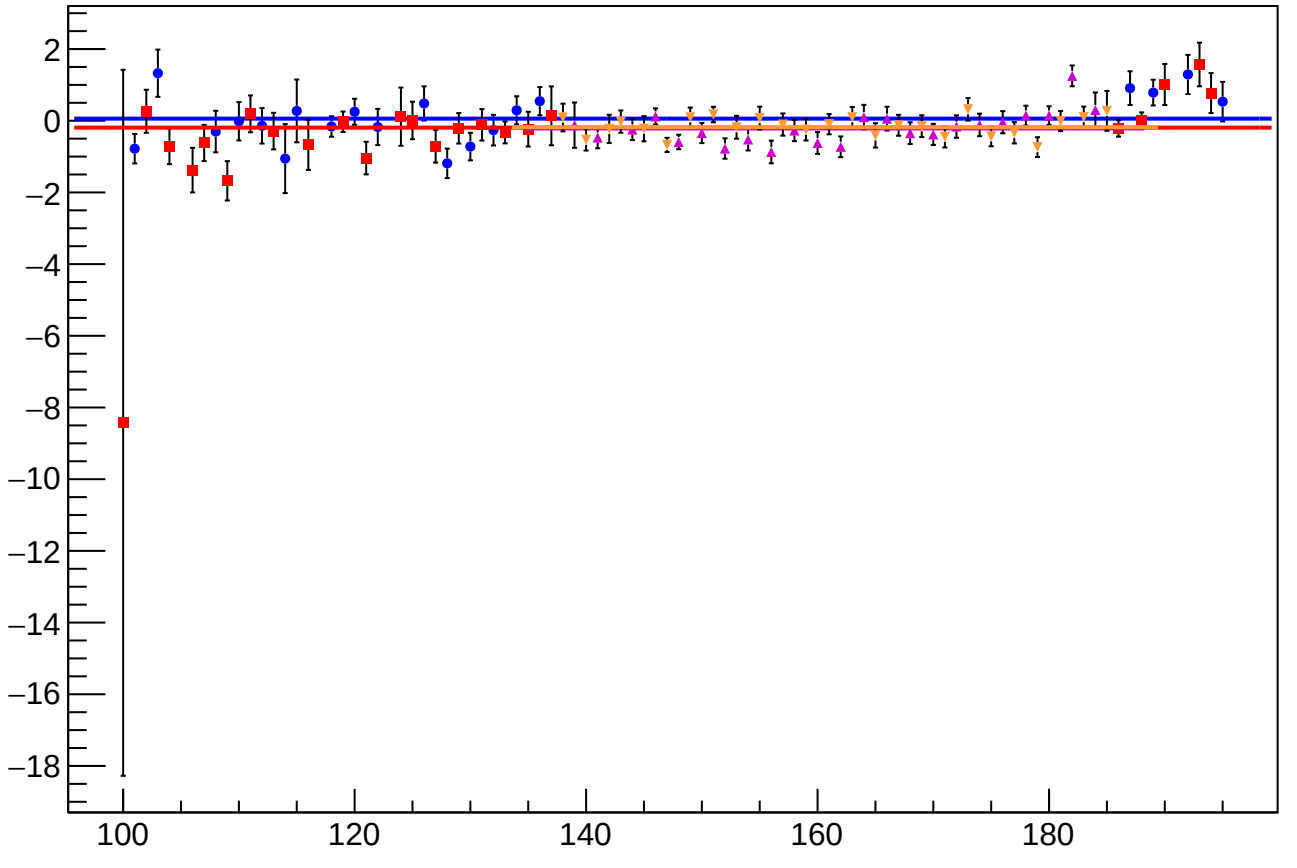
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.541+/-0.059 χ^2/NDF: 69.9/43

In: 0.196+/-0.060 χ^2/NDF:73.7/42

Out: 0.327+/-0.055 χ^2/NDF:92.9/48

All: 0.268+/-0.041 χ^2/NDF: 169.2/91



Right In: 0.059+/-0.100 χ^2/NDF: 40.6/19

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.192+/-0.089 χ^2/NDF: 37.4/23

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

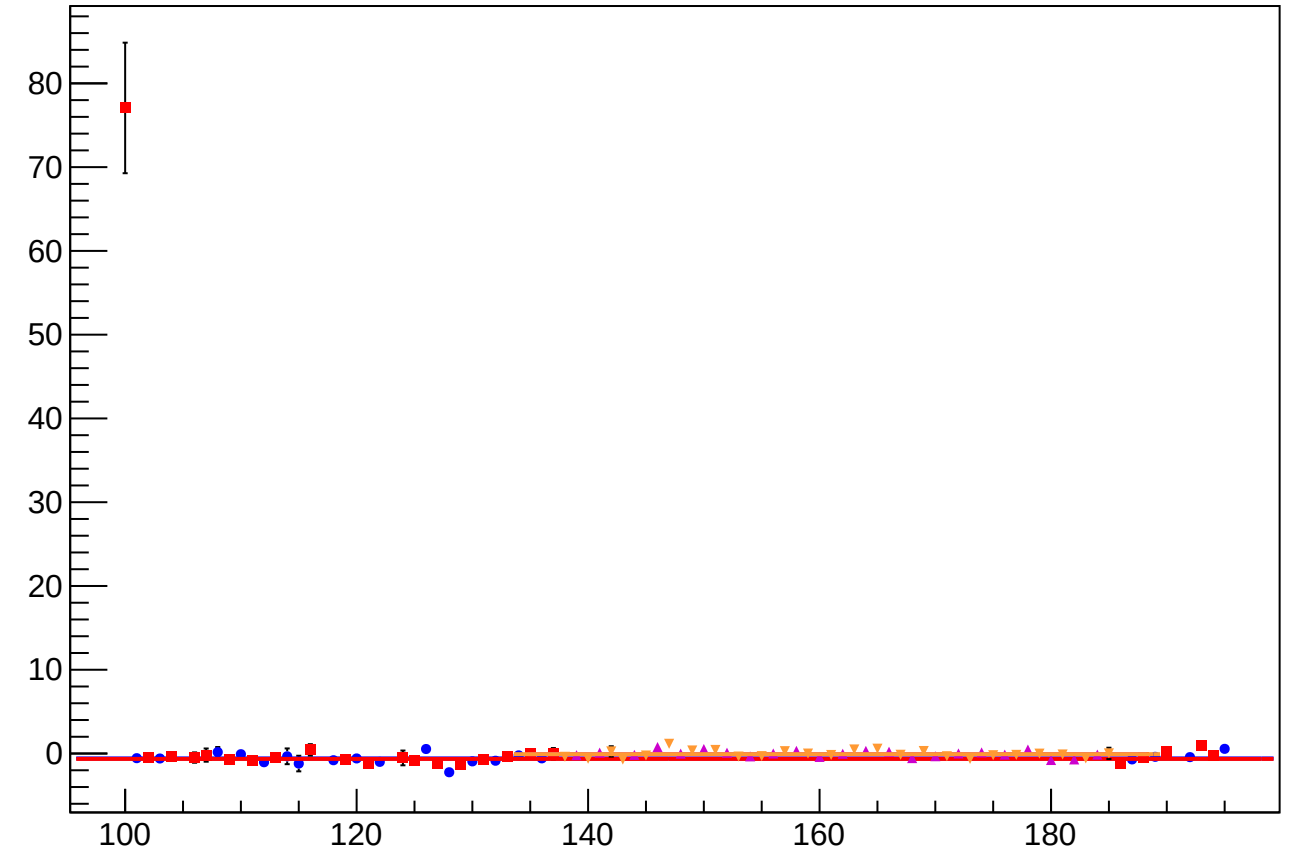
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: -0.082+/-0.066 χ^2/NDF: 81.5/43

In: -0.141+/-0.052 χ^2/NDF:99.6/42

Out: -0.184+/-0.049 χ^2/NDF:62.1/48

All: -0.164+/-0.036 χ^2/NDF: 162.1/91



Right In: -0.588+/-0.095 χ^2/NDF: 35.0/19

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.644+/-0.074 χ^2/NDF: 136.6/23

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

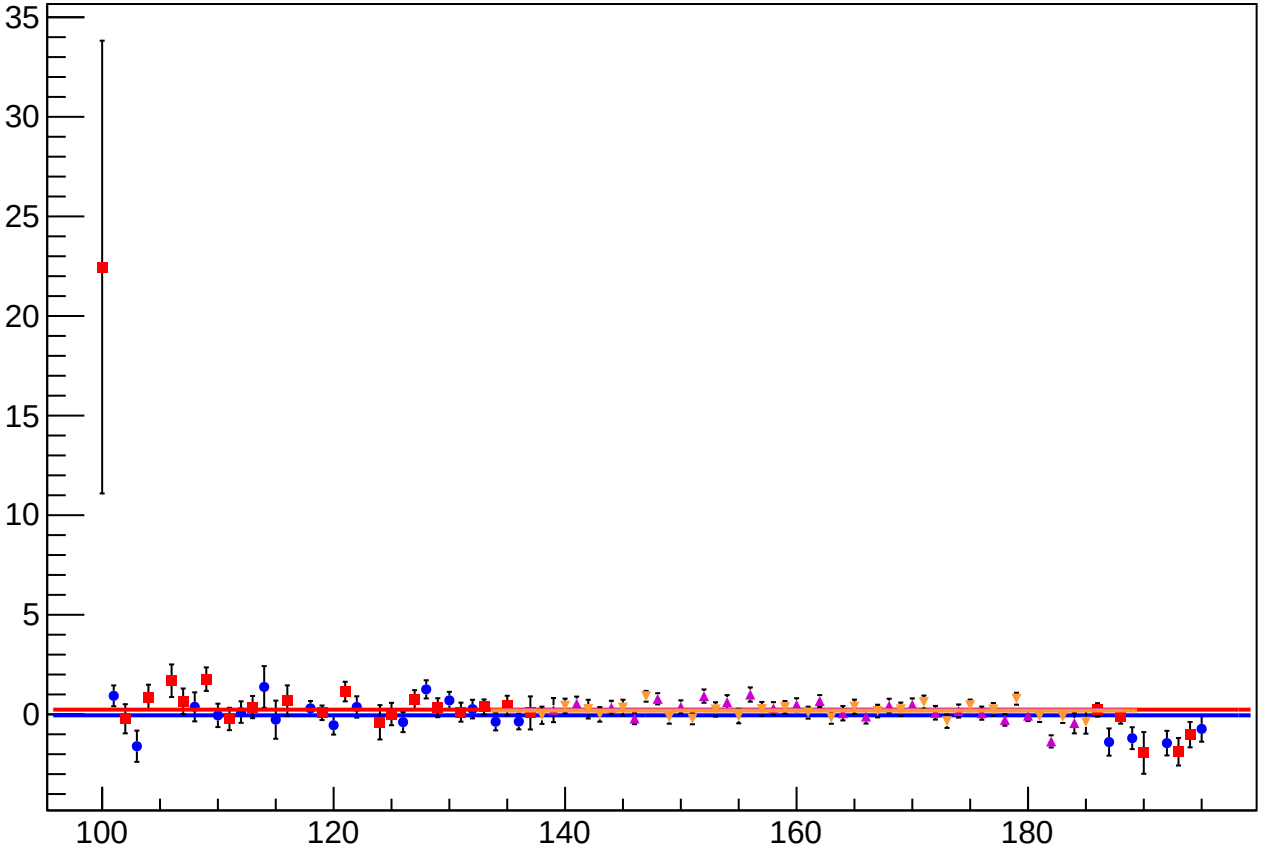
Right: -0.623+/-0.058 χ^2/NDF: 171.8/43

In: -0.283+/-0.061 χ^2/NDF:80.5/42

Out: -0.371+/-0.053 χ^2/NDF:194.9/48

All: -0.333+/-0.040 χ^2/NDF: 276.6/91

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.048+/-0.118 χ^2/NDF: 40.1/19

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.238+/-0.109 χ^2/NDF: 41.0/23

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

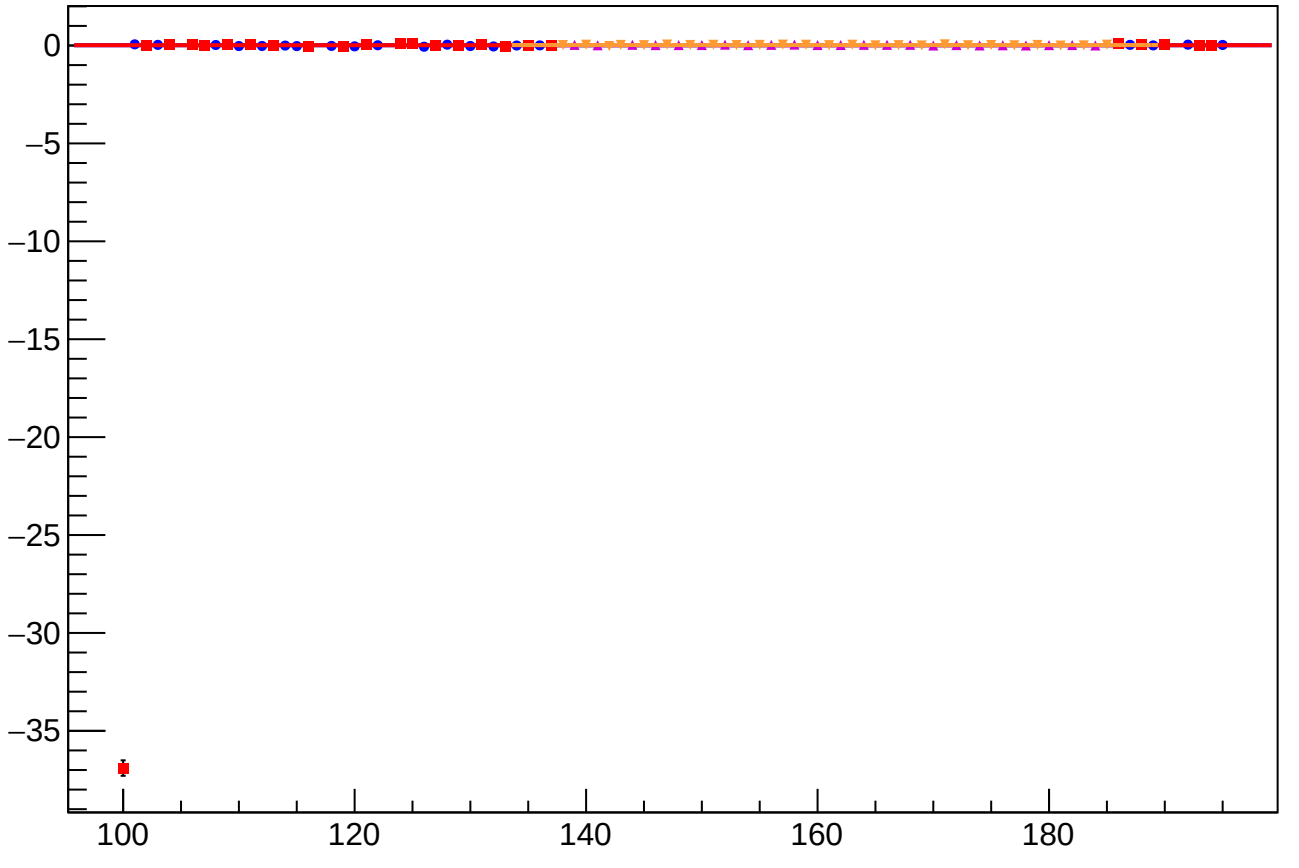
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.106+/-0.080 χ^2/NDF: 84.2/43

In: 0.148+/-0.060 χ^2/NDF:98.8/42

Out: 0.205+/-0.057 χ^2/NDF:67.0/48

All: 0.178+/-0.041 χ^2/NDF: 166.3/91



Right In: 0.013+/-0.006 χ^2/NDF: 21.9/19

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.006 χ^2/NDF: 8775.7/23

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

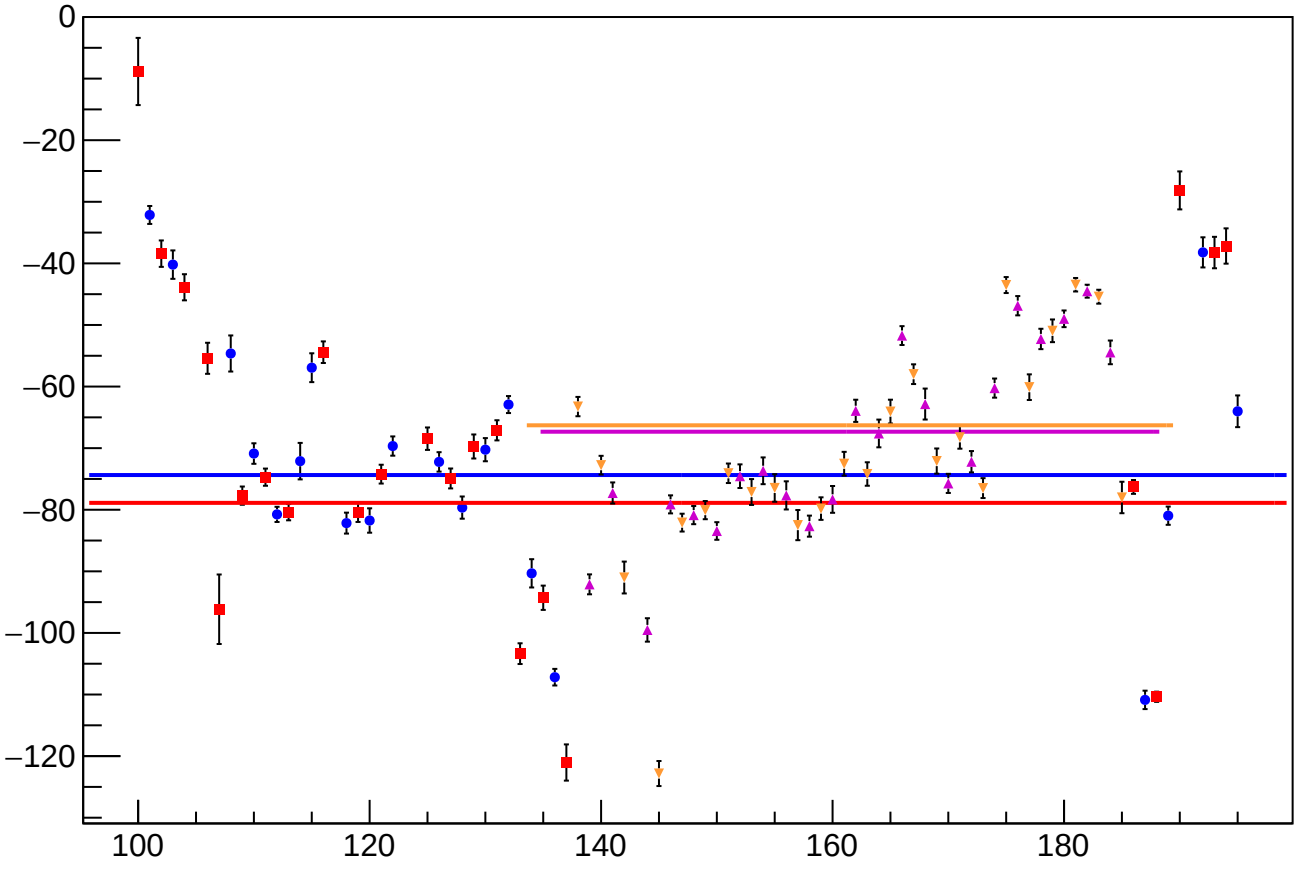
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.014+/-0.004 χ^2/NDF: 8797.6/43

In: 0.022+/-0.003 χ^2/NDF:42.6/42

Out: 0.022+/-0.003 χ^2/NDF:8807.9/48

All: 0.022+/-0.002 χ^2/NDF: 8850.5/91



Right In: -74.365+/-0.390 χ^2/NDF: 2812.3/19

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -78.882+/-0.353 χ^2/NDF: 3883.3/22

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

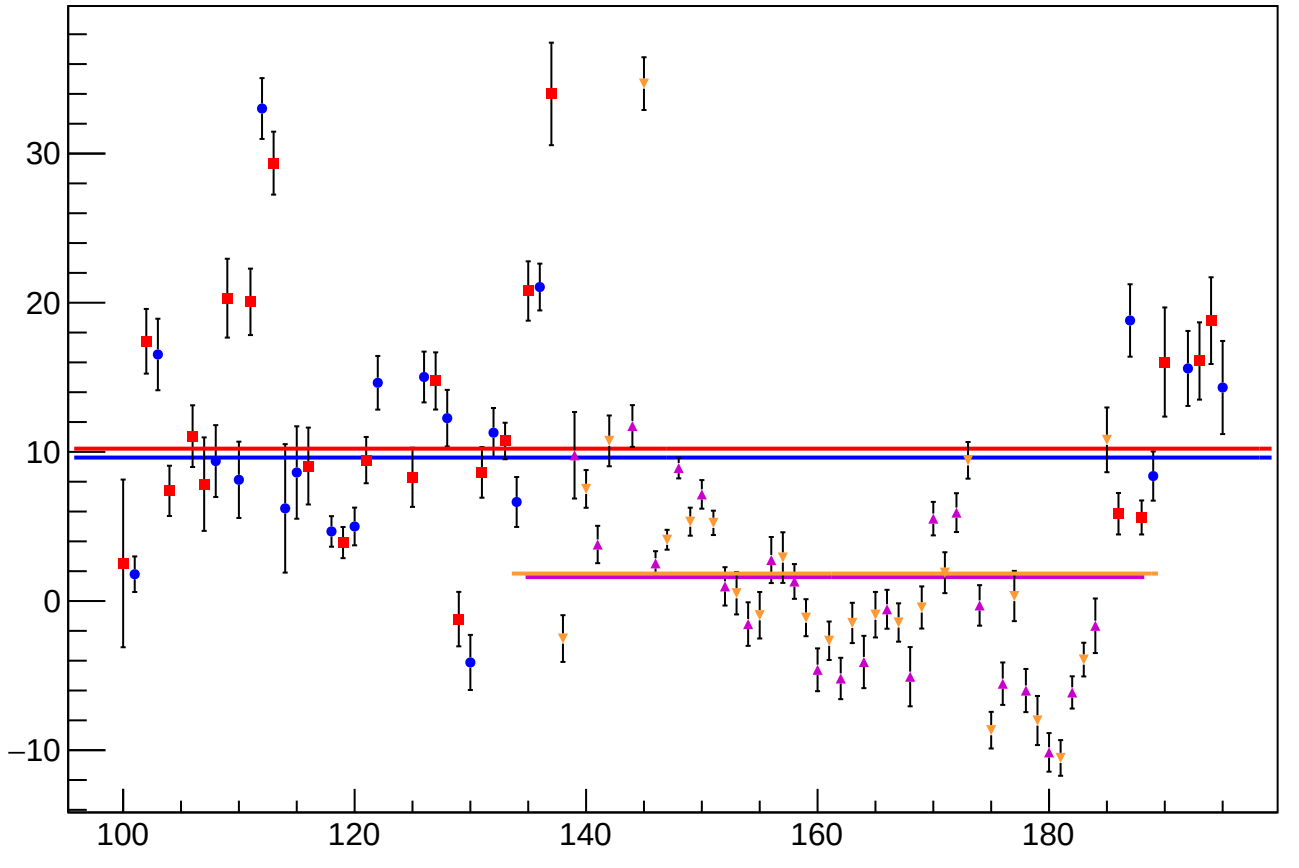
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -76.847+/-0.262 χ^2/NDF: 6769.4/42

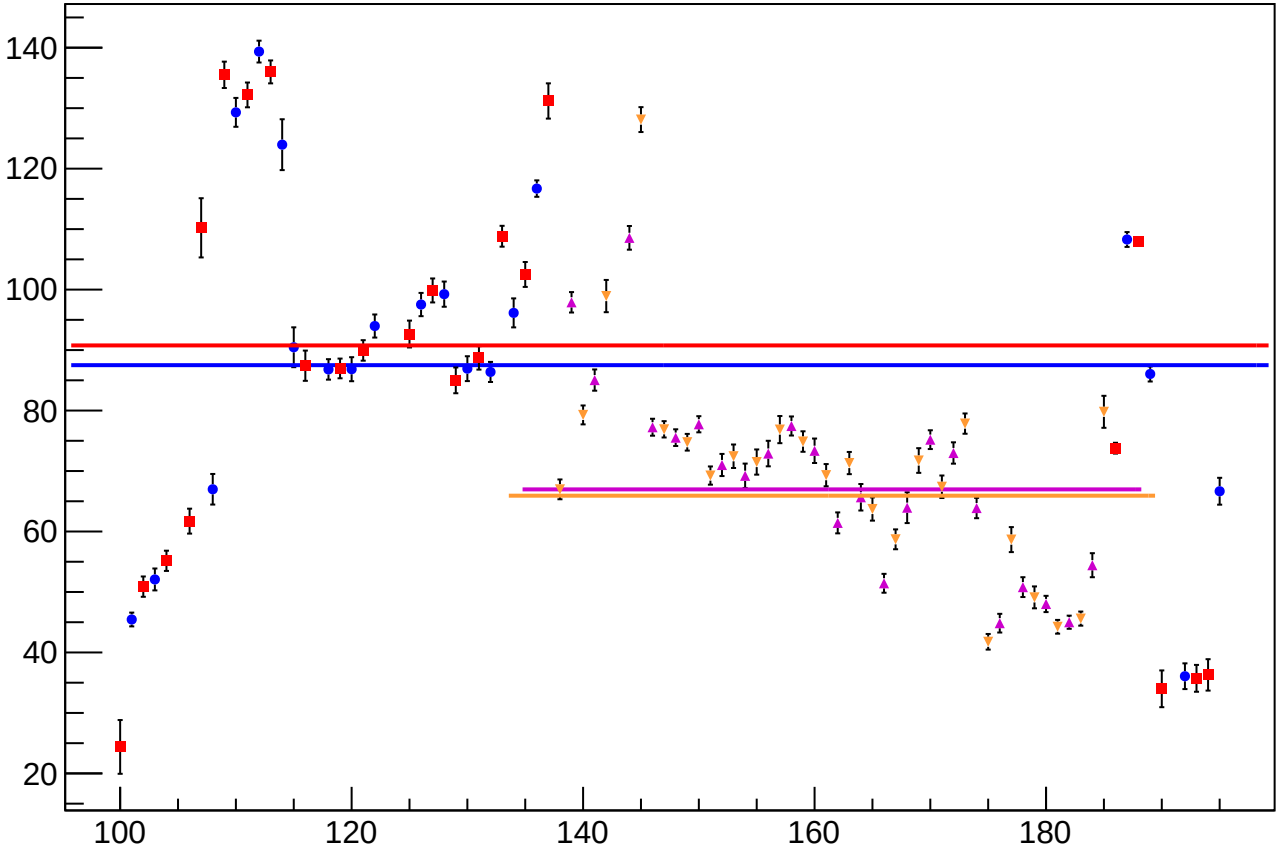
In: -70.422+/-0.258 χ^2/NDF:5097.5/42

Out: -72.421+/-0.246 χ^2/NDF:7087.0/46

All: -71.469+/-0.178 χ^2/NDF: 12215.8/89


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
120
140
160
180
Right In: 9.618+/-0.397 χ²/NDF: 376.0/19
Left Out: 1.842+/-0.254 χ²/NDF:781.5/23
Right Out: 10.216+/-0.384 χ²/NDF: 335.2/22
Left In: 1.605+/-0.258 χ²/NDF:496.6/22
Left: 1.726+/-0.181 χ²/NDF: 1278.5/46
Right: 9.928+/-0.276 χ²/NDF: 712.4/42
In: 3.986+/-0.217 χ²/NDF:1158.3/42
Out: 4.400+/-0.212 χ²/NDF:1447.5/46
All: 4.197+/-0.152 χ²/NDF: 2607.7/89

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 87.505+/-0.399 χ^2/NDF: 4523.4/19

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 90.770+/-0.348 χ^2/NDF: 5655.7/22

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

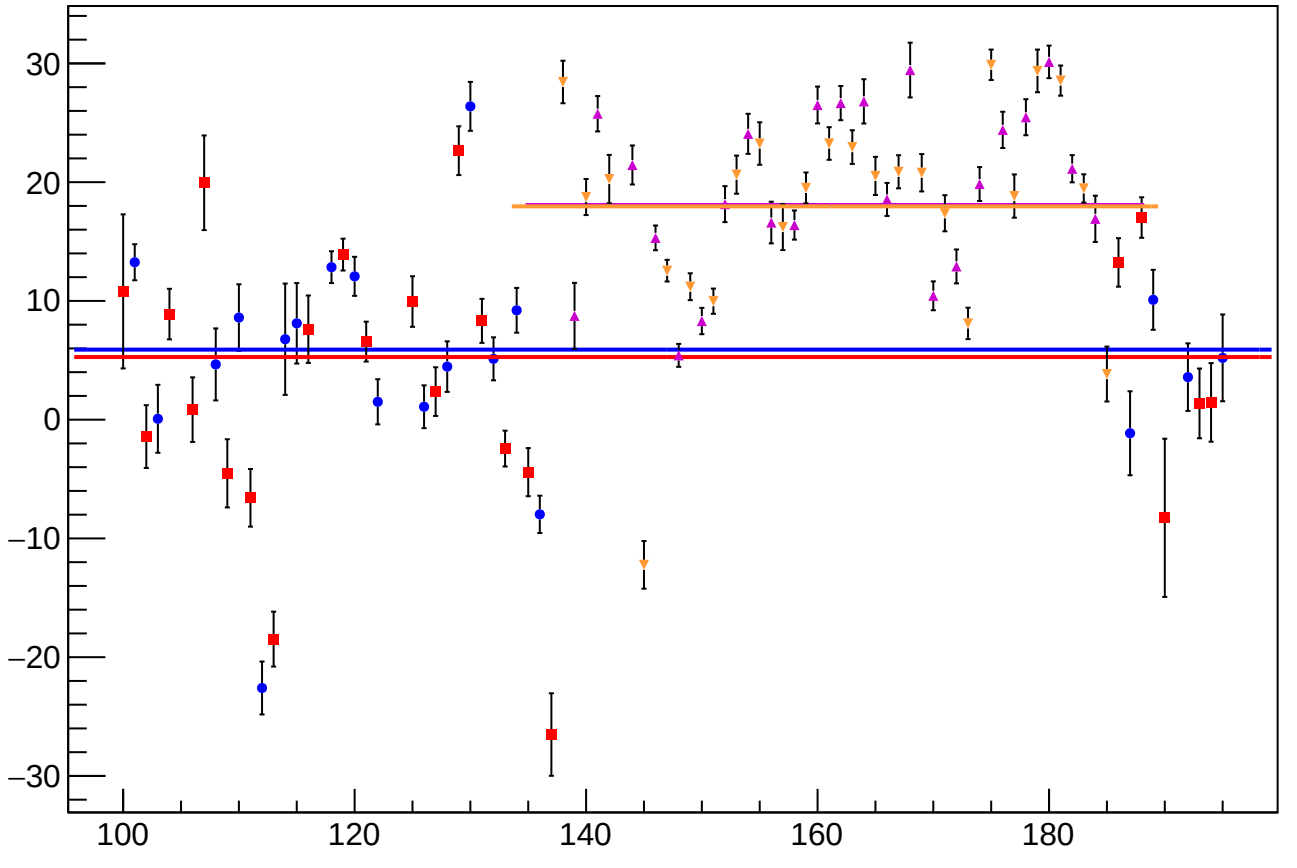
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 89.358+/-0.262 χ^2/NDF: 10217.2/42

In: 75.645+/-0.259 χ^2/NDF:8276.4/42

Out: 78.071+/-0.243 χ^2/NDF:10814.6/46

All: 76.935+/-0.177 χ^2/NDF: 19137.5/89



Right In: 5.898+/-0.470 χ^2/NDF: 434.2/19

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.274+/-0.463 χ^2/NDF: 493.6/22

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

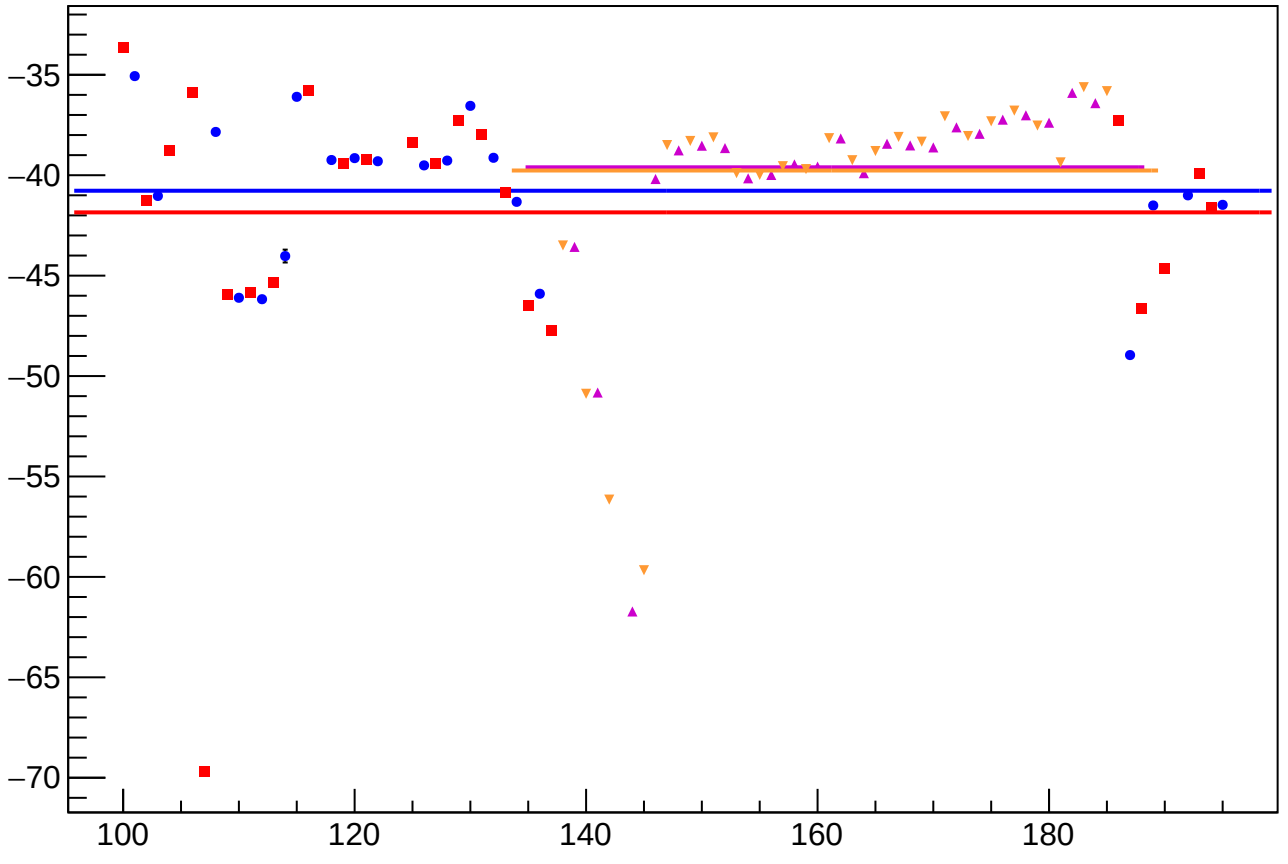
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.581+/-0.330 χ^2/NDF: 928.7/42

In: 14.642+/-0.250 χ^2/NDF:1520.9/42

Out: 14.354+/-0.247 χ^2/NDF:1763.1/46

All: 14.496+/-0.176 χ^2/NDF: 3284.6/89



Right In: -40.773+/-0.025 χ^2/NDF: 20036.7/19

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.850+/-0.025 χ^2/NDF: 41376.6/22

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

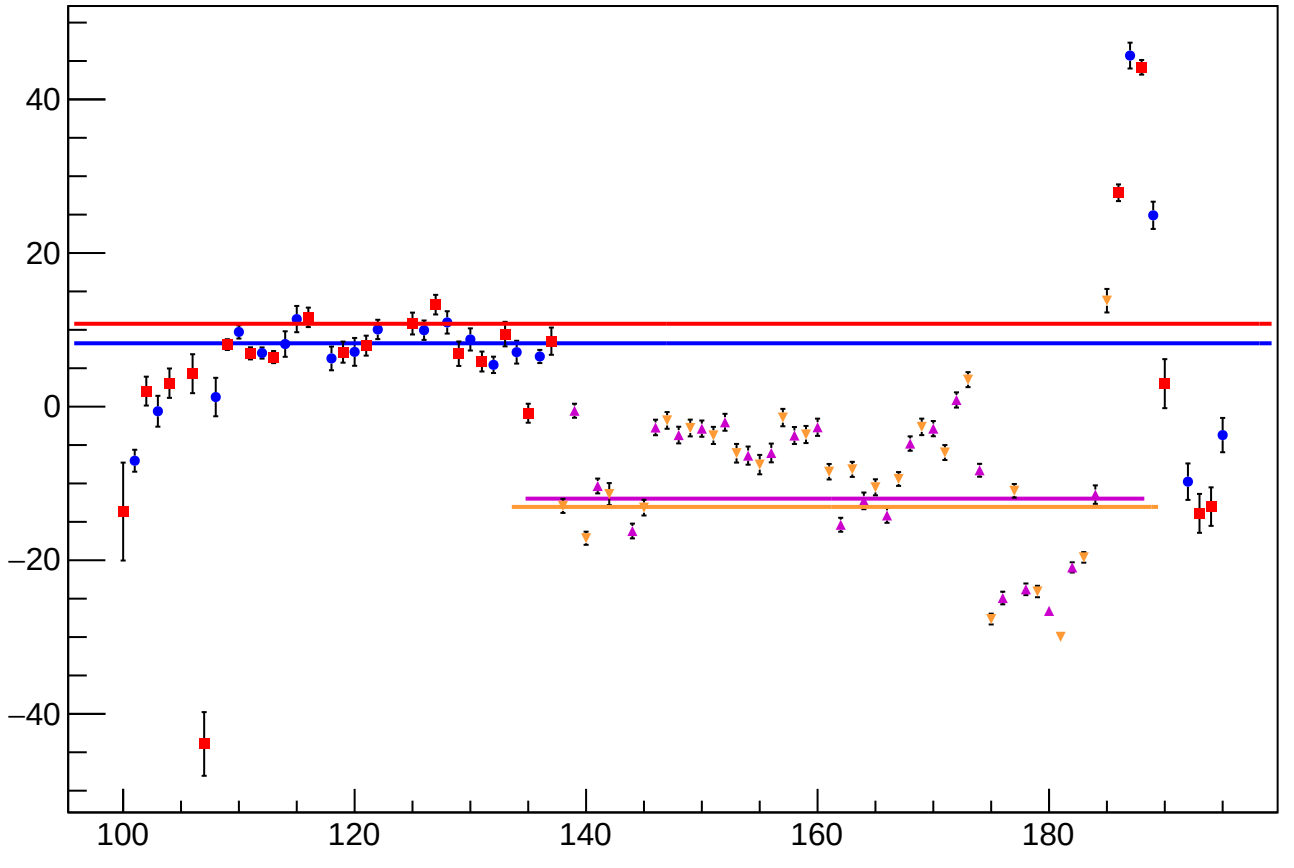
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.318+/-0.018 χ^2/NDF: 62326.1/42

In: -39.860+/-0.012 χ^2/NDF:128330.6/42

Out: -40.233+/-0.012 χ^2/NDF:176644.0/46

All: -40.046+/-0.008 χ^2/NDF: 305469.6/89



Right In: 8.249+/-0.295 χ^2/NDF: 843.0/19

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 10.790+/-0.271 χ^2/NDF: 2101.3/22

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

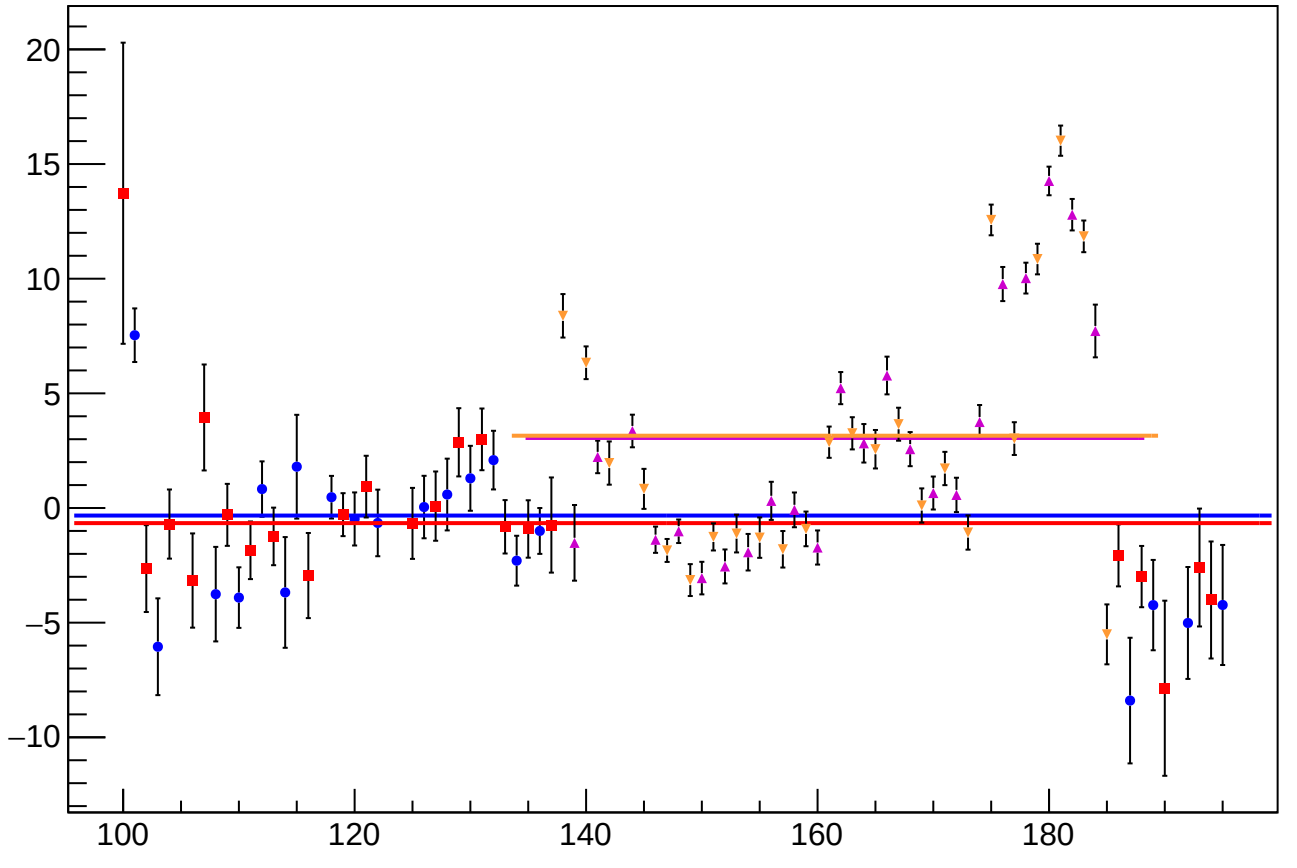
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 9.626+/-0.200 χ^2/NDF: 2984.5/42

In: -5.801+/-0.163 χ^2/NDF:6289.2/42

Out: -5.044+/-0.157 χ^2/NDF:10109.1/46

All: -5.409+/-0.113 χ^2/NDF: 16409.5/89



Right In: -0.329+/-0.319 χ^2/NDF: 94.8/19

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.659+/-0.318 χ^2/NDF: 38.9/22

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

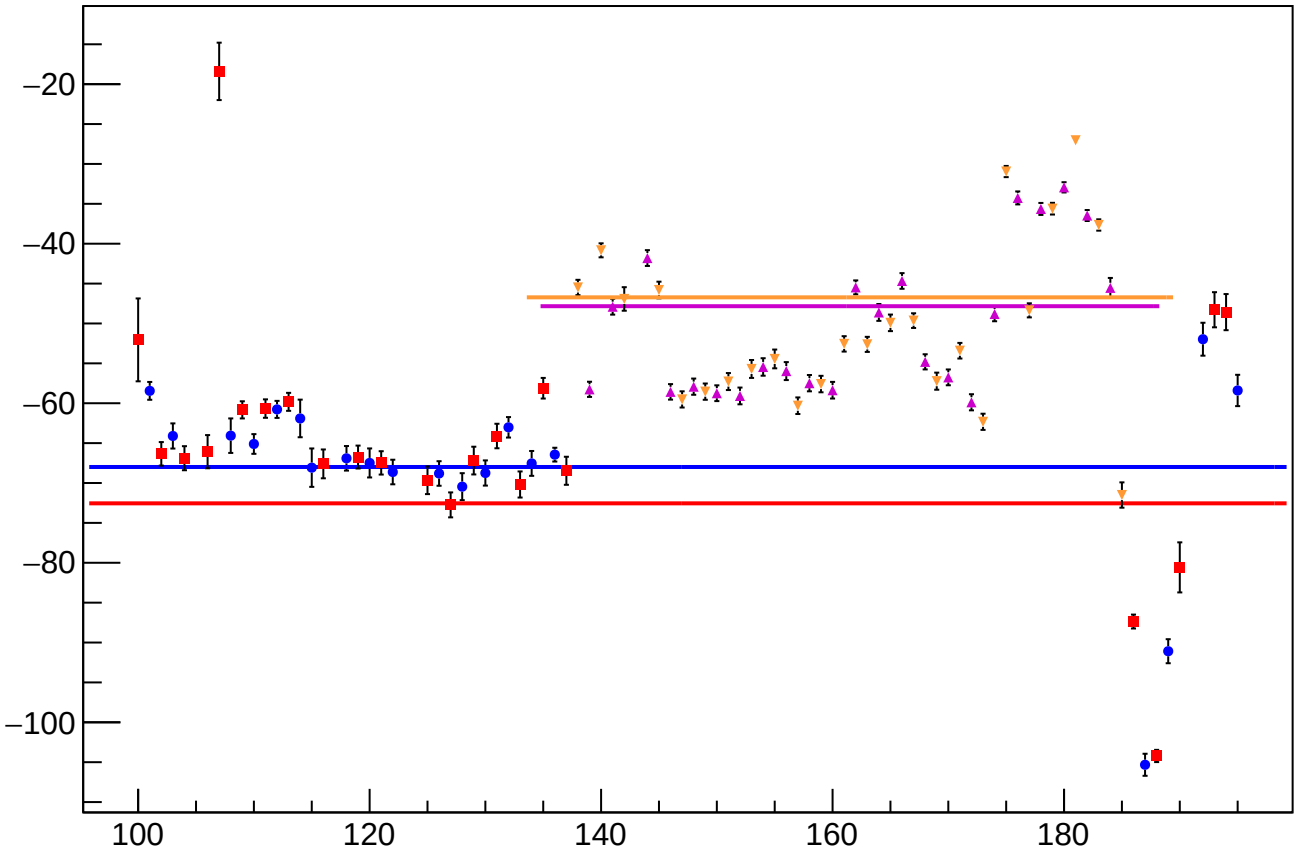
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.495+/-0.225 χ^2/NDF: 134.2/42

In: 2.430+/-0.137 χ^2/NDF:1331.4/42

Out: 2.464+/-0.135 χ^2/NDF:1542.0/46

All: 2.447+/-0.096 χ^2/NDF: 2873.4/89



Right In: -67.992+/-0.325 χ^2/NDF: 1211.2/19

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -72.549+/-0.299 χ^2/NDF: 3084.0/22

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

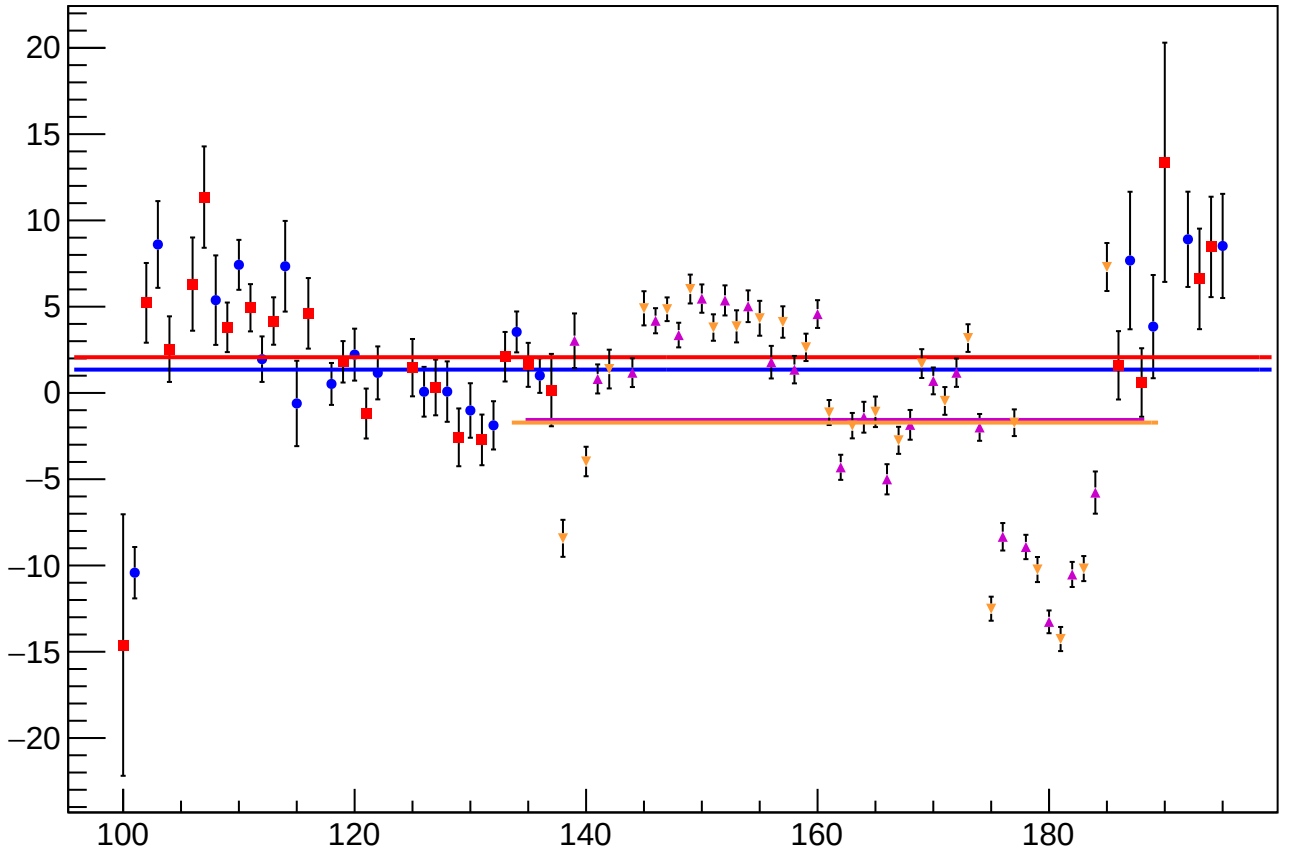
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

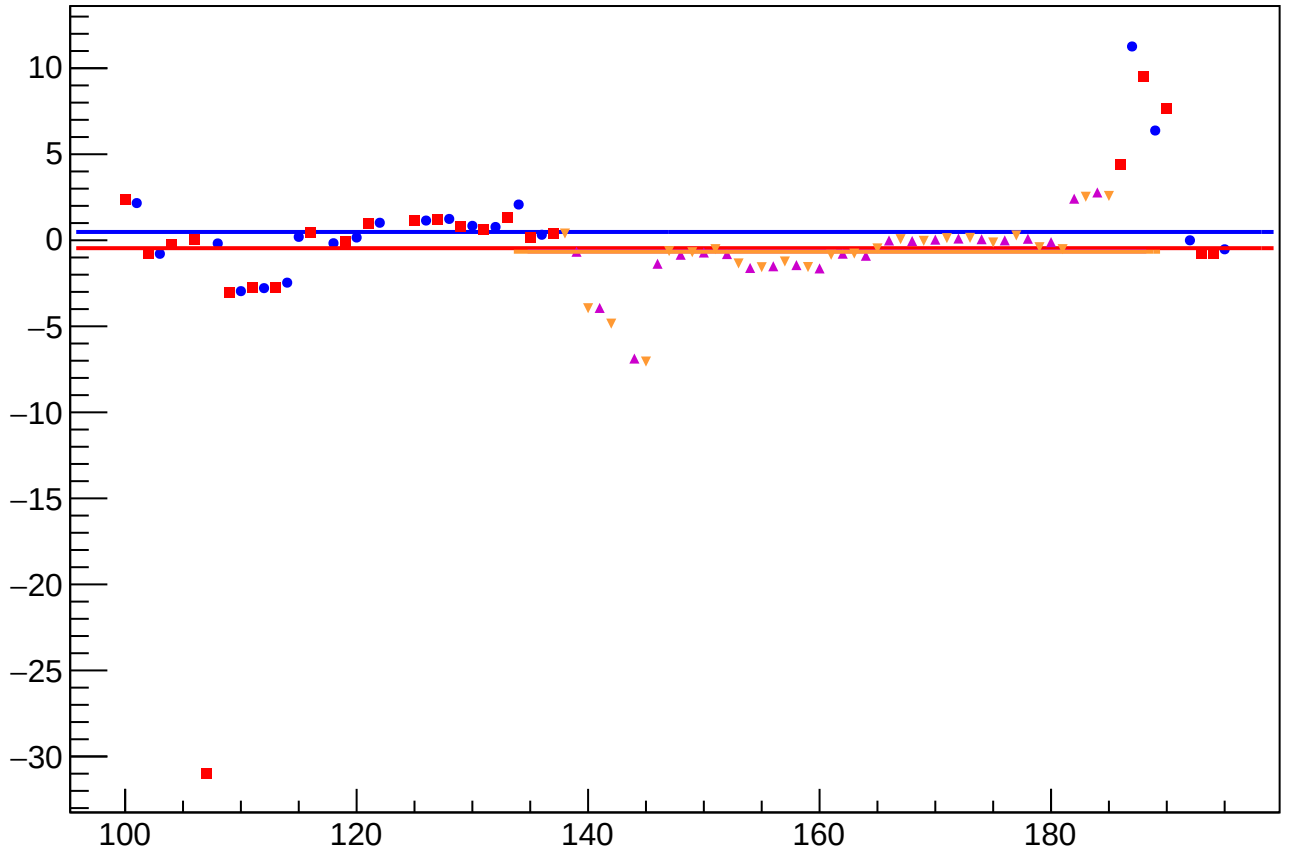
Right: -70.467+/-0.220 χ^2/NDF: 4401.6/42

In: -53.113+/-0.167 χ^2/NDF:6599.8/42

Out: -54.255+/-0.161 χ^2/NDF:11831.0/46

All: -53.703+/-0.116 χ^2/NDF: 18455.1/89


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
−20
100
120
140
160
180
Right In: 1.352+/-0.365 χ²/NDF: 126.4/19
Left Out: -1.718+/-0.168 χ²/NDF:1406.1/23
Right Out: 2.071+/-0.369 χ²/NDF: 65.2/22
Left In: -1.567+/-0.171 χ²/NDF:1117.7/22
Left: -1.644+/-0.120 χ²/NDF: 2524.2/46
Right: 1.708+/-0.259 χ²/NDF: 193.5/42
In: -1.043+/-0.155 χ²/NDF:1296.6/42
Out: -1.068+/-0.153 χ²/NDF:1558.7/46
All: -1.056+/-0.109 χ²/NDF: 2855.3/89



Right In: 0.483+/-0.020 χ^2/NDF: 9551.5/19

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.459+/-0.020 χ^2/NDF: 59938.2/22

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

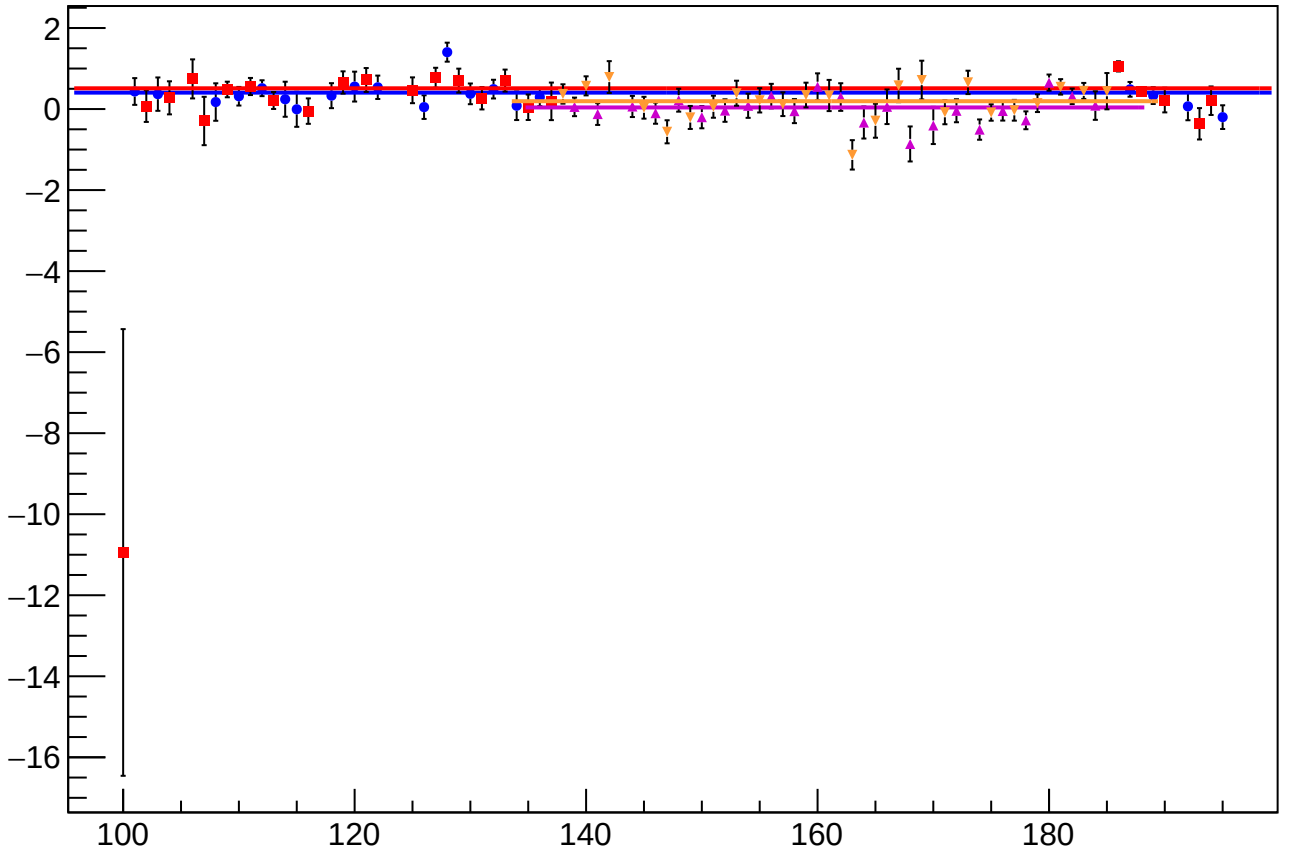
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.024+/-0.014 χ^2/NDF: 70610.5/42

In: -0.501+/-0.007 χ^2/NDF:57997.5/42

Out: -0.640+/-0.007 χ^2/NDF:115306.7/46

All: -0.571+/-0.005 χ^2/NDF: 173500.3/89



Right In: 0.405+/-0.061 χ^2/NDF: 28.6/19

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.512+/-0.051 χ^2/NDF: 45.4/22

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

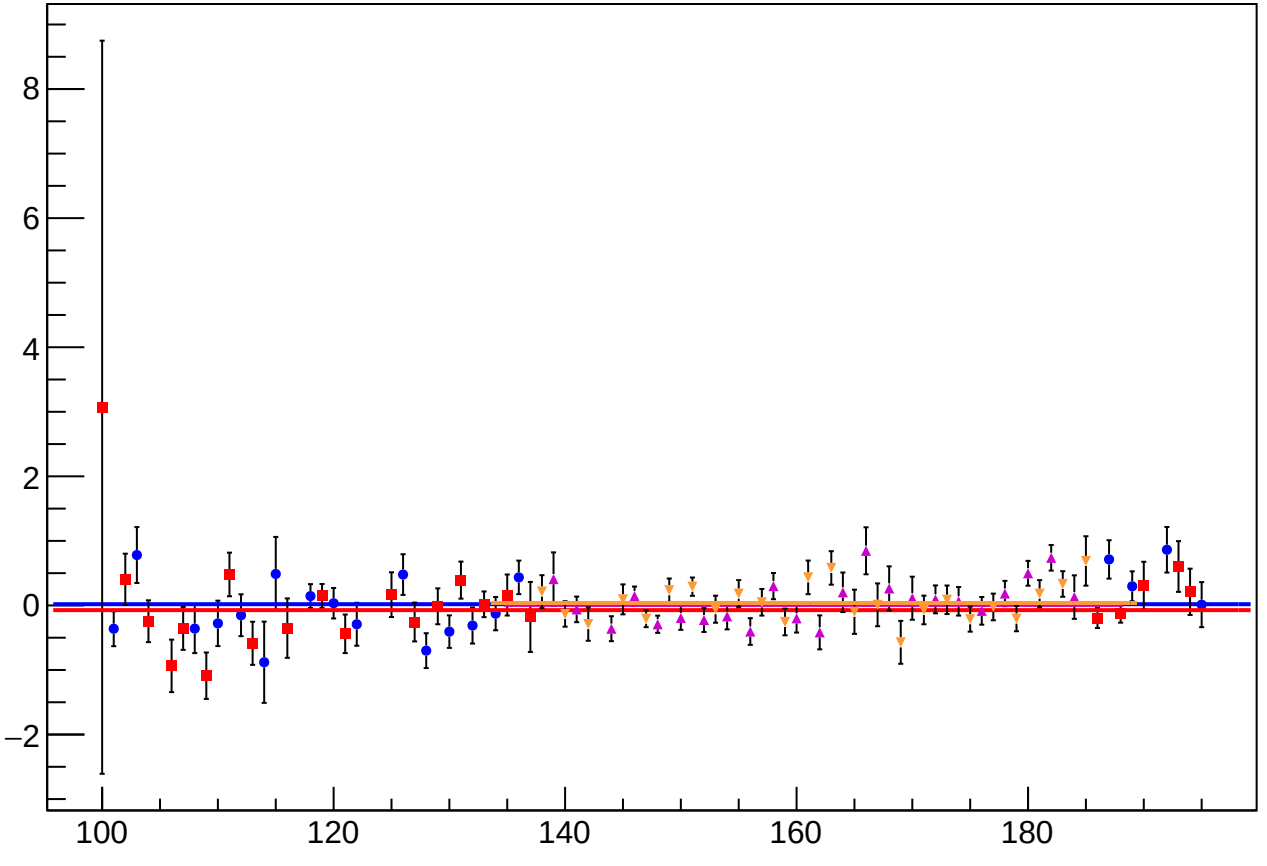
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.468+/-0.039 χ^2/NDF: 75.8/42

In: 0.213+/-0.042 χ^2/NDF:78.3/42

Out: 0.370+/-0.038 χ^2/NDF:107.0/46

All: 0.299+/-0.028 χ^2/NDF: 193.1/89



Right In: 0.019+/-0.065 χ^2/NDF: 40.0/19

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.073+/-0.058 χ^2/NDF: 33.3/22

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

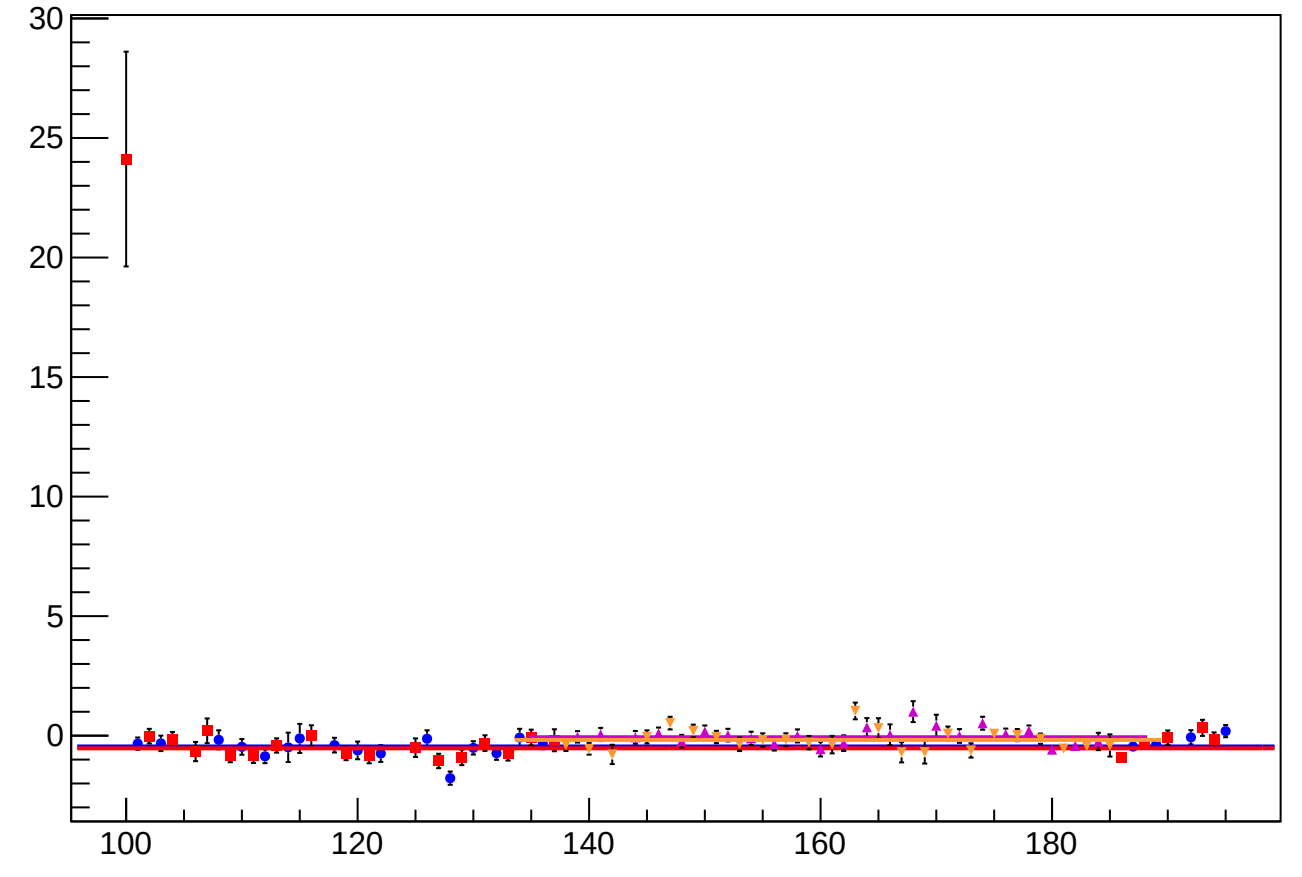
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: -0.032+/-0.044 χ^2/NDF: 74.4/42

In: 0.012+/-0.037 χ^2/NDF:91.5/42

Out: -0.001+/-0.035 χ^2/NDF:68.4/46

All: 0.005+/-0.025 χ^2/NDF: 159.9/89



Right In: -0.452+/-0.062 χ^2/NDF: 38.4/19

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.529+/-0.049 χ^2/NDF: 75.0/22

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

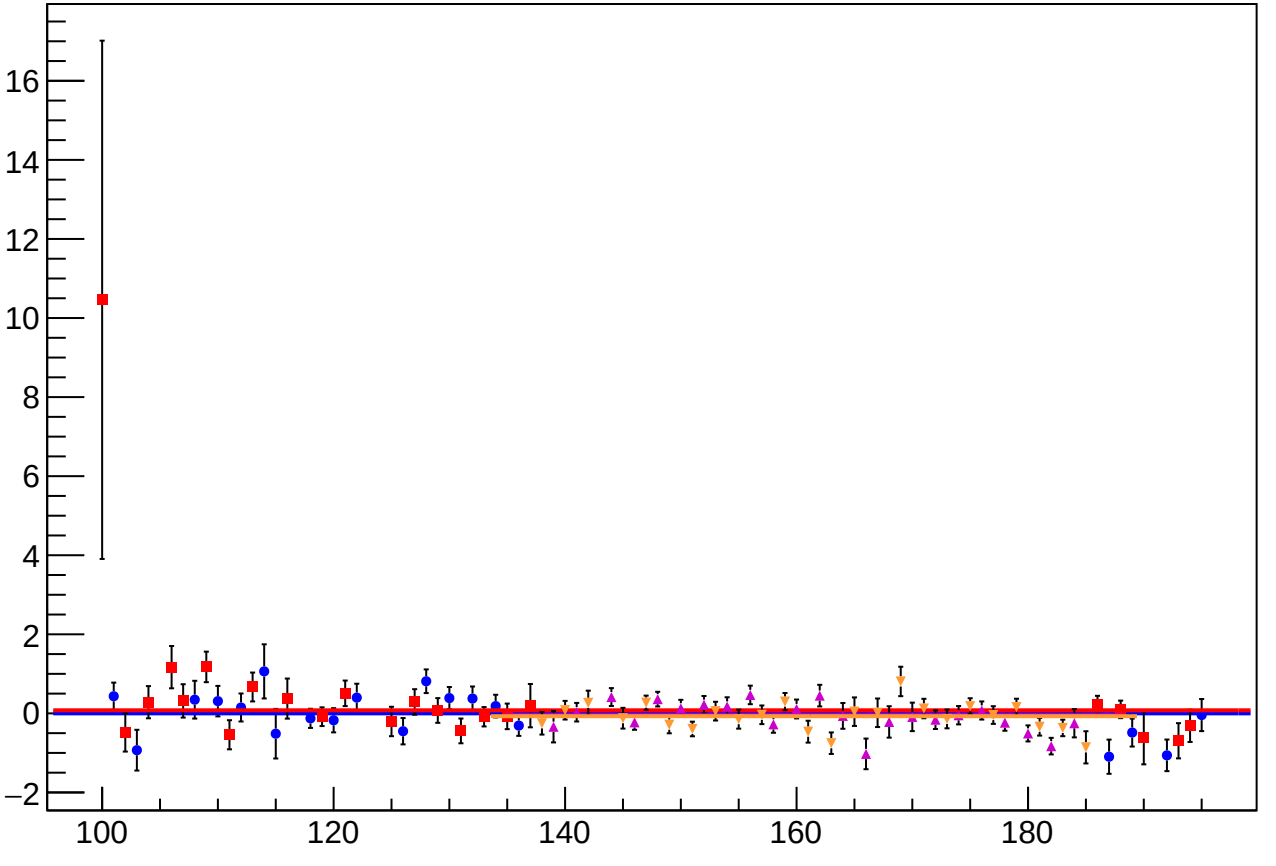
Right: -0.500+/-0.038 χ^2/NDF: 114.3/42

In: -0.243+/-0.042 χ^2/NDF:90.9/42

Out: -0.379+/-0.037 χ^2/NDF:139.5/46

All: -0.320+/-0.028 χ^2/NDF: 236.4/89

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.001+/-0.077 χ^2/NDF: 41.0/19

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.078+/-0.072 χ^2/NDF: 34.5/22

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

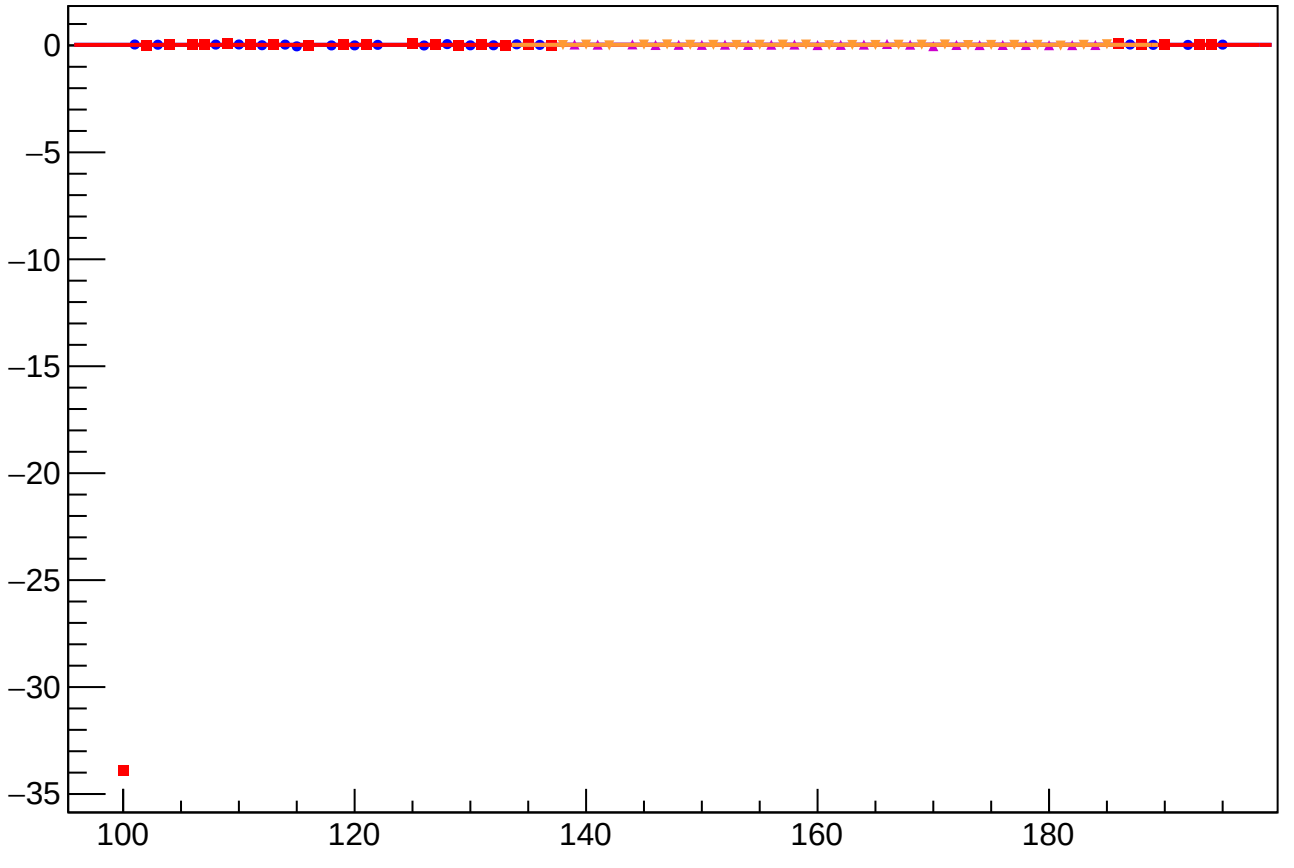
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.042+/-0.053 χ^2/NDF: 76.0/42

In: -0.033+/-0.042 χ^2/NDF:91.7/42

Out: -0.024+/-0.041 χ^2/NDF:75.2/46

All: -0.028+/-0.029 χ^2/NDF: 166.9/89



Right In: 0.028+/-0.004 χ^2/NDF: 15.5/19

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.025+/-0.004 χ^2/NDF: 22304.2/22

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

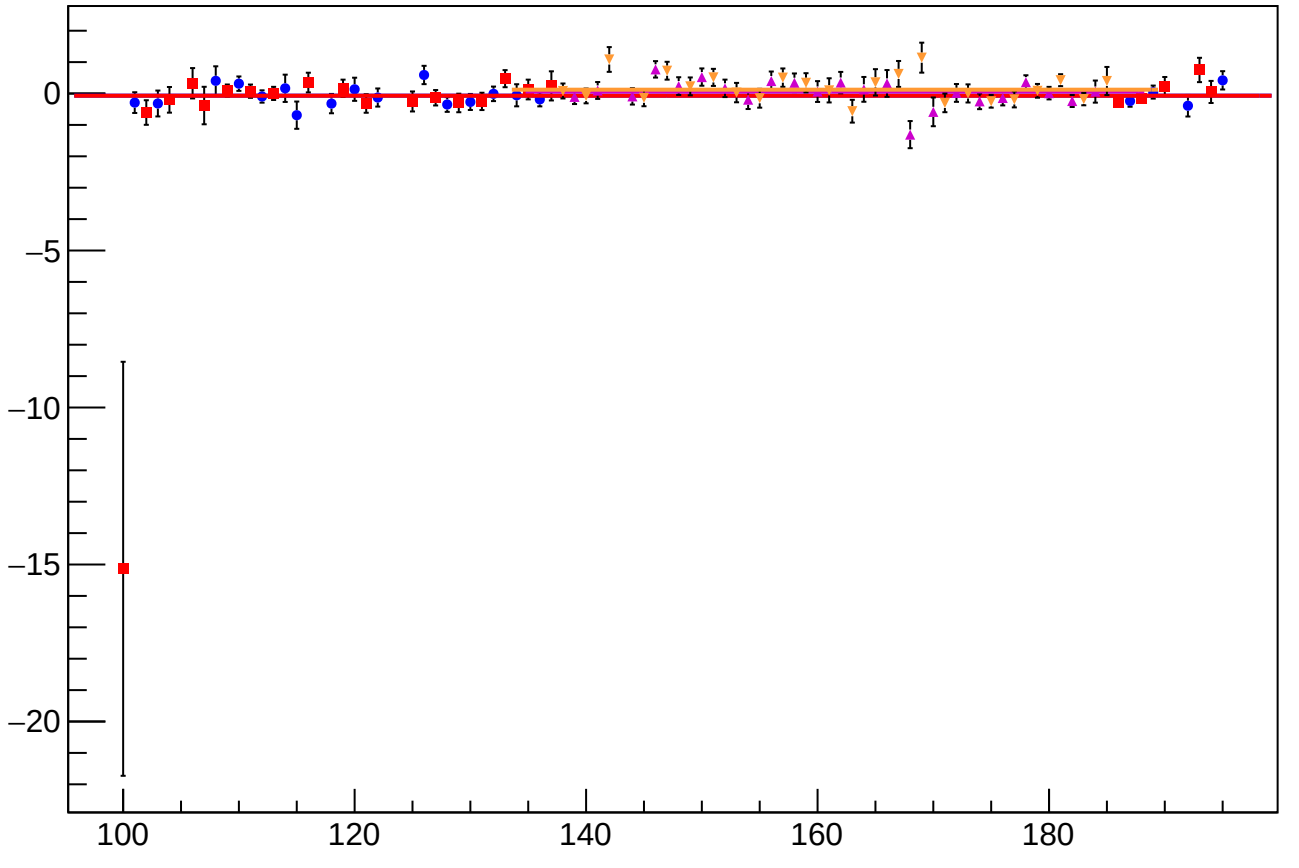
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.026+/-0.003 χ^2/NDF: 22320.1/42

In: 0.027+/-0.002 χ^2/NDF:55.2/42

Out: 0.026+/-0.002 χ^2/NDF:22335.8/46

All: 0.026+/-0.001 χ^2/NDF: 22391.0/89



Right In: -0.068+/-0.061 χ^2/NDF: 20.4/19

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.071+/-0.051 χ^2/NDF: 28.5/22

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

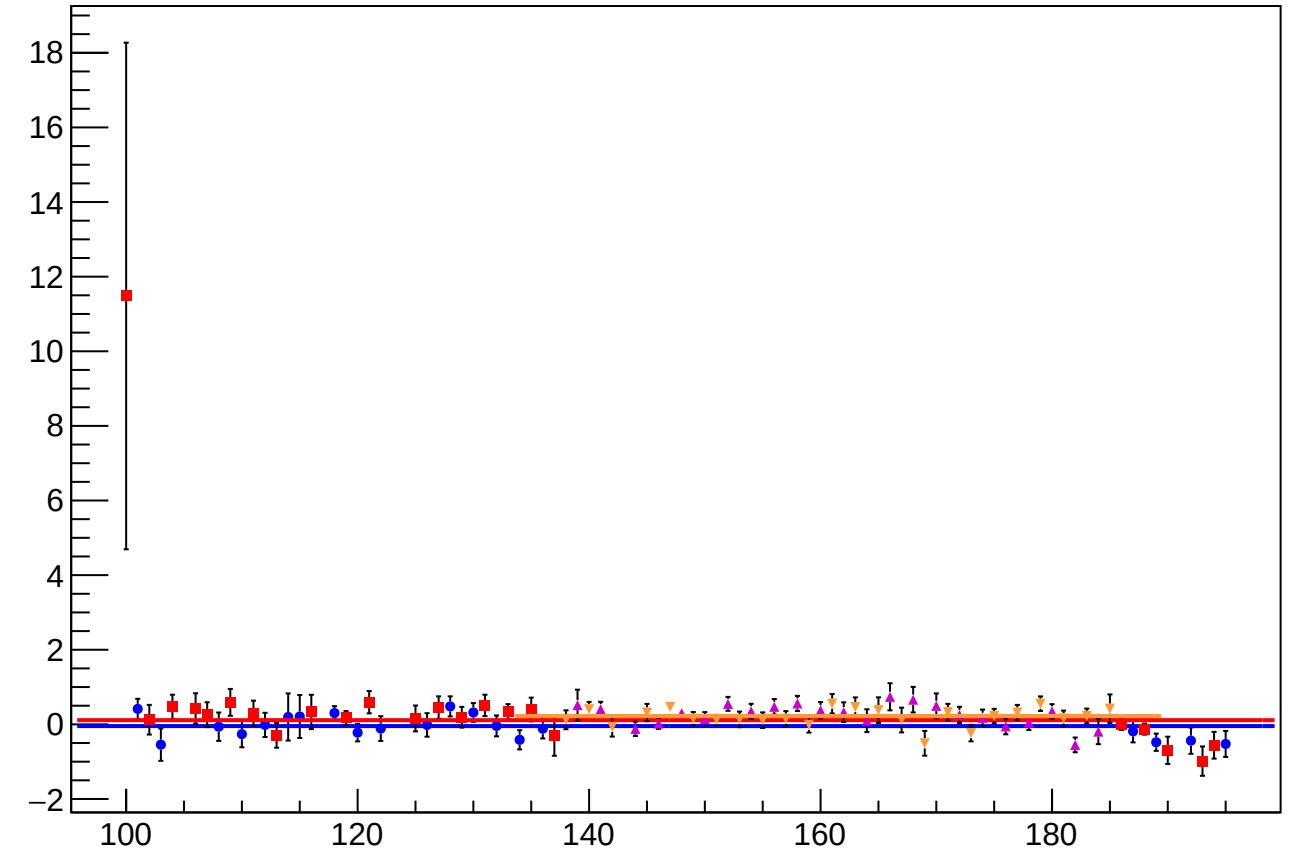
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.069+/-0.039 χ^2/NDF: 48.9/42

In: 0.001+/-0.042 χ^2/NDF:57.1/42

Out: 0.015+/-0.038 χ^2/NDF:74.5/46

All: 0.009+/-0.028 χ^2/NDF: 131.6/89



Right In: -0.046+/-0.065 χ^2/NDF: 24.1/19

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.113+/-0.058 χ^2/NDF: 36.5/22

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

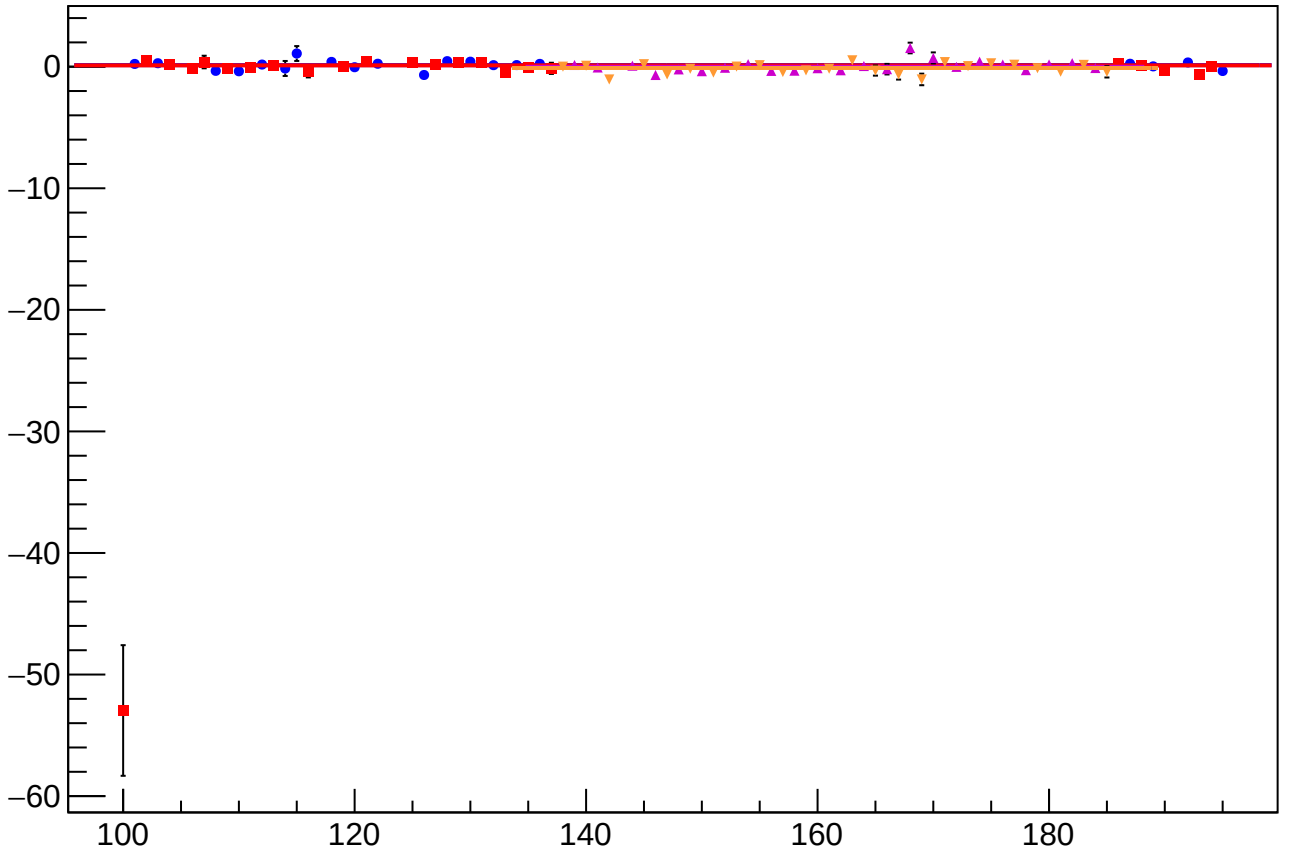
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: 0.043+/-0.044 χ^2/NDF: 63.8/42

In: 0.137+/-0.037 χ^2/NDF:74.8/42

Out: 0.185+/-0.035 χ^2/NDF:63.0/46

All: 0.163+/-0.025 χ^2/NDF: 138.7/89



Right In: 0.131+/-0.062 χ^2/NDF: 20.8/19

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.111+/-0.049 χ^2/NDF: 118.4/22

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

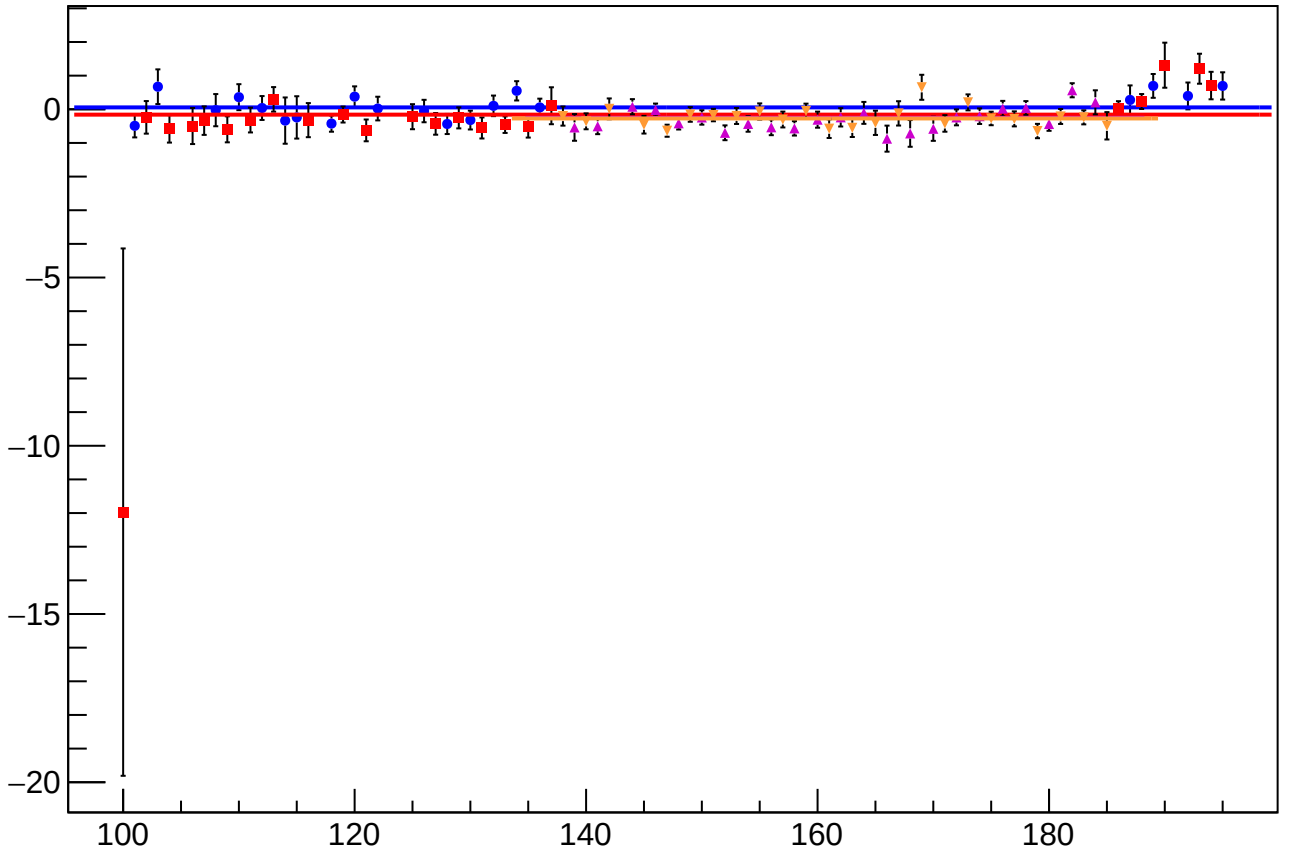
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.118+/-0.038 χ^2/NDF: 139.2/42

In: 0.055+/-0.042 χ^2/NDF:61.5/42

Out: 0.019+/-0.037 χ^2/NDF:164.4/46

All: 0.034+/-0.028 χ^2/NDF: 226.3/89



Right In: 0.056+/-0.077 χ^2/NDF: 24.5/19

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.159+/-0.072 χ^2/NDF: 36.8/22

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

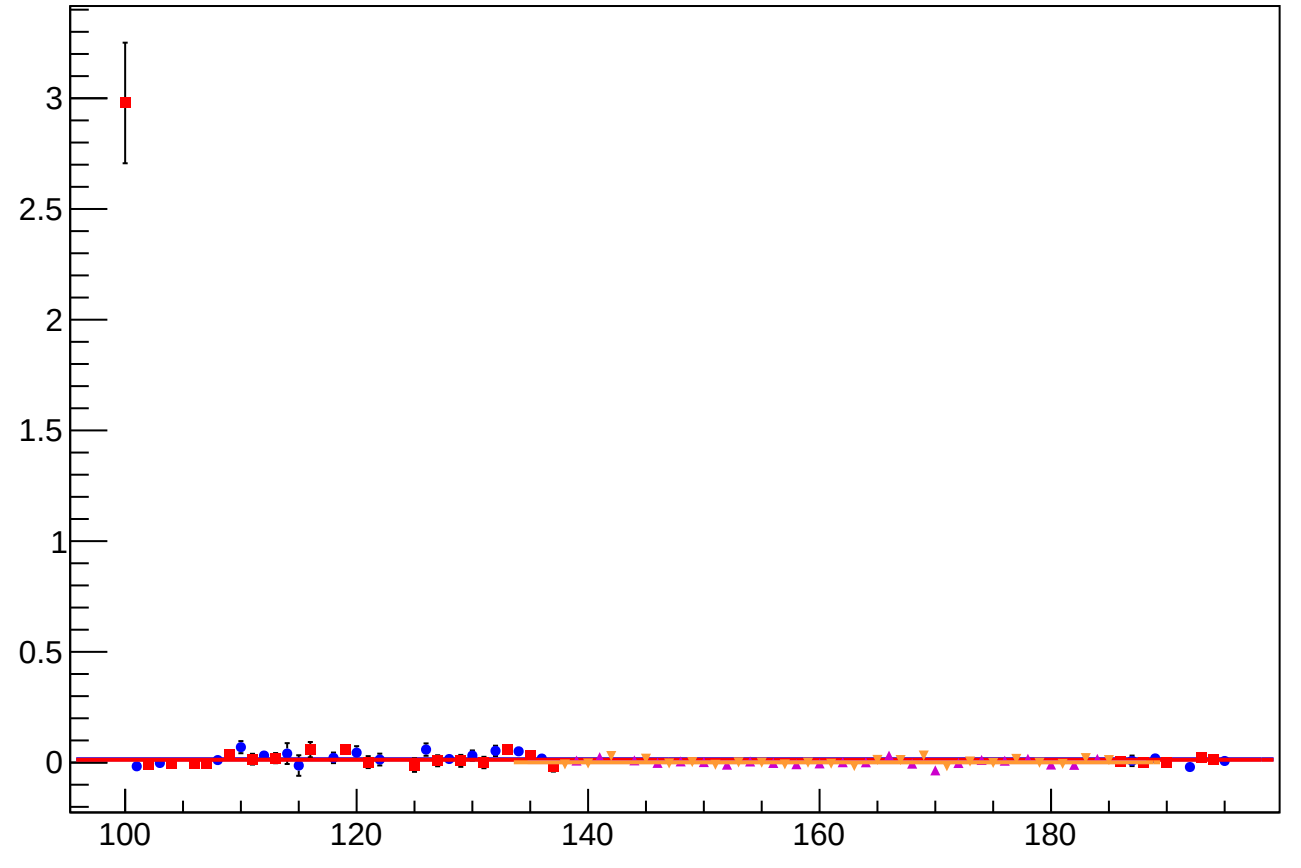
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.058+/-0.053 χ^2/NDF: 65.6/42

In: -0.162+/-0.042 χ^2/NDF:76.5/42

Out: -0.236+/-0.041 χ^2/NDF:63.3/46

All: -0.200+/-0.029 χ^2/NDF: 141.5/89



Right In: 0.015+/-0.004 χ^2/NDF: 32.5/19

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.013+/-0.004 χ^2/NDF: 143.2/22

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

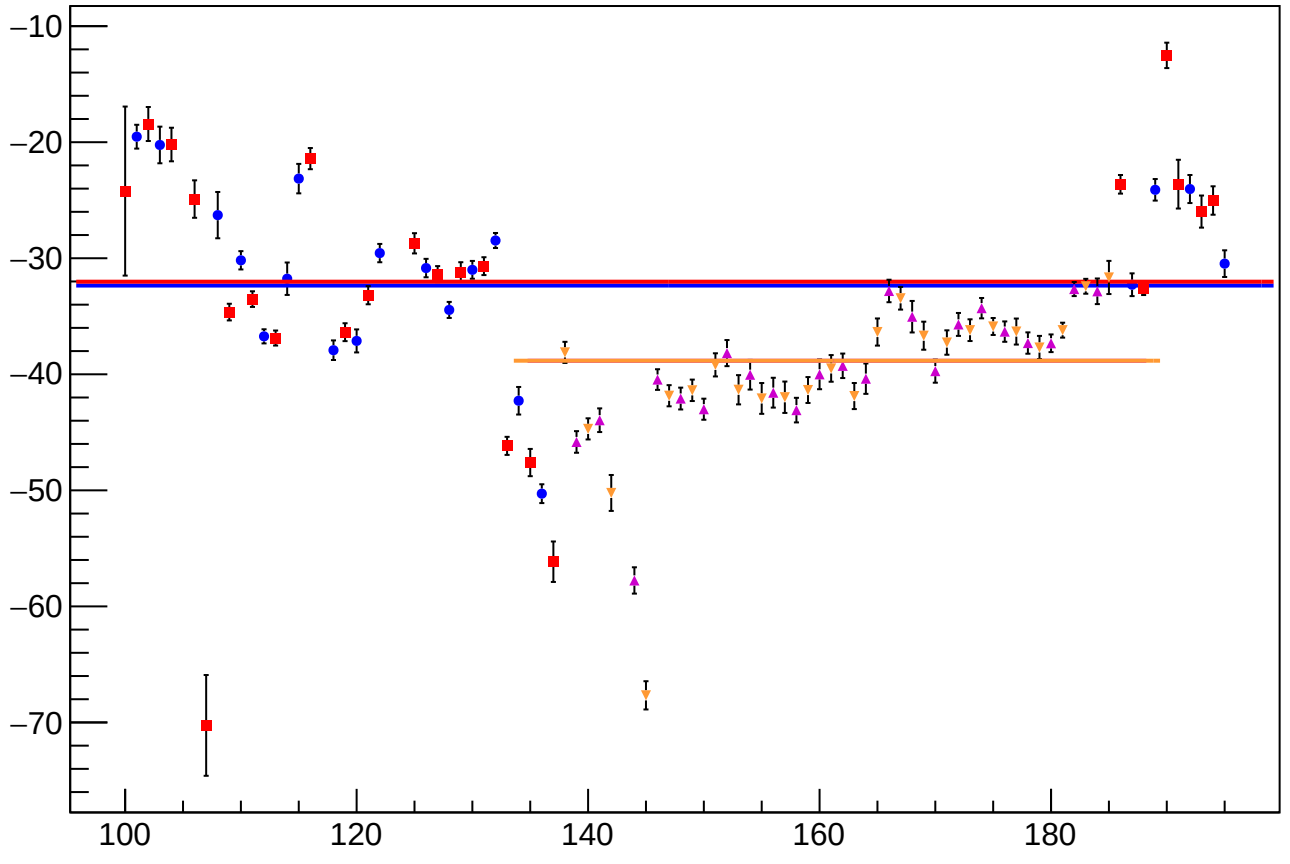
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.014+/-0.003 χ^2/NDF: 175.8/42

In: 0.005+/-0.002 χ^2/NDF:64.7/42

Out: 0.004+/-0.002 χ^2/NDF:176.5/46

All: 0.005+/-0.001 χ^2/NDF: 241.4/89



Right In: -32.353+/-0.201 χ^2/NDF: 1156.0/19

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -32.019+/-0.186 χ^2/NDF: 1707.5/23

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

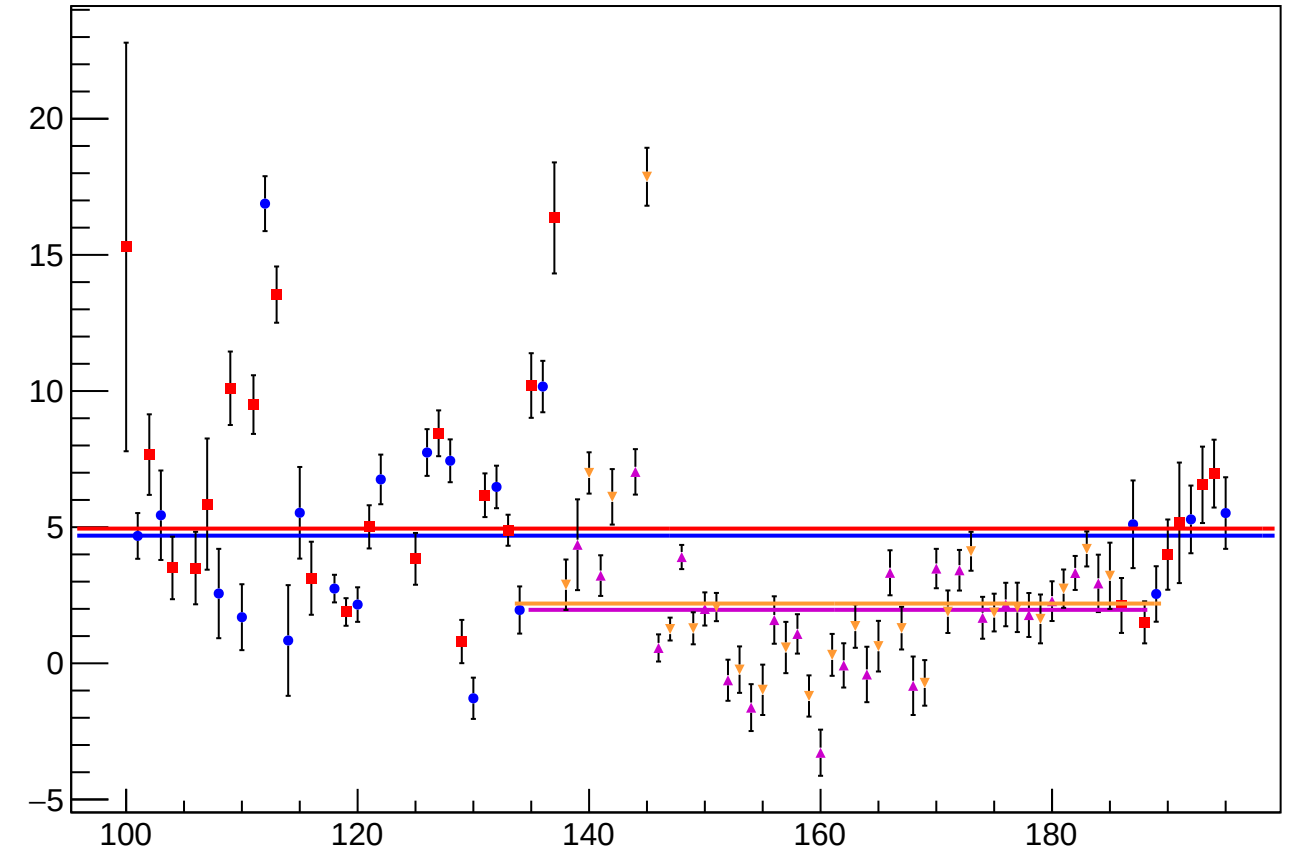
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -32.173+/-0.137 χ^2/NDF: 2865.0/43

In: -35.561+/-0.143 χ^2/NDF:2323.0/42

Out: -35.150+/-0.137 χ^2/NDF:3238.1/47

All: -35.347+/-0.099 χ^2/NDF: 5565.4/90



Right In: 4.689+/-0.207 χ^2/NDF: 334.8/19

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.948+/-0.201 χ^2/NDF: 279.6/23

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

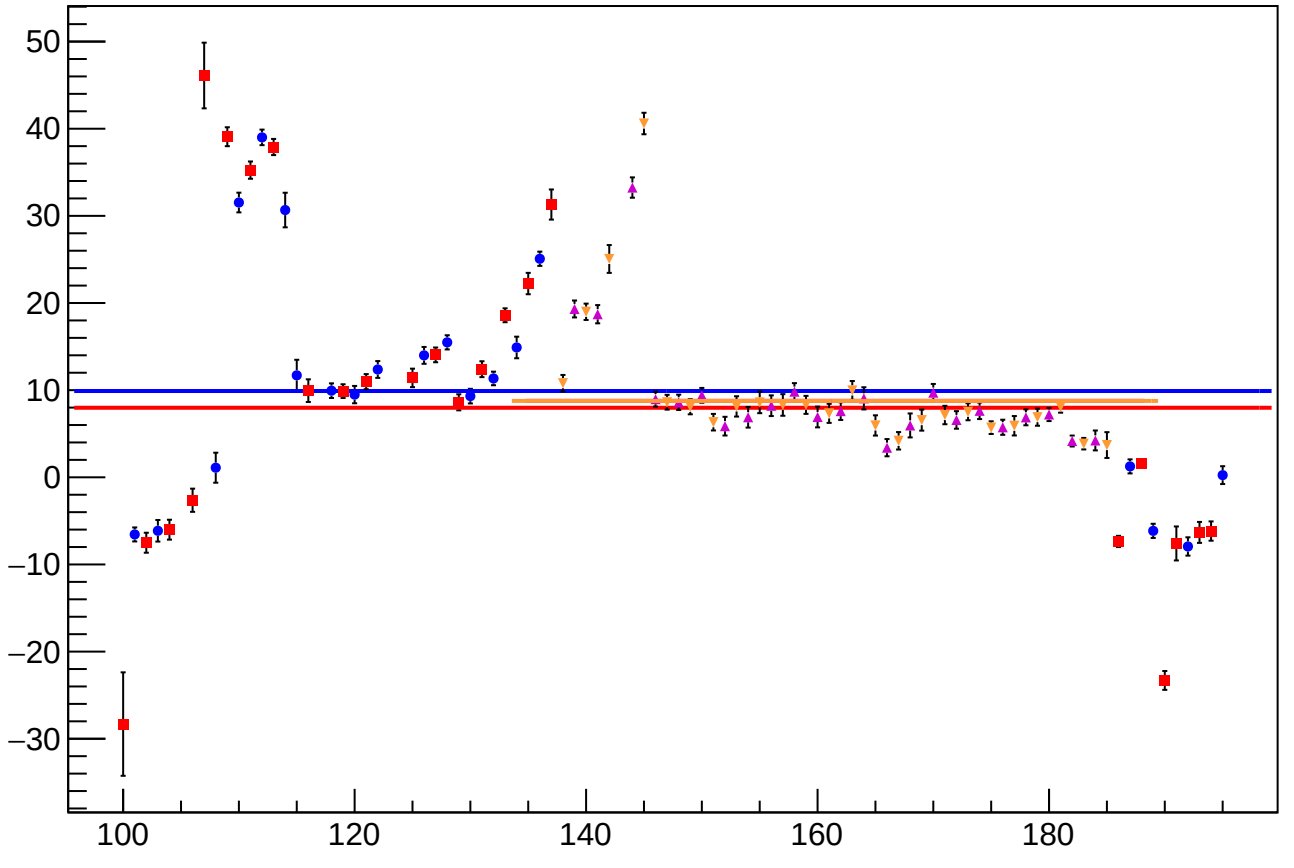
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.822+/-0.144 χ^2/NDF: 615.2/43

In: 2.942+/-0.124 χ^2/NDF:619.3/42

Out: 3.196+/-0.121 χ^2/NDF:763.7/47

All: 3.071+/-0.087 χ^2/NDF: 1385.1/90



Right In: 9.902+/-0.216 χ^2/NDF: 3474.2/19

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 7.981+/-0.196 χ^2/NDF: 5738.5/23

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

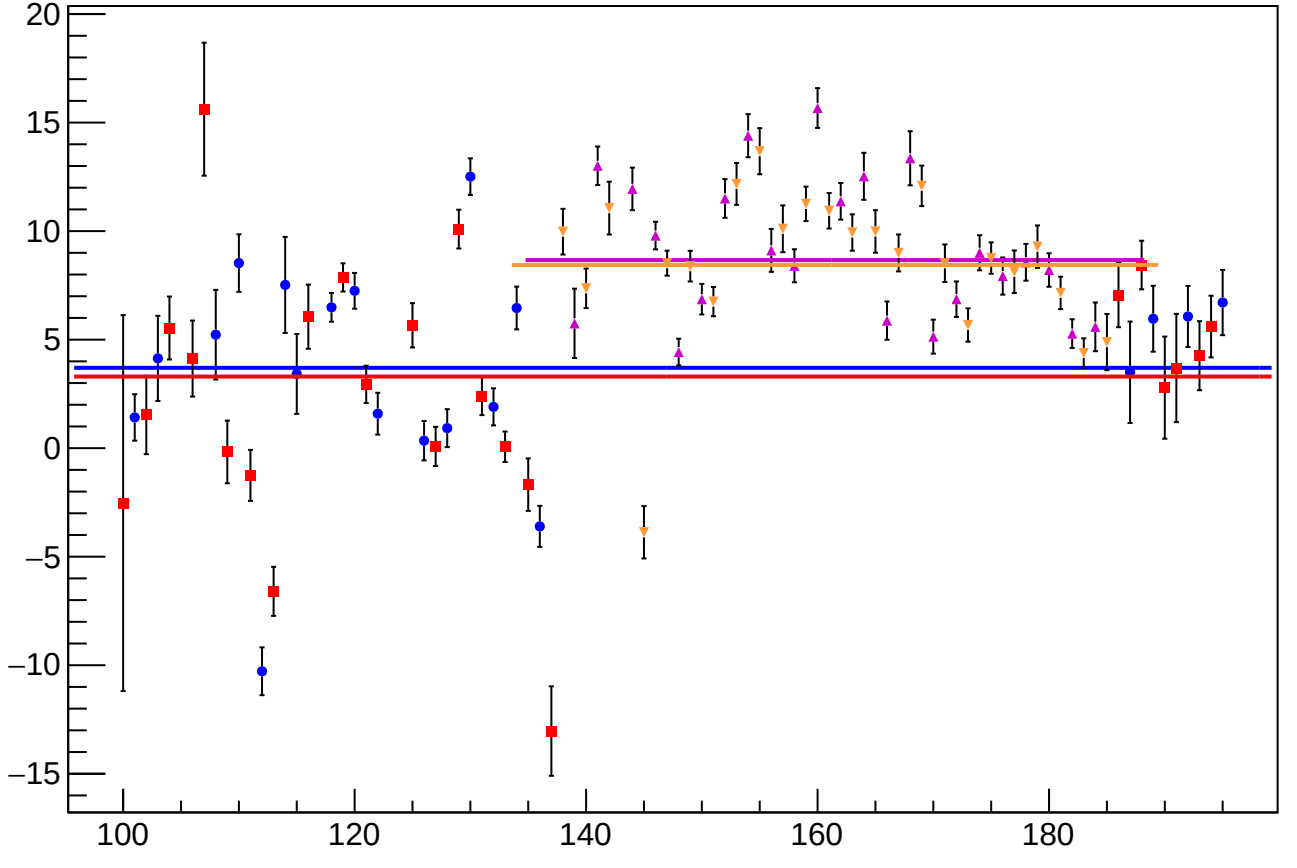
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 8.846+/-0.145 χ^2/NDF: 9256.0/43

In: 9.297+/-0.147 χ^2/NDF:4283.8/42

Out: 8.364+/-0.140 χ^2/NDF:6781.7/47

All: 8.807+/-0.102 χ^2/NDF: 11086.6/90



Right In: 3.702+/-0.242 χ^2/NDF: 437.5/19

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.300+/-0.238 χ^2/NDF: 379.4/23

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

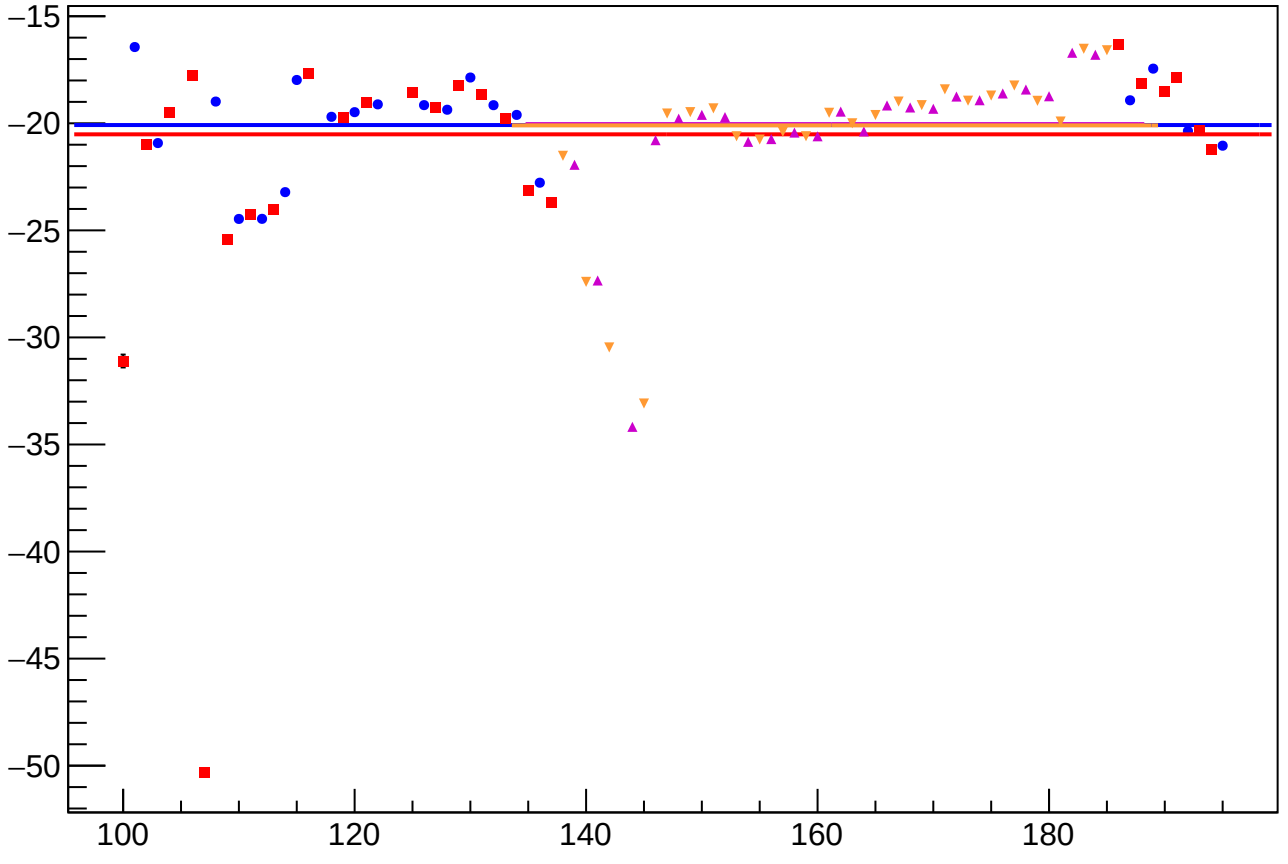
Right: 3.499+/-0.170 χ^2/NDF: 818.2/43

In: 6.951+/-0.142 χ^2/NDF:1018.1/42

Out: 6.661+/-0.140 χ^2/NDF:947.7/47

All: 6.804+/-0.100 χ^2/NDF: 1967.9/90

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.081+/-0.014 χ^2/NDF: 22441.8/19

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.515+/-0.013 χ^2/NDF: 64854.3/23

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

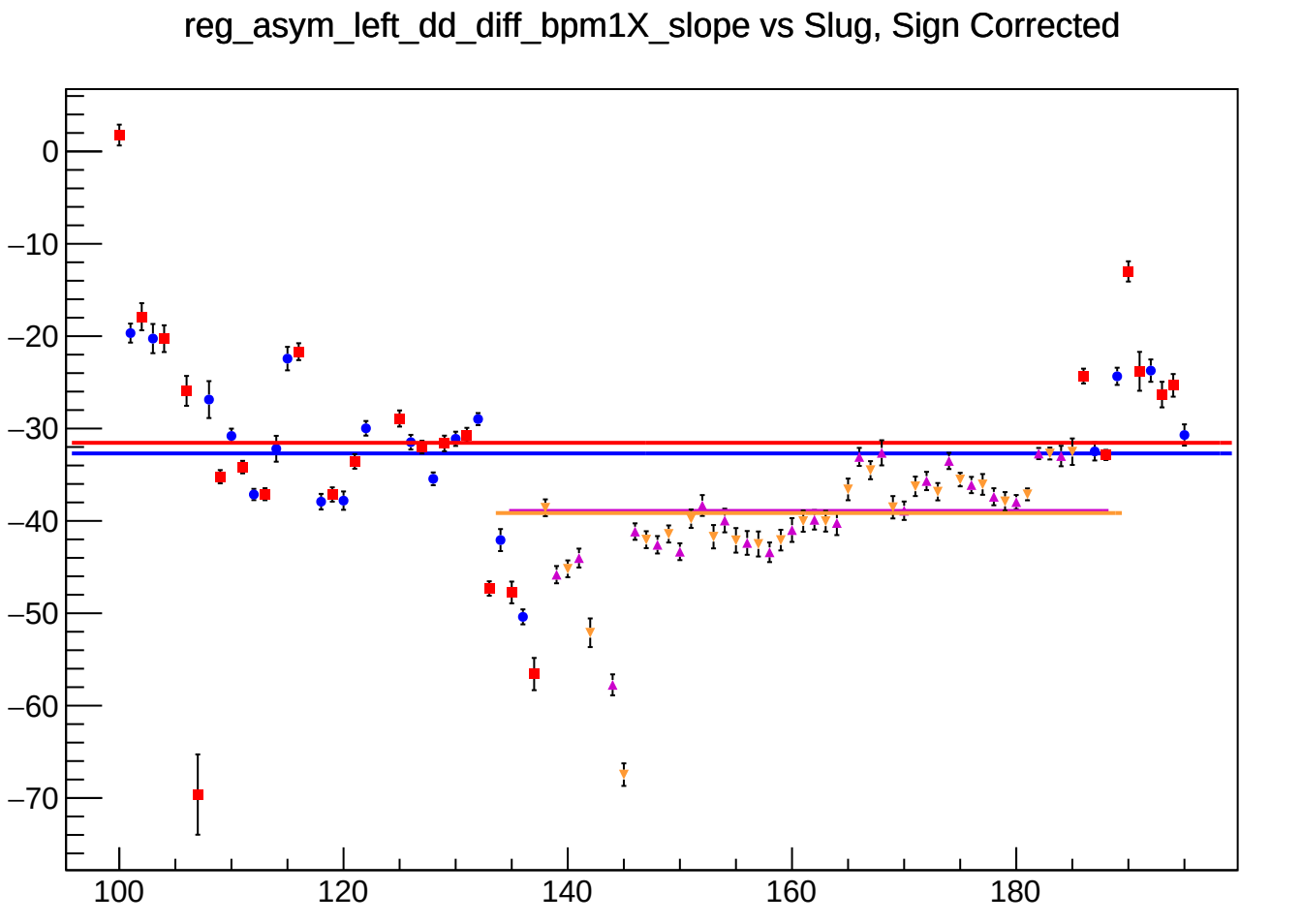
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

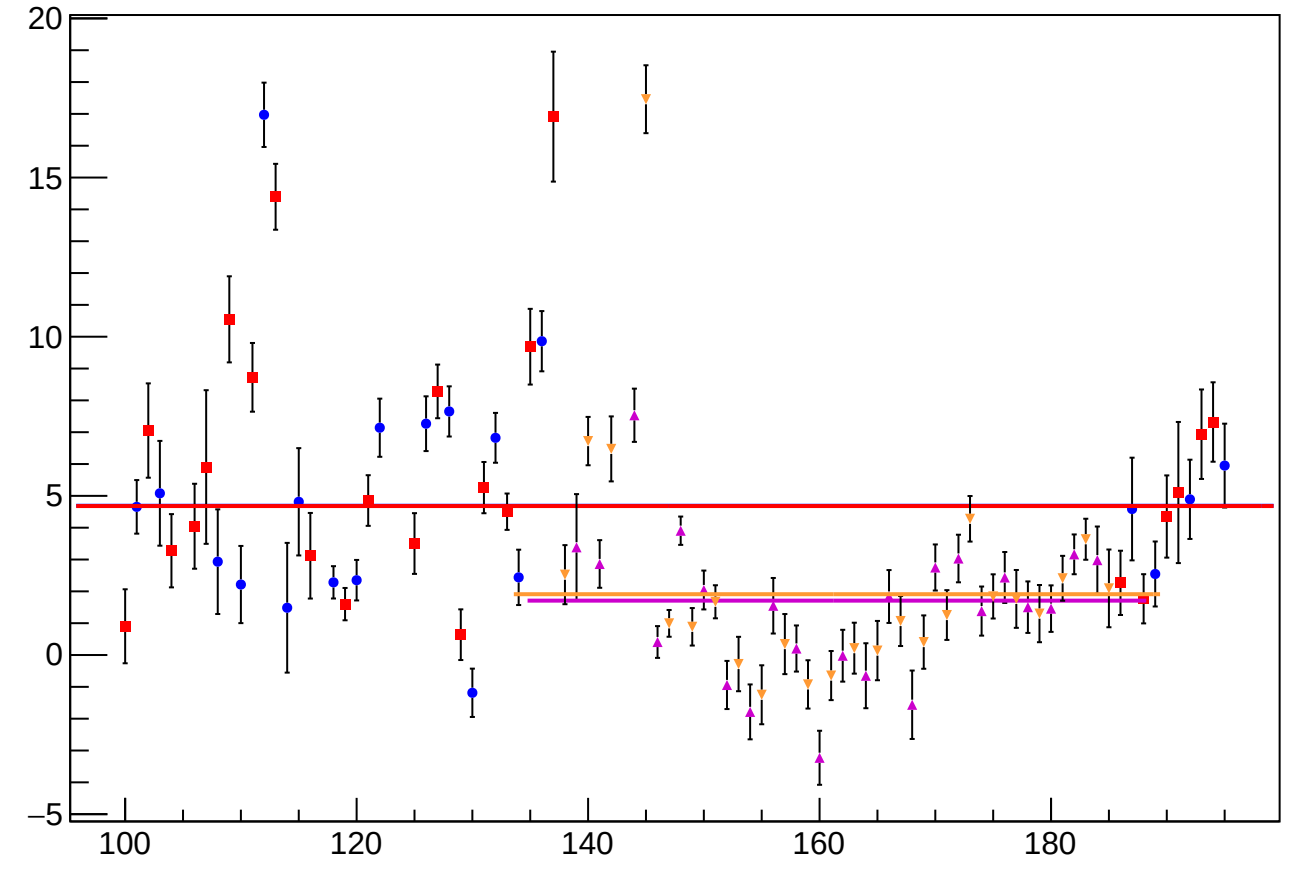
Right: -20.305+/-0.010 χ^2/NDF: 87805.5/43

In: -20.048+/-0.007 χ^2/NDF:154741.1/42

Out: -20.205+/-0.007 χ^2/NDF:224873.3/47

All: -20.127+/-0.005 χ^2/NDF: 379875.9/90


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
Right In: -32.695+/-0.202 χ²/NDF: 1161.4/19
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.545+/-0.184 χ²/NDF: 2640.0/23
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -32.068+/-0.136 χ²/NDF: 3819.1/43
In: -35.776+/-0.143 χ²/NDF:2317.4/42
Out: -34.991+/-0.136 χ²/NDF:4310.0/47
All: -35.364+/-0.099 χ²/NDF: 6643.1/90



Right In: 4.689+/-0.207 χ^2/NDF: 331.1/19

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.680+/-0.199 χ^2/NDF: 301.1/23

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

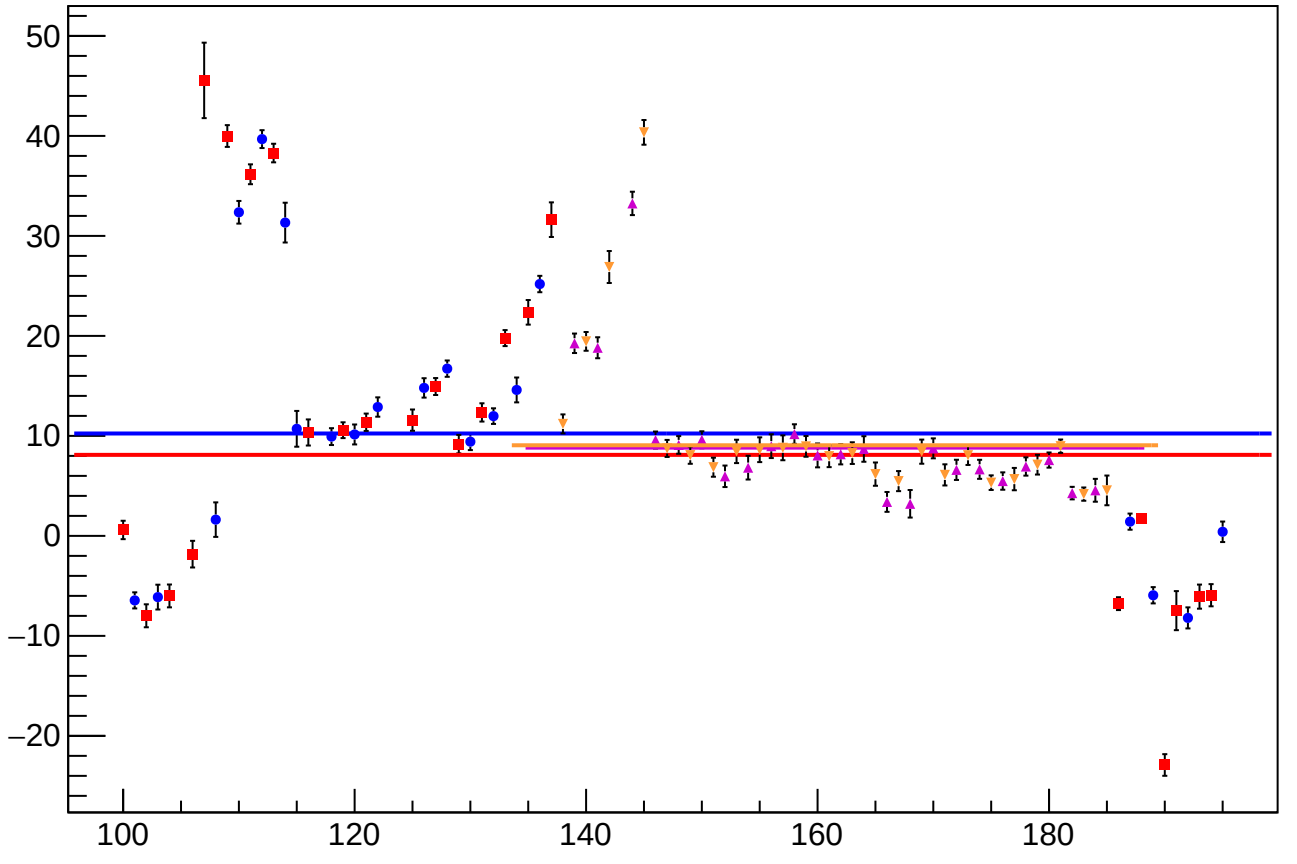
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.684+/-0.143 χ^2/NDF: 632.3/43

In: 2.778+/-0.124 χ^2/NDF:646.3/42

Out: 2.936+/-0.121 χ^2/NDF:782.6/47

All: 2.859+/-0.087 χ^2/NDF: 1429.7/90



Right In: 10.240+/-0.217 χ^2/NDF: 3565.6/19

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 8.102+/-0.192 χ^2/NDF: 5860.1/23

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

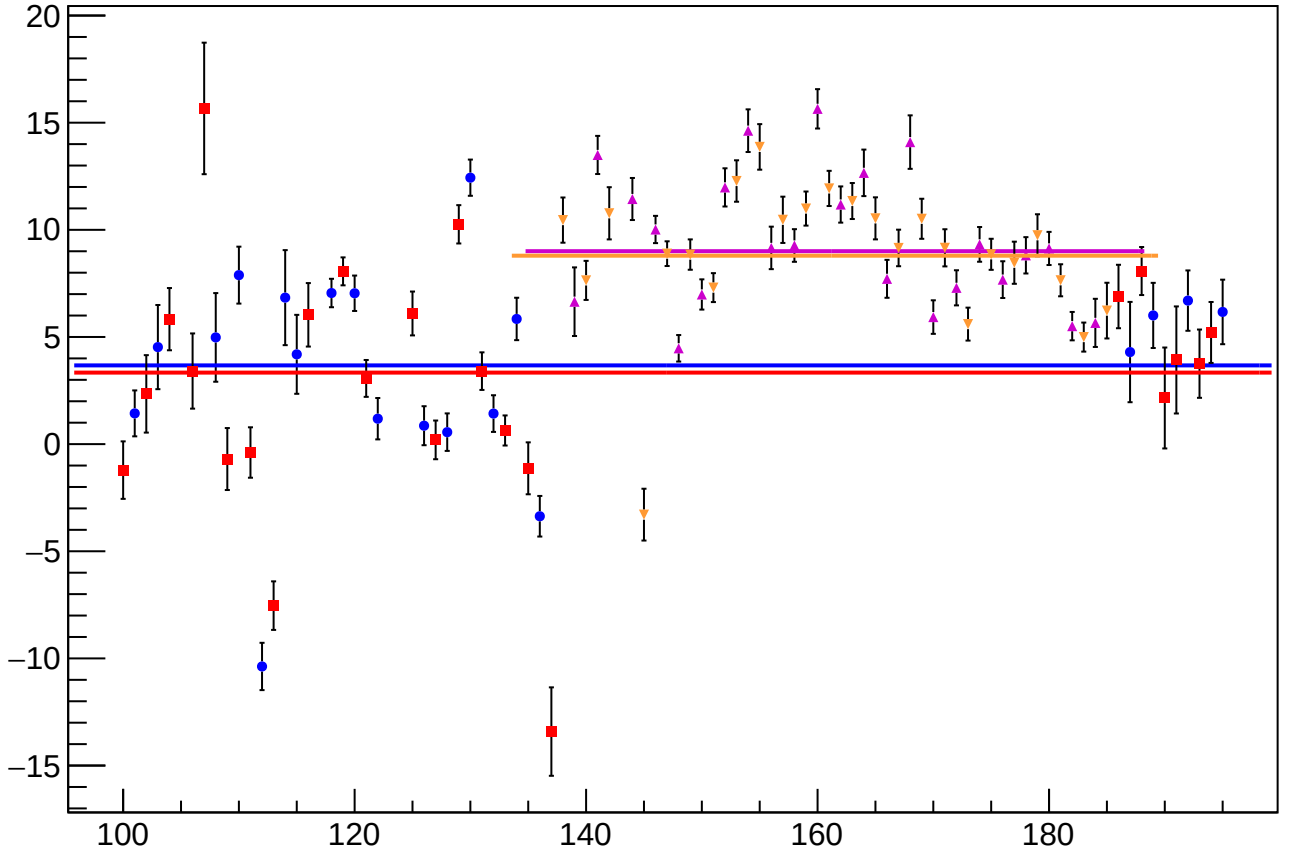
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 9.041+/-0.144 χ^2/NDF: 9480.1/43

In: 9.482+/-0.148 χ^2/NDF:4389.7/42

Out: 8.560+/-0.139 χ^2/NDF:6905.4/47

All: 8.992+/-0.101 χ^2/NDF: 11315.9/90



Right In: 3.674+/-0.242 χ^2/NDF: 434.7/19

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.337+/-0.235 χ^2/NDF: 396.1/23

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

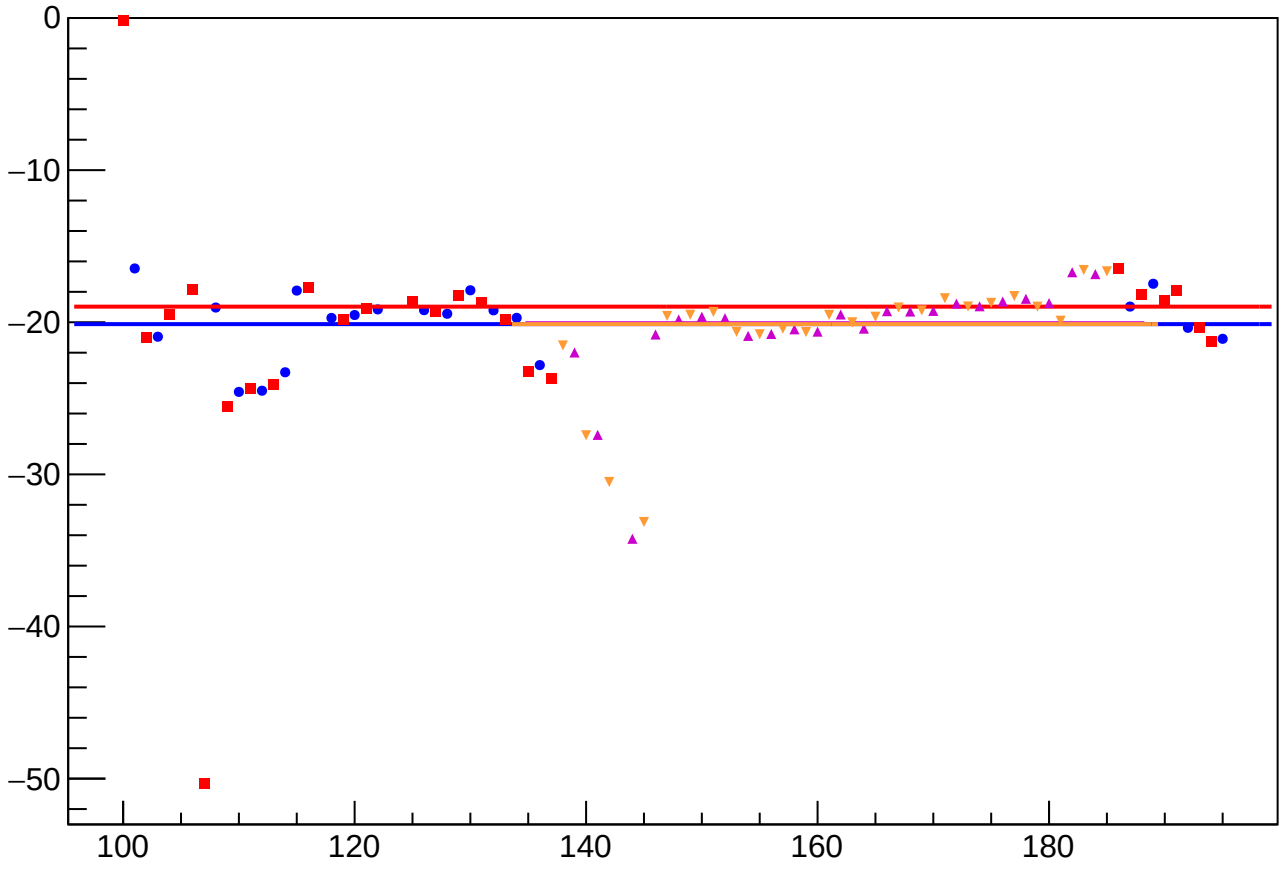
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.501+/-0.169 χ^2/NDF: 831.7/43

In: 7.163+/-0.142 χ^2/NDF:1041.0/42

Out: 6.866+/-0.140 χ^2/NDF:987.9/47

All: 7.012+/-0.100 χ^2/NDF: 2031.2/90



Right In: -20.123+/-0.014 χ^2/NDF: 22480.5/19

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.974+/-0.013 χ^2/NDF: 239921.3/23

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

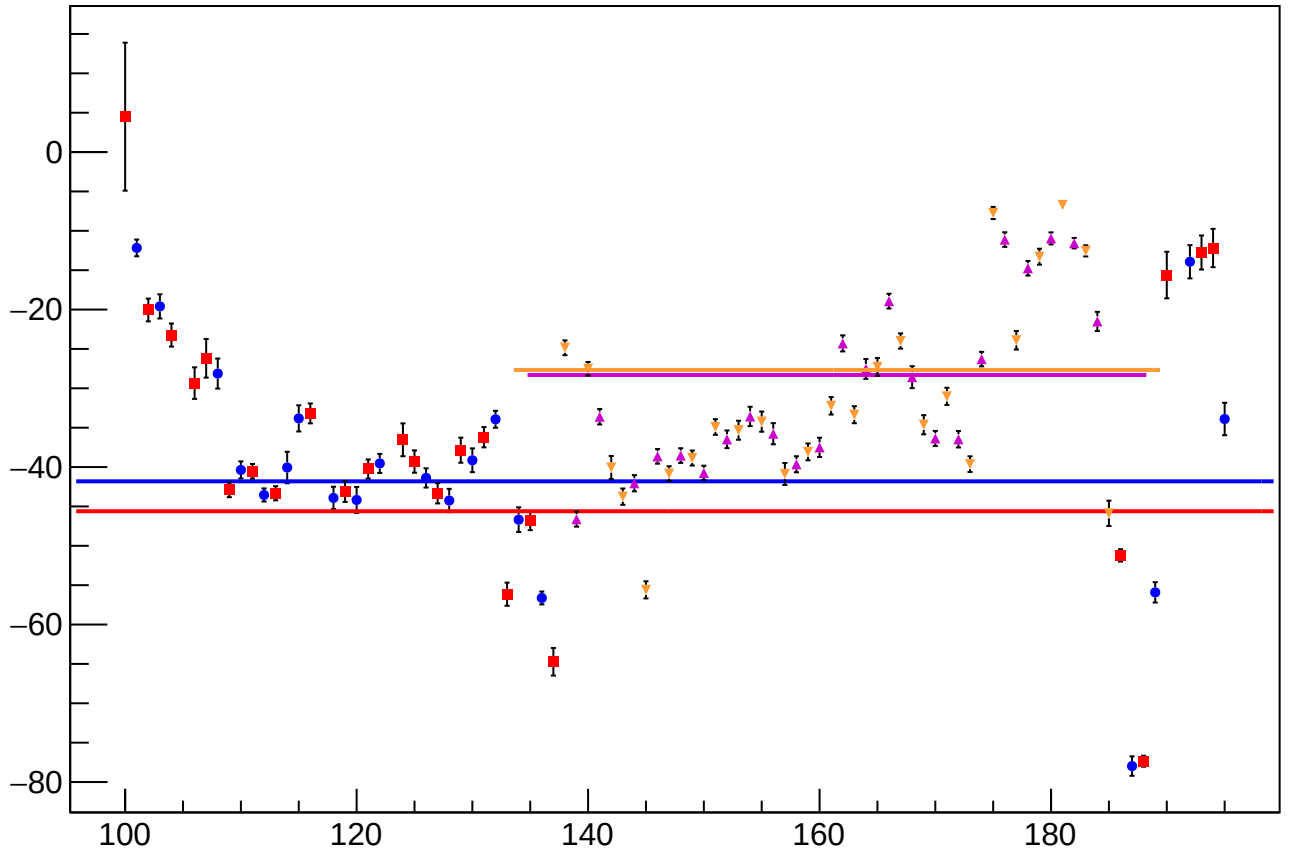
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.509+/-0.009 χ^2/NDF: 266097.3/43

In: -20.078+/-0.007 χ^2/NDF:155184.5/42

Out: -19.808+/-0.007 χ^2/NDF:404257.5/47

All: -19.941+/-0.005 χ^2/NDF: 560226.8/90



Right In: -41.812+/-0.288 χ^2/NDF: 2639.3/19

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -45.612+/-0.260 χ^2/NDF: 3813.4/23

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

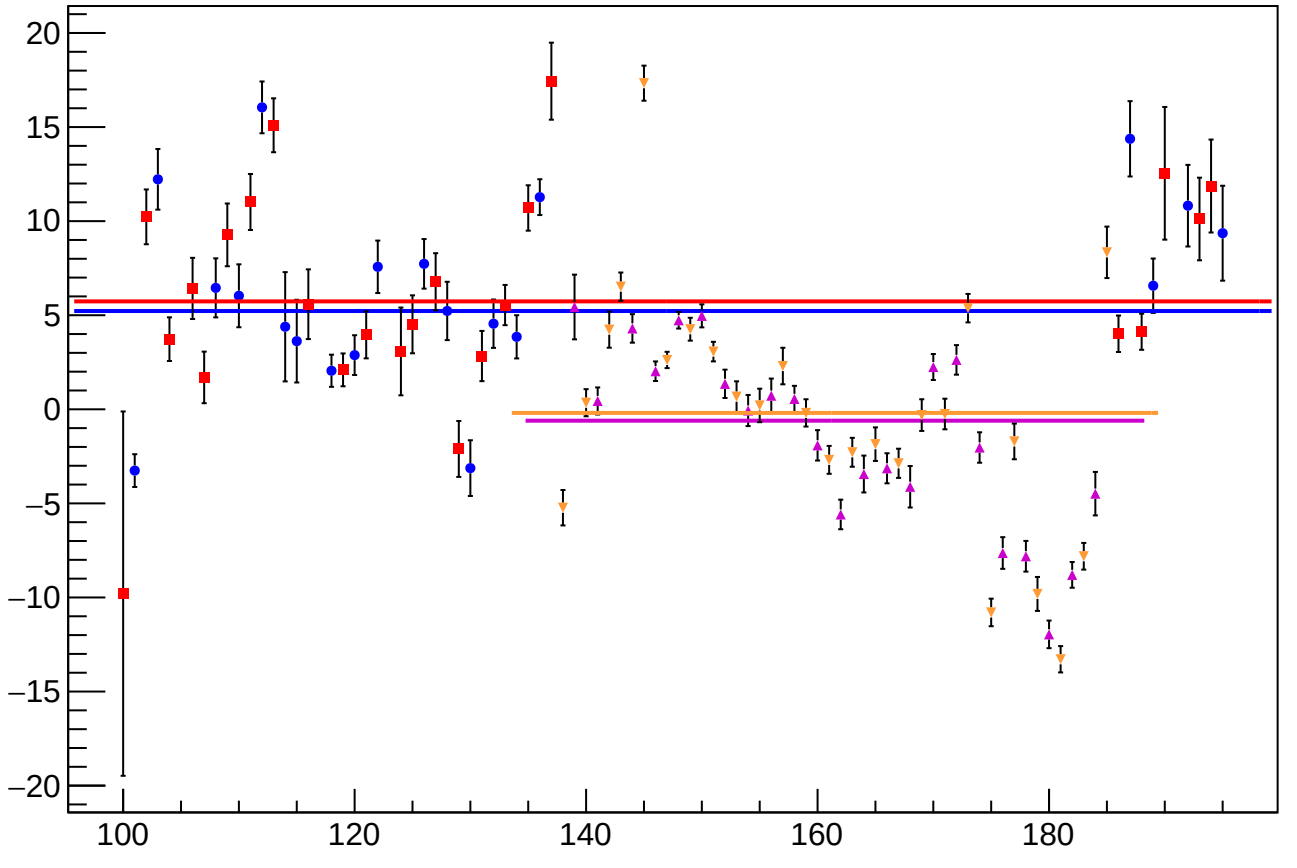
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -43.903+/-0.193 χ^2/NDF: 6548.8/43

In: -32.874+/-0.167 χ^2/NDF:7371.4/42

Out: -34.356+/-0.159 χ^2/NDF:11196.7/48

All: -33.654+/-0.115 χ^2/NDF: 18609.4/91



Right In: 5.223+/-0.300 χ^2/NDF: 307.2/19

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.736+/-0.287 χ^2/NDF: 207.6/23

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

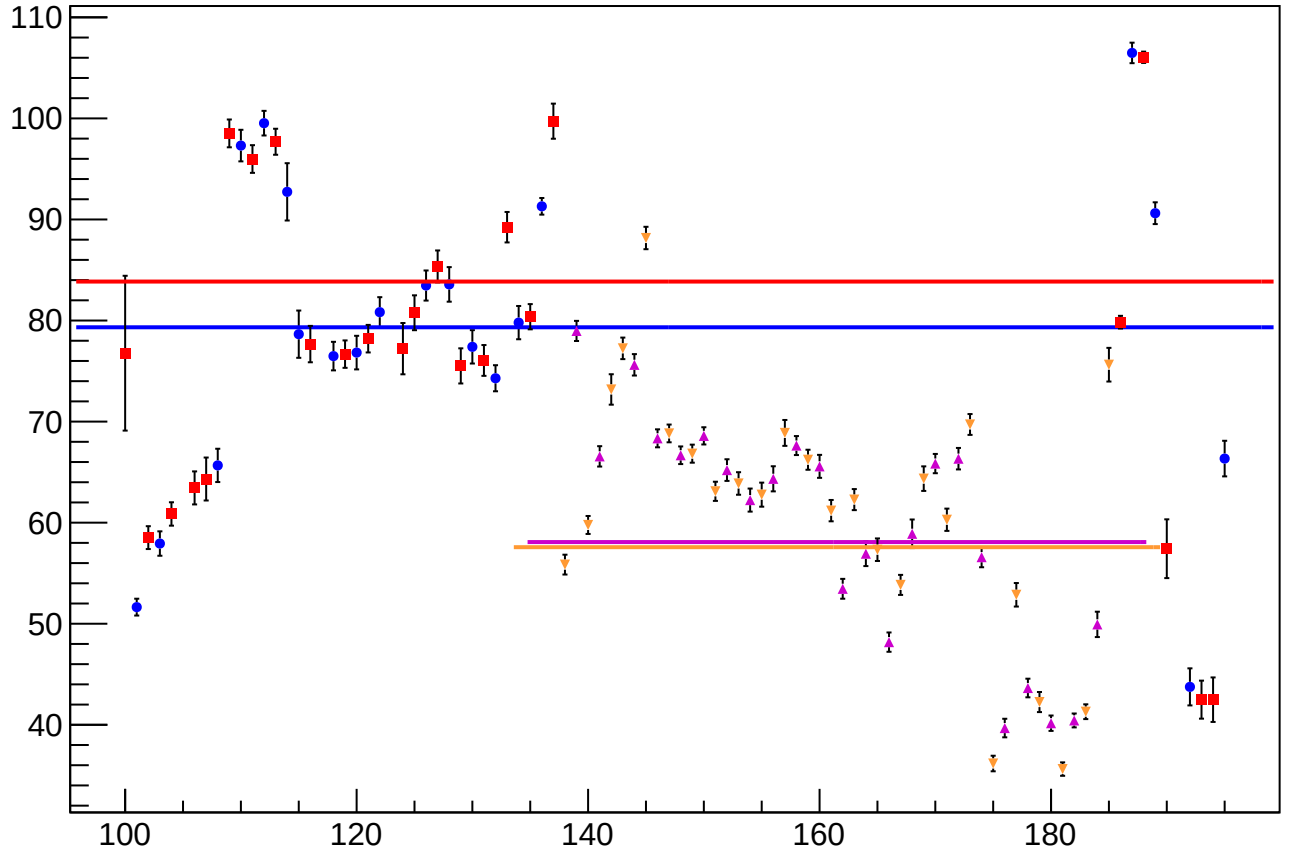
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.491+/-0.207 χ^2/NDF: 516.4/43

In: 0.626+/-0.138 χ^2/NDF:1579.7/42

Out: 1.081+/-0.133 χ^2/NDF:2087.8/48

All: 0.861+/-0.096 χ^2/NDF: 3673.2/91



Right In: 79.332+/-0.298 χ^2/NDF: 3424.8/19

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 83.856+/-0.262 χ^2/NDF: 4205.3/23

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

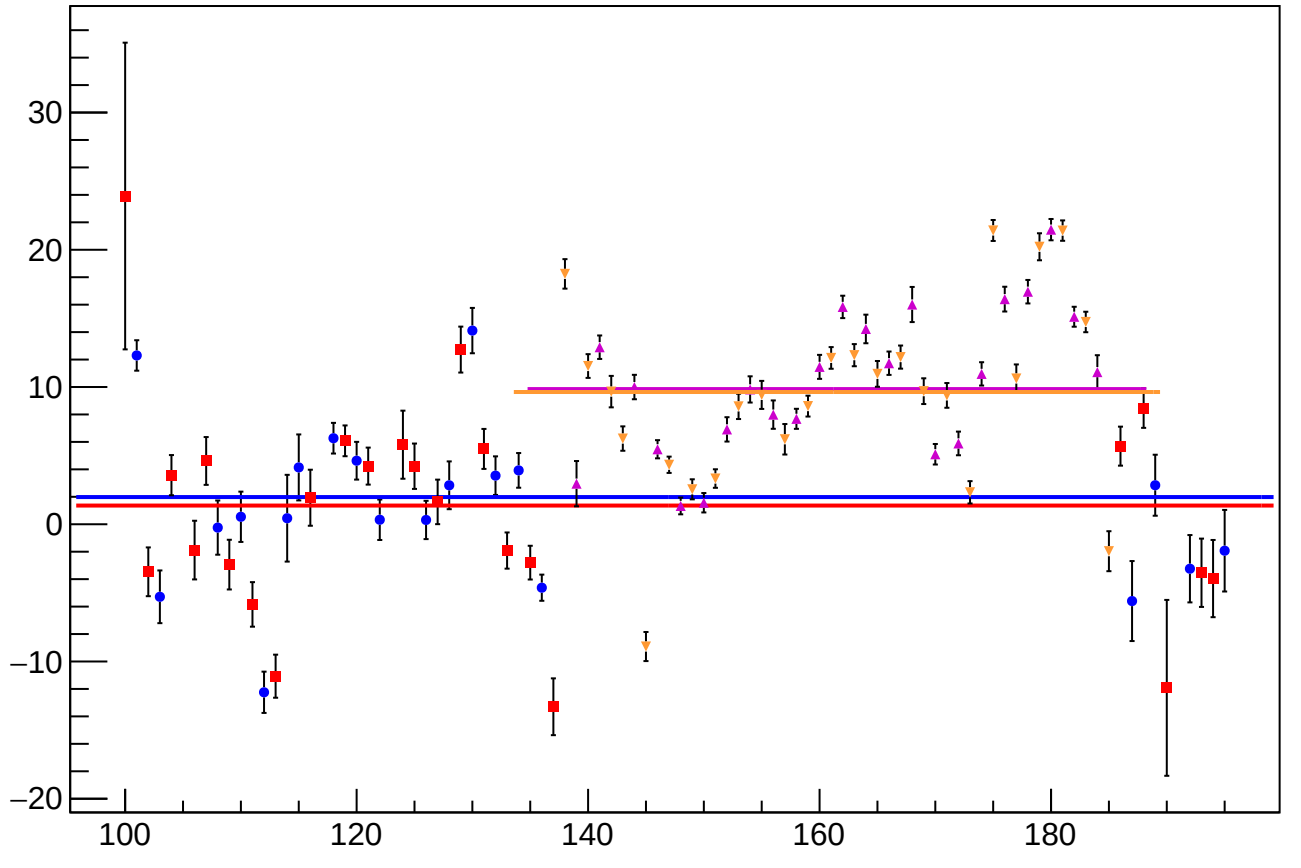
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

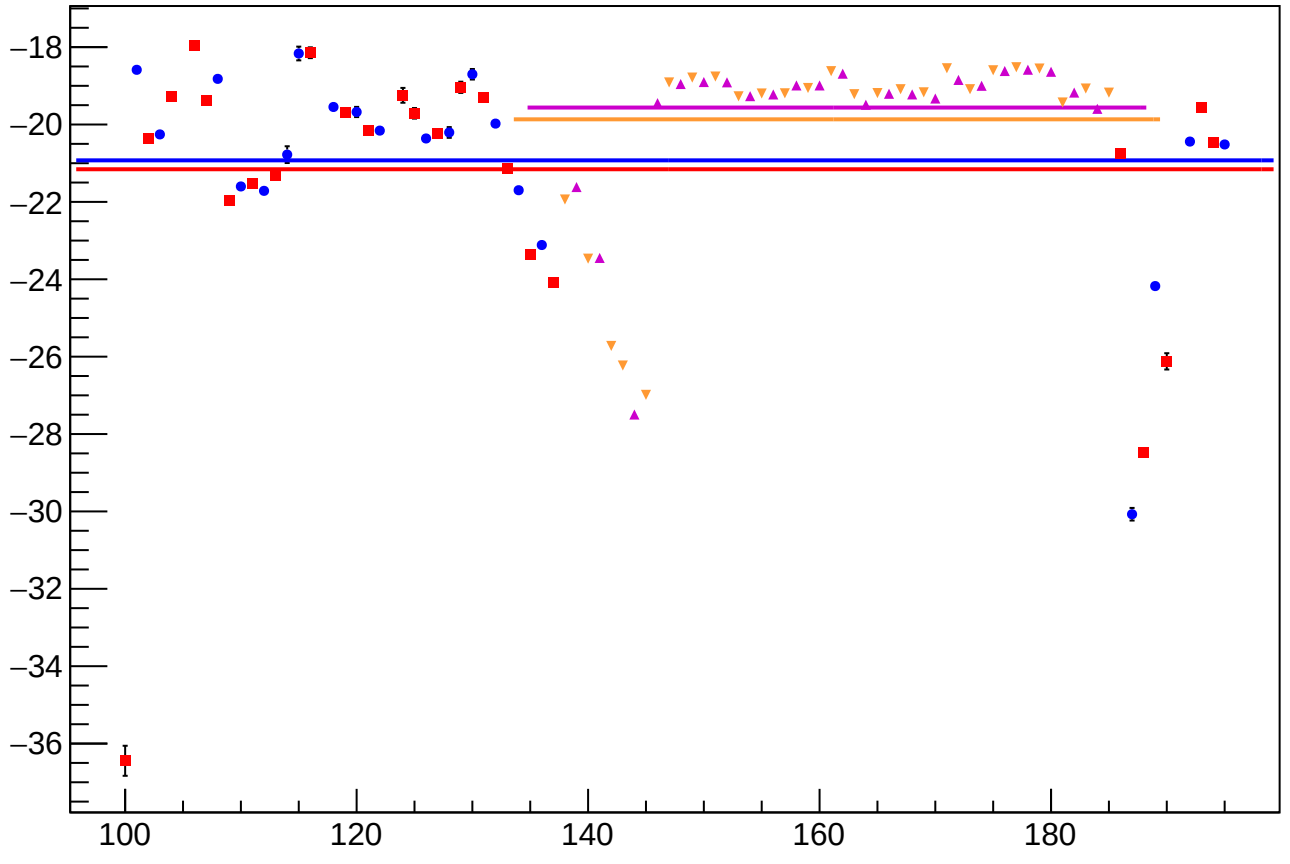
Right: 81.887+/-0.197 χ^2/NDF: 7760.3/43

In: 64.839+/-0.168 χ^2/NDF:10453.2/42

Out: 67.206+/-0.158 χ^2/NDF:15285.4/48

All: 66.092+/-0.115 χ^2/NDF: 25843.7/91


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
Right In: 1.981+/-0.350 χ²/NDF: 333.3/19
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 1.362+/-0.343 χ²/NDF: 303.5/23
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 1.665+/-0.245 χ²/NDF: 638.4/43
In: 8.253+/-0.157 χ²/NDF:1730.3/42
Out: 7.981+/-0.153 χ²/NDF:2261.1/48
All: 8.113+/-0.110 χ²/NDF: 3992.9/91



Right In: -20.926+/-0.018 χ^2/NDF: 11906.7/19

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.156+/-0.018 χ^2/NDF: 19828.6/23

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

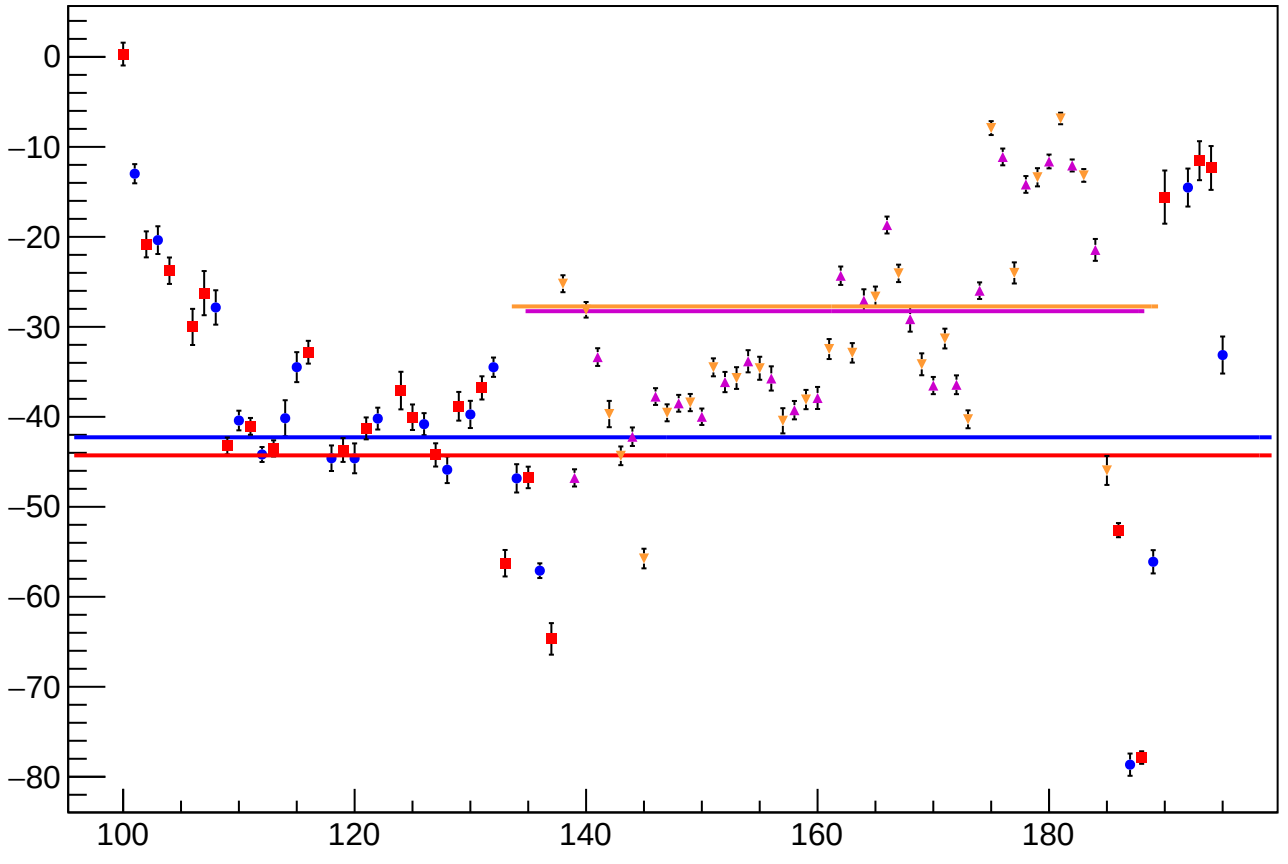
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -21.041+/-0.013 χ^2/NDF: 31816.5/43

In: -19.783+/-0.007 χ^2/NDF:61859.4/42

Out: -20.071+/-0.007 χ^2/NDF:103004.6/48

All: -19.929+/-0.005 χ^2/NDF: 165653.4/91



Right In: -42.274+/-0.288 χ^2/NDF: 2626.3/19

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -44.284+/-0.255 χ^2/NDF: 5104.3/23

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

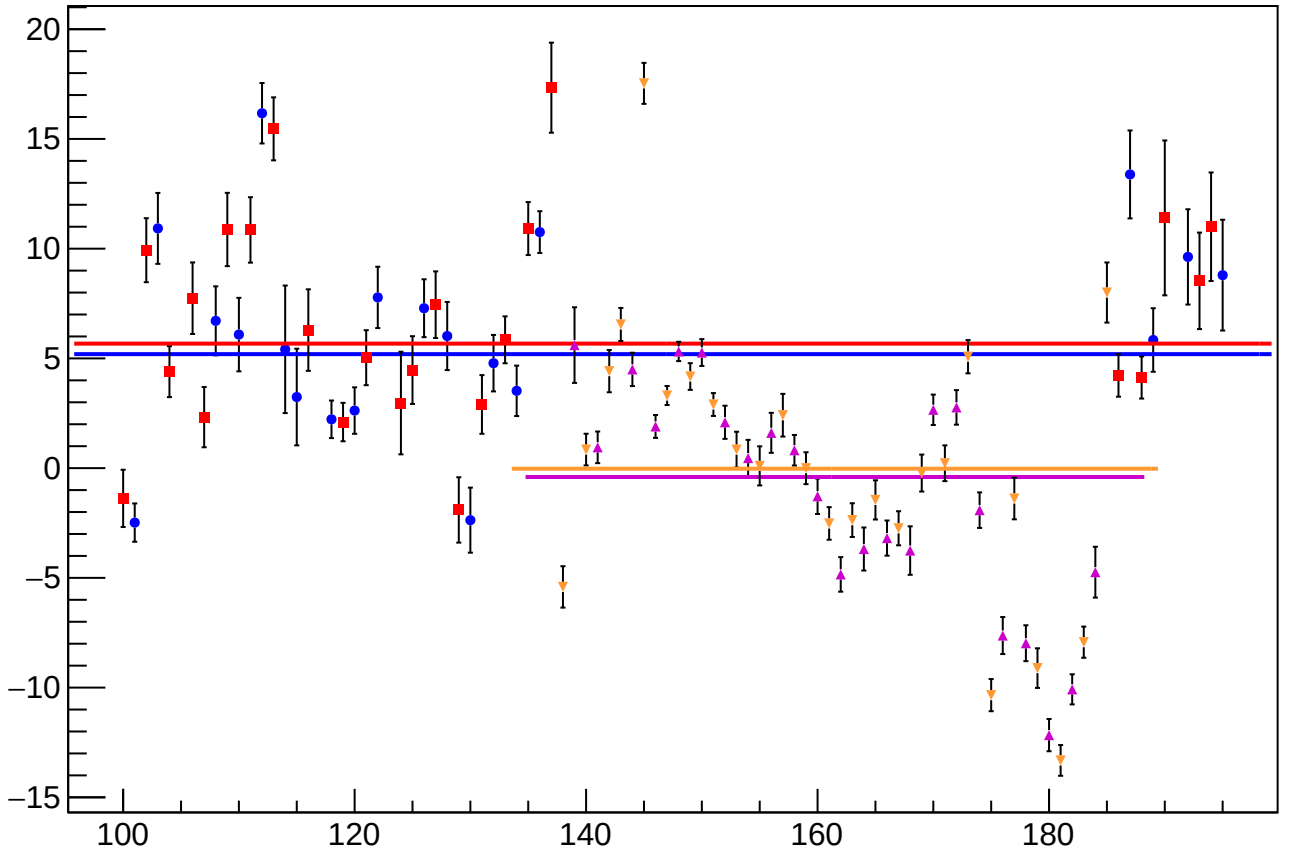
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -43.400+/-0.191 χ^2/NDF: 7757.9/43

In: -33.005+/-0.168 χ^2/NDF:7363.5/42

Out: -34.057+/-0.158 χ^2/NDF:12003.1/48

All: -33.563+/-0.115 χ^2/NDF: 19387.5/91



Right In: 5.194+/-0.300 χ^2/NDF: 265.1/19

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.673+/-0.281 χ^2/NDF: 230.4/23

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

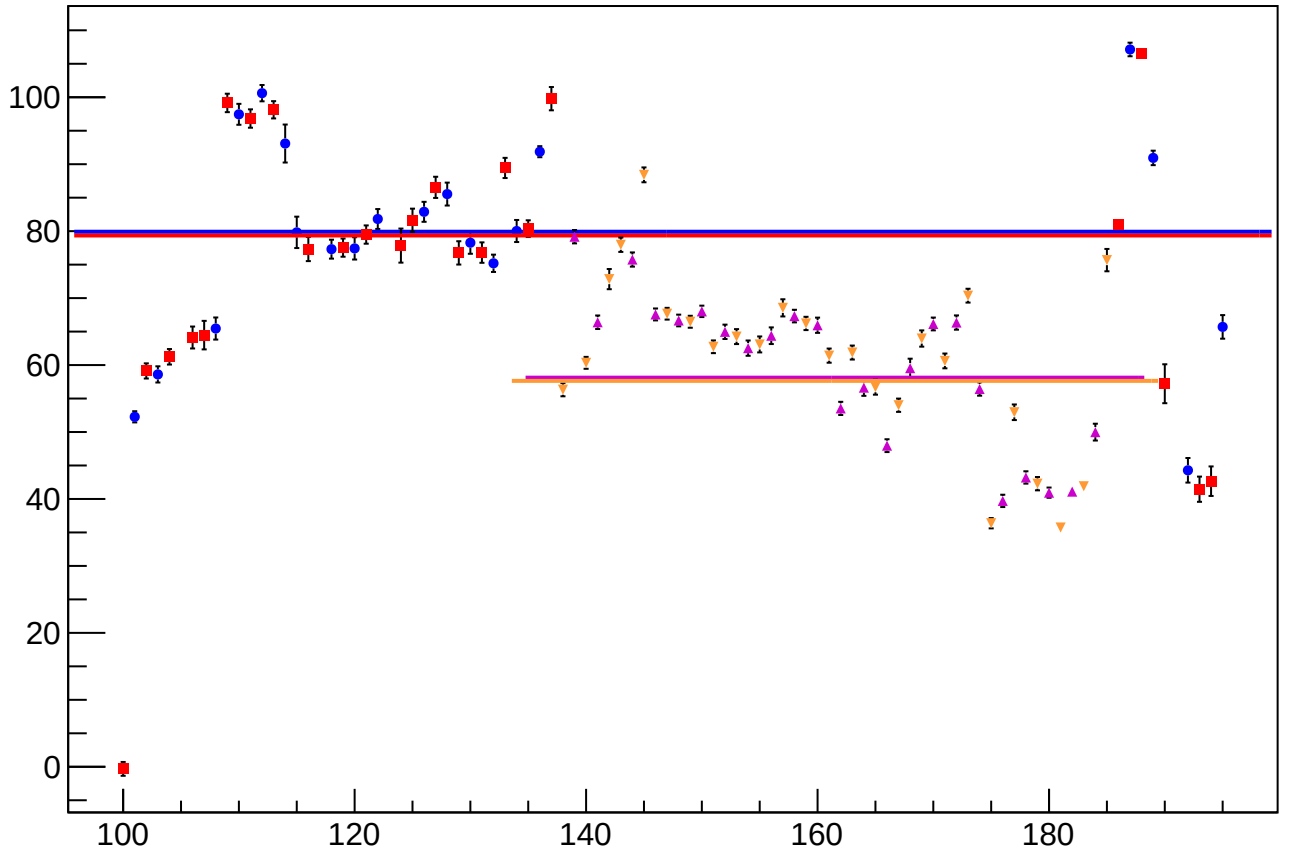
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.450+/-0.205 χ^2/NDF: 496.8/43

In: 0.779+/-0.138 χ^2/NDF:1623.2/42

Out: 1.243+/-0.133 χ^2/NDF:2082.2/48

All: 1.020+/-0.096 χ^2/NDF: 3711.2/91



Right In: 79.914+/-0.298 χ^2/NDF: 3432.5/19

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 79.354+/-0.254 χ^2/NDF: 10543.5/23

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

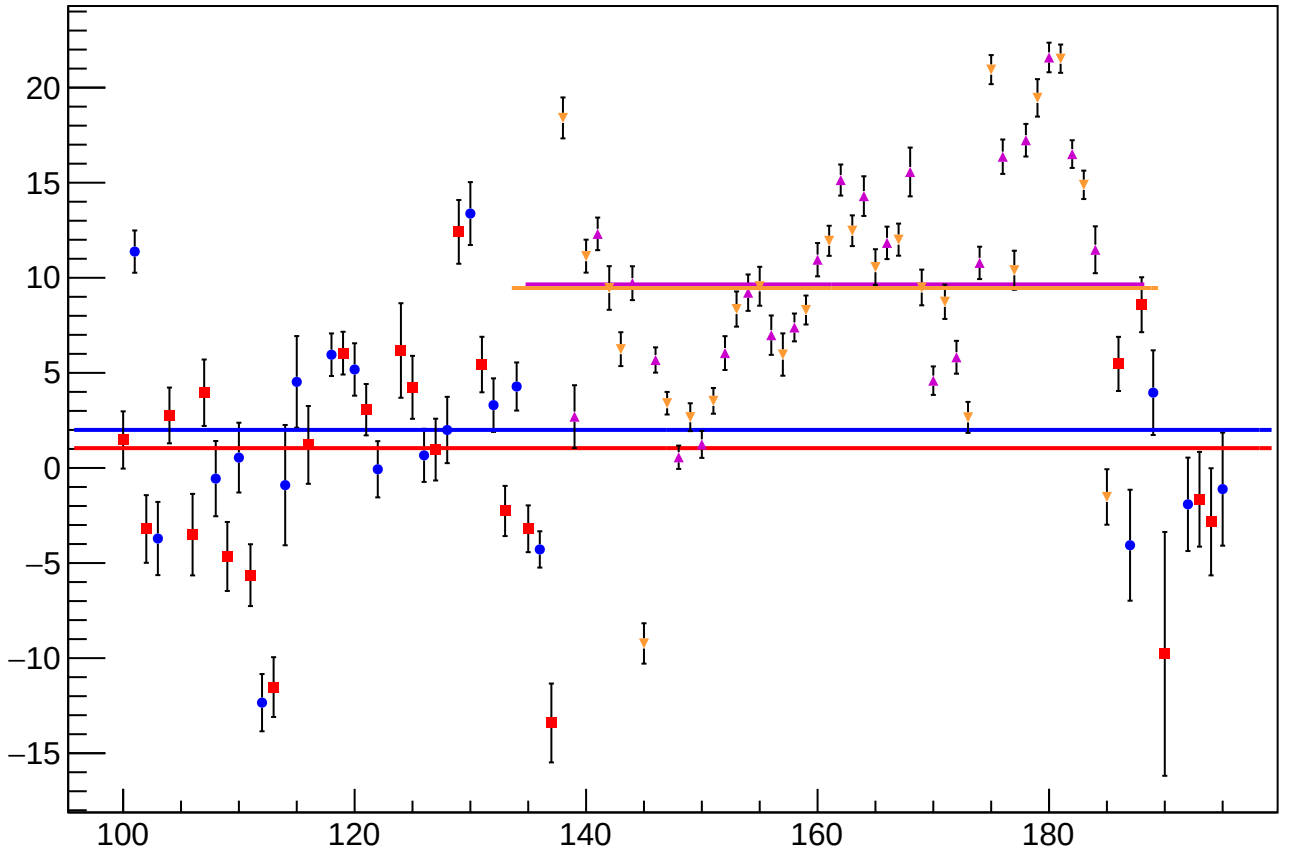
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 79.590+/-0.193 χ^2/NDF: 13978.0/43

In: 65.053+/-0.168 χ^2/NDF:10514.6/42

Out: 65.908+/-0.157 χ^2/NDF:19679.3/48

All: 65.511+/-0.115 χ^2/NDF: 30207.7/91



Right In: 2.001+/-0.350 χ^2/NDF: 299.3/19

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 1.043+/-0.335 χ^2/NDF: 299.8/23

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

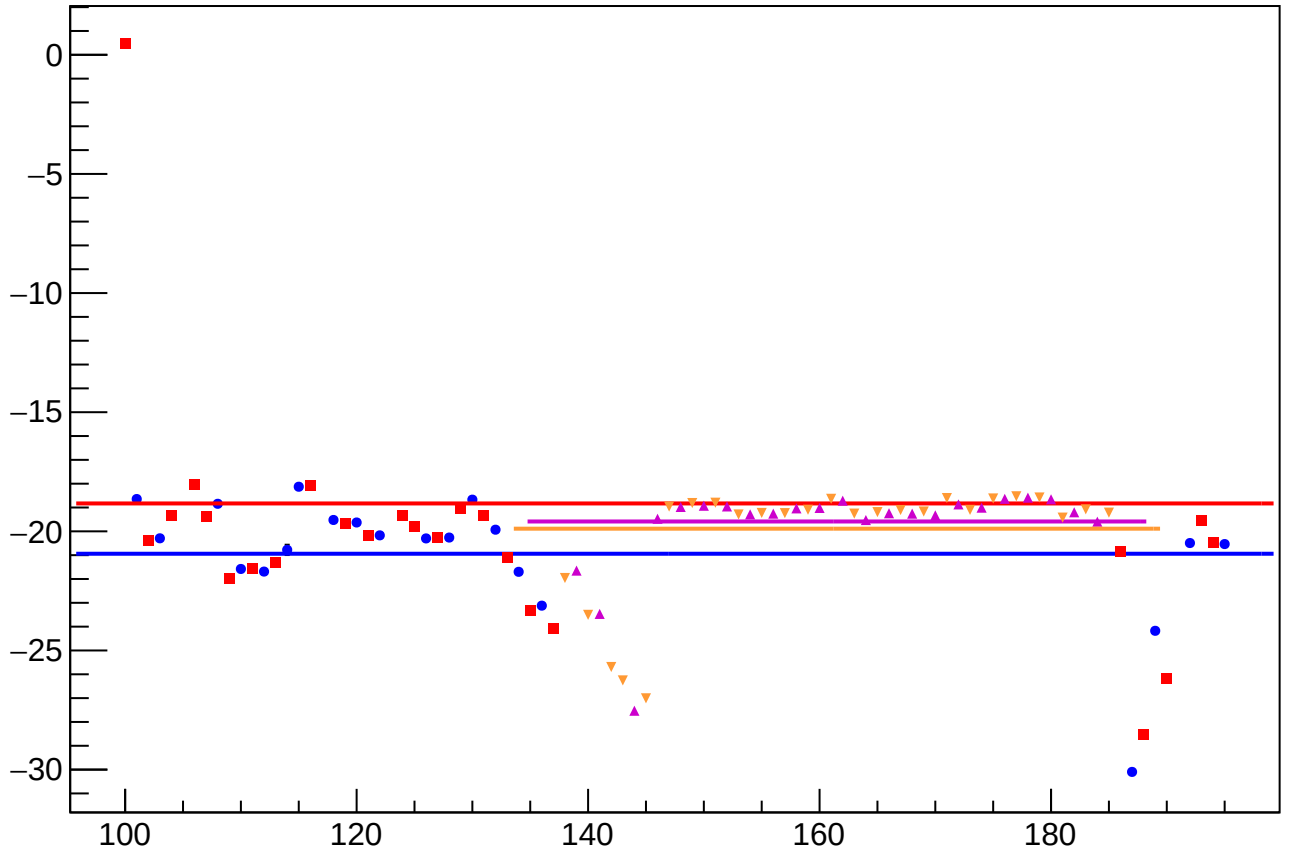
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.500+/-0.242 χ^2/NDF: 603.0/43

In: 8.098+/-0.158 χ^2/NDF:1758.5/42

Out: 7.709+/-0.153 χ^2/NDF:2283.4/48

All: 7.897+/-0.110 χ^2/NDF: 4045.1/91



Right In: -20.940+/-0.018 χ^2/NDF: 11771.6/19

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.829+/-0.017 χ^2/NDF: 170346.9/23

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

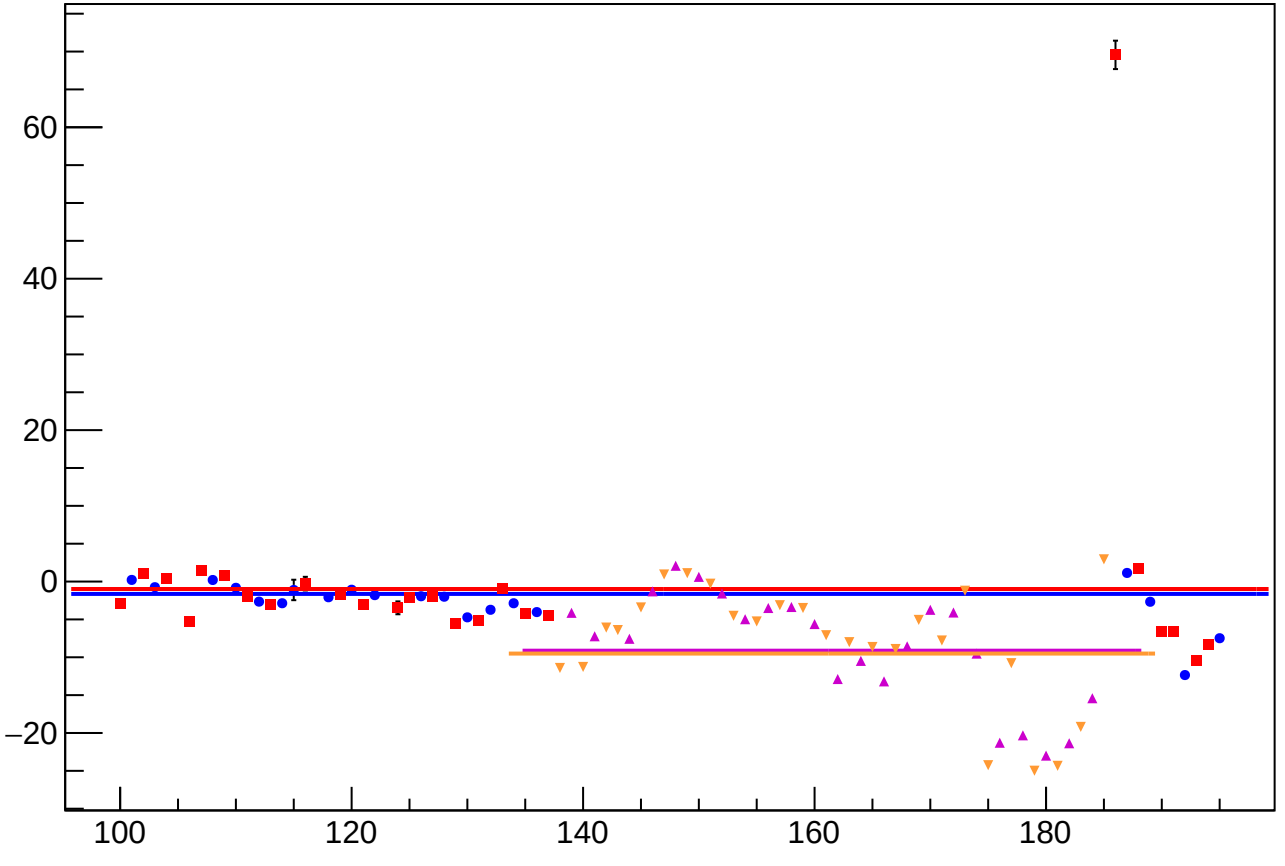
Right: -19.828+/-0.012 χ^2/NDF: 189299.0/43

In: -19.806+/-0.007 χ^2/NDF:61550.9/42

Out: -19.704+/-0.007 χ^2/NDF:252016.2/48

All: -19.754+/-0.005 χ^2/NDF: 313667.7/91

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.632+/-0.053 χ^2/NDF: 1776.6/19

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.983+/-0.048 χ^2/NDF: 4296.9/24

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

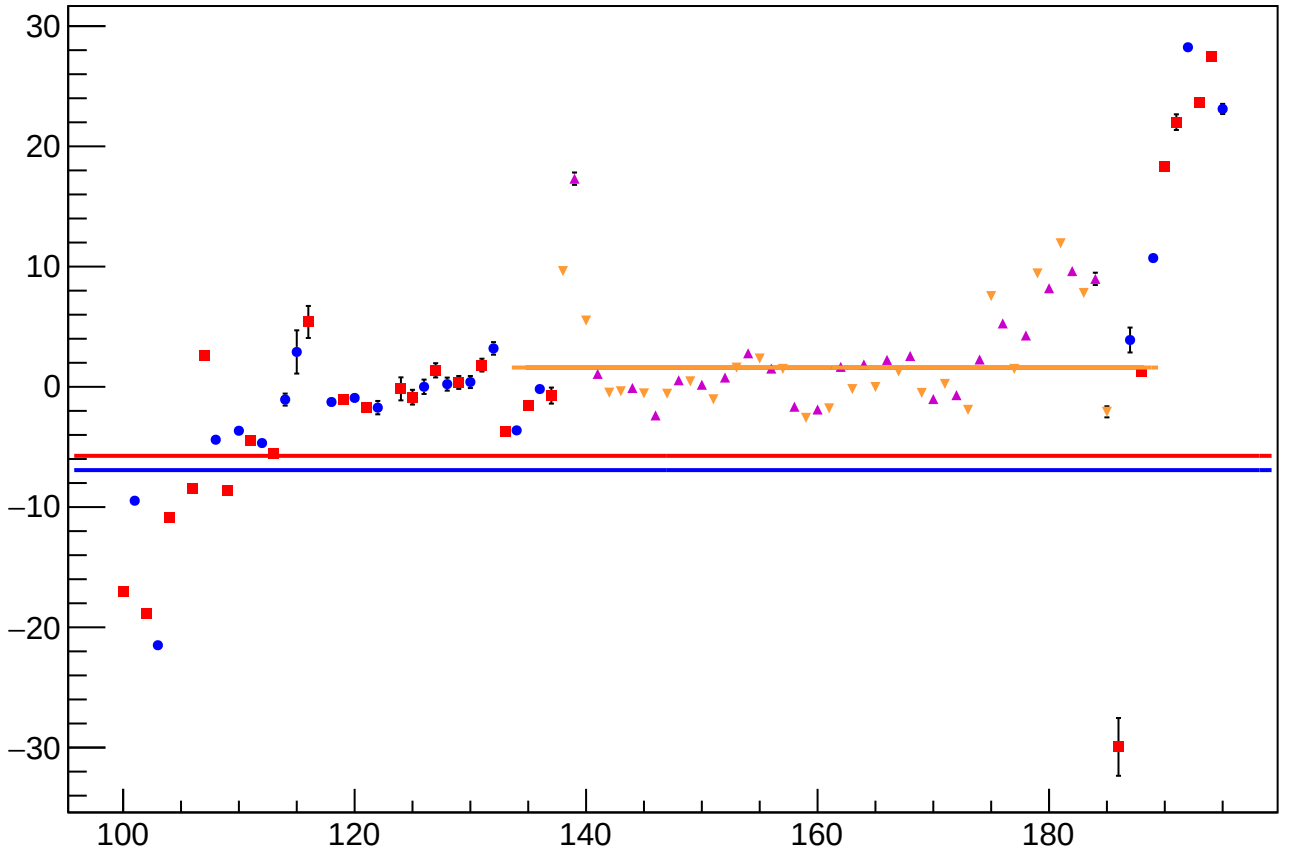
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.276+/-0.035 χ^2/NDF: 6157.2/44

In: -4.116+/-0.043 χ^2/NDF:18893.1/42

Out: -3.556+/-0.040 χ^2/NDF:26842.5/49

All: -3.815+/-0.029 χ^2/NDF: 45826.8/92



Right In: -6.926+/-0.055 χ^2/NDF: 30337.9/19

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -5.738+/-0.054 χ^2/NDF: 34574.0/24

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

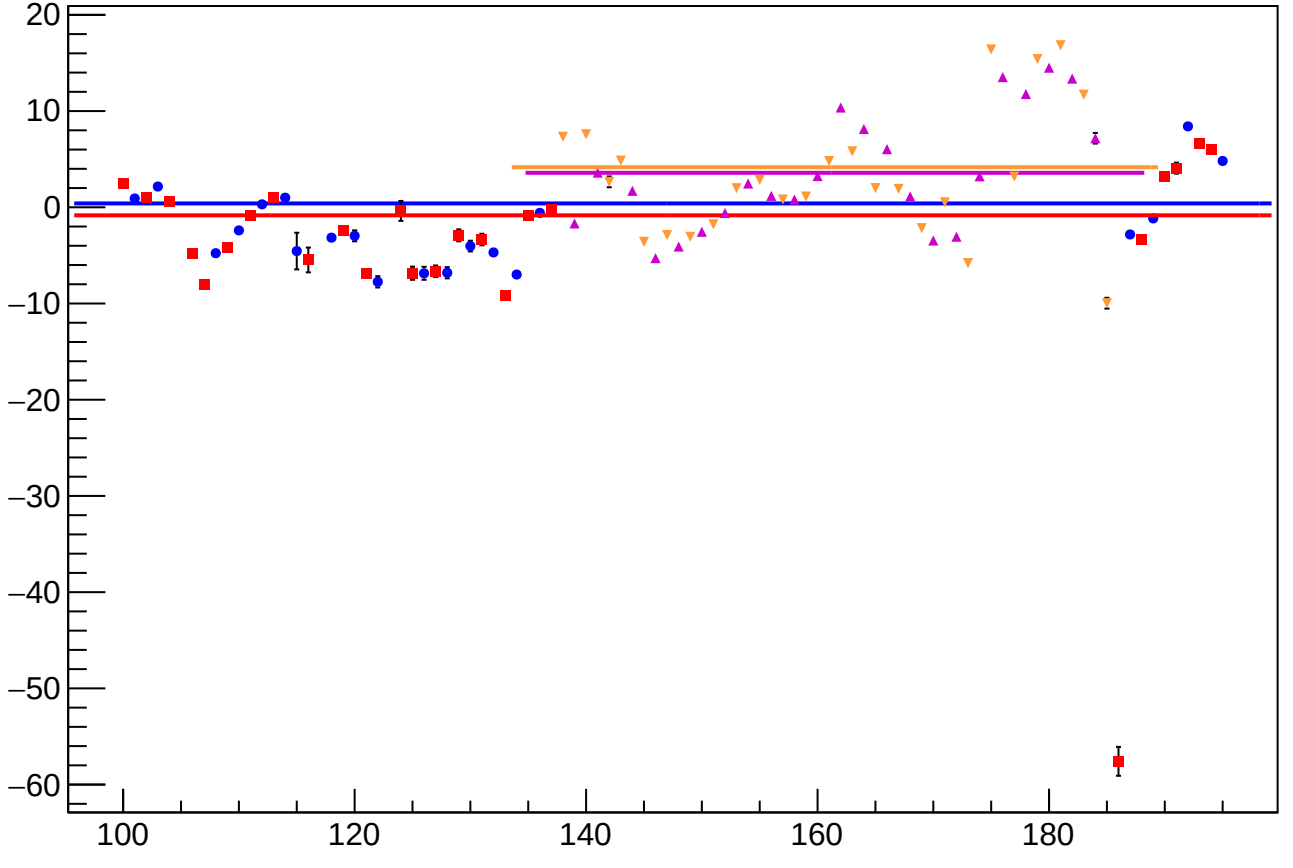
Right: -6.323+/-0.039 χ^2/NDF: 65146.8/44

In: -2.847+/-0.040 χ^2/NDF:45412.5/42

Out: -2.117+/-0.039 χ^2/NDF:48231.2/49

All: -2.472+/-0.028 χ^2/NDF: 93816.2/92

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.401+/-0.051 χ^2/NDF: 2844.3/19

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.835+/-0.049 χ^2/NDF: 5743.8/24

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

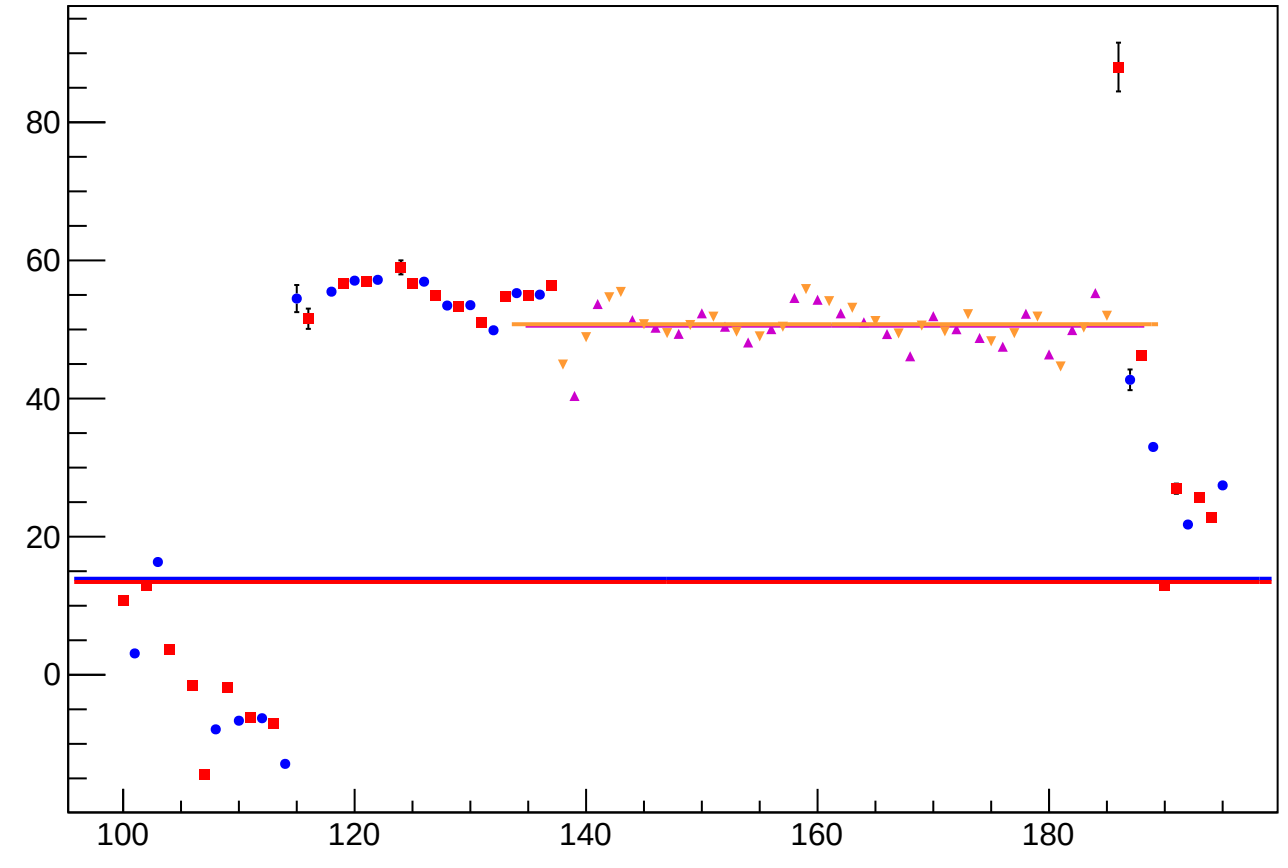
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: -0.243+/-0.035 χ^2/NDF: 8897.6/44

In: 1.420+/-0.042 χ^2/NDF:11332.4/42

Out: 0.729+/-0.040 χ^2/NDF:18298.3/49

All: 1.061+/-0.029 χ^2/NDF: 29772.0/92



Right In: 13.908+/-0.066 χ^2/NDF: 111225.8/19

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 13.441+/-0.065 χ^2/NDF: 127797.5/24

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

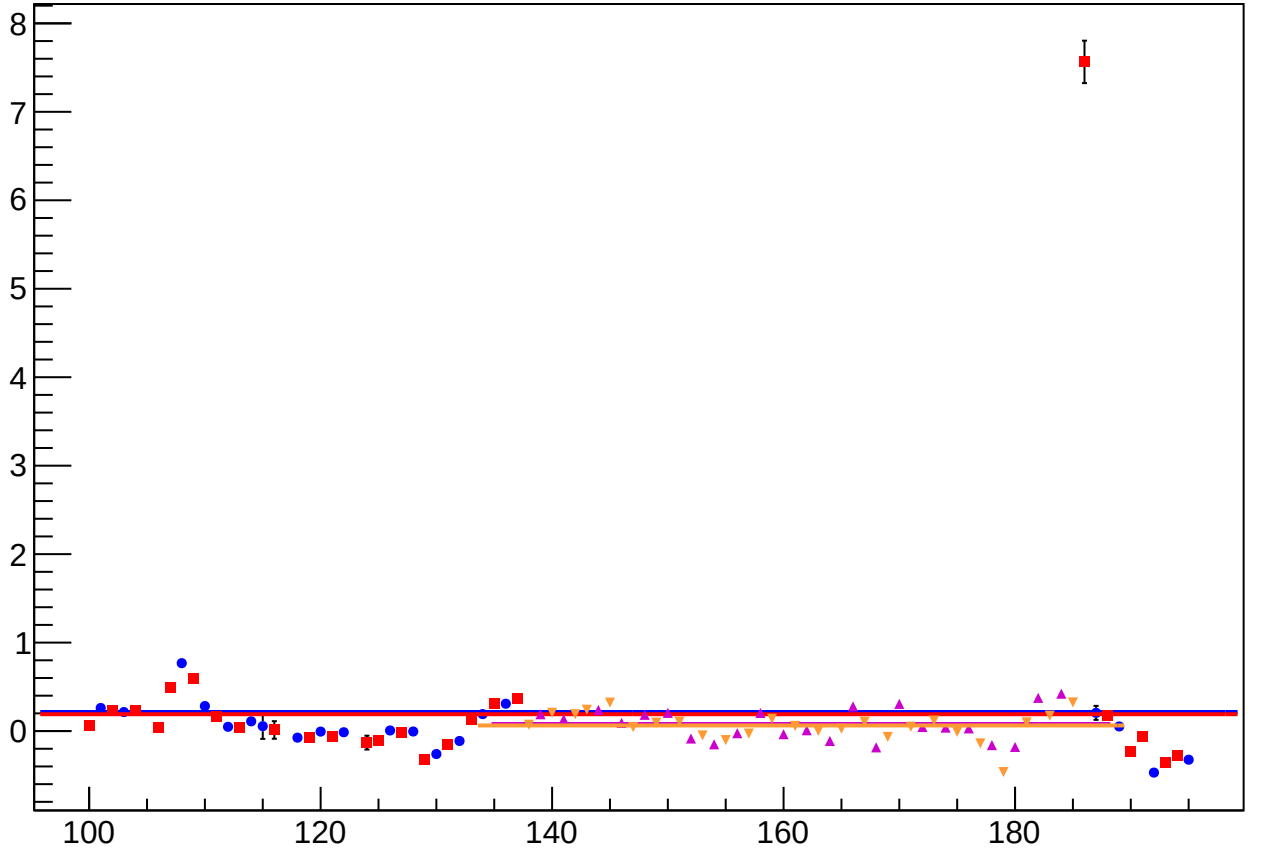
Right: 13.671+/-0.046 χ^2/NDF: 239048.8/44

In: 32.574+/-0.046 χ^2/NDF:269956.8/42

Out: 32.822+/-0.045 χ^2/NDF:301271.5/49

All: 32.702+/-0.032 χ^2/NDF: 571243.1/92

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215+/-0.003 χ^2/NDF: 8073.7/19

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.191+/-0.003 χ^2/NDF: 6853.6/24

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

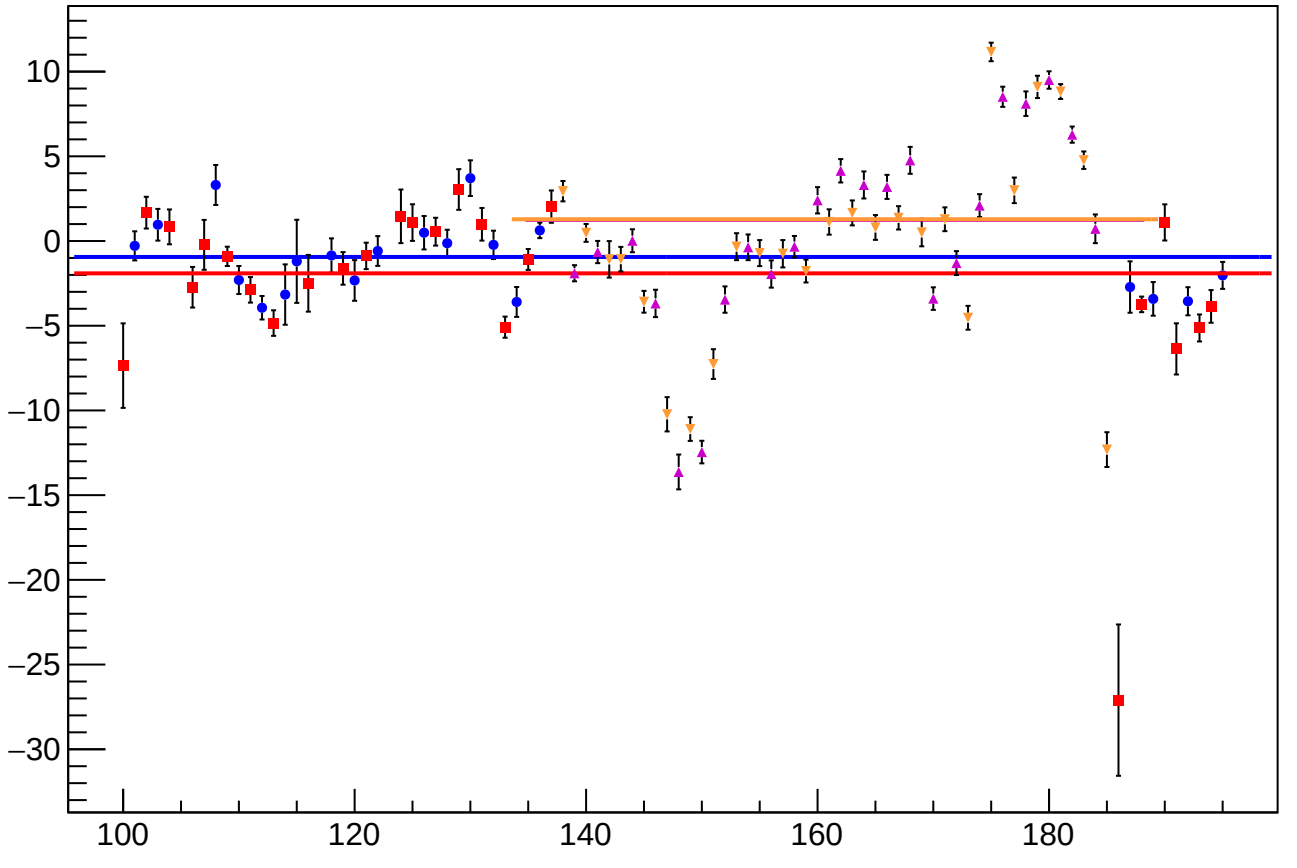
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.202+/-0.002 χ^2/NDF: 14972.0/44

In: 0.152+/-0.002 χ^2/NDF:12739.5/42

Out: 0.132+/-0.002 χ^2/NDF:10541.9/49

All: 0.142+/-0.001 χ^2/NDF: 23333.1/92



Right In: -0.941+/-0.197 χ^2/NDF: 105.8/19

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.908+/-0.175 χ^2/NDF: 227.0/24

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

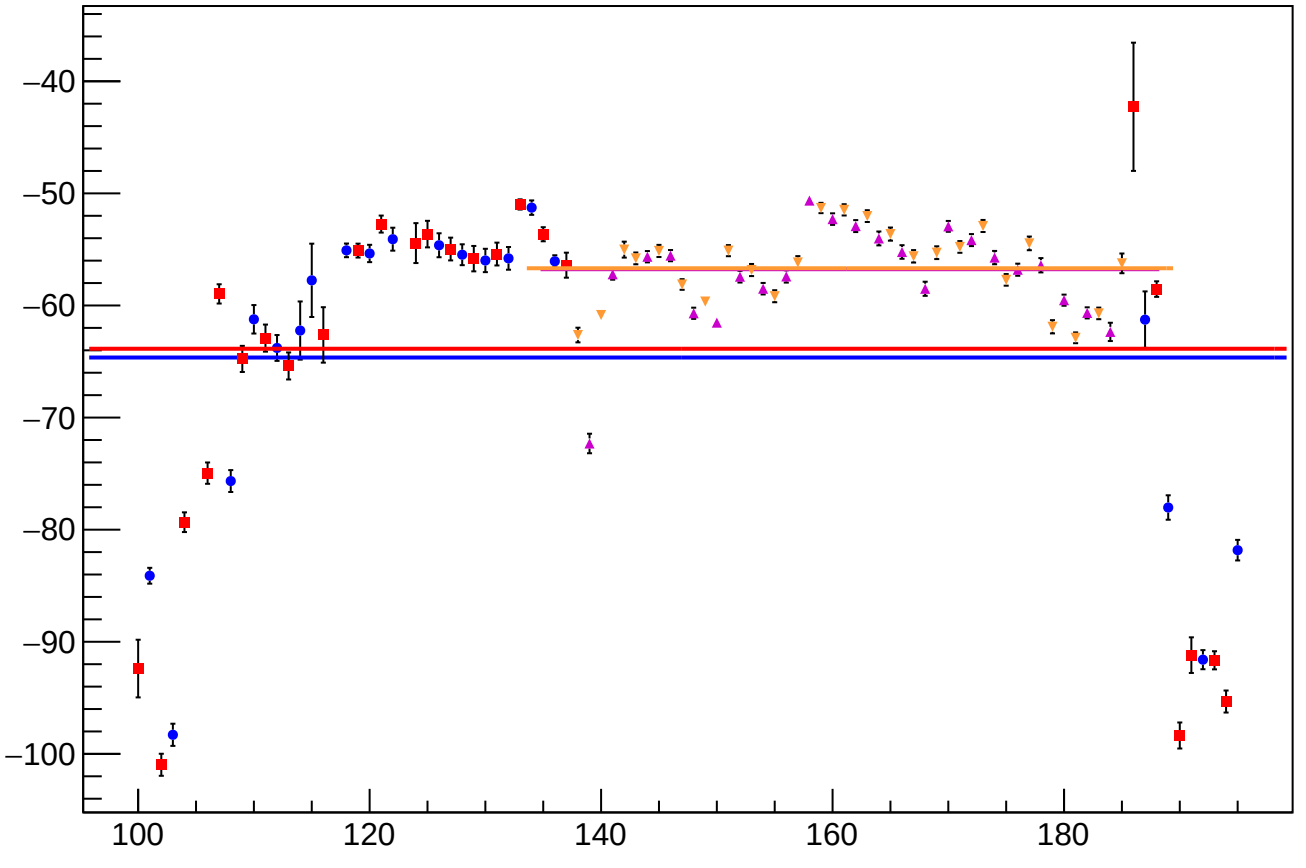
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.482+/-0.131 χ^2/NDF: 346.2/44

In: 0.511+/-0.114 χ^2/NDF:1699.8/42

Out: 0.071+/-0.108 χ^2/NDF:2148.7/49

All: 0.278+/-0.078 χ^2/NDF: 3856.3/92



Right In: -64.643+/-0.202 χ^2/NDF: 5079.6/19

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -63.861+/-0.185 χ^2/NDF: 7304.6/24

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

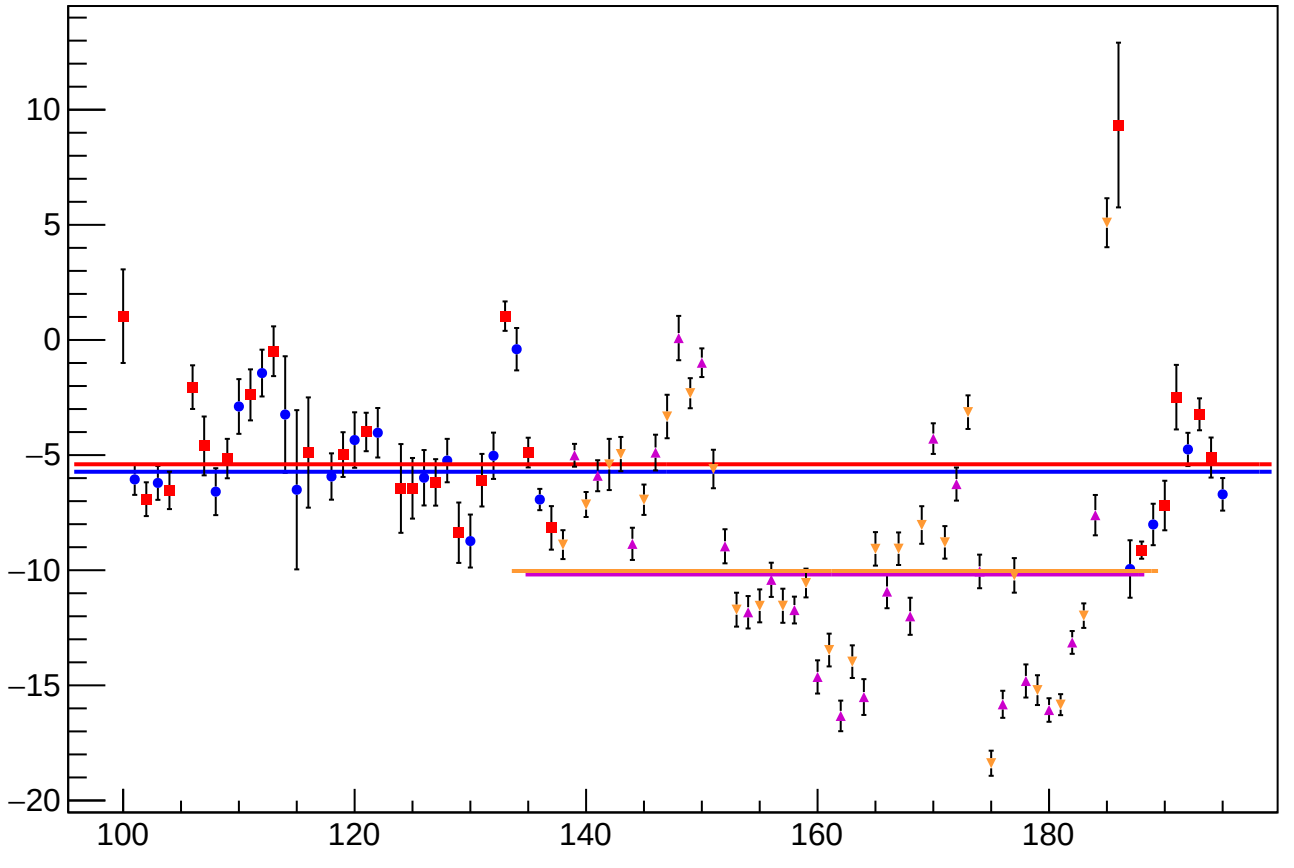
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -64.216+/-0.137 χ^2/NDF: 12392.4/44

In: -58.611+/-0.098 χ^2/NDF:7348.5/42

Out: -58.486+/-0.093 χ^2/NDF:9447.2/49

All: -58.545+/-0.067 χ^2/NDF: 16796.6/92



Right In: -5.723+/-0.201 χ^2/NDF: 99.3/19

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.398+/-0.176 χ^2/NDF: 311.6/24

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

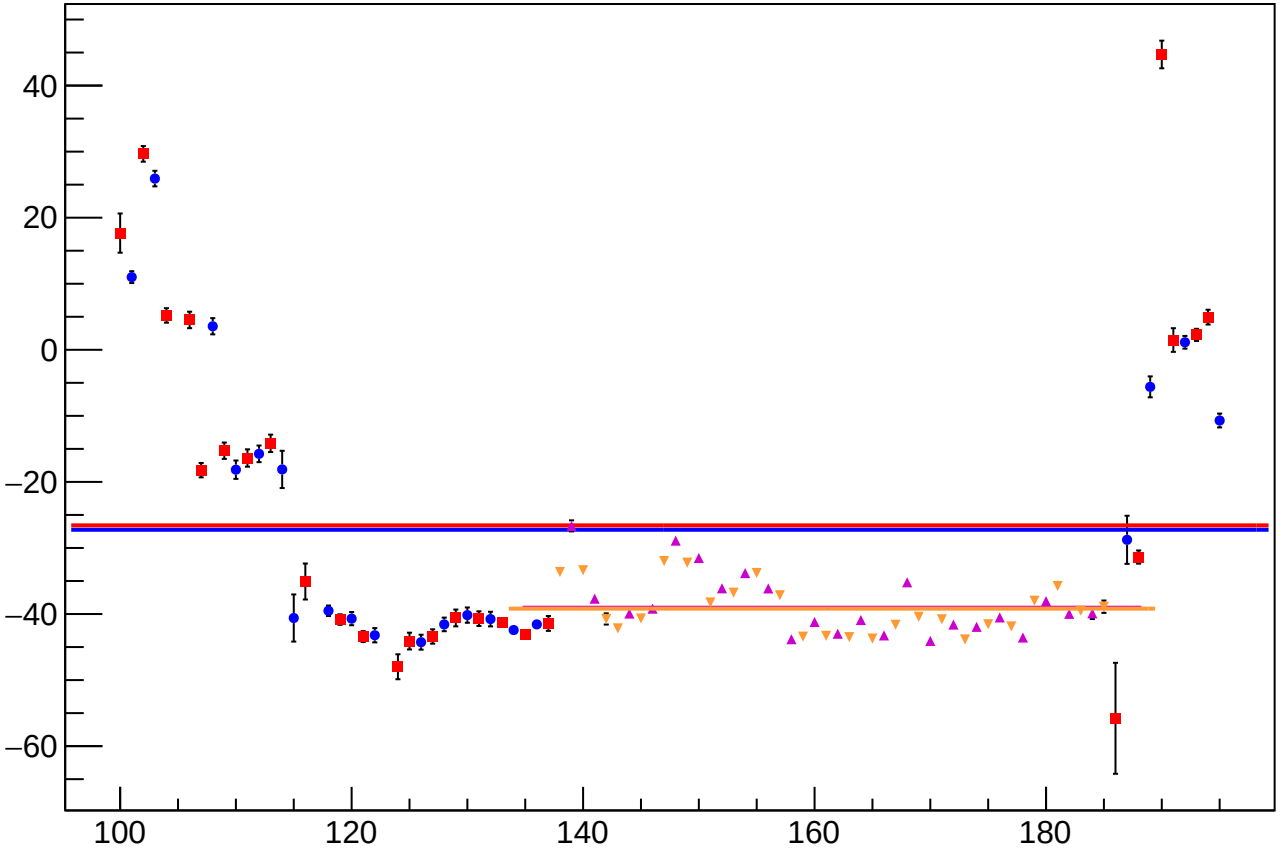
Right: -5.540+/-0.133 χ^2/NDF: 412.4/44

In: -8.741+/-0.114 χ^2/NDF:1574.5/42

Out: -8.300+/-0.108 χ^2/NDF:1927.3/49

All: -8.507+/-0.078 χ^2/NDF: 3509.7/92

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -27.241+/-0.232 χ^2/NDF: 8422.5/19

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -26.576+/-0.217 χ^2/NDF: 10554.5/24

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

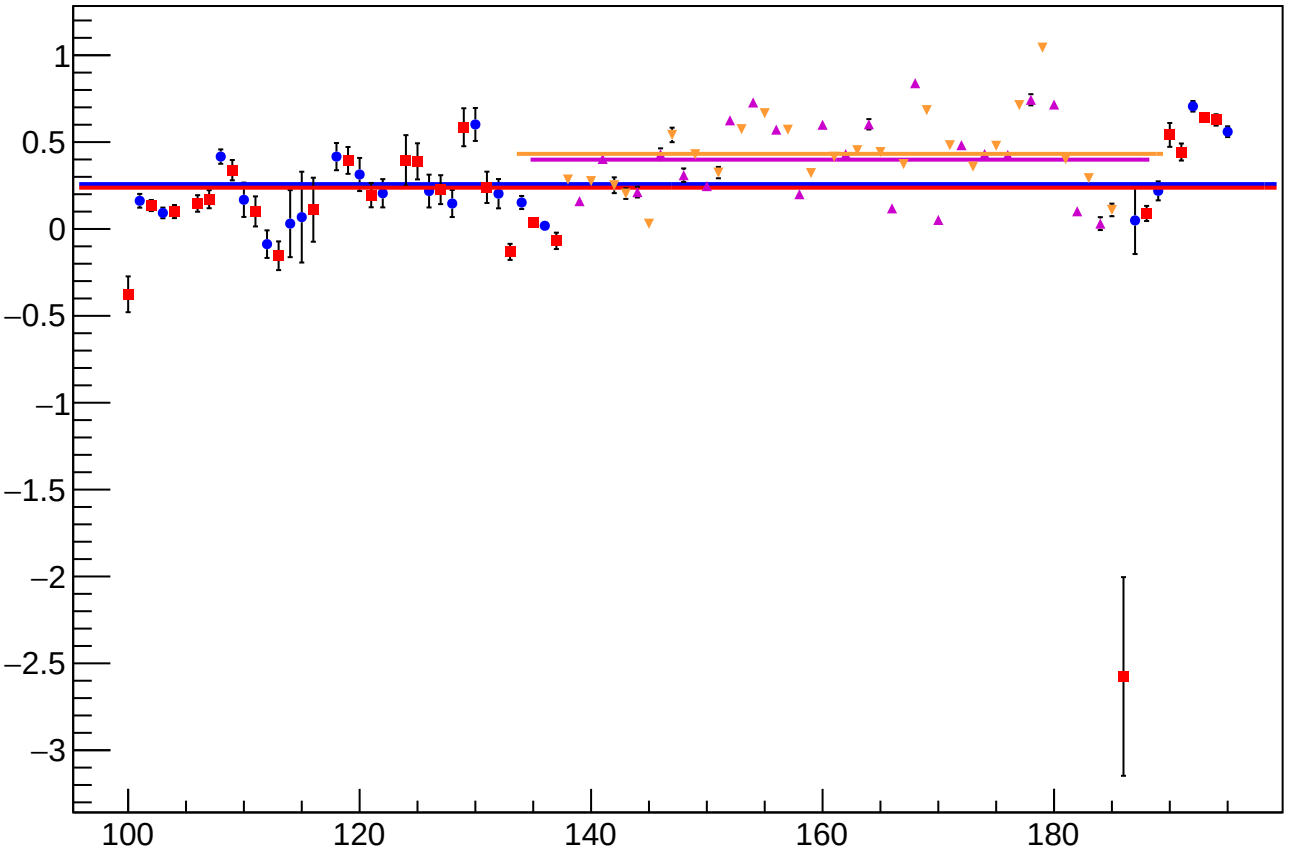
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -26.886+/-0.159 χ^2/NDF: 18981.4/44

In: -36.418+/-0.110 χ^2/NDF:11656.5/42

Out: -36.231+/-0.105 χ^2/NDF:14172.8/49

All: -36.321+/-0.076 χ^2/NDF: 25830.9/92



Right In: 0.258+/-0.011 χ^2/NDF: 536.5/19

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.238+/-0.010 χ^2/NDF: 694.8/24

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

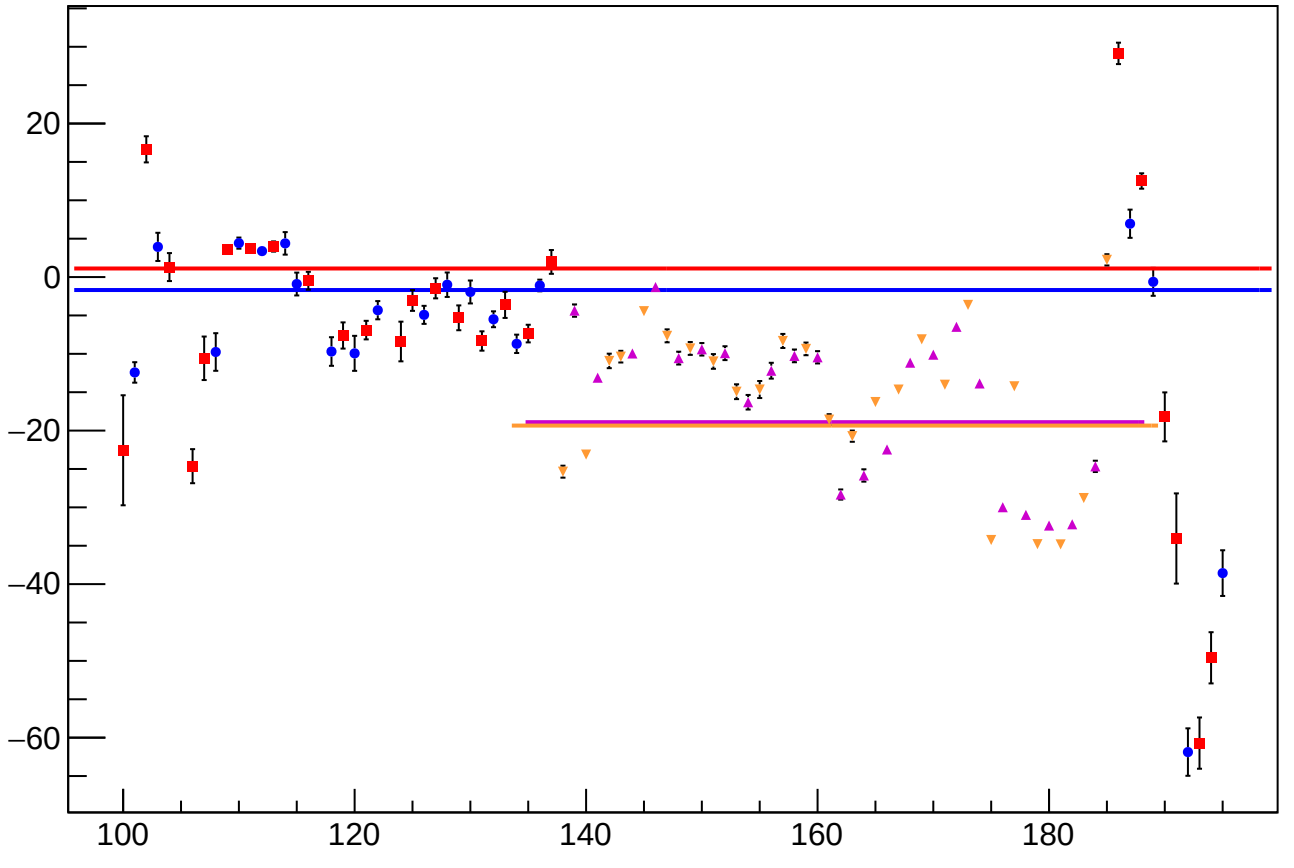
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.247+/-0.007 χ^2/NDF: 1233.4/44

In: 0.370+/-0.005 χ^2/NDF:2600.5/42

Out: 0.390+/-0.005 χ^2/NDF:2357.3/49

All: 0.380+/-0.003 χ^2/NDF: 4966.2/92



Right In: -1.689+/-0.272 χ^2/NDF: 891.4/19

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.117+/-0.251 χ^2/NDF: 1711.3/24

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

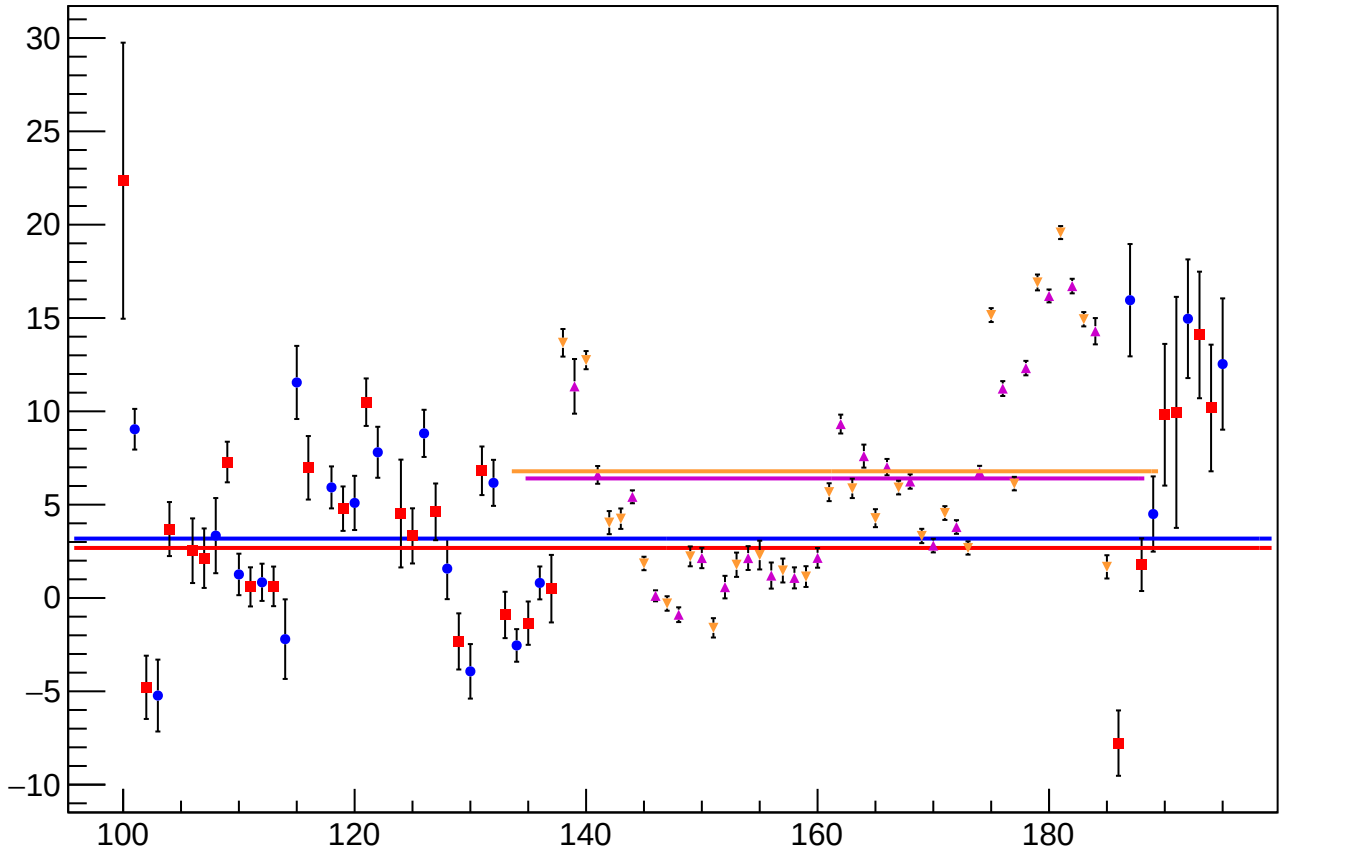
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

Right: -0.171+/-0.184 χ^2/NDF: 2660.2/44

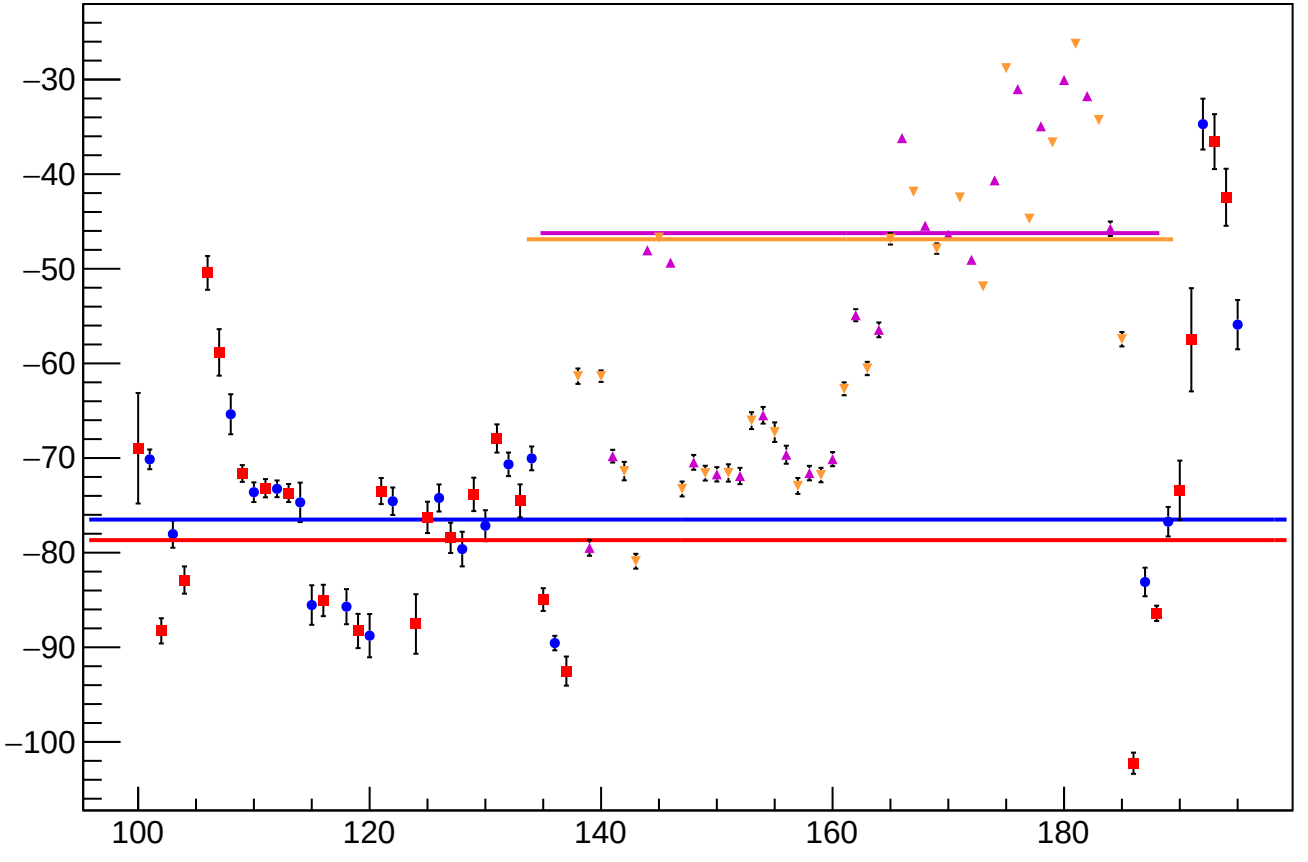
In: -16.247+/-0.107 χ^2/NDF:12565.1/42

Out: -15.870+/-0.103 χ^2/NDF:17642.9/49

All: -16.052+/-0.074 χ^2/NDF: 30214.4/92


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
Right In: 3.183+/-0.305 χ²/NDF: 240.1/19
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 2.681+/-0.305 χ²/NDF: 202.4/24
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 2.932+/-0.216 χ²/NDF: 443.9/44
In: 6.141+/-0.087 χ²/NDF:3752.7/42
Out: 6.459+/-0.086 χ²/NDF:5001.3/49
All: 6.301+/-0.061 χ²/NDF: 8760.7/92

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.502+/-0.308 χ^2/NDF: 830.2/19

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -78.675+/-0.289 χ^2/NDF: 1648.1/24

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

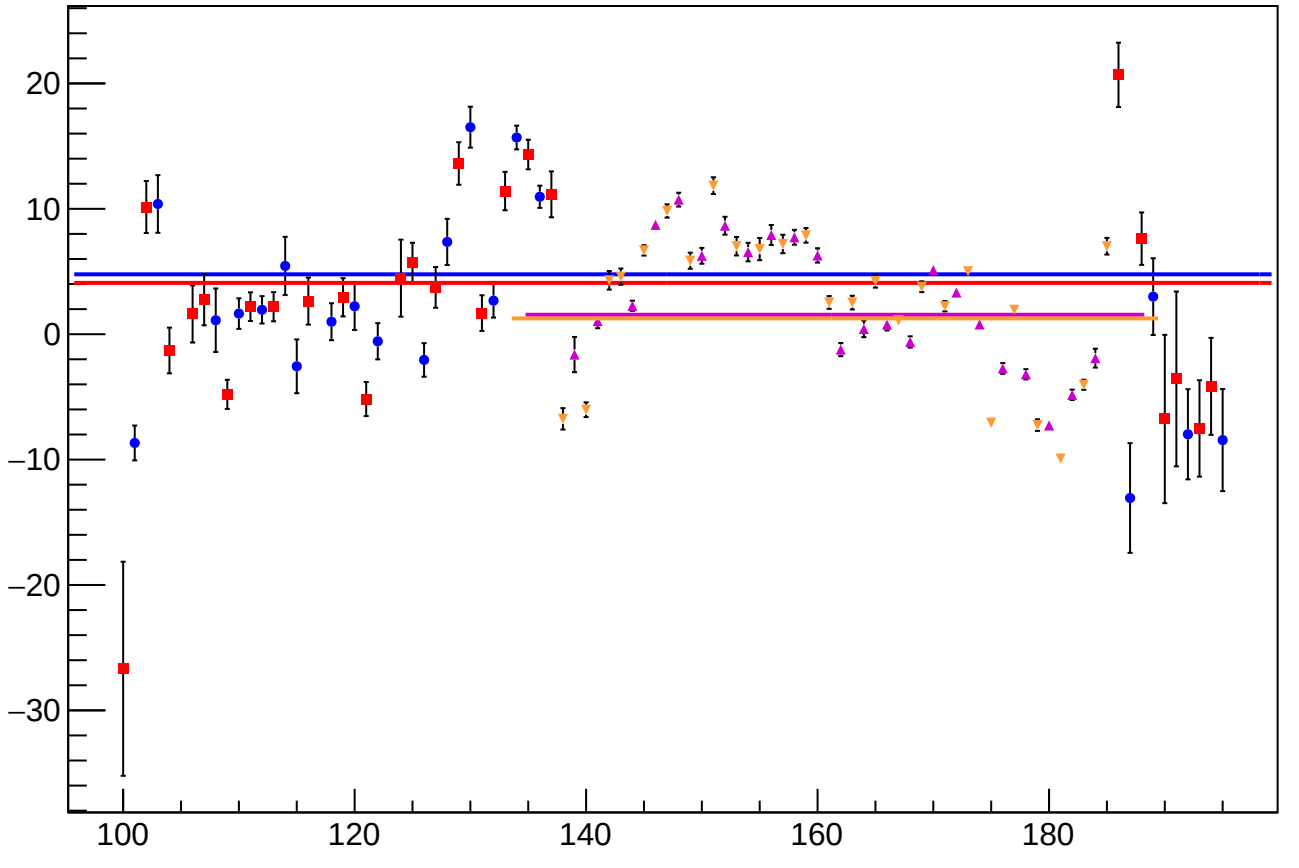
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -77.658+/-0.211 χ^2/NDF: 2504.7/44

In: -50.003+/-0.109 χ^2/NDF:24445.7/42

Out: -51.153+/-0.106 χ^2/NDF:30086.7/49

All: -50.593+/-0.076 χ^2/NDF: 54589.7/92



Right In: 4.776+/-0.344 χ^2/NDF: 453.5/19

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.093+/-0.349 χ^2/NDF: 354.0/24

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

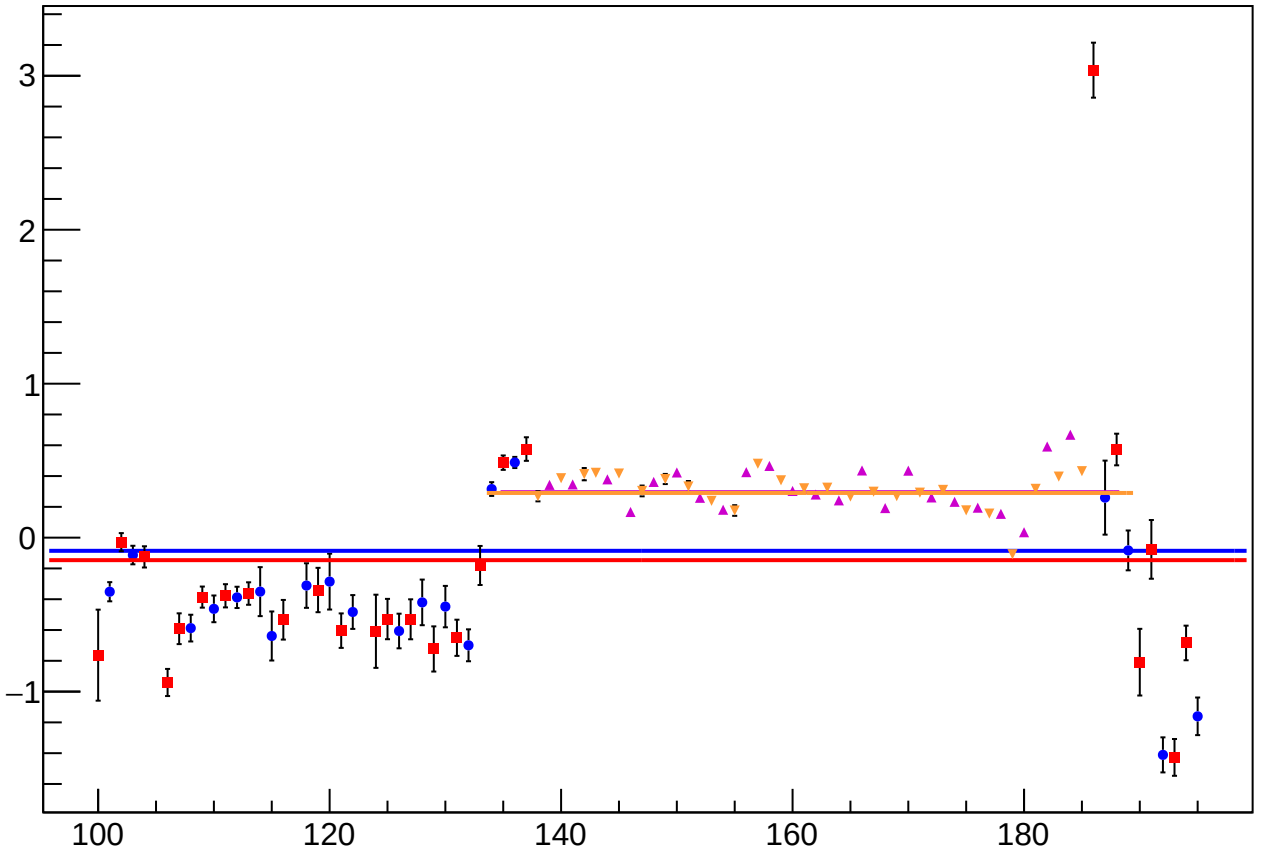
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.440+/-0.245 χ^2/NDF: 809.4/44

In: 1.812+/-0.098 χ^2/NDF:2870.2/42

Out: 1.478+/-0.096 χ^2/NDF:3860.5/49

All: 1.643+/-0.069 χ^2/NDF: 6736.5/92



Right In: -0.086+/-0.018 χ^2/NDF: 737.7/19

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.146+/-0.019 χ^2/NDF: 1008.8/24

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

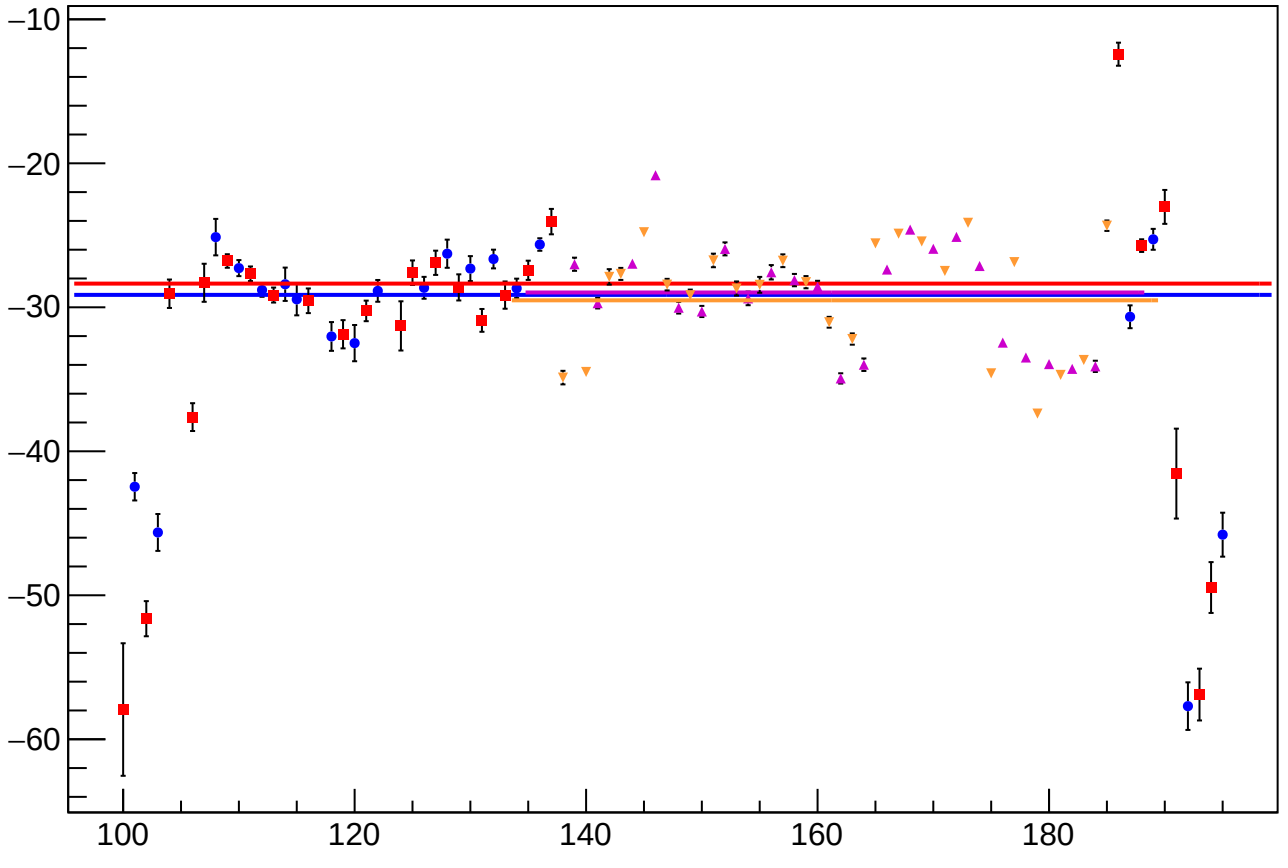
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.115+/-0.013 χ^2/NDF: 1751.8/44

In: 0.273+/-0.004 χ^2/NDF:2183.9/42

Out: 0.267+/-0.004 χ^2/NDF:2228.6/49

All: 0.270+/-0.003 χ^2/NDF: 4413.2/92



Right In: -29.137+/-0.173 χ^2/NDF: 942.5/19

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.355+/-0.161 χ^2/NDF: 1443.2/24

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

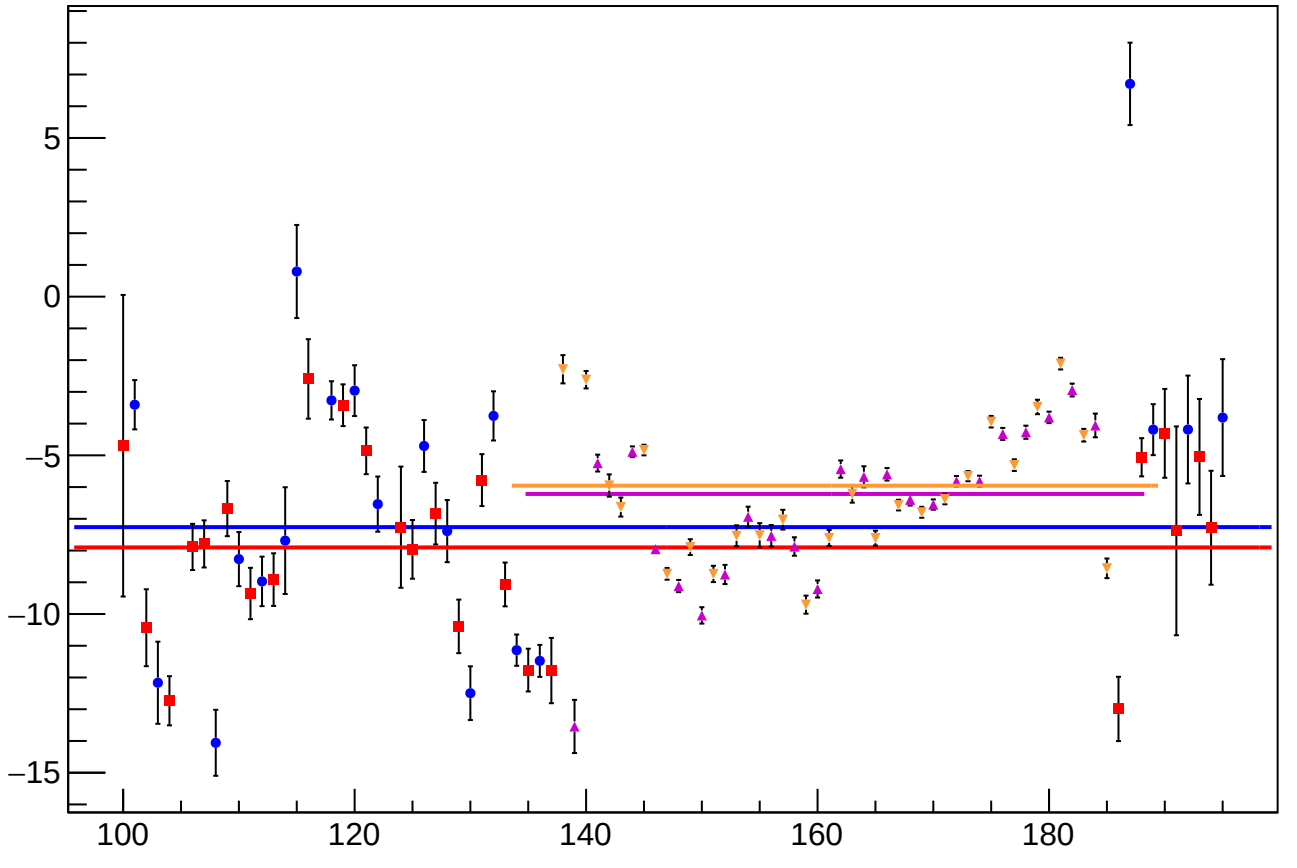
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -28.716+/-0.118 χ^2/NDF: 2396.7/44

In: -28.987+/-0.054 χ^2/NDF:6292.0/42

Out: -29.389+/-0.053 χ^2/NDF:7578.1/49

All: -29.192+/-0.038 χ^2/NDF: 13898.2/92



Right In: -7.262+/-0.185 χ^2/NDF: 529.1/19

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.902+/-0.180 χ^2/NDF: 255.4/24

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

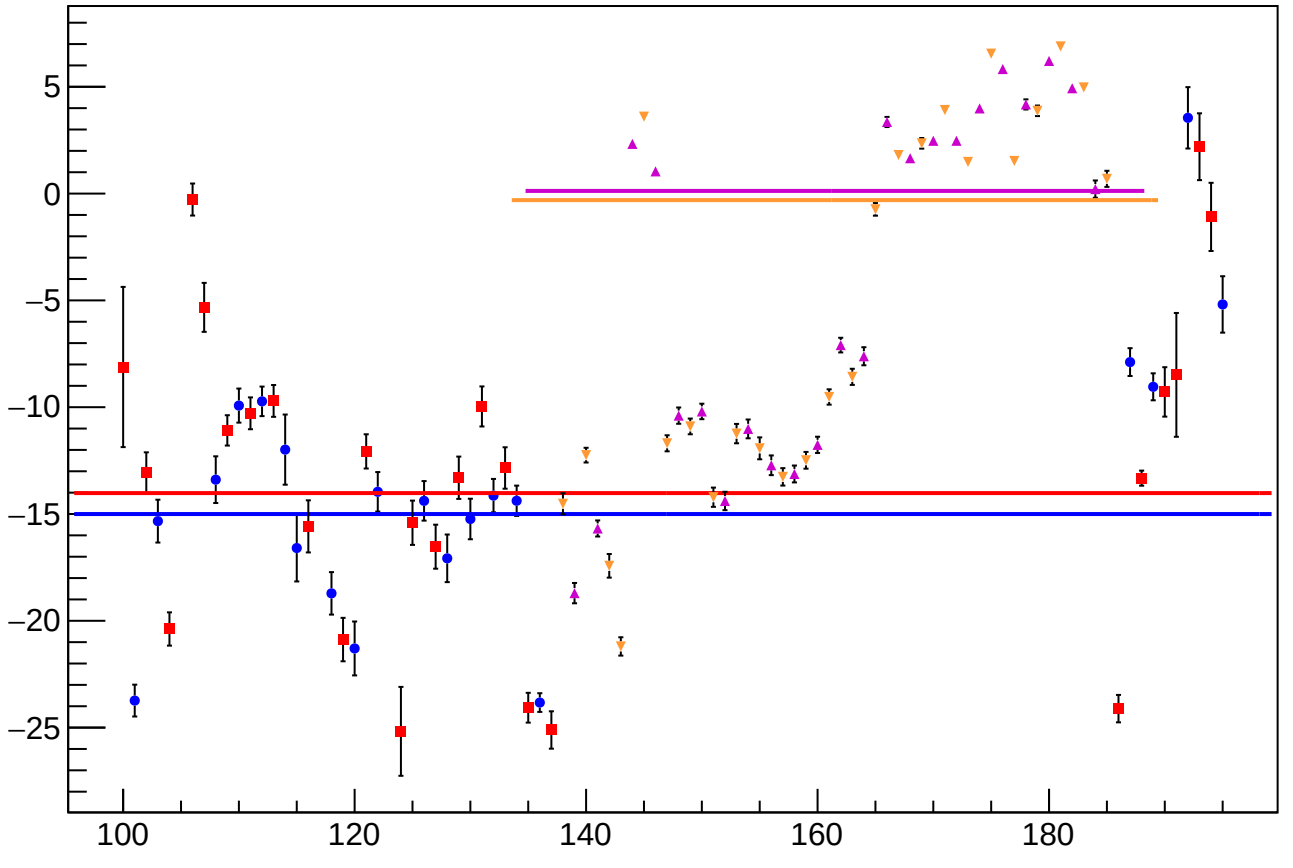
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.591+/-0.129 χ^2/NDF: 790.6/44

In: -6.273+/-0.043 χ^2/NDF:2300.9/42

Out: -6.068+/-0.043 χ^2/NDF:2223.1/49

All: -6.171+/-0.030 χ^2/NDF: 4535.4/92



Right In: -15.003+/-0.187 χ^2/NDF: 1125.3/19

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.021+/-0.169 χ^2/NDF: 1462.1/24

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

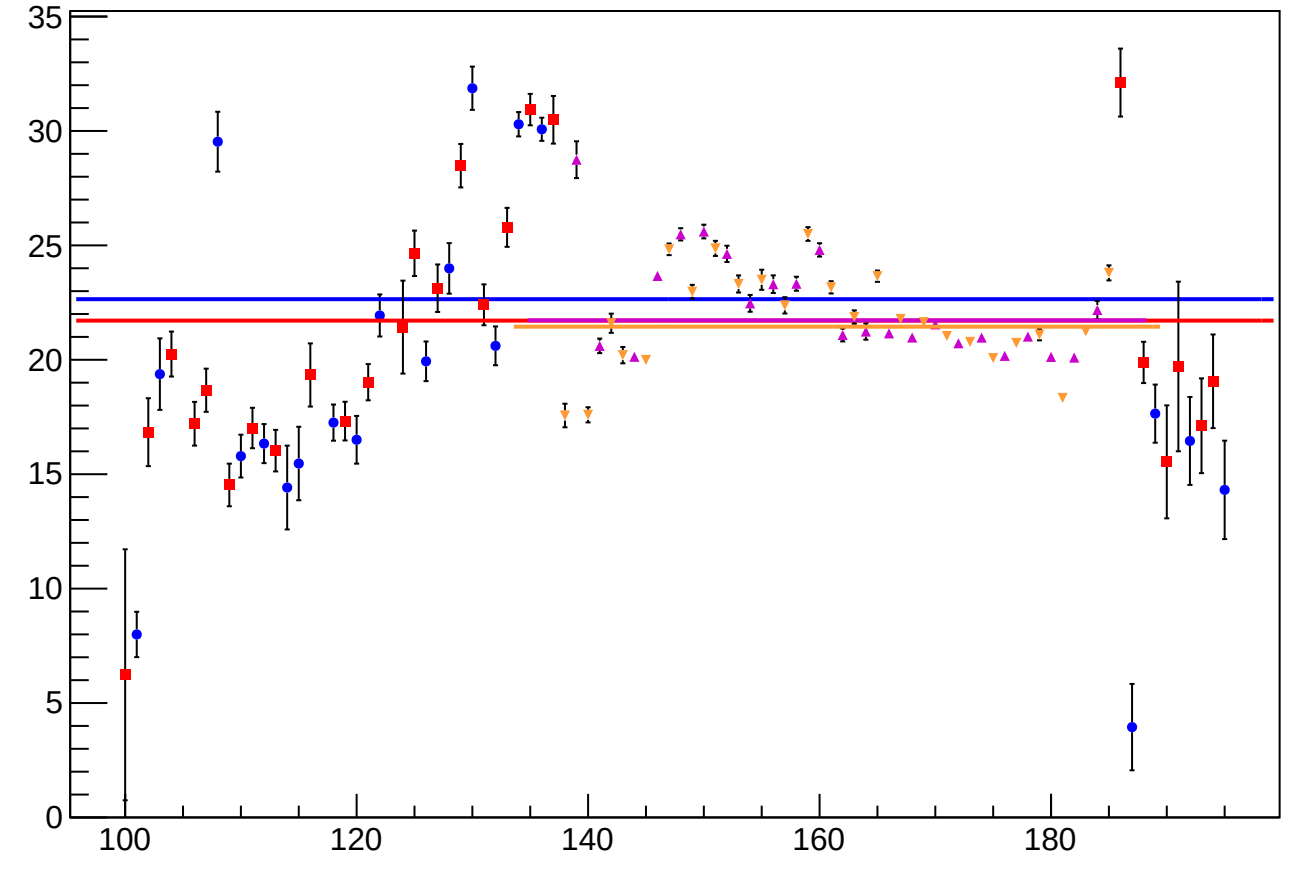
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -14.464+/-0.125 χ^2/NDF: 2602.6/44

In: -1.167+/-0.055 χ^2/NDF:20978.1/42

Out: -1.685+/-0.054 χ^2/NDF:24556.4/49

All: -1.430+/-0.038 χ^2/NDF: 45580.5/92



Right In: 22.649+/-0.211 χ^2/NDF: 1153.8/19

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.712+/-0.212 χ^2/NDF: 624.6/24

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

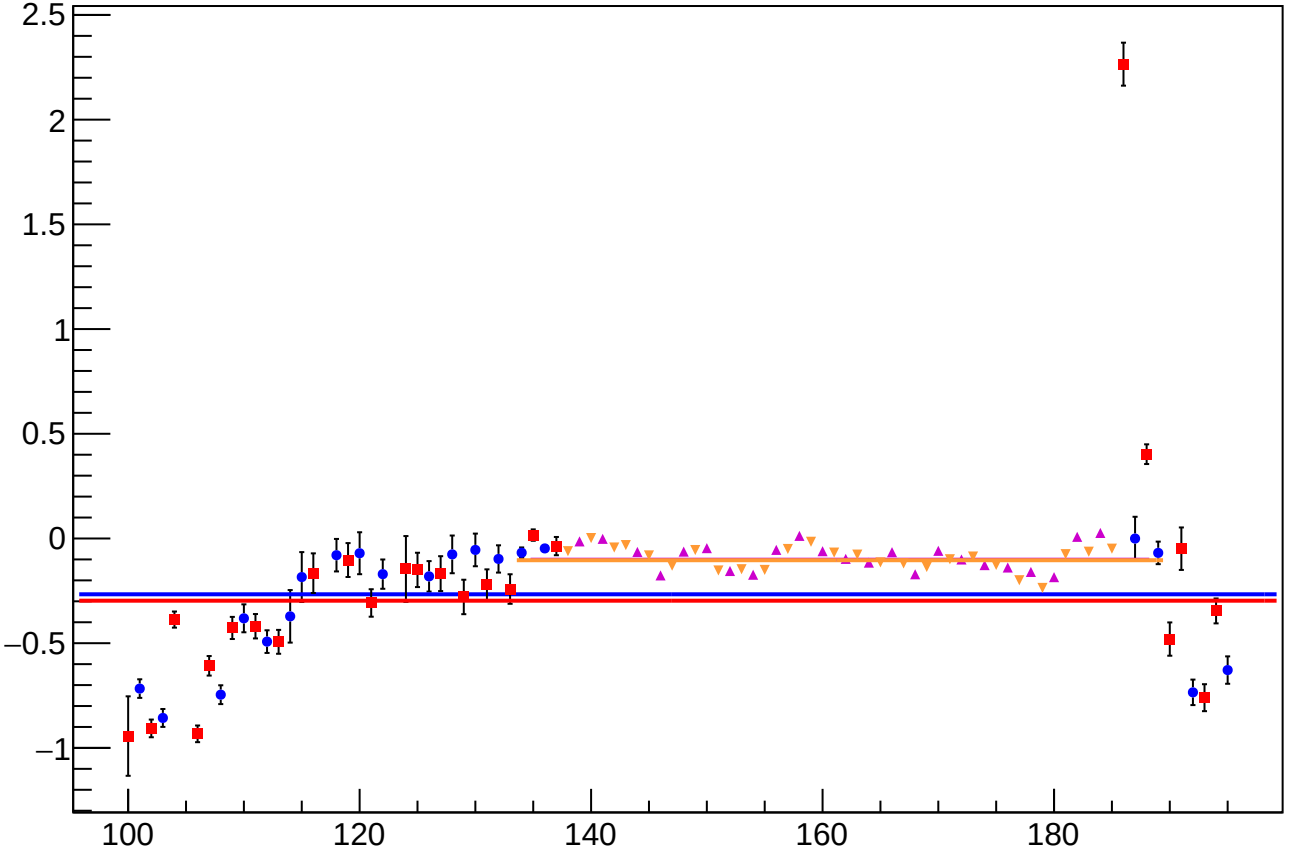
Right: 22.182+/-0.150 χ^2/NDF: 1788.2/44

In: 21.774+/-0.048 χ^2/NDF:2345.7/42

Out: 21.461+/-0.048 χ^2/NDF:1951.3/49

All: 21.617+/-0.034 χ^2/NDF: 4318.0/92

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.266+/-0.011 χ^2/NDF: 745.3/19

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.297+/-0.011 χ^2/NDF: 1640.2/24

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

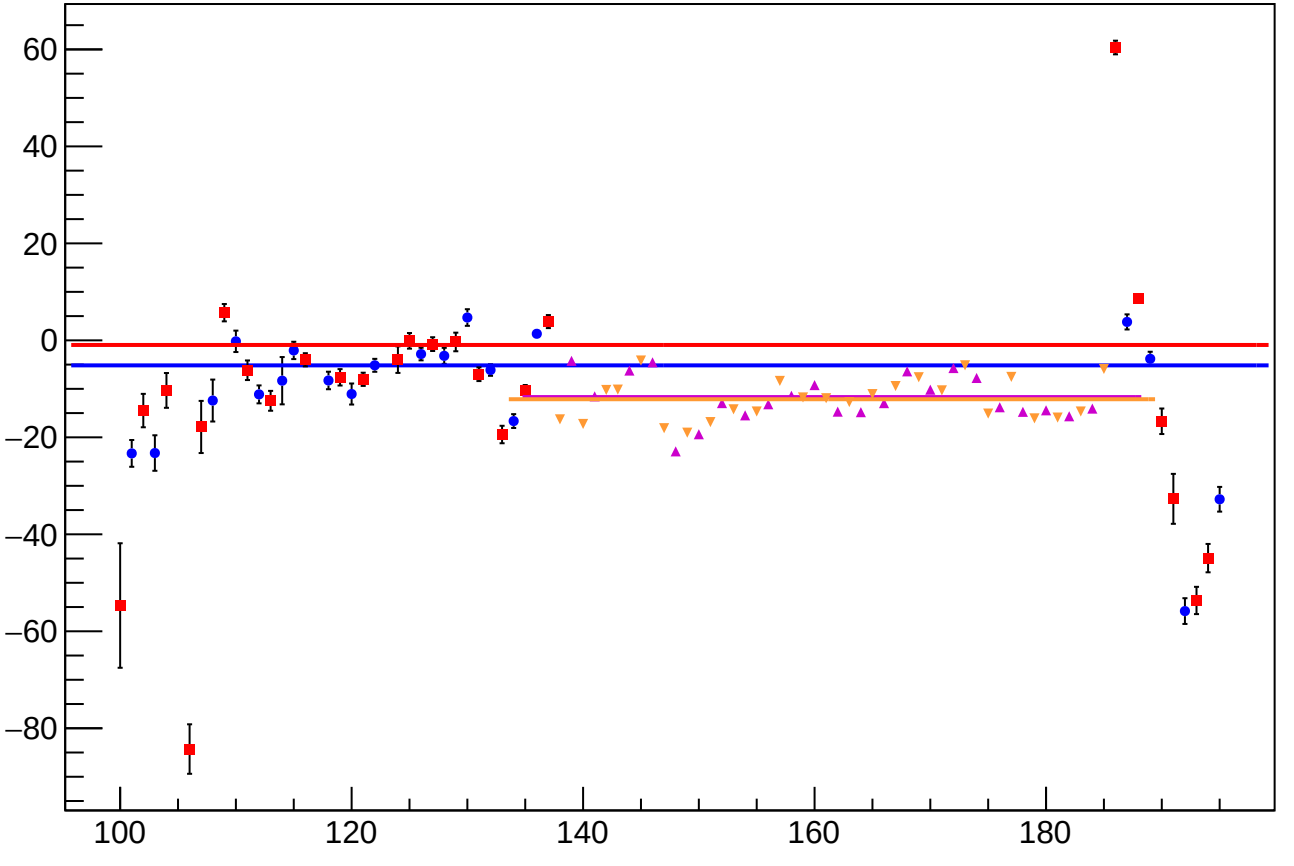
Right: -0.281+/-0.008 χ^2/NDF: 2389.2/44

In: -0.108+/-0.002 χ^2/NDF:1720.3/42

Out: -0.111+/-0.002 χ^2/NDF:2471.2/49

All: -0.109+/-0.002 χ^2/NDF: 4192.5/92

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.160+/-0.353 χ^2/NDF: 810.7/19

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -0.950+/-0.344 χ^2/NDF: 3314.1/24

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

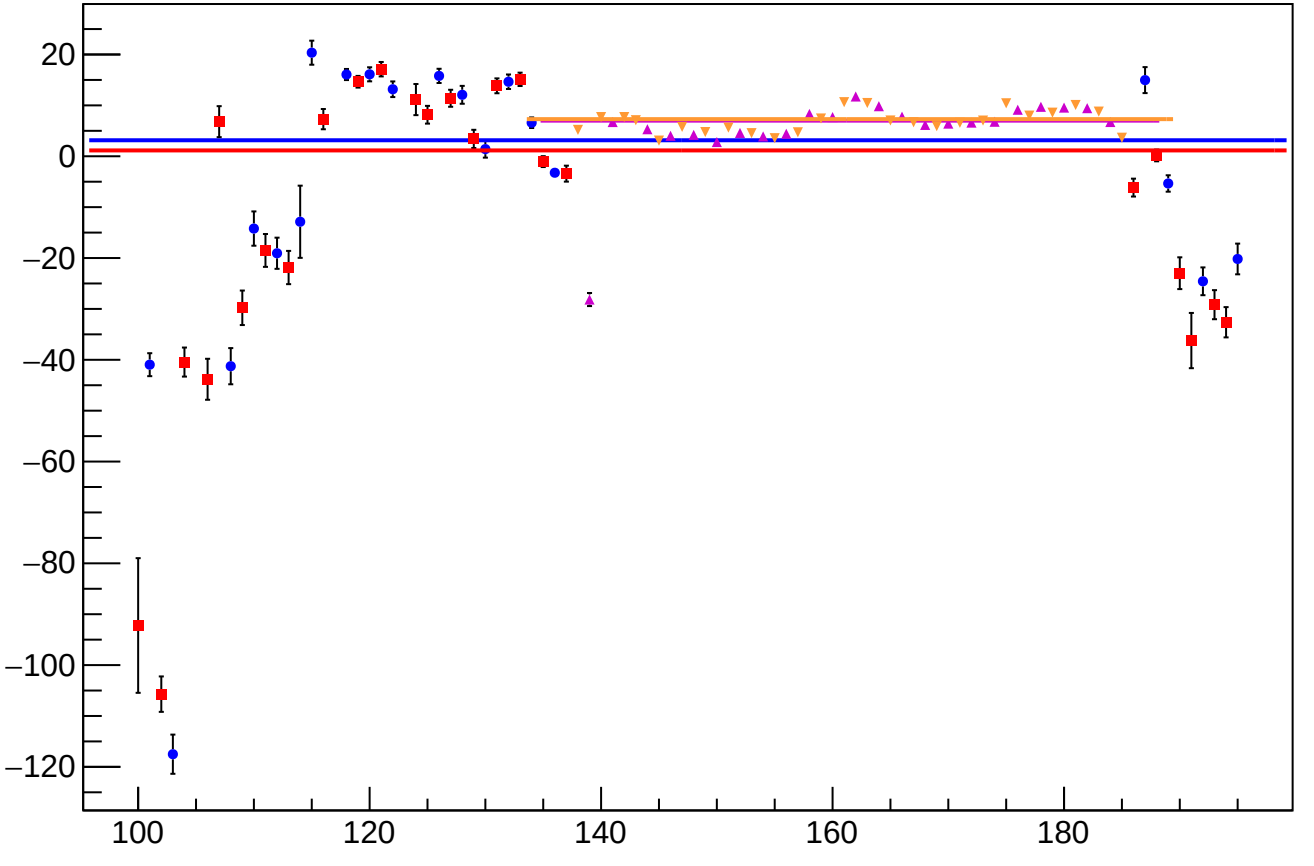
Right: -3.006+/-0.246 χ^2/NDF: 4197.7/44

In: -11.262+/-0.091 χ^2/NDF:3082.5/42

Out: -11.405+/-0.088 χ^2/NDF:6430.9/49

All: -11.336+/-0.063 χ^2/NDF: 9514.7/92

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.146+/-0.365 χ^2/NDF: 2389.9/19

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 1.149+/-0.377 χ^2/NDF: 2410.8/24

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

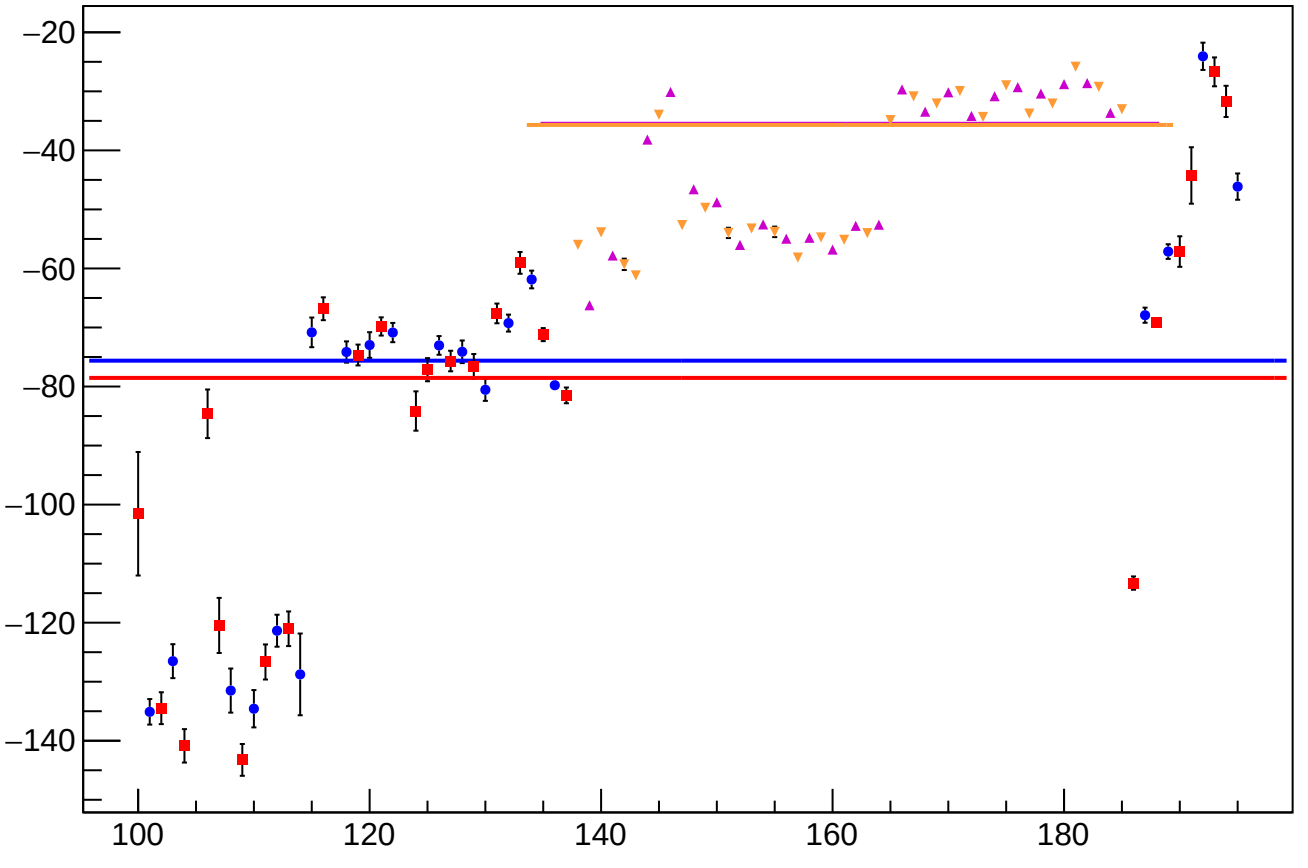
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 2.180+/-0.262 χ^2/NDF: 4815.2/44

In: 6.844+/-0.074 χ^2/NDF:4073.3/42

Out: 7.063+/-0.073 χ^2/NDF:3489.9/49

All: 6.955+/-0.052 χ^2/NDF: 7567.6/92



Right In: -75.621+/-0.368 χ^2/NDF: 3083.8/19

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -78.538+/-0.348 χ^2/NDF: 4372.1/24

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

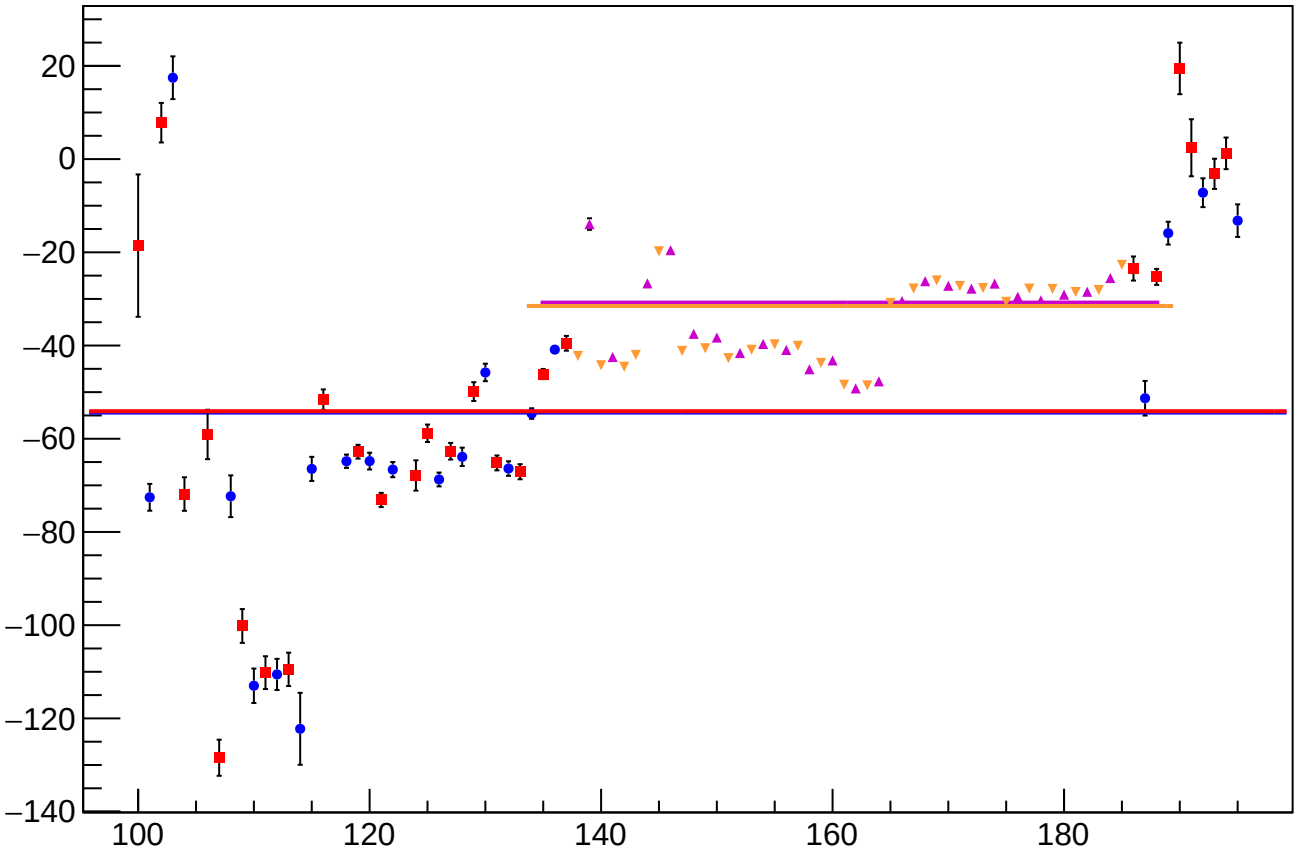
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -77.161+/-0.253 χ^2/NDF: 7489.2/44

In: -37.989+/-0.092 χ^2/NDF:25422.0/42

Out: -38.508+/-0.089 χ^2/NDF:31342.7/49

All: -38.255+/-0.064 χ^2/NDF: 56781.1/92



Right In: -54.384+/-0.410 χ^2/NDF: 2185.7/19

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -54.097+/-0.436 χ^2/NDF: 2961.8/24

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

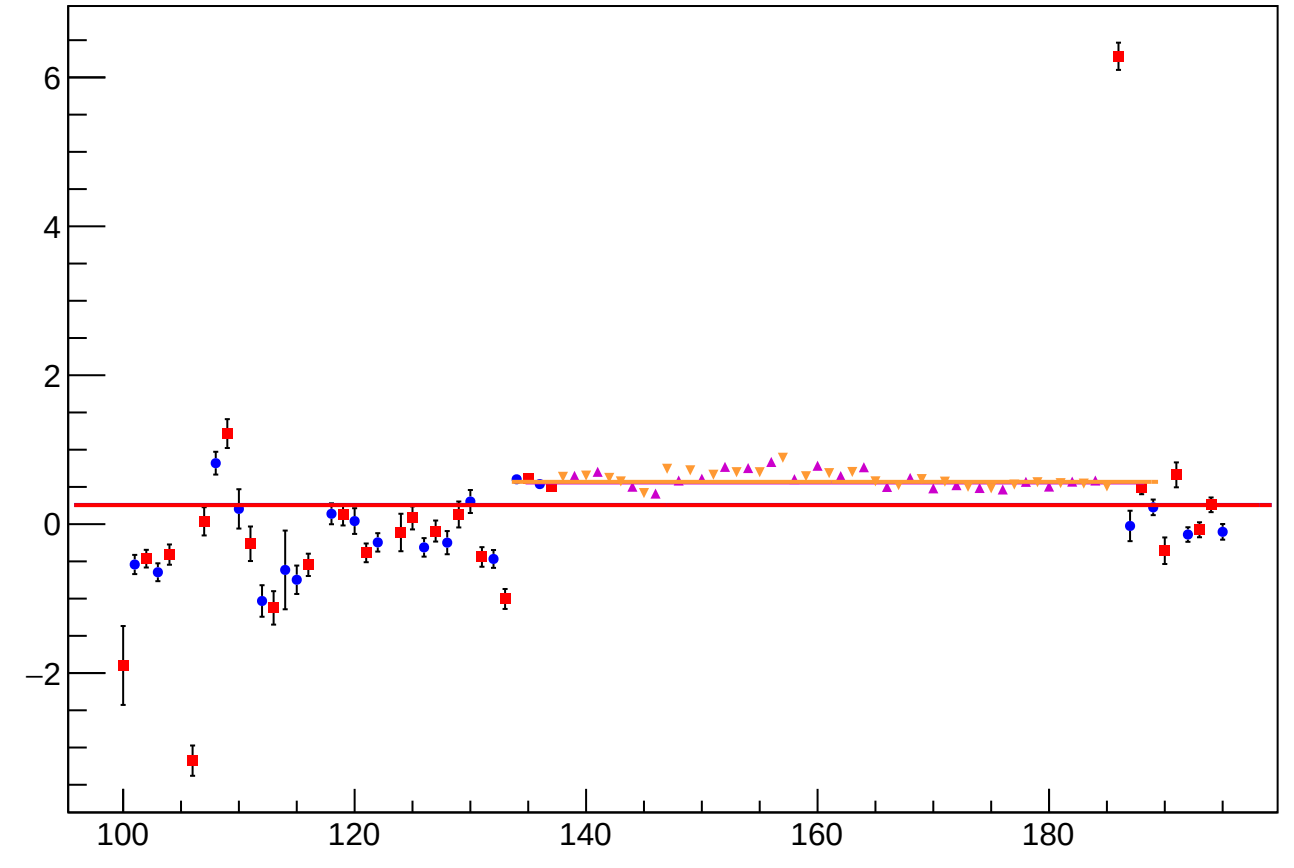
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -54.249+/-0.299 χ^2/NDF: 5147.7/44

In: -31.745+/-0.083 χ^2/NDF:12908.8/42

Out: -32.305+/-0.081 χ^2/NDF:14007.1/49

All: -32.030+/-0.058 χ^2/NDF: 26939.3/92



Right In: 0.258+/-0.021 χ^2/NDF: 408.9/19

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.256+/-0.023 χ^2/NDF: 1816.9/24

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

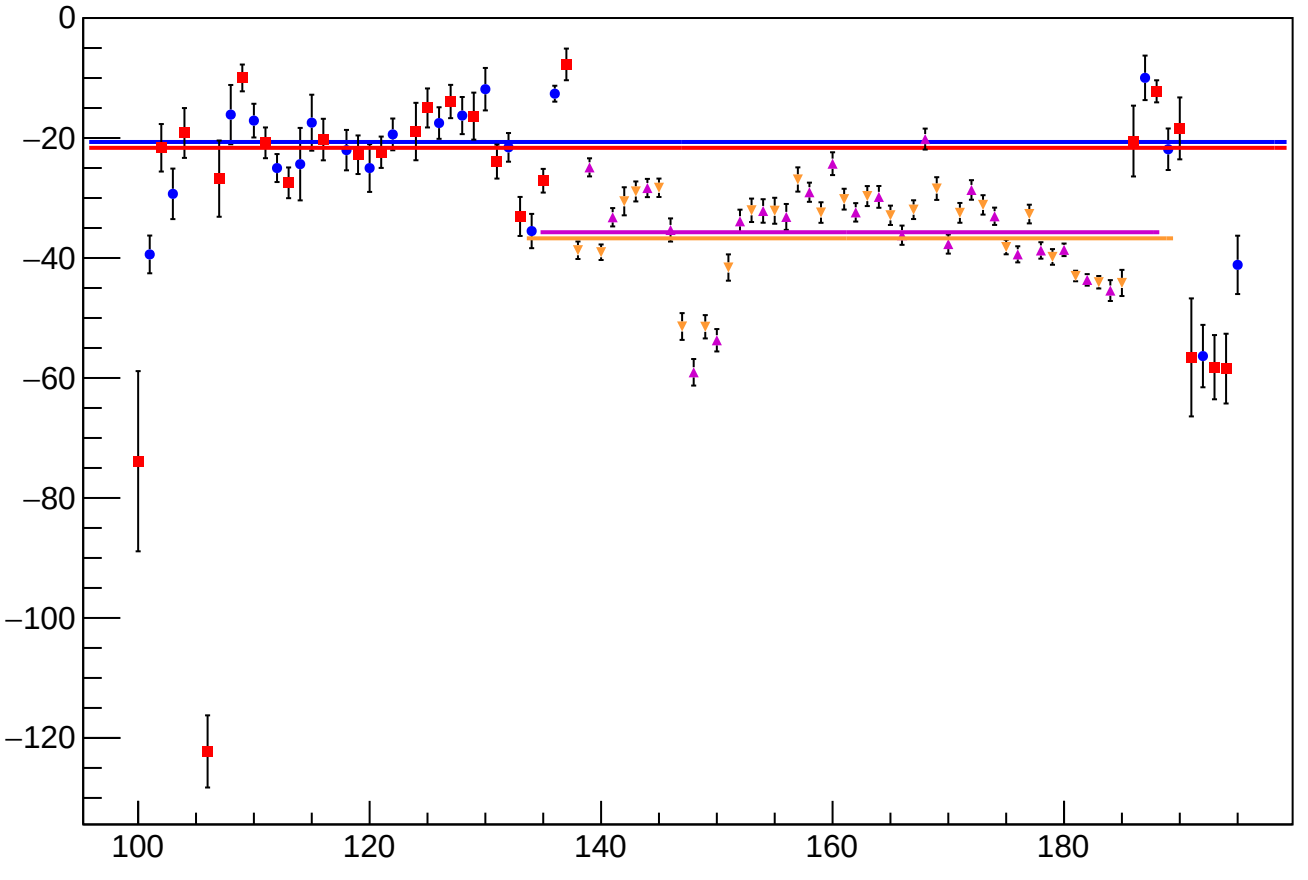
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.257+/-0.016 χ^2/NDF: 2225.8/44

In: 0.551+/-0.004 χ^2/NDF:1275.6/42

Out: 0.561+/-0.004 χ^2/NDF:2549.0/49

All: 0.556+/-0.003 χ^2/NDF: 3828.2/92



Right In: -20.664+/-0.658 χ^2/NDF: 194.9/19

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -21.638+/-0.645 χ^2/NDF: 514.4/24

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

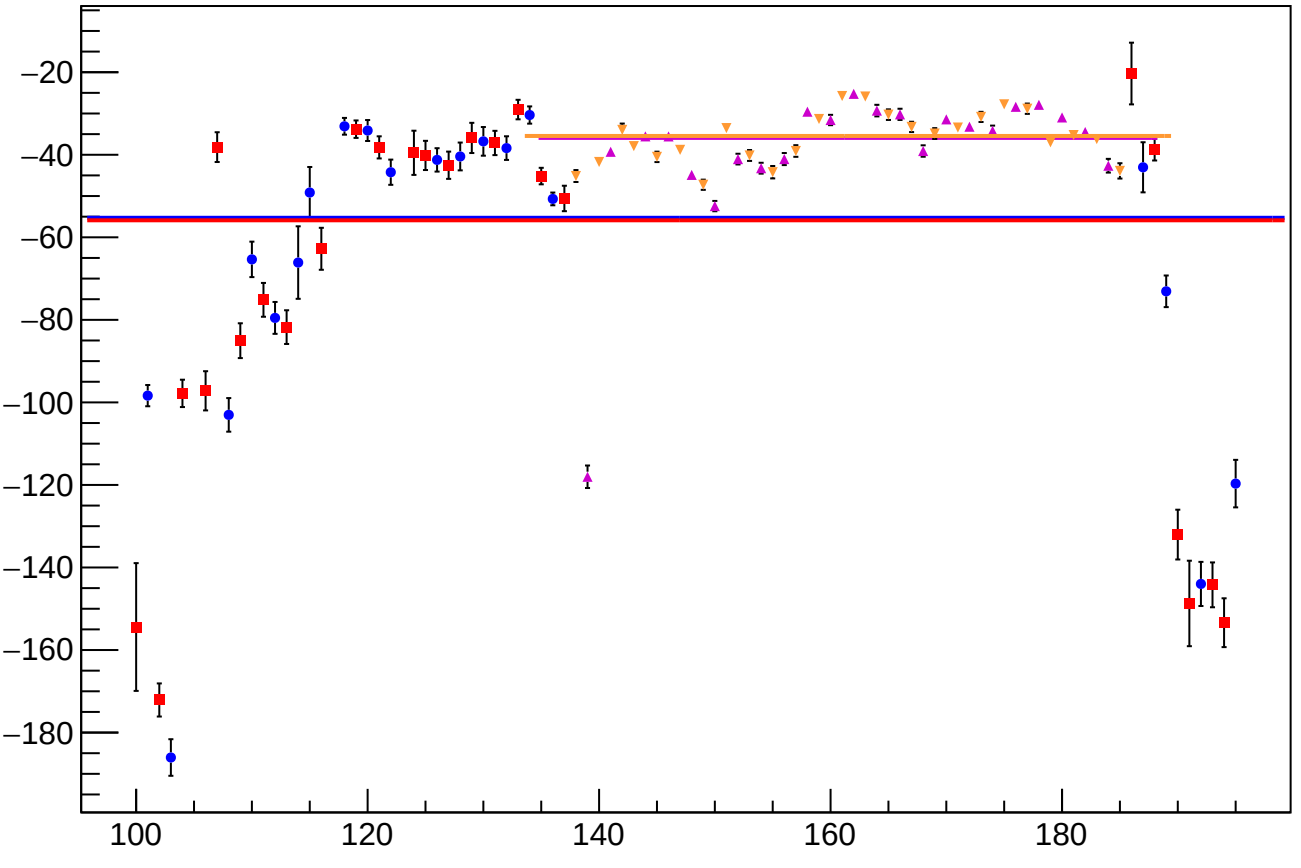
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -21.160+/-0.461 χ^2/NDF: 710.4/44

In: -32.785+/-0.290 χ^2/NDF:1194.2/42

Out: -33.894+/-0.280 χ^2/NDF:1378.9/49

All: -33.360+/-0.201 χ^2/NDF: 2580.7/92



Right In: -55.269+/-0.681 χ^2/NDF: 2222.0/19

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -55.877+/-0.699 χ^2/NDF: 2521.2/24

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

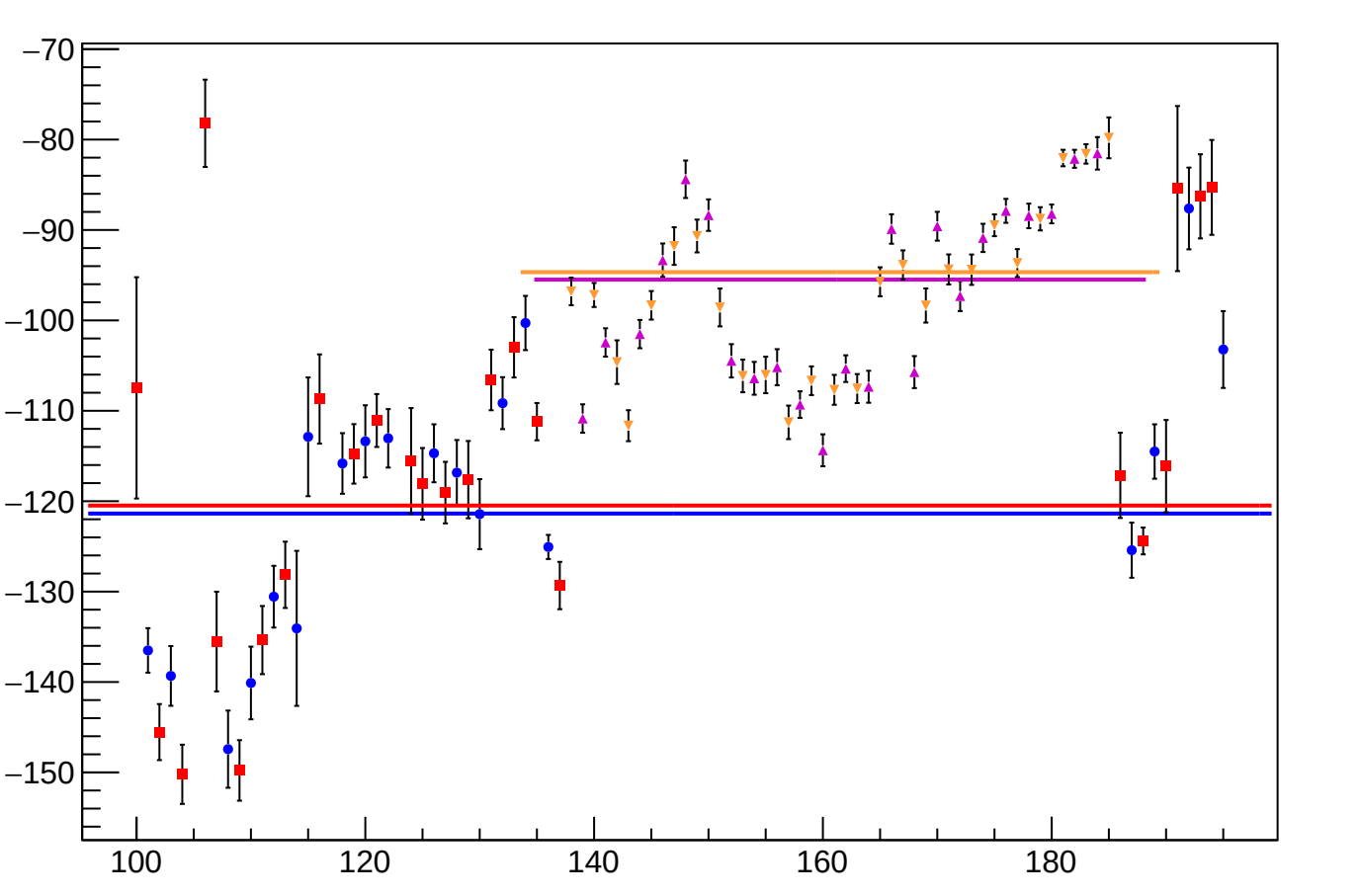
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -55.566+/-0.488 χ^2/NDF: 4743.6/44

In: -38.310+/-0.240 χ^2/NDF:4472.4/42

Out: -37.678+/-0.231 χ^2/NDF:3821.0/49

All: -37.983+/-0.166 χ^2/NDF: 8297.0/92



Right In: -121.366+/-0.690 χ^2/NDF: 312.6/19

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -120.482+/-0.676 χ^2/NDF: 548.5/24

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

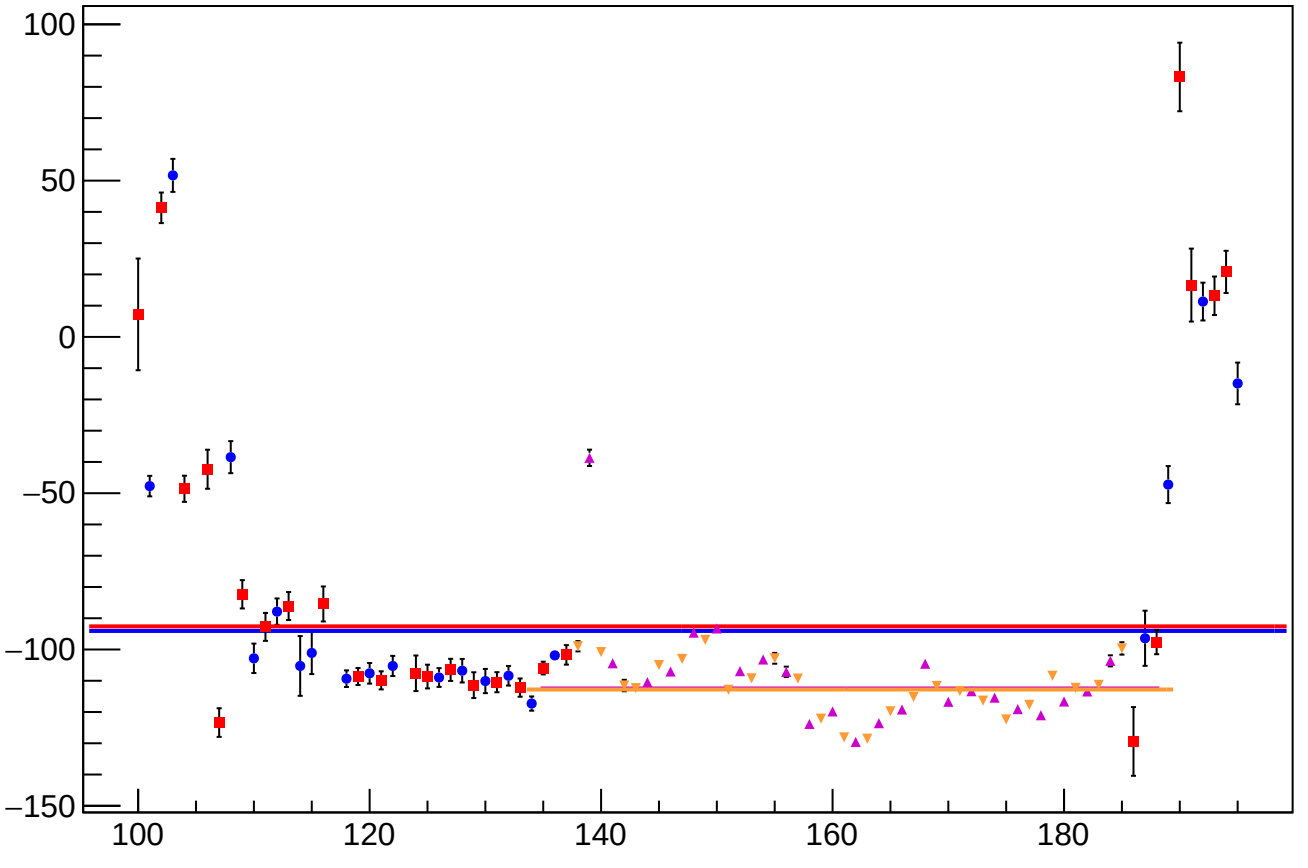
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -120.915+/-0.483 χ^2/NDF: 862.0/44

In: -100.096+/-0.291 χ^2/NDF:2438.5/42

Out: -99.148+/-0.282 χ^2/NDF:2655.1/49

All: -99.607+/-0.202 χ^2/NDF: 5099.0/92



Right In: -94.062+/-0.771 χ^2/NDF: 1860.4/19

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -92.599+/-0.804 χ^2/NDF: 2205.1/24

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

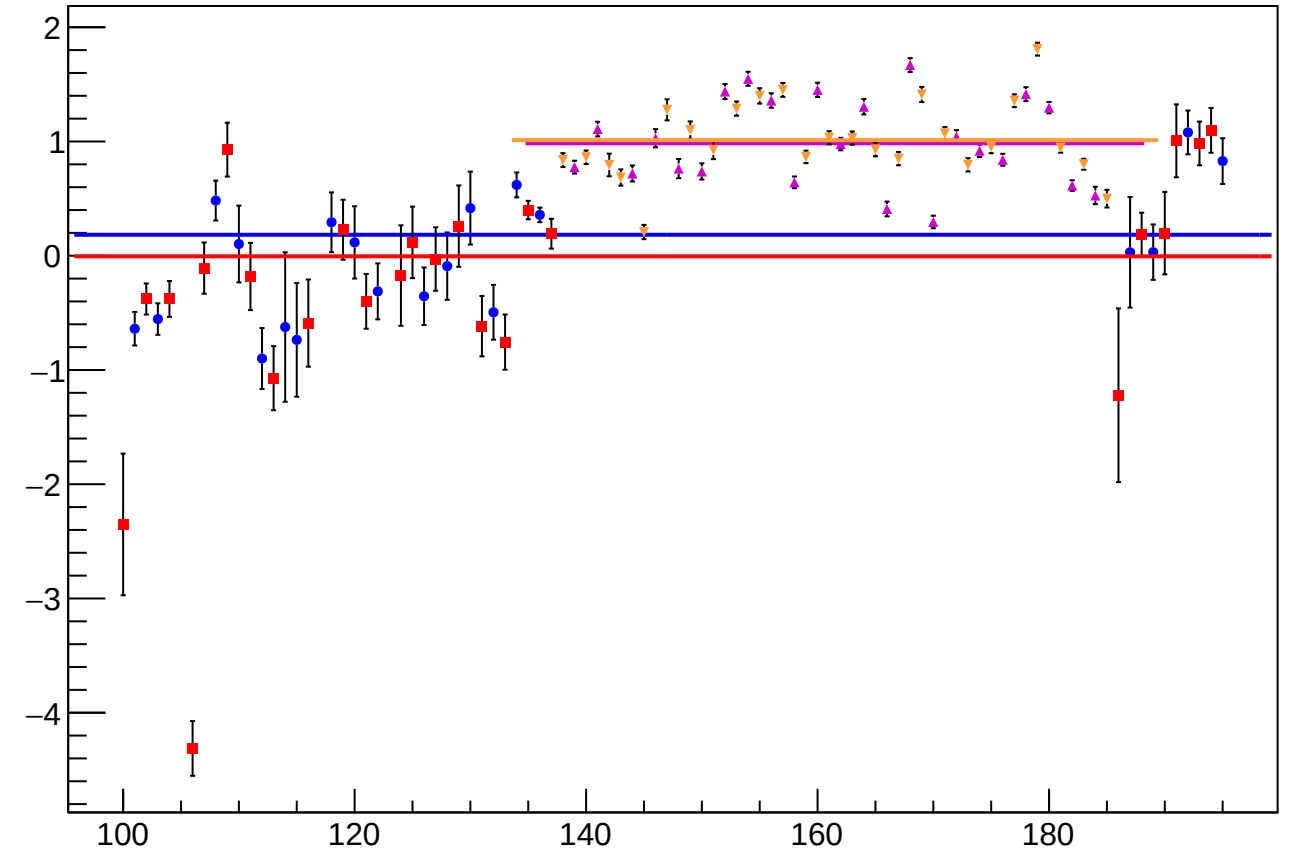
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -93.361+/-0.557 χ^2/NDF: 4067.2/44

In: -110.256+/-0.267 χ^2/NDF:4150.1/42

Out: -110.692+/-0.259 χ^2/NDF:3706.6/49

All: -110.481+/-0.186 χ^2/NDF: 7858.1/92



Right In: 0.184+/-0.039 χ^2/NDF: 159.0/19

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.005+/-0.041 χ^2/NDF: 502.9/24

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

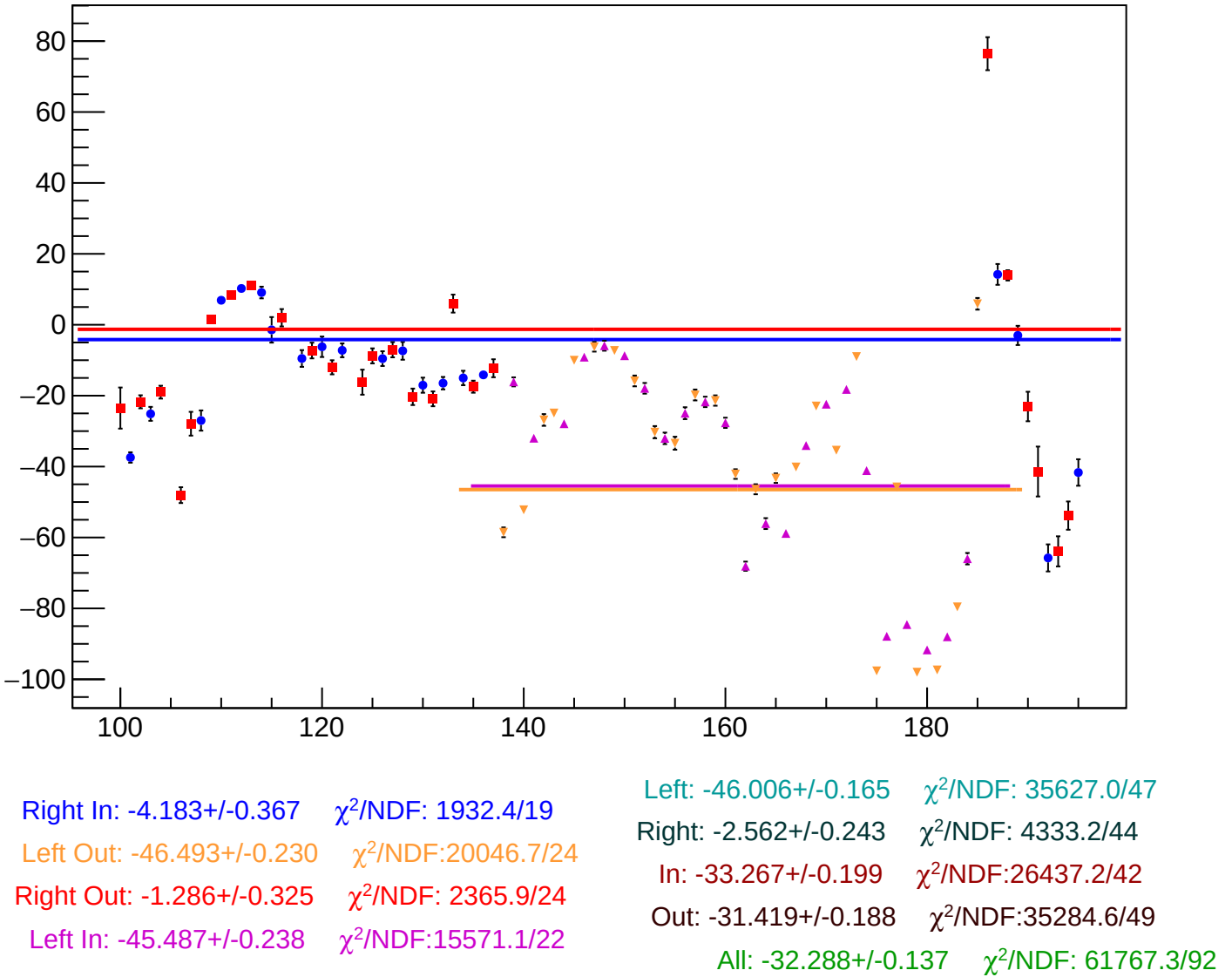
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

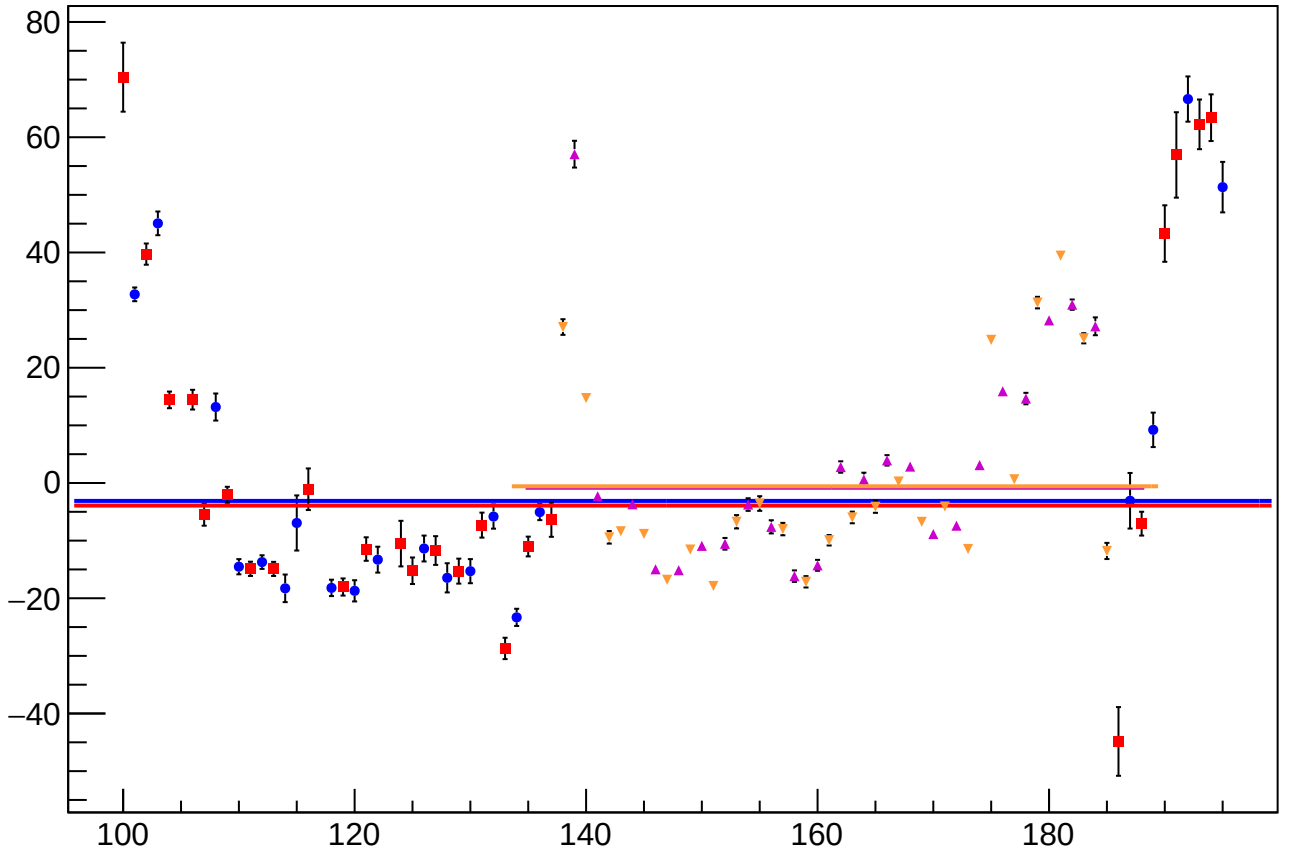
Right: 0.094+/-0.028 χ^2/NDF: 673.1/44

In: 0.909+/-0.012 χ^2/NDF:1443.4/42

Out: 0.928+/-0.012 χ^2/NDF:1759.2/49

All: 0.919+/-0.008 χ^2/NDF: 3204.0/92


reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
Right In: -4.183+/-0.367 χ²/NDF: 1932.4/19
Left Out: -46.493+/-0.230 χ²/NDF:20046.7/24
Right Out: -1.286+/-0.325 χ²/NDF: 2365.9/24
Left In: -45.487+/-0.238 χ²/NDF:15571.1/22
Left: -46.006+/-0.165 χ²/NDF: 35627.0/47
Right: -2.562+/-0.243 χ²/NDF: 4333.2/44
In: -33.267+/-0.199 χ²/NDF:26437.2/42
Out: -31.419+/-0.188 χ²/NDF:35284.6/49
All: -32.288+/-0.137 χ²/NDF: 61767.3/92



Right In: -3.107+/-0.420 χ^2/NDF: 2649.2/19

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -3.916+/-0.407 χ^2/NDF: 2243.5/24

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

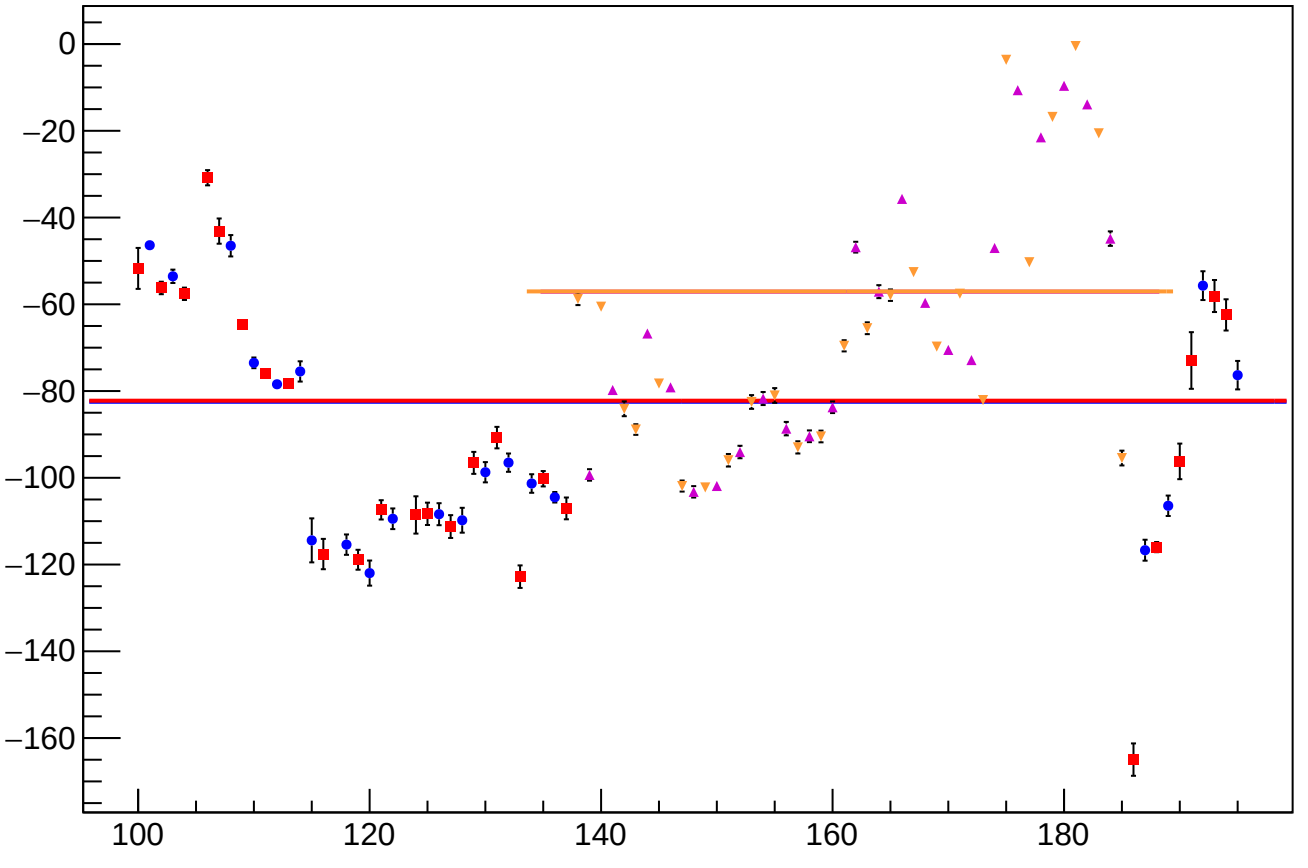
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -3.525+/-0.292 χ^2/NDF: 4894.6/44

In: -1.191+/-0.168 χ^2/NDF:8790.4/42

Out: -1.106+/-0.162 χ^2/NDF:10751.8/49

All: -1.147+/-0.117 χ^2/NDF: 19542.4/92



Right In: -82.475+/-0.417 χ^2/NDF: 3253.5/19

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.225+/-0.384 χ^2/NDF: 4674.3/24

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

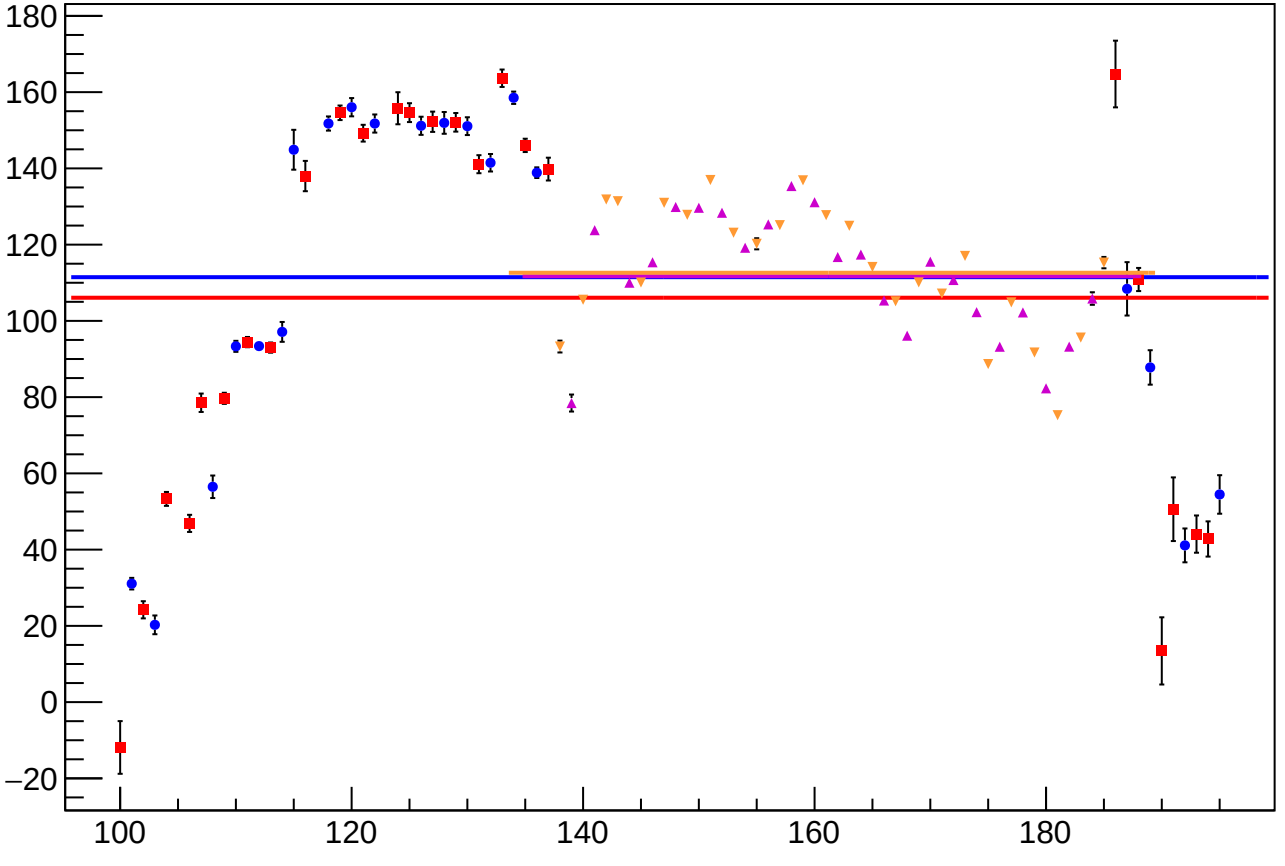
Right: -82.340+/-0.283 χ^2/NDF: 7928.0/44

In: -63.263+/-0.206 χ^2/NDF:23220.2/42

Out: -63.682+/-0.197 χ^2/NDF:28156.0/49

All: -63.481+/-0.142 χ^2/NDF: 51378.3/92

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.464+/-0.480 χ^2/NDF: 8621.8/19

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 106.075+/-0.467 χ^2/NDF: 8103.9/24

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

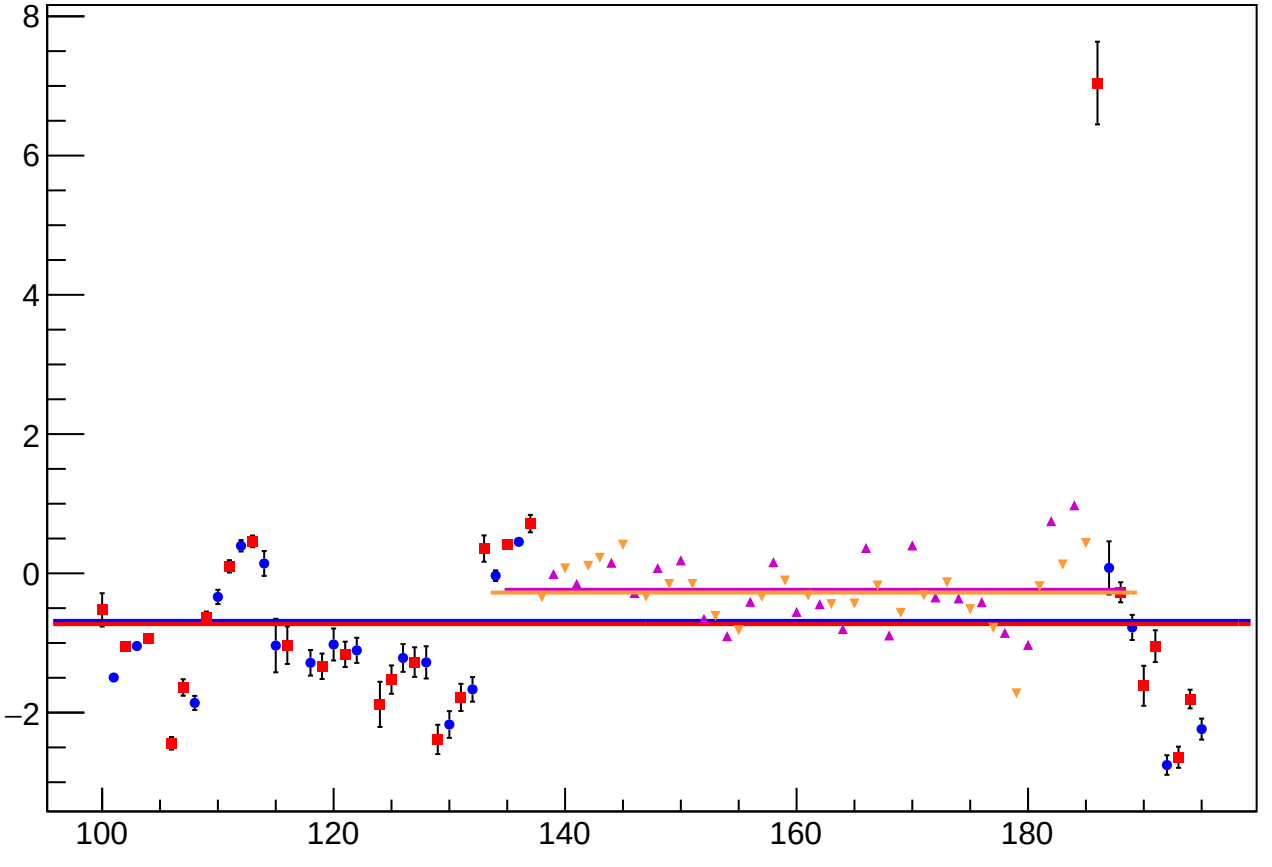
Right: 108.694+/-0.335 χ^2/NDF: 16790.5/44

In: 111.680+/-0.189 χ^2/NDF:13518.8/42

Out: 111.609+/-0.184 χ^2/NDF:14978.3/49

All: 111.644+/-0.132 χ^2/NDF: 28497.2/92

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.683+/-0.025 χ^2/NDF: 1444.1/19

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.730+/-0.024 χ^2/NDF: 1738.8/24

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

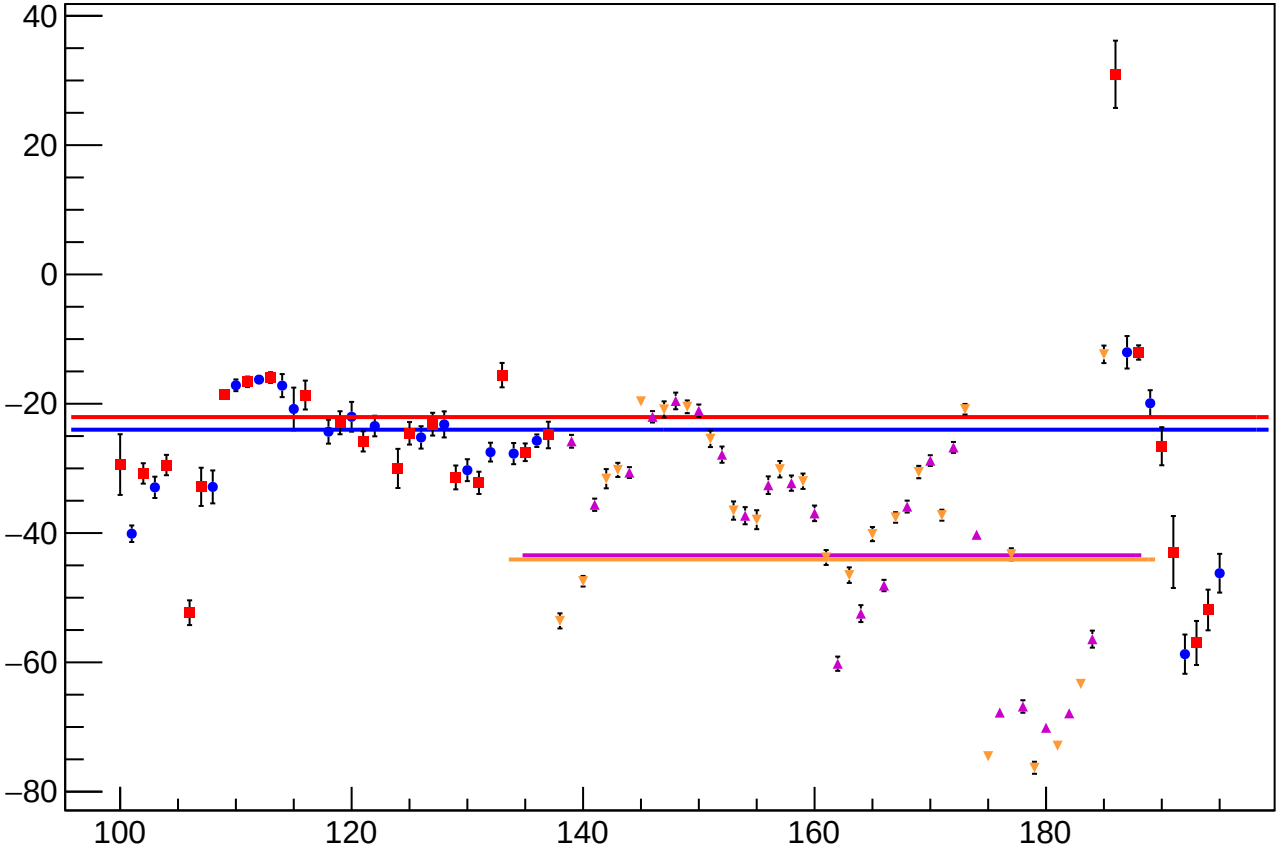
Right: -0.707+/-0.017 χ^2/NDF: 3184.7/44

In: -0.291+/-0.009 χ^2/NDF:4691.6/42

Out: -0.332+/-0.008 χ^2/NDF:4177.6/49

All: -0.312+/-0.006 χ^2/NDF: 8881.1/92

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.012+/-0.336 χ^2/NDF: 620.3/19

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.063+/-0.304 χ^2/NDF: 948.9/24

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

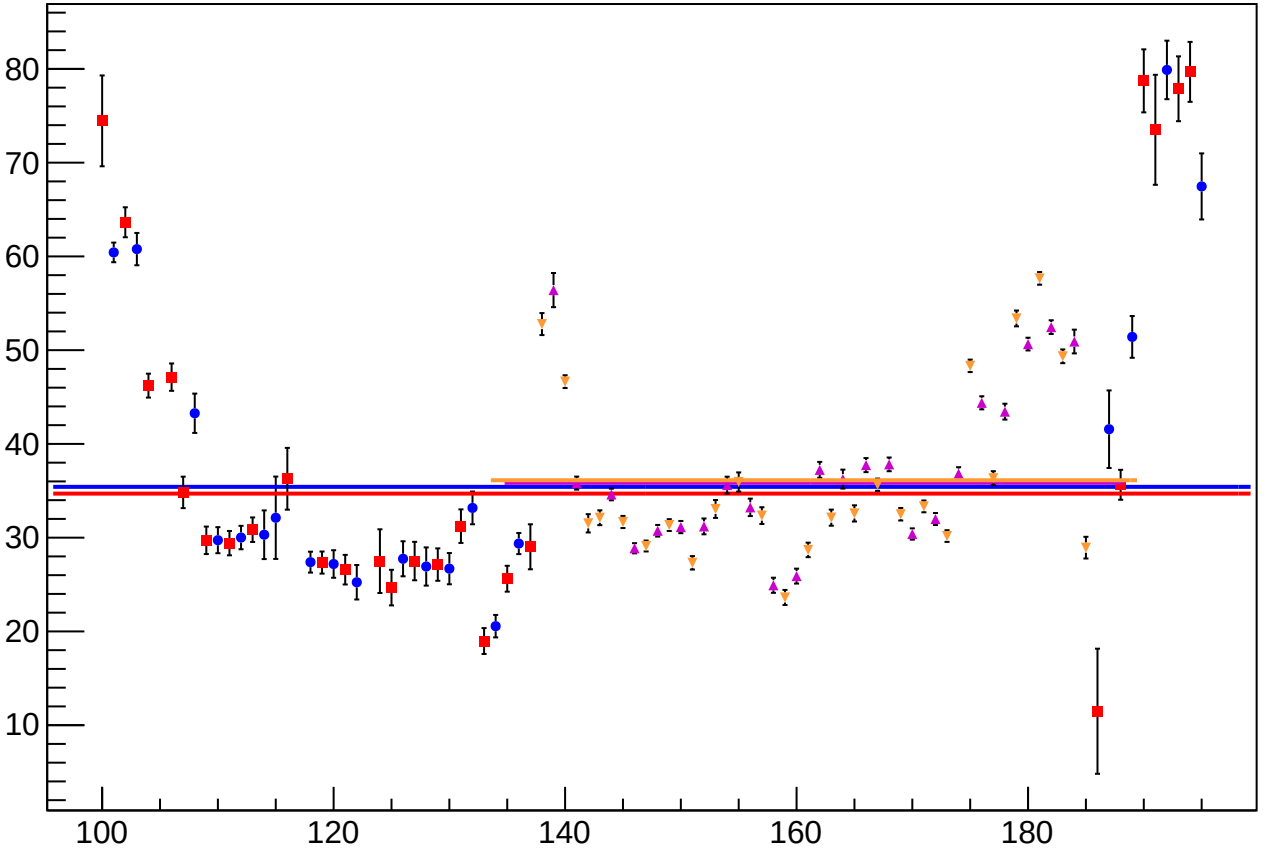
Right: -22.940+/-0.225 χ^2/NDF: 1587.7/44

In: -38.405+/-0.171 χ^2/NDF:10920.4/42

Out: -37.751+/-0.163 χ^2/NDF:15034.7/49

All: -38.062+/-0.118 χ^2/NDF: 25962.8/92

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 35.421+/-0.364 χ^2/NDF: 1540.2/19

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 34.700+/-0.355 χ^2/NDF: 1479.7/24

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

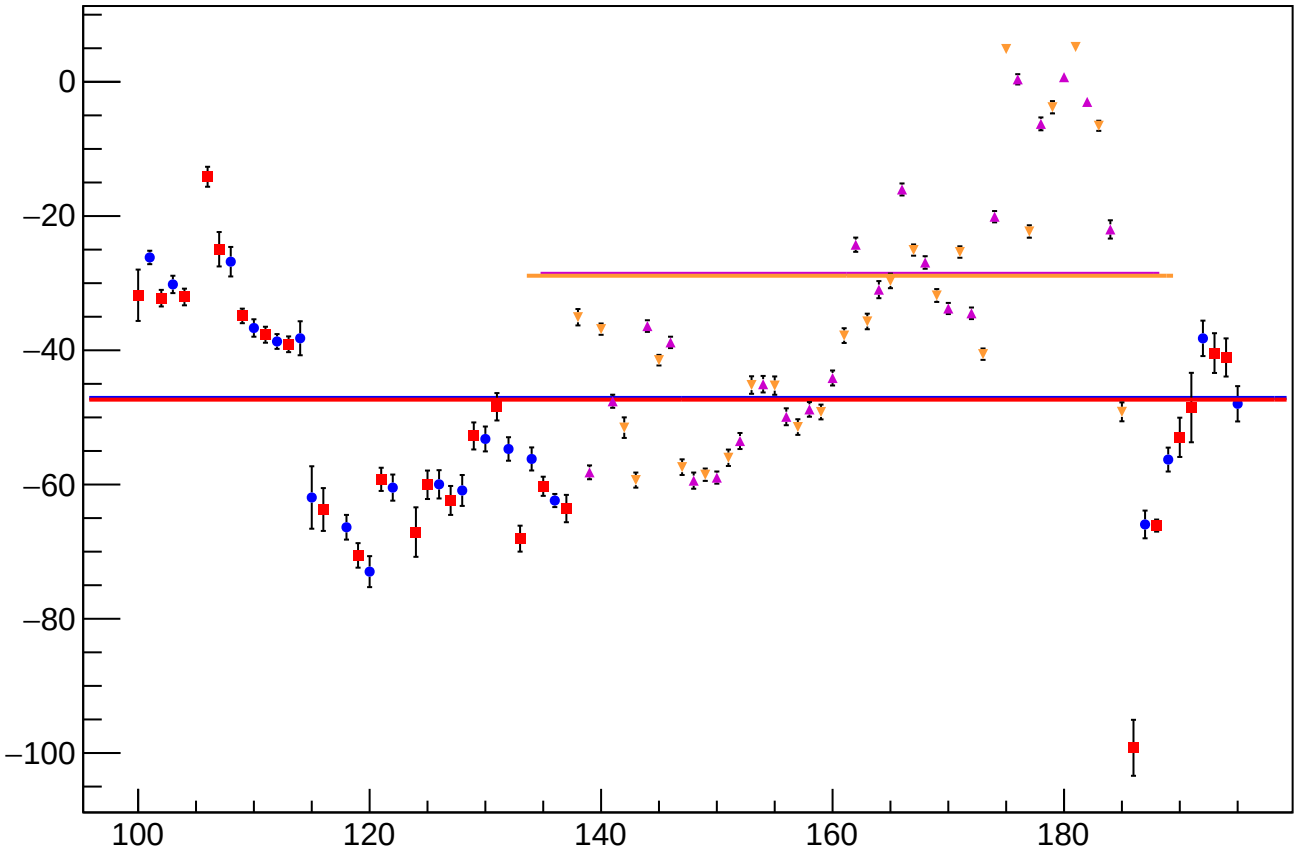
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 35.052+/-0.254 χ^2/NDF: 3021.9/44

In: 35.786+/-0.143 χ^2/NDF:3834.9/42

Out: 35.908+/-0.138 χ^2/NDF:5051.8/49

All: 35.849+/-0.099 χ^2/NDF: 8887.1/92



Right In: -47.097+/-0.367 χ^2/NDF: 1616.7/19

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.352+/-0.340 χ^2/NDF: 2359.0/24

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

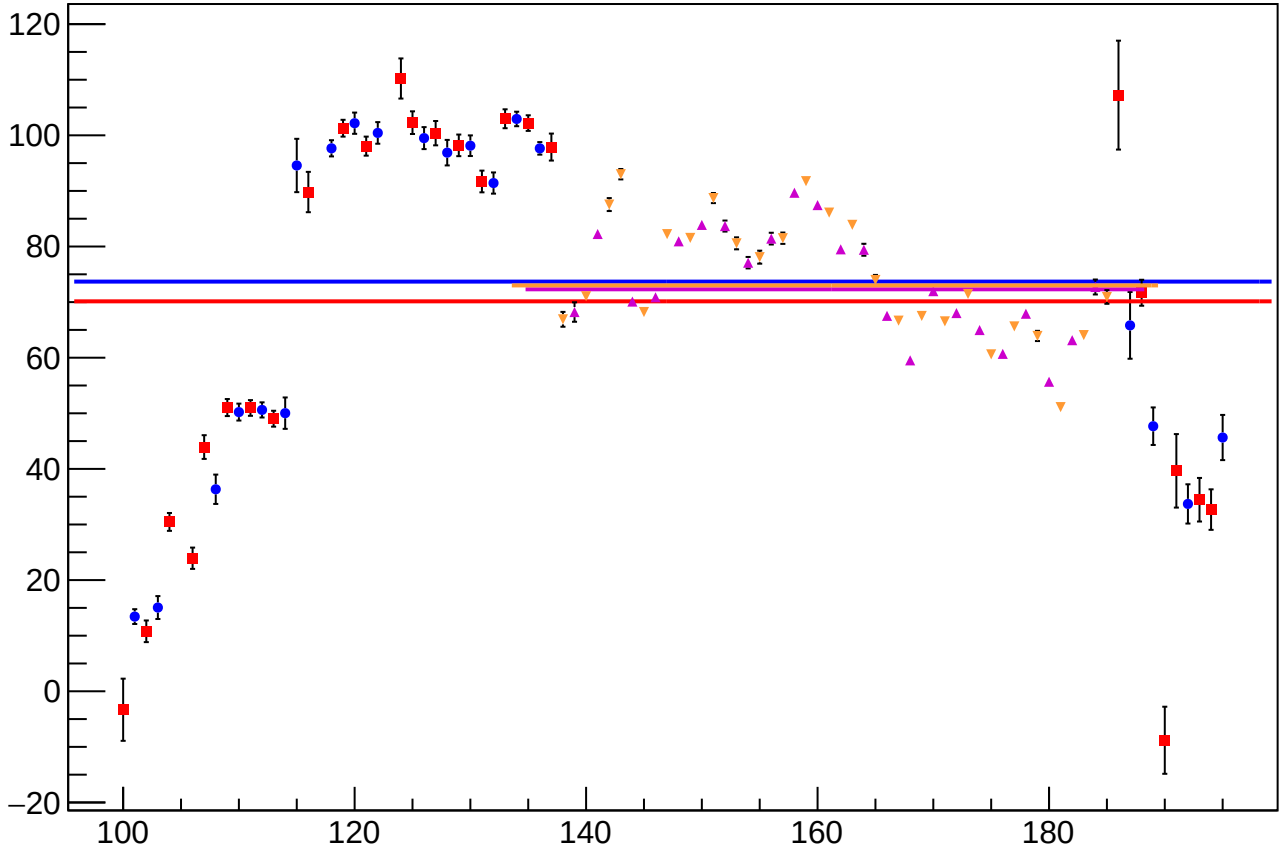
Right: -47.234+/-0.249 χ^2/NDF: 3976.0/44

In: -32.763+/-0.174 χ^2/NDF:13597.5/42

Out: -33.390+/-0.168 χ^2/NDF:16392.9/49

All: -33.089+/-0.121 χ^2/NDF: 29997.1/92

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 73.690+/-0.418 χ^2/NDF: 6075.3/19

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 70.139+/-0.412 χ^2/NDF: 6033.7/24

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

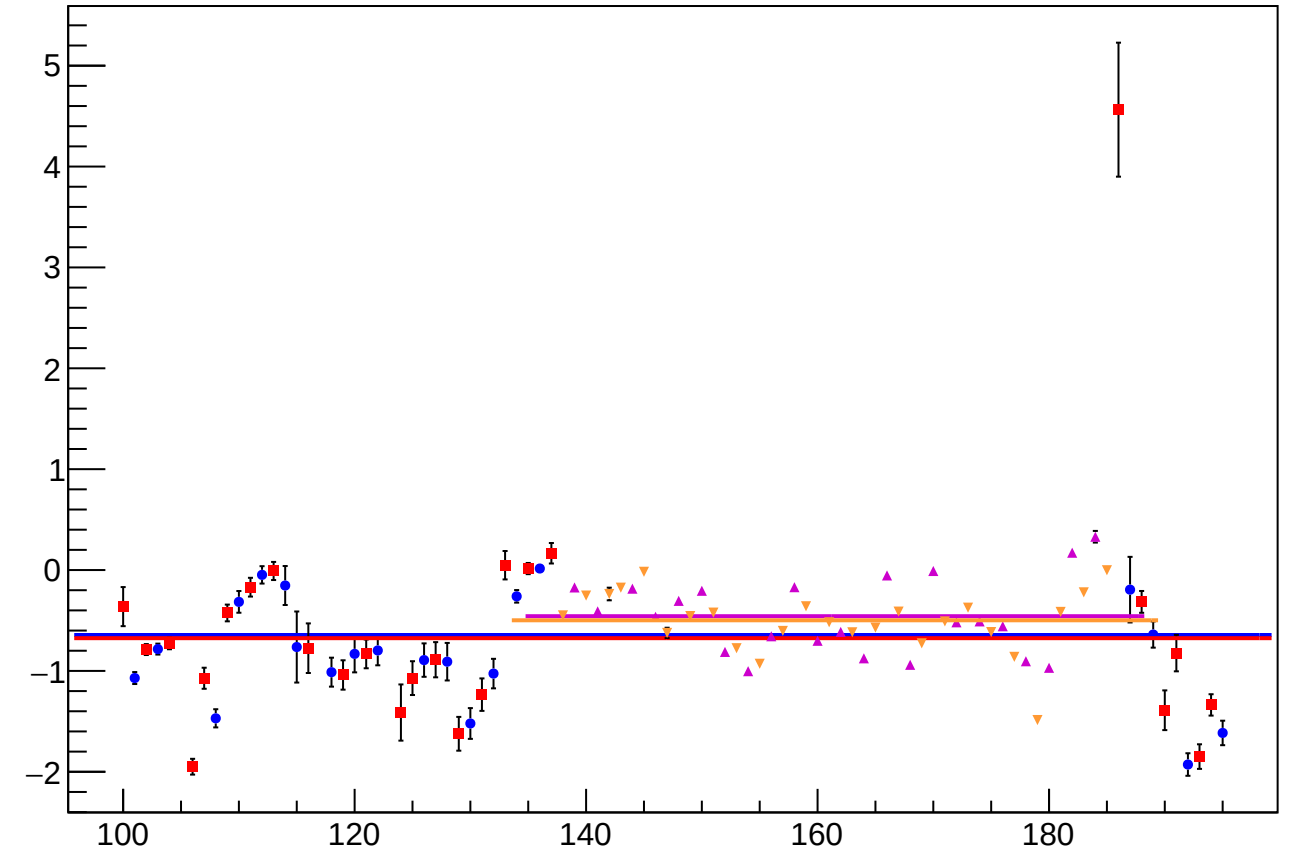
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 71.888+/-0.293 χ^2/NDF: 12145.7/44

In: 72.506+/-0.160 χ^2/NDF:8997.2/42

Out: 72.591+/-0.156 χ^2/NDF:10127.6/49

All: 72.550+/-0.112 χ^2/NDF: 19125.0/92



Right In: -0.644+/-0.021 χ^2/NDF: 704.2/19

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.675+/-0.021 χ^2/NDF: 915.8/24

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

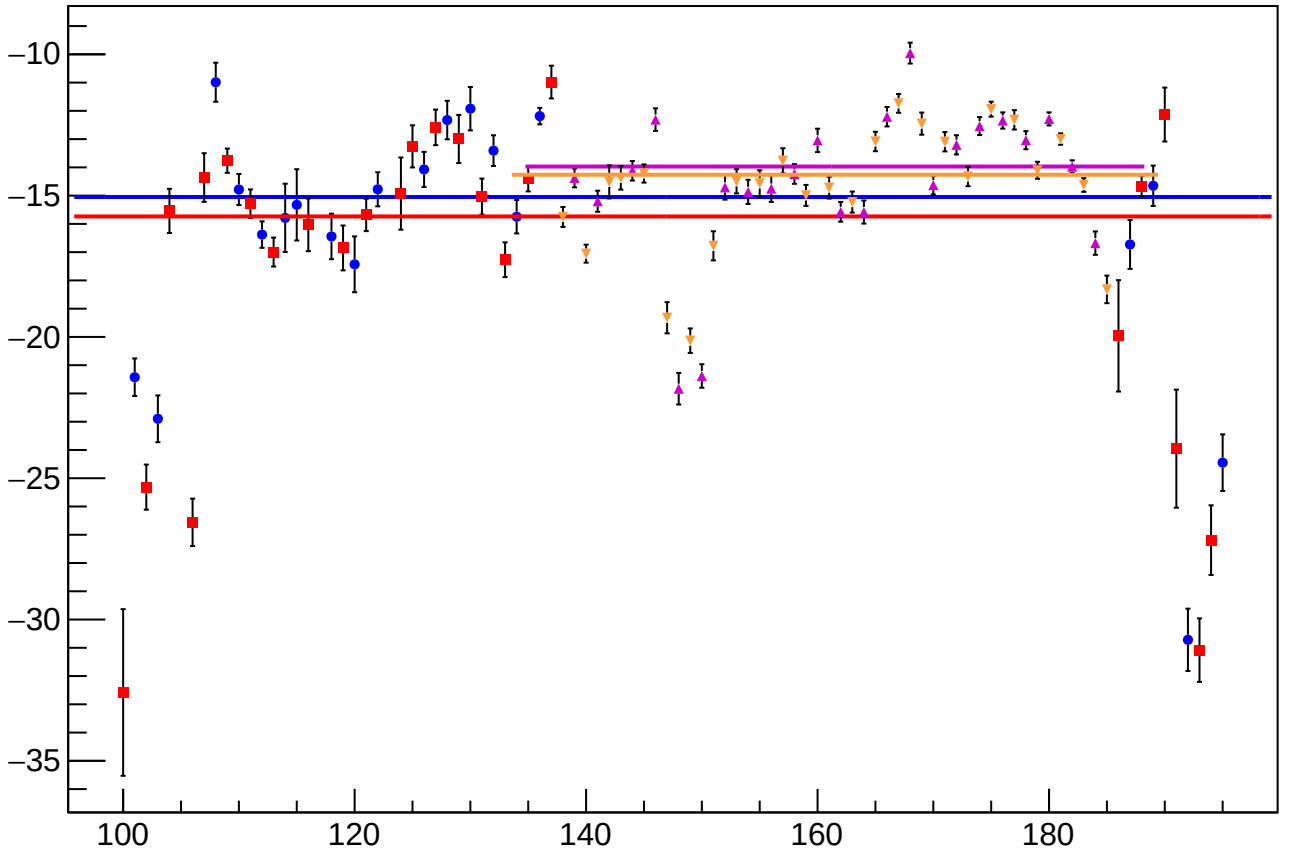
Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

Right: -0.660+/-0.015 χ^2/NDF: 1621.1/44

In: -0.479+/-0.007 χ^2/NDF:2876.1/42

Out: -0.519+/-0.007 χ^2/NDF:2463.5/49

All: -0.499+/-0.005 χ^2/NDF: 5354.9/92



Right In: -15.048+/-0.142 χ^2/NDF: 670.1/19

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.736+/-0.135 χ^2/NDF: 822.0/24

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

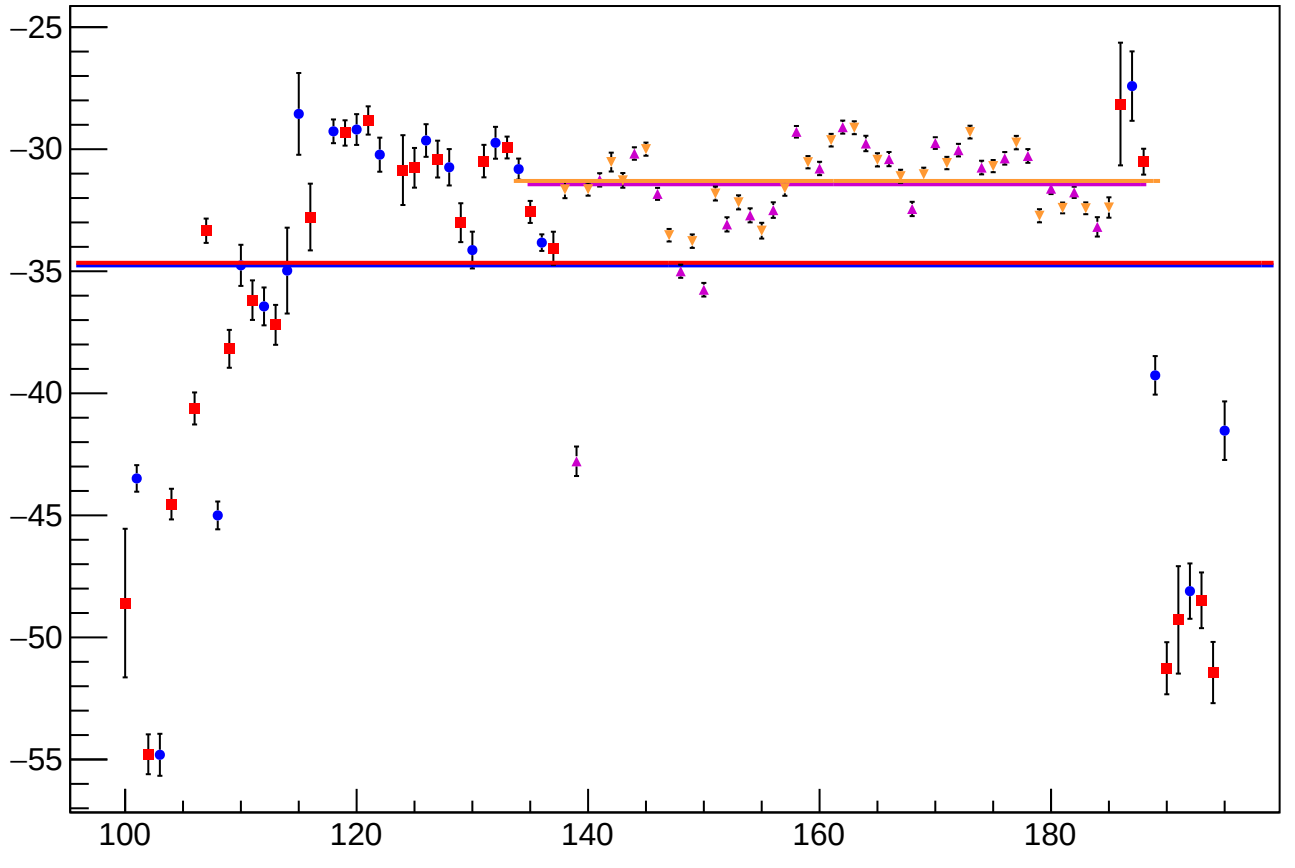
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -15.408+/-0.098 χ^2/NDF: 1504.5/44

In: -14.191+/-0.064 χ^2/NDF:1623.9/42

Out: -14.571+/-0.062 χ^2/NDF:1640.4/49

All: -14.388+/-0.045 χ^2/NDF: 3282.5/92



Right In: -34.760+/-0.147 χ^2/NDF: 1858.4/19

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.653+/-0.144 χ^2/NDF: 2127.5/24

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

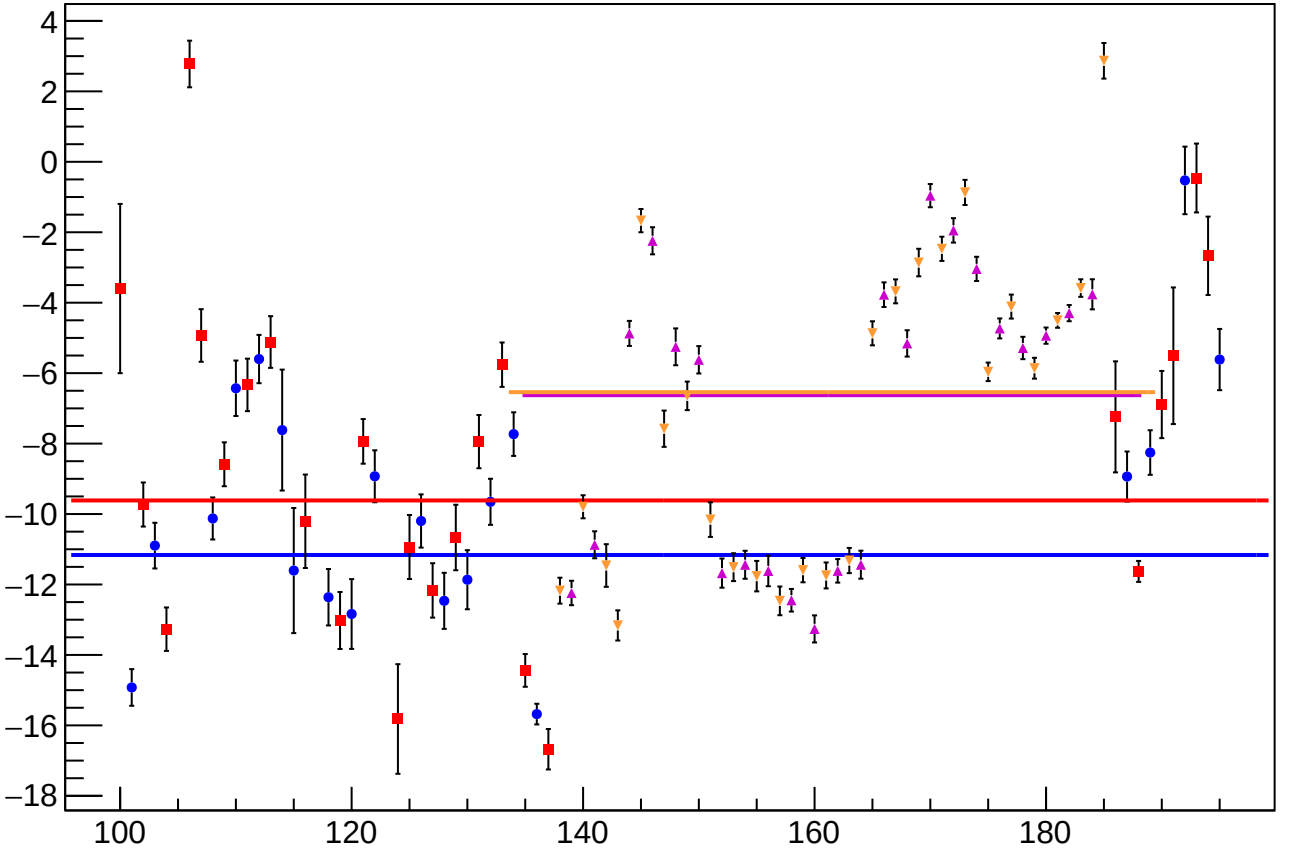
Right: -34.705+/-0.103 χ^2/NDF: 3986.2/44

In: -31.873+/-0.053 χ^2/NDF:3515.8/42

Out: -31.731+/-0.052 χ^2/NDF:3153.9/49

All: -31.800+/-0.037 χ^2/NDF: 6673.3/92

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.162+/-0.148 χ^2/NDF: 648.6/19

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.614+/-0.139 χ^2/NDF: 1034.8/24

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

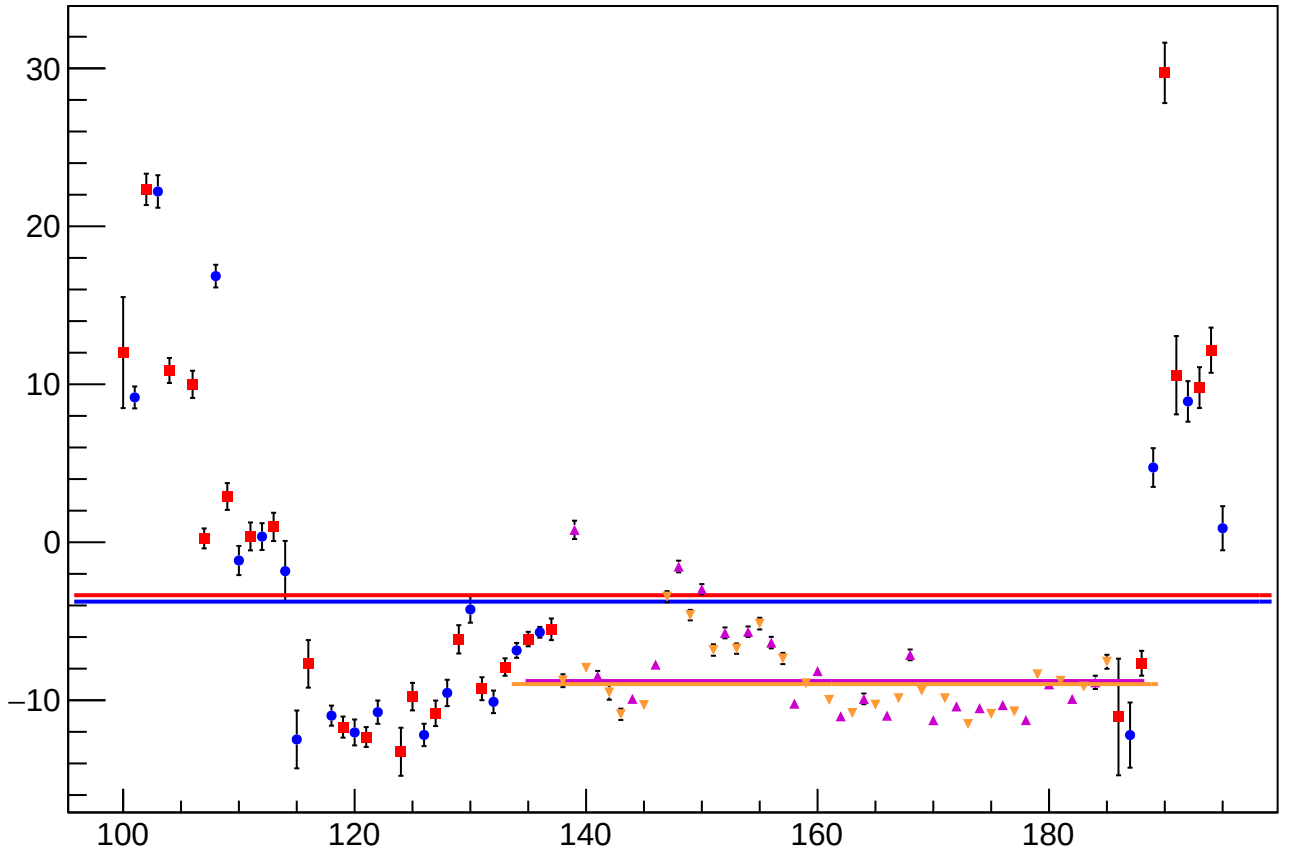
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -10.343+/-0.101 χ^2/NDF: 1741.6/44

In: -7.486+/-0.064 χ^2/NDF:4322.0/42

Out: -7.154+/-0.062 χ^2/NDF:4667.6/49

All: -7.314+/-0.045 χ^2/NDF: 9003.4/92



Right In: -3.756+/-0.167 χ^2/NDF: 2704.0/19

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.351+/-0.168 χ^2/NDF: 2707.2/24

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

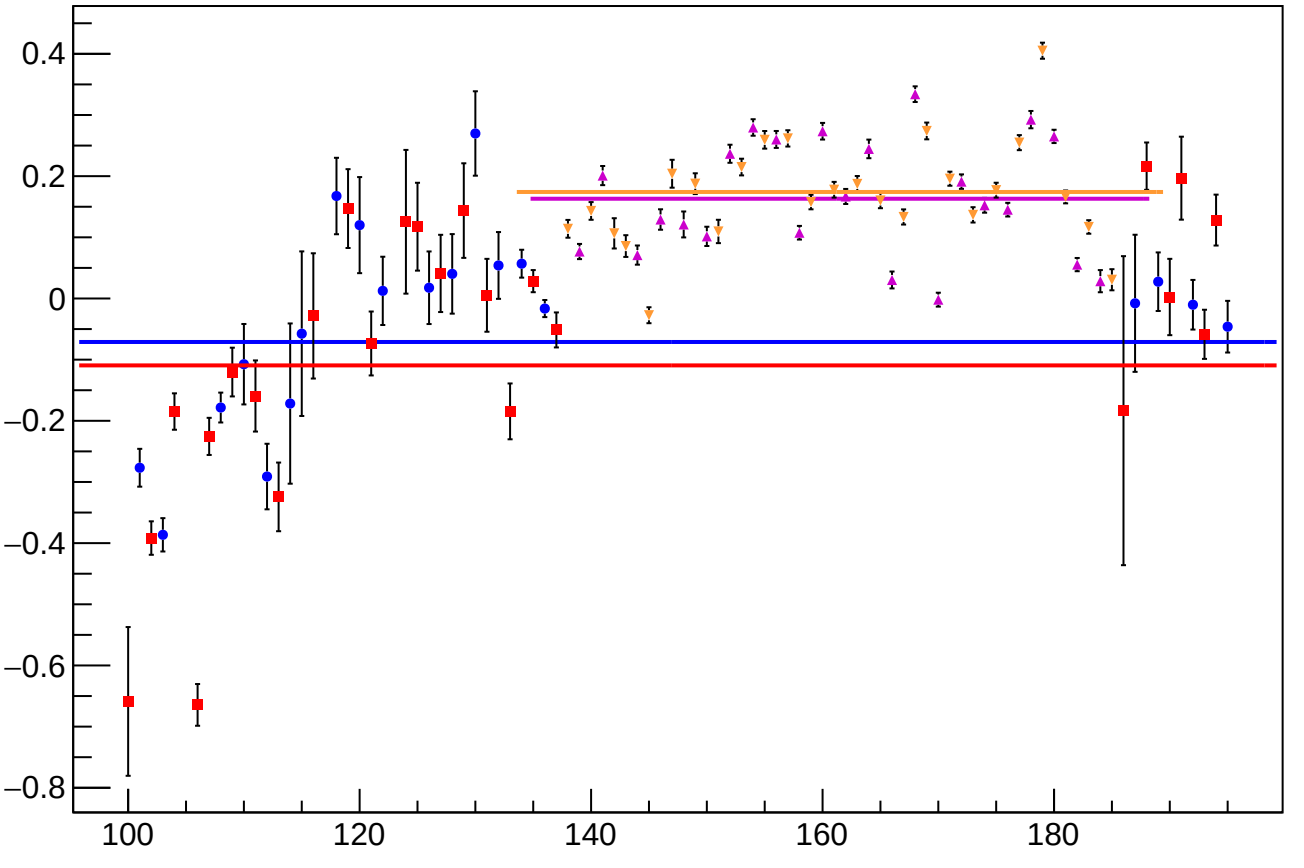
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -3.555+/-0.118 χ^2/NDF: 5414.2/44

In: -8.152+/-0.059 χ^2/NDF:5181.5/42

Out: -8.312+/-0.058 χ^2/NDF:4669.6/49

All: -8.234+/-0.041 χ^2/NDF: 9854.9/92



Right In: -0.071+/-0.008 χ^2/NDF: 326.6/19

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.109+/-0.008 χ^2/NDF: 672.6/24

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

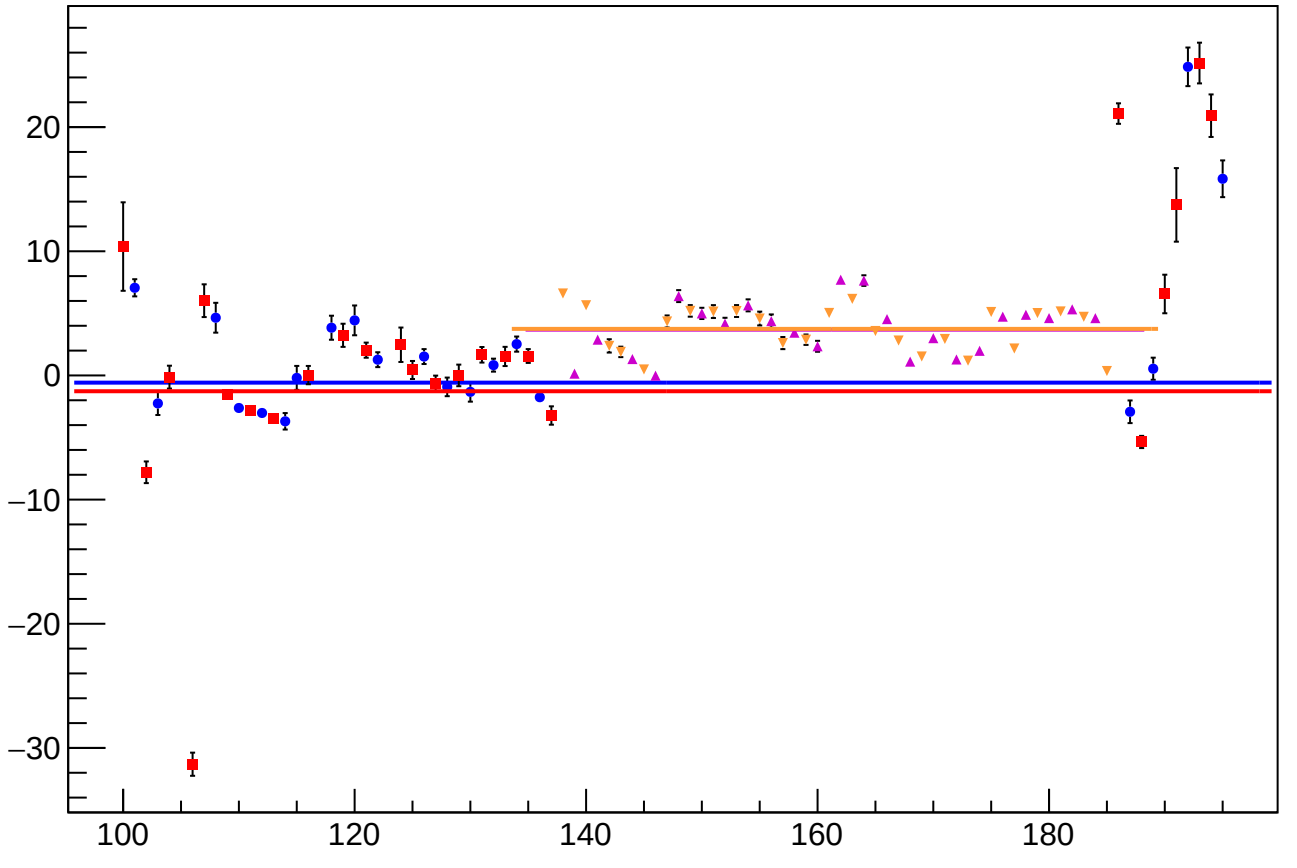
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.090+/-0.006 χ^2/NDF: 1010.1/44

In: 0.138+/-0.003 χ^2/NDF:2272.7/42

Out: 0.147+/-0.003 χ^2/NDF:2648.2/49

All: 0.143+/-0.002 χ^2/NDF: 4925.8/92



Right In: -0.580+/-0.133 χ^2/NDF: 784.1/19

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -1.273+/-0.122 χ^2/NDF: 2637.6/24

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

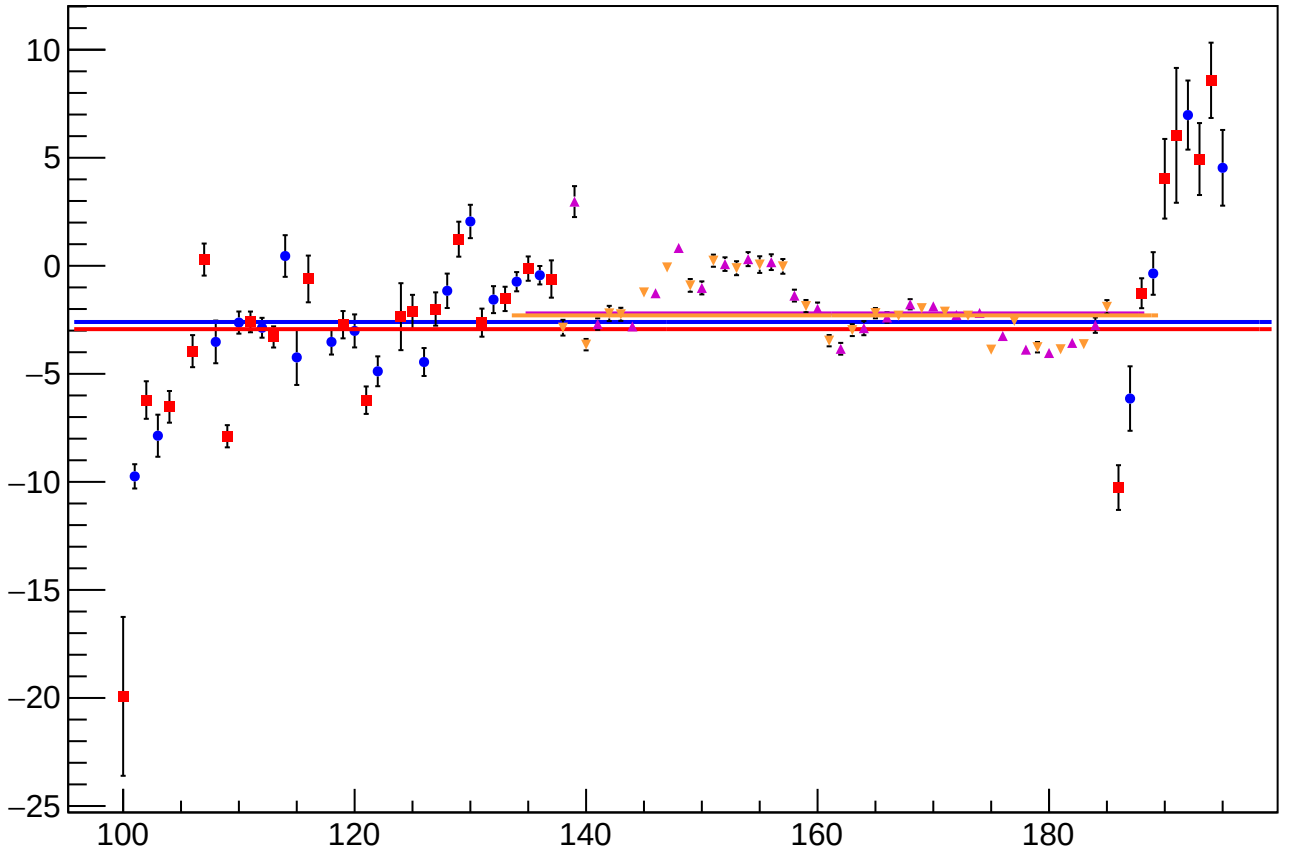
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -0.956+/-0.090 χ^2/NDF: 3436.6/44

In: 2.883+/-0.058 χ^2/NDF:2578.6/42

Out: 2.715+/-0.055 χ^2/NDF:4800.6/49

All: 2.796+/-0.040 χ^2/NDF: 7383.6/92



Right In: -2.600+/-0.152 χ^2/NDF: 374.5/19

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.932+/-0.150 χ^2/NDF: 417.9/24

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

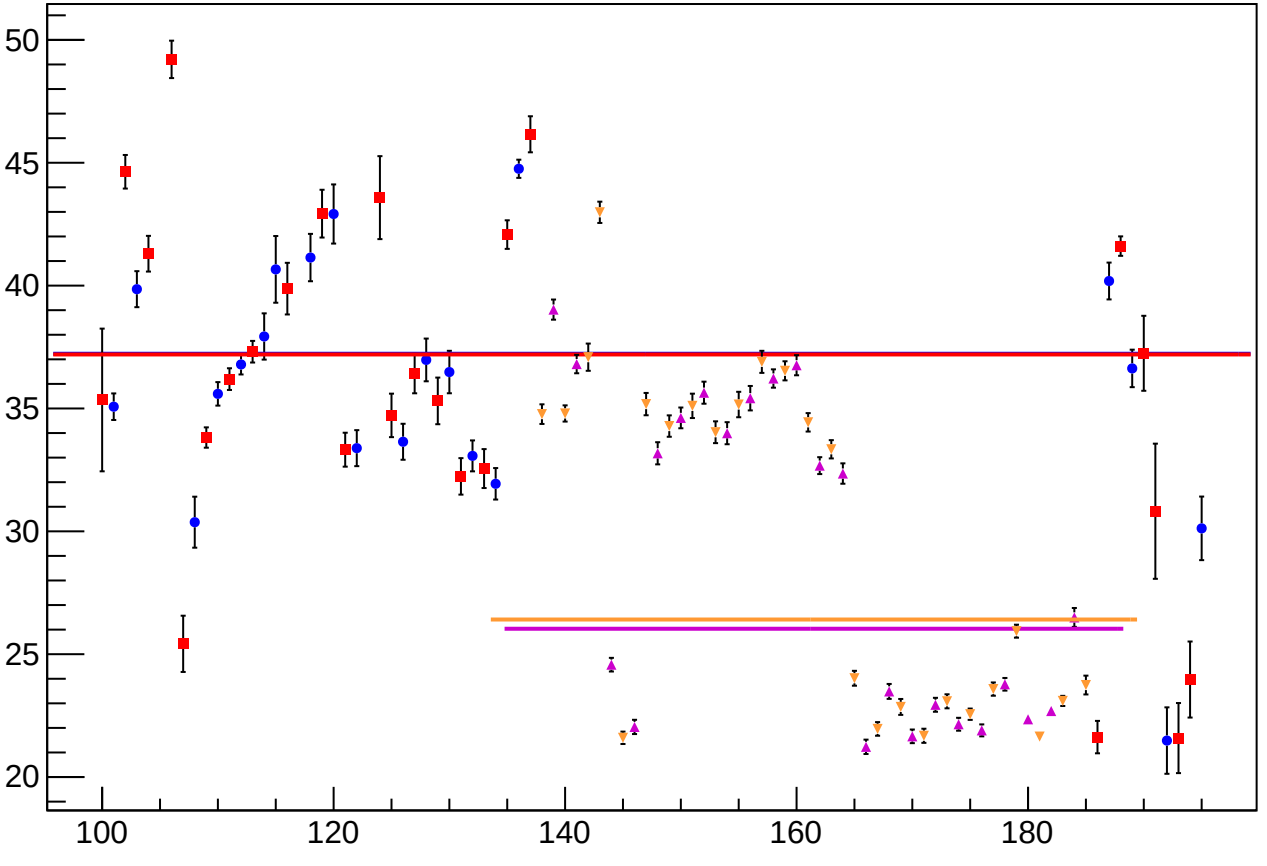
Right: -2.768+/-0.107 χ^2/NDF: 794.8/44

In: -2.244+/-0.048 χ^2/NDF:1105.2/42

Out: -2.357+/-0.047 χ^2/NDF:1065.6/49

All: -2.302+/-0.034 χ^2/NDF: 2173.7/92

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.227+/-0.152 χ^2/NDF: 890.8/19

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 37.198+/-0.142 χ^2/NDF: 1854.8/24

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

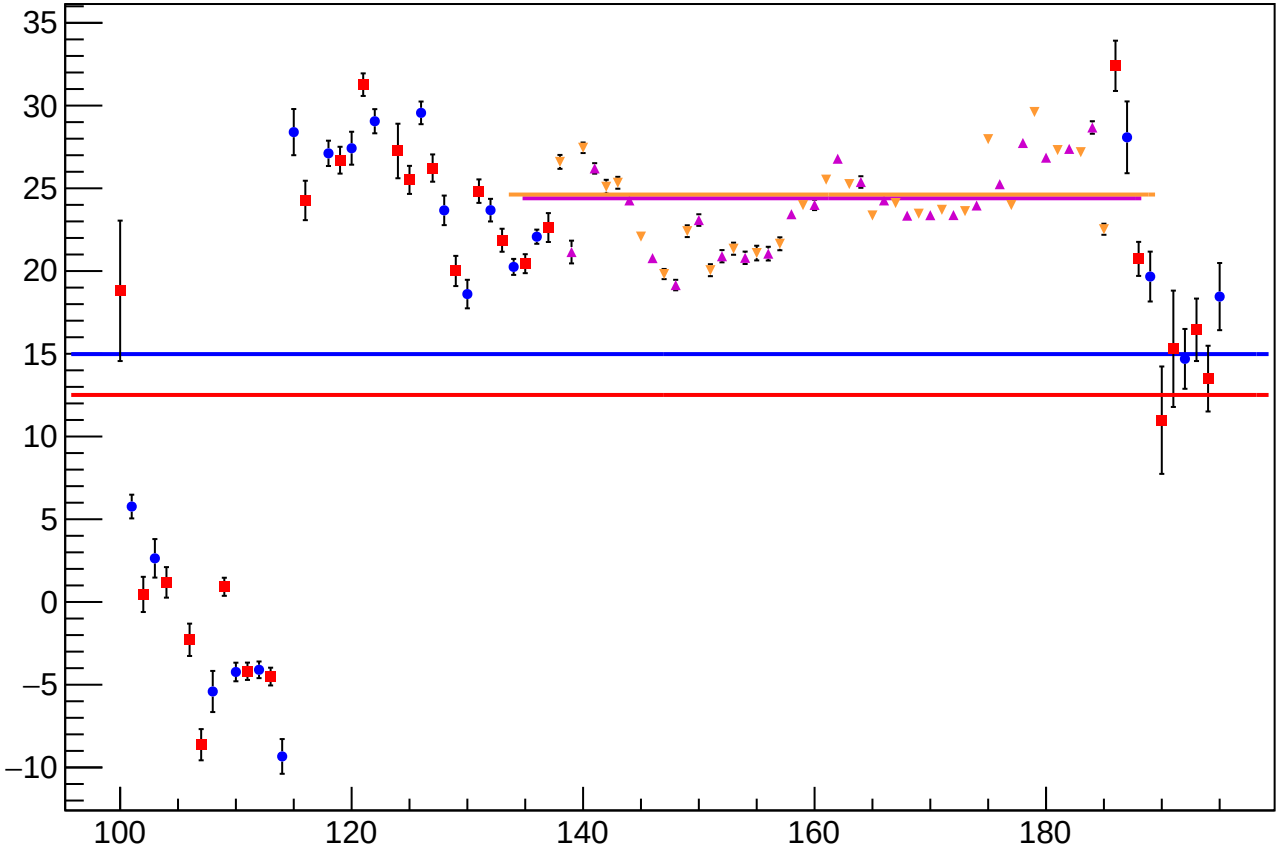
Right: 37.212+/-0.104 χ^2/NDF: 2745.6/44

In: 27.718+/-0.059 χ^2/NDF:13347.0/42

Out: 28.148+/-0.057 χ^2/NDF:15909.1/49

All: 27.940+/-0.041 χ^2/NDF: 29283.6/92

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.981+/-0.171 χ^2/NDF: 5736.4/19

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.512+/-0.171 χ^2/NDF: 6356.0/24

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

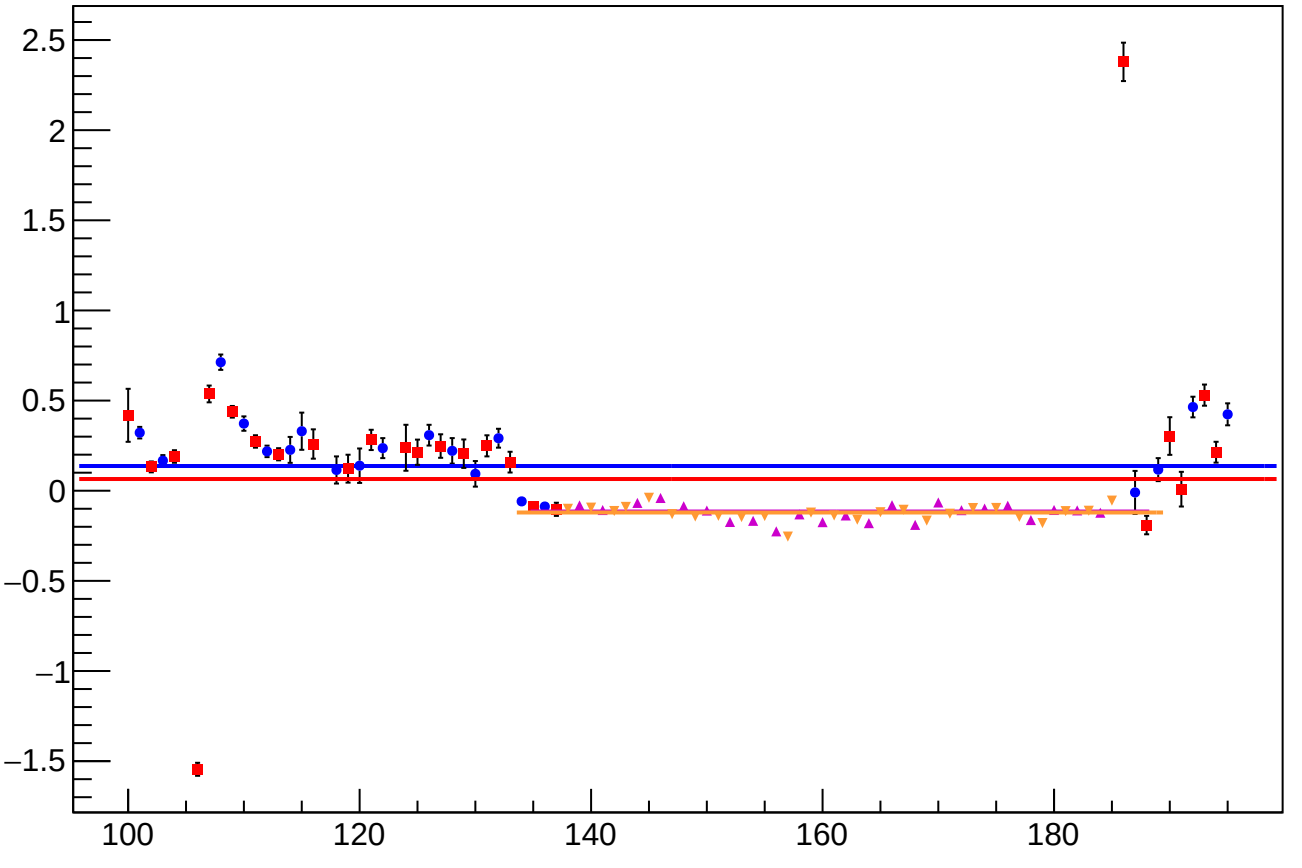
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.750+/-0.121 χ^2/NDF: 12196.5/44

In: 23.470+/-0.054 χ^2/NDF:10191.7/42

Out: 23.486+/-0.053 χ^2/NDF:12835.3/49

All: 23.478+/-0.038 χ^2/NDF: 23027.1/92



Right In: 0.137+/-0.009 χ^2/NDF: 578.7/19

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.065+/-0.009 χ^2/NDF: 2995.3/24

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

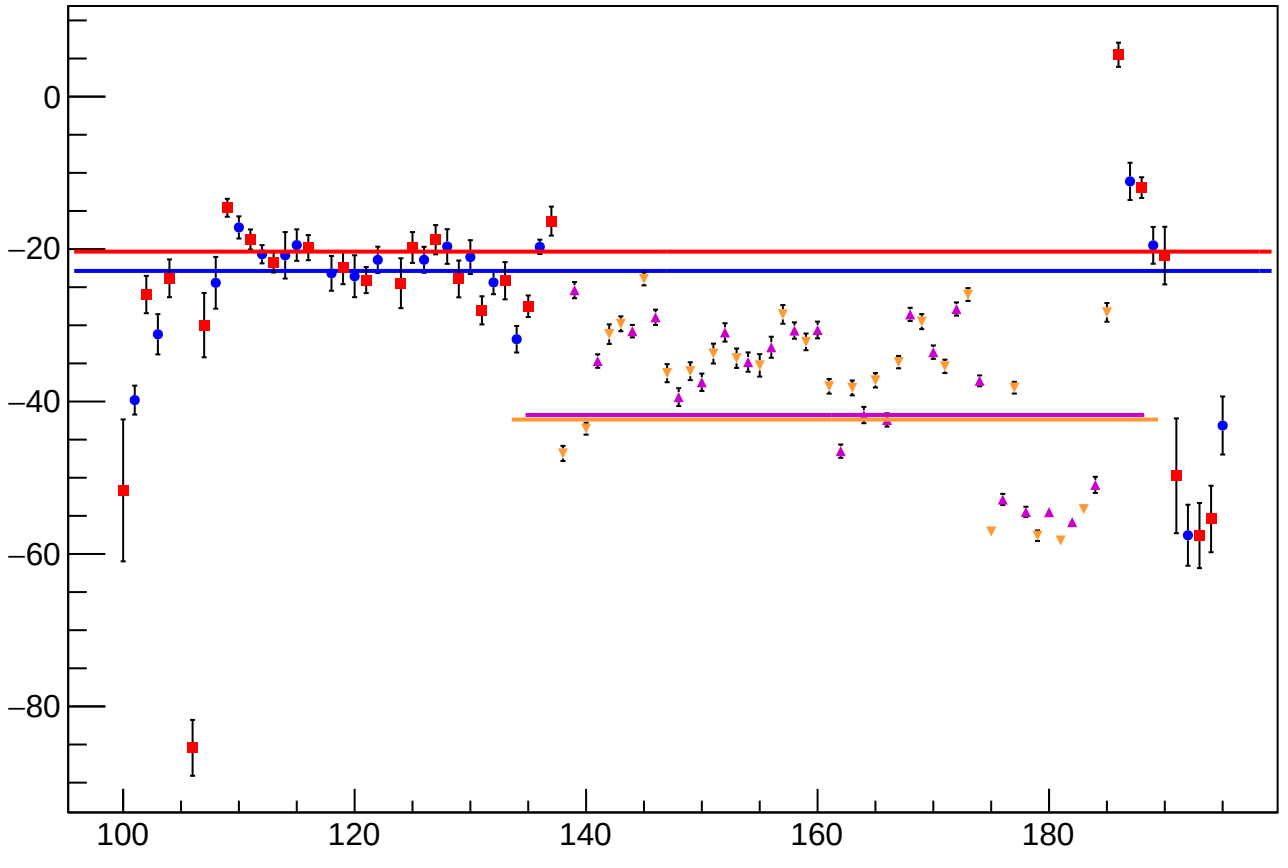
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.102+/-0.006 χ^2/NDF: 3605.1/44

In: -0.097+/-0.002 χ^2/NDF:1590.2/42

Out: -0.108+/-0.002 χ^2/NDF:3635.9/49

All: -0.103+/-0.002 χ^2/NDF: 5236.9/92



Right In: -22.866+/-0.416 χ^2/NDF: 283.0/19

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -20.330+/-0.395 χ^2/NDF: 885.3/24

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

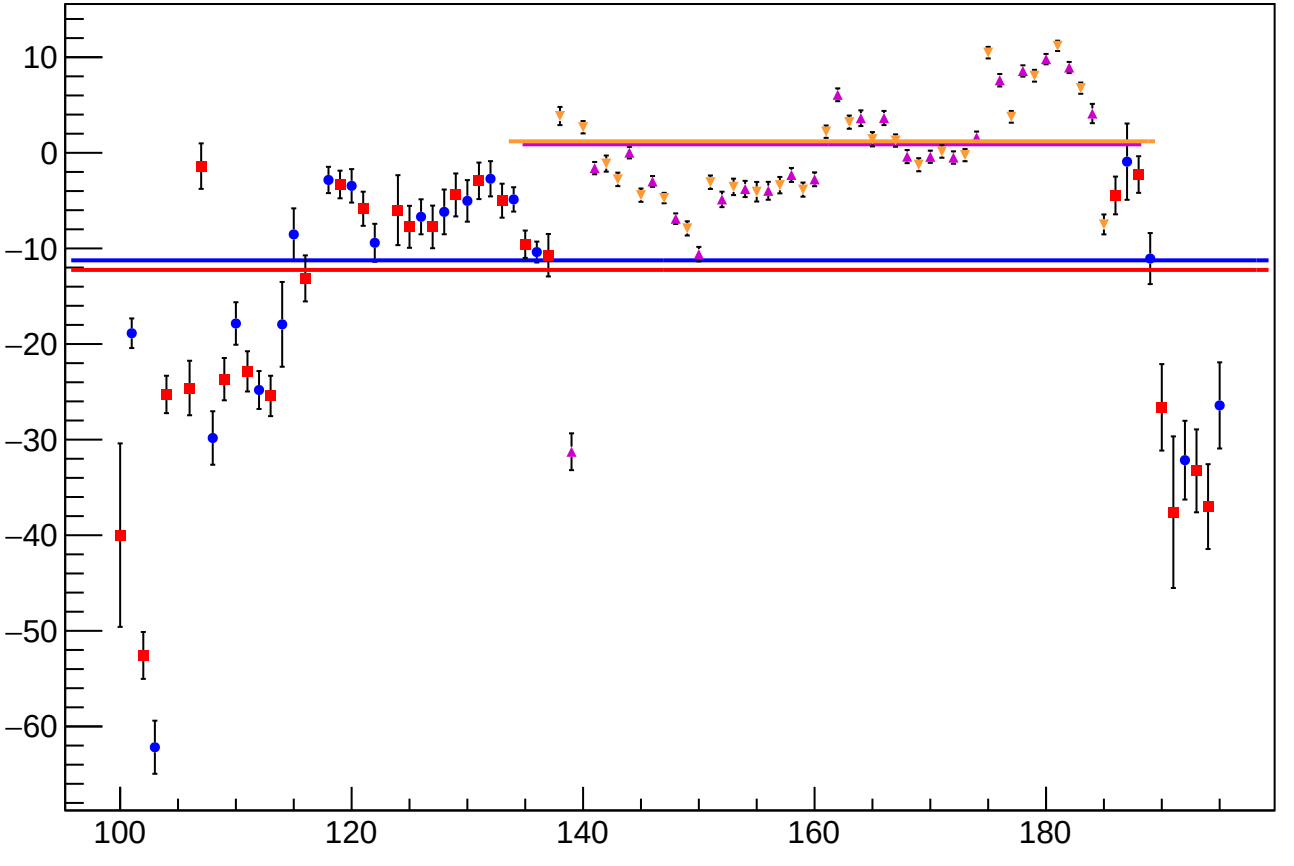
Right: -21.531+/-0.287 χ^2/NDF: 1187.9/44

In: -38.741+/-0.167 χ^2/NDF:5472.2/42

Out: -38.741+/-0.160 χ^2/NDF:7964.8/49

All: -38.741+/-0.115 χ^2/NDF: 13437.0/92

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.439 χ^2/NDF: 631.4/19

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.247+/-0.446 χ^2/NDF: 690.3/24

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

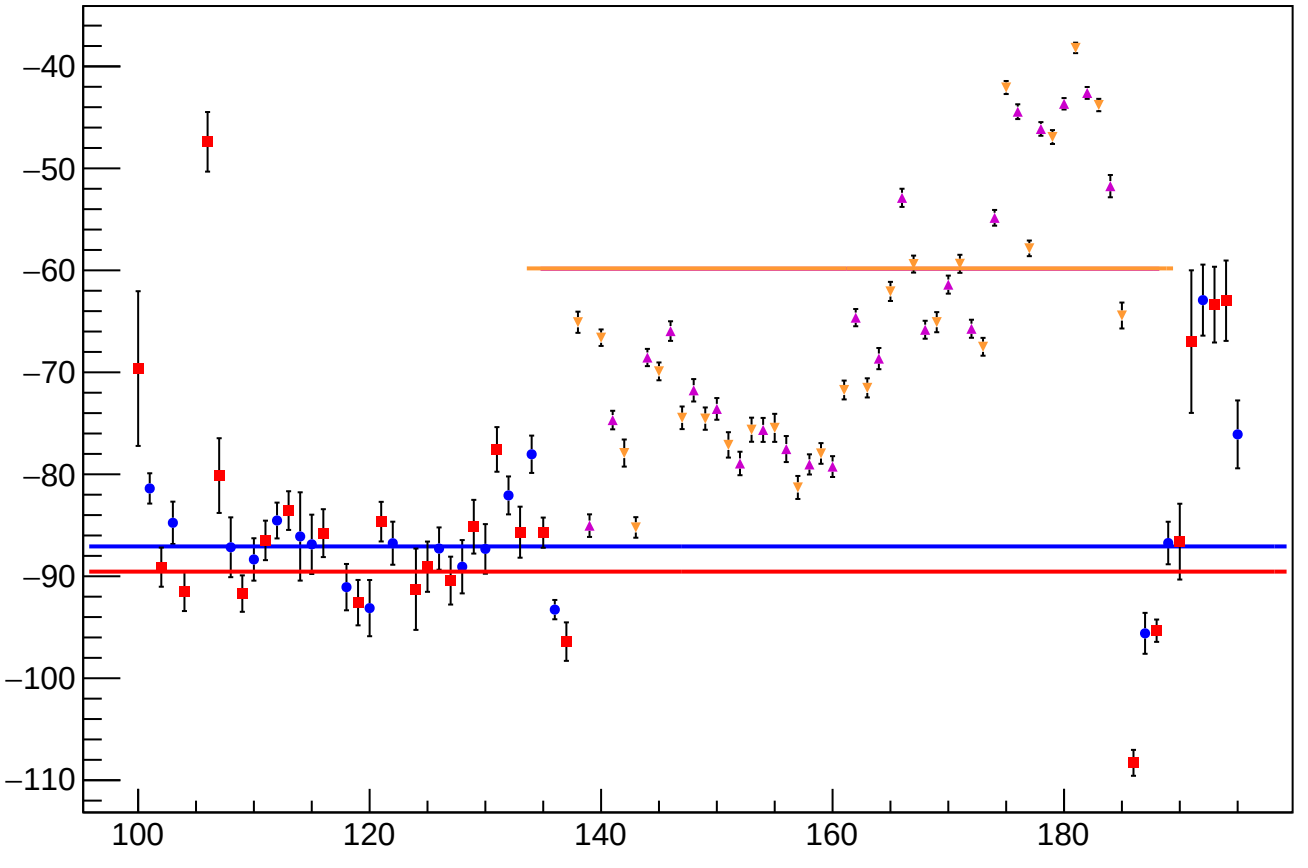
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -11.739+/-0.313 χ^2/NDF: 1324.3/44

In: -0.272+/-0.136 χ^2/NDF:3084.7/42

Out: 0.027+/-0.132 χ^2/NDF:2982.4/49

All: -0.118+/-0.095 χ^2/NDF: 6069.5/92



Right In: -87.073+/-0.448 χ^2/NDF: 178.5/19

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -89.544+/-0.423 χ^2/NDF: 654.6/24

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

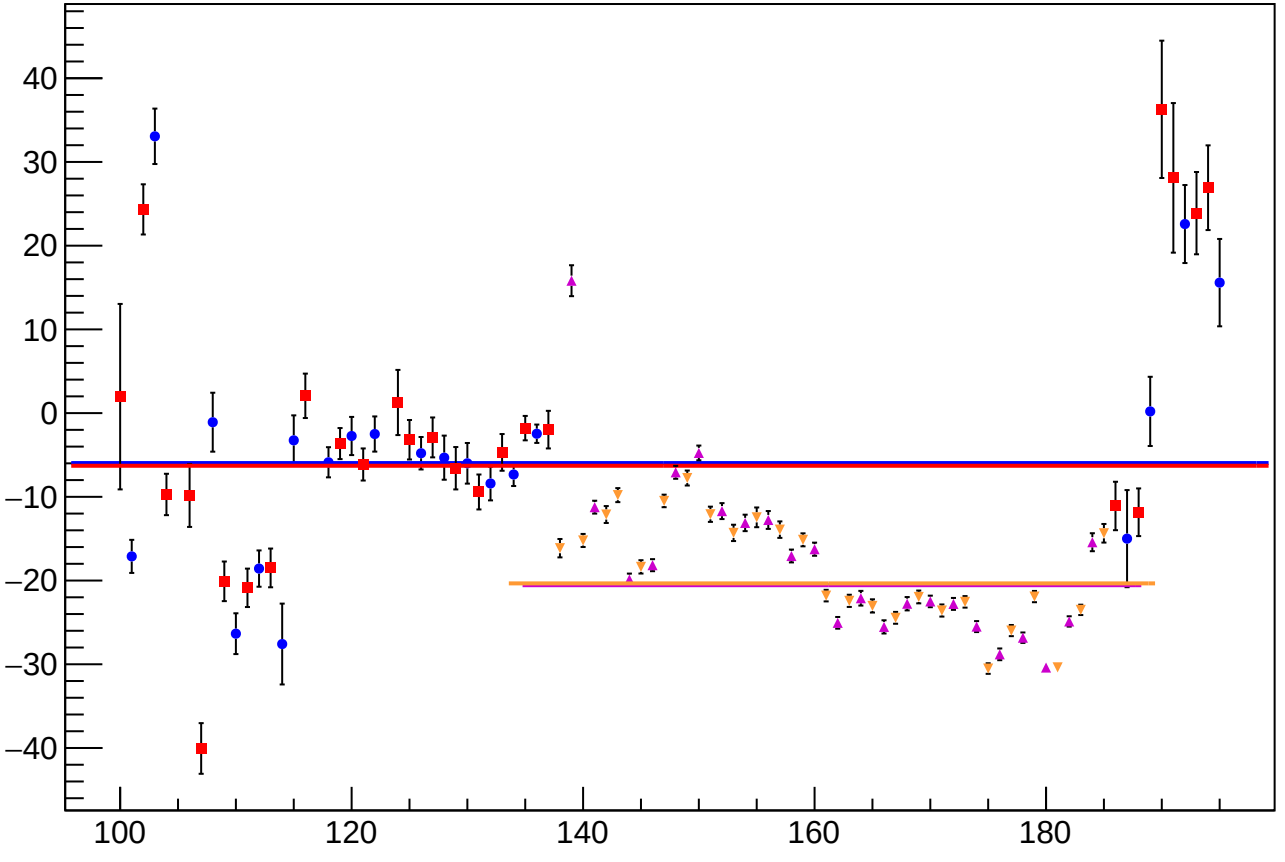
Right: -88.379+/-0.308 χ^2/NDF: 849.2/44

In: -63.668+/-0.168 χ^2/NDF:8886.6/42

Out: -64.168+/-0.162 χ^2/NDF:11517.1/49

All: -63.927+/-0.117 χ^2/NDF: 20408.2/92

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.968+/-0.497 χ^2/NDF: 374.5/19

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -6.289+/-0.516 χ^2/NDF: 499.0/24

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

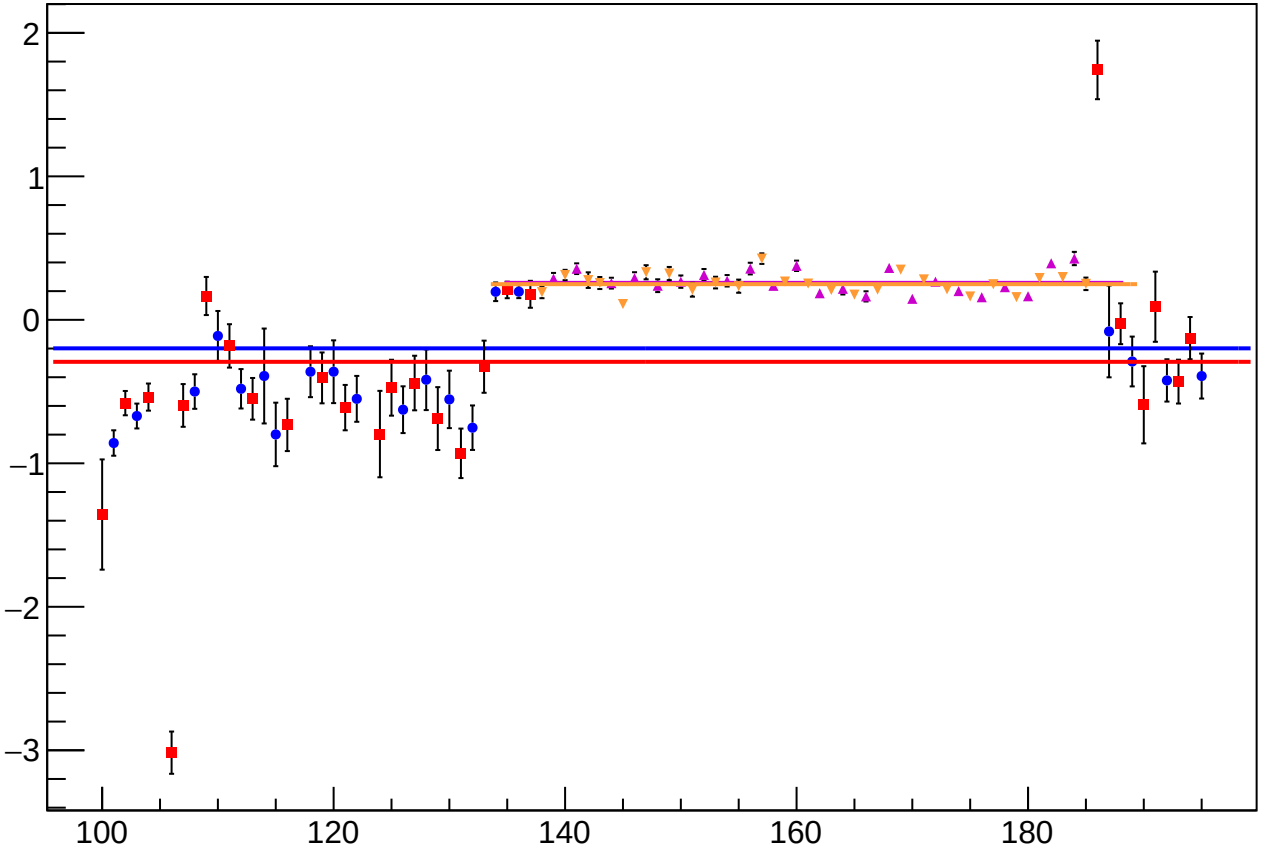
Right: -6.123+/-0.358 χ^2/NDF: 873.7/44

In: -19.192+/-0.152 χ^2/NDF:3349.1/42

Out: -19.181+/-0.148 χ^2/NDF:2880.9/49

All: -19.186+/-0.106 χ^2/NDF: 6230.0/92

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.199+/-0.026 χ^2/NDF: 251.8/19

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.293+/-0.027 χ^2/NDF: 629.0/24

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

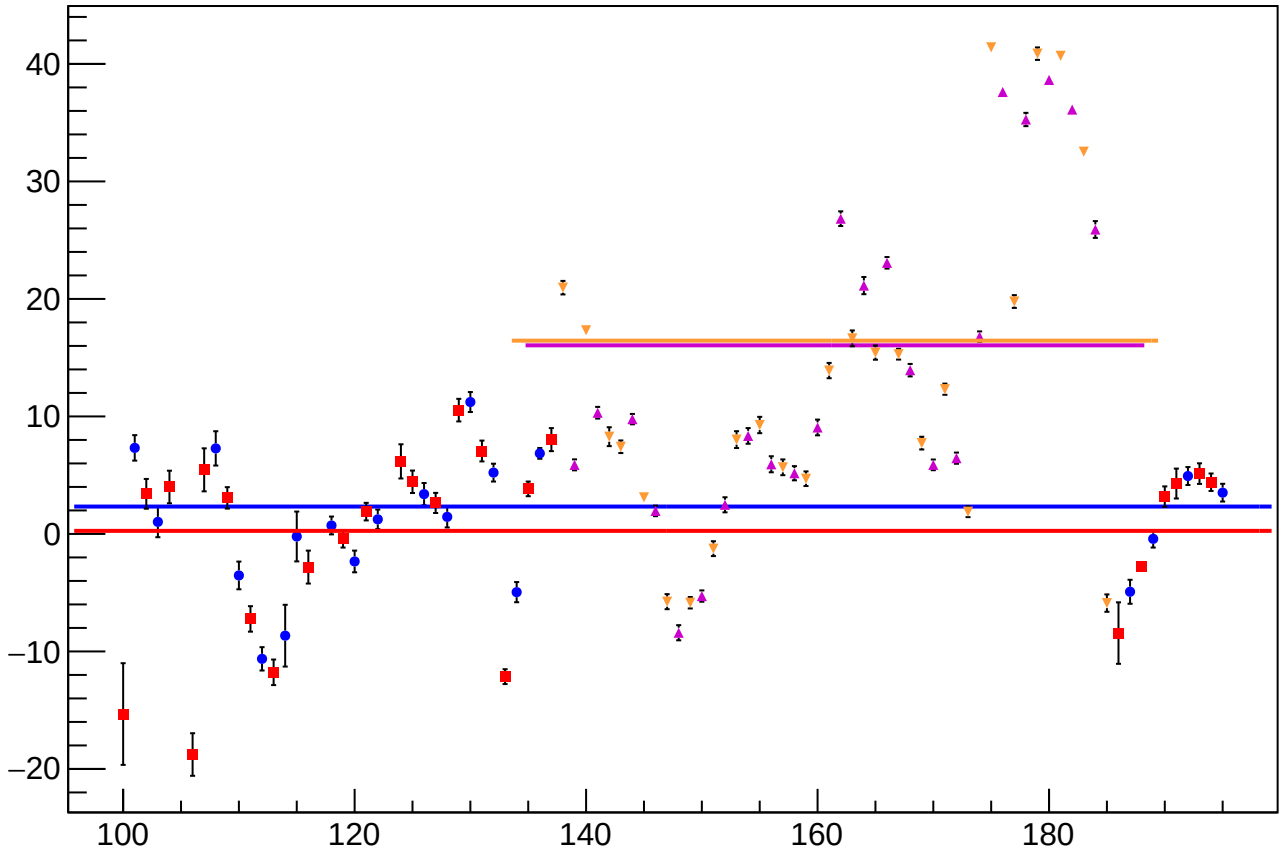
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.243+/-0.019 χ^2/NDF: 887.2/44

In: 0.225+/-0.007 χ^2/NDF:681.1/42

Out: 0.215+/-0.007 χ^2/NDF:1095.1/49

All: 0.220+/-0.005 χ^2/NDF: 1777.1/92



Right In: 2.330+/-0.196 χ^2/NDF: 652.9/19

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.261+/-0.175 χ^2/NDF: 1189.3/24

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

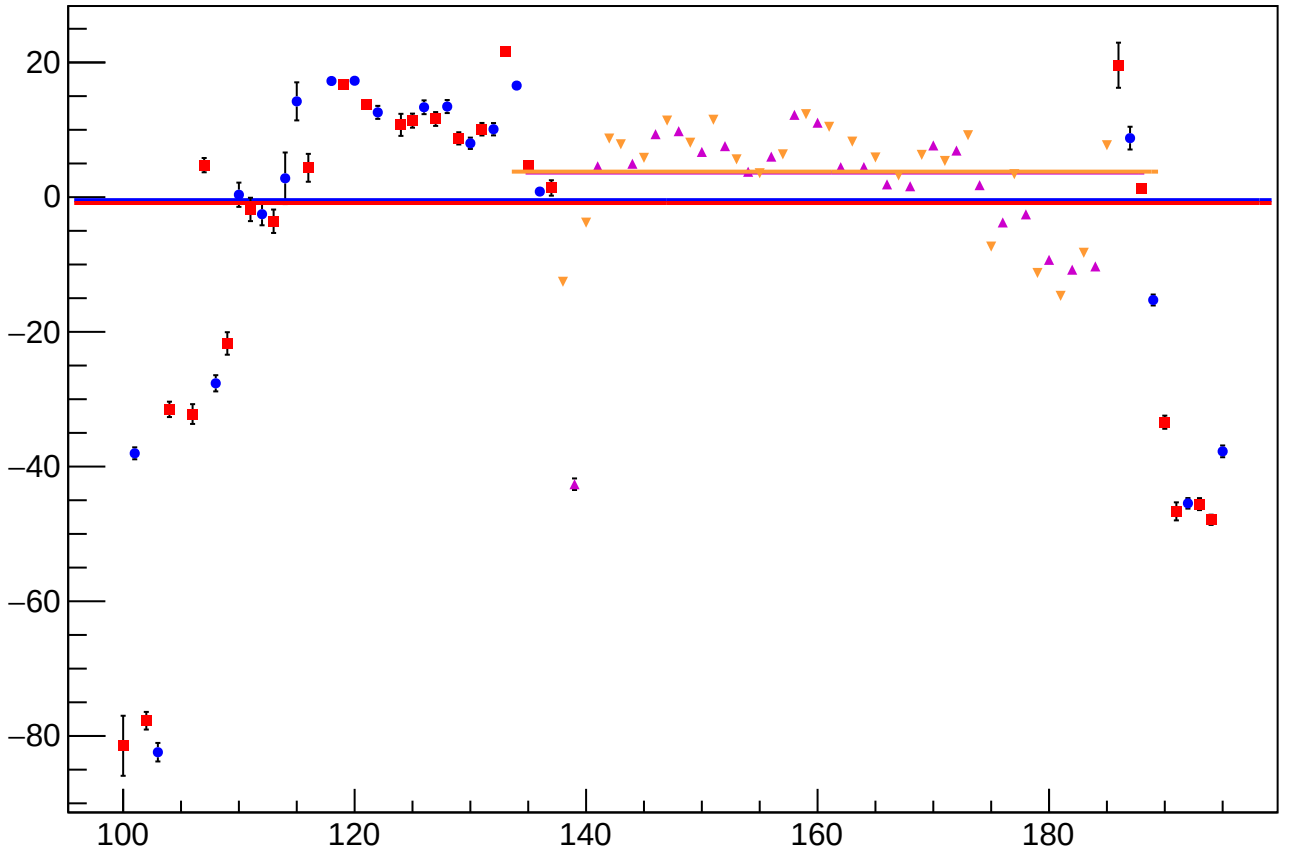
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.183+/-0.131 χ^2/NDF: 1904.3/44

In: 12.878+/-0.094 χ^2/NDF:22063.5/42

Out: 12.236+/-0.089 χ^2/NDF:28894.1/49

All: 12.541+/-0.065 χ^2/NDF: 50982.2/92



Right In: -0.443+/-0.191 χ^2/NDF: 15283.2/19

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -0.867+/-0.180 χ^2/NDF: 18688.0/24

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

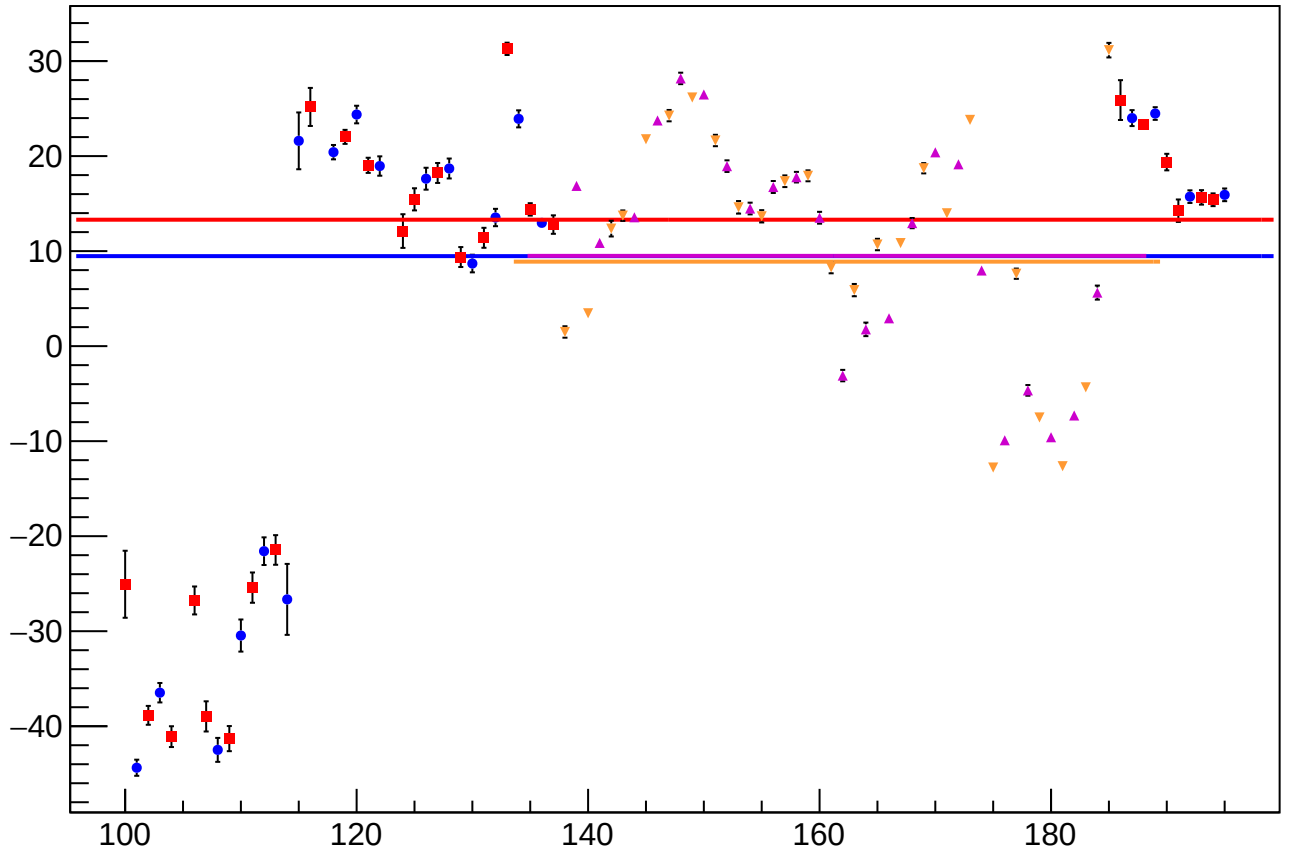
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -0.667+/-0.131 χ^2/NDF: 33973.8/44

In: 2.997+/-0.076 χ^2/NDF:23981.2/42

Out: 3.019+/-0.073 χ^2/NDF:28349.1/49

All: 3.008+/-0.053 χ^2/NDF: 52330.3/92



Right In: 9.472+/-0.196 χ^2/NDF: 10873.7/19

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 13.306+/-0.171 χ^2/NDF: 12198.1/24

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

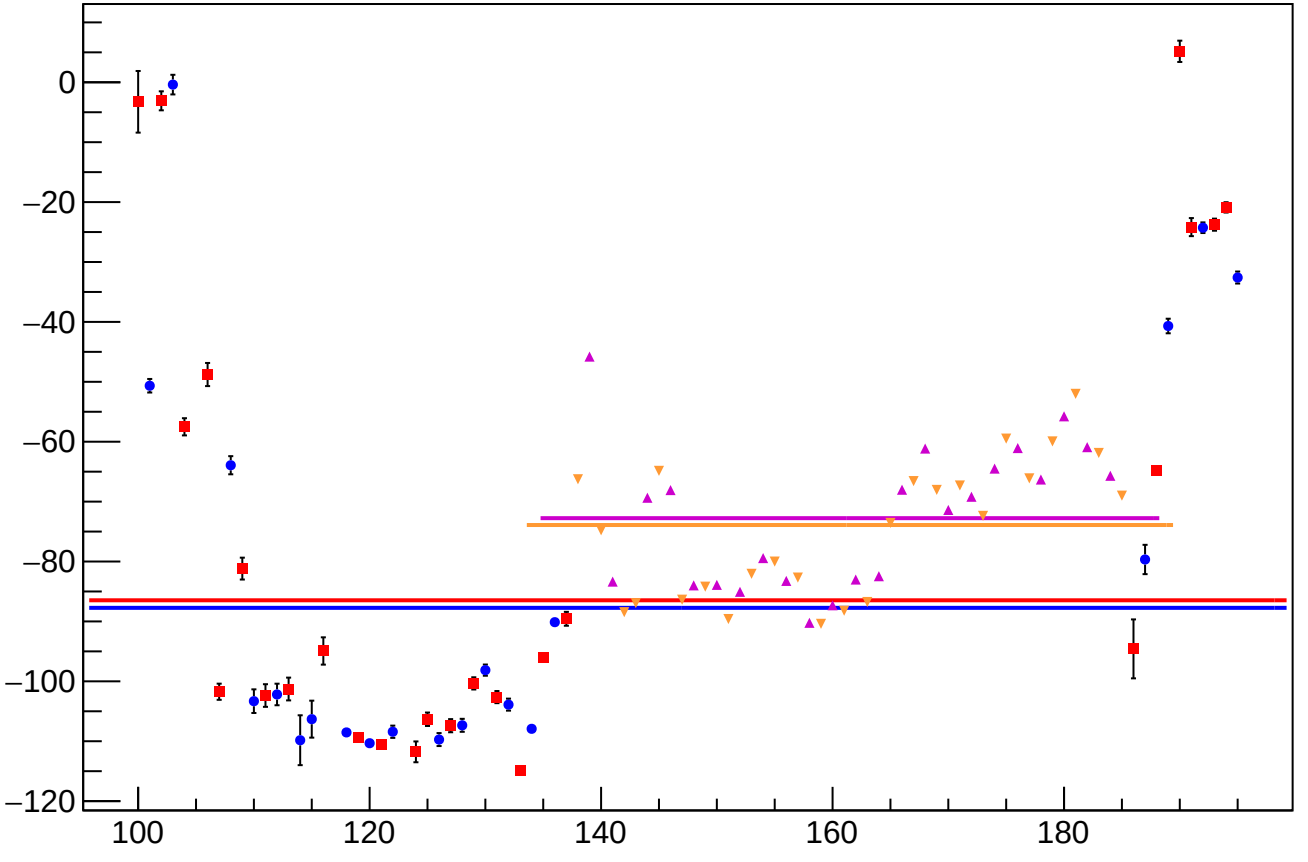
Right: 11.657+/-0.129 χ^2/NDF: 23288.8/44

In: 9.494+/-0.094 χ^2/NDF:23914.6/42

Out: 10.083+/-0.089 χ^2/NDF:28114.8/49

All: 9.804+/-0.064 χ^2/NDF: 52050.3/92

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -87.733+/-0.222 χ^2/NDF: 18450.3/19

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -86.472+/-0.214 χ^2/NDF: 25227.8/24

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

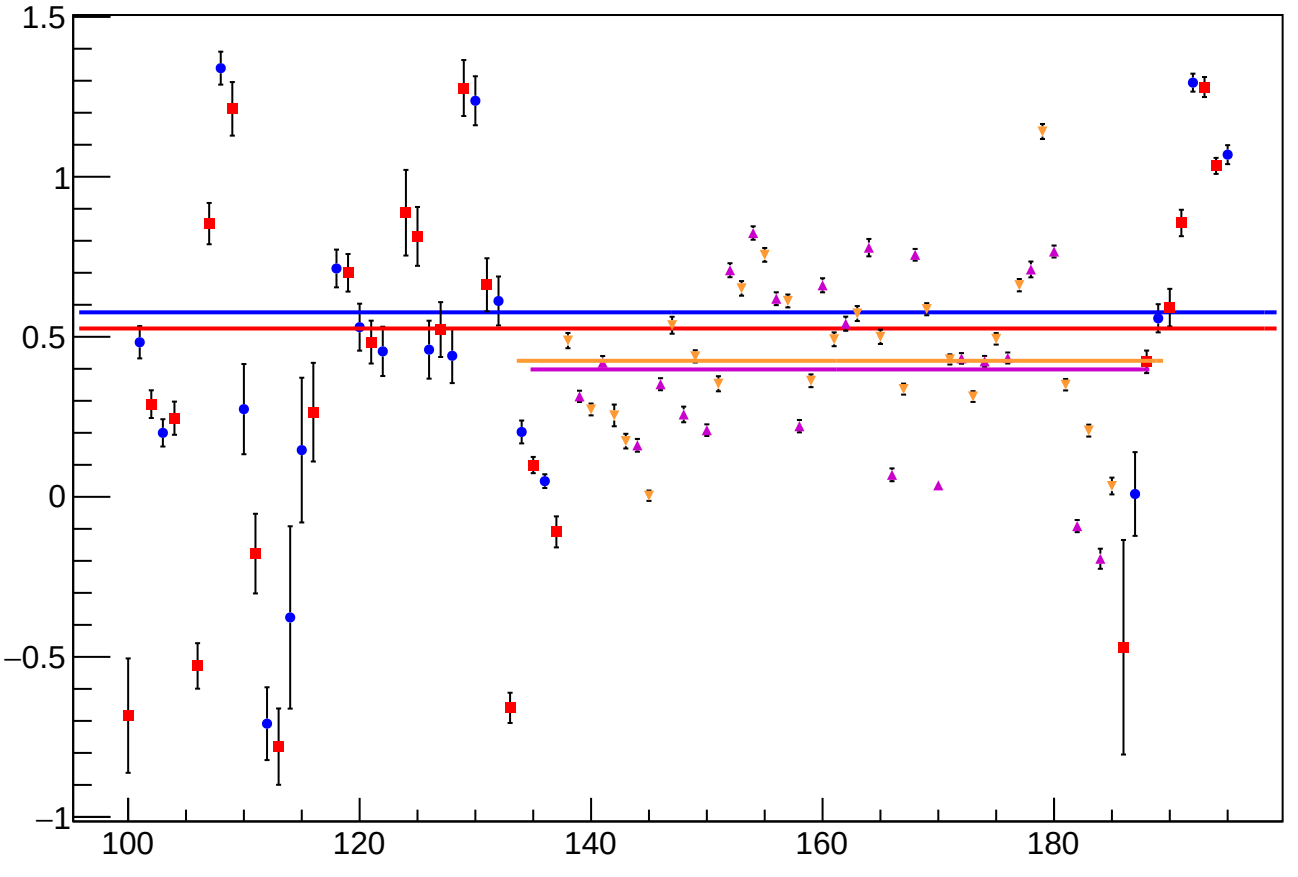
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -87.077+/-0.154 χ^2/NDF: 43694.8/44

In: -75.005+/-0.086 χ^2/NDF:34916.6/42

Out: -75.819+/-0.083 χ^2/NDF:43730.2/49

All: -75.425+/-0.060 χ^2/NDF: 78692.9/92



Right In: 0.576+/-0.011 χ^2/NDF: 2194.4/19

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.526+/-0.010 χ^2/NDF: 2833.1/24

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

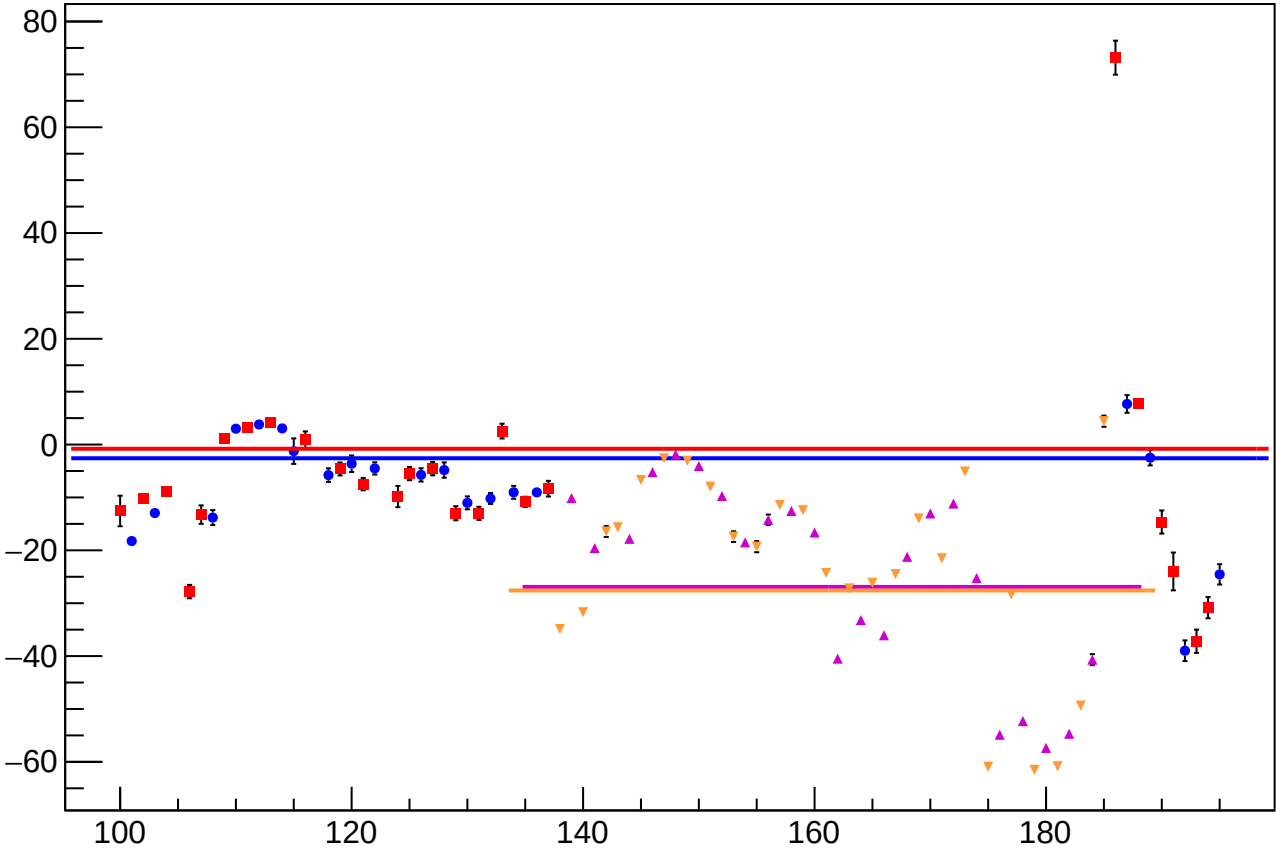
Right: 0.550+/-0.007 χ^2/NDF: 5039.1/44

In: 0.421+/-0.004 χ^2/NDF:6705.4/42

Out: 0.439+/-0.004 χ^2/NDF:5952.4/49

All: 0.430+/-0.003 χ^2/NDF: 12668.6/92

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.592+/-0.187 χ^2/NDF: 2009.7/19

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.795+/-0.164 χ^2/NDF: 2696.5/24

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

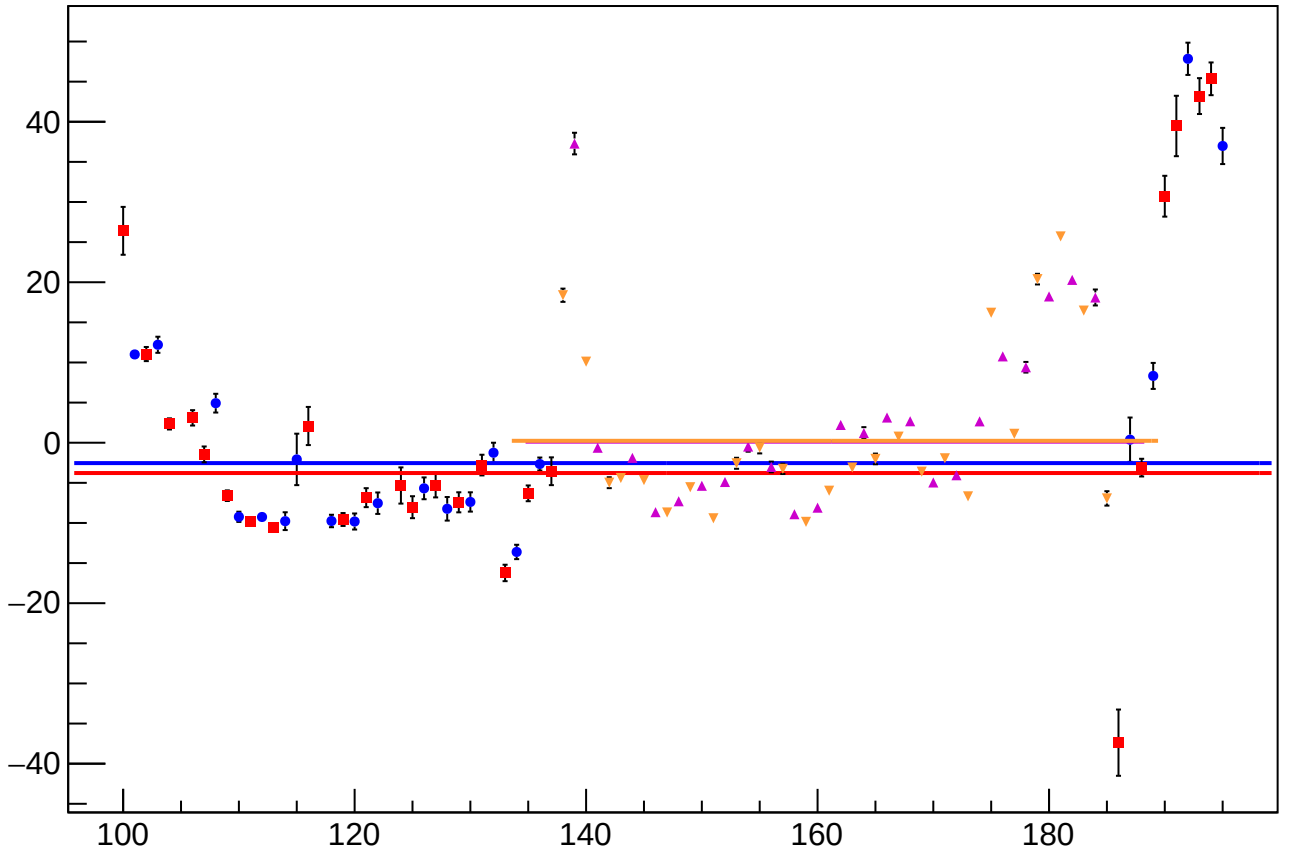
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -1.577+/-0.124 χ^2/NDF: 4758.2/44

In: -17.479+/-0.117 χ^2/NDF:27860.1/42

Out: -15.937+/-0.108 χ^2/NDF:37459.2/49

All: -16.651+/-0.079 χ^2/NDF: 65413.0/92



Right In: -2.540+/-0.220 χ^2/NDF: 2438.0/19

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -3.778+/-0.211 χ^2/NDF: 2422.9/24

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

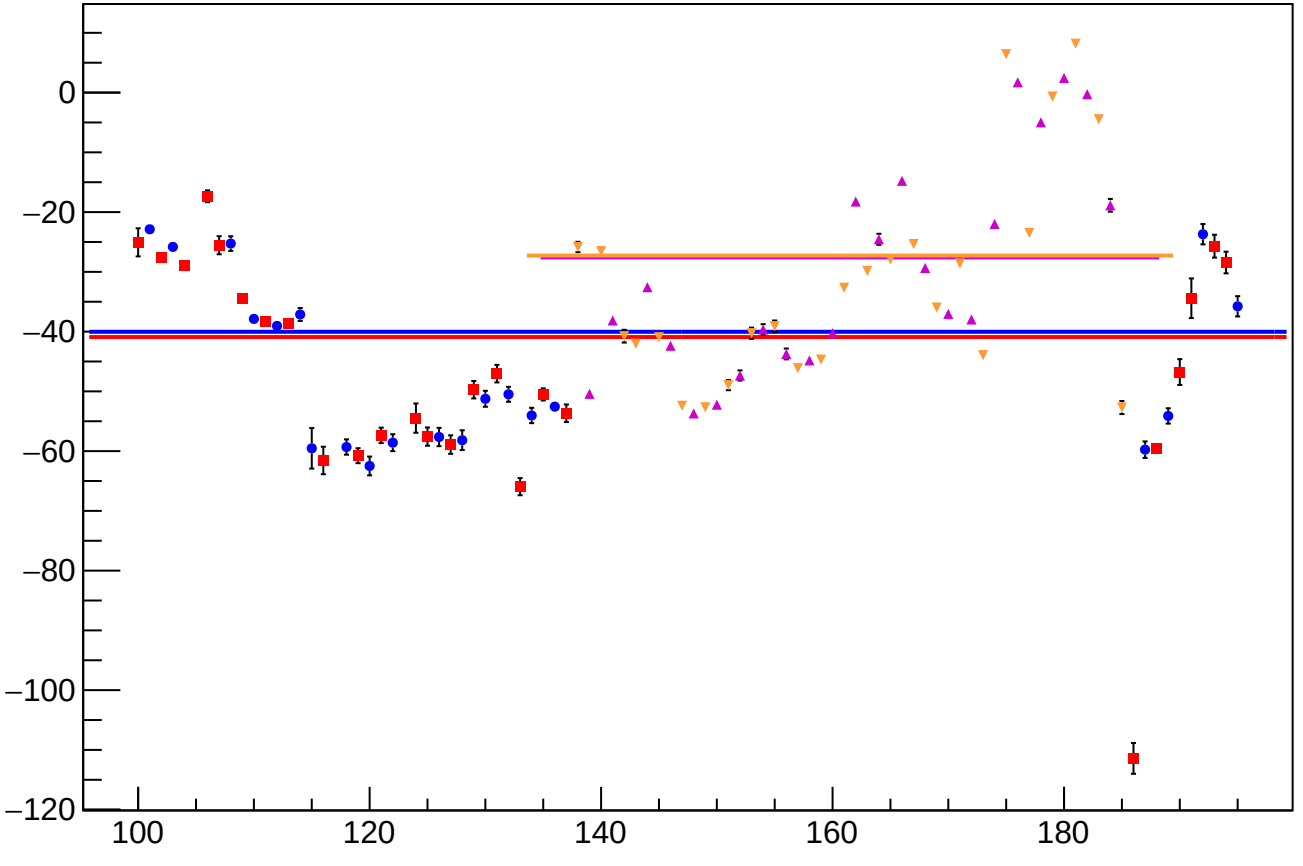
Right: -3.185+/-0.152 χ^2/NDF: 4877.3/44

In: -0.436+/-0.102 χ^2/NDF:8391.1/42

Out: -0.623+/-0.098 χ^2/NDF:10742.9/49

All: -0.533+/-0.070 χ^2/NDF: 19135.7/92

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -40.029+/-0.216 χ^2/NDF: 3388.0/19

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.912+/-0.197 χ^2/NDF: 4654.6/24

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

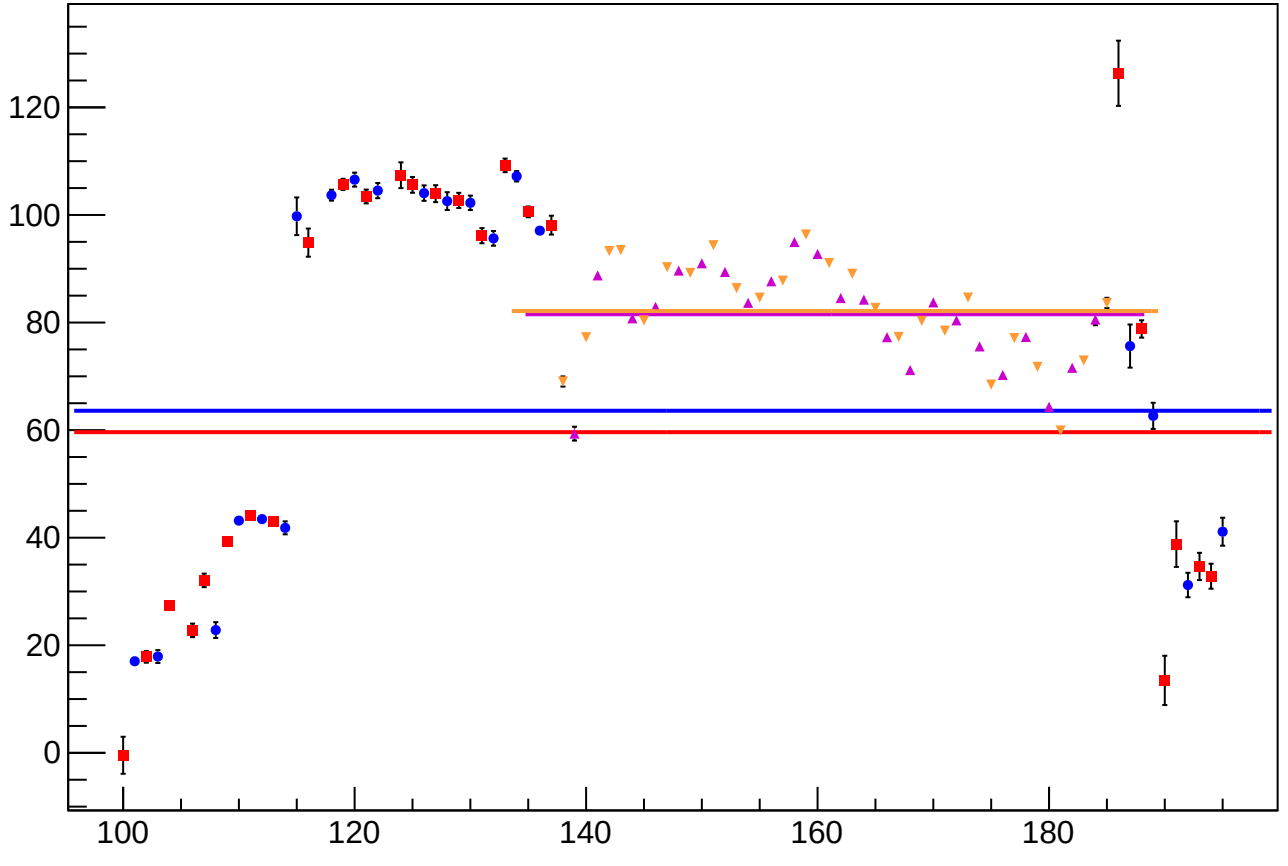
Right: -40.510+/-0.145 χ^2/NDF: 8051.7/44

In: -31.575+/-0.122 χ^2/NDF:21298.7/42

Out: -32.014+/-0.116 χ^2/NDF:26306.6/49

All: -31.805+/-0.084 χ^2/NDF: 47612.1/92

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 63.598+/-0.253 χ^2/NDF: 18888.8/19

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.619+/-0.242 χ^2/NDF: 18049.6/24

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

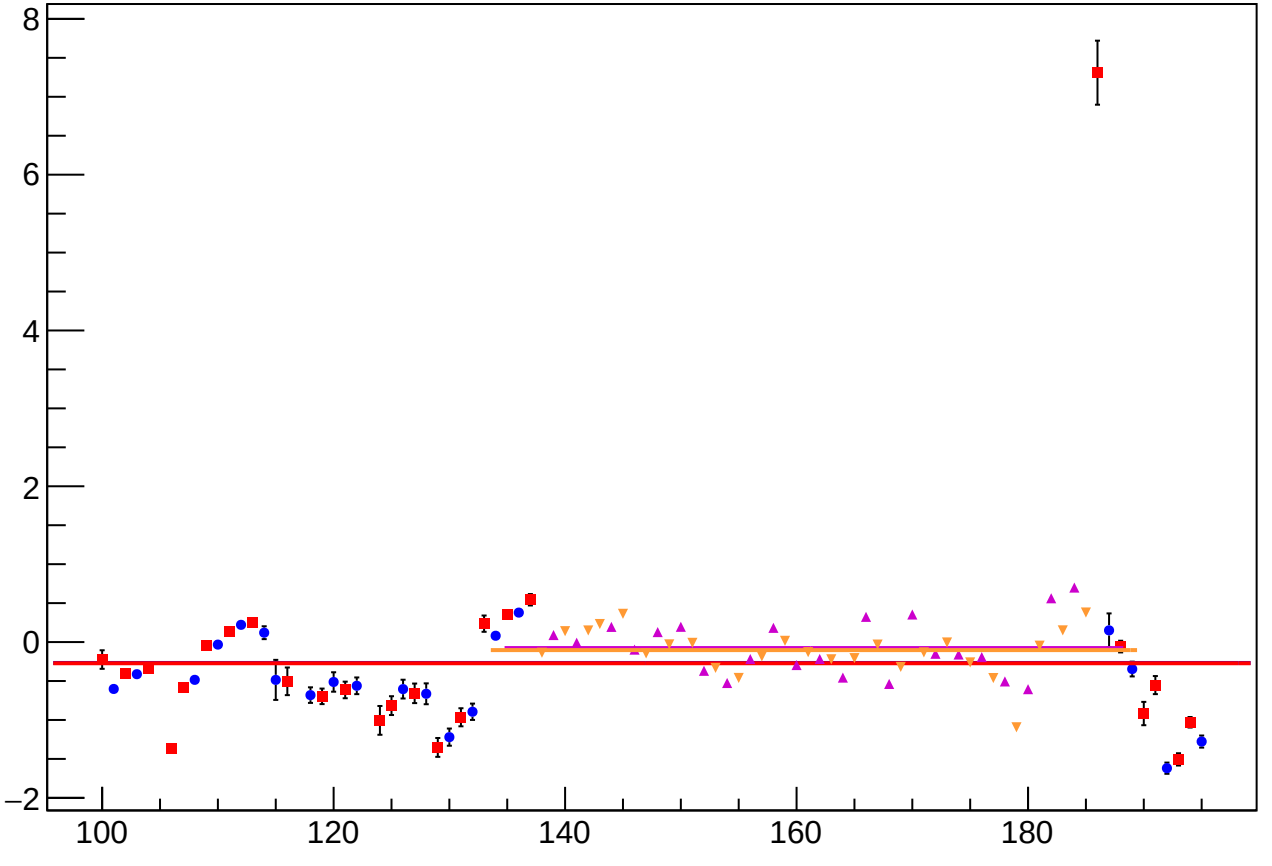
Right: 61.525+/-0.175 χ^2/NDF: 37067.5/44

In: 77.834+/-0.115 χ^2/NDF:26929.5/42

Out: 77.419+/-0.111 χ^2/NDF:30246.1/49

All: 77.619+/-0.080 χ^2/NDF: 57182.4/92

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.268+/-0.013 χ^2/NDF: 1477.6/19

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.272+/-0.012 χ^2/NDF: 2130.6/24

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

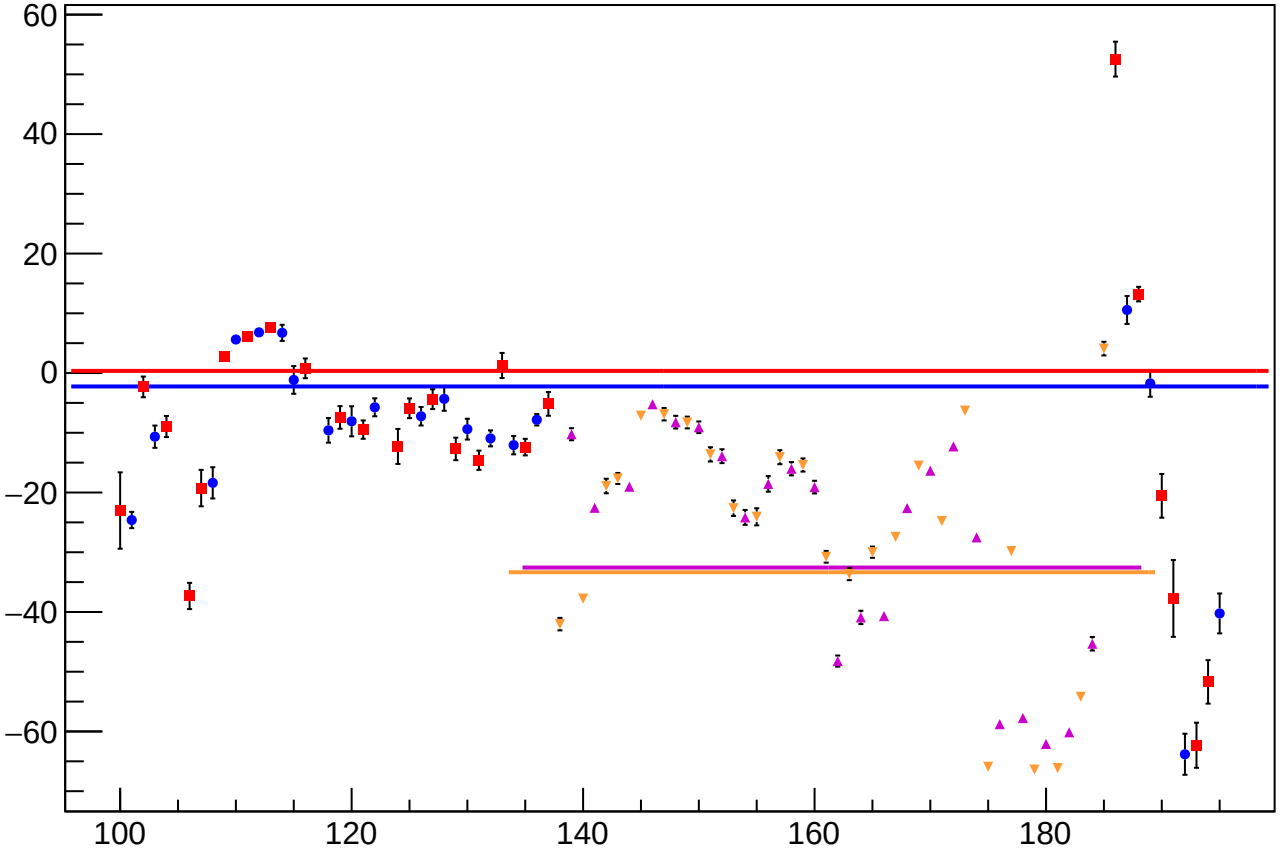
Right: -0.270+/-0.009 χ^2/NDF: 3608.2/44

In: -0.109+/-0.005 χ^2/NDF:4982.9/42

Out: -0.132+/-0.005 χ^2/NDF:4695.2/49

All: -0.121+/-0.004 χ^2/NDF: 9688.6/92

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.247+/-0.300 χ^2/NDF: 1384.1/19

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 0.359+/-0.271 χ^2/NDF: 1910.9/24

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

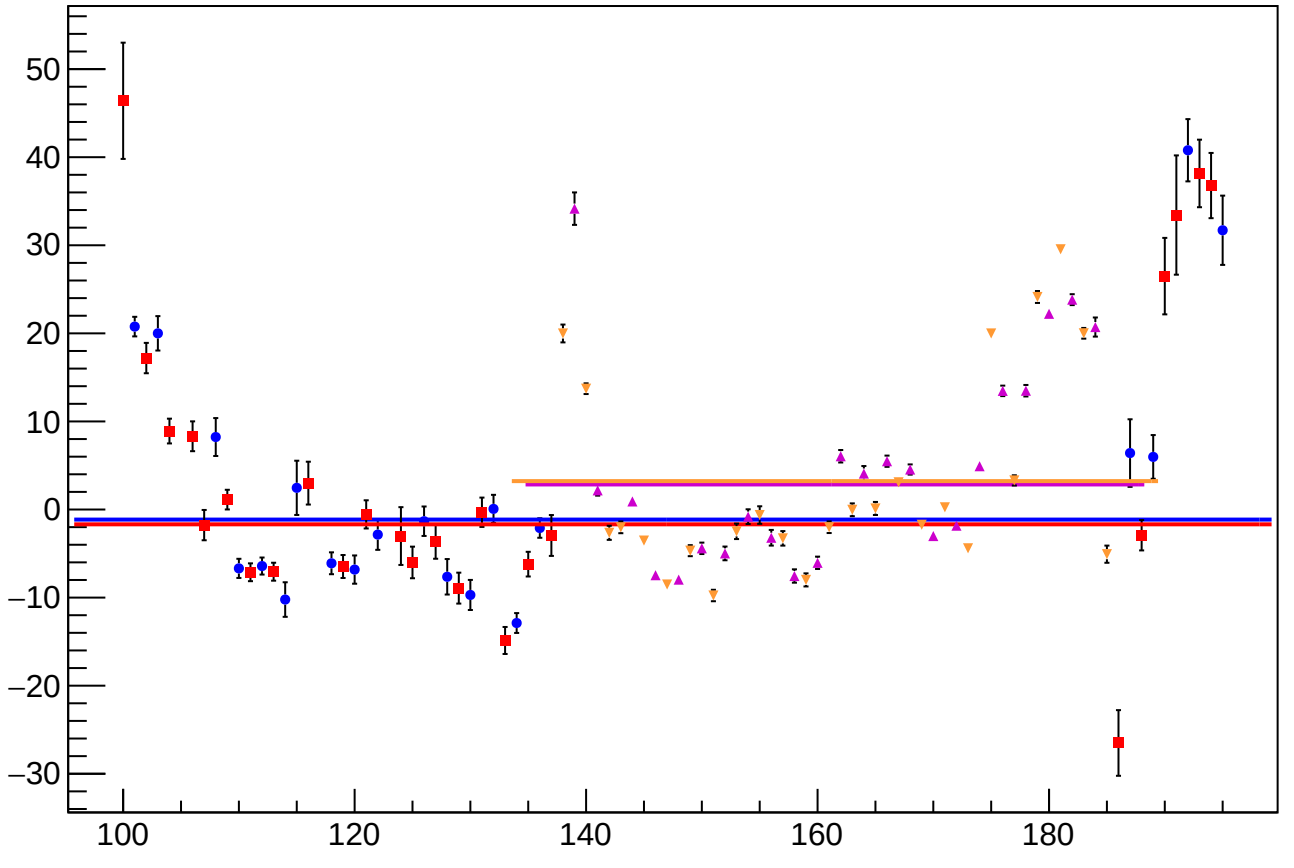
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -0.810+/-0.201 χ^2/NDF: 3336.5/44

In: -25.238+/-0.148 χ^2/NDF:23010.5/42

Out: -24.261+/-0.141 χ^2/NDF:31201.5/49

All: -24.726+/-0.102 χ^2/NDF: 54235.0/92



Right In: -1.143+/-0.348 χ^2/NDF: 1001.0/19

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -1.682+/-0.342 χ^2/NDF: 784.5/24

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

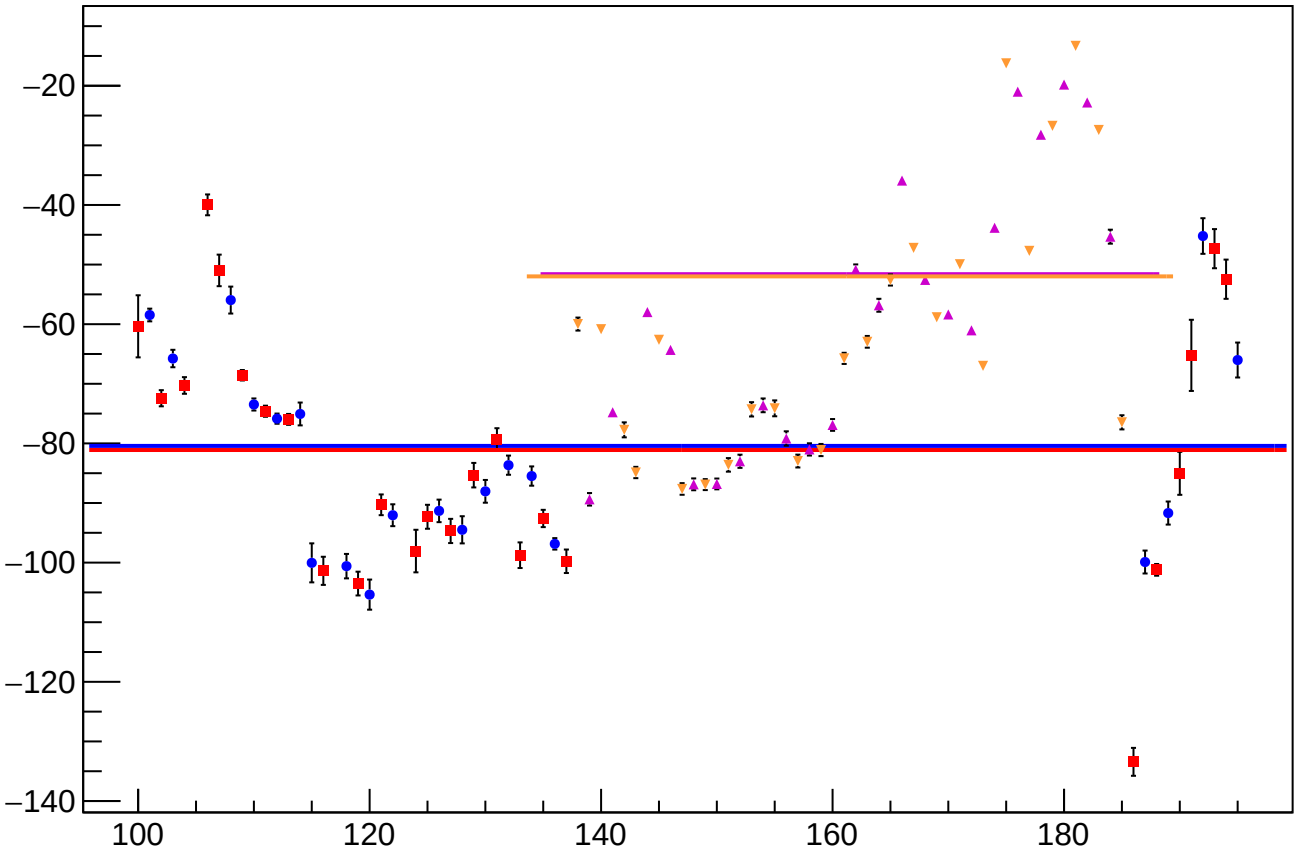
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -1.417+/-0.244 χ^2/NDF: 1786.7/44

In: 2.349+/-0.123 χ^2/NDF:6571.5/42

Out: 2.620+/-0.120 χ^2/NDF:8640.5/49

All: 2.488+/-0.086 χ^2/NDF: 15214.6/92



Right In: -80.421+/-0.347 χ^2/NDF: 1687.6/19

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -81.110+/-0.324 χ^2/NDF: 2742.5/24

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

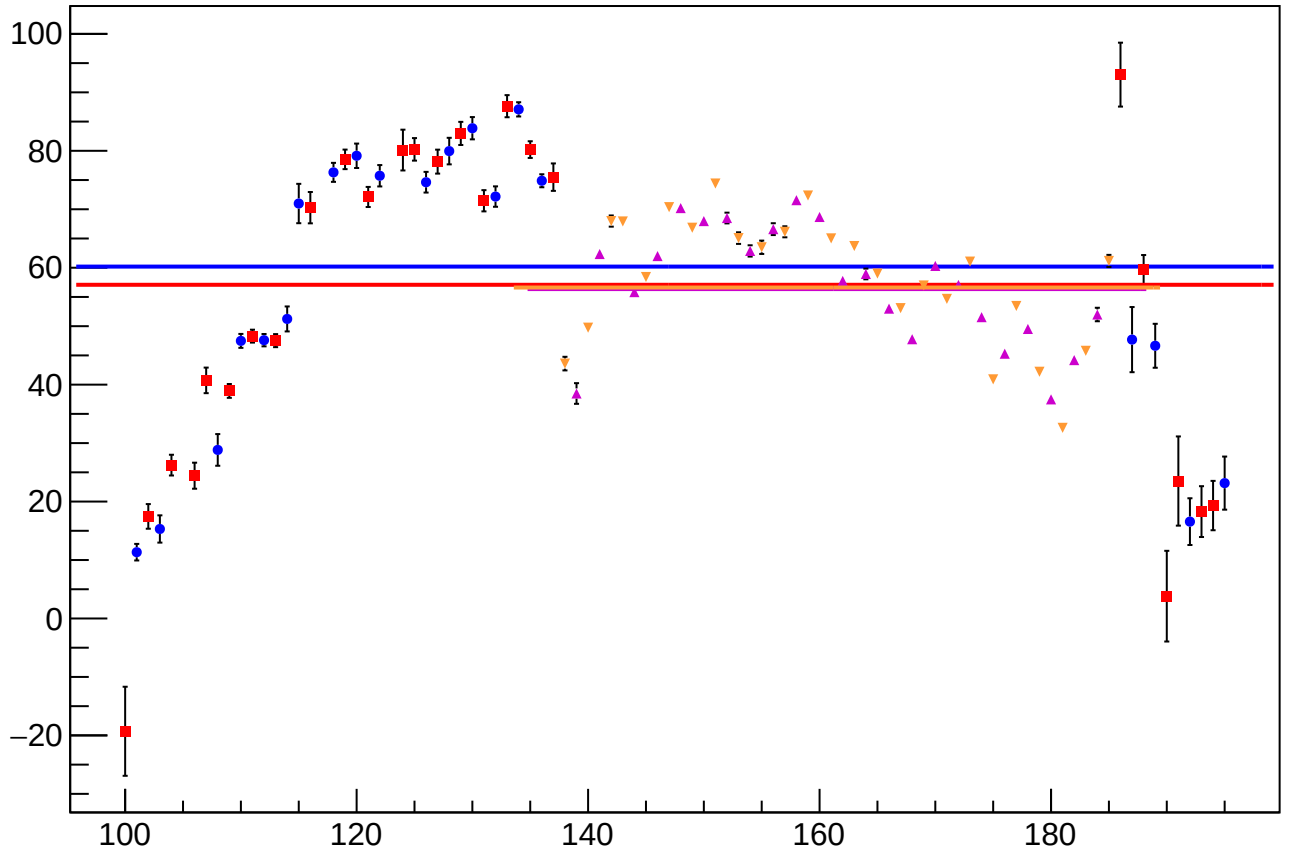
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -80.789+/-0.237 χ^2/NDF: 4432.2/44

In: -57.134+/-0.152 χ^2/NDF:24877.5/42

Out: -57.961+/-0.147 χ^2/NDF:30041.3/49

All: -57.562+/-0.106 χ^2/NDF: 54934.1/92



Right In: 60.195+/-0.394 χ^2/NDF: 3438.4/19

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.082+/-0.390 χ^2/NDF: 3048.7/24

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

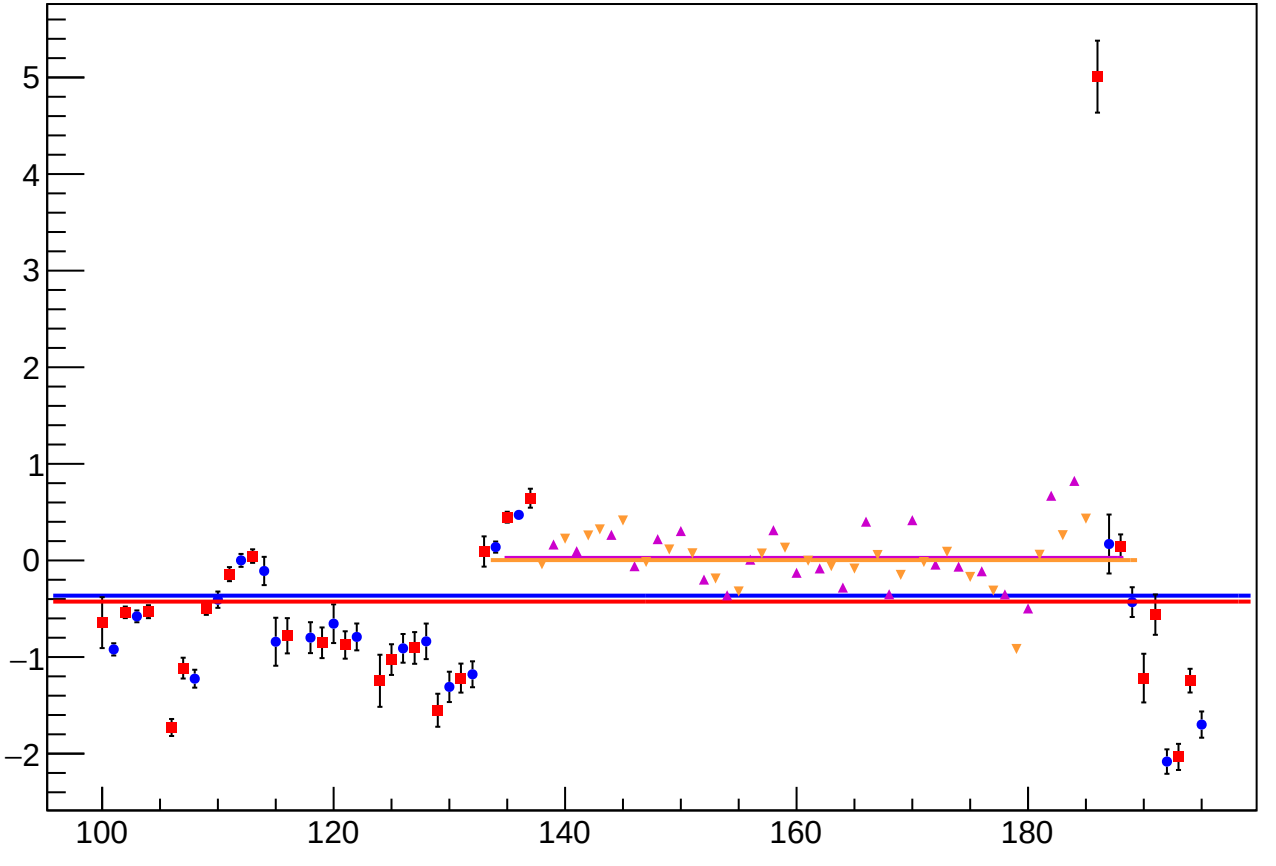
Right: 58.622+/-0.277 χ^2/NDF: 6518.6/44

In: 56.820+/-0.138 χ^2/NDF:7490.8/42

Out: 56.669+/-0.135 χ^2/NDF:8716.1/49

All: 56.743+/-0.097 χ^2/NDF: 16207.5/92

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.364+/-0.021 χ^2/NDF: 1026.8/19

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.426+/-0.021 χ^2/NDF: 1252.8/24

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

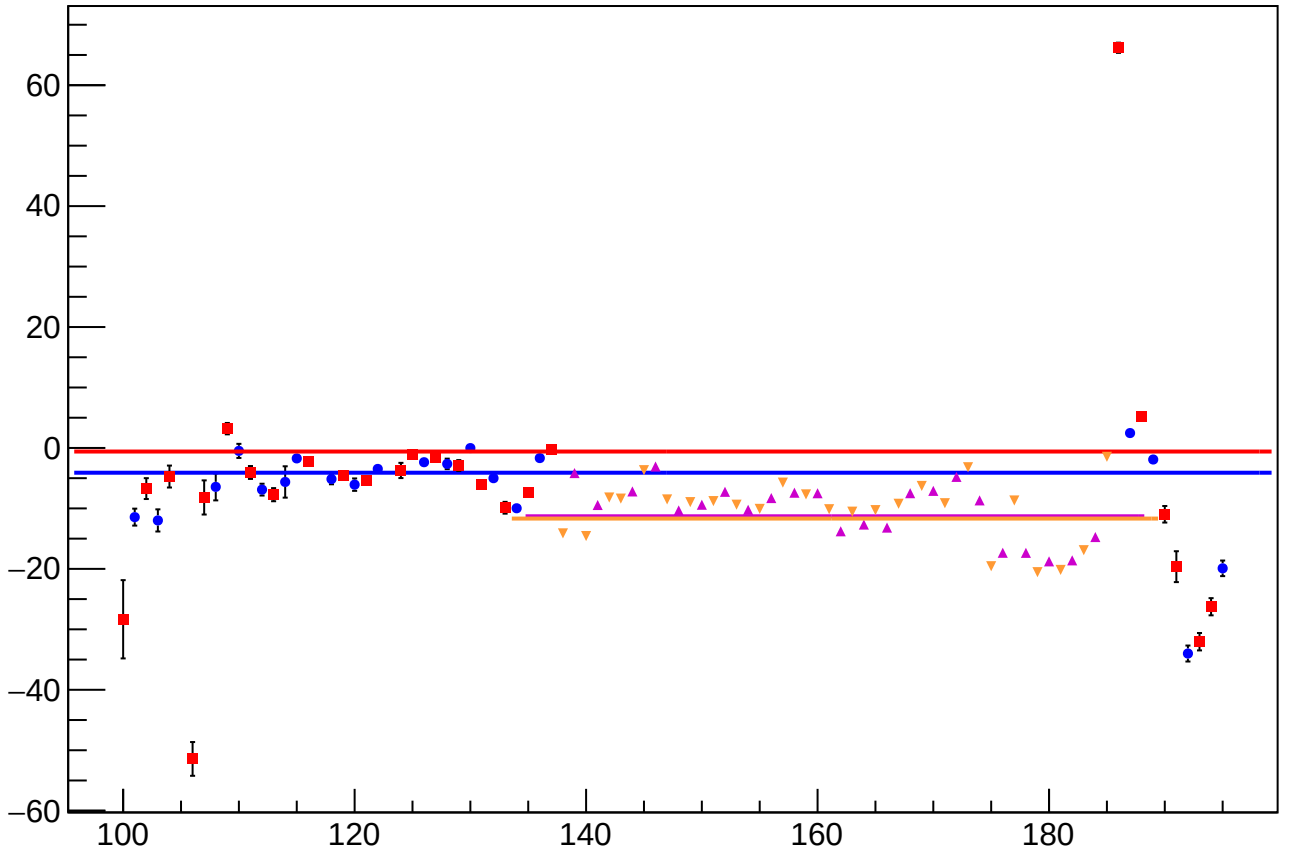
Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

Right: -0.395+/-0.015 χ^2/NDF: 2284.0/44

In: -0.009+/-0.006 χ^2/NDF:3695.8/42

Out: -0.034+/-0.006 χ^2/NDF:3343.8/49

All: -0.022+/-0.004 χ^2/NDF: 7047.7/92



Right In: -4.096+/-0.176 χ^2/NDF: 977.1/19

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -0.592+/-0.172 χ^2/NDF: 8242.9/24

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

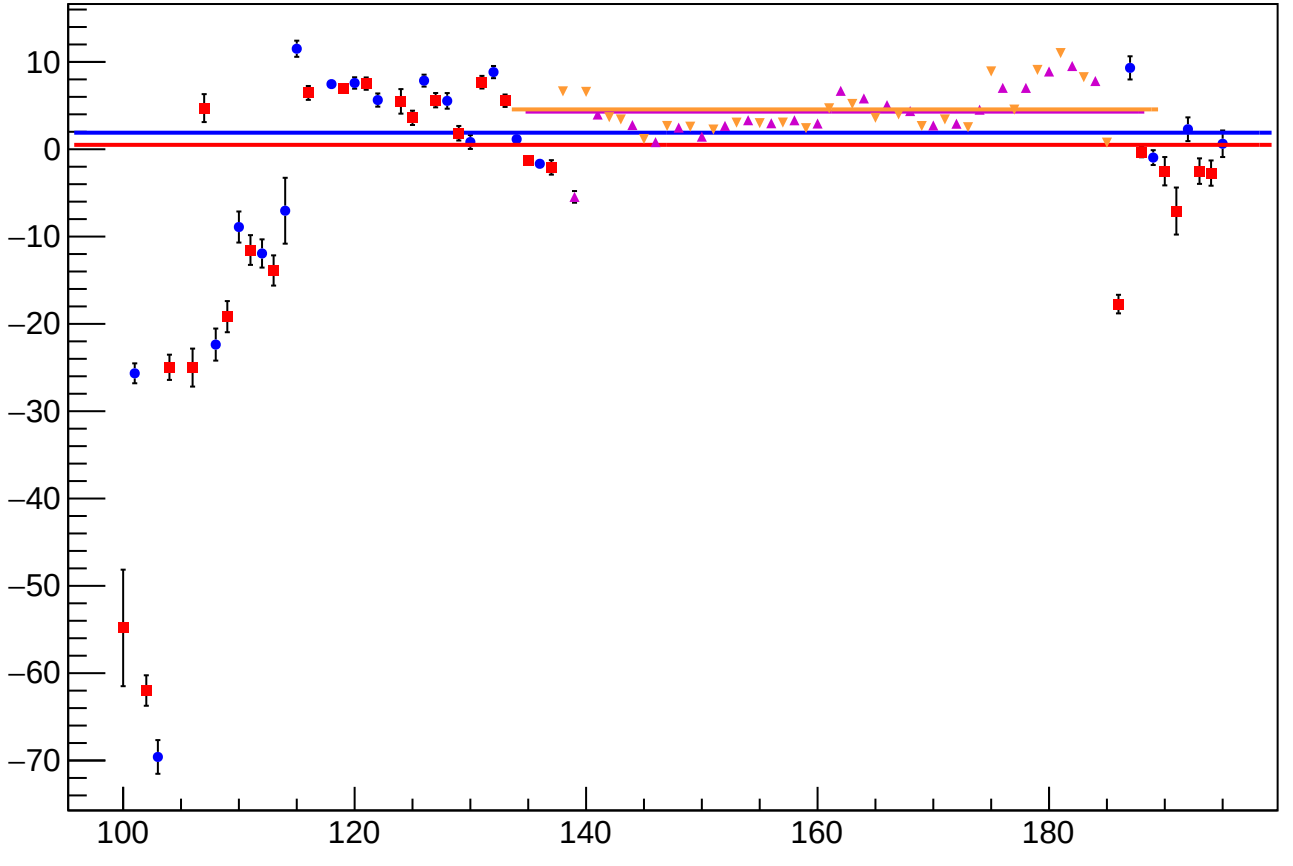
Right: -2.308+/-0.123 χ^2/NDF: 9422.8/44

In: -10.680+/-0.052 χ^2/NDF:11742.0/42

Out: -10.732+/-0.050 χ^2/NDF:24637.2/49

All: -10.707+/-0.036 χ^2/NDF: 36379.7/92

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.896+/-0.180 χ^2/NDF: 2881.5/19

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.504+/-0.188 χ^2/NDF: 2900.2/24

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

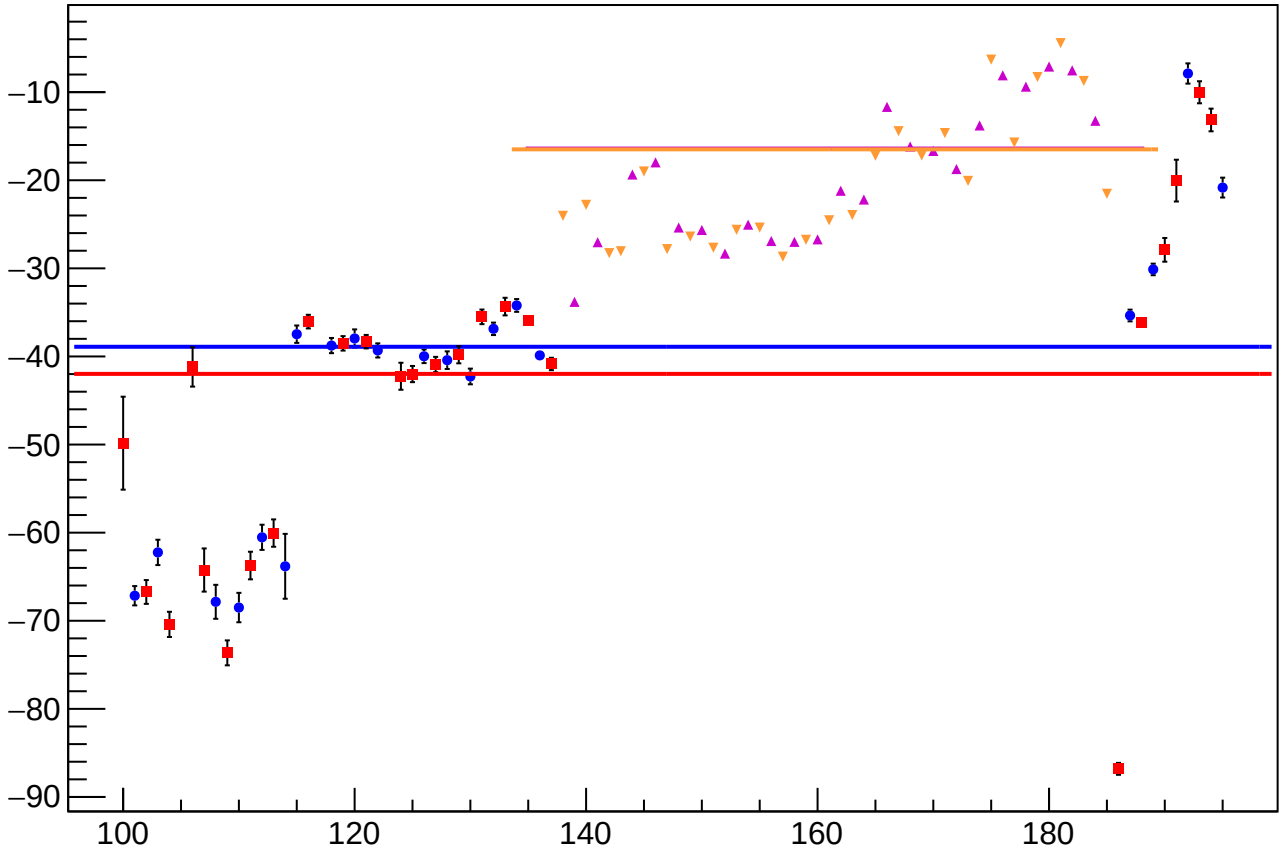
Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

Right: 1.232+/-0.130 χ^2/NDF: 5810.2/44

In: 4.183+/-0.041 χ^2/NDF:6661.0/42

Out: 4.377+/-0.040 χ^2/NDF:7699.8/49

All: 4.281+/-0.029 χ^2/NDF: 14372.1/92



Right In: -38.902+/-0.185 χ^2/NDF: 3015.1/19

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -41.978+/-0.177 χ^2/NDF: 8020.8/24

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

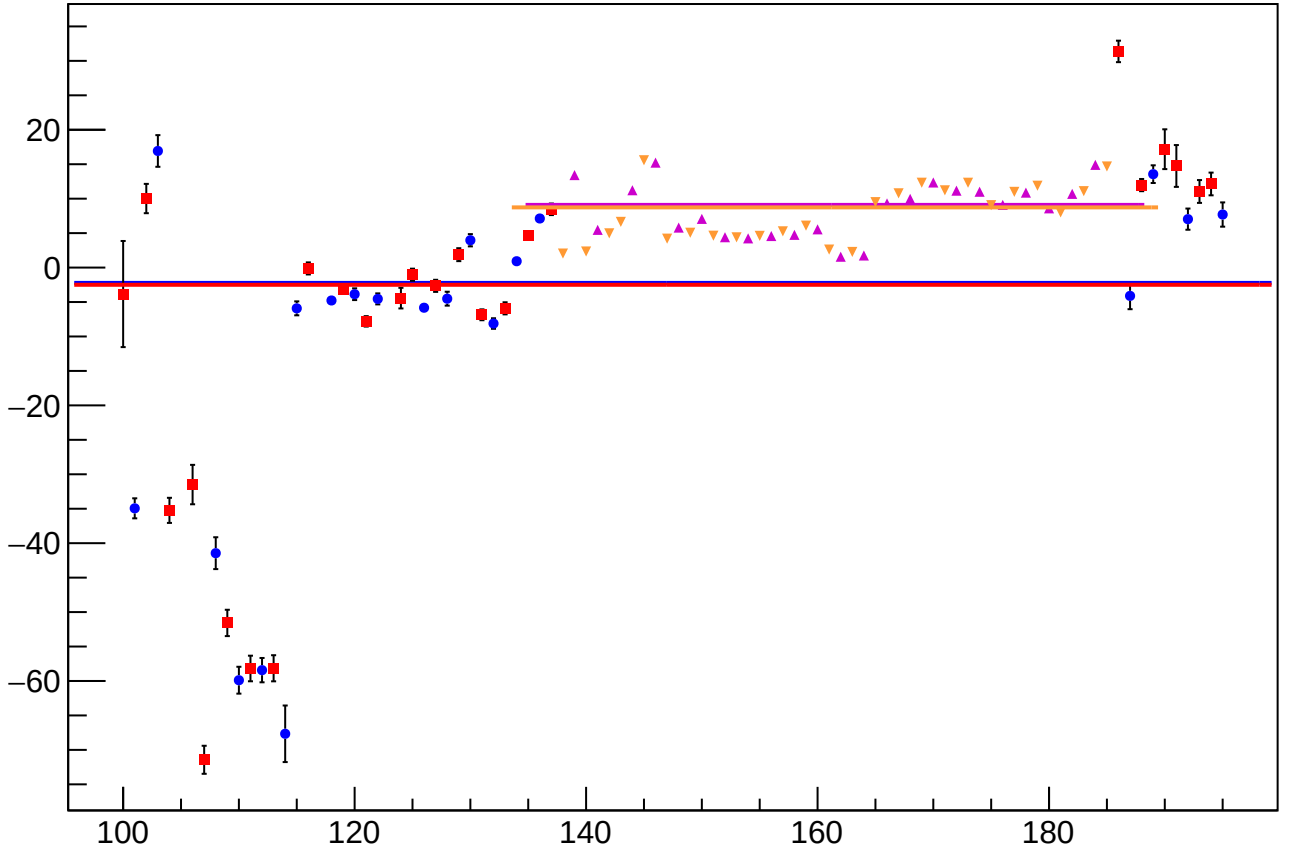
Right: -40.503+/-0.128 χ^2/NDF: 11180.3/44

In: -18.170+/-0.052 χ^2/NDF:34723.0/42

Out: -18.568+/-0.051 χ^2/NDF:48991.8/49

All: -18.373+/-0.036 χ^2/NDF: 83745.1/92

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.225+/-0.203 χ^2/NDF: 3957.2/19

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -2.497+/-0.217 χ^2/NDF: 5458.4/24

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

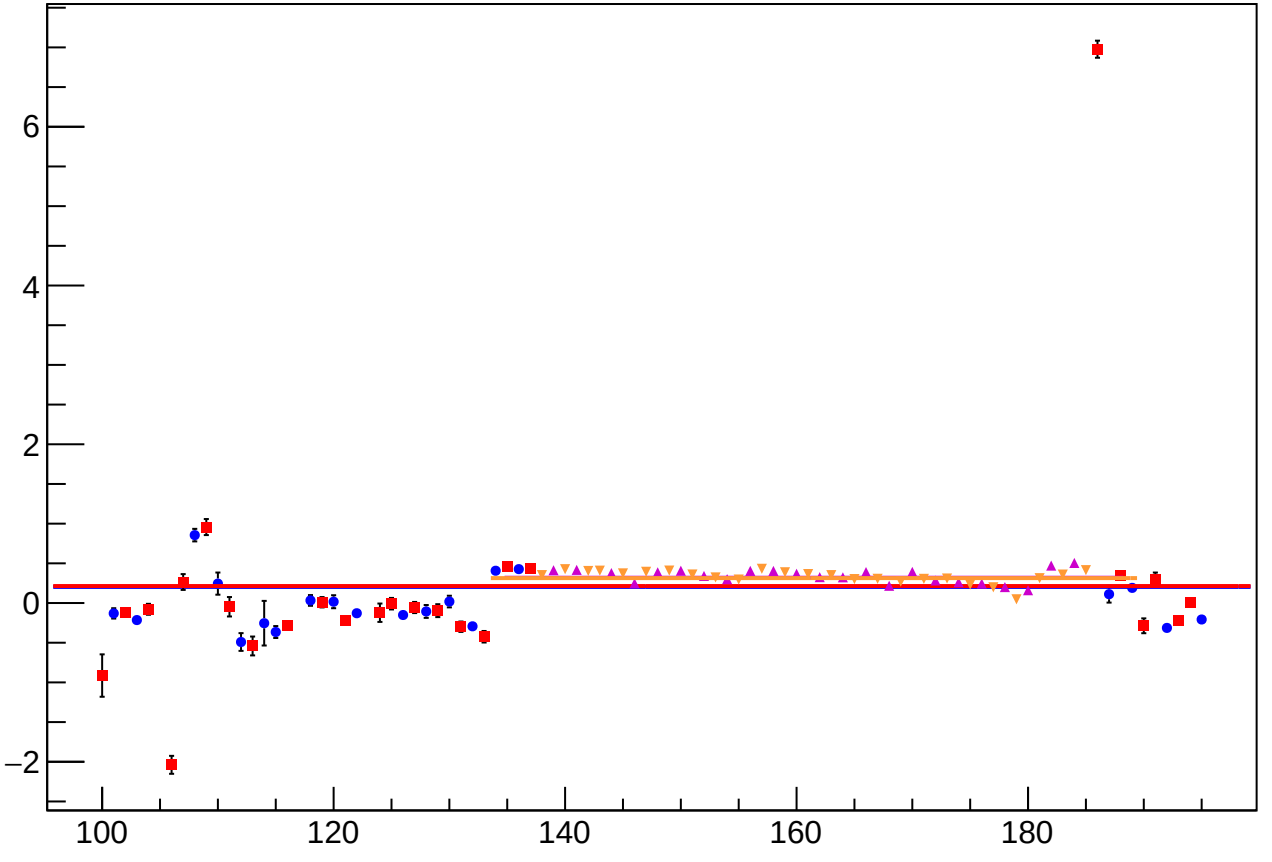
Right: -2.352+/-0.148 χ^2/NDF: 9416.4/44

In: 8.516+/-0.046 χ^2/NDF:12660.0/42

Out: 8.247+/-0.045 χ^2/NDF:14899.2/49

All: 8.379+/-0.032 χ^2/NDF: 27576.6/92

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203+/-0.011 χ^2/NDF: 823.4/19

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.214+/-0.012 χ^2/NDF: 5123.8/24

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

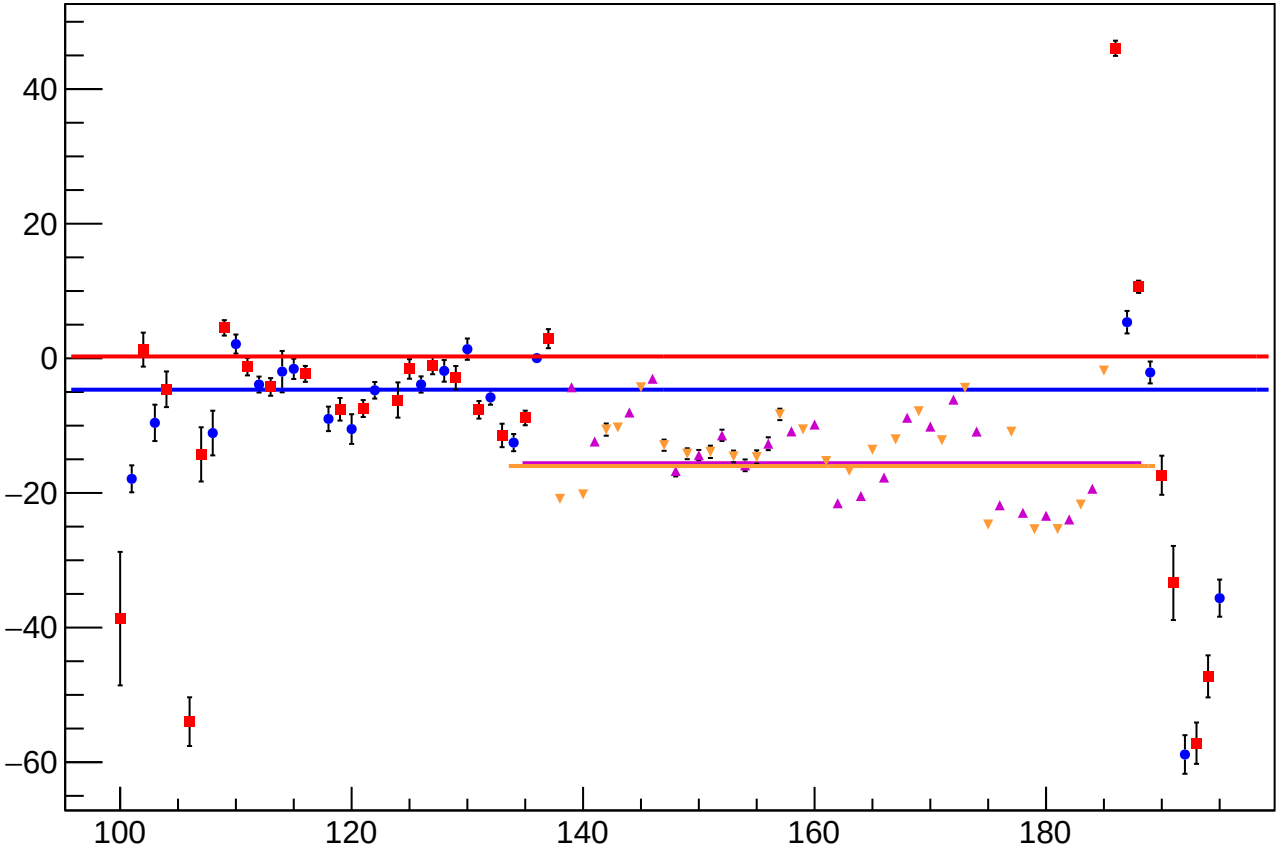
Right: 0.208+/-0.008 χ^2/NDF: 5947.7/44

In: 0.314+/-0.002 χ^2/NDF:2724.3/42

Out: 0.311+/-0.002 χ^2/NDF:6797.1/49

All: 0.313+/-0.001 χ^2/NDF: 9522.8/92

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.656+/-0.327 χ^2/NDF: 715.0/19

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 0.276+/-0.313 χ^2/NDF: 2947.9/24

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

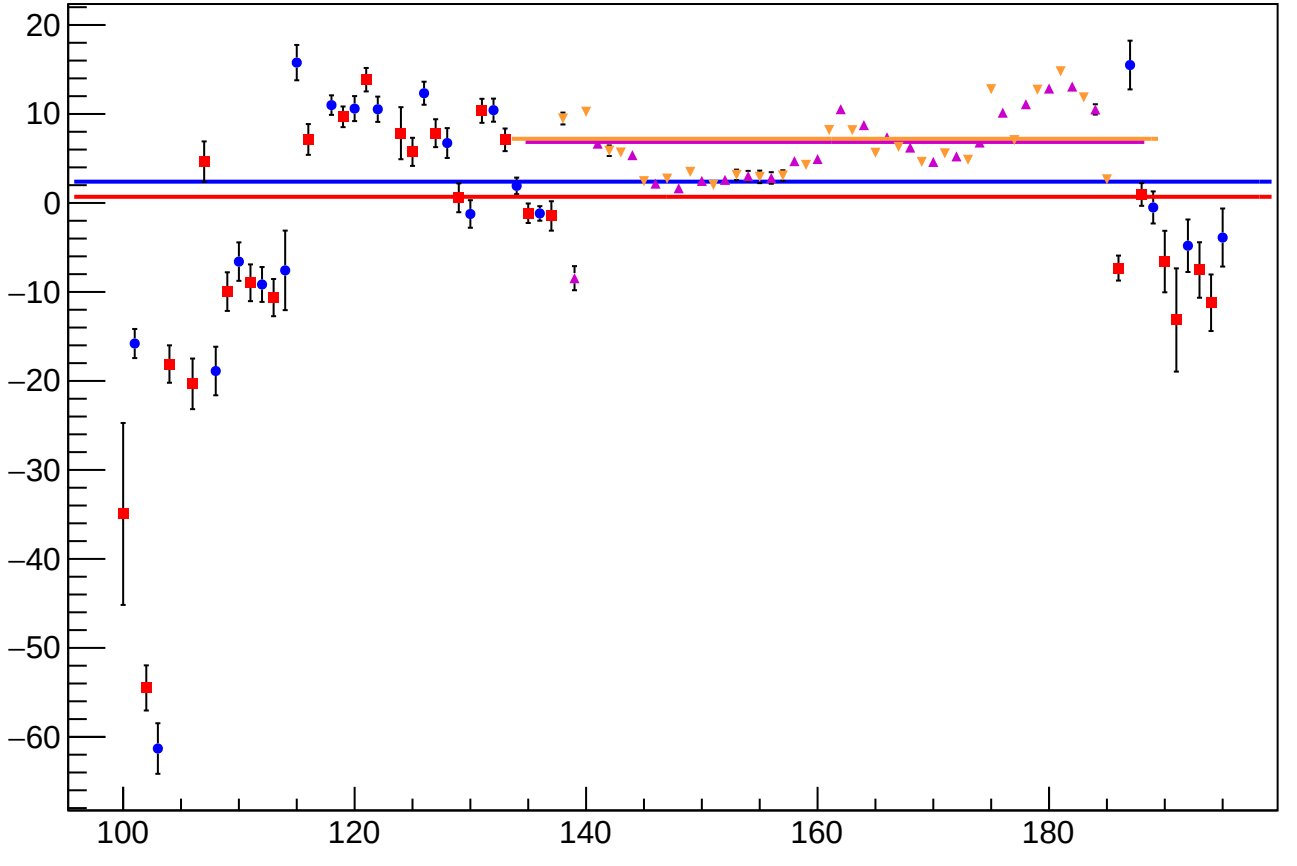
Right: -2.080+/-0.226 χ^2/NDF: 3781.5/44

In: -14.615+/-0.097 χ^2/NDF:6491.2/42

Out: -14.509+/-0.095 χ^2/NDF:11368.3/49

All: -14.560+/-0.068 χ^2/NDF: 17860.1/92

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.343 χ^2/NDF: 1081.9/19

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.693+/-0.350 χ^2/NDF: 1054.0/24

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

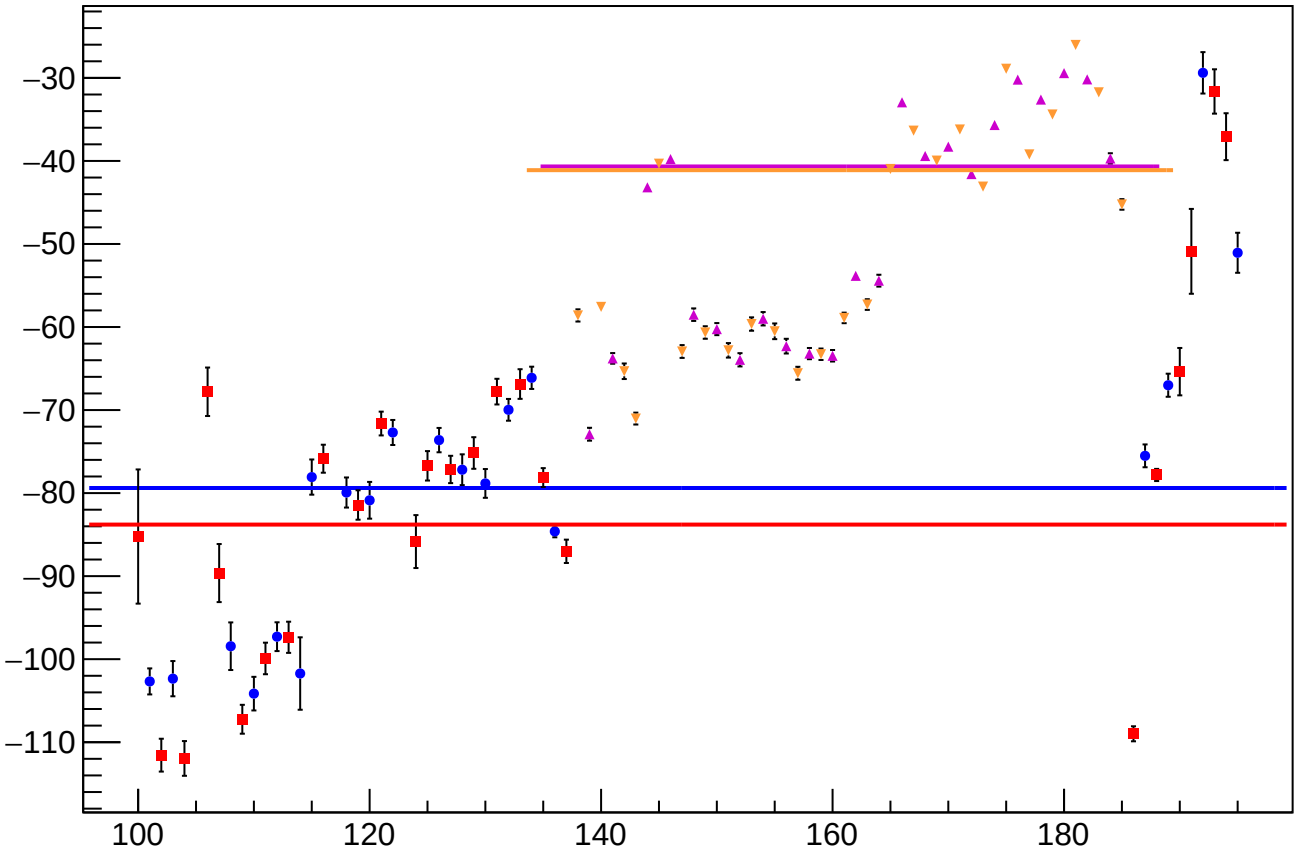
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 1.562+/-0.245 χ^2/NDF: 2148.0/44

In: 6.620+/-0.079 χ^2/NDF:3398.7/42

Out: 6.888+/-0.078 χ^2/NDF:3838.9/49

All: 6.755+/-0.055 χ^2/NDF: 7243.5/92



Right In: -79.386+/-0.350 χ^2/NDF: 1533.5/19

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -83.793+/-0.327 χ^2/NDF: 2674.7/24

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

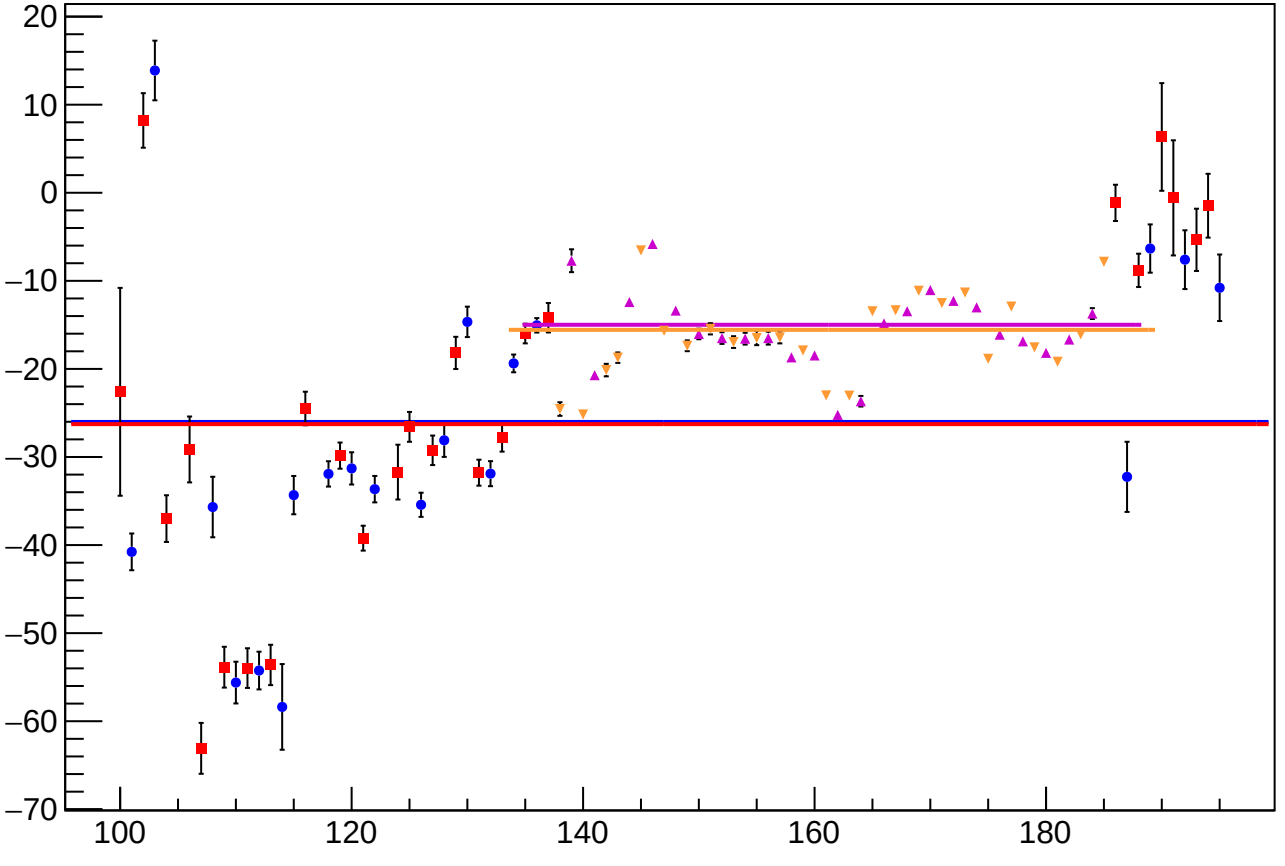
Right: -81.739+/-0.239 χ^2/NDF: 4292.7/44

In: -43.704+/-0.098 χ^2/NDF:26335.5/42

Out: -44.758+/-0.096 χ^2/NDF:34242.6/49

All: -44.245+/-0.068 χ^2/NDF: 60637.3/92

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.021+/-0.385 χ^2/NDF: 1068.1/19

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -26.271+/-0.405 χ^2/NDF: 1367.3/24

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

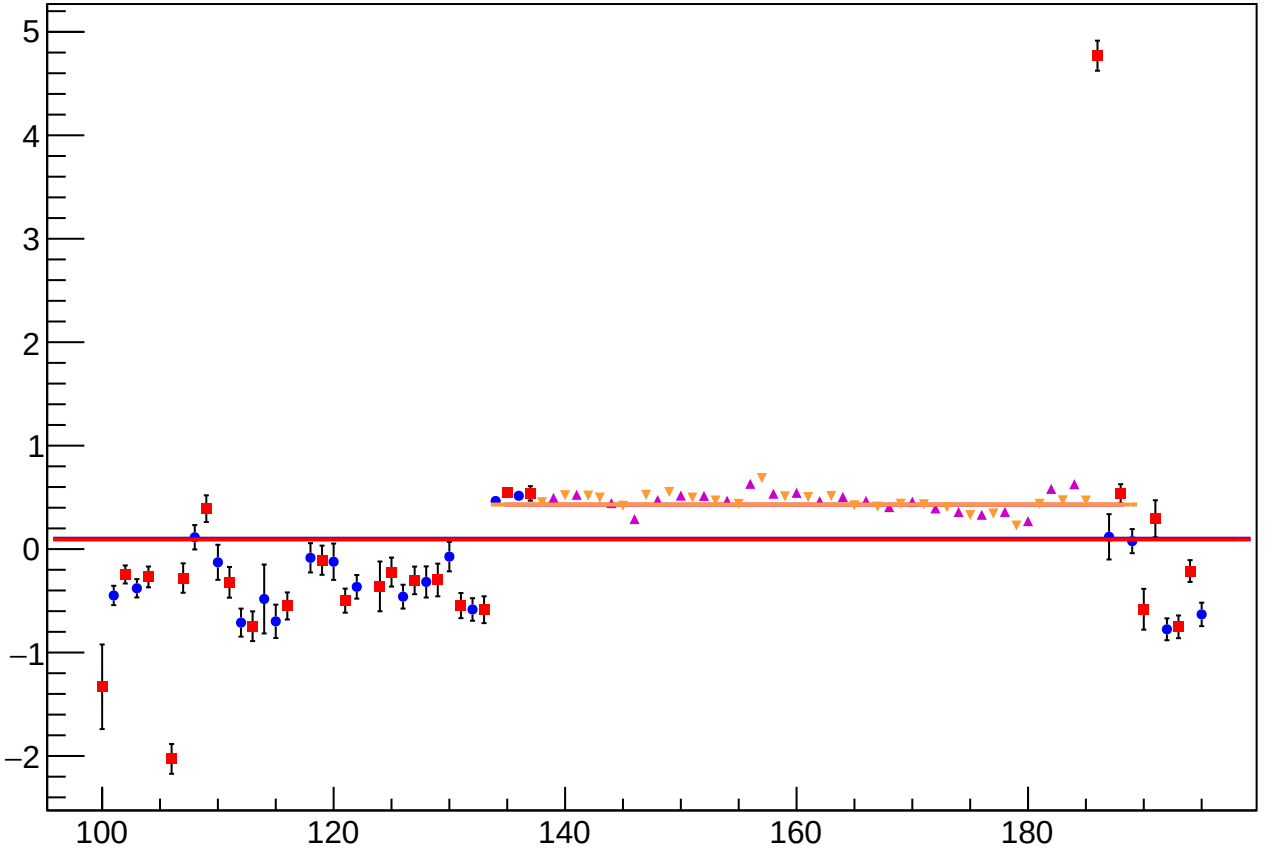
Right: -26.140+/-0.279 χ^2/NDF: 2435.6/44

In: -15.565+/-0.088 χ^2/NDF:3997.2/42

Out: -16.055+/-0.087 χ^2/NDF:4584.5/49

All: -15.813+/-0.062 χ^2/NDF: 8597.3/92

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.100+/-0.020 χ^2/NDF: 541.5/19

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.093+/-0.022 χ^2/NDF: 1727.8/24

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

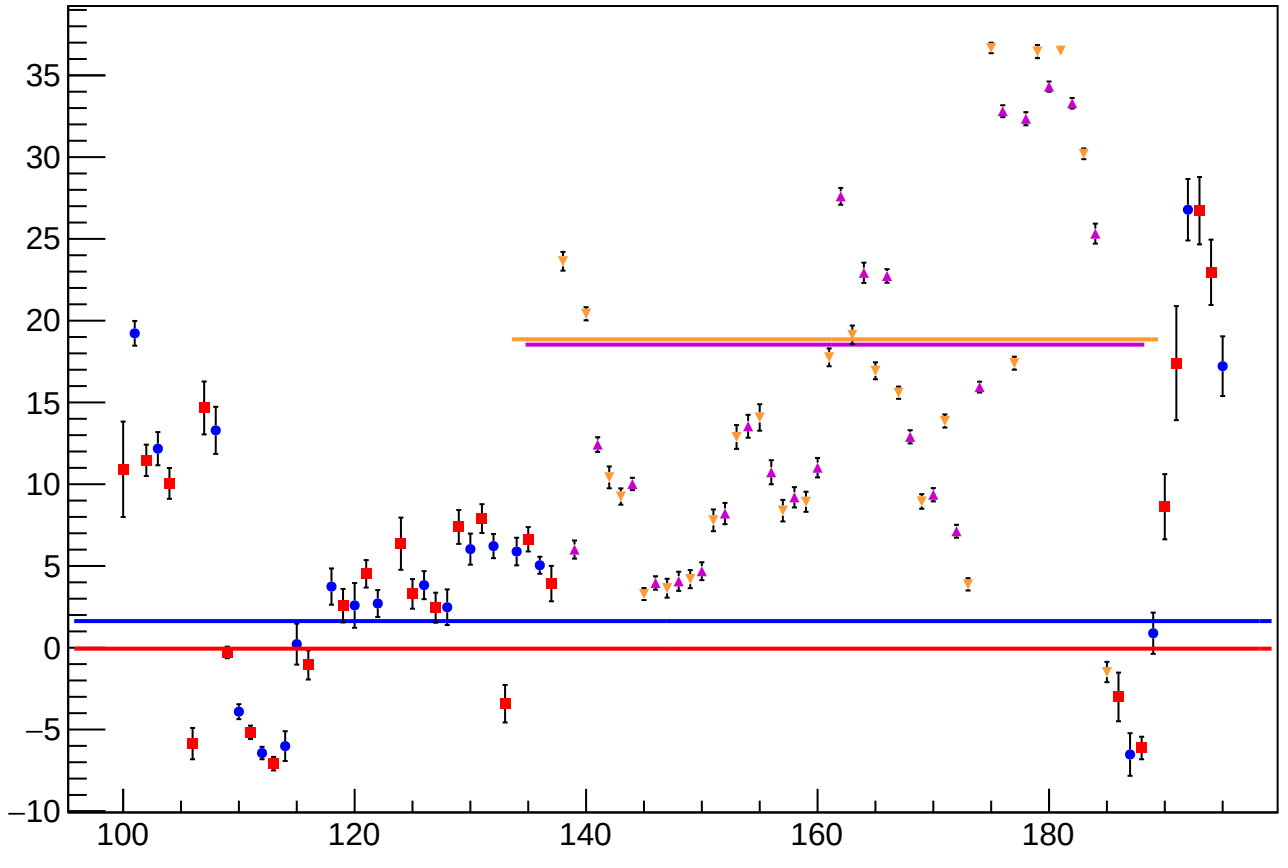
Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

Right: 0.097+/-0.015 χ^2/NDF: 2269.4/44

In: 0.417+/-0.004 χ^2/NDF:1380.8/42

Out: 0.420+/-0.004 χ^2/NDF:2374.3/49

All: 0.419+/-0.003 χ^2/NDF: 3755.3/92



Right In: 1.630+/-0.178 χ^2/NDF: 1814.9/19

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: -0.055+/-0.160 χ^2/NDF: 1574.8/24

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

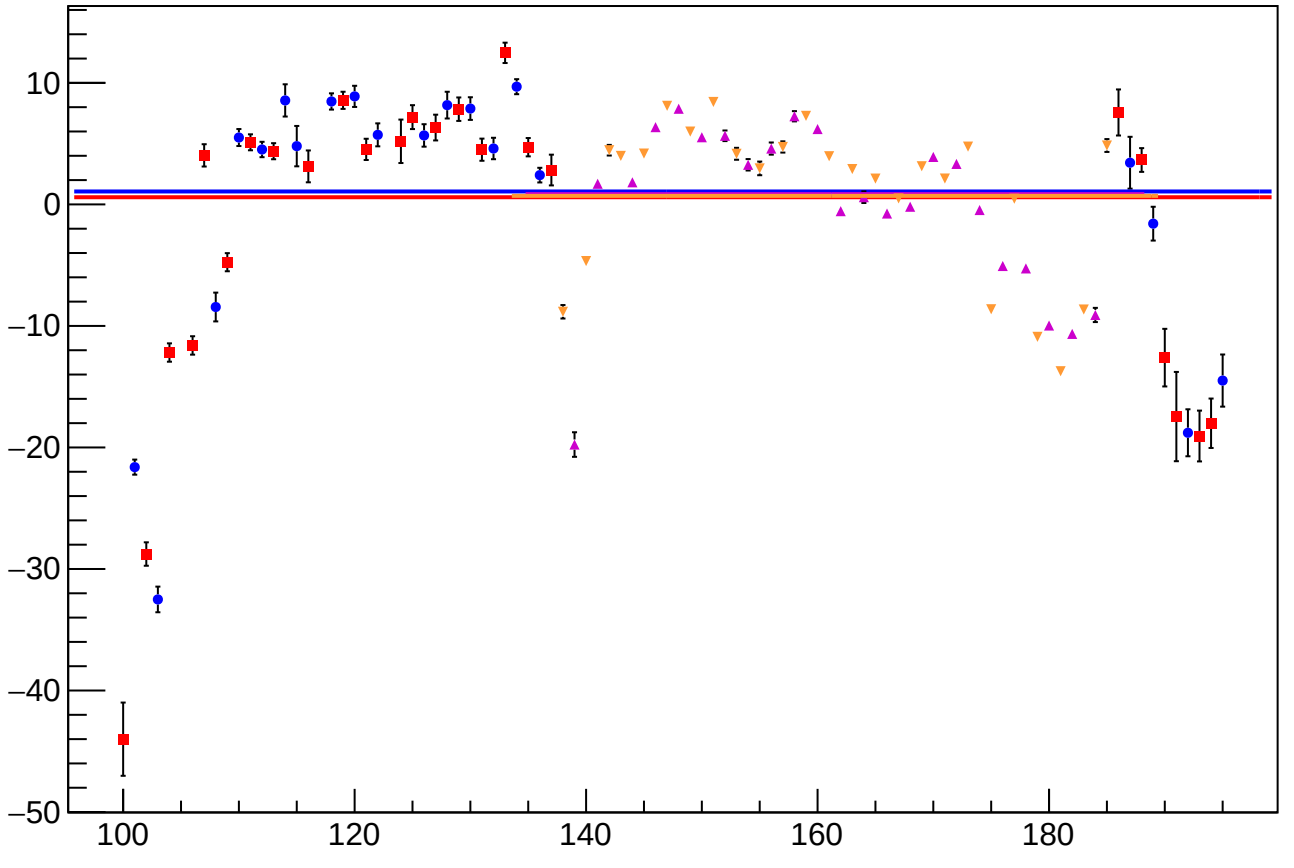
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 0.699+/-0.119 χ^2/NDF: 3439.3/44

In: 14.889+/-0.083 χ^2/NDF:22970.8/42

Out: 14.280+/-0.079 χ^2/NDF:30541.6/49

All: 14.570+/-0.057 χ^2/NDF: 53540.9/92



Right In: 1.064+/-0.198 χ^2/NDF: 3247.0/19

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.589+/-0.194 χ^2/NDF: 2629.9/24

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

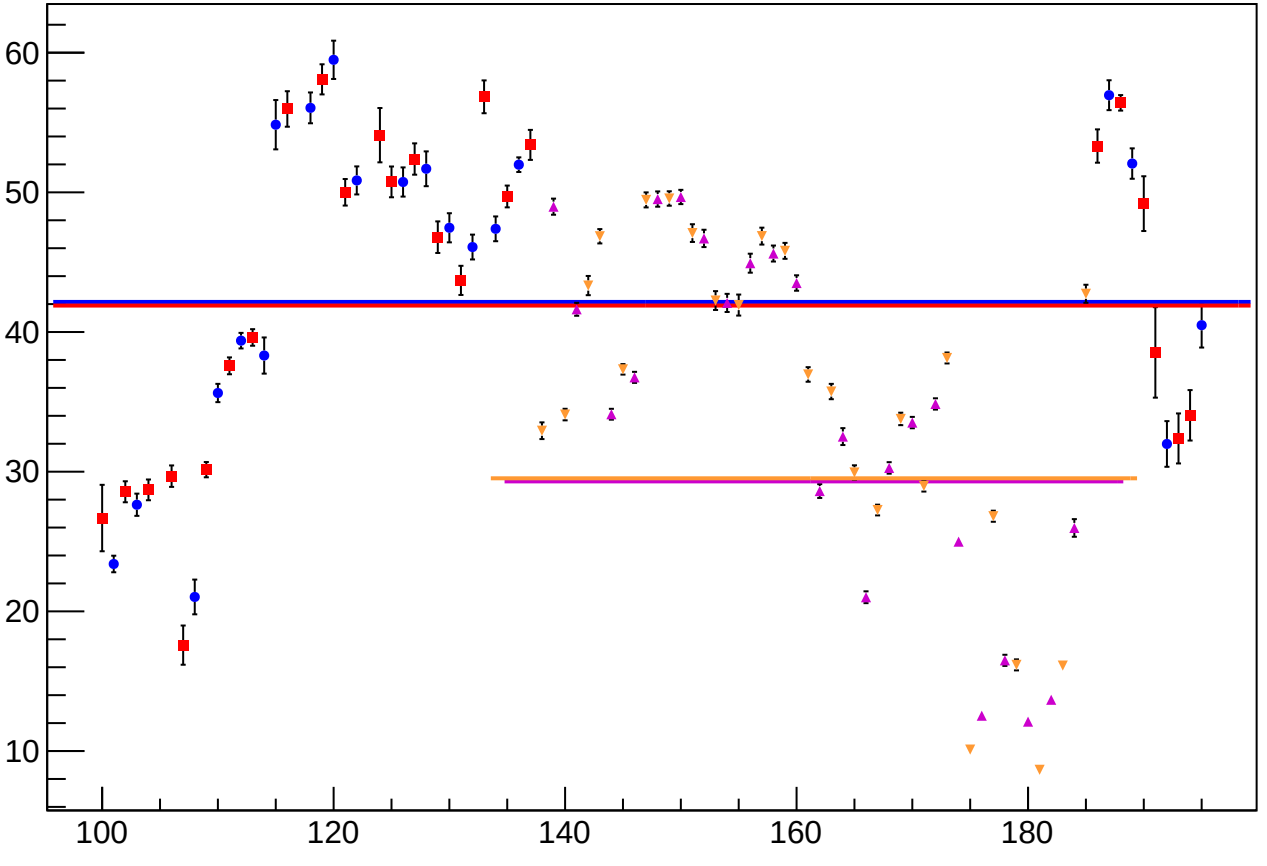
Right: 0.821+/-0.139 χ^2/NDF: 5879.8/44

In: 0.872+/-0.068 χ^2/NDF:9293.4/42

Out: 0.689+/-0.066 χ^2/NDF:10868.0/49

All: 0.778+/-0.047 χ^2/NDF: 20165.1/92

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.154+/-0.200 χ^2/NDF: 3072.5/19

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.894+/-0.185 χ^2/NDF: 3598.3/24

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

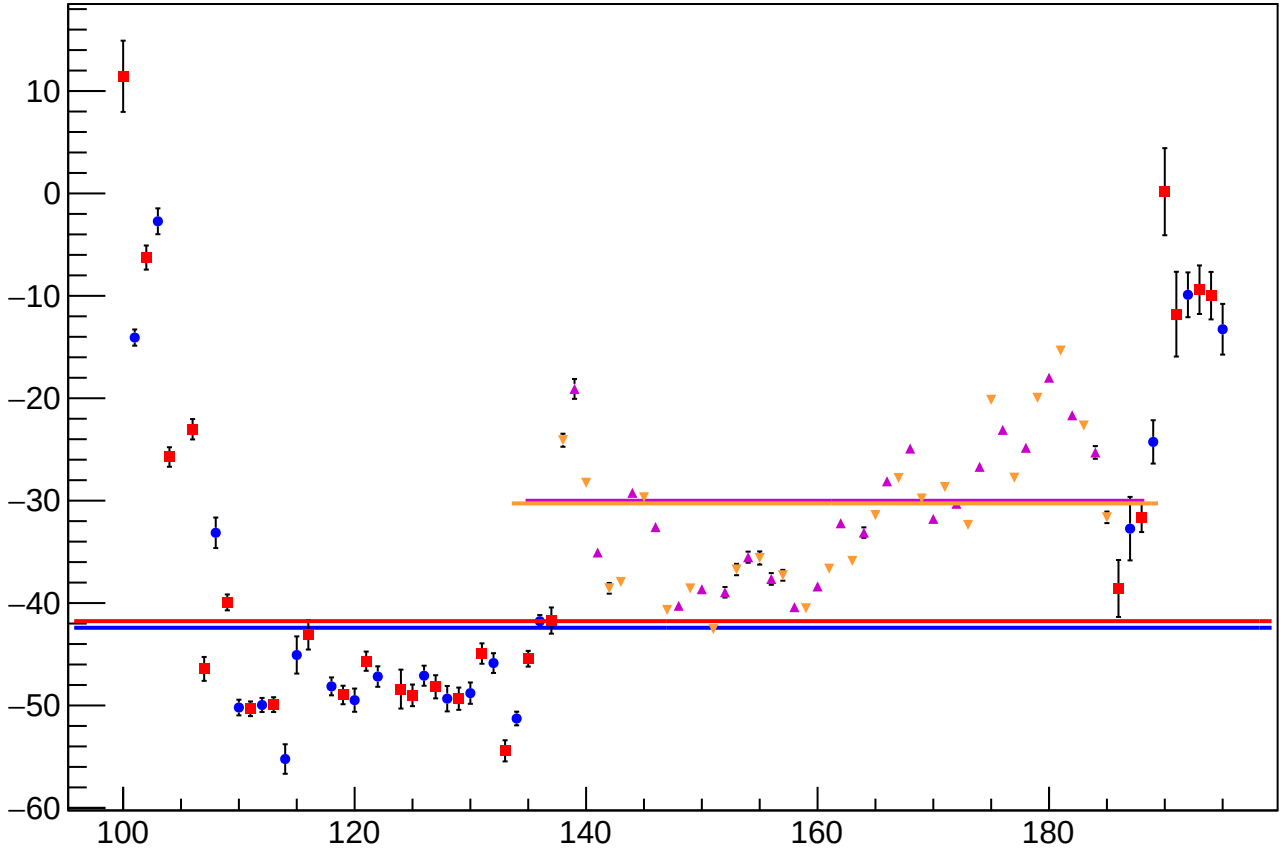
Right: 42.014+/-0.136 χ^2/NDF: 6671.7/44

In: 31.595+/-0.084 χ^2/NDF:24336.7/42

Out: 31.917+/-0.081 χ^2/NDF:28286.4/49

All: 31.762+/-0.059 χ^2/NDF: 52630.7/92

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -42.412+/-0.225 χ^2/NDF: 3442.5/19

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -41.764+/-0.223 χ^2/NDF: 3052.3/24

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

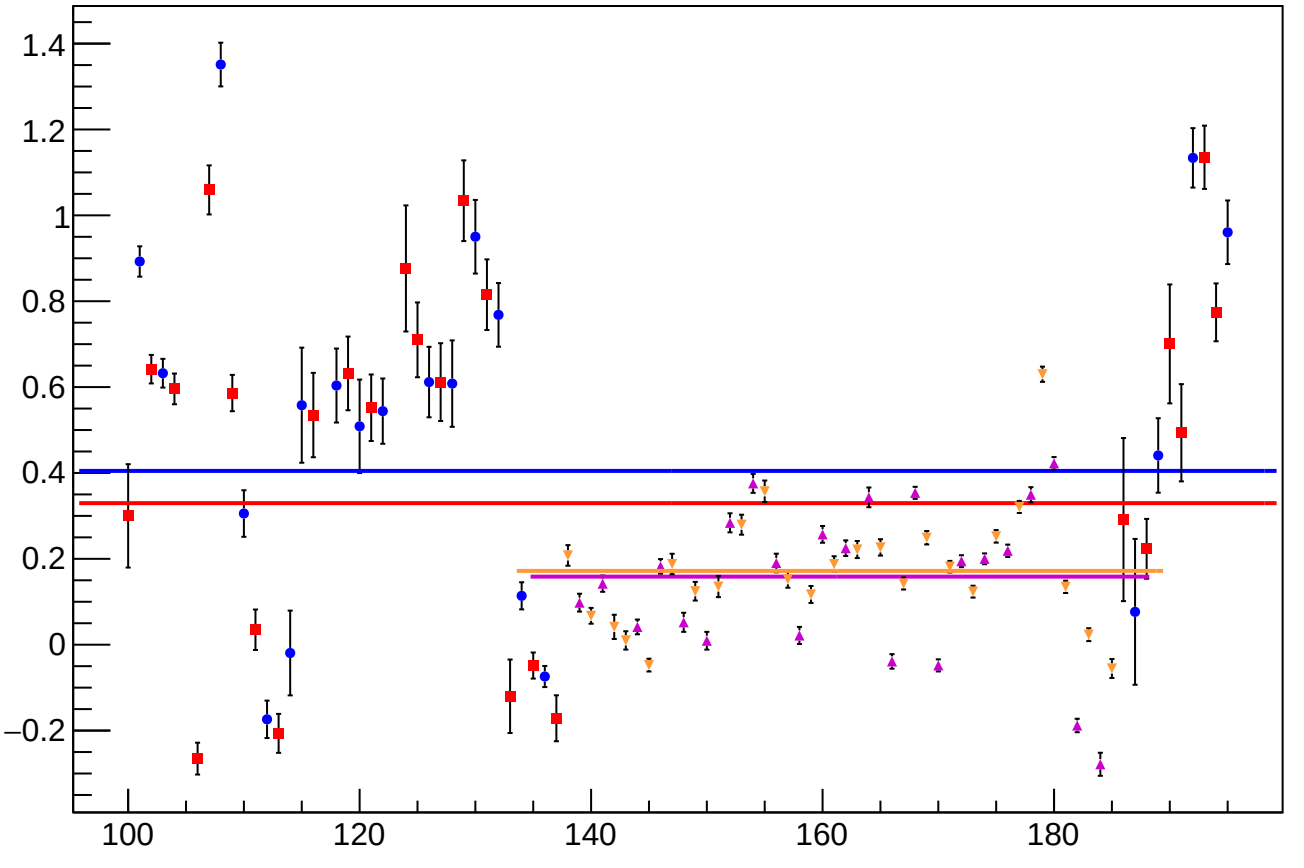
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -42.084+/-0.158 χ^2/NDF: 6499.1/44

In: -31.442+/-0.076 χ^2/NDF:12207.3/42

Out: -31.560+/-0.075 χ^2/NDF:13916.4/49

All: -31.502+/-0.053 χ^2/NDF: 26124.9/92



Right In: 0.405+/-0.012 χ^2/NDF: 1501.2/19

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.330+/-0.011 χ^2/NDF: 1383.5/24

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

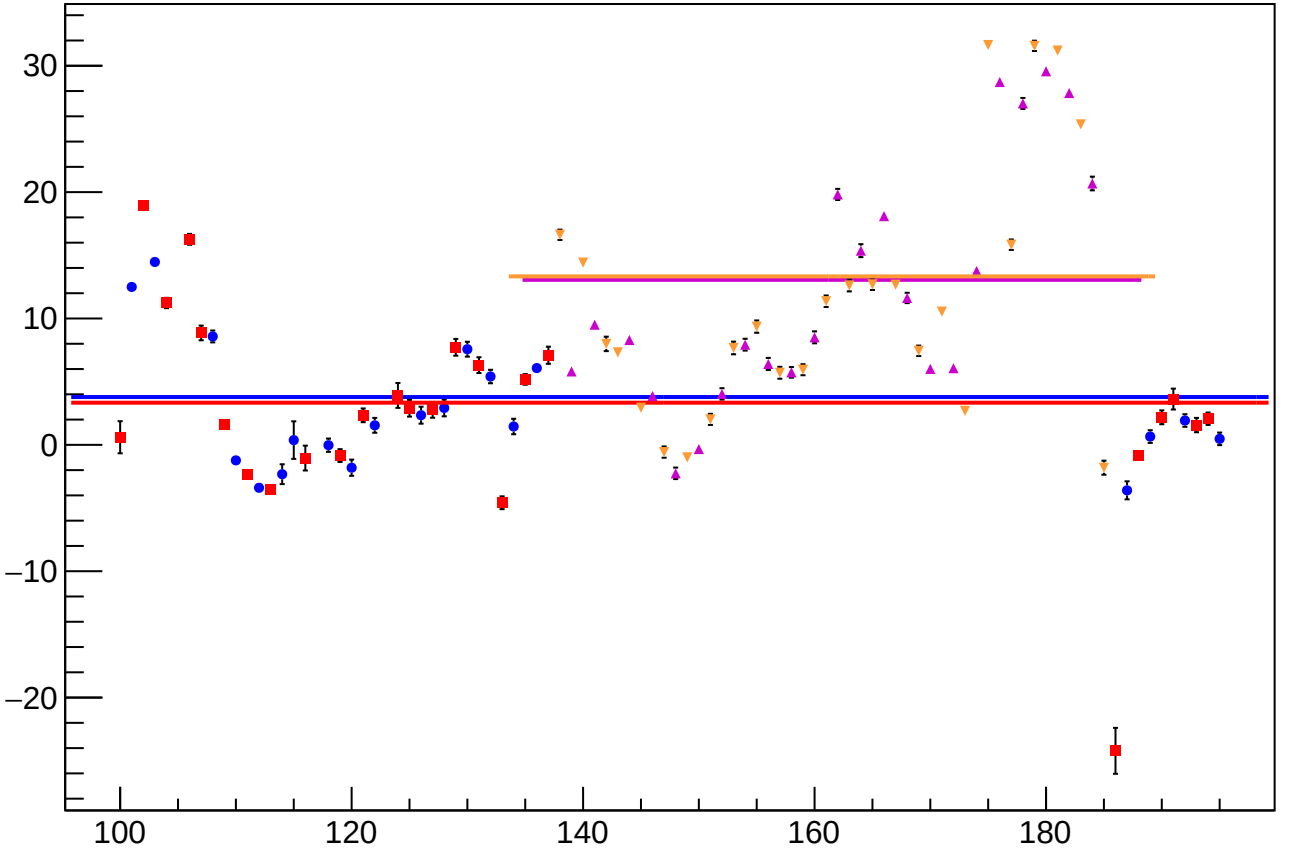
Right: 0.366+/-0.008 χ^2/NDF: 2905.6/44

In: 0.180+/-0.003 χ^2/NDF:4091.1/42

Out: 0.186+/-0.003 χ^2/NDF:3057.3/49

All: 0.183+/-0.002 χ^2/NDF: 7149.7/92

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.783+/-0.107 χ^2/NDF: 2856.8/19

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 3.336+/-0.095 χ^2/NDF: 4804.8/24

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

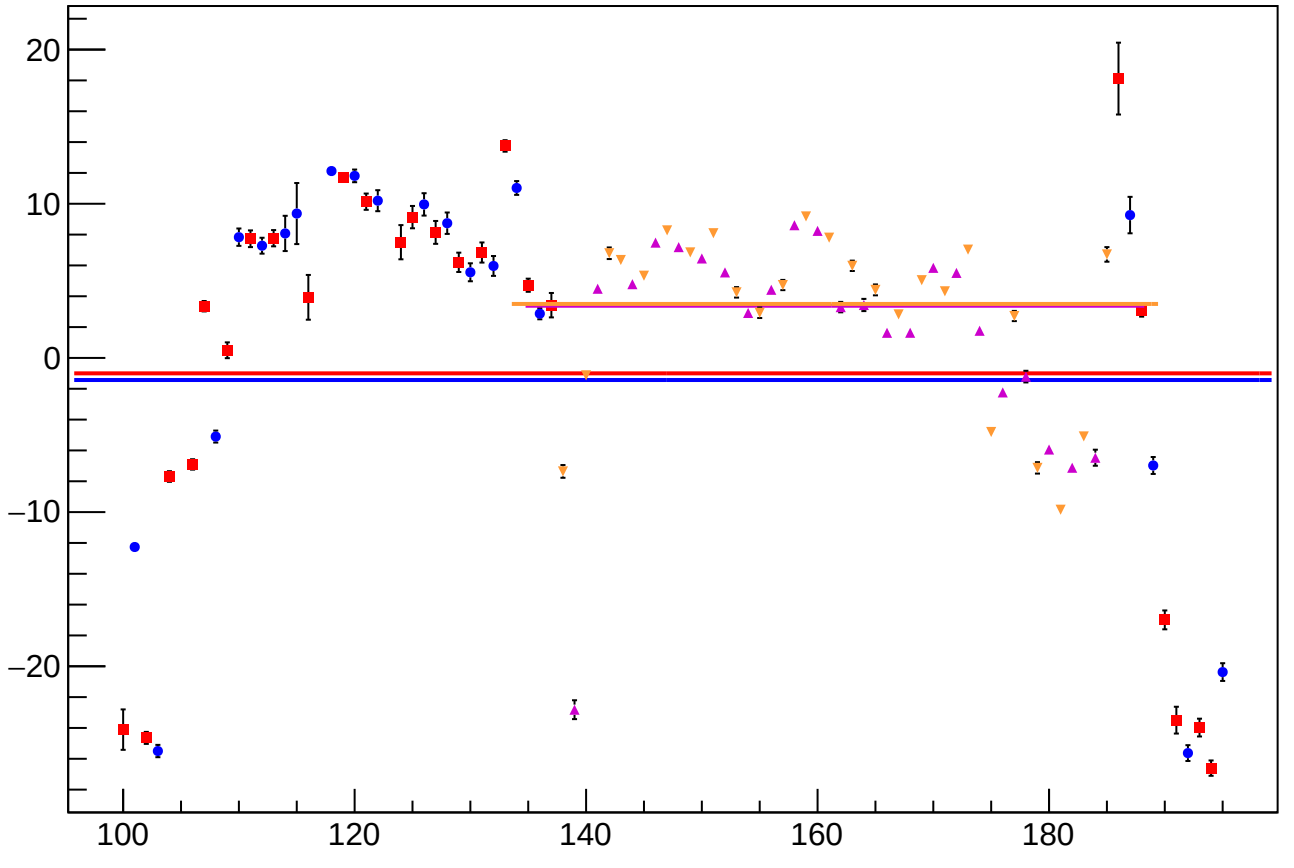
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.532+/-0.071 χ^2/NDF: 7671.3/44

In: 9.777+/-0.064 χ^2/NDF:23258.8/42

Out: 9.370+/-0.060 χ^2/NDF:30954.4/49

All: 9.560+/-0.044 χ^2/NDF: 54235.0/92



Right In: -1.433+/-0.108 χ^2/NDF: 14287.7/19

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -1.000+/-0.100 χ^2/NDF: 15581.2/24

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

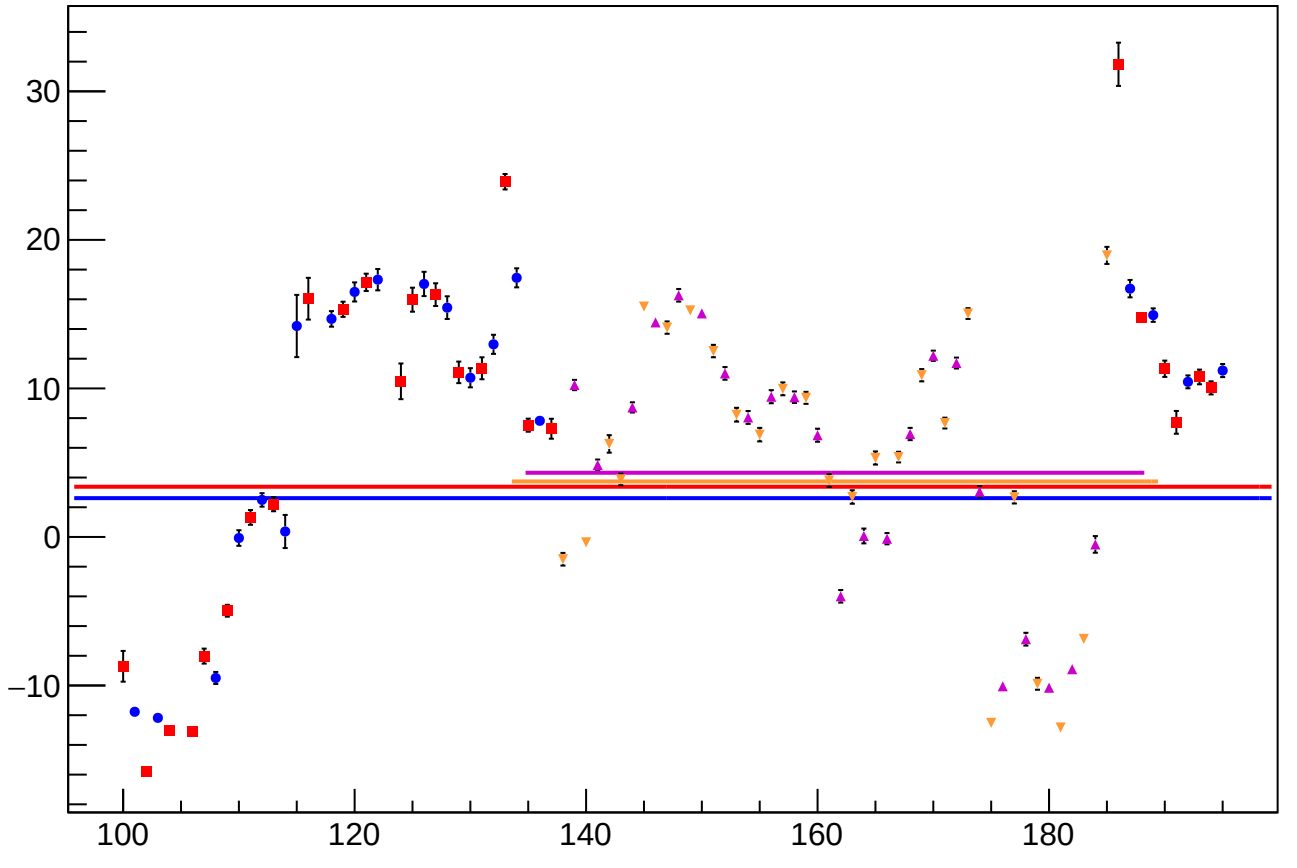
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -1.200+/-0.074 χ^2/NDF: 29877.5/44

In: 2.225+/-0.053 χ^2/NDF:22497.4/42

Out: 2.359+/-0.051 χ^2/NDF:24994.1/49

All: 2.295+/-0.037 χ^2/NDF: 47494.8/92



Right In: 2.613+/-0.106 χ^2/NDF: 11782.7/19

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 3.381+/-0.094 χ^2/NDF: 17957.7/24

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

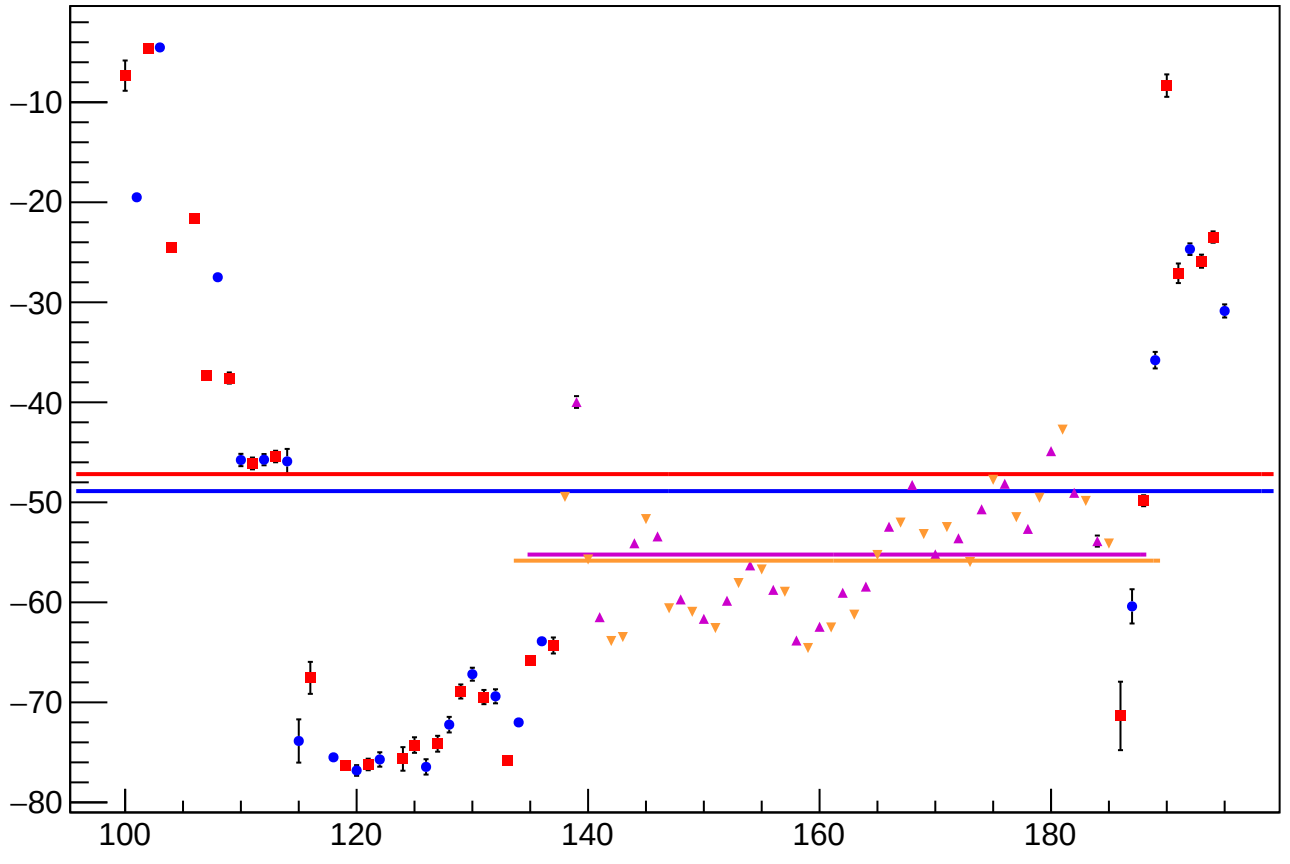
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 3.044+/-0.070 χ^2/NDF: 29769.6/44

In: 3.719+/-0.063 χ^2/NDF:24433.0/42

Out: 3.596+/-0.059 χ^2/NDF:33553.1/49

All: 3.654+/-0.043 χ^2/NDF: 57988.0/92



Right In: -48.877+/-0.128 χ^2/NDF: 36849.3/19

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -47.178+/-0.120 χ^2/NDF: 38850.4/24

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

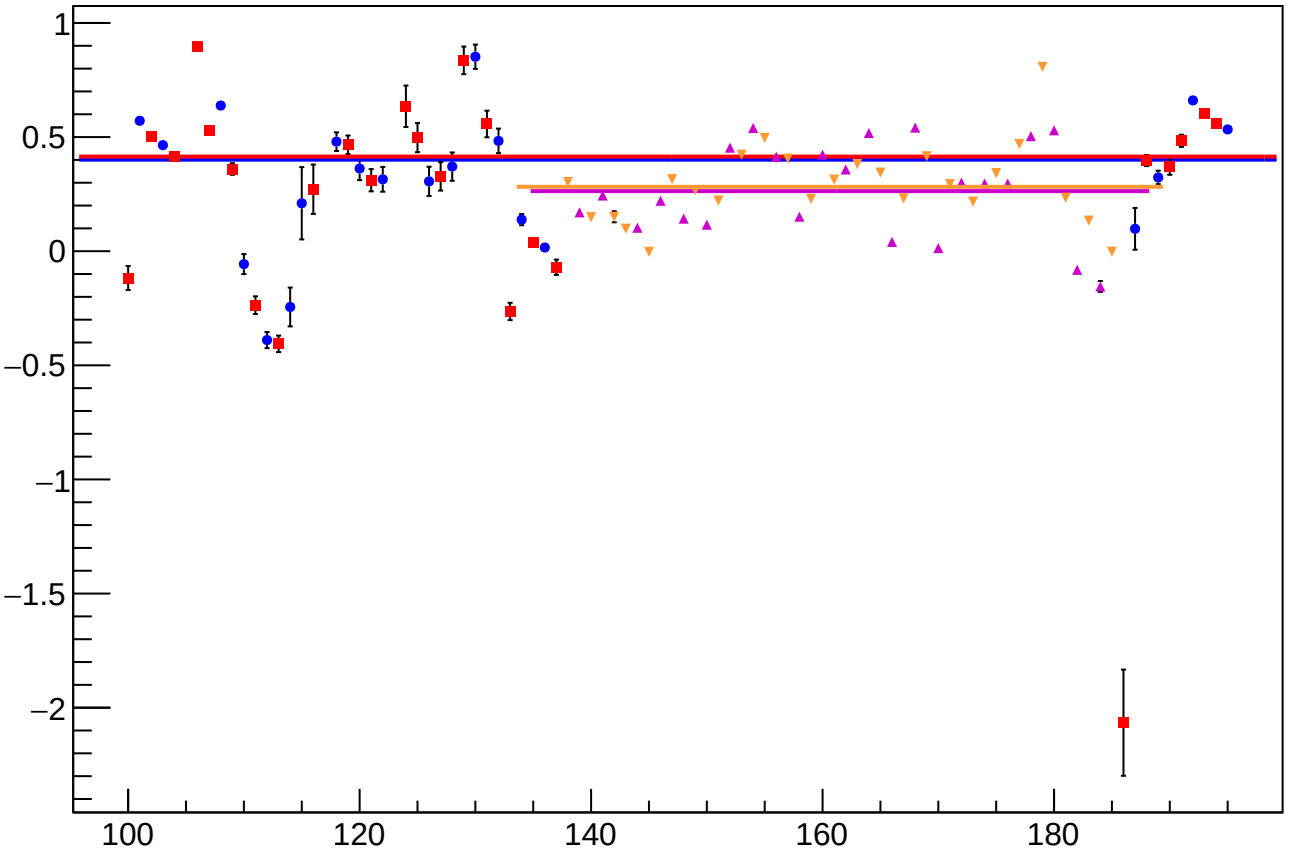
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -47.976+/-0.088 χ^2/NDF: 75793.5/44

In: -53.798+/-0.061 χ^2/NDF:45106.9/42

Out: -53.810+/-0.058 χ^2/NDF:50417.4/49

All: -53.804+/-0.042 χ^2/NDF: 95524.4/92



Right In: 0.401+/-0.006 χ^2/NDF: 2163.8/19

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.414+/-0.005 χ^2/NDF: 3114.6/24

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

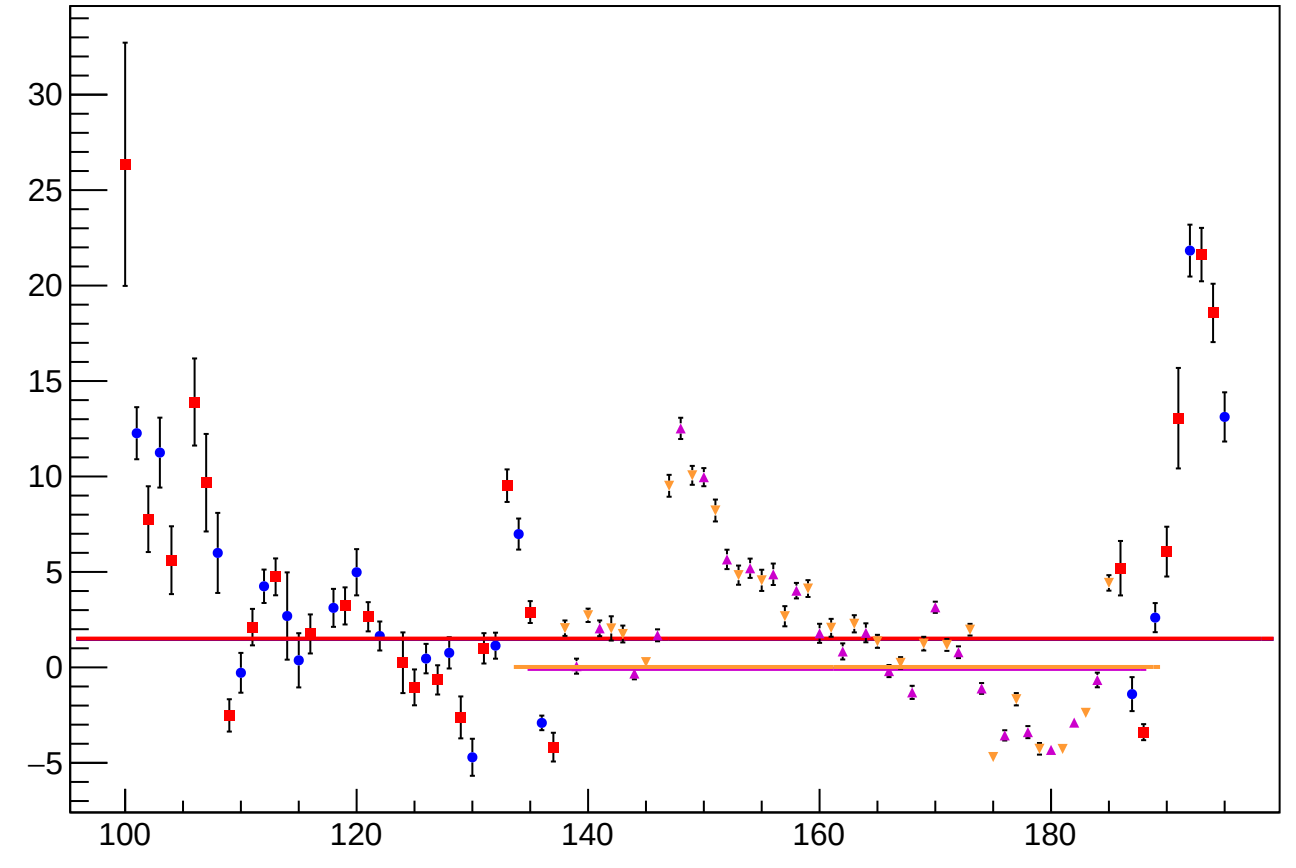
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.408+/-0.004 χ^2/NDF: 5281.4/44

In: 0.294+/-0.003 χ^2/NDF:6464.5/42

Out: 0.315+/-0.003 χ^2/NDF:6311.7/49

All: 0.305+/-0.002 χ^2/NDF: 12806.3/92



Right In: 1.487+/-0.195 χ^2/NDF: 660.3/19

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.508+/-0.189 χ^2/NDF: 800.5/24

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

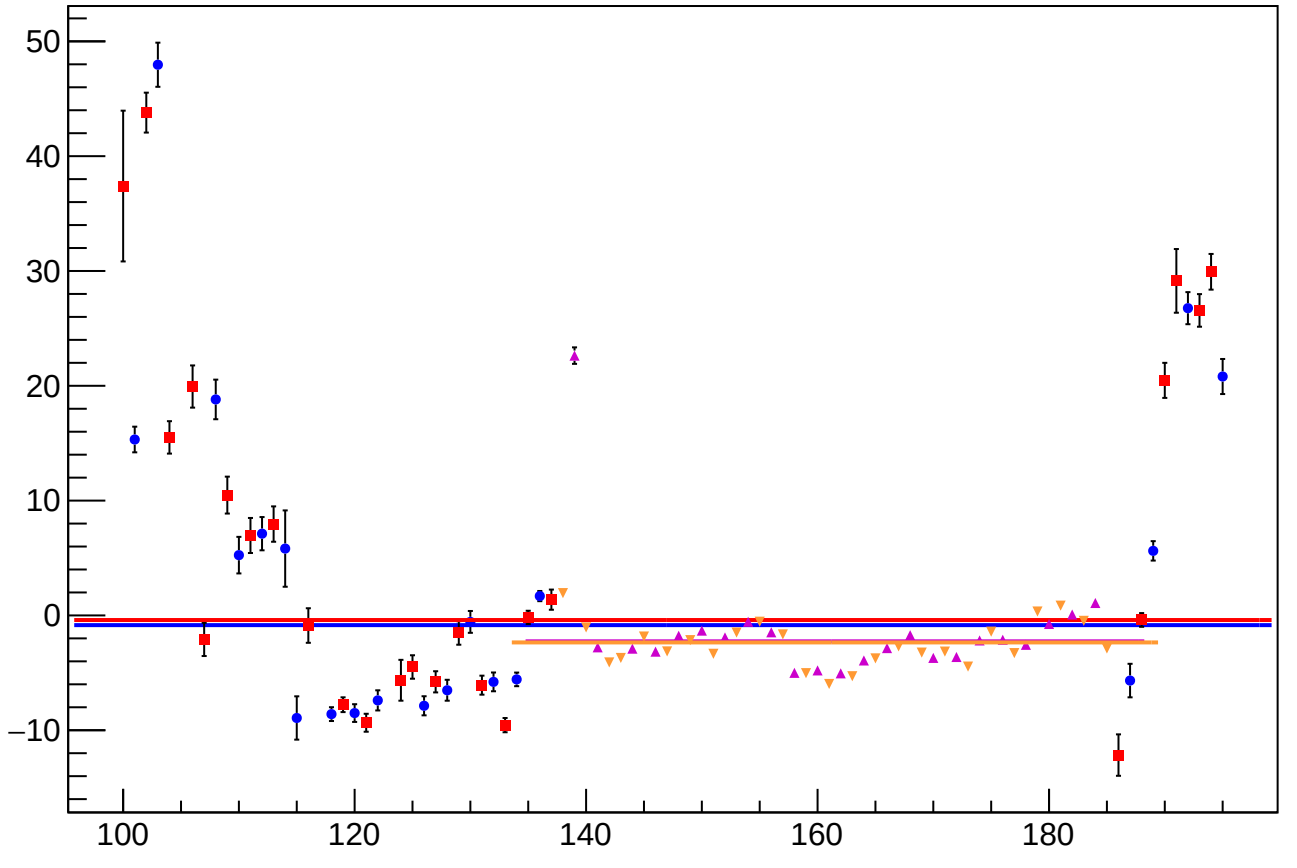
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 1.498+/-0.136 χ^2/NDF: 1460.8/44

In: 0.102+/-0.066 χ^2/NDF:3181.9/42

Out: 0.194+/-0.064 χ^2/NDF:3614.4/49

All: 0.150+/-0.046 χ^2/NDF: 6797.3/92



Right In: -0.846+/-0.203 χ^2/NDF: 2275.5/19

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -0.401+/-0.206 χ^2/NDF: 2704.3/24

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

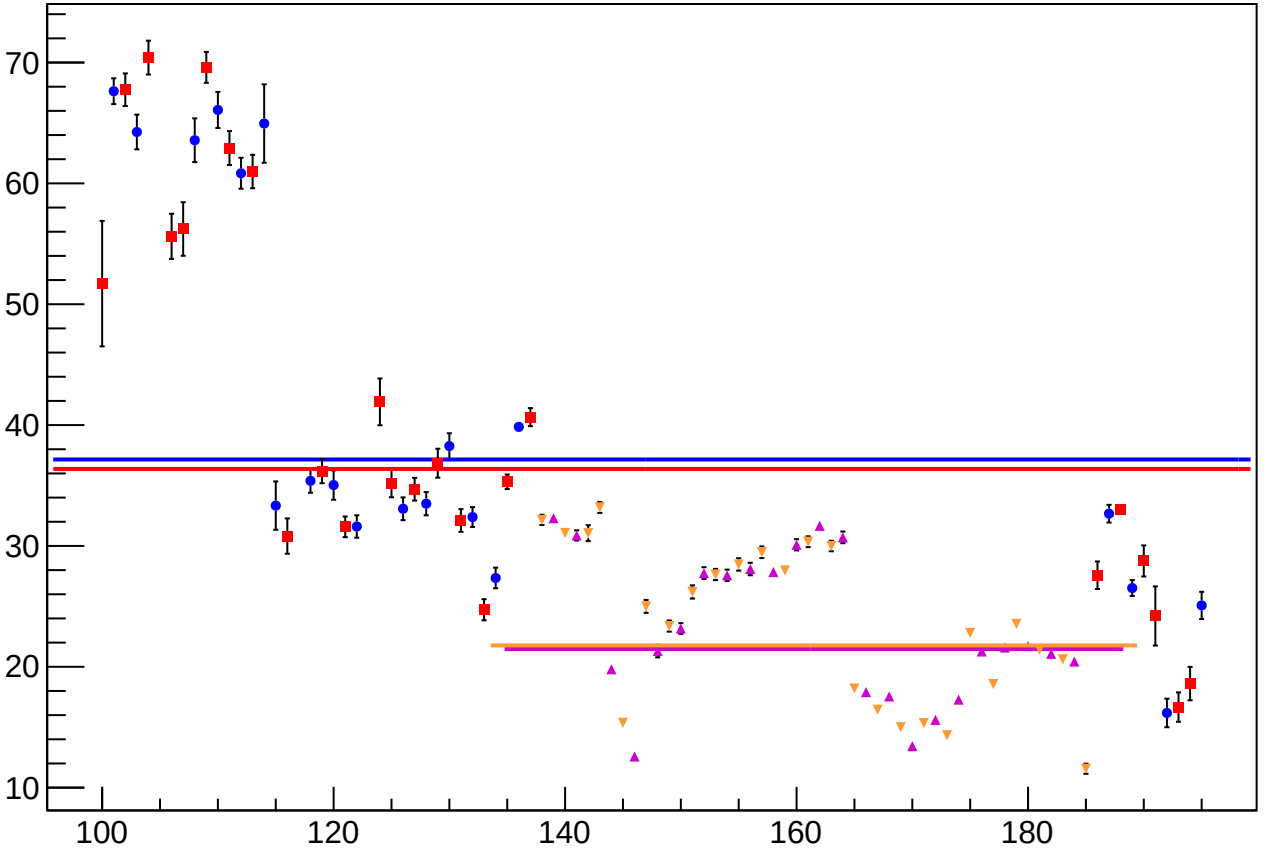
Right: -0.627+/-0.144 χ^2/NDF: 4982.2/44

In: -2.155+/-0.054 χ^2/NDF:4197.8/42

Out: -2.221+/-0.053 χ^2/NDF:3914.1/49

All: -2.189+/-0.038 χ^2/NDF: 8112.6/92

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.153+/-0.203 χ^2/NDF: 3197.1/19

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 36.370+/-0.191 χ^2/NDF: 3616.6/24

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

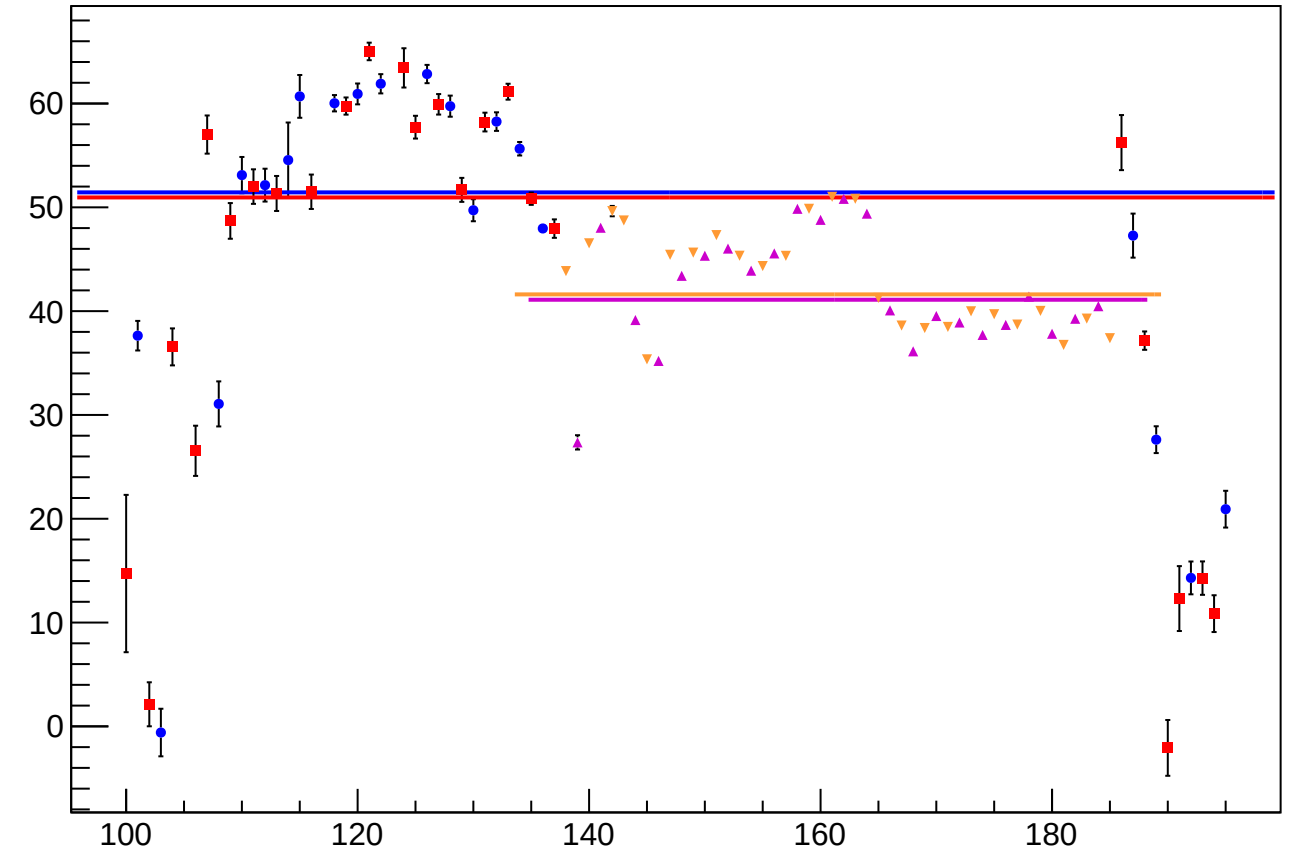
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 36.738+/-0.139 χ^2/NDF: 6821.6/44

In: 23.170+/-0.067 χ^2/NDF:14324.1/42

Out: 23.448+/-0.065 χ^2/NDF:15604.0/49

All: 23.313+/-0.046 χ^2/NDF: 29937.1/92



Right In: 51.441+/-0.229 χ^2/NDF: 2646.6/19

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 50.953+/-0.238 χ^2/NDF: 3361.0/24

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

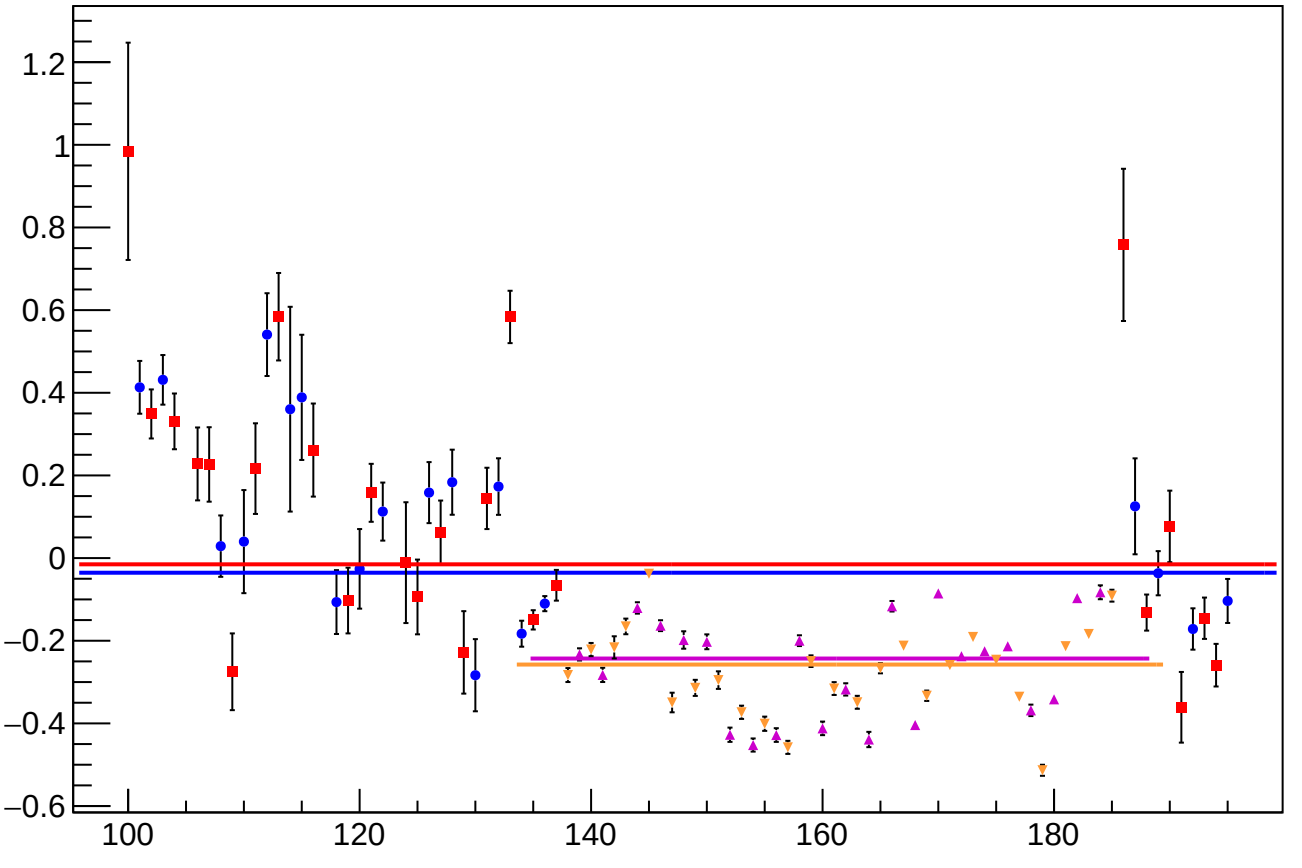
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 51.206+/-0.165 χ^2/NDF: 6009.7/44

In: 41.817+/-0.060 χ^2/NDF:10020.4/42

Out: 42.192+/-0.059 χ^2/NDF:10577.6/49

All: 42.008+/-0.042 χ^2/NDF: 20617.5/92



Right In: -0.035+/-0.012 χ^2/NDF: 241.4/19

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.015+/-0.012 χ^2/NDF: 357.5/24

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

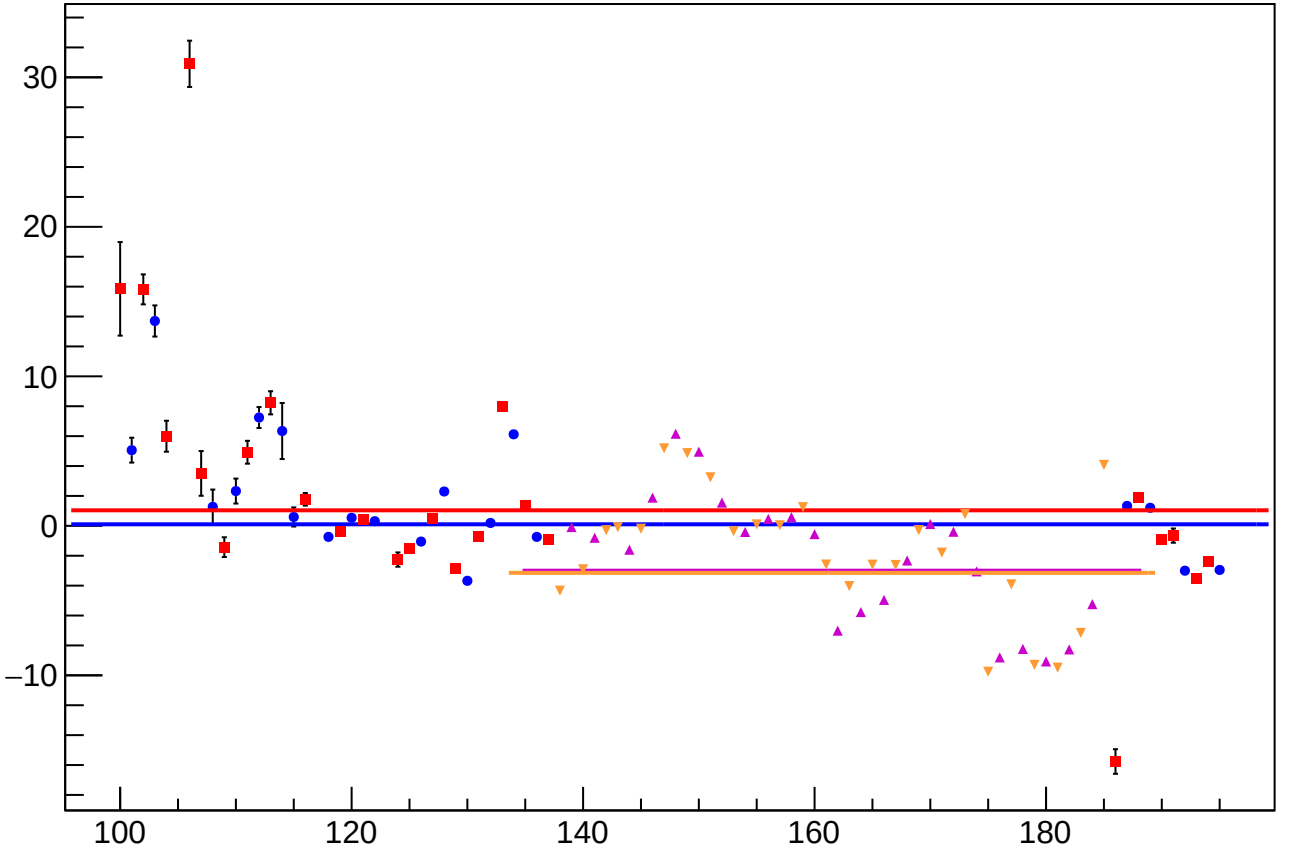
Right: -0.026+/-0.009 χ^2/NDF: 600.3/44

In: -0.232+/-0.003 χ^2/NDF:2350.3/42

Out: -0.246+/-0.003 χ^2/NDF:2238.8/49

All: -0.239+/-0.002 χ^2/NDF: 4603.6/92

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.102+/-0.067 χ^2/NDF: 1398.1/19

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 1.038+/-0.061 χ^2/NDF: 3327.0/24

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

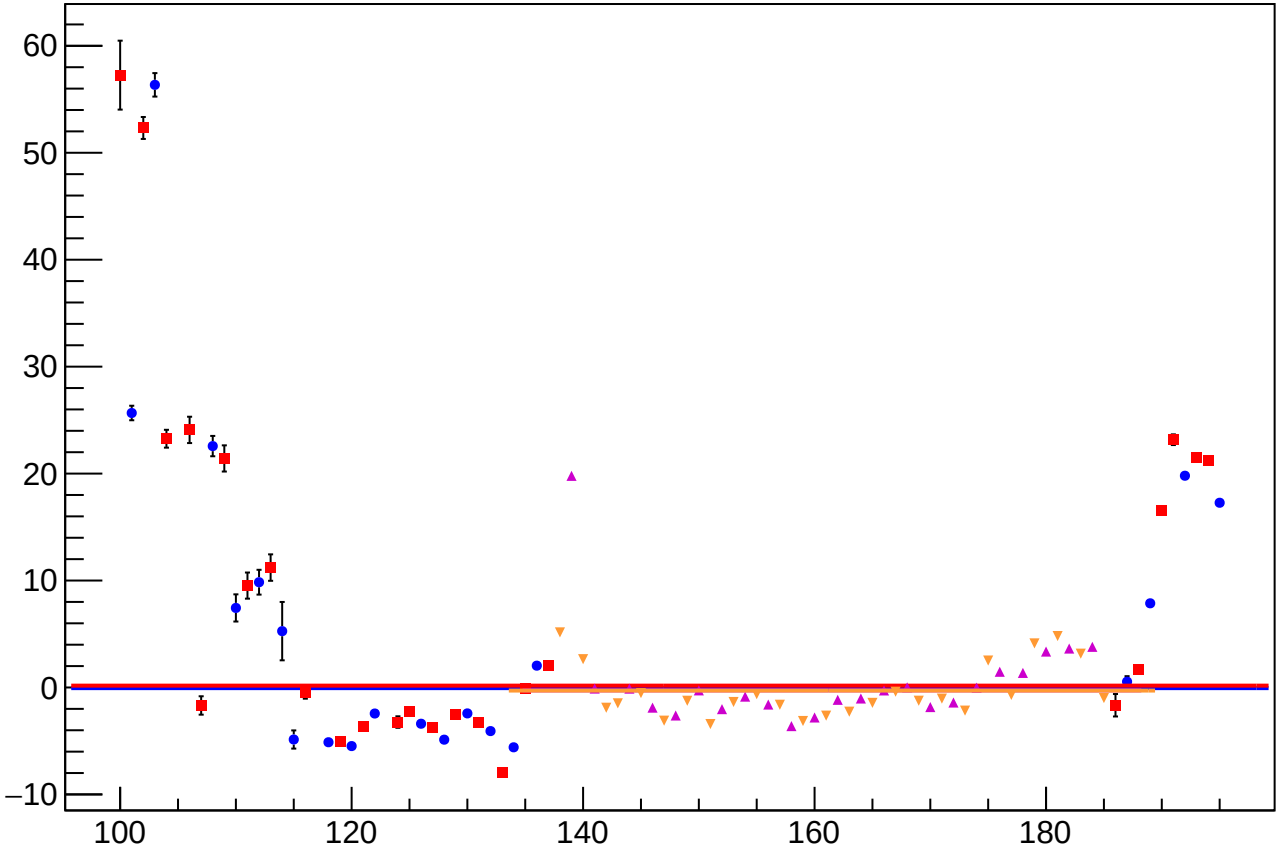
Right: 0.616+/-0.045 χ^2/NDF: 4831.8/44

In: -2.527+/-0.026 χ^2/NDF:25632.6/42

Out: -2.423+/-0.025 χ^2/NDF:32607.0/49

All: -2.473+/-0.018 χ^2/NDF: 58247.7/92

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.061+/-0.065 χ^2/NDF: 17167.1/19

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 0.172+/-0.061 χ^2/NDF: 23931.0/24

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

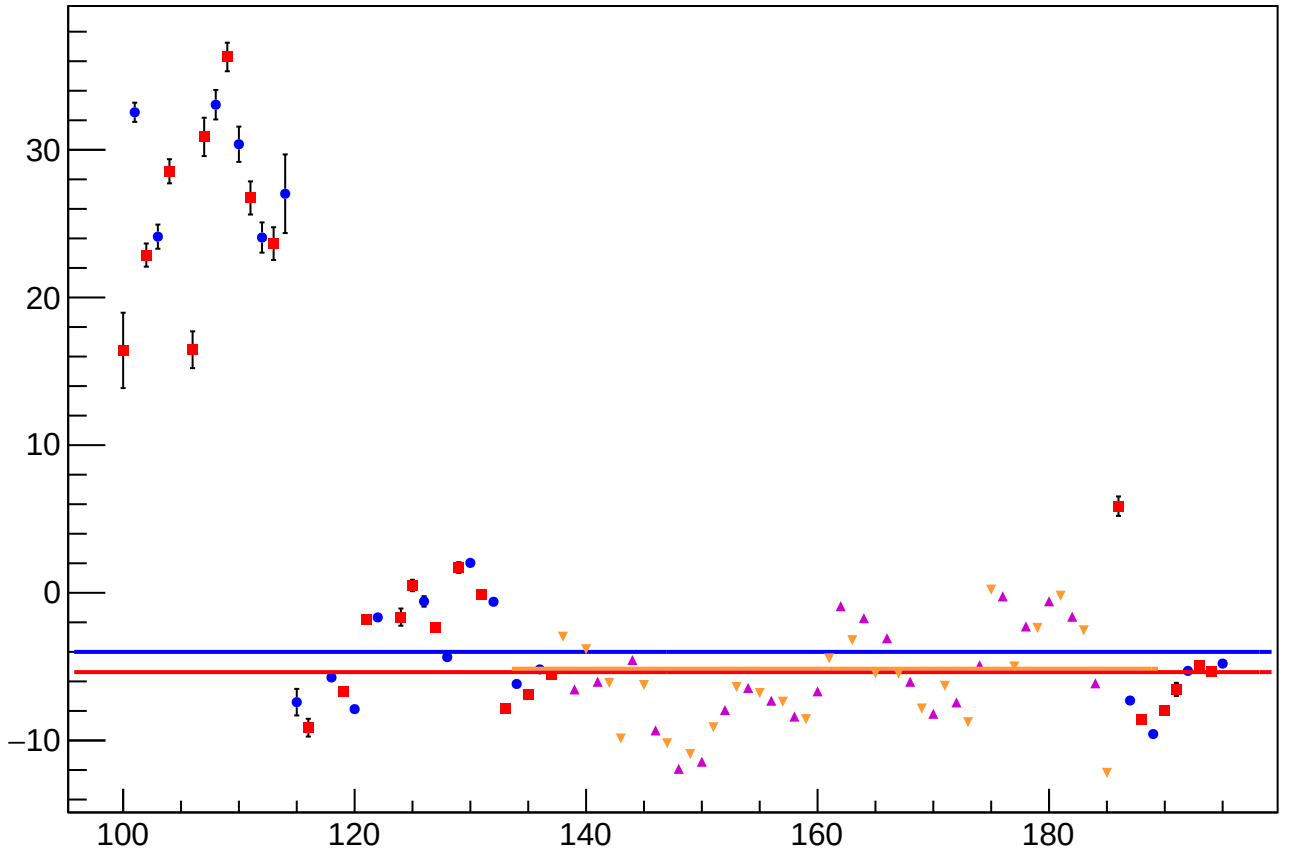
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 0.062+/-0.044 χ^2/NDF: 41105.0/44

In: -0.249+/-0.021 χ^2/NDF:30397.4/42

Out: -0.236+/-0.021 χ^2/NDF:36179.3/49

All: -0.242+/-0.015 χ^2/NDF: 66576.8/92



Right In: -4.001+/-0.068 χ^2/NDF: 9322.3/19

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.370+/-0.059 χ^2/NDF: 10460.3/24

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

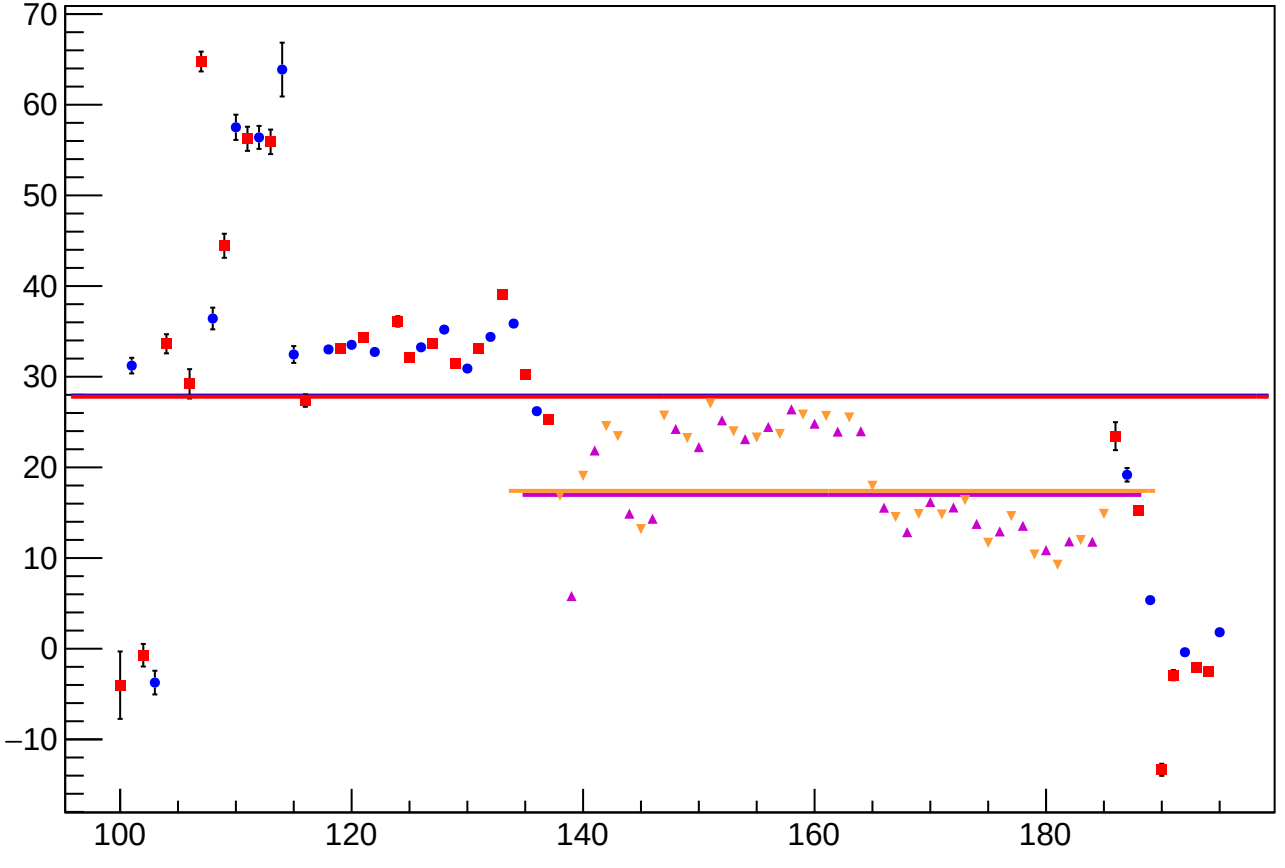
Right: -4.786+/-0.044 χ^2/NDF: 20014.5/44

In: -5.003+/-0.026 χ^2/NDF:23540.4/42

Out: -5.180+/-0.025 χ^2/NDF:25099.1/49

All: -5.095+/-0.018 χ^2/NDF: 48663.4/92

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.919+/-0.075 χ^2/NDF: 21914.6/19

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 27.794+/-0.073 χ^2/NDF: 34649.7/24

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

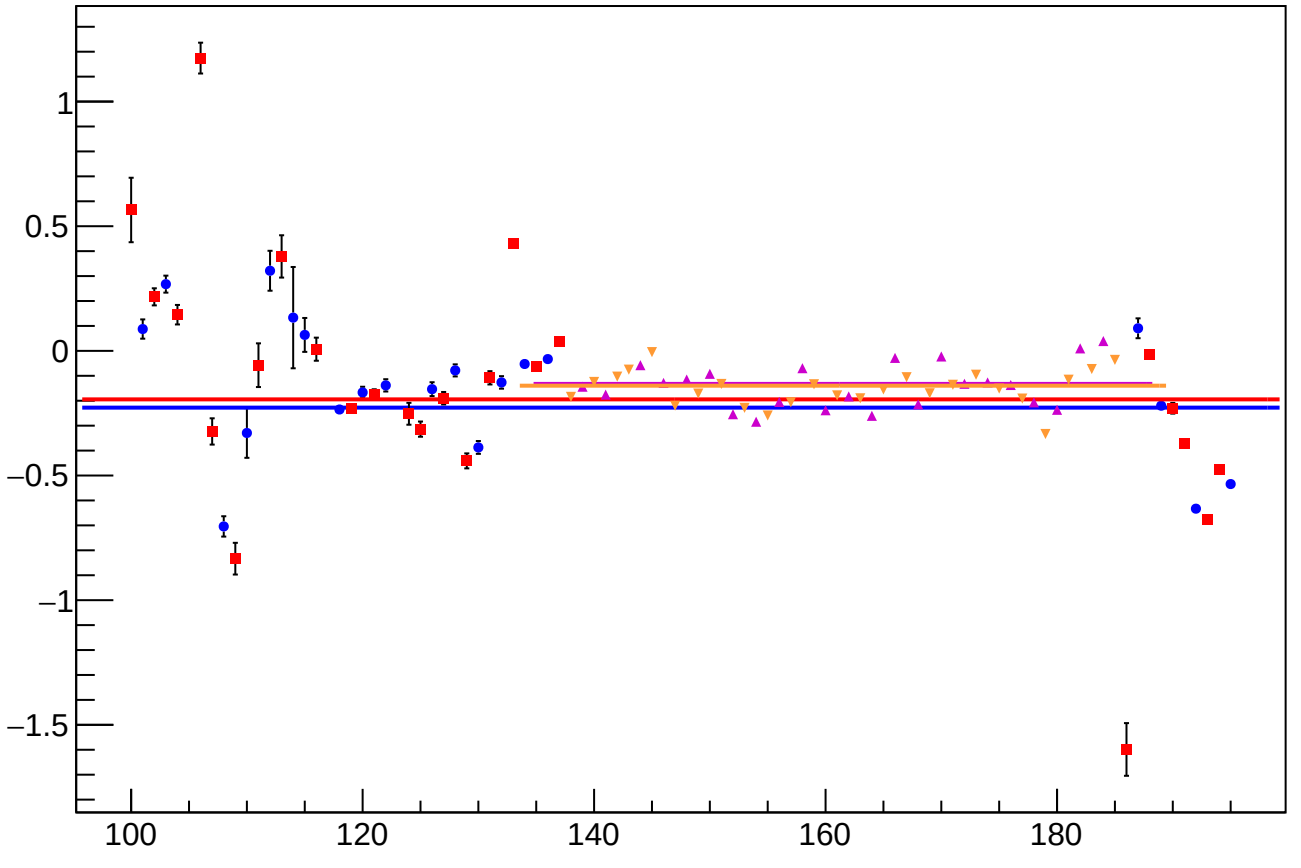
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 27.855+/-0.052 χ^2/NDF: 56565.7/44

In: 18.056+/-0.024 χ^2/NDF:80915.7/42

Out: 18.462+/-0.023 χ^2/NDF:103576.3/49

All: 18.264+/-0.017 χ^2/NDF: 184641.9/92



Right In: -0.228+/-0.004 χ^2/NDF: 4037.1/19

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.195+/-0.004 χ^2/NDF: 6635.3/24

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

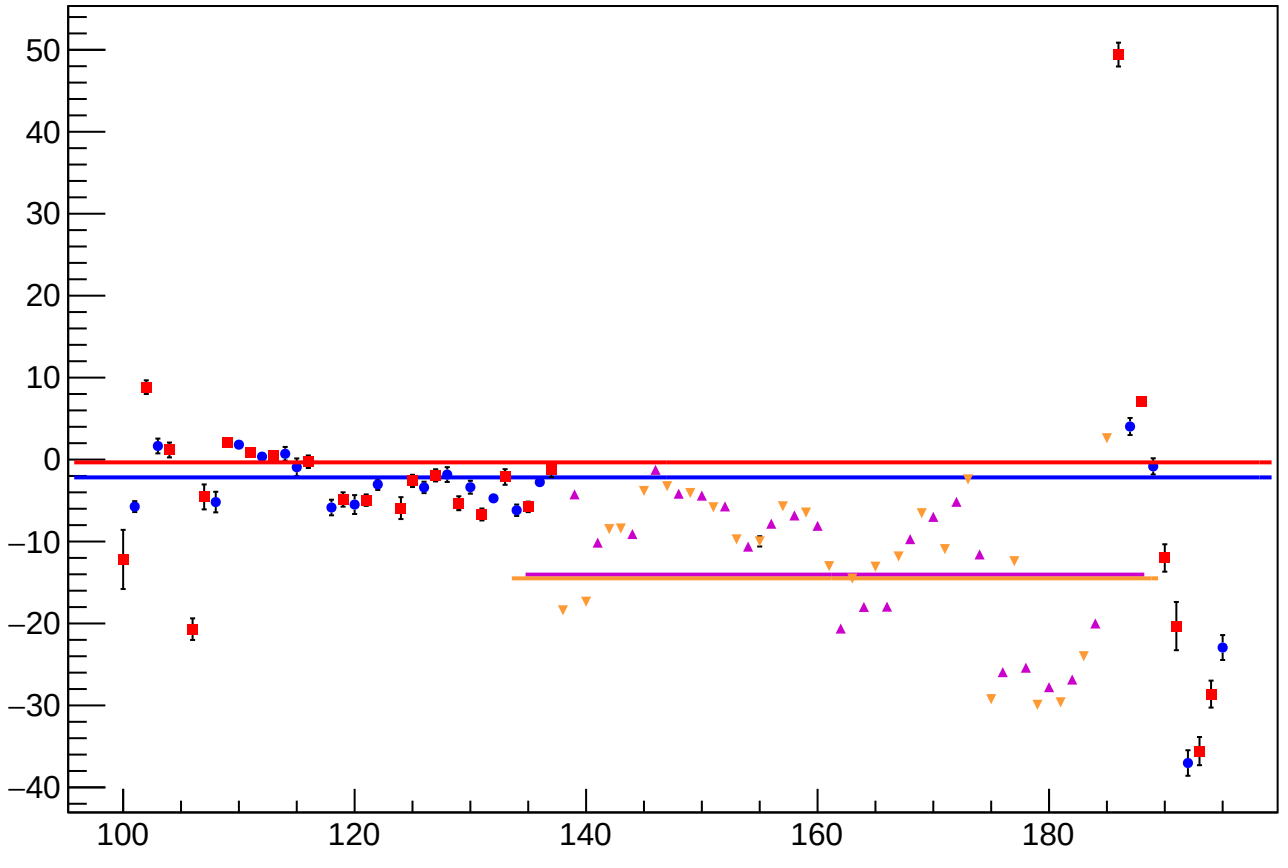
Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

Right: -0.211+/-0.003 χ^2/NDF: 10709.9/44

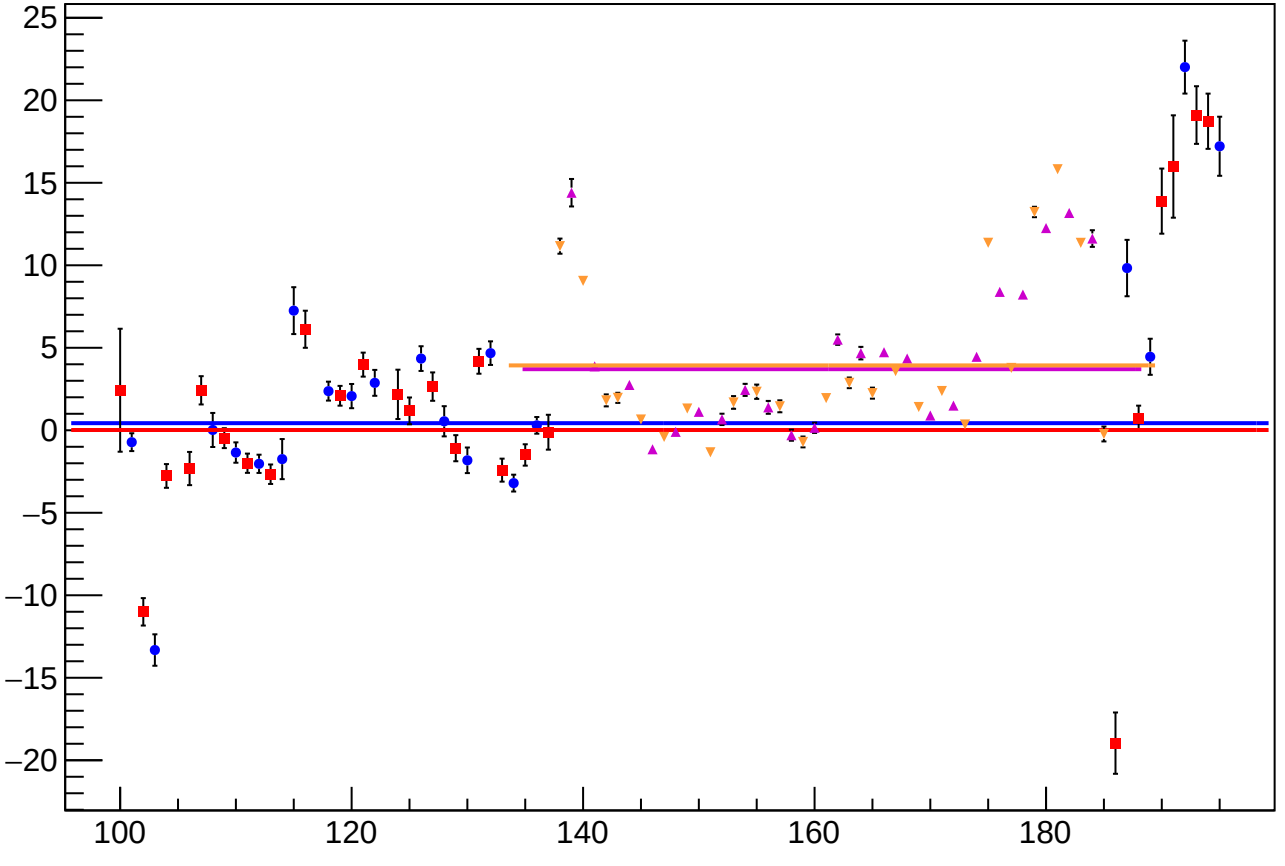
In: -0.140+/-0.001 χ^2/NDF:10120.3/42

Out: -0.144+/-0.001 χ^2/NDF:10939.2/49

All: -0.142+/-0.001 χ^2/NDF: 21067.6/92


reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
−40
100
120
140
160
180
Right In: -2.176+/-0.152 χ²/NDF: 1028.0/19
Left Out: -14.494+/-0.075 χ²/NDF:17232.7/24
Right Out: -0.341+/-0.141 χ²/NDF: 2919.4/24
Left In: -14.038+/-0.077 χ²/NDF:13482.5/22
Left: -14.272+/-0.054 χ²/NDF: 30733.3/47
Right: -1.186+/-0.103 χ²/NDF: 4026.0/44
In: -11.624+/-0.069 χ²/NDF:19362.7/42
Out: -11.371+/-0.066 χ²/NDF:28059.9/49
All: -11.493+/-0.048 χ²/NDF: 47429.6/92

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.431+/-0.168 χ^2/NDF: 728.2/19

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.017+/-0.169 χ^2/NDF: 798.0/24

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

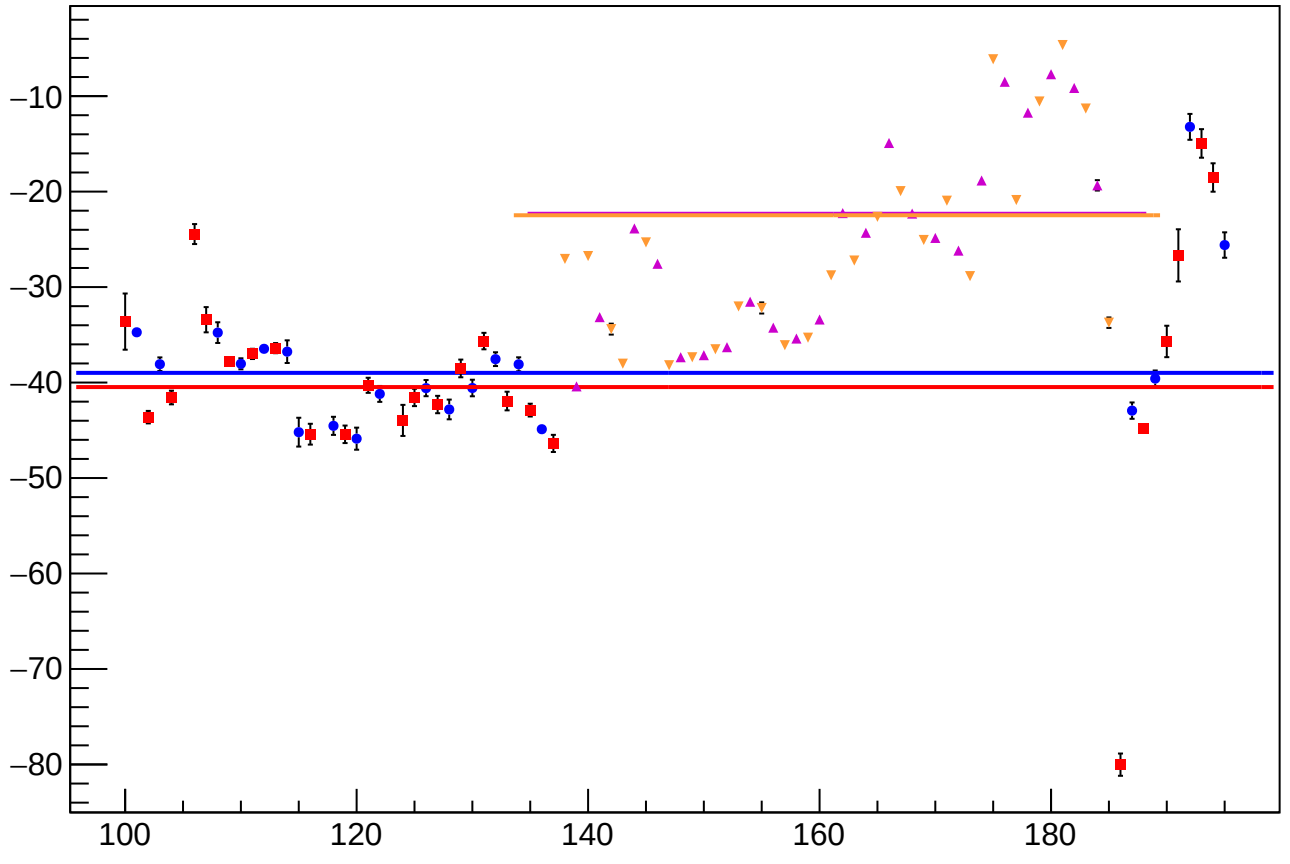
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: 0.225+/-0.119 χ^2/NDF: 1529.2/44

In: 3.342+/-0.056 χ^2/NDF:5852.8/42

Out: 3.521+/-0.055 χ^2/NDF:8256.7/49

All: 3.433+/-0.039 χ^2/NDF: 14114.8/92



Right In: -38.985+/-0.170 χ^2/NDF: 901.1/19

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -40.473+/-0.162 χ^2/NDF: 2371.9/24

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

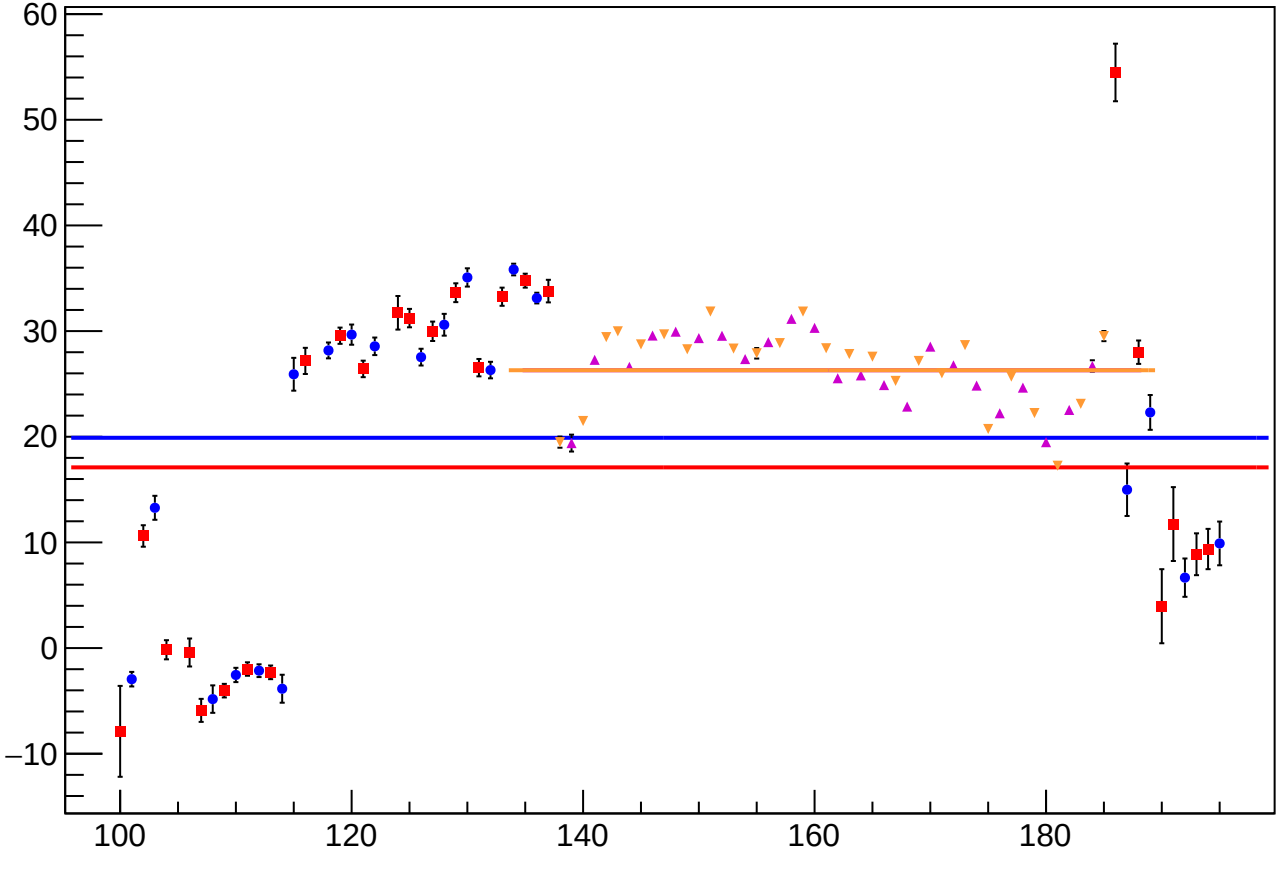
Right: -39.765+/-0.117 χ^2/NDF: 3313.2/44

In: -25.135+/-0.070 χ^2/NDF:26029.6/42

Out: -25.639+/-0.068 χ^2/NDF:32961.9/49

All: -25.394+/-0.049 χ^2/NDF: 59018.2/92

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.902+/-0.191 χ^2/NDF: 6768.7/19

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 17.102+/-0.193 χ^2/NDF: 7076.9/24

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

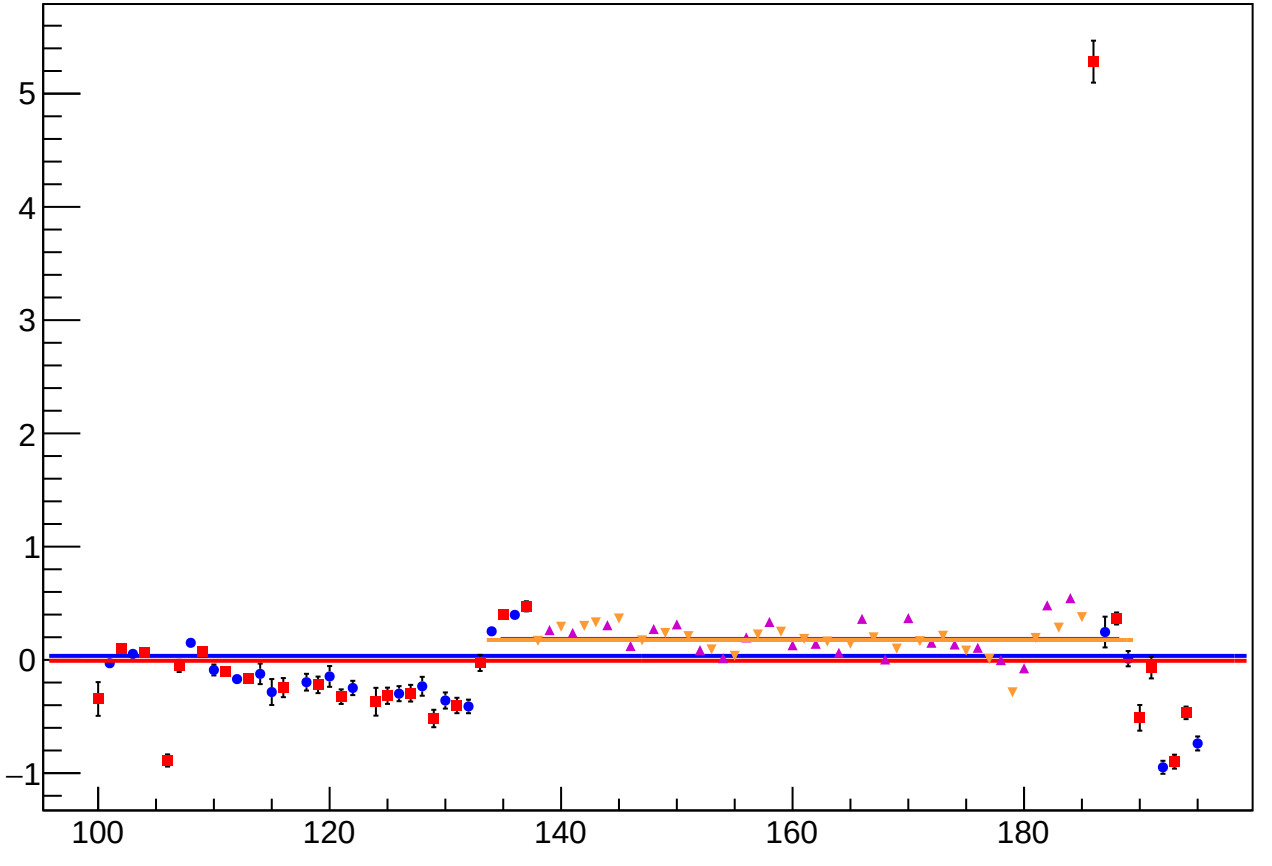
Right: 18.521+/-0.136 χ^2/NDF: 13951.8/44

In: 25.598+/-0.063 χ^2/NDF:9953.4/42

Out: 25.361+/-0.062 χ^2/NDF:12413.4/49

All: 25.477+/-0.044 χ^2/NDF: 22374.0/92

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.035+/-0.010 χ^2/NDF: 1042.2/19

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.008+/-0.010 χ^2/NDF: 1999.9/24

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

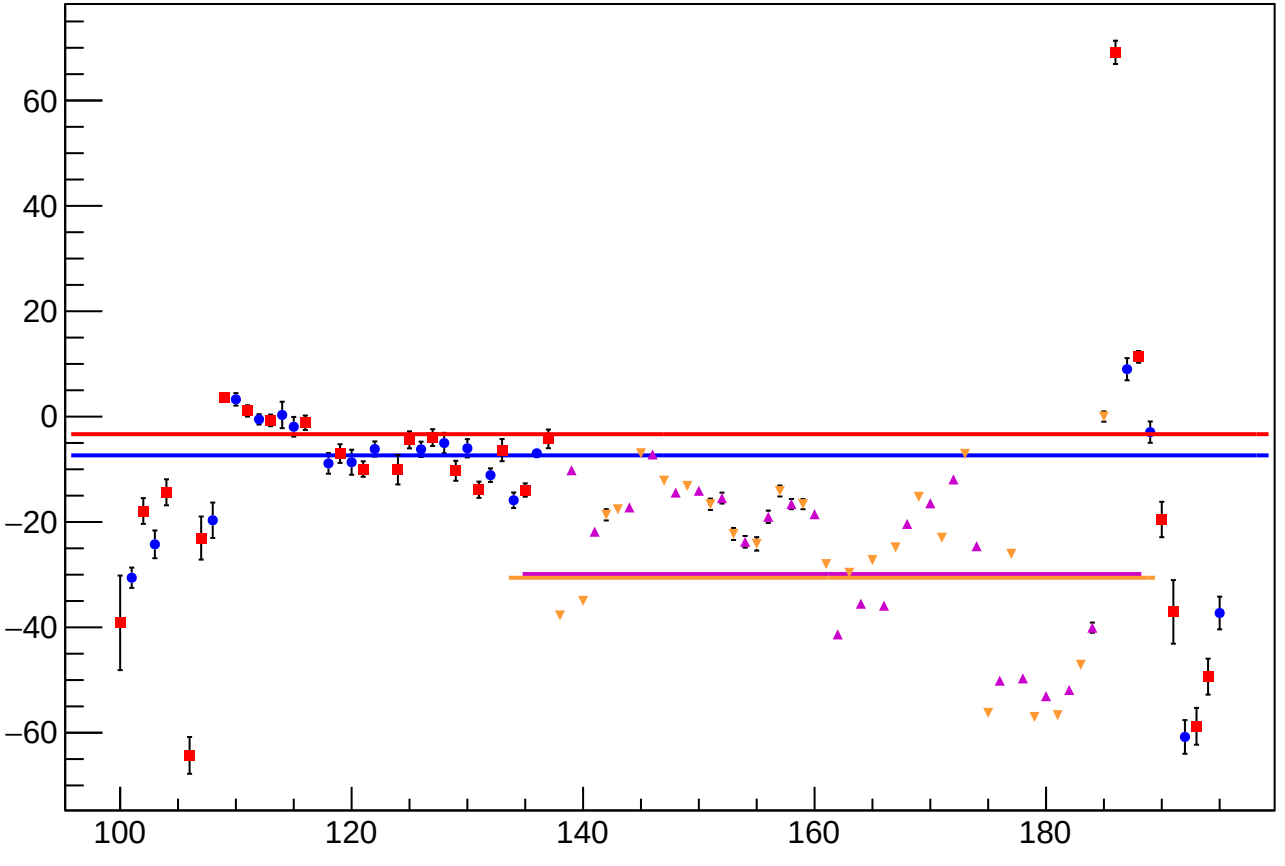
Right: 0.015+/-0.007 χ^2/NDF: 3051.1/44

In: 0.173+/-0.003 χ^2/NDF:3787.4/42

Out: 0.162+/-0.003 χ^2/NDF:4228.4/49

All: 0.167+/-0.002 χ^2/NDF: 8023.1/92

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.354+/-0.359 χ^2/NDF: 829.1/19

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -3.334+/-0.340 χ^2/NDF: 2373.6/24

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

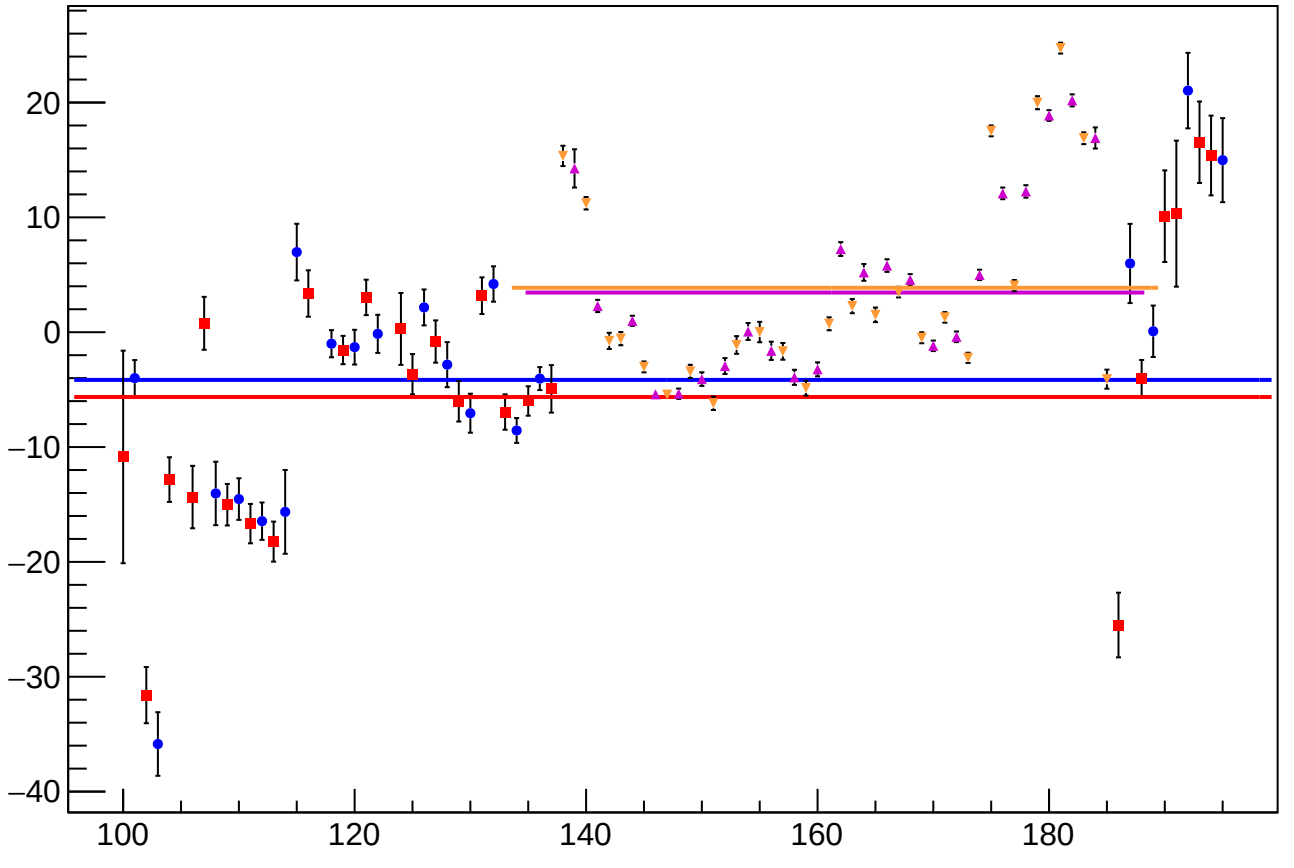
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -5.236+/-0.247 χ^2/NDF: 3268.7/44

In: -26.673+/-0.135 χ^2/NDF:16240.0/42

Out: -26.537+/-0.131 χ^2/NDF:23883.0/49

All: -26.603+/-0.094 χ^2/NDF: 40123.5/92



Right In: -4.152+/-0.382 χ^2/NDF: 444.6/19

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -5.643+/-0.391 χ^2/NDF: 519.2/24

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

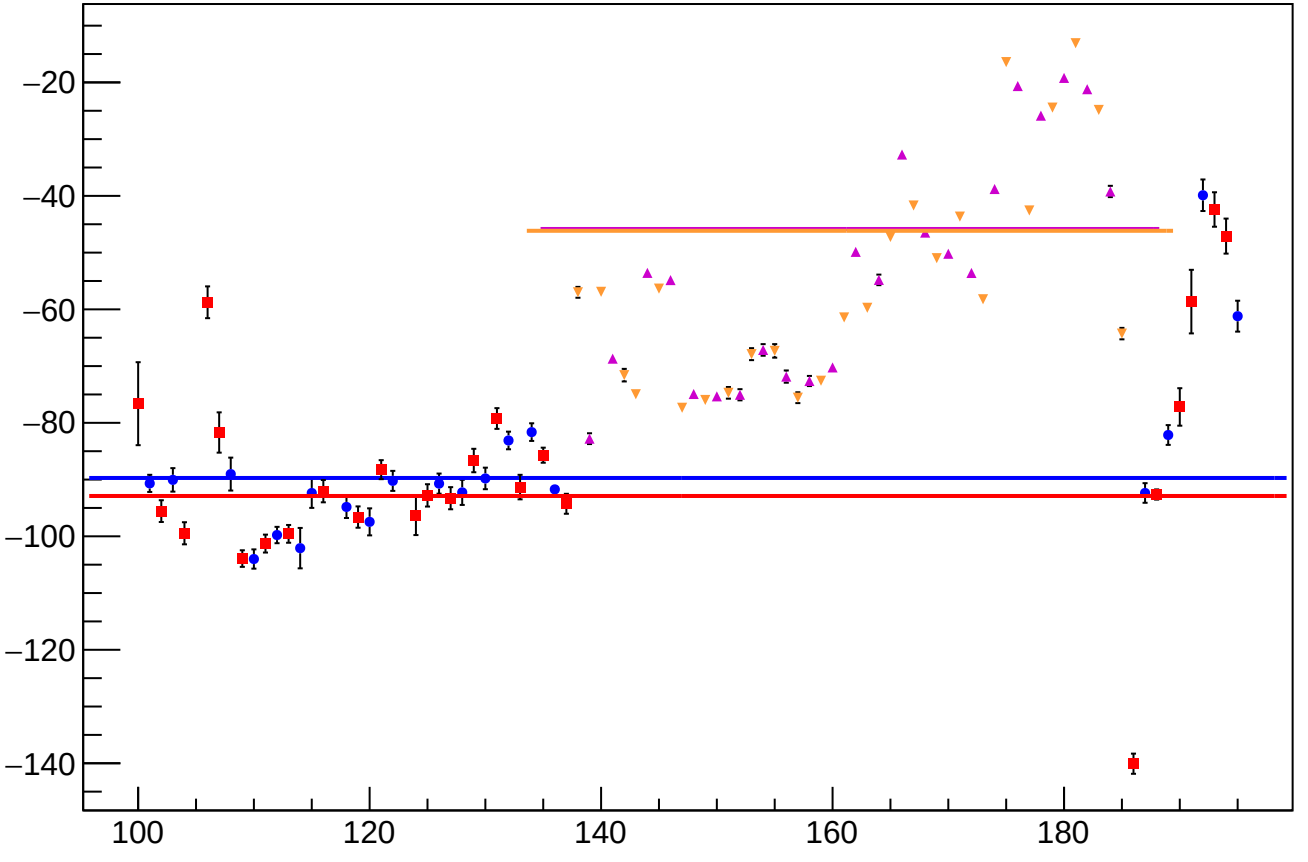
Right: -4.880+/-0.273 χ^2/NDF: 971.3/44

In: 2.835+/-0.109 χ^2/NDF:5502.3/42

Out: 3.161+/-0.107 χ^2/NDF:7609.4/49

All: 3.001+/-0.076 χ^2/NDF: 13116.3/92

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -89.717+/-0.393 χ^2/NDF: 654.8/19

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -92.892+/-0.376 χ^2/NDF: 1650.0/24

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

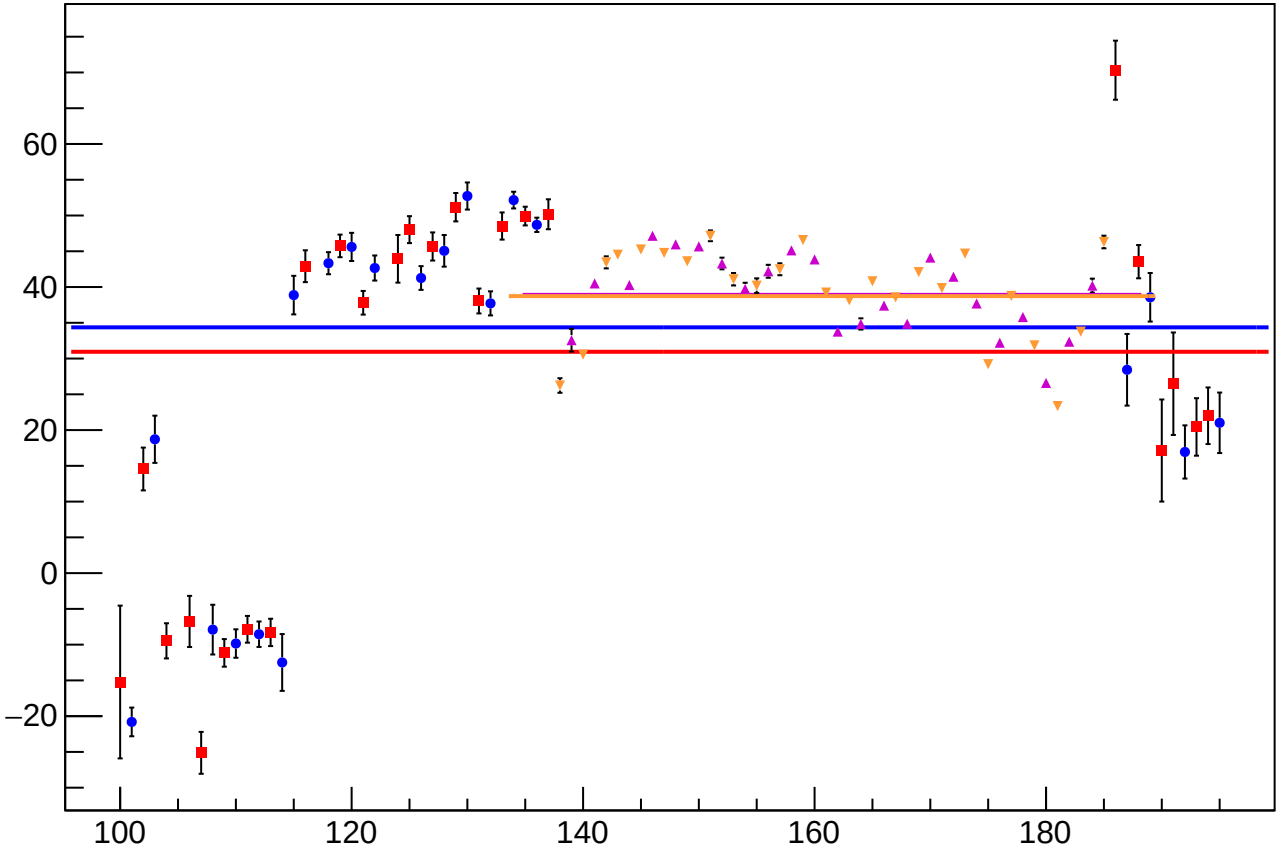
Right: -91.373+/-0.272 χ^2/NDF: 2338.9/44

In: -51.167+/-0.137 χ^2/NDF:29557.1/42

Out: -52.019+/-0.133 χ^2/NDF:36624.9/49

All: -51.604+/-0.095 χ^2/NDF: 66202.0/92

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.363+/-0.431 χ^2/NDF: 2844.6/19

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.947+/-0.448 χ^2/NDF: 3049.6/24

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

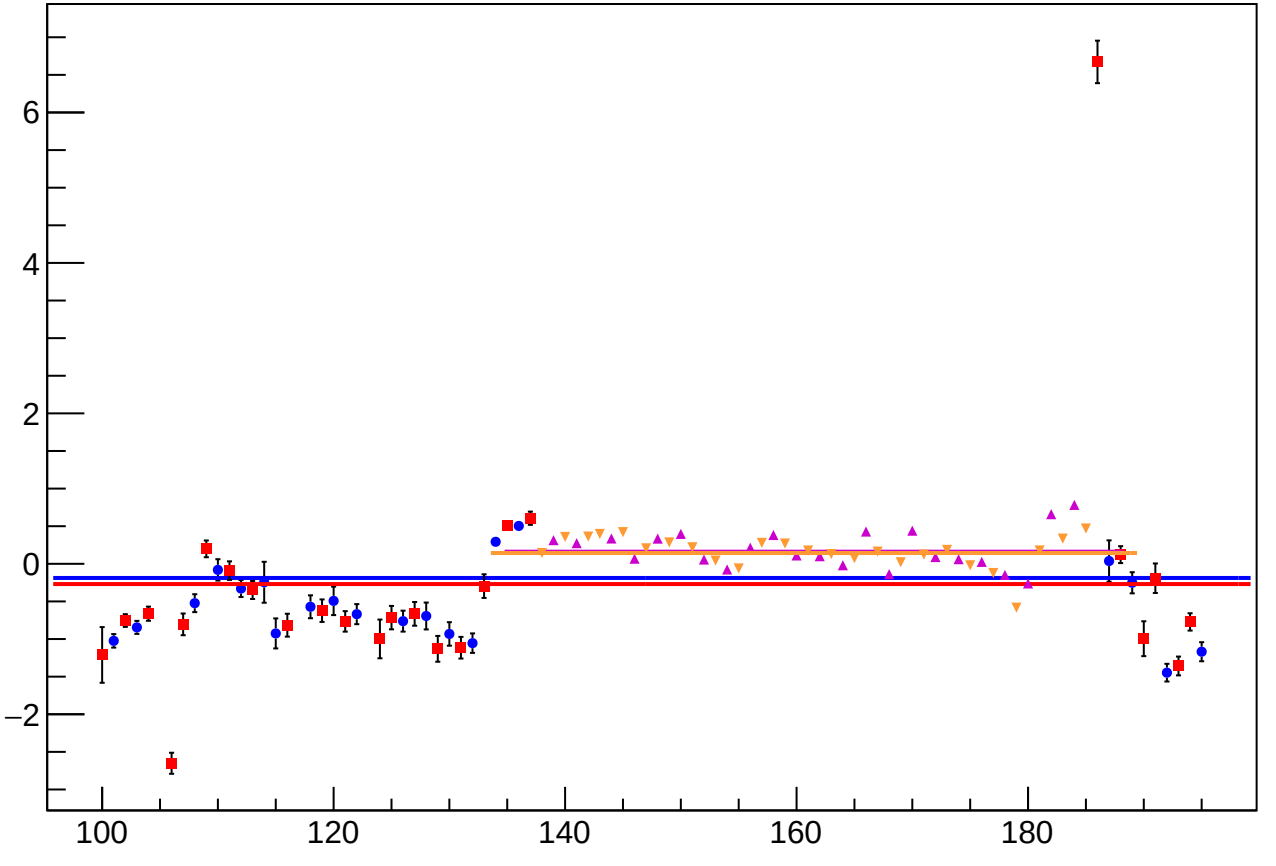
Right: 32.718+/-0.311 χ^2/NDF: 5924.4/44

In: 38.540+/-0.122 χ^2/NDF:4918.3/42

Out: 38.171+/-0.120 χ^2/NDF:6112.0/49

All: 38.352+/-0.086 χ^2/NDF: 11034.9/92

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.188+/-0.023 χ^2/NDF: 820.0/19

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.269+/-0.024 χ^2/NDF: 1543.3/24

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

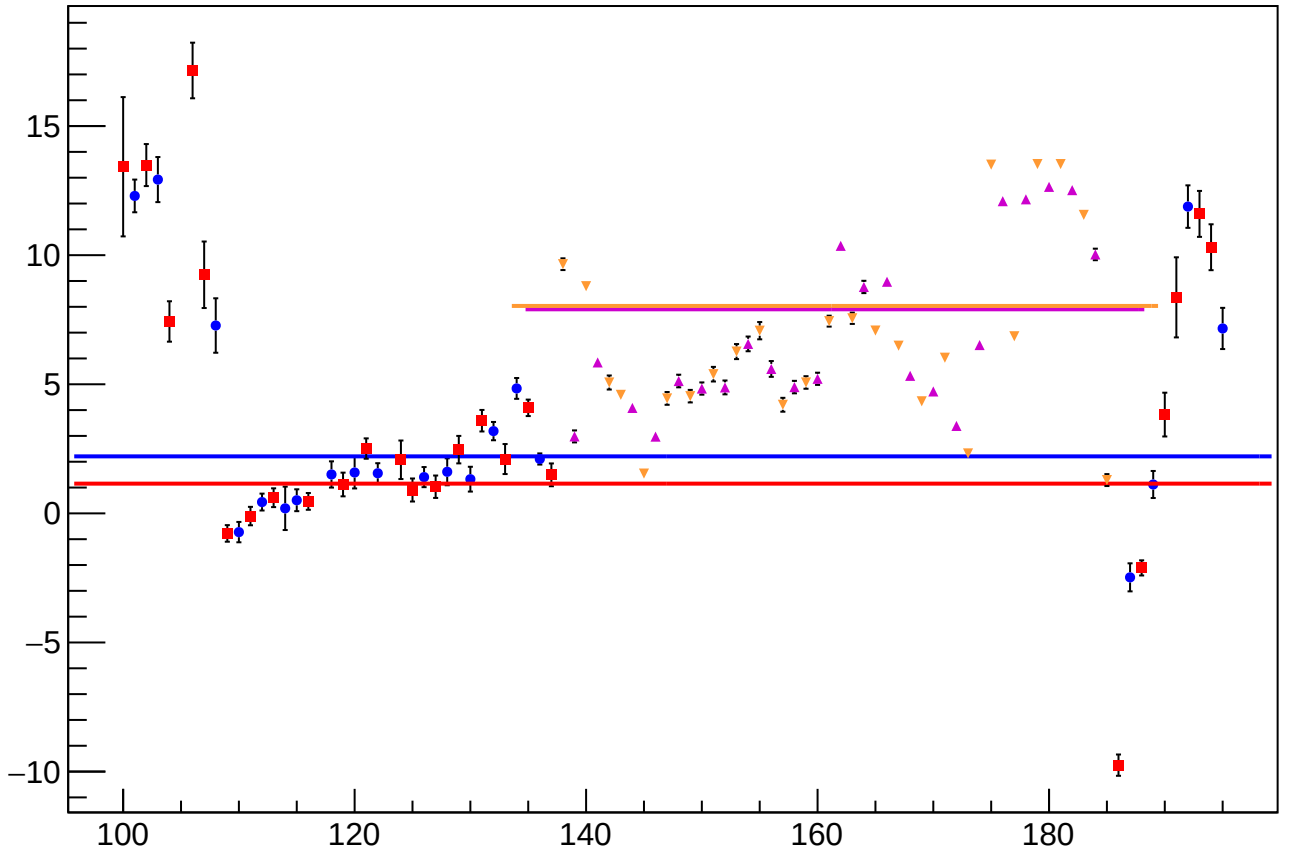
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.226+/-0.017 χ^2/NDF: 2369.3/44

In: 0.141+/-0.006 χ^2/NDF:2960.6/42

Out: 0.123+/-0.005 χ^2/NDF:3263.9/49

All: 0.132+/-0.004 χ^2/NDF: 6229.8/92



Right In: 2.208+/-0.100 χ^2/NDF: 854.9/19

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.152+/-0.095 χ^2/NDF: 1870.2/24

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

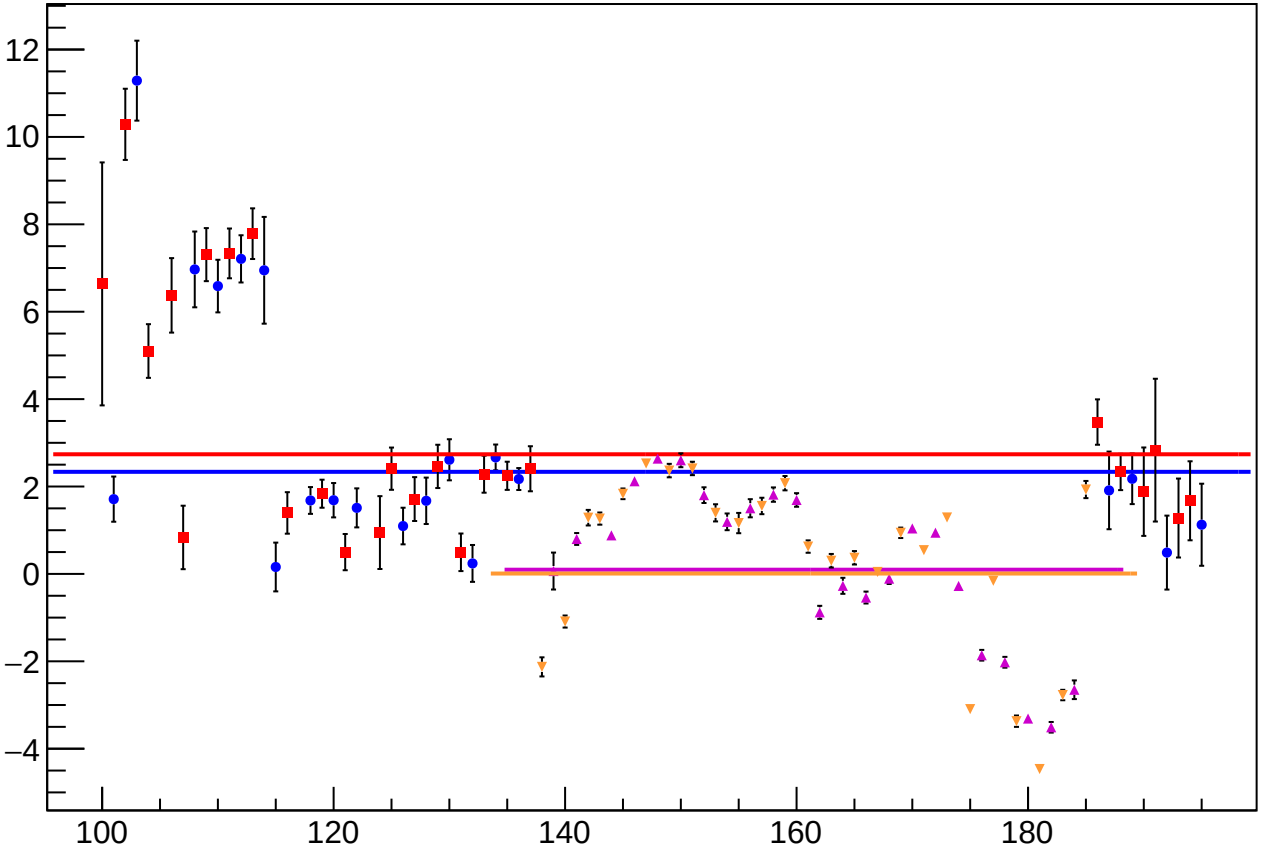
Right: 1.653+/-0.069 χ^2/NDF: 2784.2/44

In: 7.251+/-0.034 χ^2/NDF:13768.3/42

Out: 7.217+/-0.033 χ^2/NDF:20457.8/49

All: 7.233+/-0.023 χ^2/NDF: 34226.7/92

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.336+/-0.104 χ^2/NDF: 340.9/19

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.738+/-0.107 χ^2/NDF: 418.8/24

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

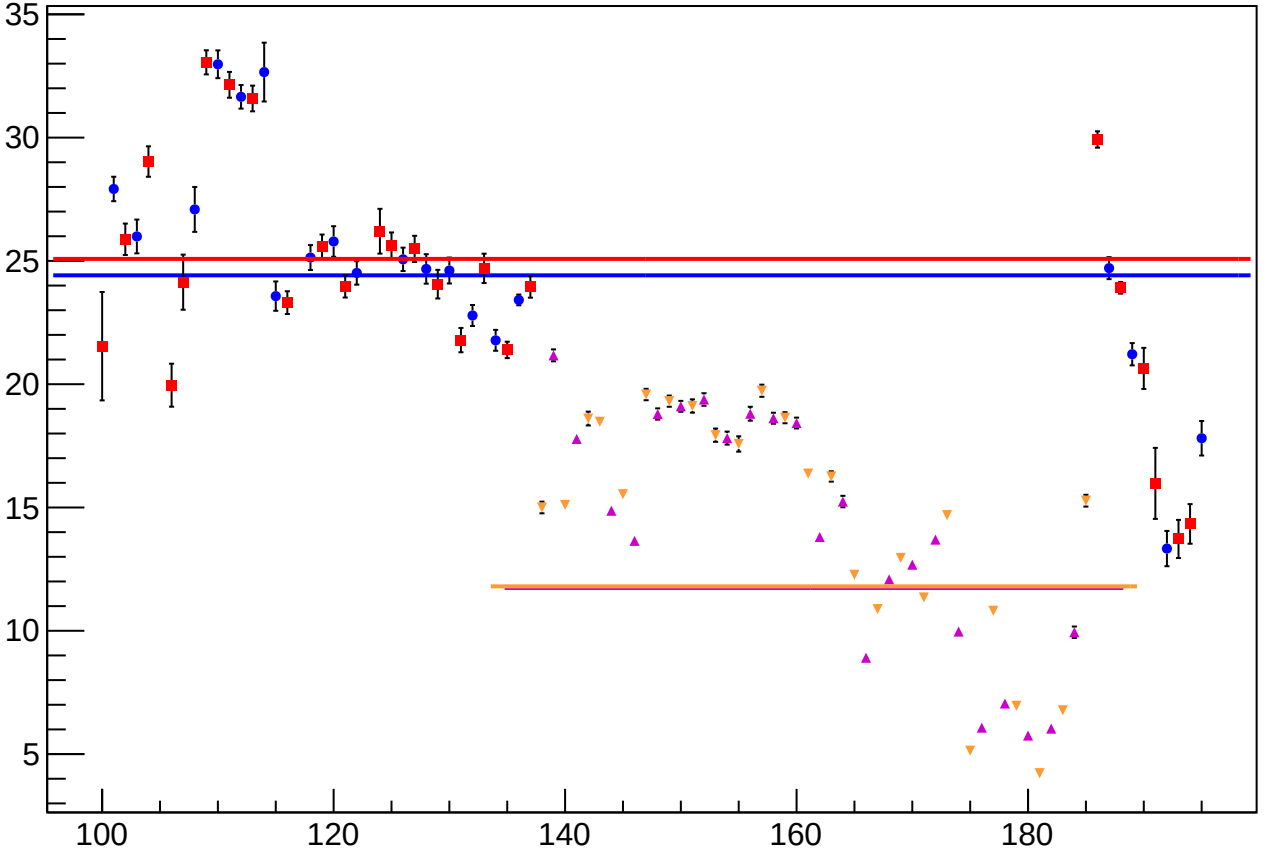
Right: 2.532+/-0.075 χ^2/NDF: 767.0/44

In: 0.248+/-0.027 χ^2/NDF:5204.4/42

Out: 0.178+/-0.027 χ^2/NDF:6793.1/49

All: 0.213+/-0.019 χ^2/NDF: 12000.8/92

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 24.414+/-0.108 χ^2/NDF: 1036.2/19

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 25.081+/-0.101 χ^2/NDF: 1587.2/24

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

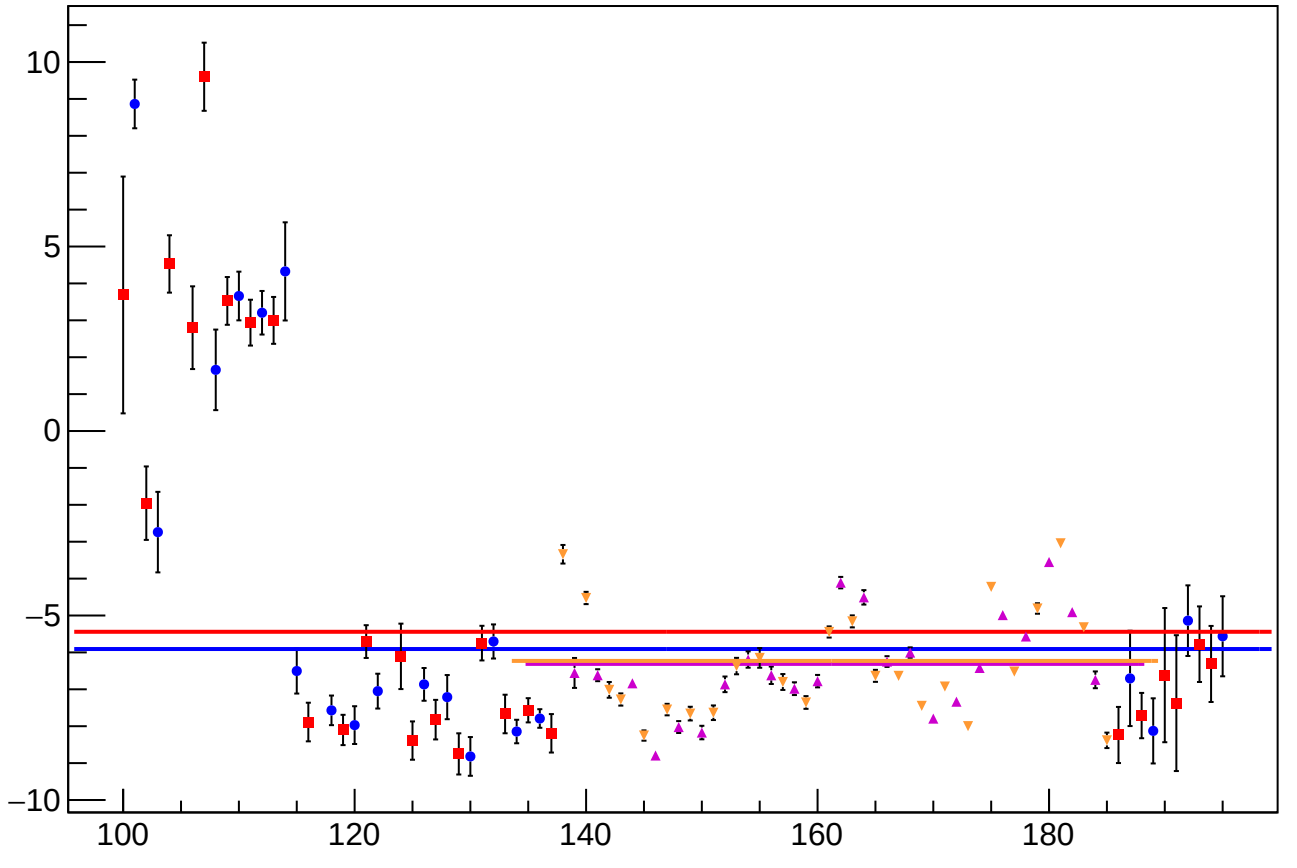
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 24.768+/-0.074 χ^2/NDF: 2643.7/44

In: 12.998+/-0.034 χ^2/NDF:31528.7/42

Out: 13.203+/-0.033 χ^2/NDF:38389.8/49

All: 13.104+/-0.024 χ^2/NDF: 69937.1/92



Right In: -5.908+/-0.117 χ^2/NDF: 1258.9/19

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.441+/-0.123 χ^2/NDF: 1324.3/24

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

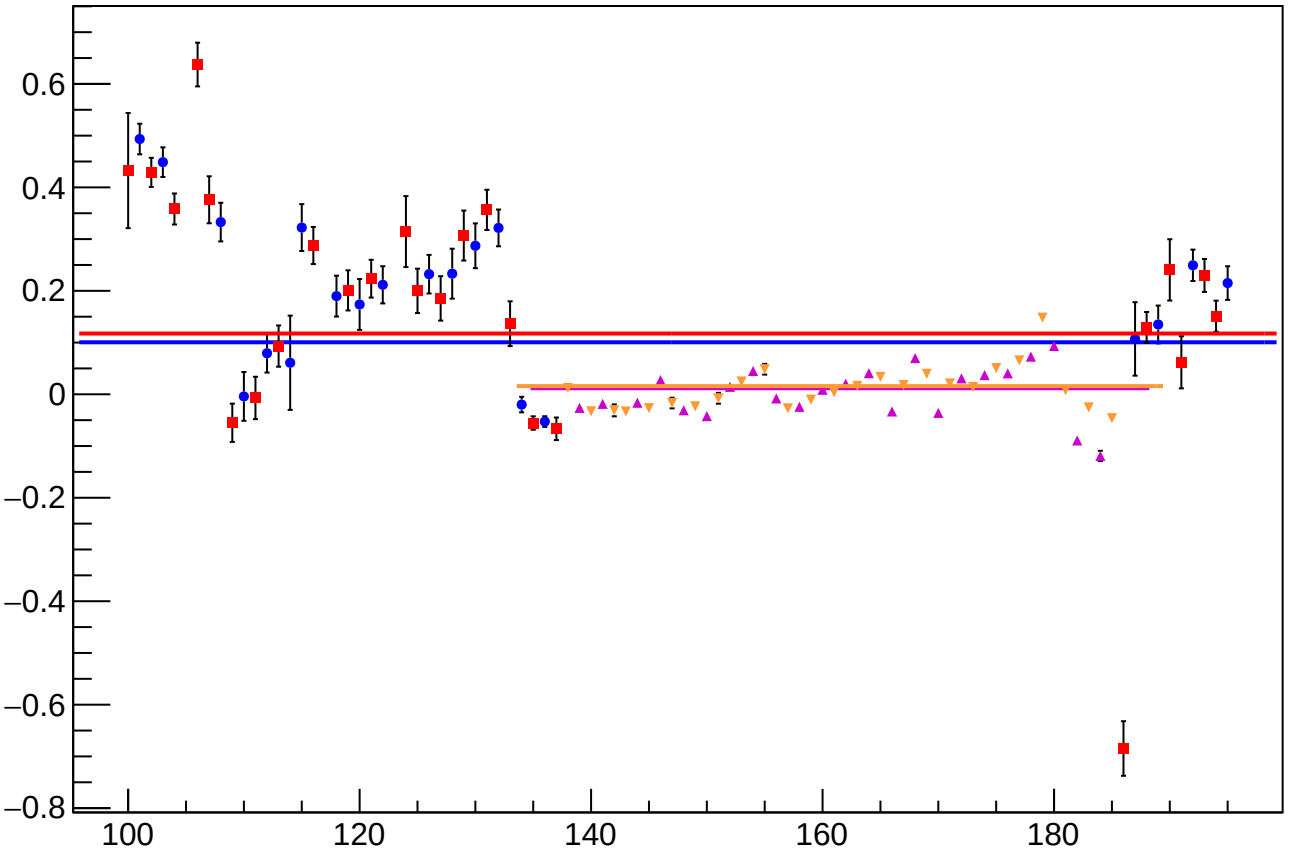
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.685+/-0.085 χ^2/NDF: 2590.8/44

In: -6.284+/-0.030 χ^2/NDF:3300.1/42

Out: -6.184+/-0.030 χ^2/NDF:3813.4/49

All: -6.233+/-0.021 χ^2/NDF: 7119.0/92



Right In: 0.101+/-0.006 χ^2/NDF: 809.3/19

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.117+/-0.007 χ^2/NDF: 1013.5/24

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

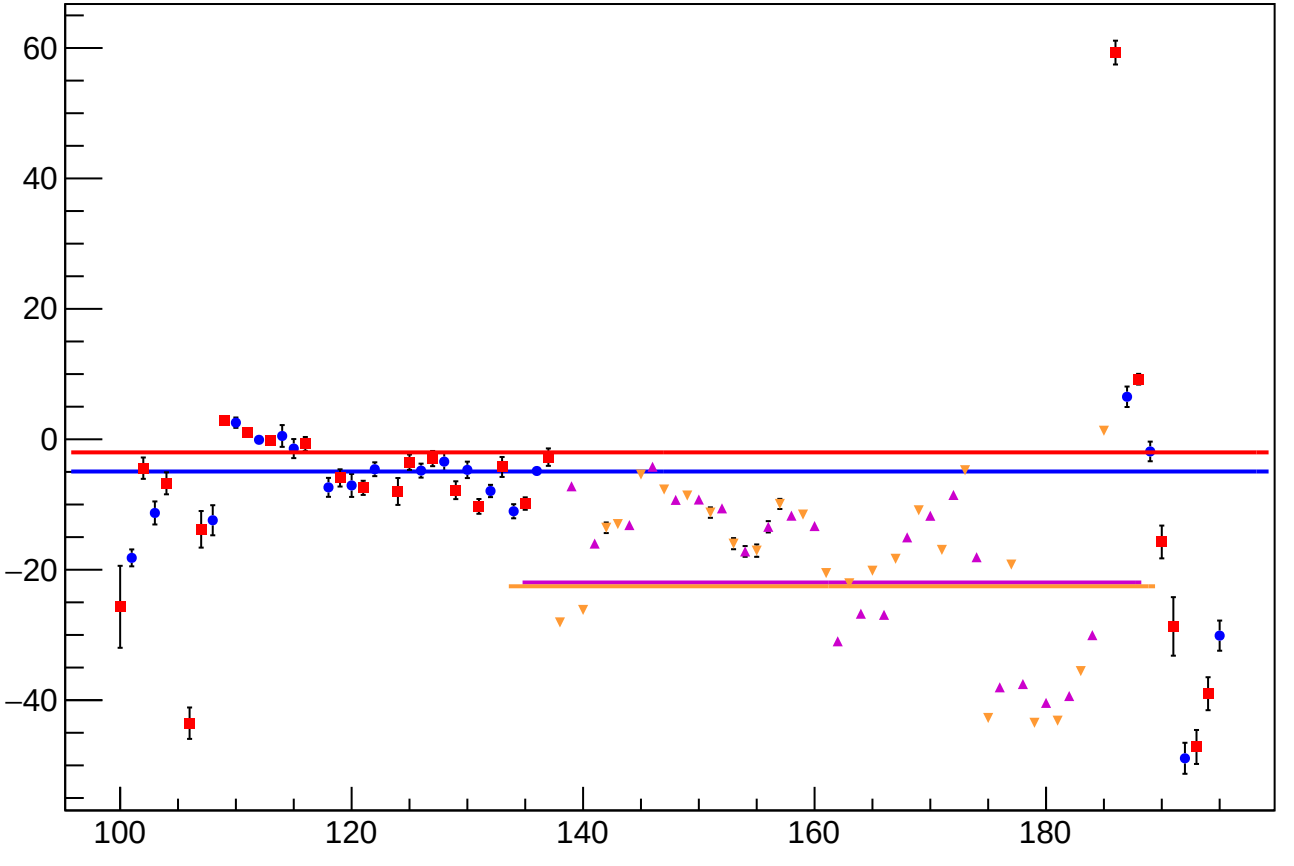
Right: 0.108+/-0.005 χ^2/NDF: 1826.3/44

In: 0.016+/-0.001 χ^2/NDF:2302.0/42

Out: 0.020+/-0.001 χ^2/NDF:2173.6/49

All: 0.018+/-0.001 χ^2/NDF: 4479.9/92

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.937+/-0.257 χ^2/NDF: 853.1/19

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.005+/-0.243 χ^2/NDF: 2501.8/24

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

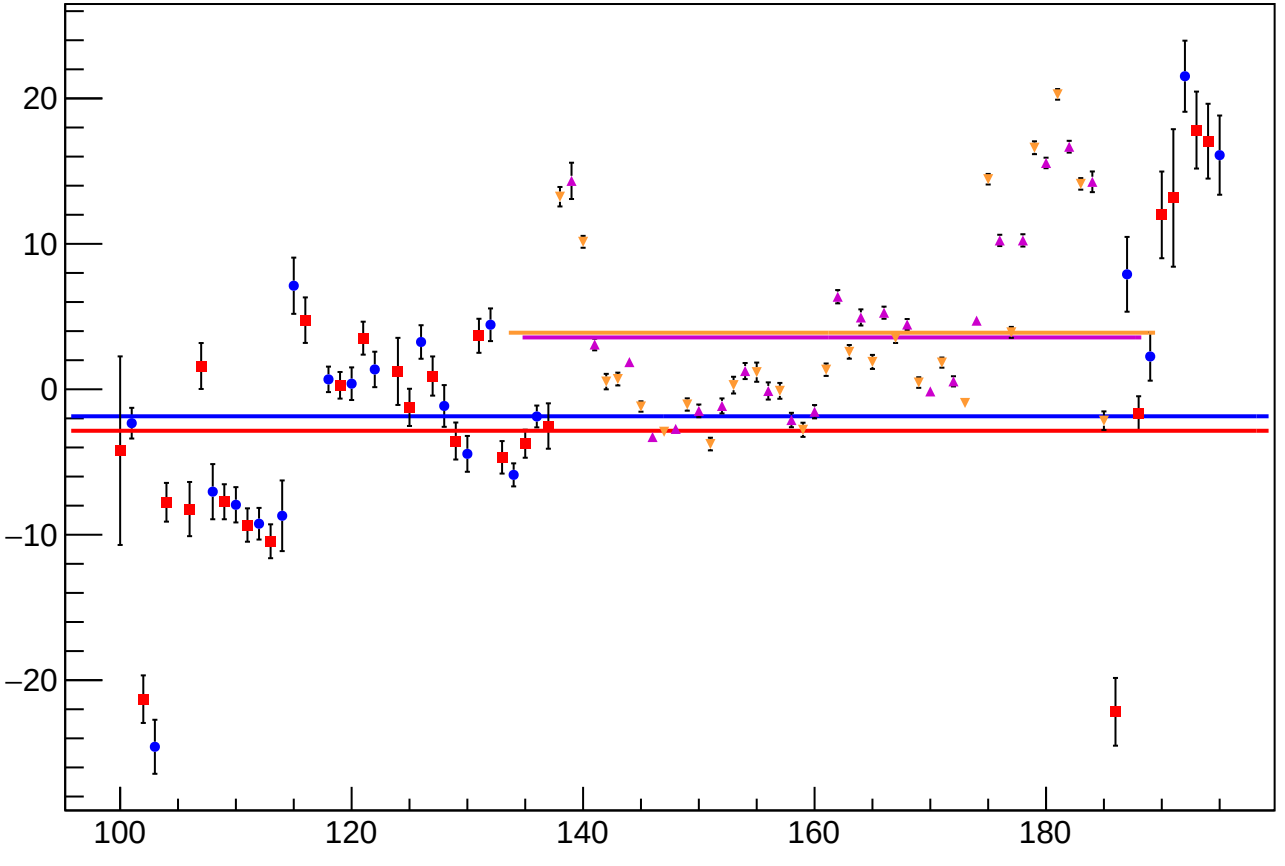
Right: -3.384+/-0.177 χ^2/NDF: 3423.6/44

In: -19.282+/-0.102 χ^2/NDF:17122.3/42

Out: -19.136+/-0.099 χ^2/NDF:25019.9/49

All: -19.206+/-0.071 χ^2/NDF: 42143.3/92

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.856+/-0.277 χ^2/NDF: 514.5/19

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -2.852+/-0.282 χ^2/NDF: 589.7/24

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

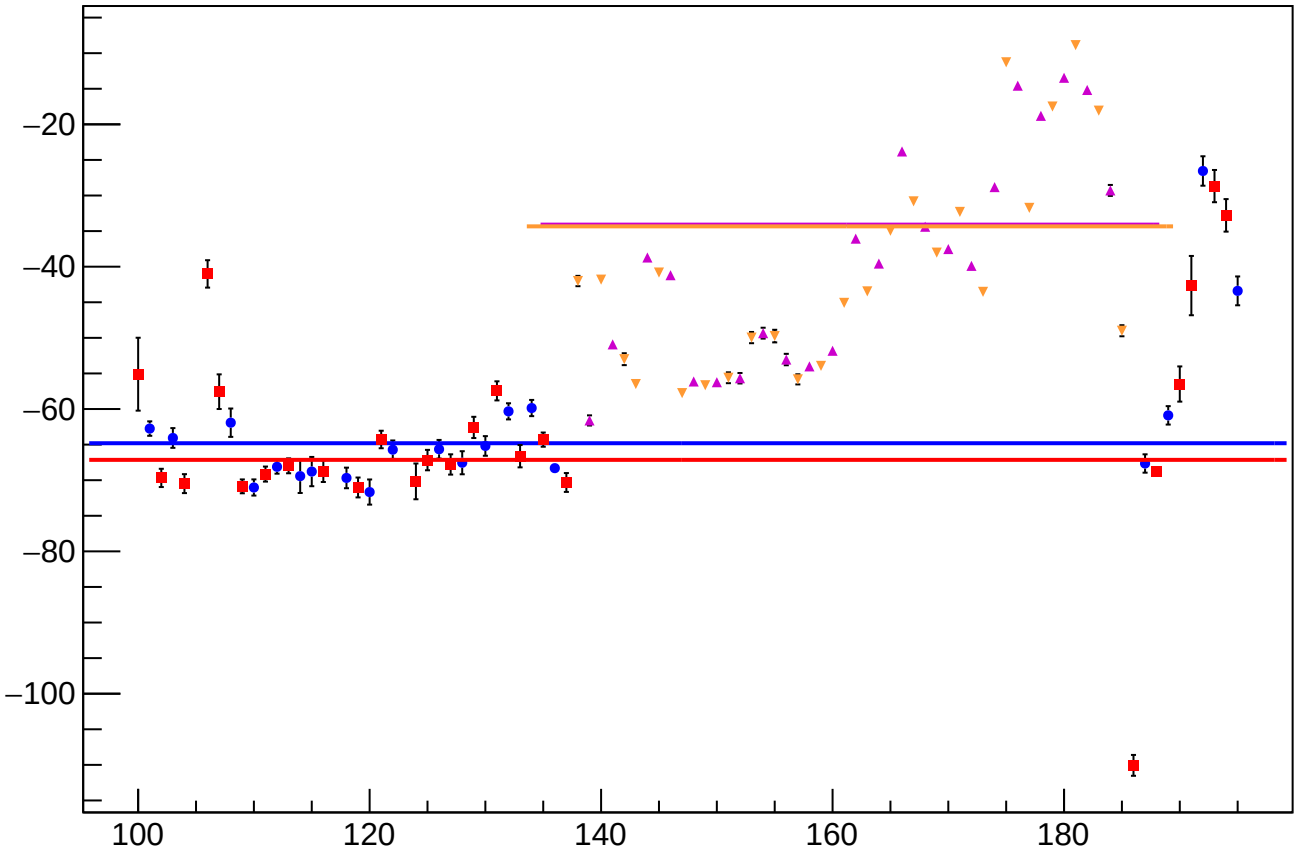
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -2.344+/-0.197 χ^2/NDF: 1110.5/44

In: 3.086+/-0.082 χ^2/NDF:5603.8/42

Out: 3.338+/-0.081 χ^2/NDF:7838.9/49

All: 3.214+/-0.058 χ^2/NDF: 13447.6/92



Right In: -64.806+/-0.283 χ^2/NDF: 617.6/19

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -67.143+/-0.271 χ^2/NDF: 1755.7/24

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

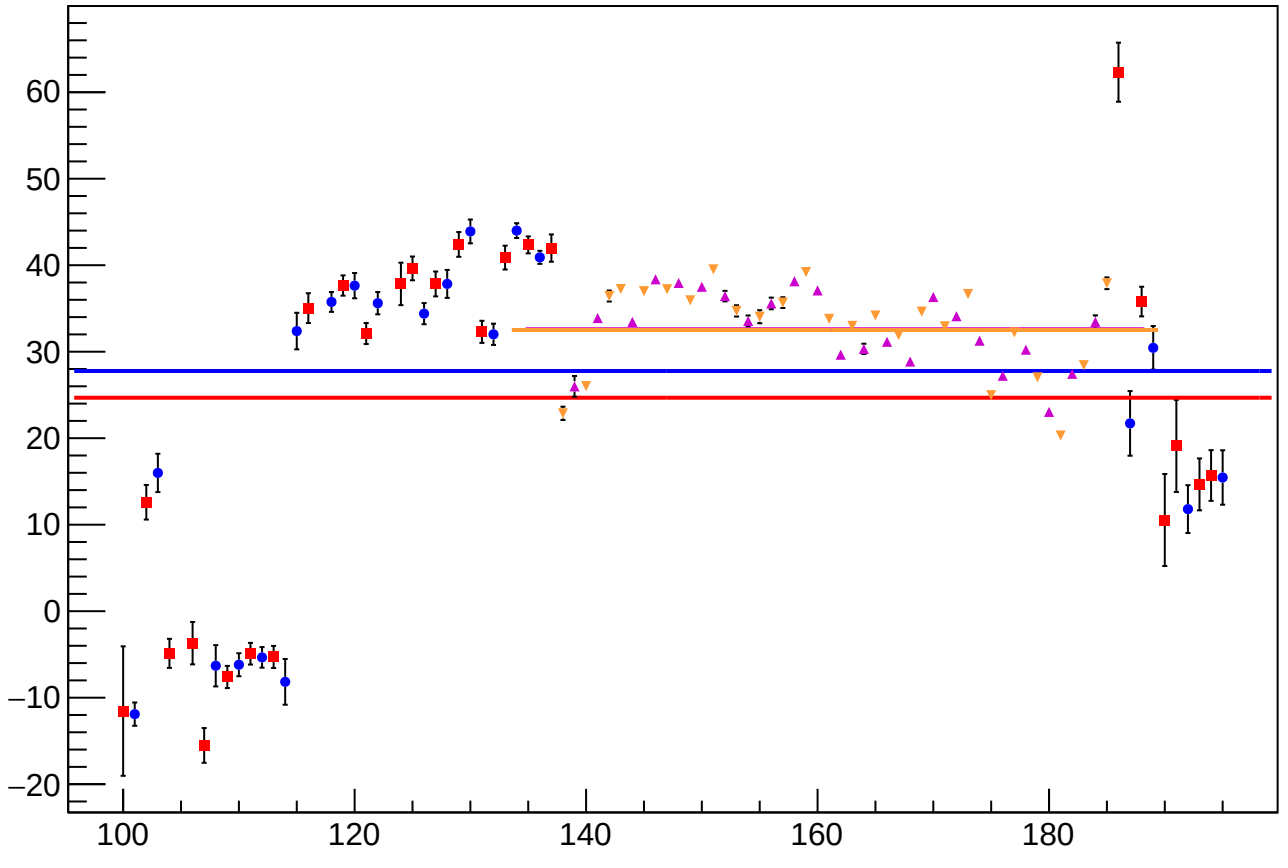
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -66.025+/-0.196 χ^2/NDF: 2408.8/44

In: -38.180+/-0.103 χ^2/NDF:28545.3/42

Out: -38.843+/-0.101 χ^2/NDF:35576.0/49

All: -38.520+/-0.072 χ^2/NDF: 64142.5/92



Right In: 27.770+/-0.313 χ^2/NDF: 3781.2/19

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.680+/-0.323 χ^2/NDF: 4035.9/24

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

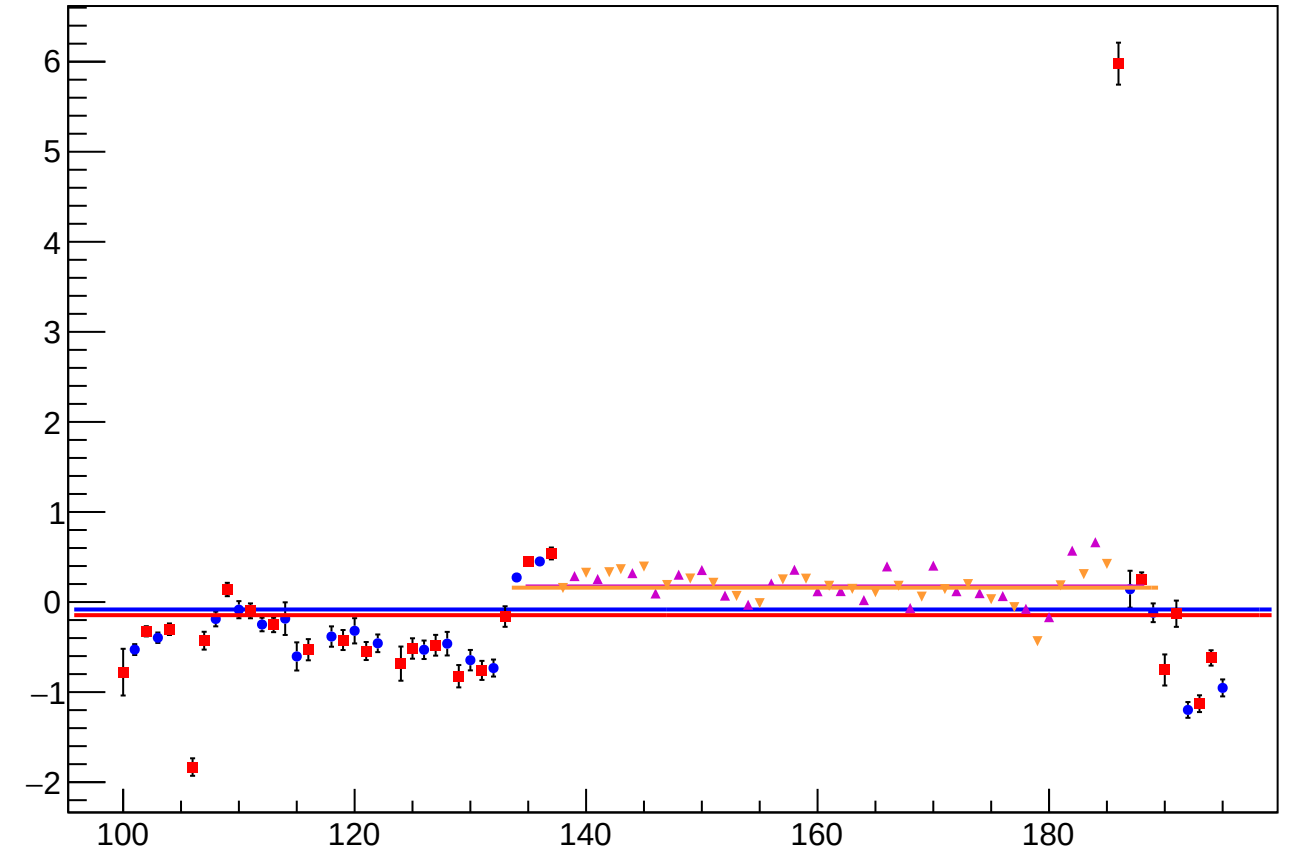
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 26.274+/-0.225 χ^2/NDF: 7864.4/44

In: 32.176+/-0.092 χ^2/NDF:6011.8/42

Out: 31.892+/-0.091 χ^2/NDF:7516.2/49

All: 32.031+/-0.065 χ^2/NDF: 13532.8/92



Right In: -0.082+/-0.016 χ^2/NDF: 853.9/19

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.146+/-0.017 χ^2/NDF: 1686.7/24

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

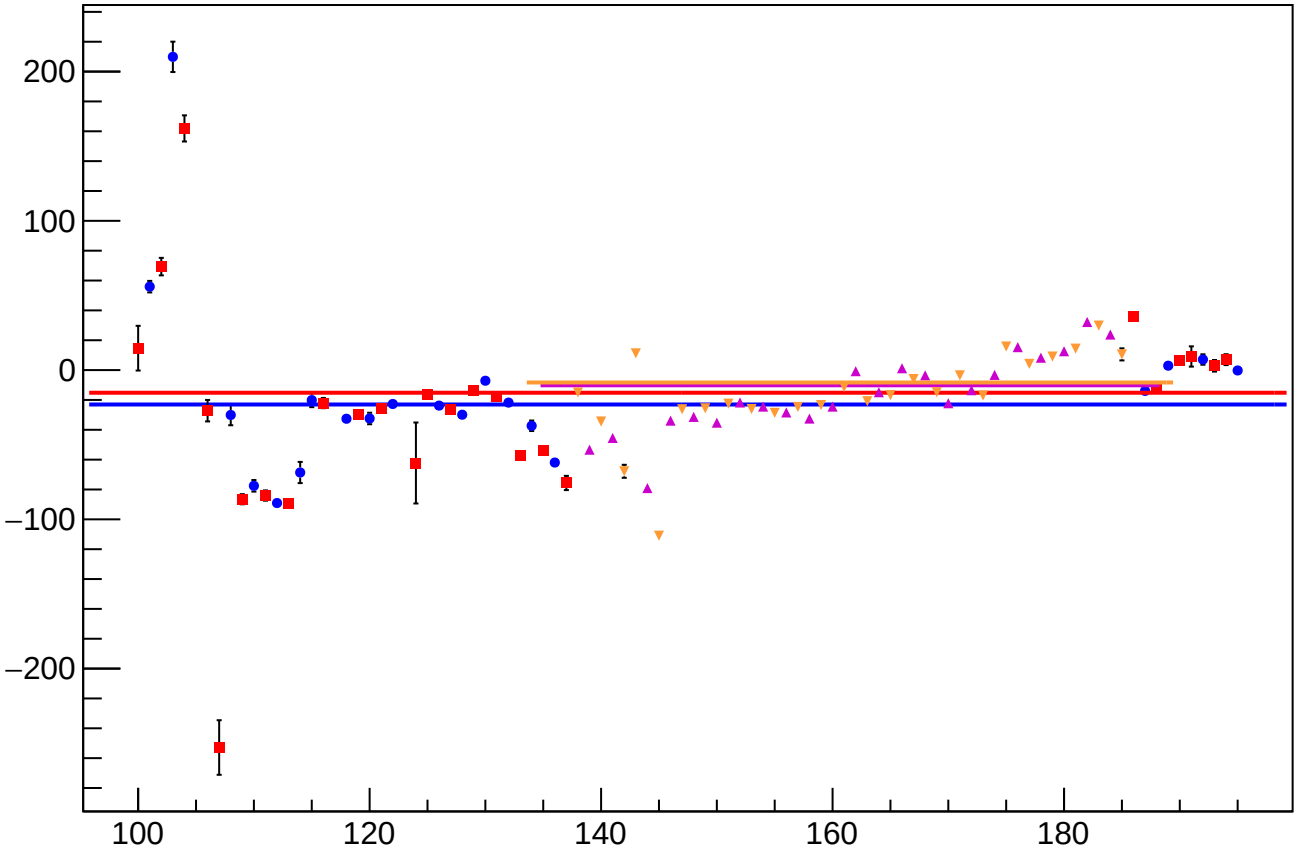
Right: -0.112+/-0.012 χ^2/NDF: 2547.6/44

In: 0.157+/-0.004 χ^2/NDF:3209.3/42

Out: 0.143+/-0.004 χ^2/NDF:3591.7/49

All: 0.149+/-0.003 χ^2/NDF: 6806.8/92

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.049+/-0.697 χ^2/NDF: 2289.5/19

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -15.171+/-0.602 χ^2/NDF: 3997.2/24

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

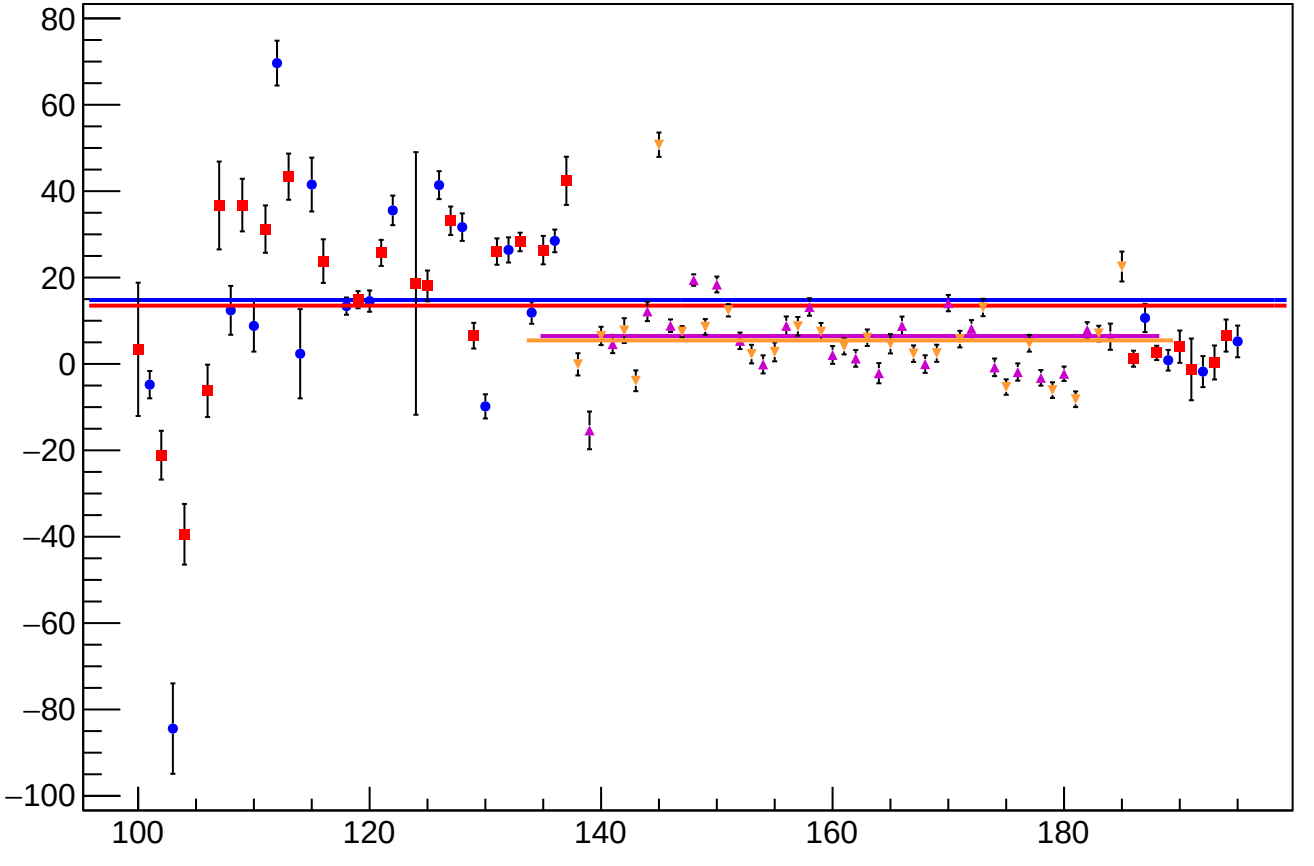
Right: -18.540+/-0.456 χ^2/NDF: 6360.0/44

In: -14.857+/-0.420 χ^2/NDF:5025.1/42

Out: -11.193+/-0.391 χ^2/NDF:6632.3/49

All: -12.893+/-0.286 χ^2/NDF: 11698.2/92

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.802+/-0.726 χ^2/NDF: 579.1/19

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 13.501+/-0.673 χ^2/NDF: 449.4/24

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

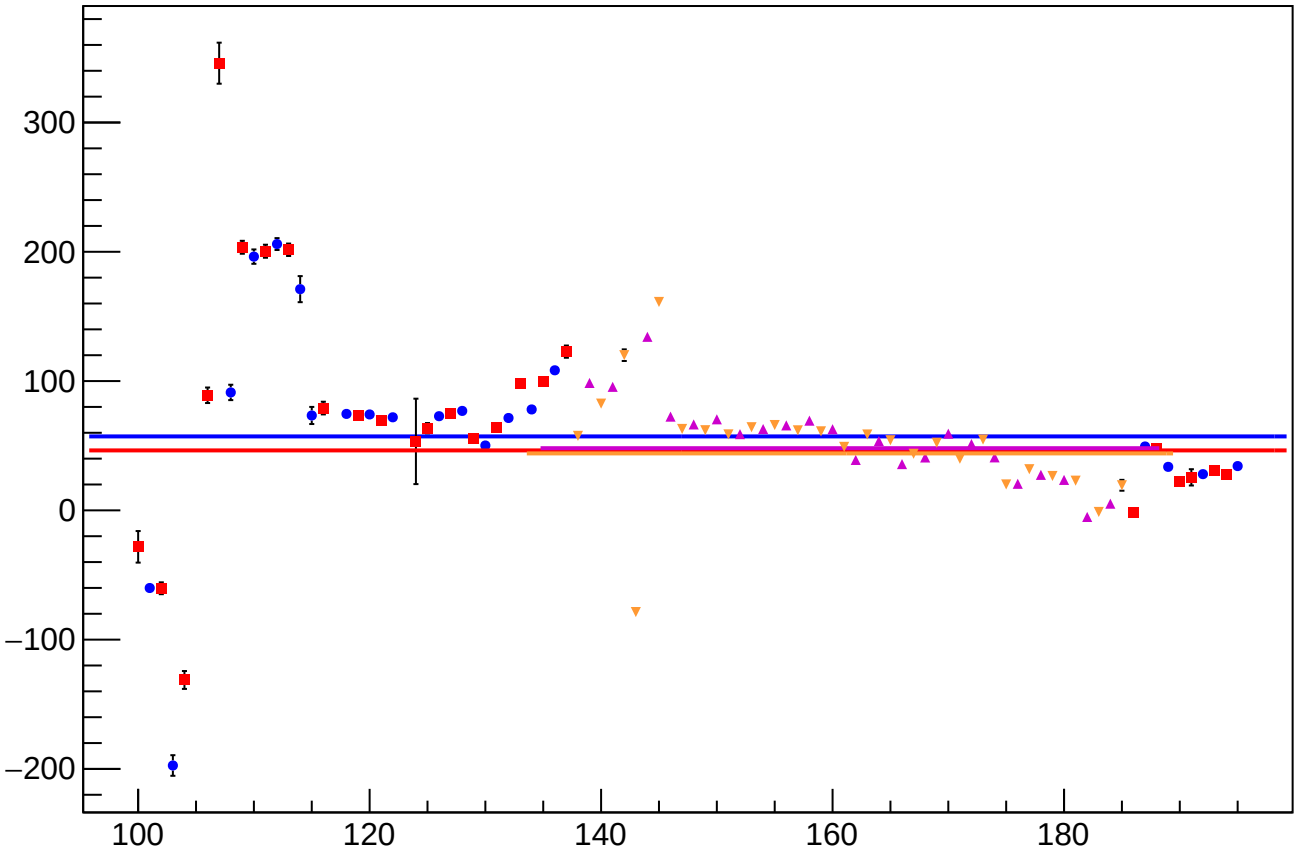
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 14.102+/-0.493 χ^2/NDF: 1030.3/44

In: 8.464+/-0.356 χ^2/NDF:1015.4/42

Out: 7.502+/-0.340 χ^2/NDF:1049.9/49

All: 7.961+/-0.246 χ^2/NDF: 2069.1/92



Right In: 57.196+/-0.694 χ^2/NDF: 5410.1/19

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 46.369+/-0.565 χ^2/NDF: 7459.5/24

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

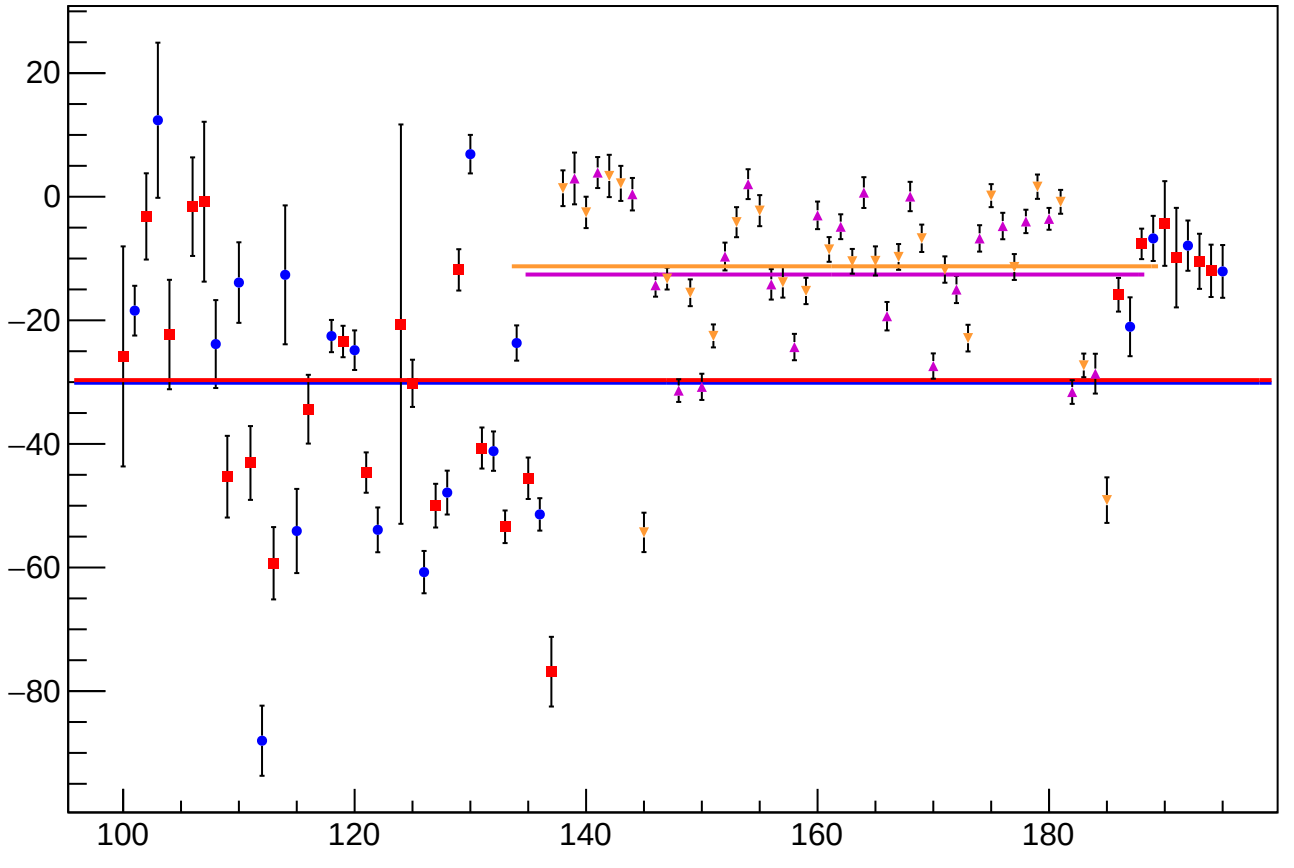
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 50.681+/-0.438 χ^2/NDF: 13015.8/44

In: 51.362+/-0.417 χ^2/NDF:8896.9/42

Out: 45.086+/-0.379 χ^2/NDF:12032.6/49

All: 47.922+/-0.280 χ^2/NDF: 21053.8/92



Right In: -30.099+/-0.857 χ^2/NDF: 621.1/19

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -29.676+/-0.829 χ^2/NDF: 503.7/24

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

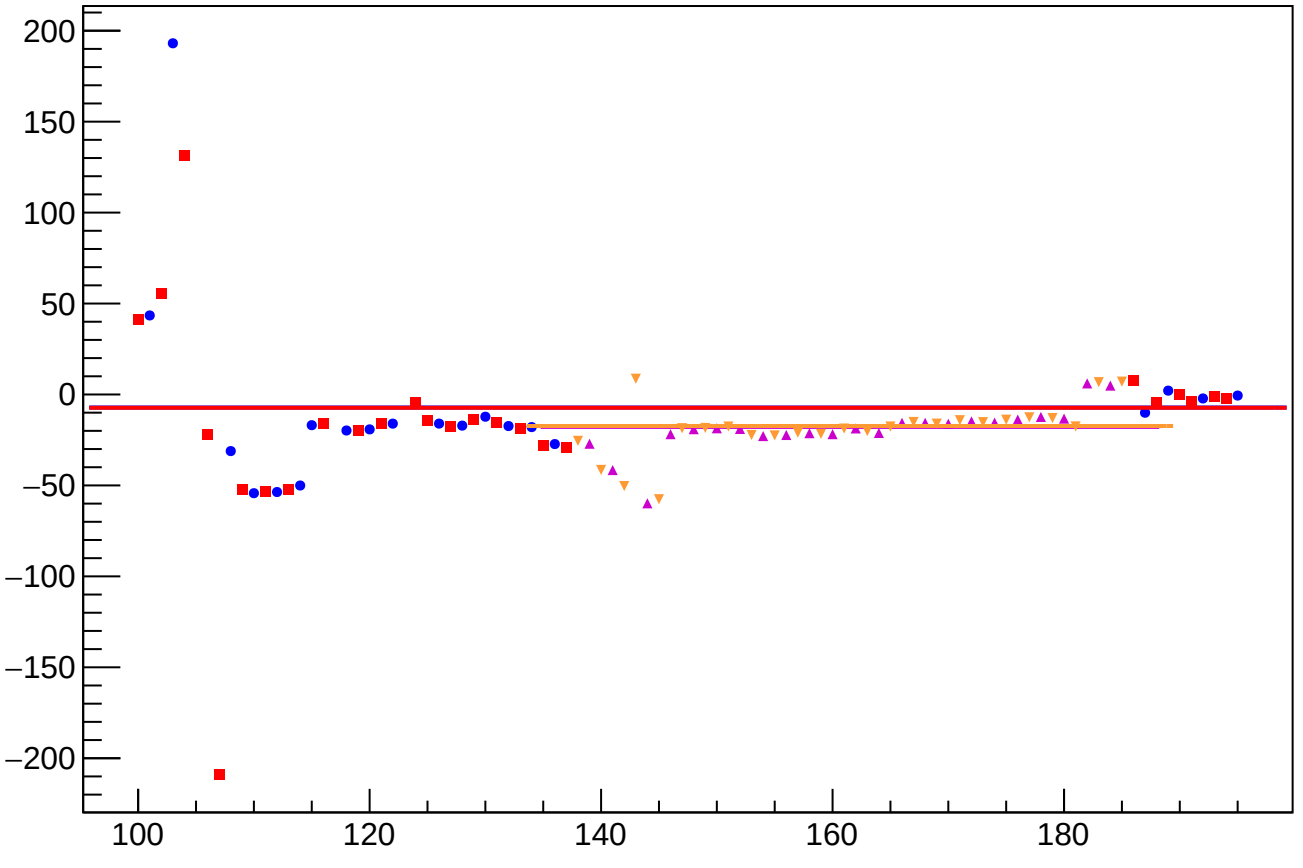
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -29.881+/-0.596 χ^2/NDF: 1124.9/44

In: -16.489+/-0.405 χ^2/NDF:1617.3/42

Out: -15.376+/-0.392 χ^2/NDF:1529.9/49

All: -15.915+/-0.282 χ^2/NDF: 3151.1/92



Right In: -7.159+/-0.046 χ^2/NDF: 533034.4/19

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -7.306+/-0.045 χ^2/NDF: 469903.3/24

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

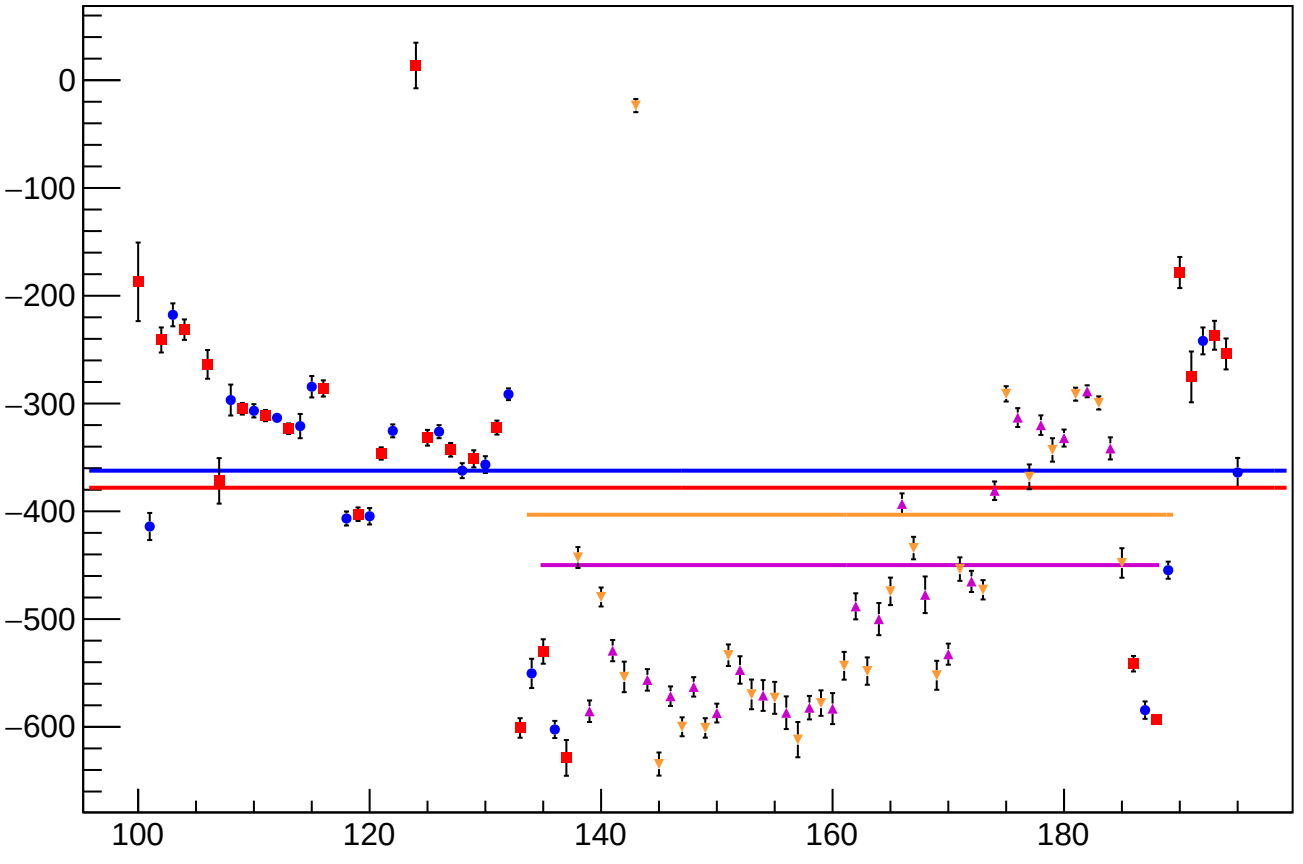
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -7.234+/-0.032 χ^2/NDF: 1002943.0/44

In: -16.061+/-0.019 χ^2/NDF:846288.3/42

Out: -15.655+/-0.018 χ^2/NDF:859803.9/49

All: -15.855+/-0.013 χ^2/NDF: 1706335.9/92



Right In: -362.289+/-1.706 χ^2/NDF: 2902.1/19

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -378.114+/-1.555 χ^2/NDF: 6076.5/24

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

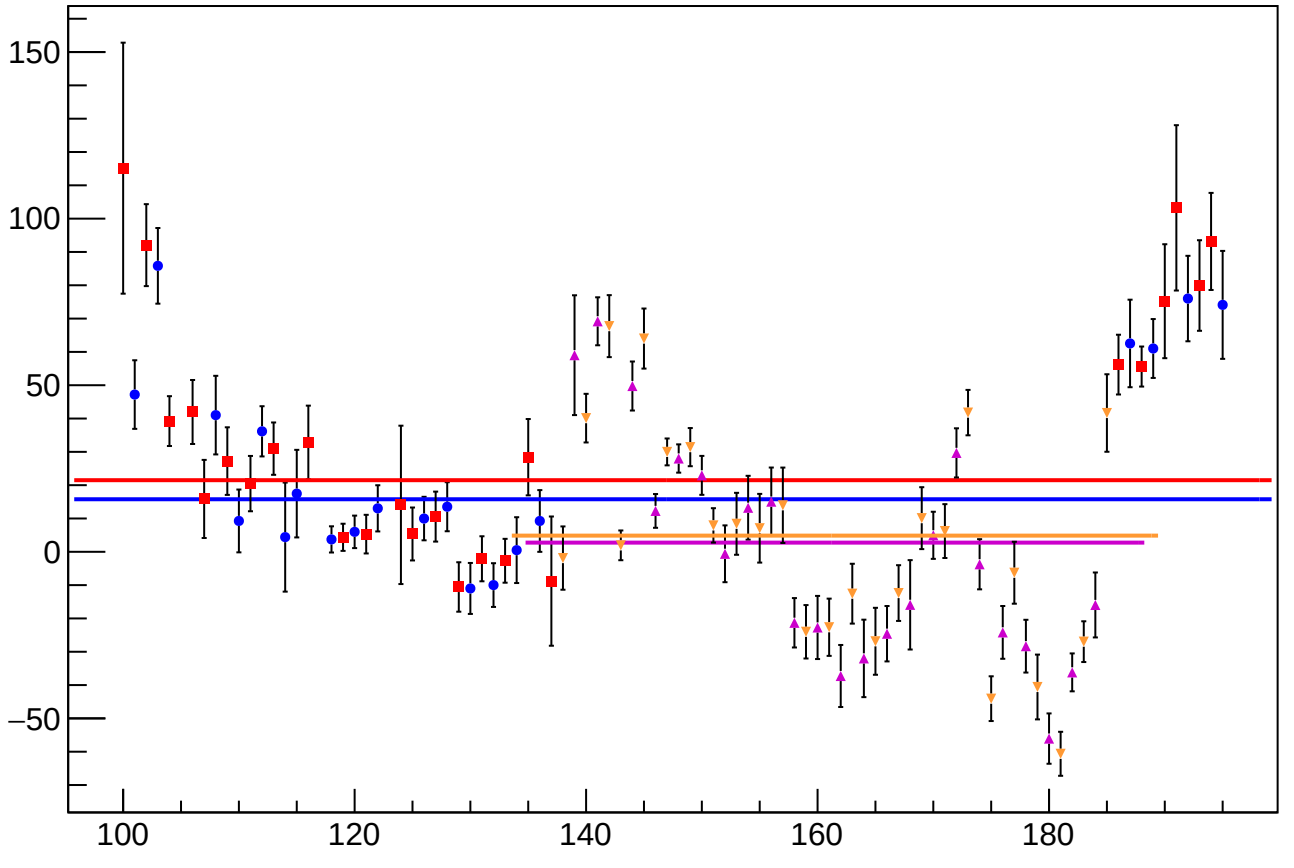
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -370.935+/-1.149 χ^2/NDF: 9025.6/44

In: -398.294+/-1.310 χ^2/NDF:7204.5/42

Out: -388.001+/-1.210 χ^2/NDF:13929.4/49

All: -392.742+/-0.889 χ^2/NDF: 21167.2/92



Right In: 15.773+/-1.760 χ^2/NDF: 179.2/19

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 21.495+/-1.700 χ^2/NDF: 241.9/24

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

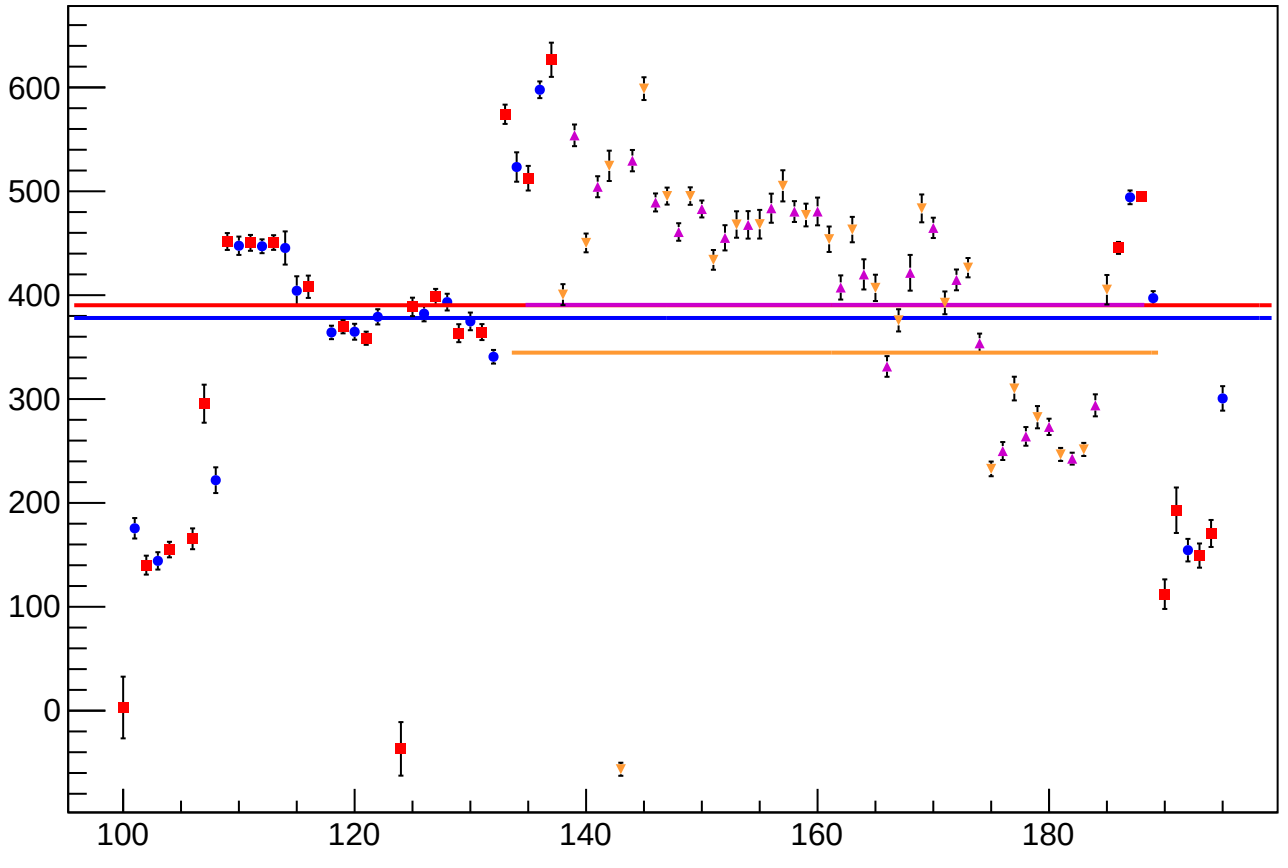
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 18.733+/-1.223 χ^2/NDF: 426.6/44

In: 8.461+/-1.165 χ^2/NDF:609.5/42

Out: 11.848+/-1.102 χ^2/NDF:754.7/49

All: 10.249+/-0.800 χ^2/NDF: 1368.7/92



Right In: 378.044+/-1.868 χ^2/NDF: 3233.8/19

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 390.307+/-1.639 χ^2/NDF: 5862.9/24

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

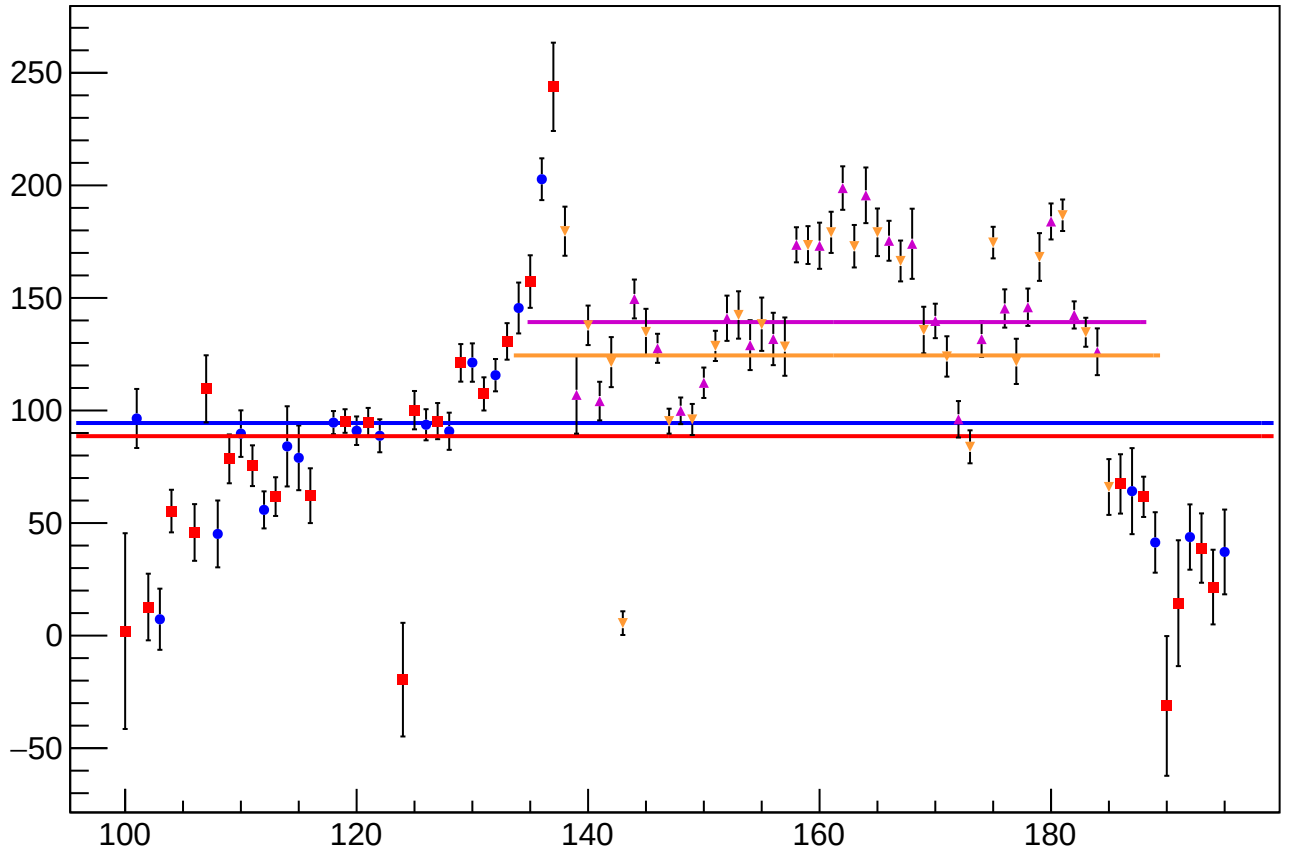
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 384.971+/-1.232 χ^2/NDF: 9121.1/44

In: 383.834+/-1.374 χ^2/NDF:5927.6/42

Out: 371.121+/-1.248 χ^2/NDF:13467.0/49

All: 376.865+/-0.924 χ^2/NDF: 19441.5/92



Right In: 94.438+/-2.070 χ^2/NDF: 291.8/19

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 88.598+/-2.012 χ^2/NDF: 303.4/24

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

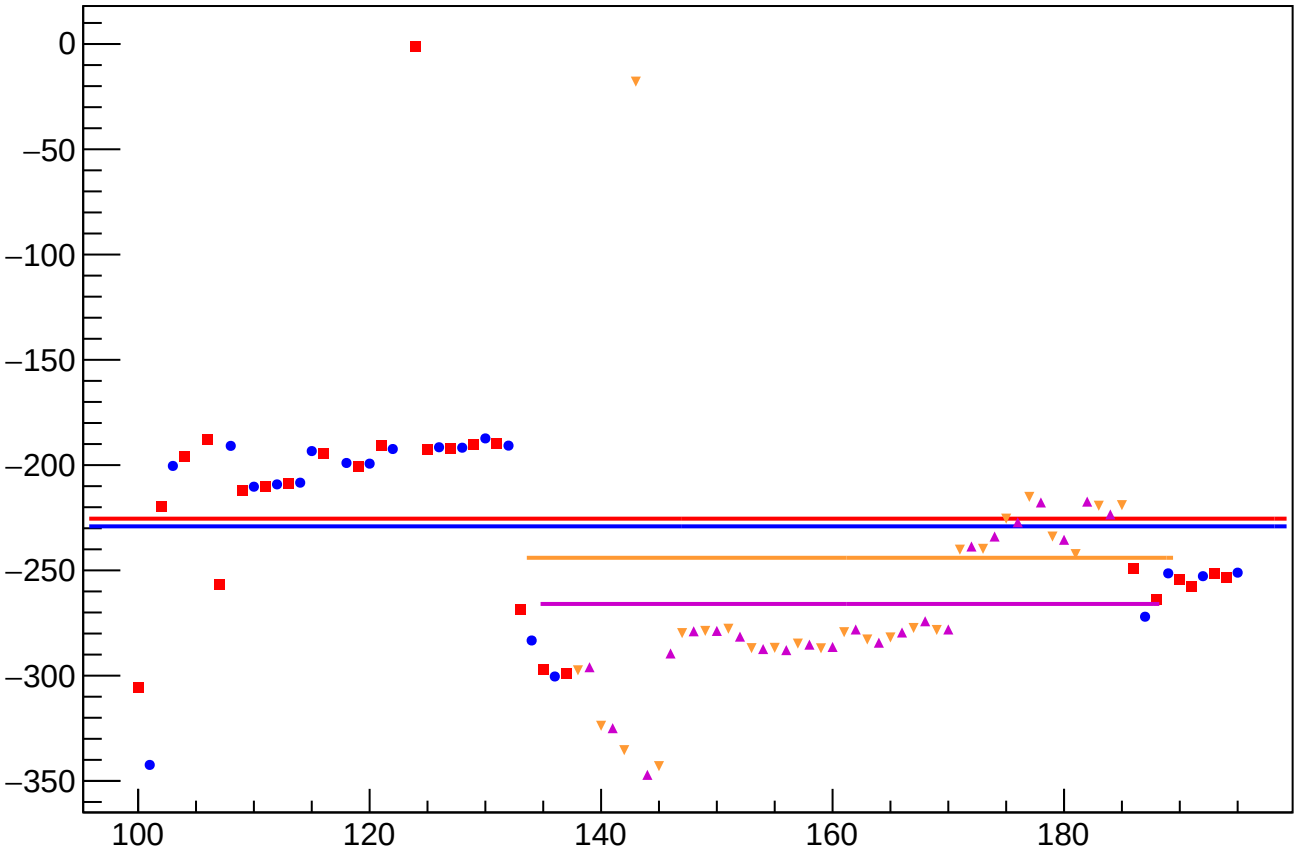
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 91.434+/-1.443 χ^2/NDF: 599.3/44

In: 120.346+/-1.345 χ^2/NDF:823.8/42

Out: 109.917+/-1.281 χ^2/NDF:1429.9/49

All: 114.878+/-0.928 χ^2/NDF: 2285.2/92



Right In: -229.090+/-0.125 χ^2/NDF: 130314.8/19

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -225.438+/-0.117 χ^2/NDF: 103572.5/24

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

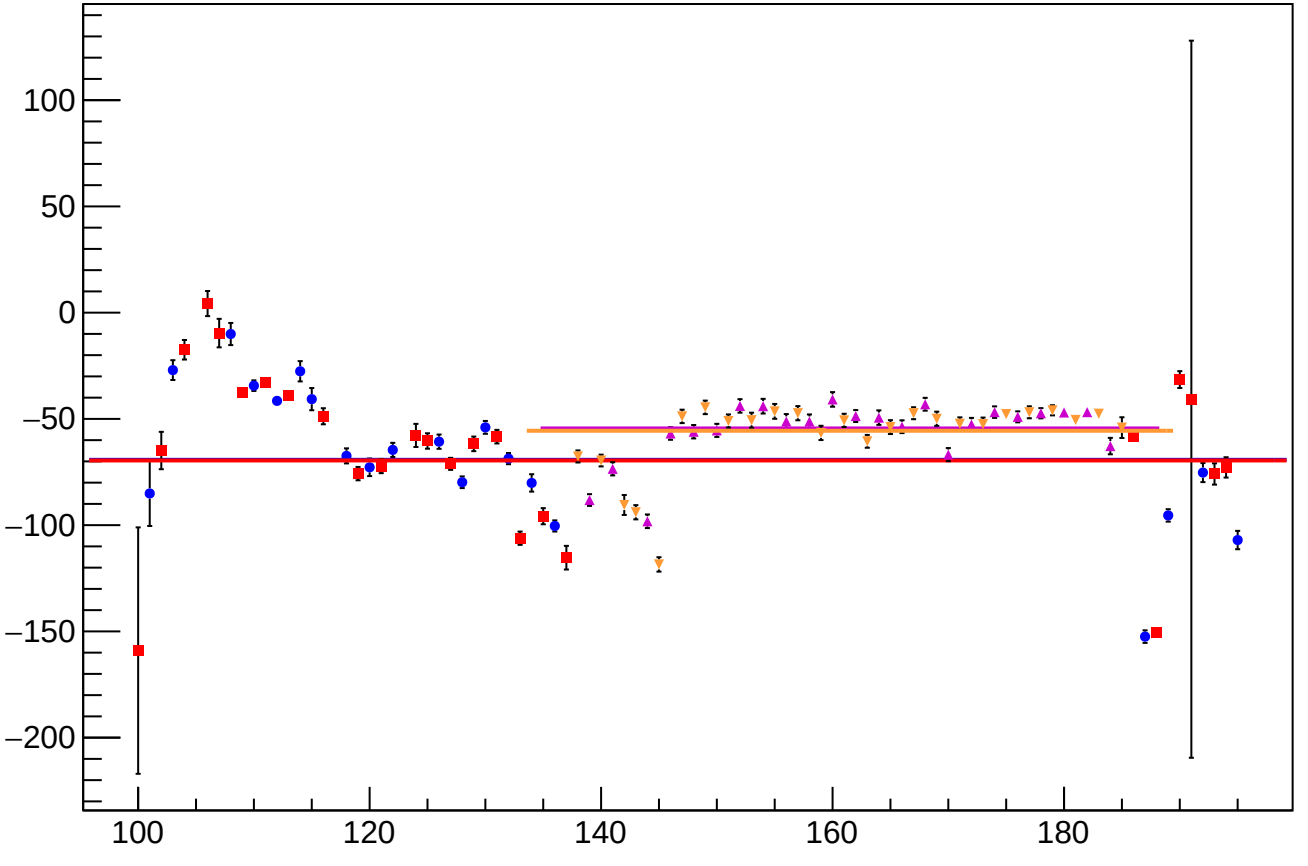
Right: -227.145+/-0.085 χ^2/NDF: 234341.3/44

In: -255.148+/-0.068 χ^2/NDF:361660.9/42

Out: -238.381+/-0.065 χ^2/NDF:1119057.0/49

All: -246.365+/-0.047 χ^2/NDF: 1512858.0/92

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -69.264+/-0.748 χ^2/NDF: 1829.1/19

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -69.549+/-0.645 χ^2/NDF: 3714.0/24

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

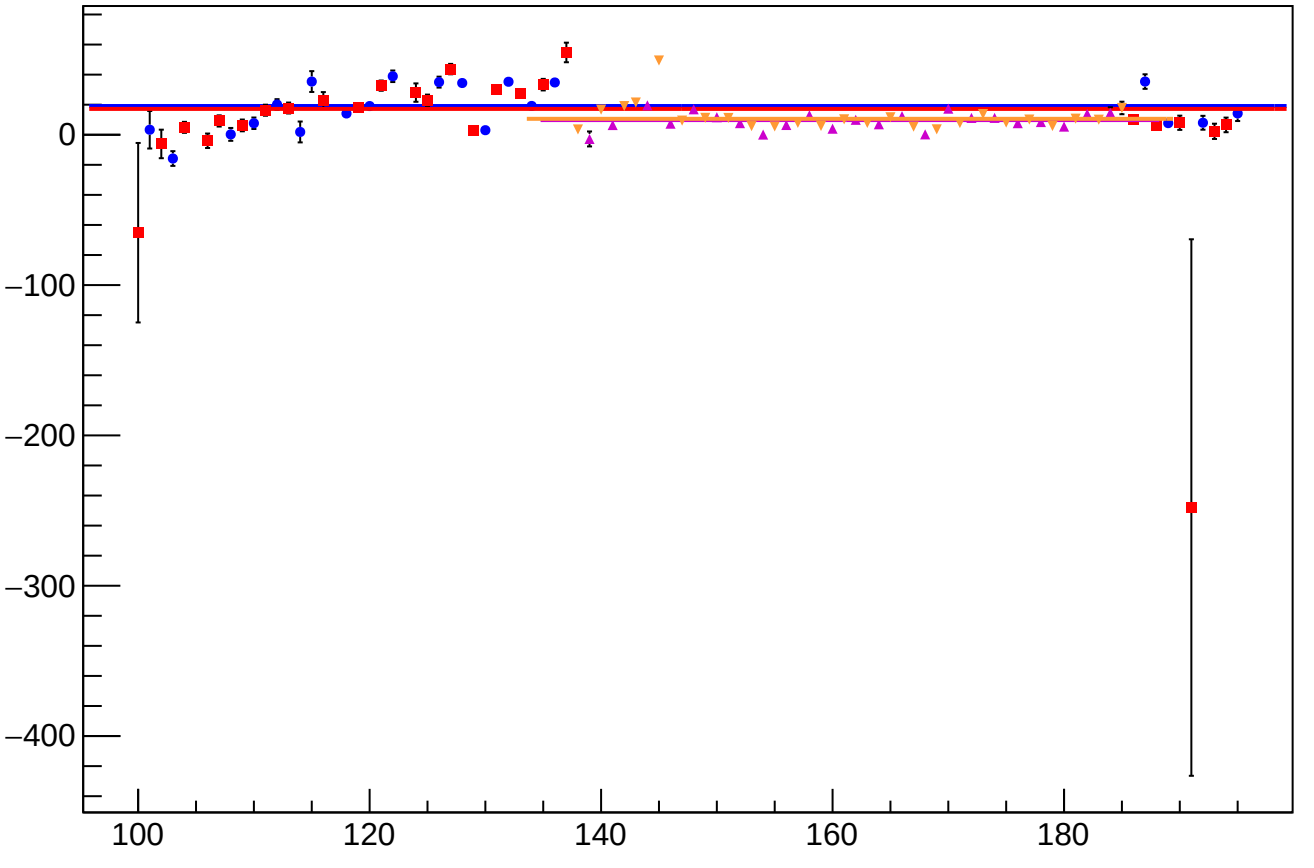
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -69.427+/-0.489 χ^2/NDF: 5543.2/44

In: -60.355+/-0.471 χ^2/NDF:2564.8/42

Out: -61.937+/-0.435 χ^2/NDF:4655.8/49

All: -61.208+/-0.320 χ^2/NDF: 7226.7/92



Right In: 19.115+/-0.802 χ^2/NDF: 278.5/19

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.198+/-0.724 χ^2/NDF: 292.8/24

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

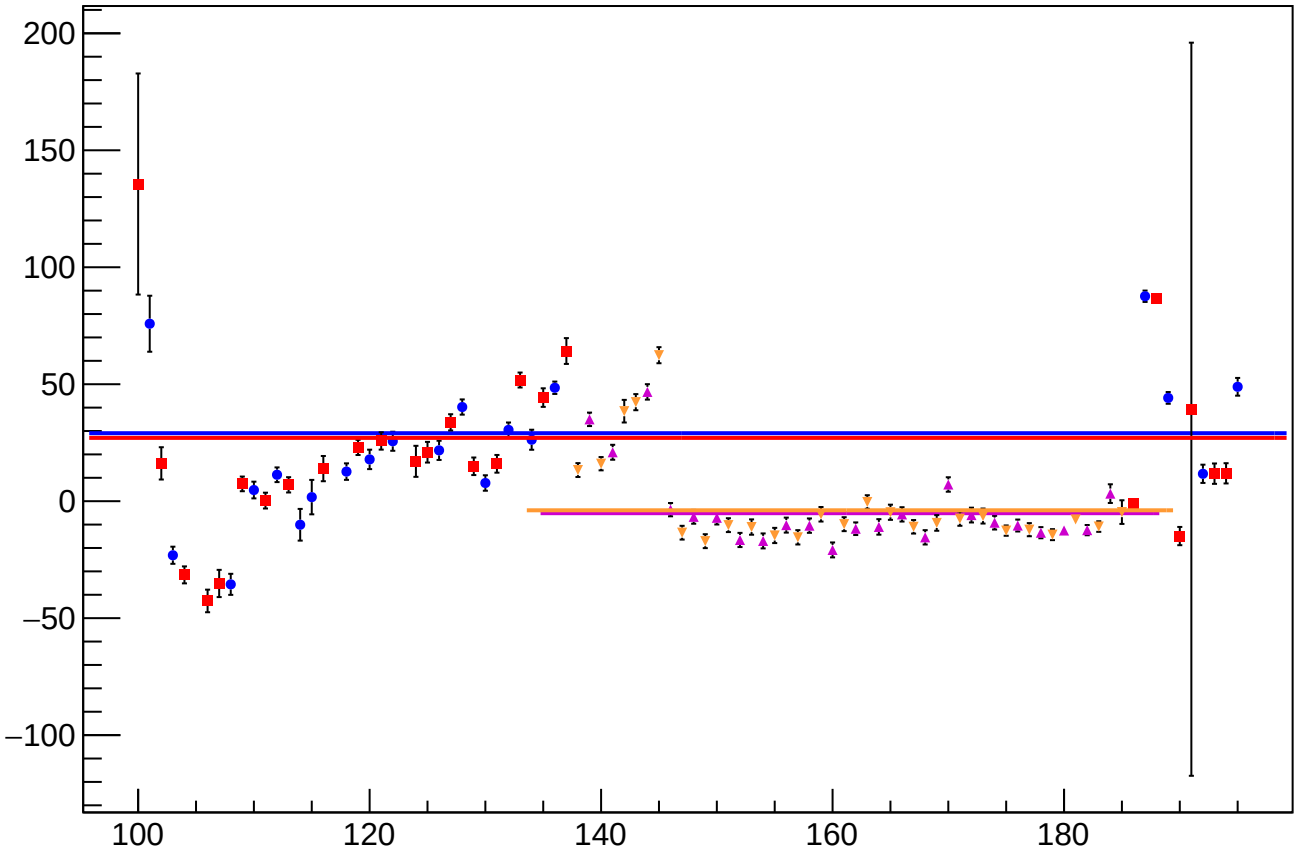
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 18.058+/-0.537 χ^2/NDF: 574.4/44

In: 12.130+/-0.404 χ^2/NDF:501.0/42

Out: 12.438+/-0.382 χ^2/NDF:607.9/49

All: 12.293+/-0.277 χ^2/NDF: 1109.1/92



Right In: 29.062+/-0.802 χ^2/NDF: 1354.4/19

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.066+/-0.656 χ^2/NDF: 3279.2/24

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

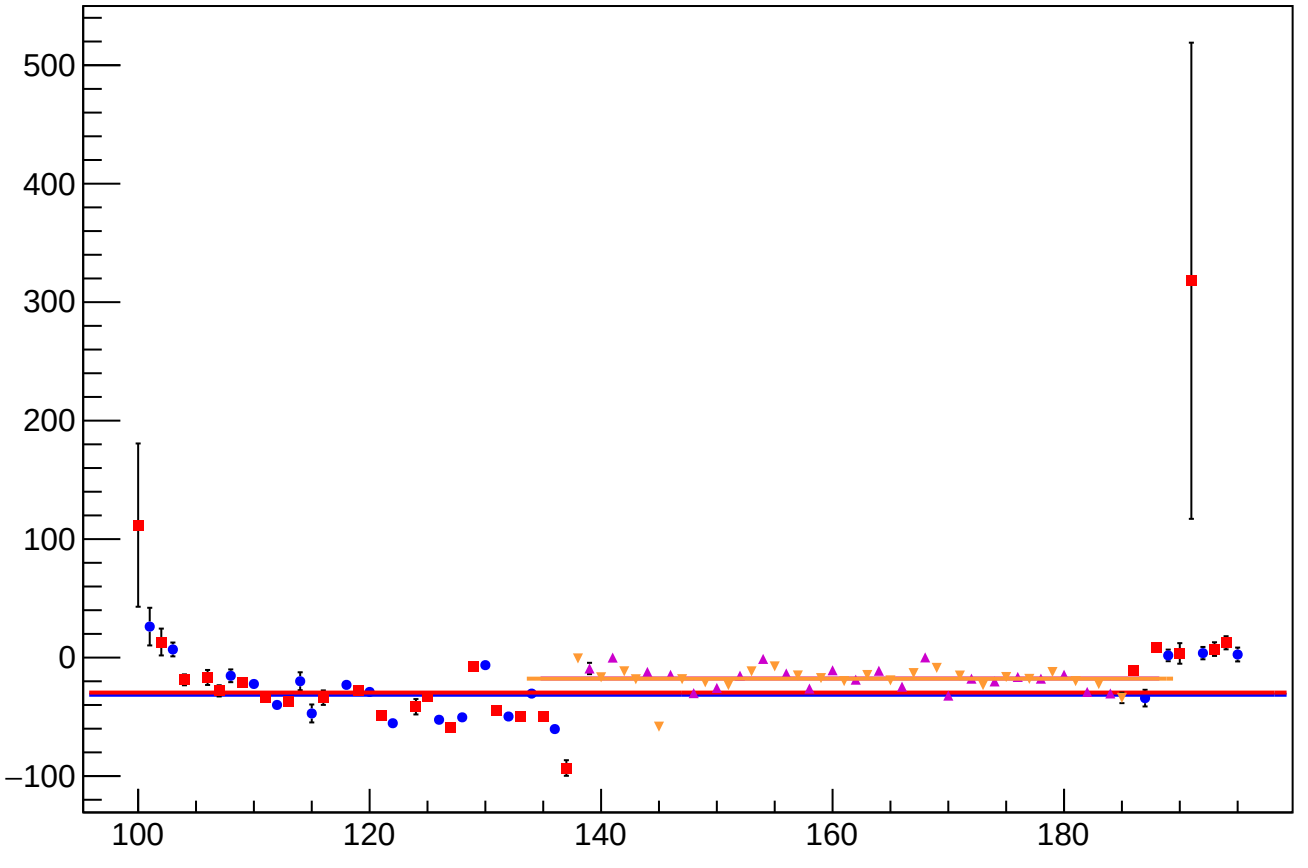
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.866+/-0.507 χ^2/NDF: 4637.3/44

In: 7.141+/-0.480 χ^2/NDF:3170.4/42

Out: 9.831+/-0.437 χ^2/NDF:5370.8/49

All: 8.614+/-0.323 χ^2/NDF: 8558.4/92



Right In: -31.363+/-0.934 χ^2/NDF: 484.4/19

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -29.534+/-0.872 χ^2/NDF: 625.9/24

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

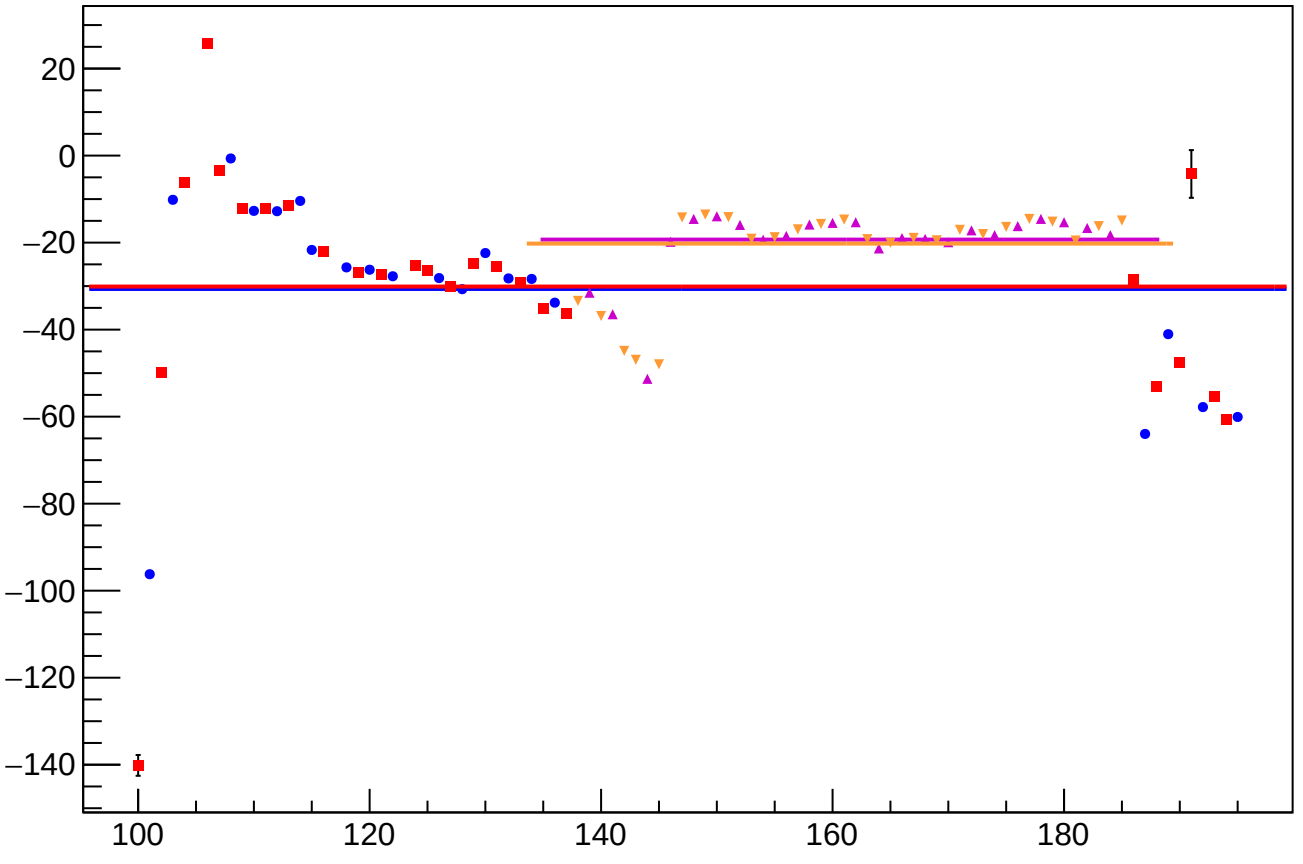
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -30.386+/-0.637 χ^2/NDF: 1112.3/44

In: -20.949+/-0.458 χ^2/NDF:934.3/42

Out: -20.762+/-0.439 χ^2/NDF:1013.1/49

All: -20.852+/-0.317 χ^2/NDF: 1947.4/92



Right In: -30.649+/-0.050 χ^2/NDF: 131977.5/19

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -30.103+/-0.049 χ^2/NDF: 193754.4/24

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

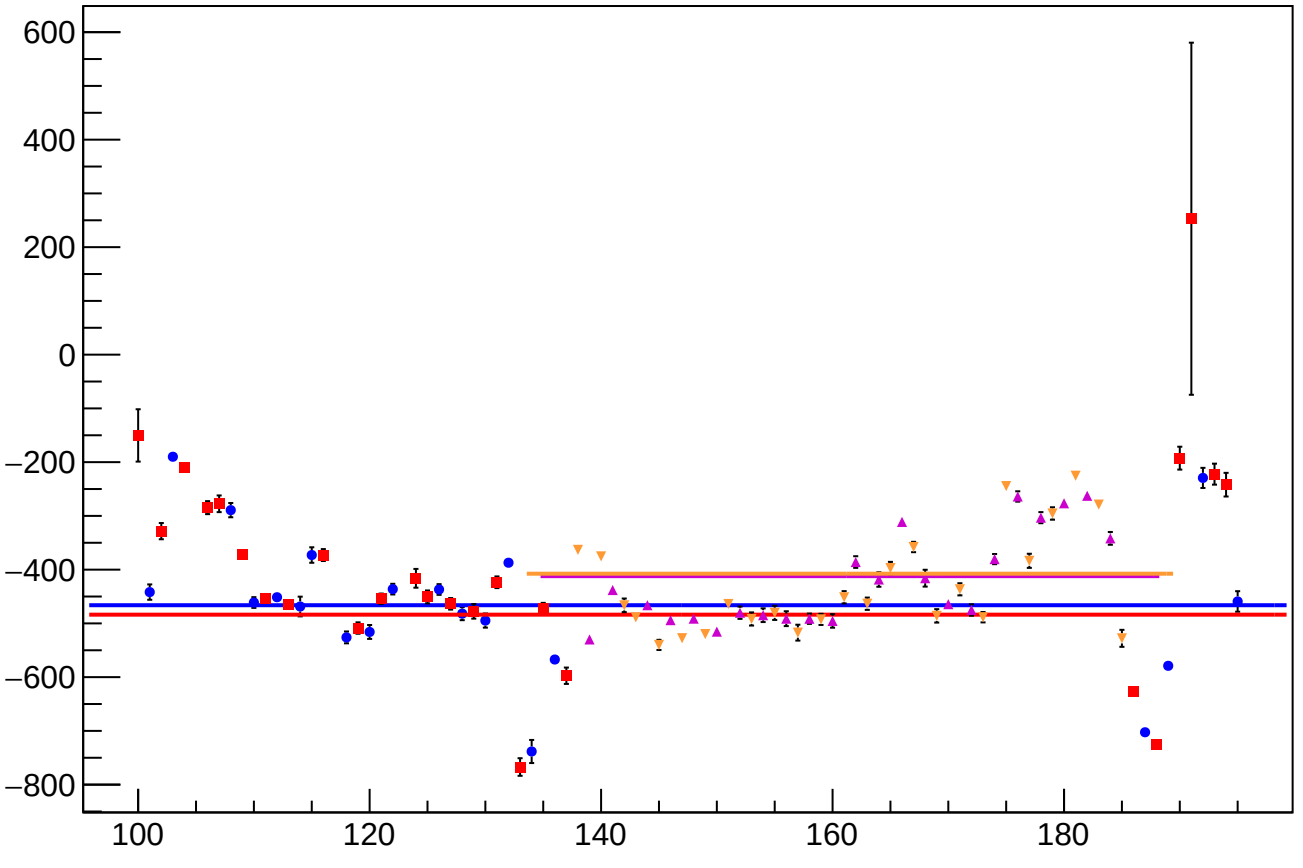
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -30.367+/-0.035 χ^2/NDF: 325792.3/44

In: -21.304+/-0.021 χ^2/NDF:266836.4/42

Out: -22.000+/-0.021 χ^2/NDF:374627.3/49

All: -21.659+/-0.015 χ^2/NDF: 642017.9/92



Right In: -466.175+/-2.442 χ^2/NDF: 2622.7/19

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -483.759+/-2.118 χ^2/NDF: 5716.5/24

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

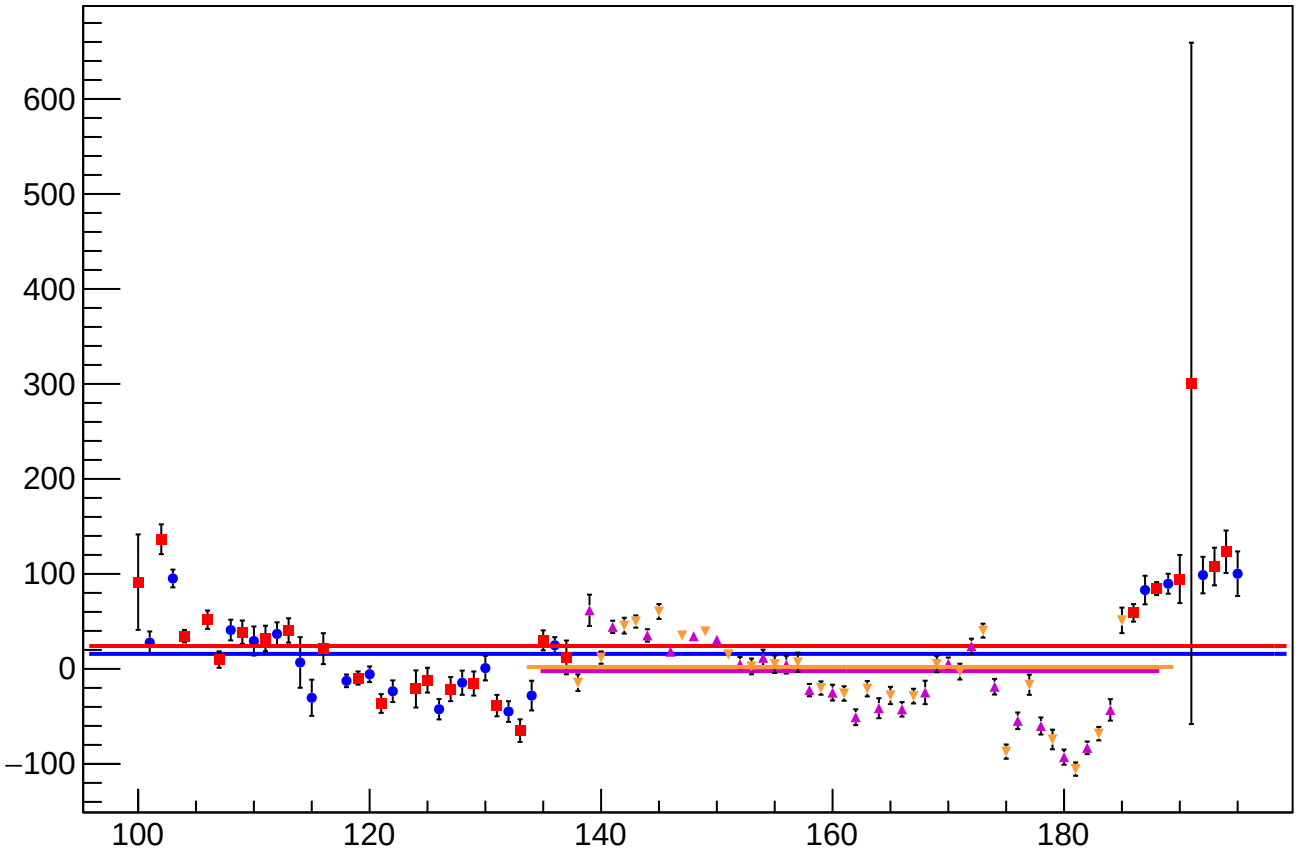
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -476.208+/-1.600 χ^2/NDF: 8368.8/44

In: -433.919+/-1.551 χ^2/NDF:5097.5/42

Out: -442.526+/-1.435 χ^2/NDF:9289.2/49

All: -438.556+/-1.053 χ^2/NDF: 14403.3/92



Right In: 15.829+/-2.562 χ^2/NDF: 302.5/19

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 24.118+/-2.280 χ^2/NDF: 393.3/24

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

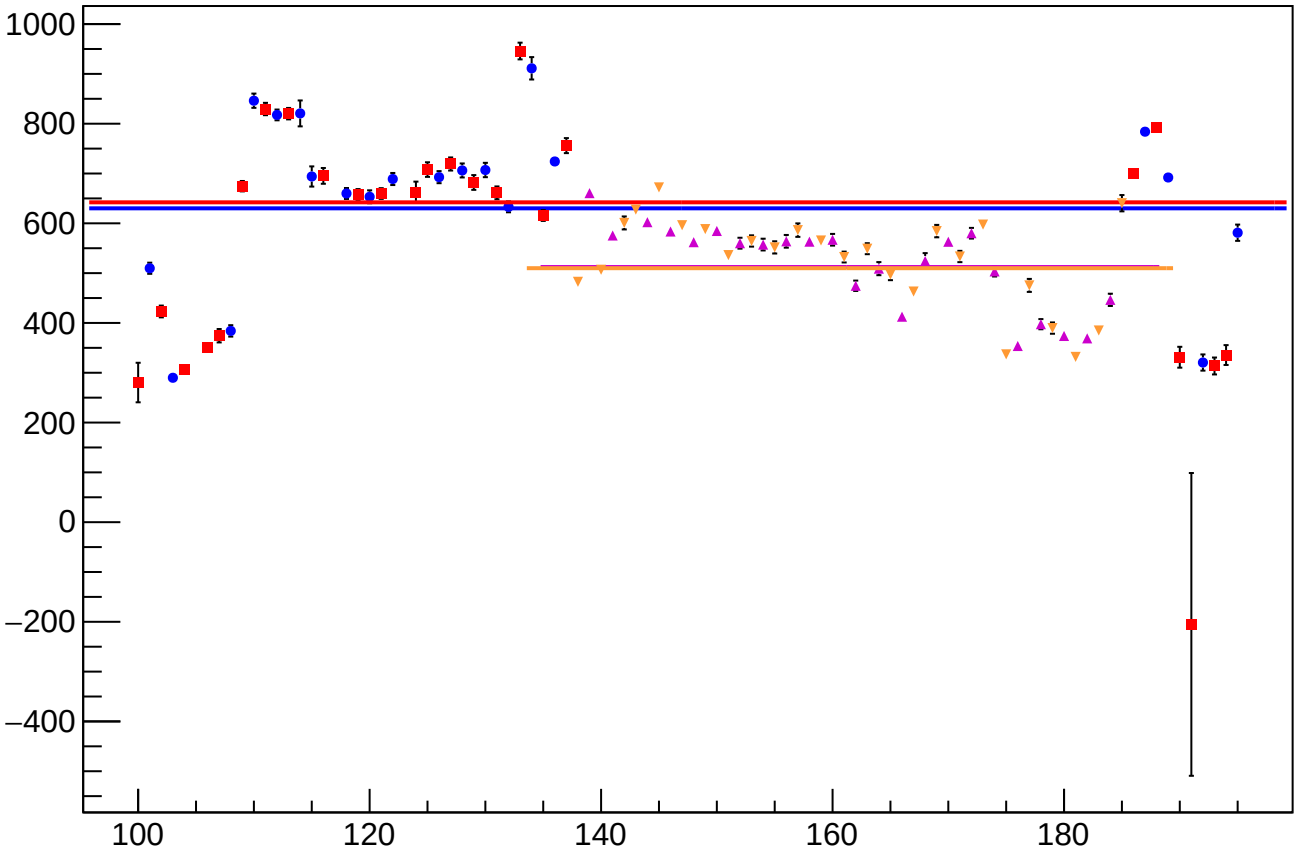
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 20.455+/-1.703 χ^2/NDF: 701.6/44

In: 2.199+/-1.283 χ^2/NDF:1073.7/42

Out: 8.245+/-1.209 χ^2/NDF:1371.4/49

All: 5.402+/-0.880 χ^2/NDF: 2456.9/92



Right In: 630.078+/-2.493 χ^2/NDF: 4778.8/19

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 642.137+/-2.078 χ^2/NDF: 7730.2/24

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

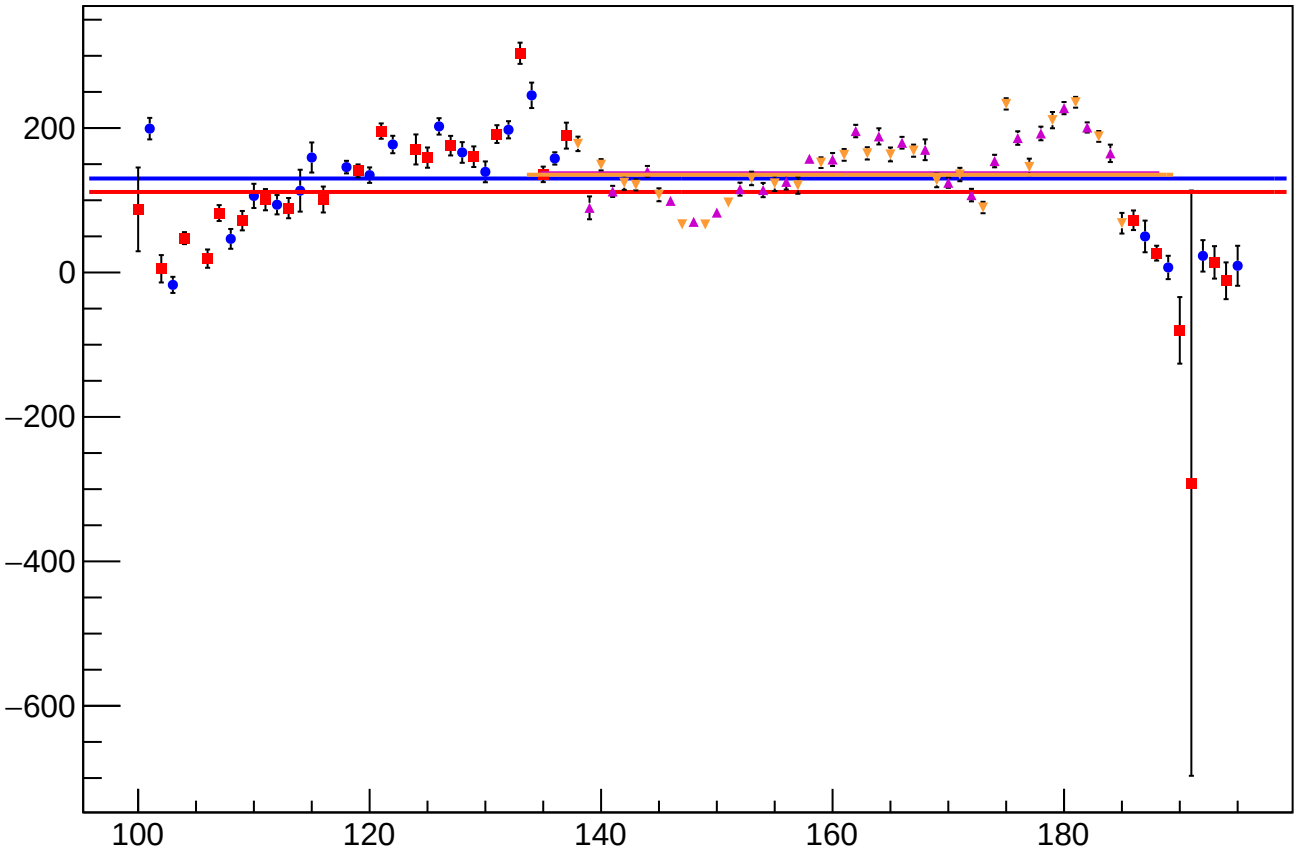
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 637.196+/-1.596 χ^2/NDF: 12522.9/44

In: 557.936+/-1.552 χ^2/NDF:8233.4/42

Out: 571.355+/-1.416 χ^2/NDF:12561.2/49

All: 565.260+/-1.046 χ^2/NDF: 20835.4/92



Right In: 130.129+/-3.015 χ^2/NDF: 510.5/19

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 111.482+/-2.757 χ^2/NDF: 664.9/24

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

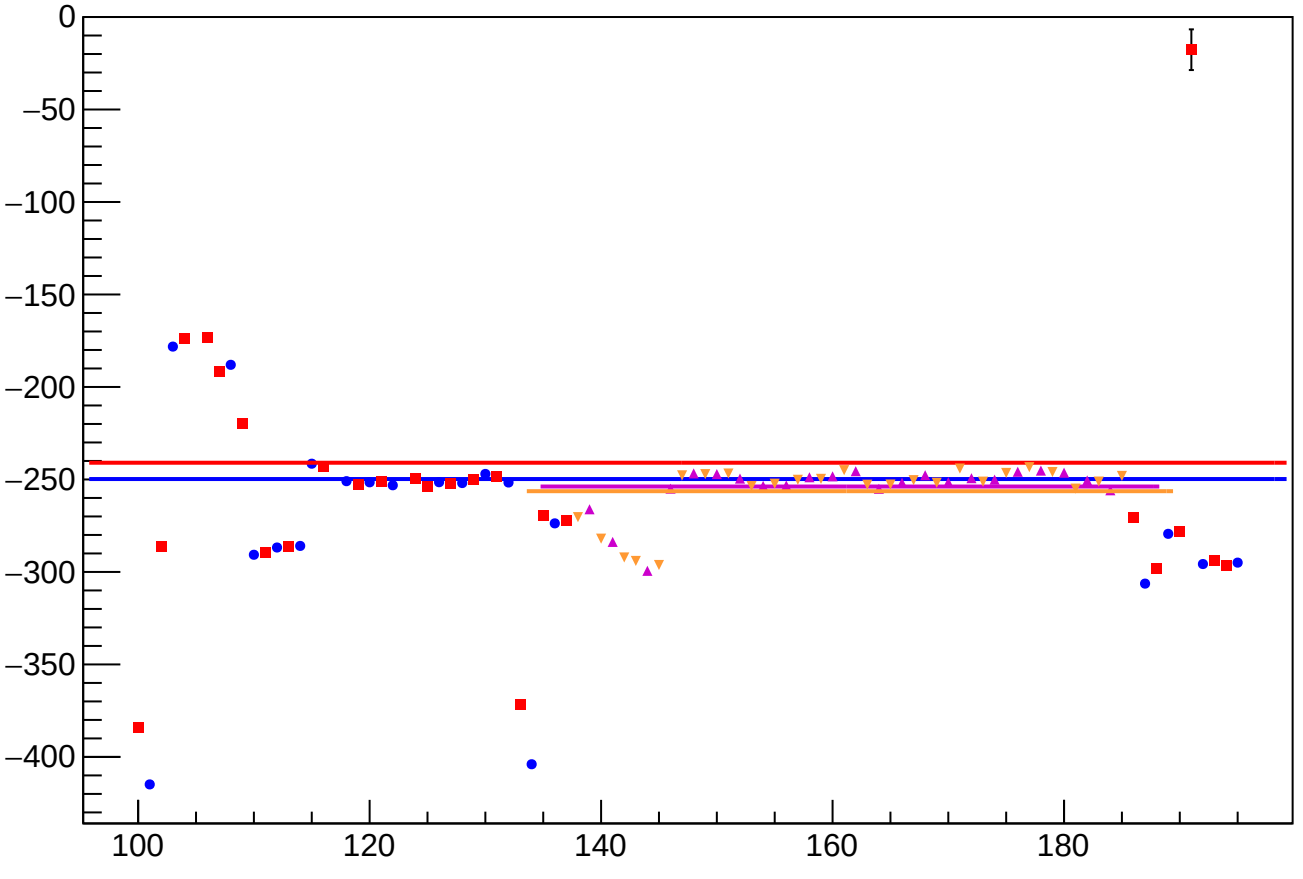
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 119.973+/-2.034 χ^2/NDF: 1196.2/44

In: 135.622+/-1.482 χ^2/NDF:1220.8/42

Out: 129.103+/-1.415 χ^2/NDF:1643.5/49

All: 132.212+/-1.023 χ^2/NDF: 2874.4/92



Right In: -249.774+/-0.151 χ^2/NDF: 185875.4/19

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -240.957+/-0.143 χ^2/NDF: 130954.1/24

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

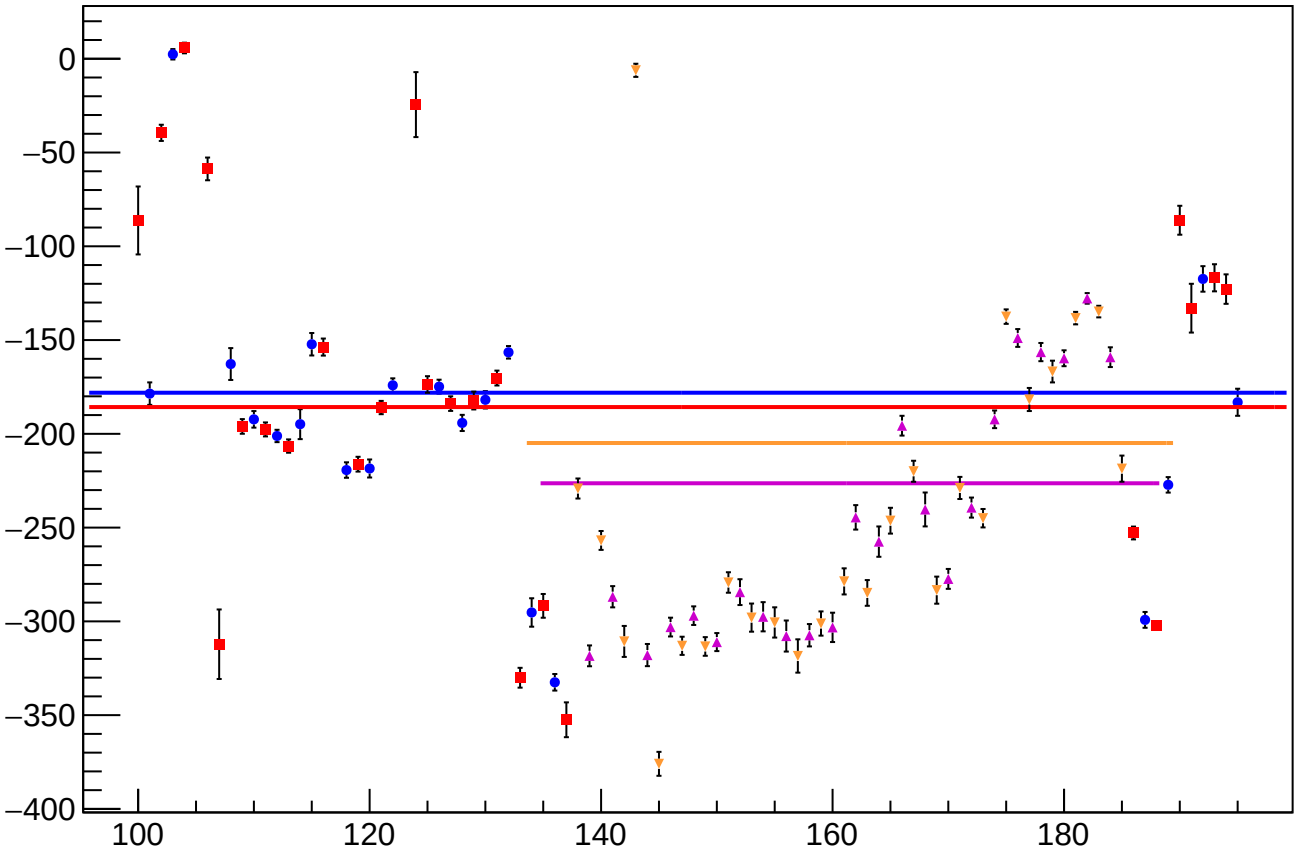
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -245.113+/-0.104 χ^2/NDF: 318622.9/44

In: -252.972+/-0.069 χ^2/NDF:210516.5/42

Out: -252.883+/-0.068 χ^2/NDF:179449.4/49

All: -252.926+/-0.048 χ^2/NDF: 389966.7/92



Right In: -178.081+/-0.990 χ^2/NDF: 7035.0/19

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -185.727+/-0.891 χ^2/NDF: 11182.7/24

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

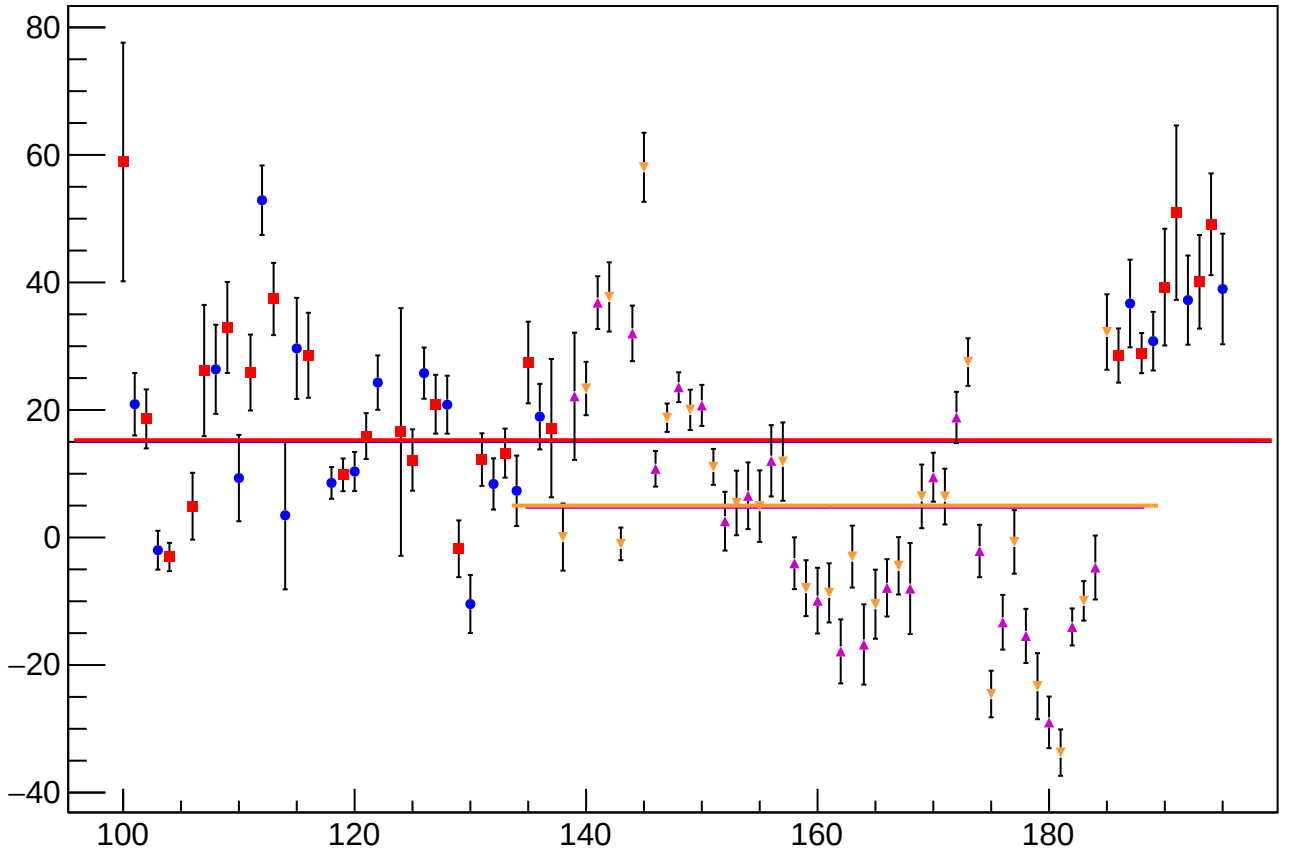
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -182.305+/-0.663 χ^2/NDF: 18250.6/44

In: -199.590+/-0.737 χ^2/NDF:12312.9/42

Out: -193.737+/-0.680 χ^2/NDF:19202.2/49

All: -196.427+/-0.500 χ^2/NDF: 31549.1/92



Right In: 15.123+/-1.018 χ^2/NDF: 187.2/19

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 15.254+/-0.936 χ^2/NDF: 205.1/24

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

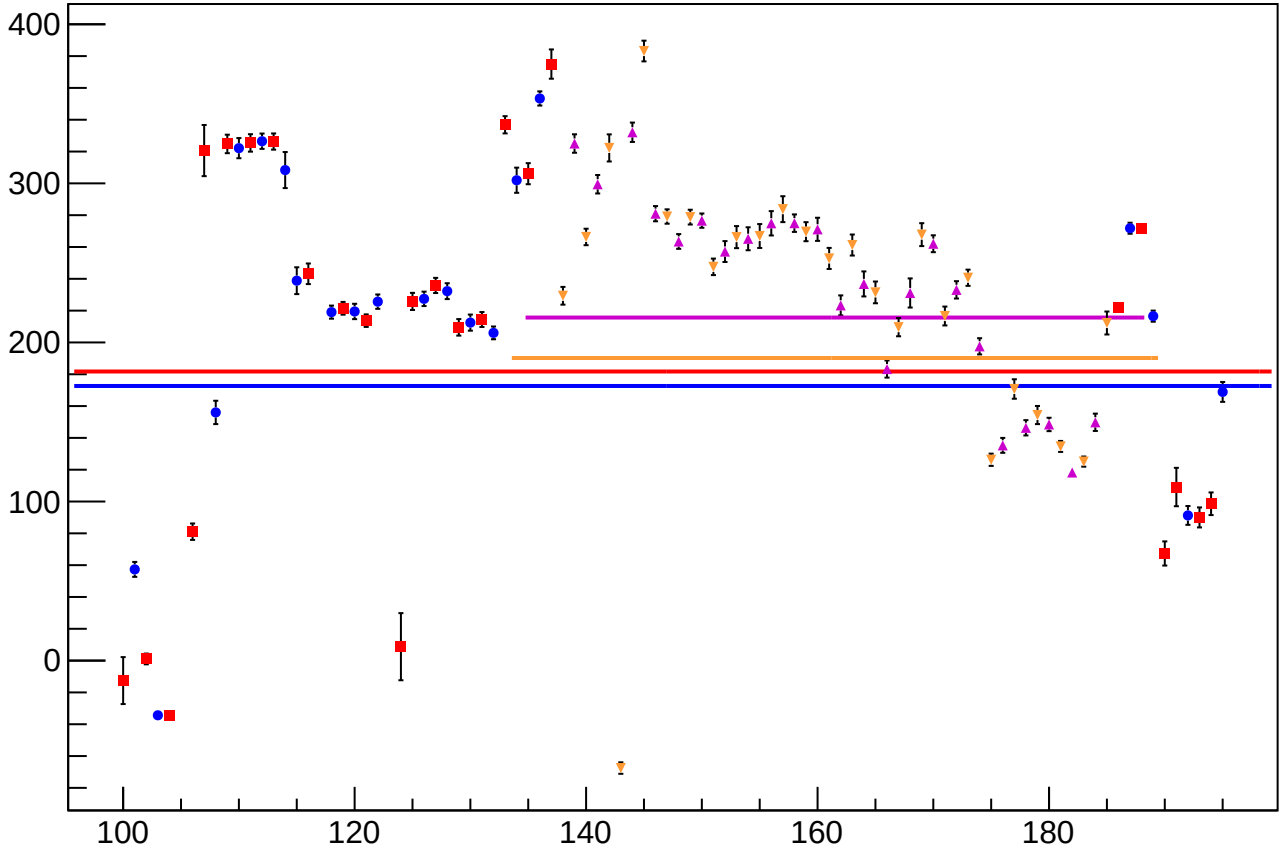
Right: 15.194+/-0.689 χ^2/NDF: 392.3/44

In: 9.019+/-0.651 χ^2/NDF:674.4/42

Out: 9.288+/-0.605 χ^2/NDF:823.3/49

All: 9.163+/-0.443 χ^2/NDF: 1497.7/92

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 172.633+/-1.005 χ^2/NDF: 15230.0/19

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 181.734+/-0.870 χ^2/NDF: 20339.5/24

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

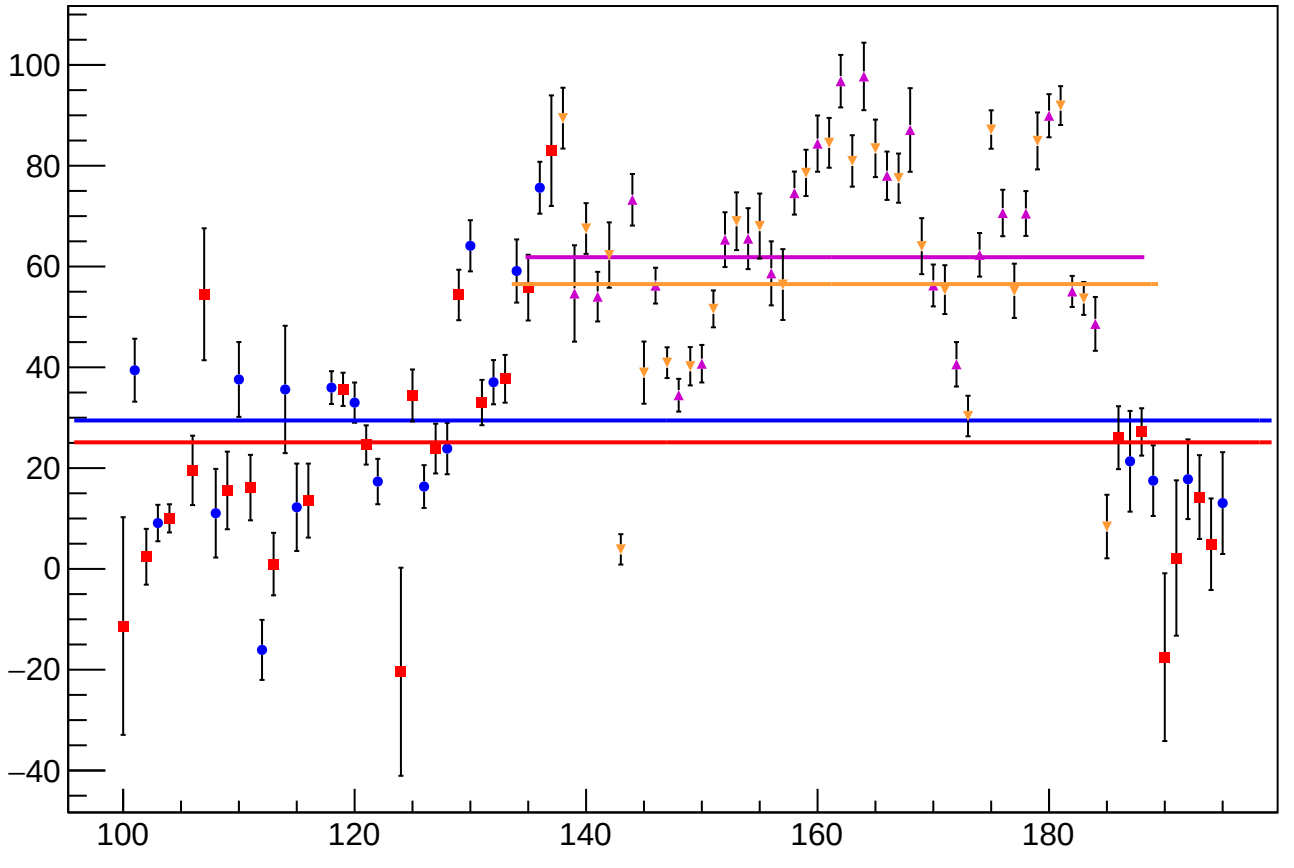
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 177.834+/-0.658 χ^2/NDF: 35616.3/44

In: 192.237+/-0.741 χ^2/NDF:19950.9/42

Out: 185.190+/-0.670 χ^2/NDF:29762.2/49

All: 188.358+/-0.497 χ^2/NDF: 49762.8/92



Right In: 29.454+/-1.203 χ^2/NDF: 286.0/19

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.115+/-1.129 χ^2/NDF: 203.9/24

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

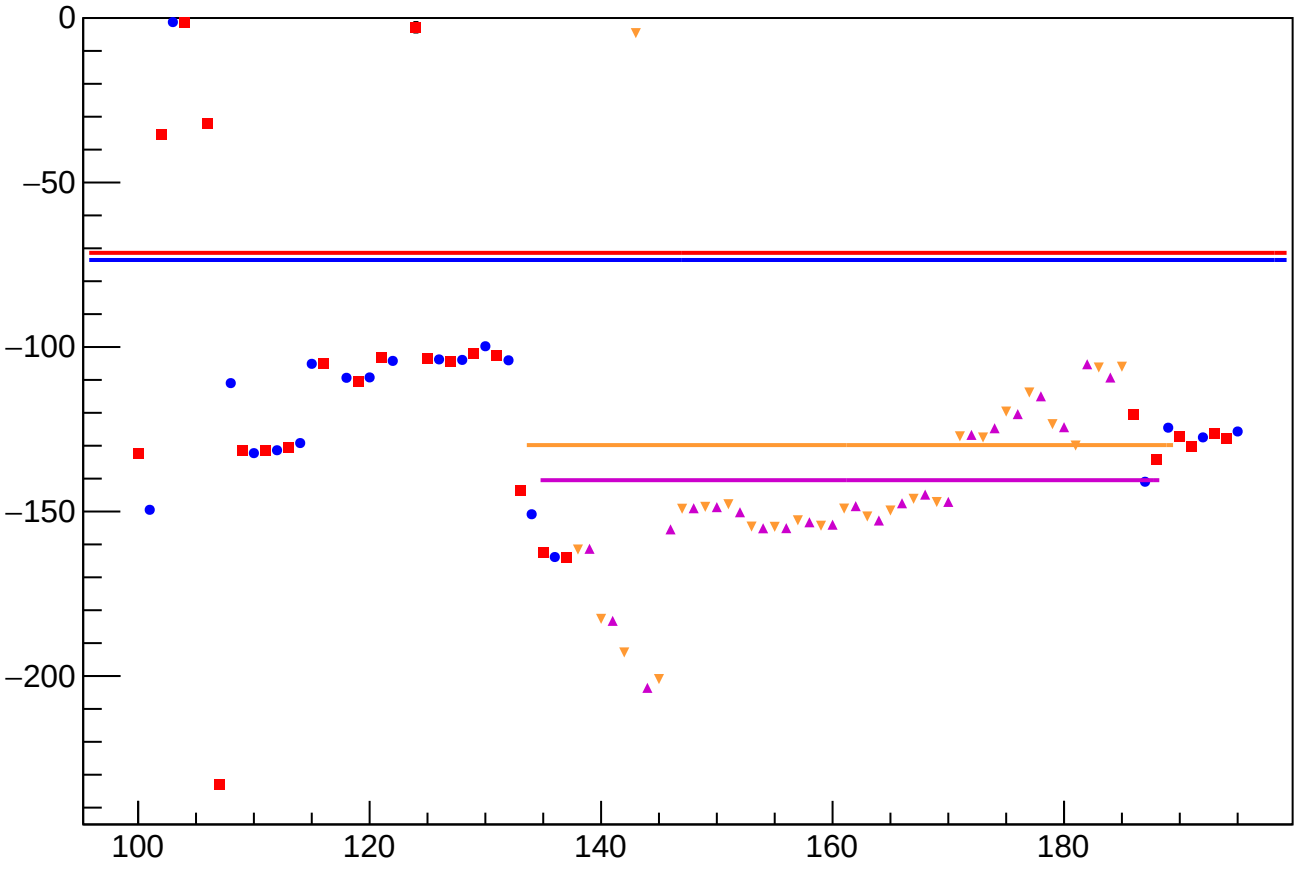
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 27.147+/-0.823 χ^2/NDF: 496.8/44

In: 49.217+/-0.751 χ^2/NDF:1049.5/42

Out: 44.162+/-0.708 χ^2/NDF:1472.1/49

All: 46.541+/-0.515 χ^2/NDF: 2545.6/92



Right In: -73.549+/-0.059 χ^2/NDF: 1180845.9/19

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -71.378+/-0.056 χ^2/NDF: 1125496.4/24

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

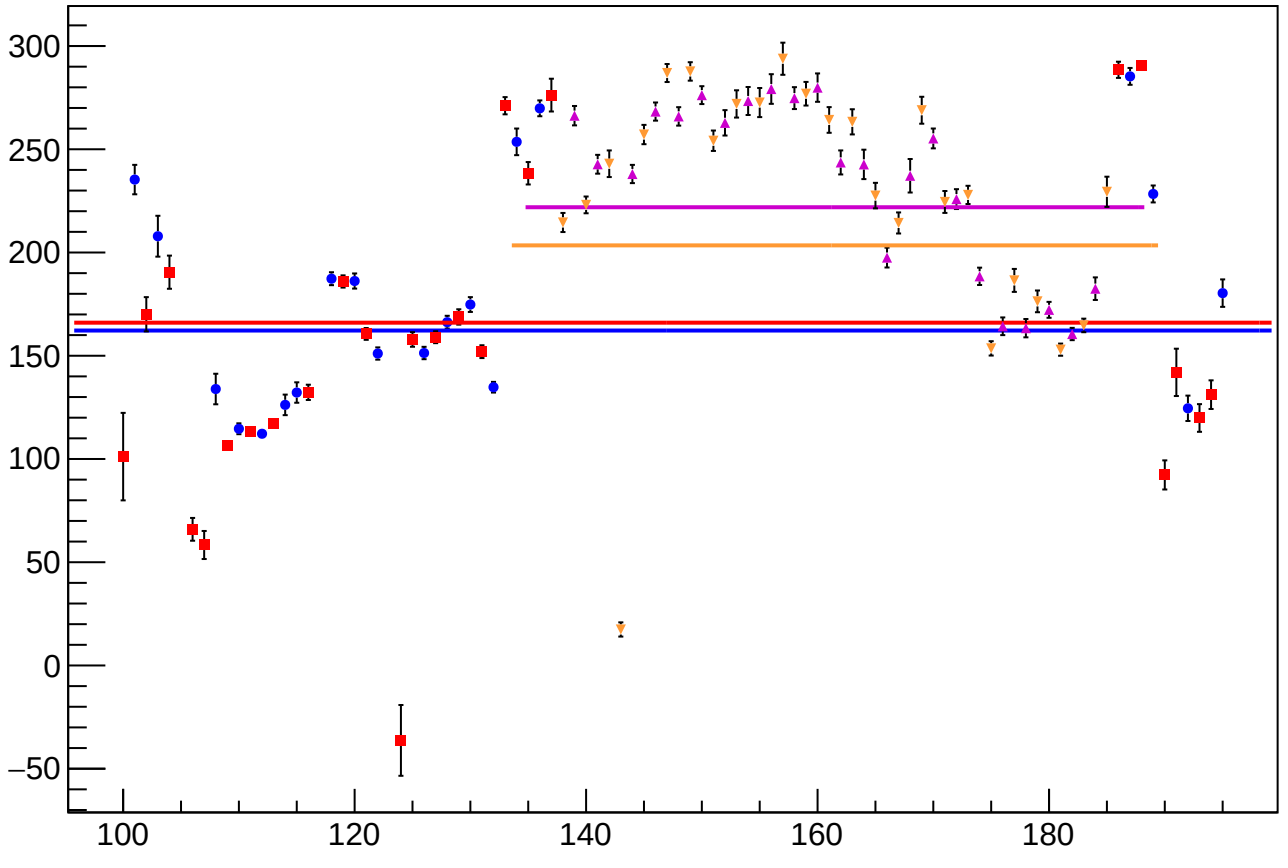
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -72.403+/-0.041 χ^2/NDF: 2307053.9/44

In: -116.854+/-0.035 χ^2/NDF:2264622.0/42

Out: -108.631+/-0.034 χ^2/NDF:2846727.1/49

All: -112.568+/-0.024 χ^2/NDF: 5139912.9/92



Right In: 162.211+/-0.819 χ^2/NDF: 3584.1/19

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 166.016+/-0.743 χ^2/NDF: 8021.6/24

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

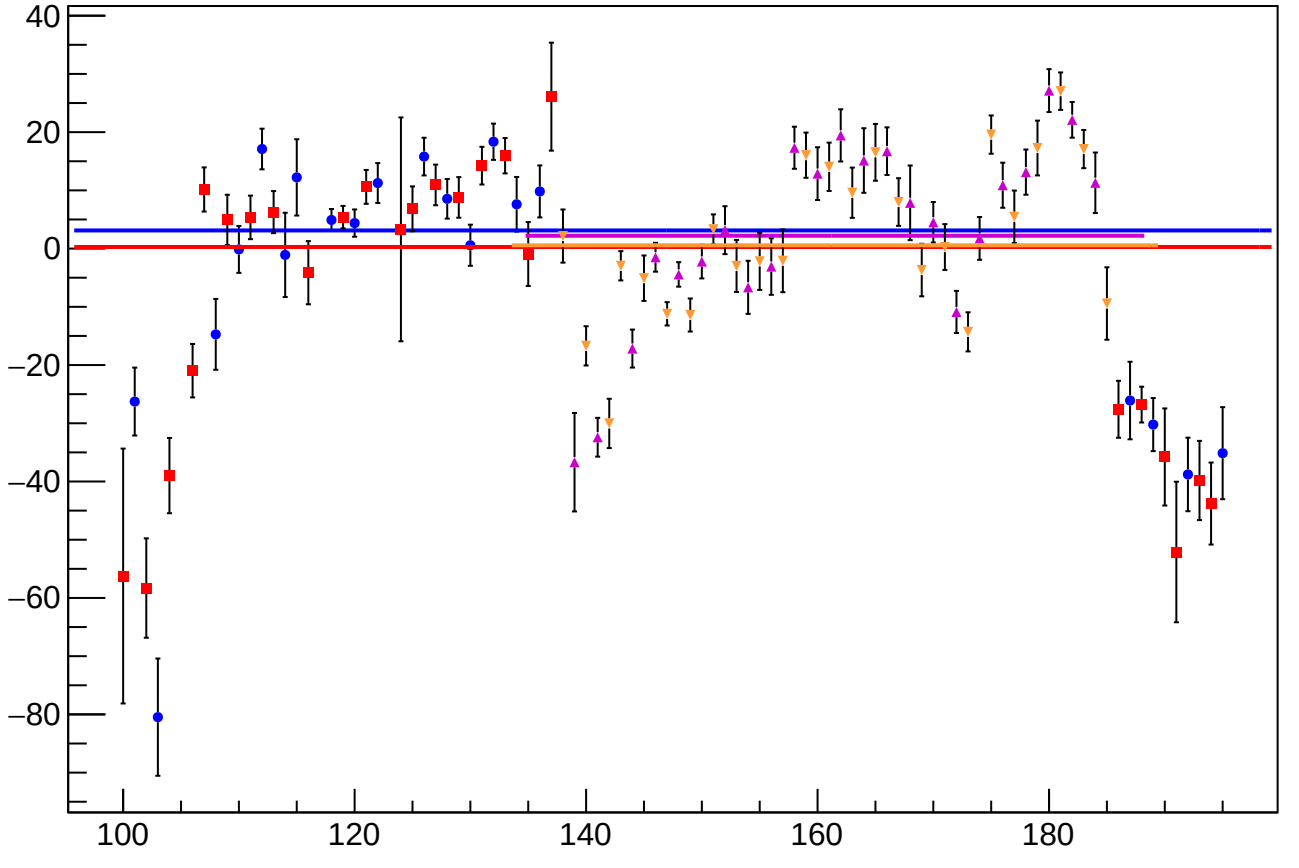
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 164.297+/-0.550 χ^2/NDF: 11617.5/44

In: 186.084+/-0.634 χ^2/NDF:7698.4/42

Out: 180.172+/-0.586 χ^2/NDF:14472.9/49

All: 182.895+/-0.430 χ^2/NDF: 22218.1/92



Right In: 3.118+/-0.853 χ^2/NDF: 314.5/19

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 0.277+/-0.823 χ^2/NDF: 437.7/24

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

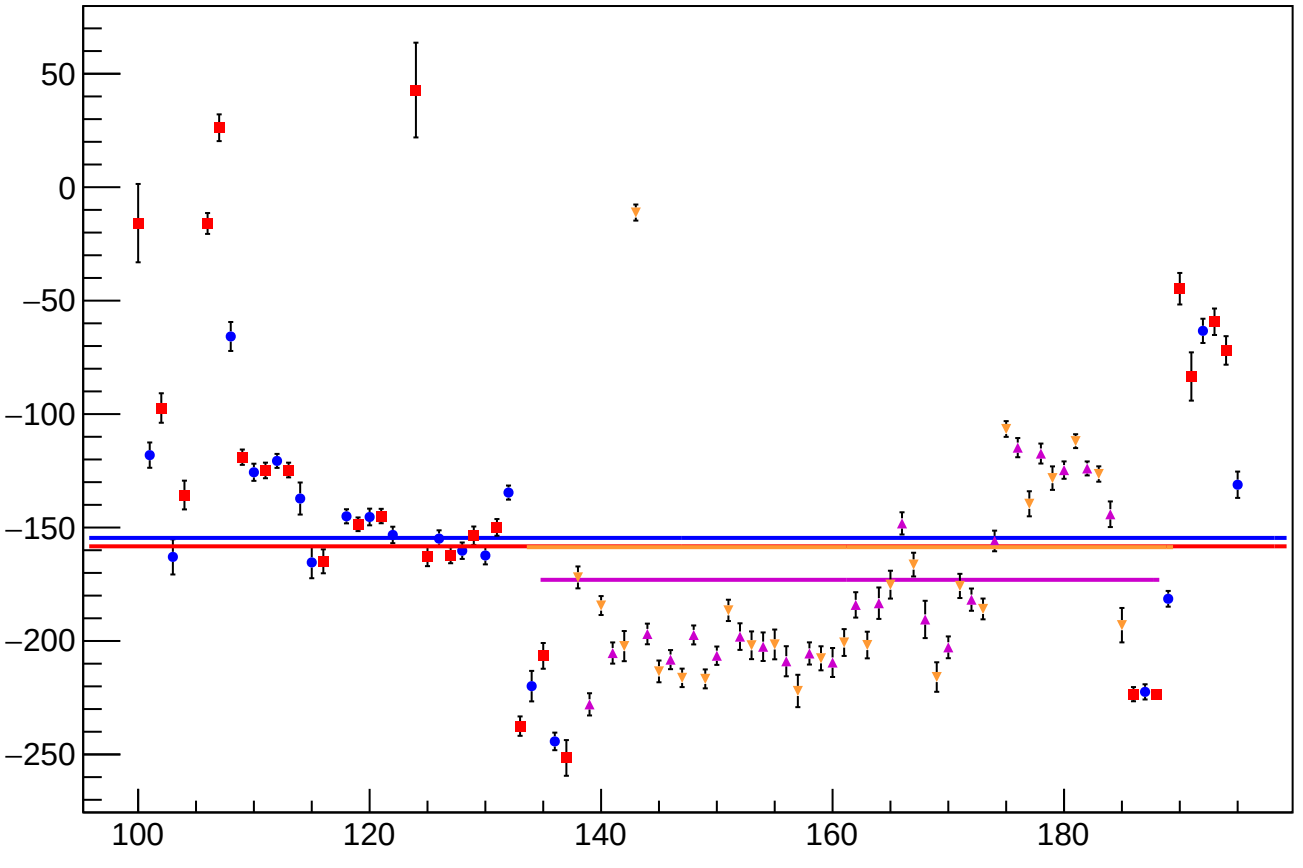
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 1.647+/-0.592 χ^2/NDF: 758.0/44

In: 2.611+/-0.568 χ^2/NDF:673.3/42

Out: 0.443+/-0.540 χ^2/NDF:783.2/49

All: 1.474+/-0.391 χ^2/NDF: 1464.2/92



Right In: -154.570+/-0.918 χ^2/NDF: 1897.1/19

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -158.280+/-0.811 χ^2/NDF: 5734.9/24

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

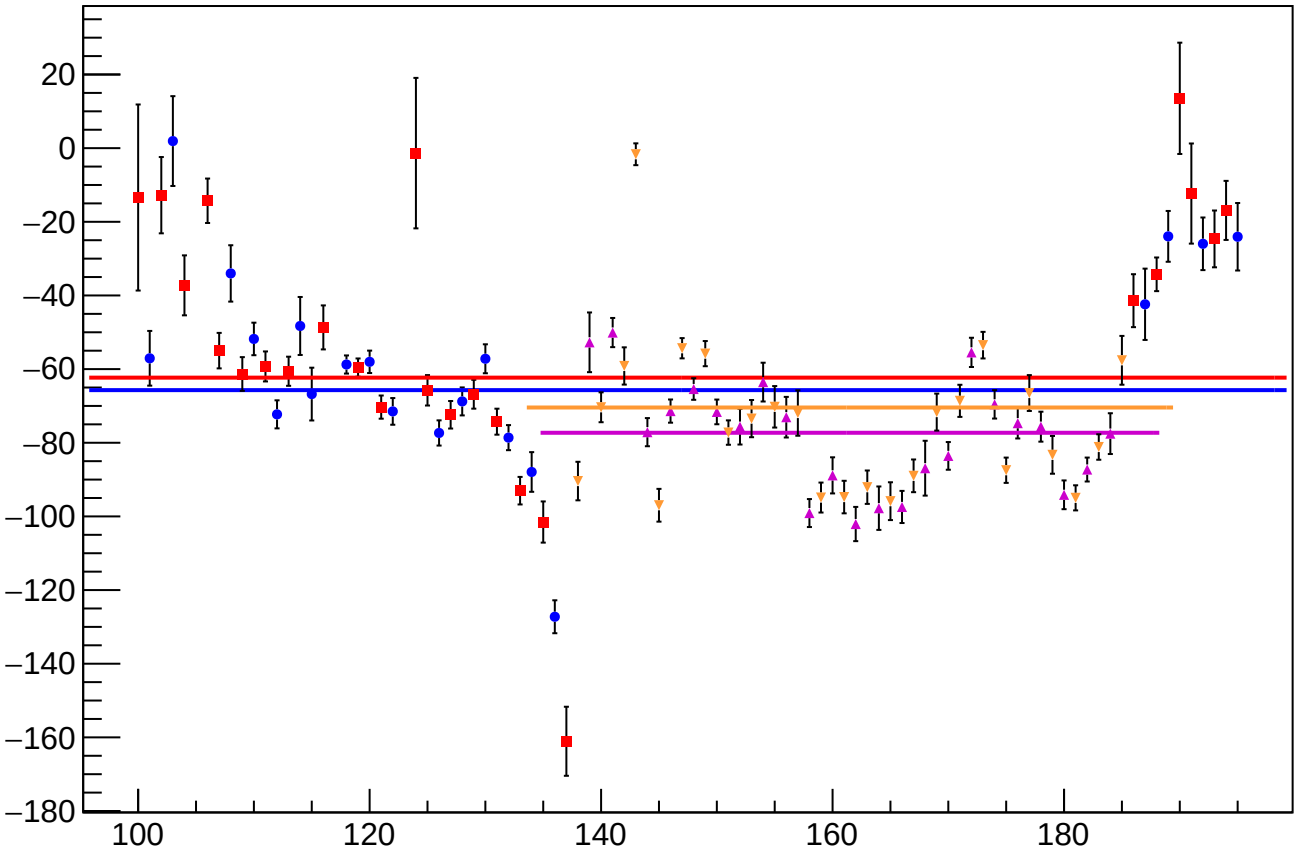
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -156.654+/-0.608 χ^2/NDF: 7641.2/44

In: -163.057+/-0.675 χ^2/NDF:3483.1/42

Out: -158.439+/-0.617 χ^2/NDF:9226.8/49

All: -160.541+/-0.455 χ^2/NDF: 12735.4/92



Right In: -65.709+/-1.000 χ^2/NDF: 415.6/19

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -62.316+/-0.970 χ^2/NDF: 513.4/24

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

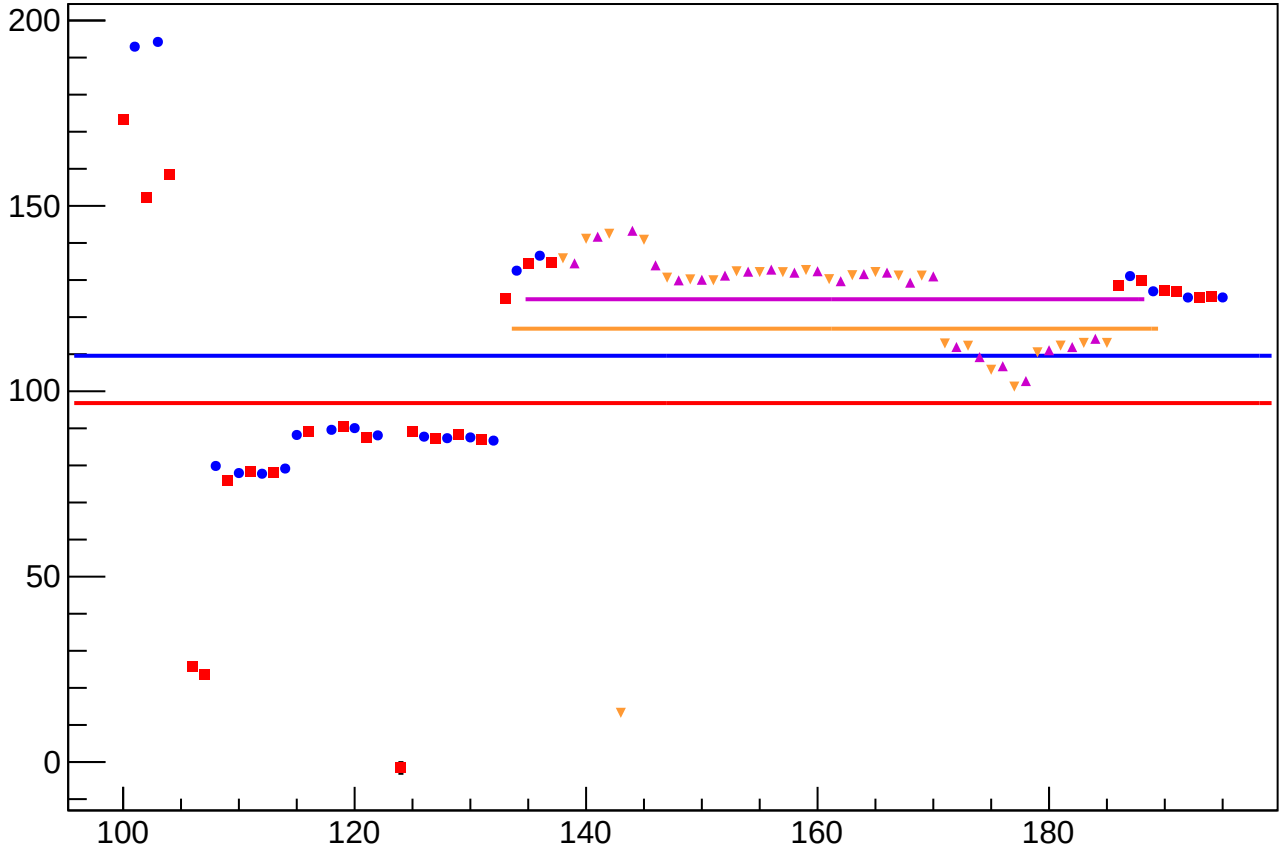
Right: -63.961+/-0.696 χ^2/NDF: 934.9/44

In: -72.327+/-0.655 χ^2/NDF:746.5/42

Out: -67.040+/-0.627 χ^2/NDF:1455.8/49

All: -69.569+/-0.453 χ^2/NDF: 2236.3/92

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 109.576+/-0.064 χ^2/NDF: 255793.1/19

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 96.814+/-0.058 χ^2/NDF: 458233.2/24

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

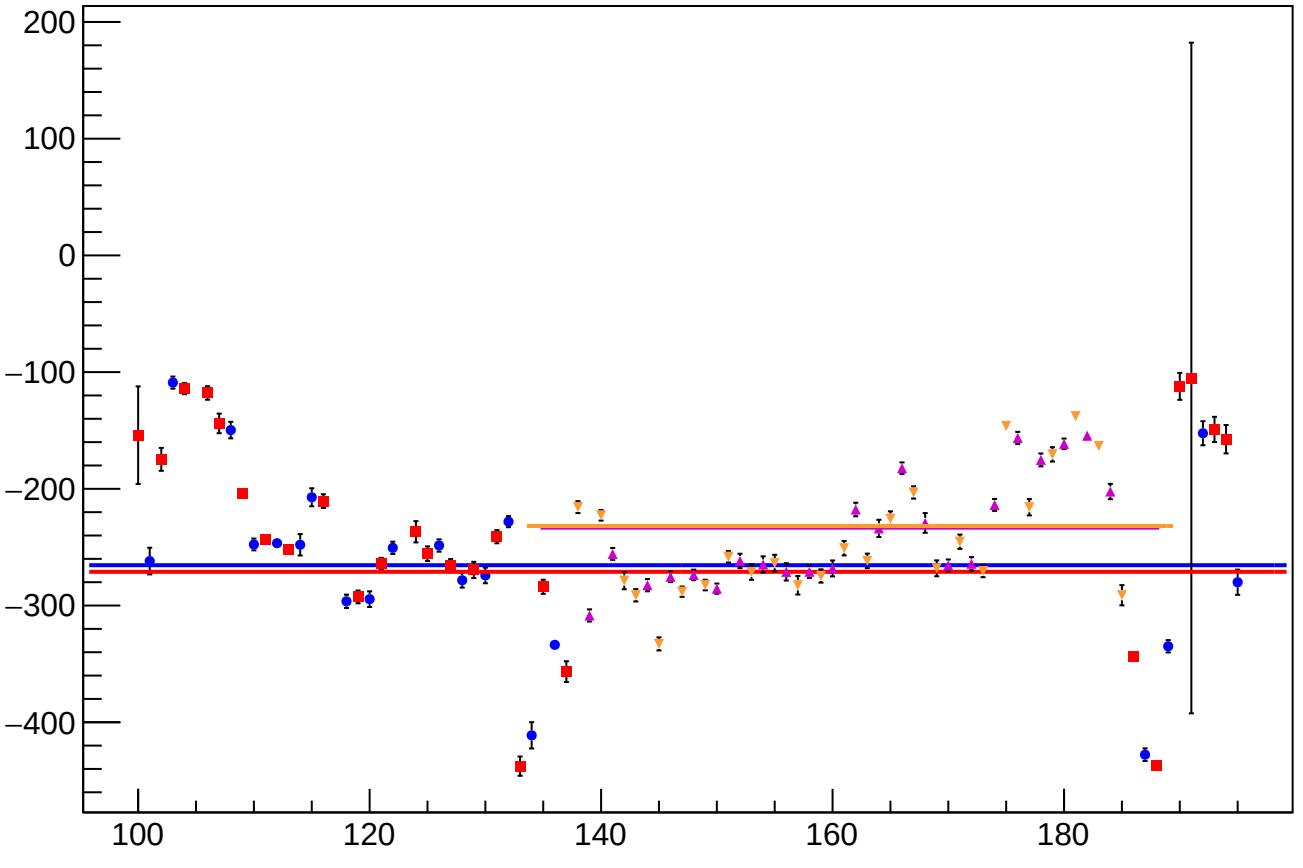
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 102.548+/-0.043 χ^2/NDF: 736155.7/44

In: 120.608+/-0.033 χ^2/NDF:385405.3/42

Out: 110.759+/-0.032 χ^2/NDF:1165976.0/49

All: 115.427+/-0.023 χ^2/NDF: 1596962.7/92



Right In: -265.434+/-1.323 χ^2/NDF: 3032.1/19

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -271.108+/-1.142 χ^2/NDF: 7182.8/24

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

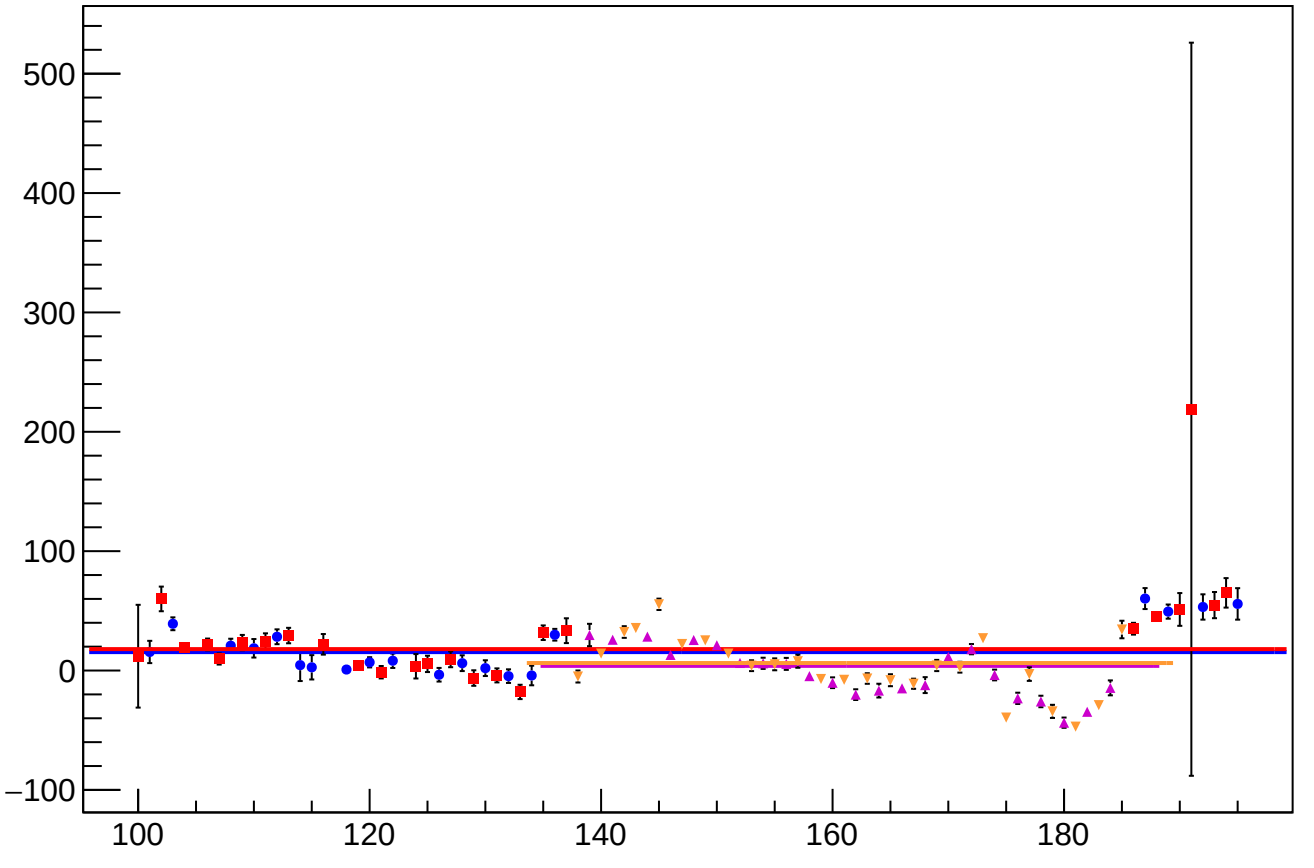
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -268.686+/-0.865 χ^2/NDF: 10225.4/44

In: -246.512+/-0.849 χ^2/NDF:5446.7/42

Out: -250.382+/-0.785 χ^2/NDF:10483.1/49

All: -248.600+/-0.576 χ^2/NDF: 15941.0/92



Right In: 15.429+/-1.389 χ^2/NDF: 175.1/19

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 17.949+/-1.233 χ^2/NDF: 223.6/24

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

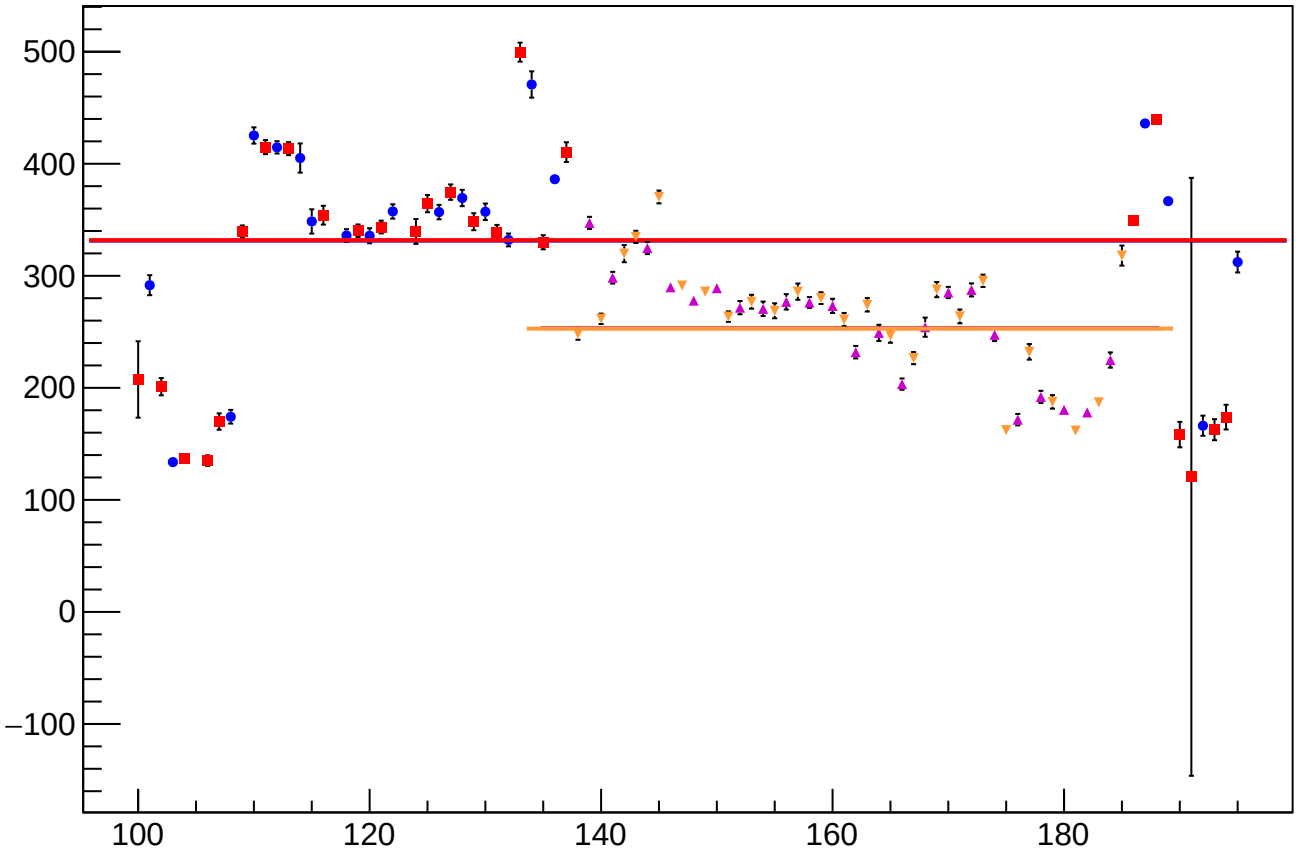
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 16.839+/-0.922 χ^2/NDF: 400.5/44

In: 6.874+/-0.705 χ^2/NDF:876.5/42

Out: 9.678+/-0.665 χ^2/NDF:1158.5/49

All: 8.359+/-0.484 χ^2/NDF: 2043.4/92



Right In: 331.391+/-1.383 χ^2/NDF: 4810.8/19

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 331.805+/-1.143 χ^2/NDF: 9052.8/24

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

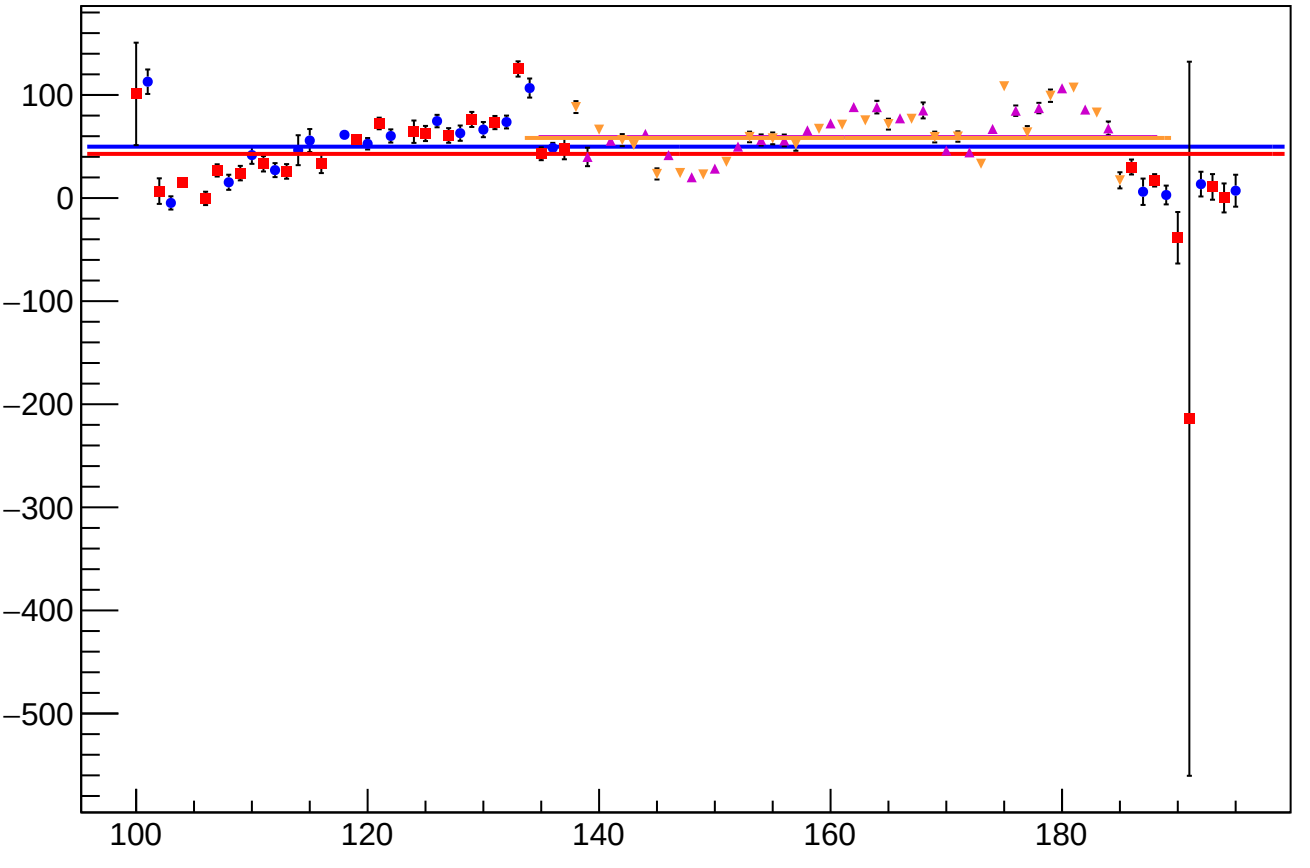
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 331.637+/-0.881 χ^2/NDF: 13863.7/44

In: 283.305+/-0.858 χ^2/NDF:8835.1/42

Out: 289.754+/-0.781 χ^2/NDF:14171.0/49

All: 286.829+/-0.578 χ^2/NDF: 23037.0/92



Right In: 49.851+/-1.631 χ^2/NDF: 276.7/19

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 42.838+/-1.485 χ^2/NDF: 379.7/24

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

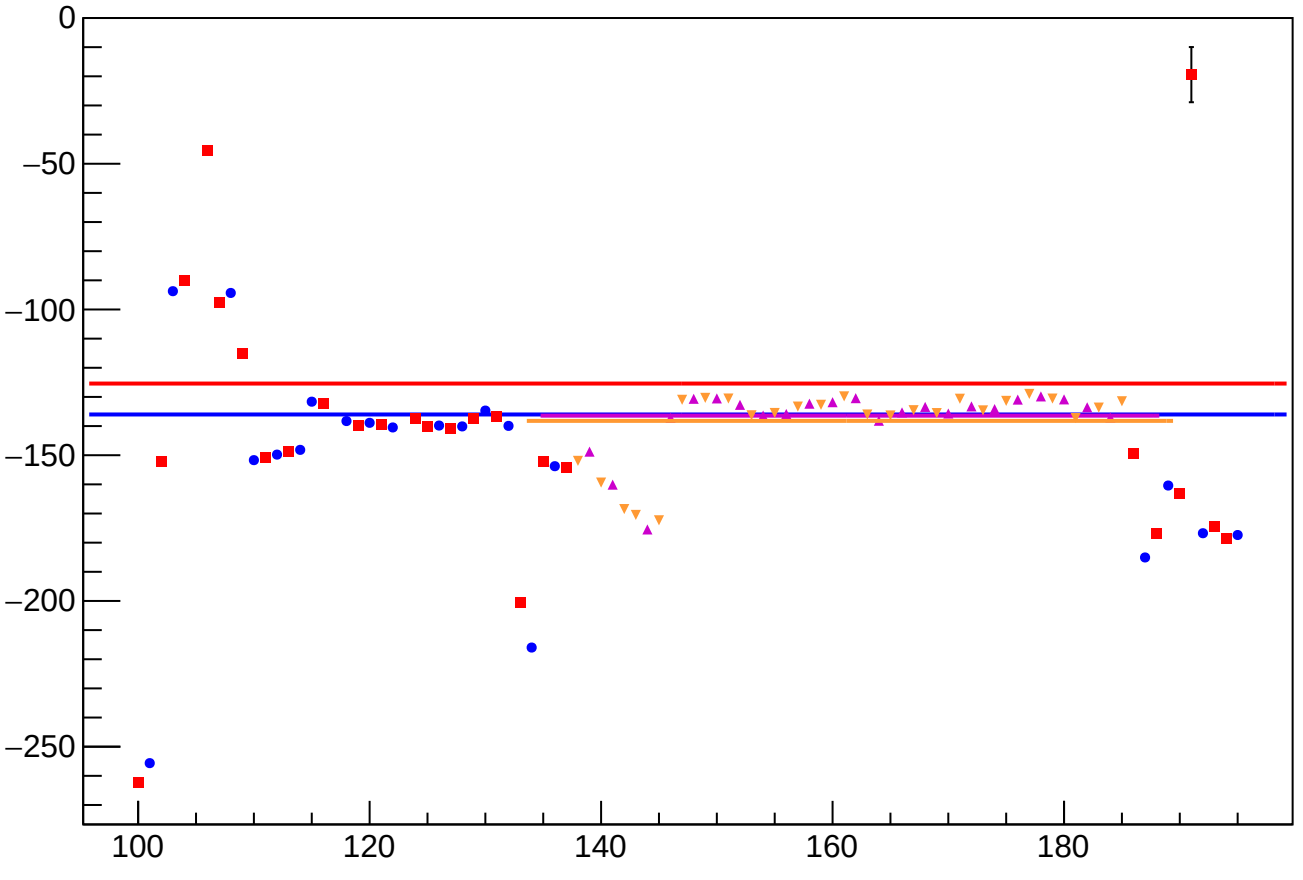
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 46.015+/-1.098 χ^2/NDF: 666.6/44

In: 56.839+/-0.813 χ^2/NDF:933.6/42

Out: 54.072+/-0.777 χ^2/NDF:1308.8/49

All: 55.392+/-0.562 χ^2/NDF: 2248.4/92



Right In: -136.021+/-0.085 χ^2/NDF: 205339.9/19

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -125.412+/-0.078 χ^2/NDF: 281900.4/24

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

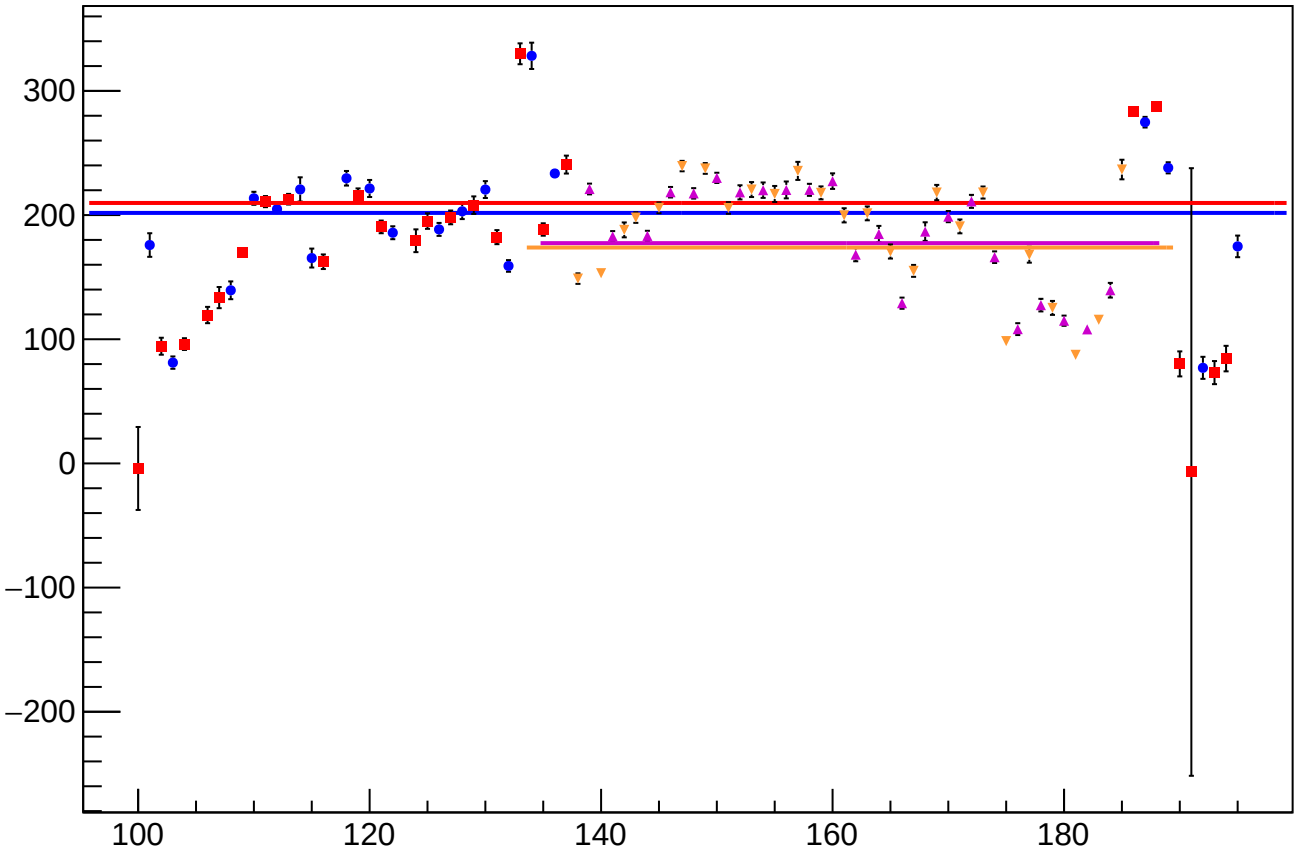
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -130.290+/-0.057 χ^2/NDF: 495717.4/44

In: -136.346+/-0.038 χ^2/NDF:255151.3/42

Out: -135.294+/-0.037 χ^2/NDF:384459.4/49

All: -135.807+/-0.027 χ^2/NDF: 639998.5/92



Right In: 201.746+/-1.255 χ^2/NDF: 1626.7/19

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 209.755+/-1.075 χ^2/NDF: 3703.9/24

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

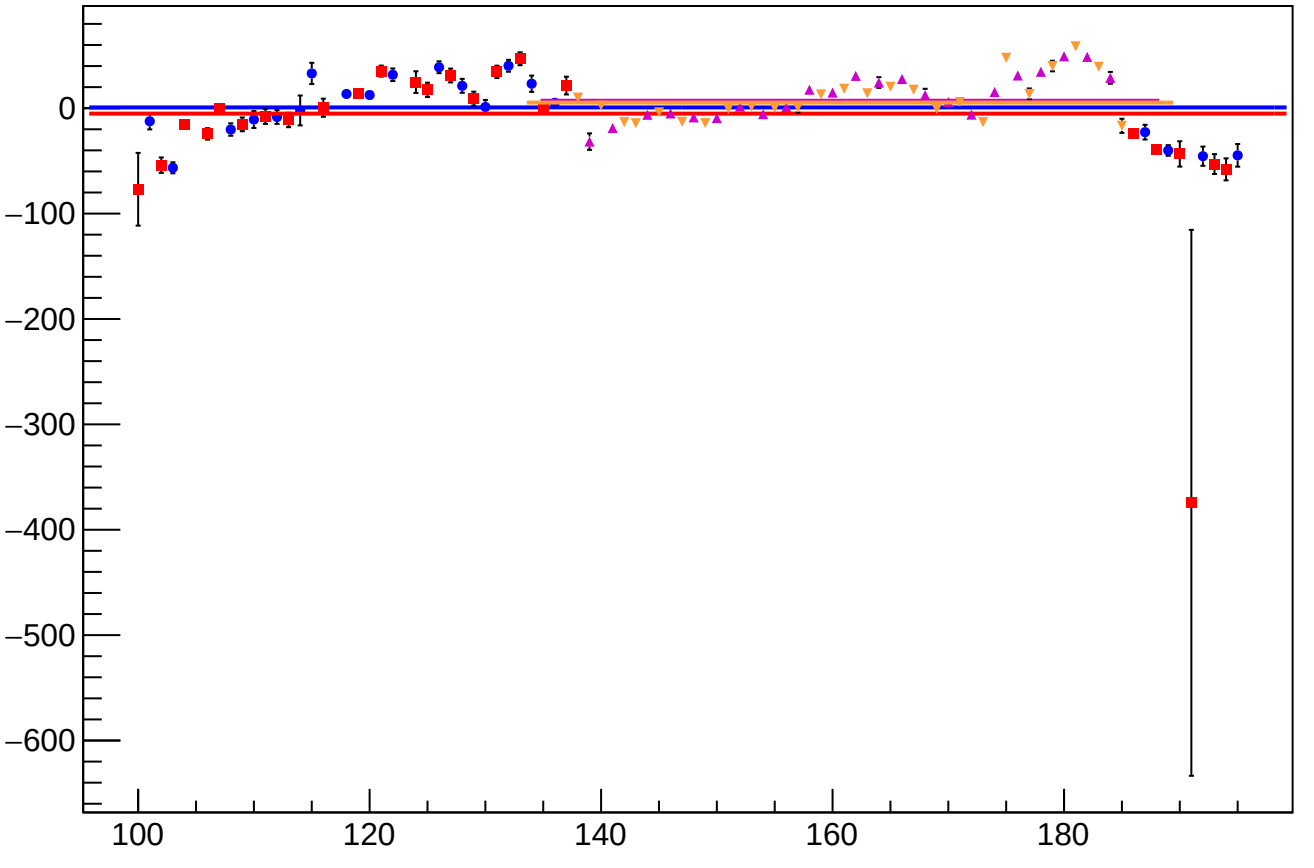
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 206.364+/-0.816 χ^2/NDF: 5354.0/44

In: 186.808+/-0.780 χ^2/NDF:3820.7/42

Out: 189.821+/-0.717 χ^2/NDF:6950.3/49

All: 188.441+/-0.528 χ^2/NDF: 10779.1/92



Right In: 0.741+/-1.335 χ^2/NDF: 432.3/19

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -5.151+/-1.180 χ^2/NDF: 539.0/24

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

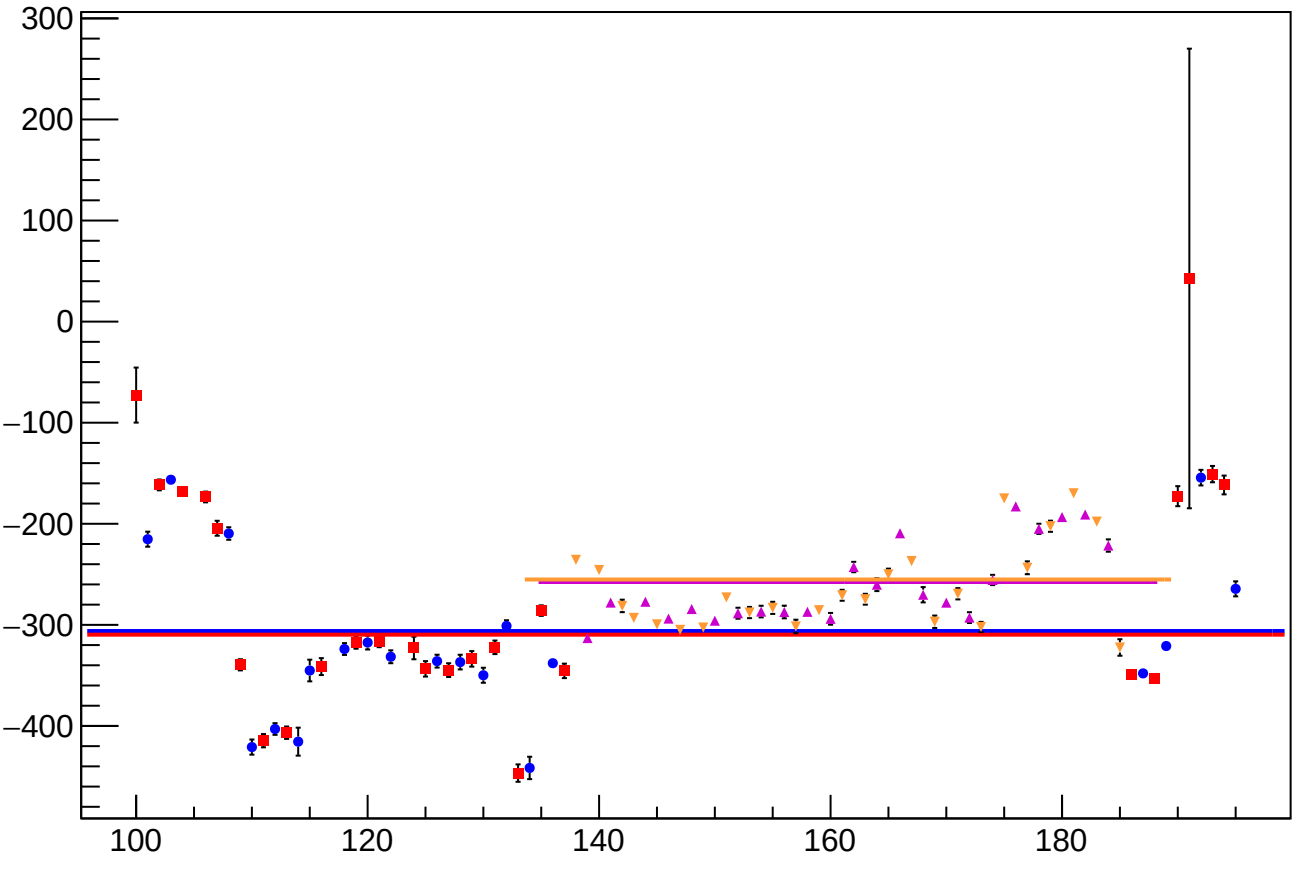
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -2.567+/-0.884 χ^2/NDF: 982.3/44

In: 5.572+/-0.648 χ^2/NDF:1159.1/42

Out: 2.565+/-0.609 χ^2/NDF:1407.3/49

All: 3.974+/-0.444 χ^2/NDF: 2577.8/92



Right In: -306.096+/-1.275 χ^2/NDF: 3363.9/19

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -309.700+/-1.042 χ^2/NDF: 5600.8/24

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

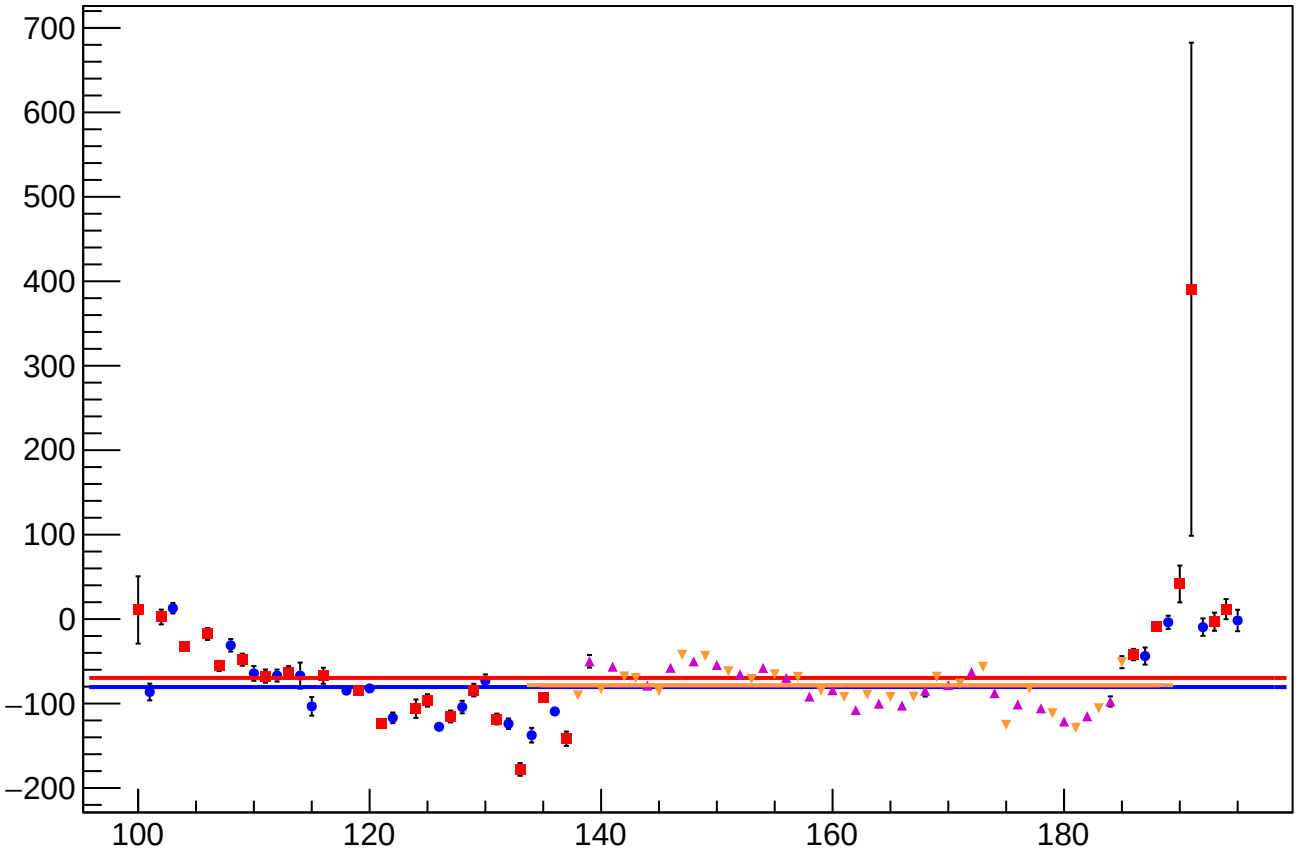
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -308.256+/-0.807 χ^2/NDF: 8969.5/44

In: -275.719+/-0.779 χ^2/NDF:6077.9/42

Out: -280.063+/-0.705 χ^2/NDF:9434.1/49

All: -278.109+/-0.523 χ^2/NDF: 15529.1/92



Right In: -80.515+/-1.568 χ^2/NDF: 729.0/19

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -69.669+/-1.429 χ^2/NDF: 1019.7/24

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

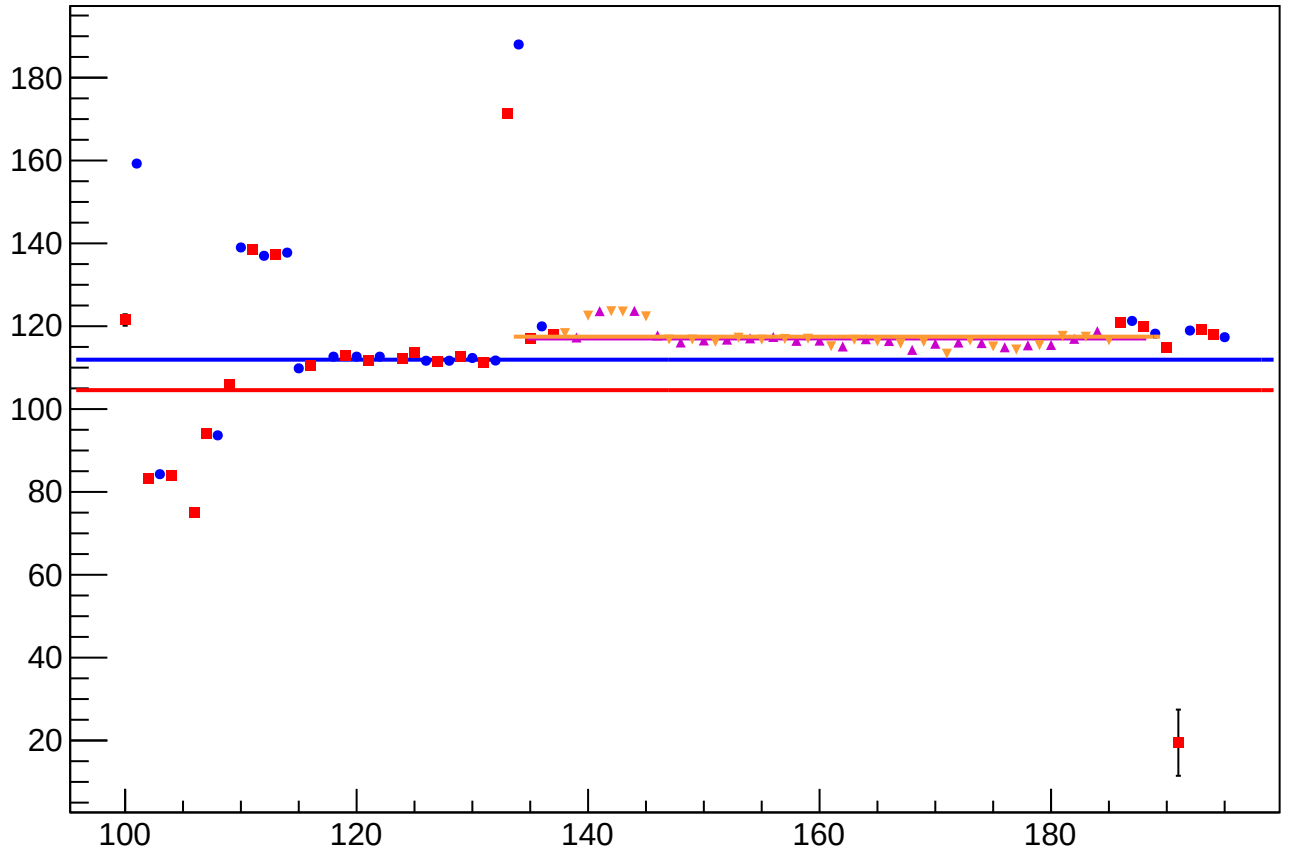
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -74.592+/-1.056 χ^2/NDF: 1774.8/44

In: -79.395+/-0.746 χ^2/NDF:1432.3/42

Out: -76.162+/-0.710 χ^2/NDF:1915.3/49

All: -77.699+/-0.515 χ^2/NDF: 3357.4/92



Right In: 111.923+/-0.079 χ^2/NDF: 84935.1/19

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 104.567+/-0.072 χ^2/NDF: 72255.6/24

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

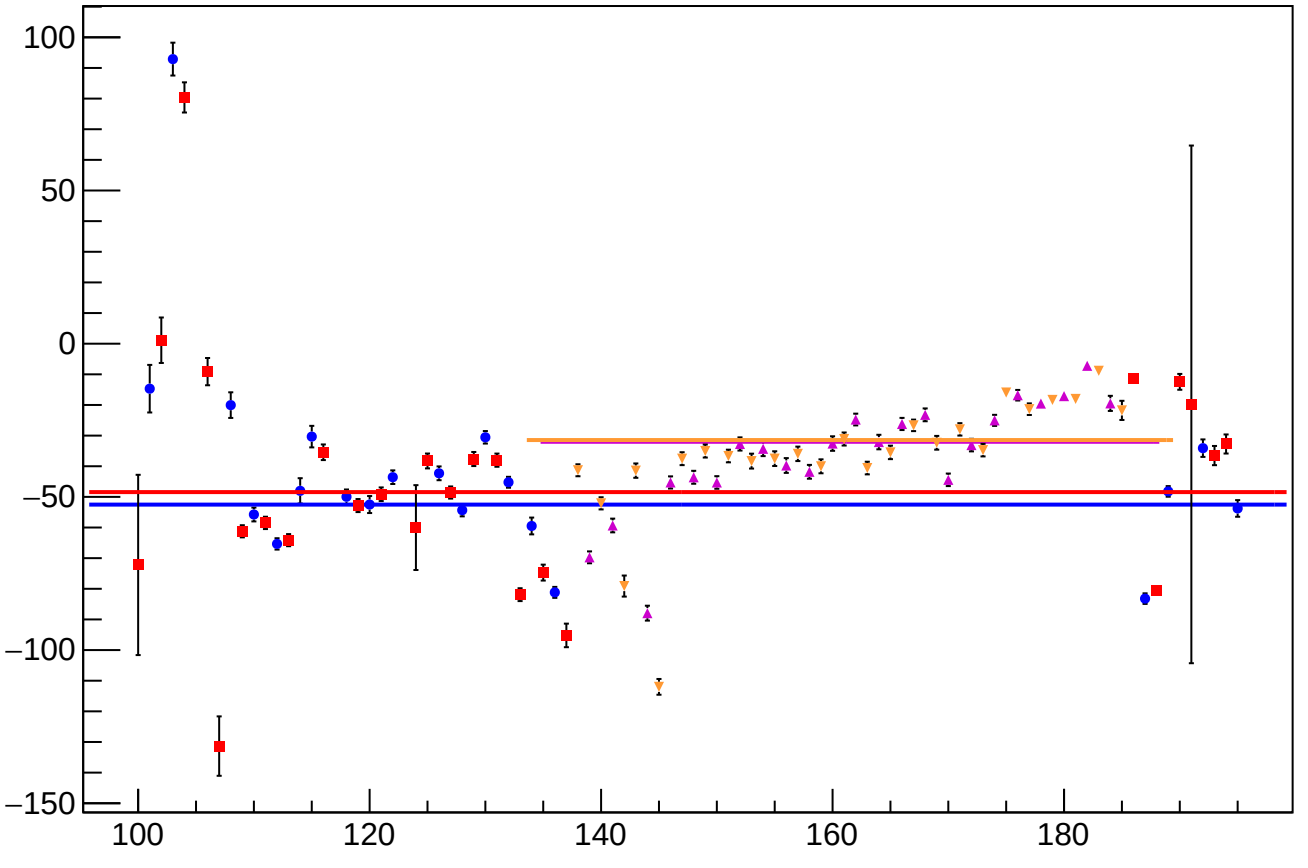
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 107.942+/-0.053 χ^2/NDF: 161919.6/44

In: 116.052+/-0.035 χ^2/NDF:91694.9/42

Out: 114.691+/-0.034 χ^2/NDF:101886.4/49

All: 115.352+/-0.024 χ^2/NDF: 194374.2/92



Right In: -52.522+/-0.526 χ^2/NDF: 1708.1/19

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -48.438+/-0.448 χ^2/NDF: 4118.9/24

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

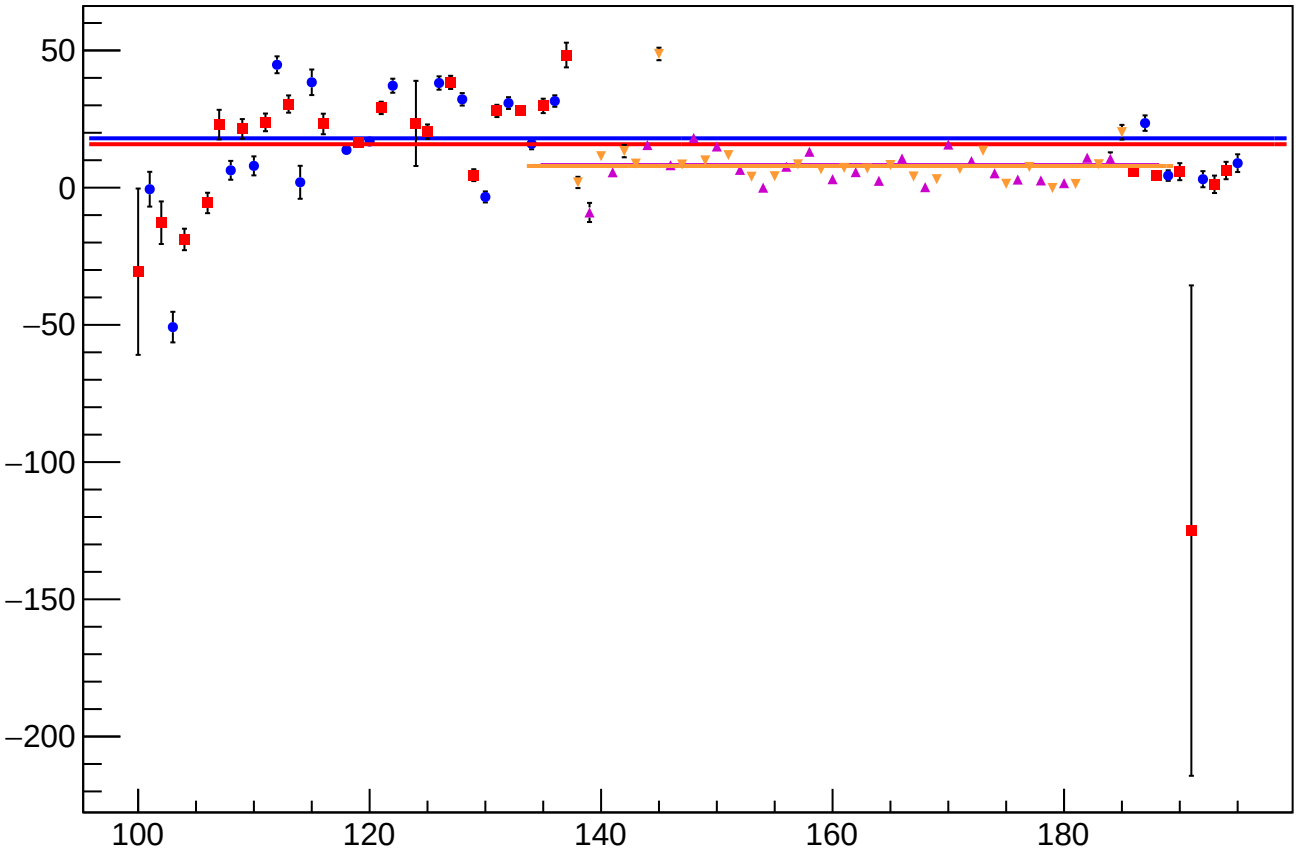
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -50.155+/-0.341 χ^2/NDF: 5862.0/44

In: -39.745+/-0.323 χ^2/NDF:4568.6/42

Out: -38.966+/-0.298 χ^2/NDF:6913.3/49

All: -39.324+/-0.219 χ^2/NDF: 11485.0/92



Right In: 17.983+/-0.552 χ^2/NDF: 735.3/19

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.830+/-0.500 χ^2/NDF: 660.3/24

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

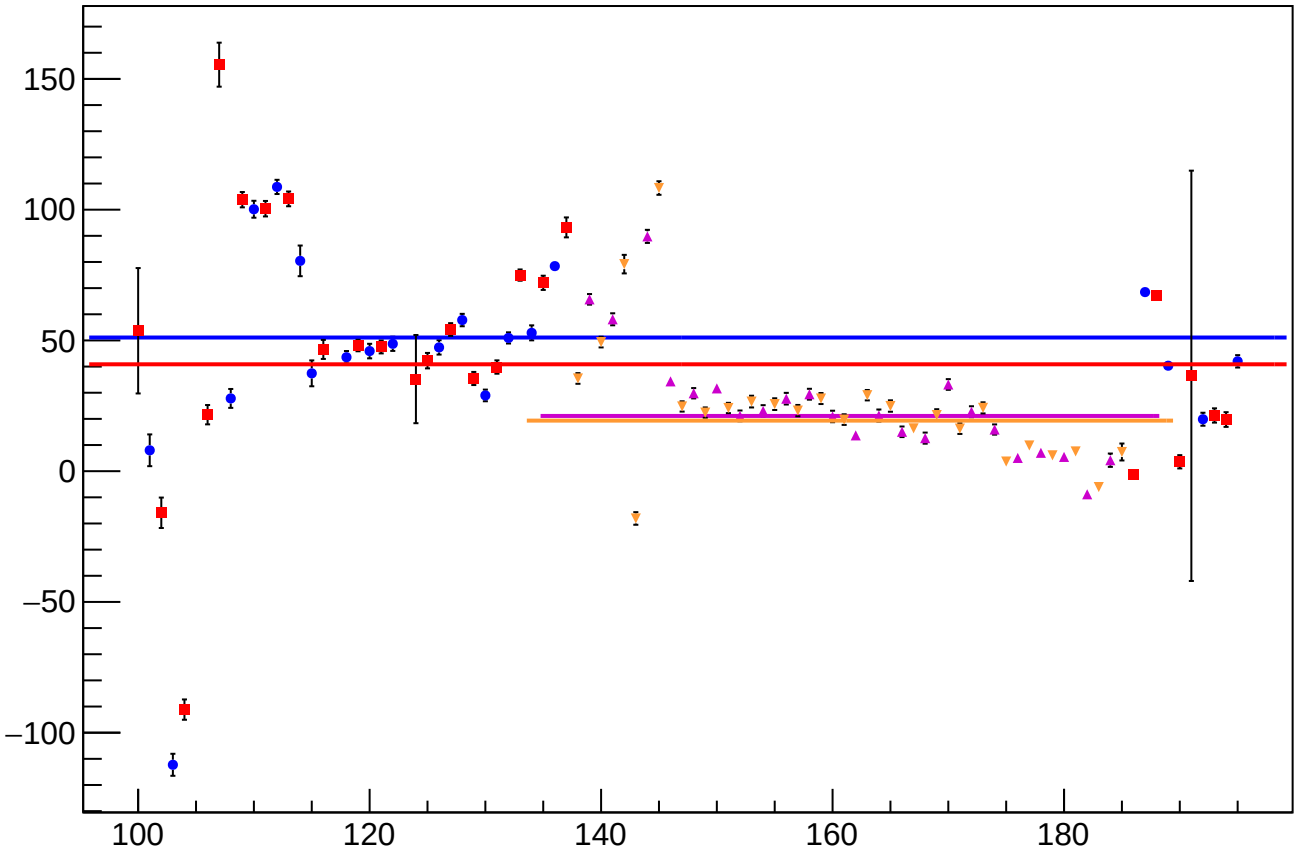
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 16.799+/-0.371 χ^2/NDF: 1404.0/44

In: 10.625+/-0.274 χ^2/NDF:1309.6/42

Out: 10.039+/-0.260 χ^2/NDF:1334.9/49

All: 10.316+/-0.188 χ^2/NDF: 2646.9/92



Right In: 51.114+/-0.545 χ^2/NDF: 3041.1/19

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 40.873+/-0.431 χ^2/NDF: 7355.3/24

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

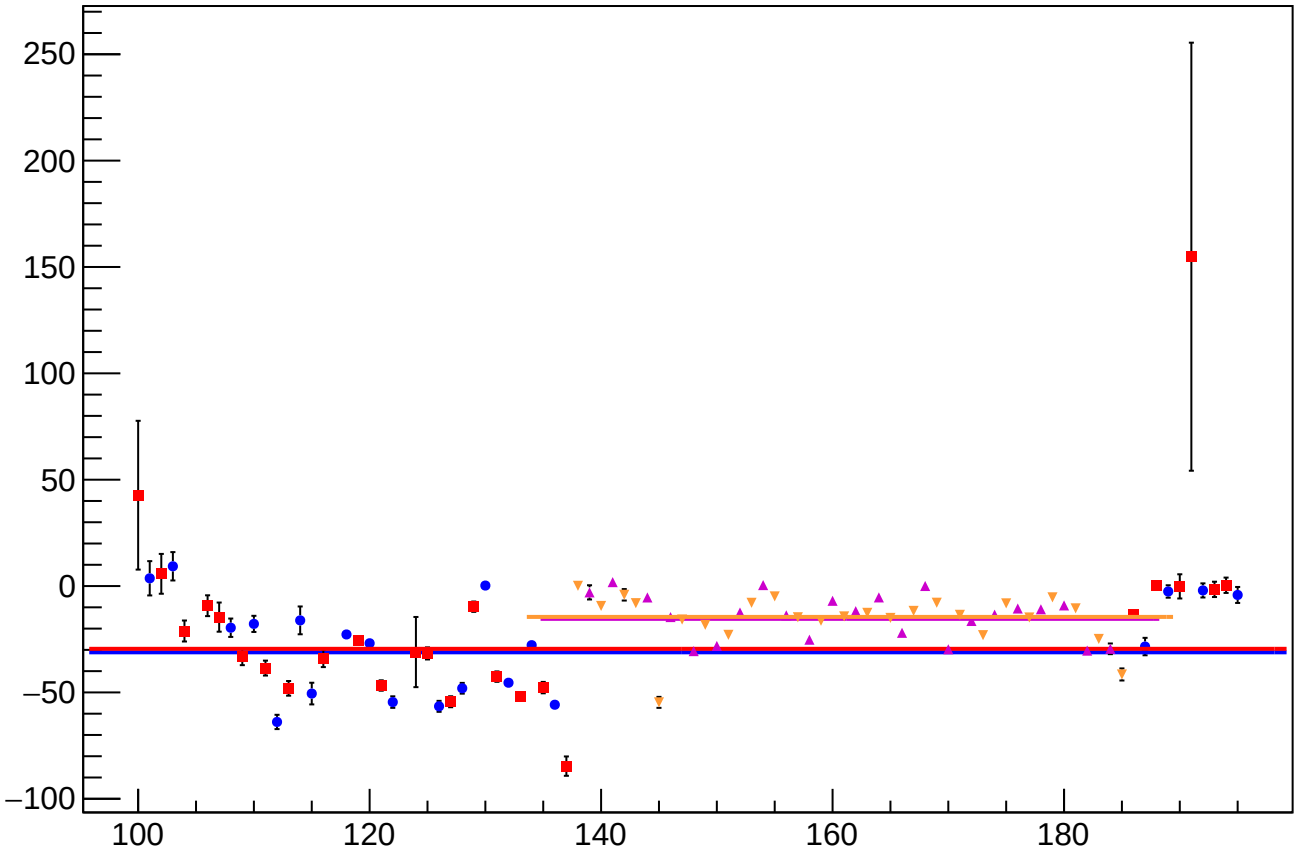
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 44.816+/-0.338 χ^2/NDF: 10613.3/44

In: 31.780+/-0.325 χ^2/NDF:7496.5/42

Out: 29.176+/-0.292 χ^2/NDF:11391.4/49

All: 30.337+/-0.217 χ^2/NDF: 18923.5/92



Right In: -31.151+/-0.648 χ^2/NDF: 1029.7/19

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -29.505+/-0.613 χ^2/NDF: 1101.4/24

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

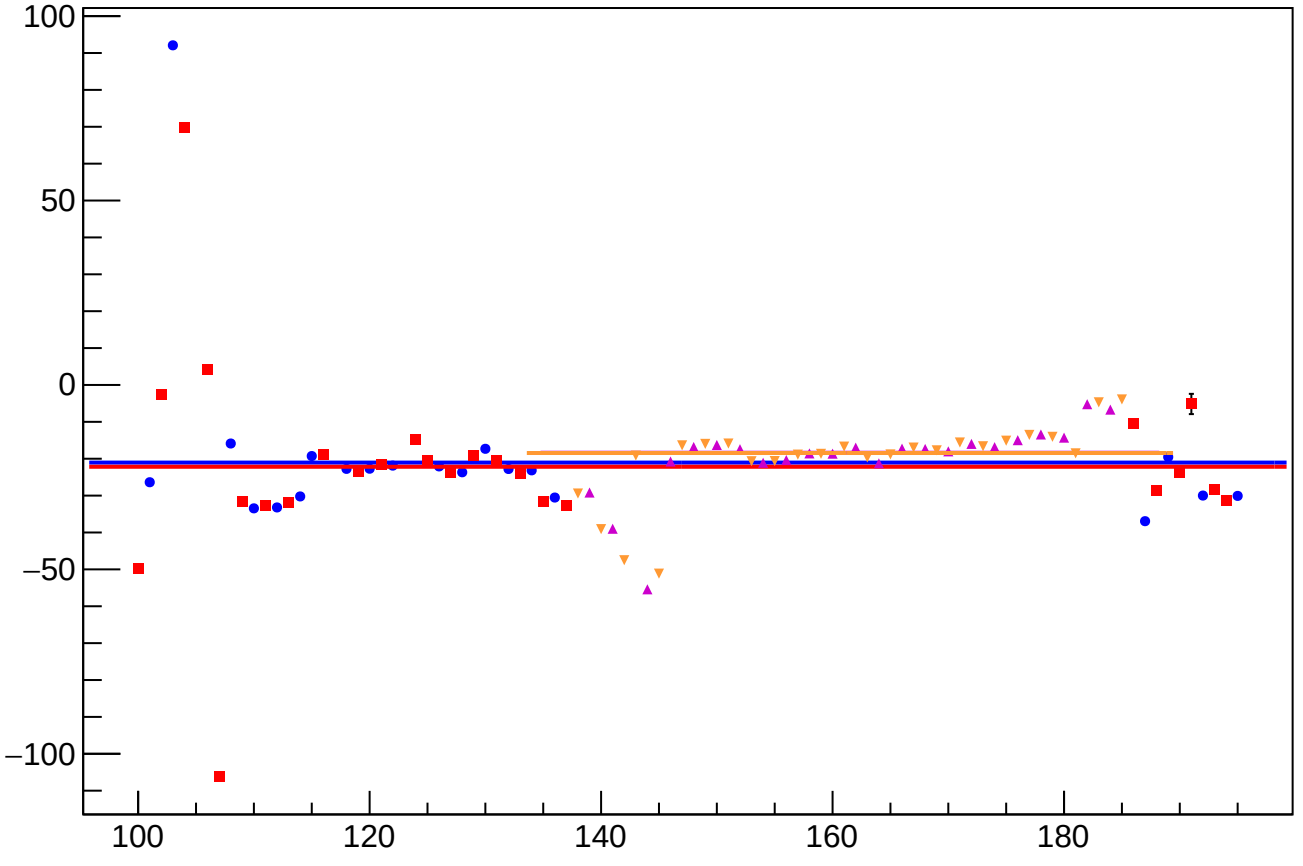
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -30.282+/-0.445 χ^2/NDF: 2134.6/44

In: -19.051+/-0.312 χ^2/NDF:2281.4/42

Out: -18.095+/-0.300 χ^2/NDF:2198.0/49

All: -18.554+/-0.216 χ^2/NDF: 4484.2/92



Right In: -21.046+/-0.036 χ^2/NDF: 450331.8/19

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.179+/-0.035 χ^2/NDF: 370974.1/24

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

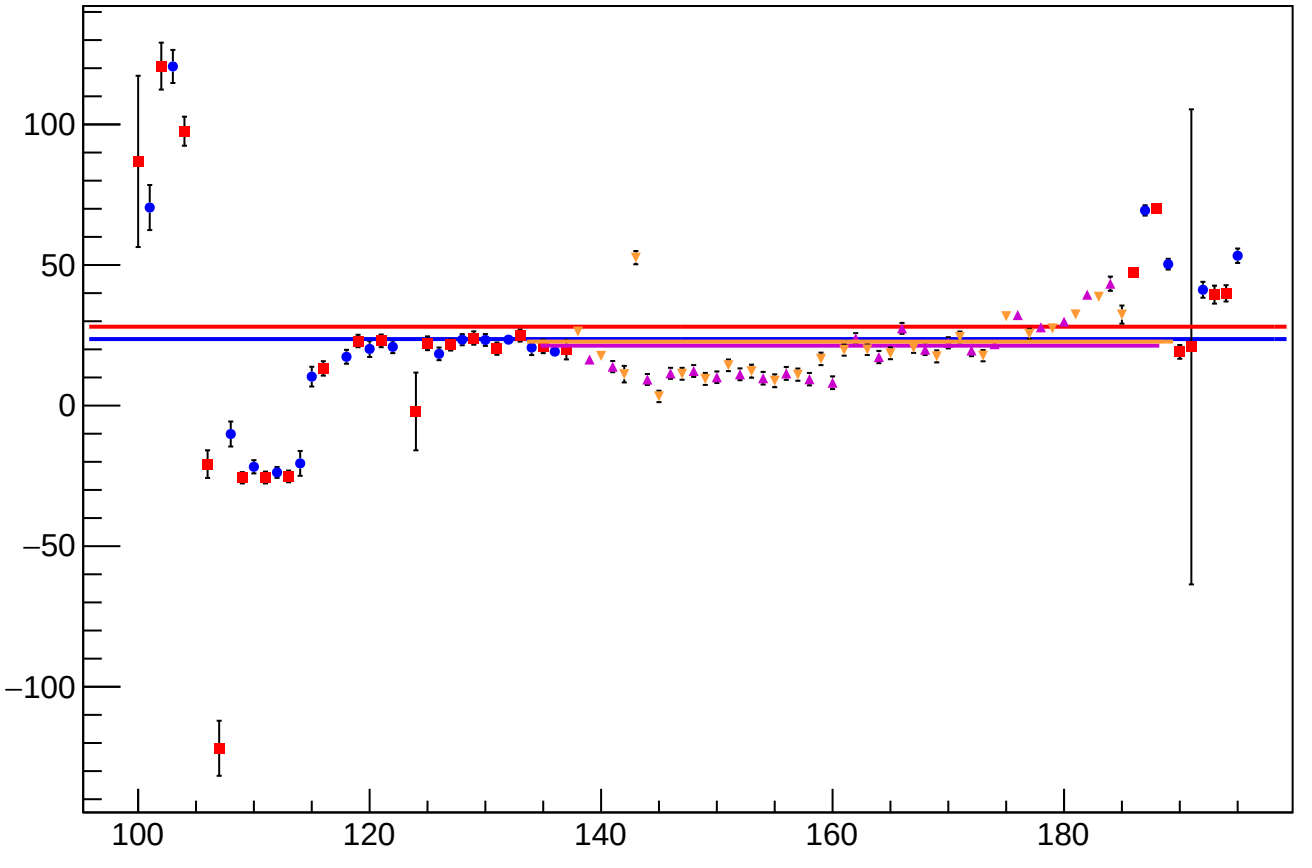
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.625+/-0.025 χ^2/NDF: 821820.3/44

In: -18.813+/-0.014 χ^2/NDF:705050.8/42

Out: -19.062+/-0.014 χ^2/NDF:675869.0/49

All: -18.940+/-0.010 χ^2/NDF: 1381072.3/92



Right In: 23.660+/-0.535 χ^2/NDF: 2455.2/19

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 28.061+/-0.471 χ^2/NDF: 4552.8/24

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

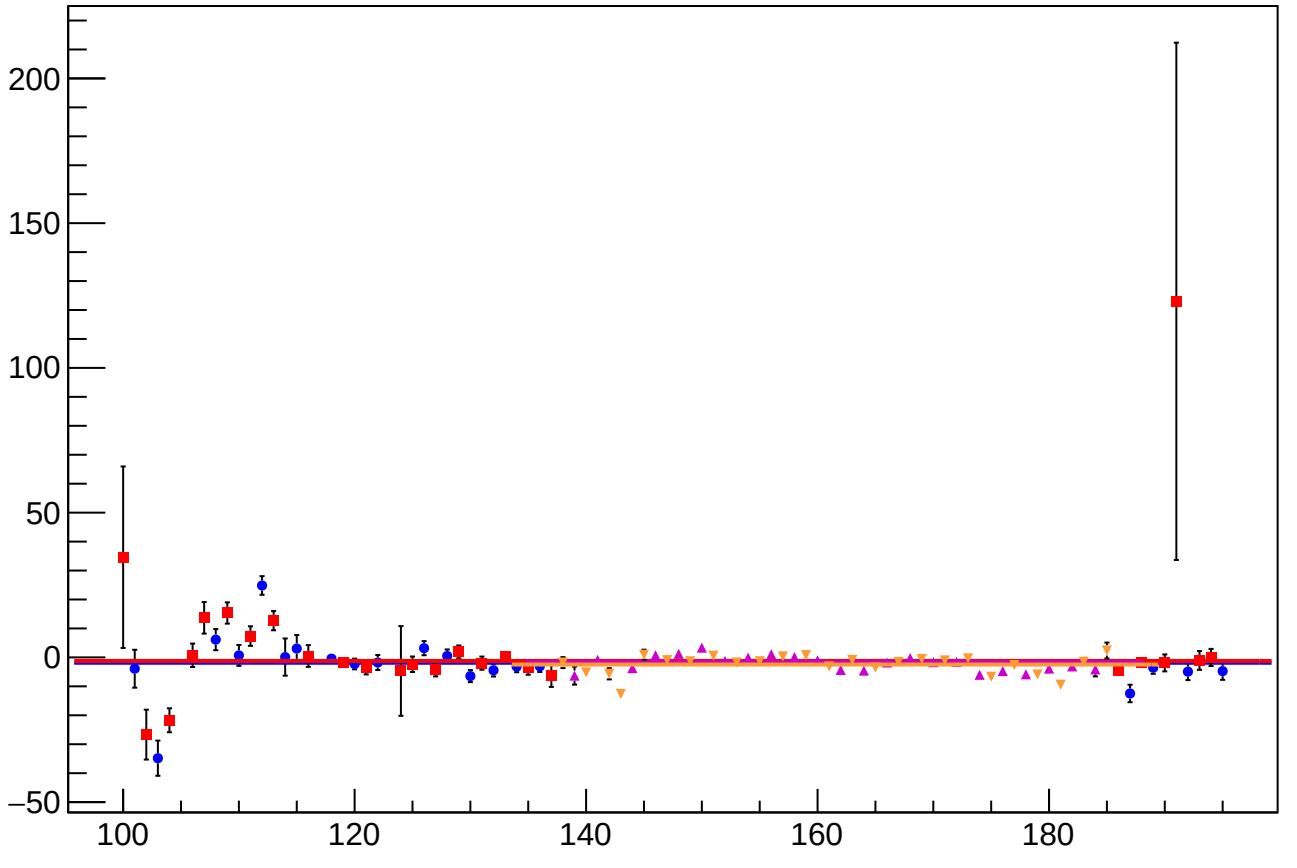
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 26.137+/-0.354 χ^2/NDF: 7046.1/44

In: 22.143+/-0.317 χ^2/NDF:3097.5/42

Out: 24.869+/-0.297 χ^2/NDF:5351.7/49

All: 23.593+/-0.217 χ^2/NDF: 8488.6/92



Right In: -1.852+/-0.561 χ^2/NDF: 133.4/19

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.236+/-0.524 χ^2/NDF: 101.5/24

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

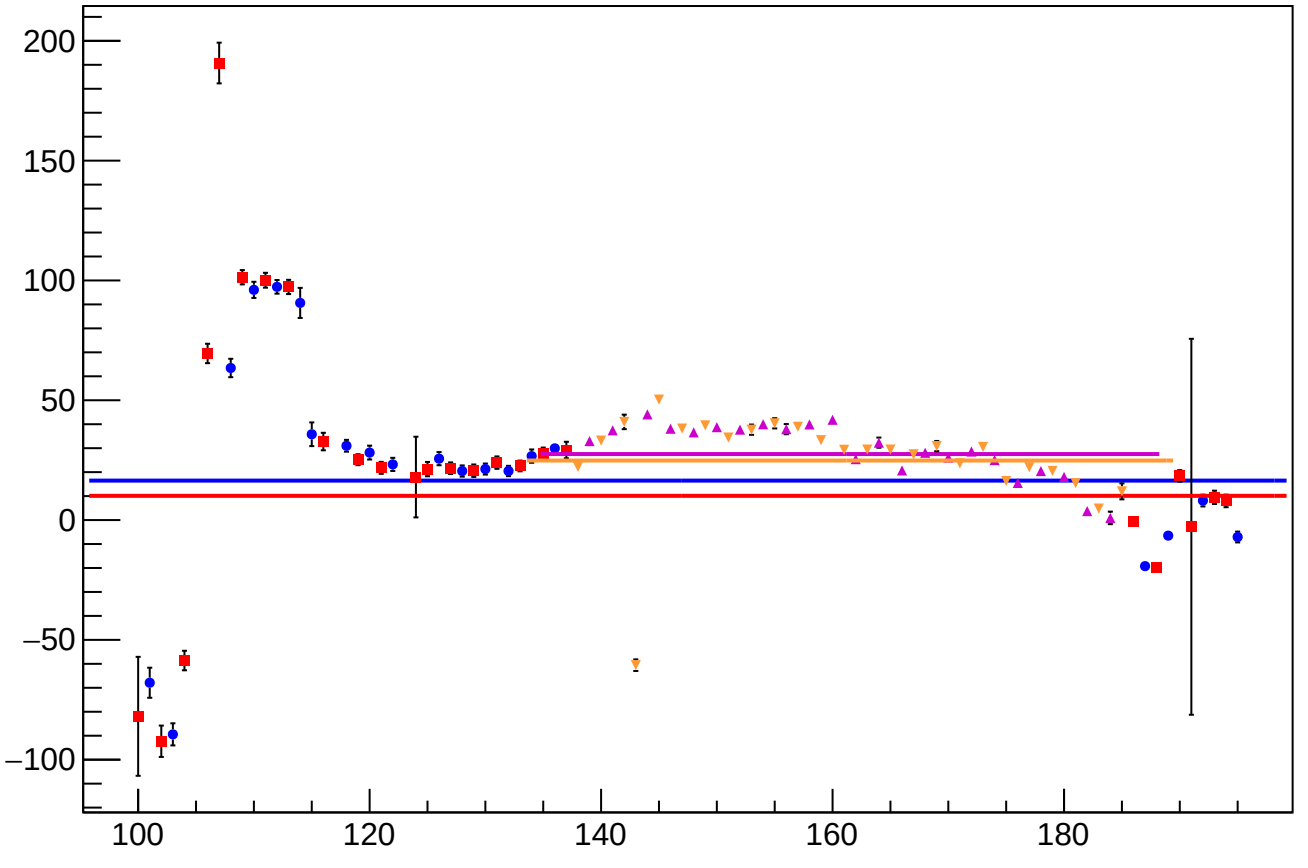
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.523+/-0.383 χ^2/NDF: 235.5/44

In: -1.703+/-0.267 χ^2/NDF:203.7/42

Out: -2.175+/-0.256 χ^2/NDF:222.4/49

All: -1.949+/-0.185 χ^2/NDF: 427.7/92



Right In: 16.469+/-0.558 χ^2/NDF: 3411.6/19

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 10.116+/-0.463 χ^2/NDF: 5456.8/24

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

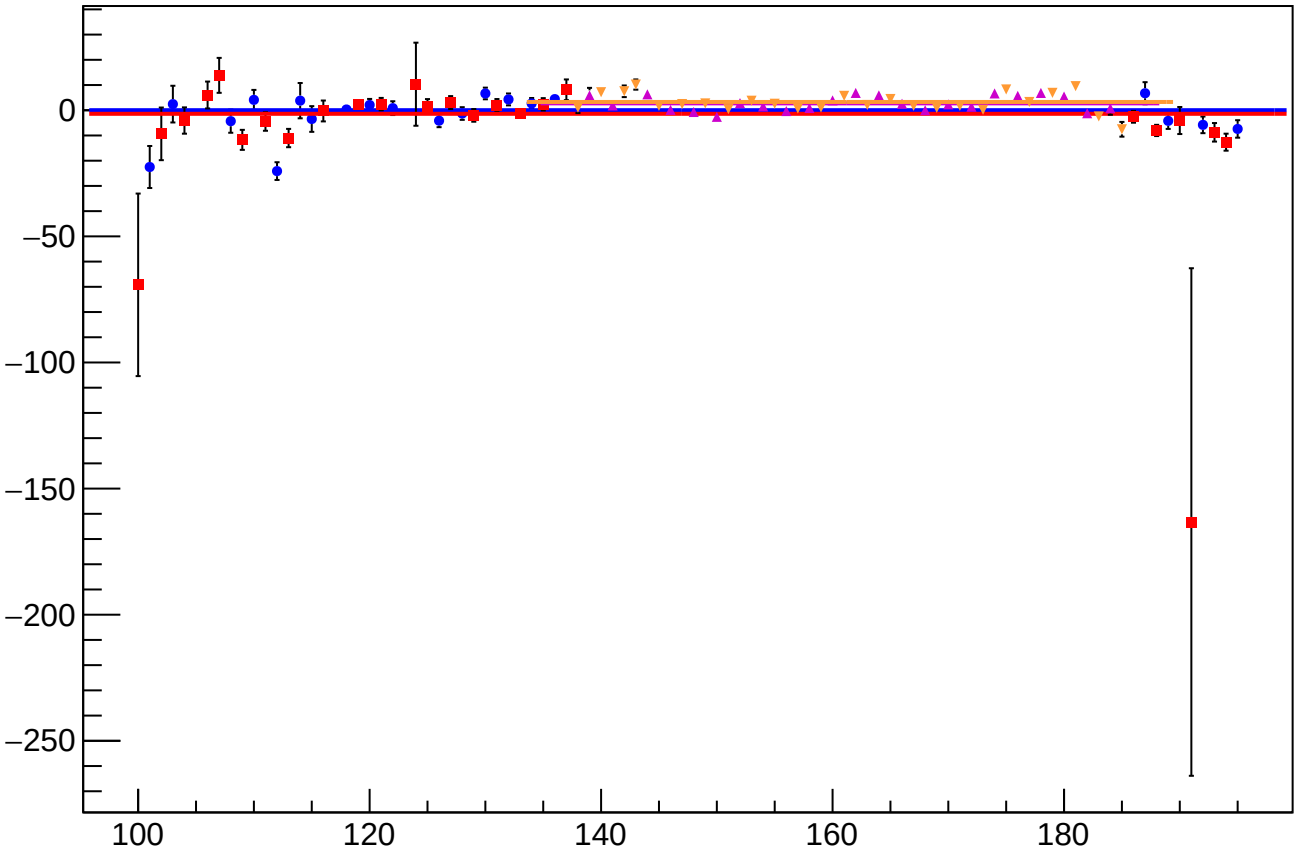
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 12.706+/-0.356 χ^2/NDF: 8945.3/44

In: 23.925+/-0.319 χ^2/NDF:4559.2/42

Out: 18.917+/-0.294 χ^2/NDF:8111.5/49

All: 21.213+/-0.216 χ^2/NDF: 12804.2/92



Right In: 0.028+/-0.654 χ^2/NDF: 91.0/19

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -1.409+/-0.635 χ^2/NDF: 72.9/24

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

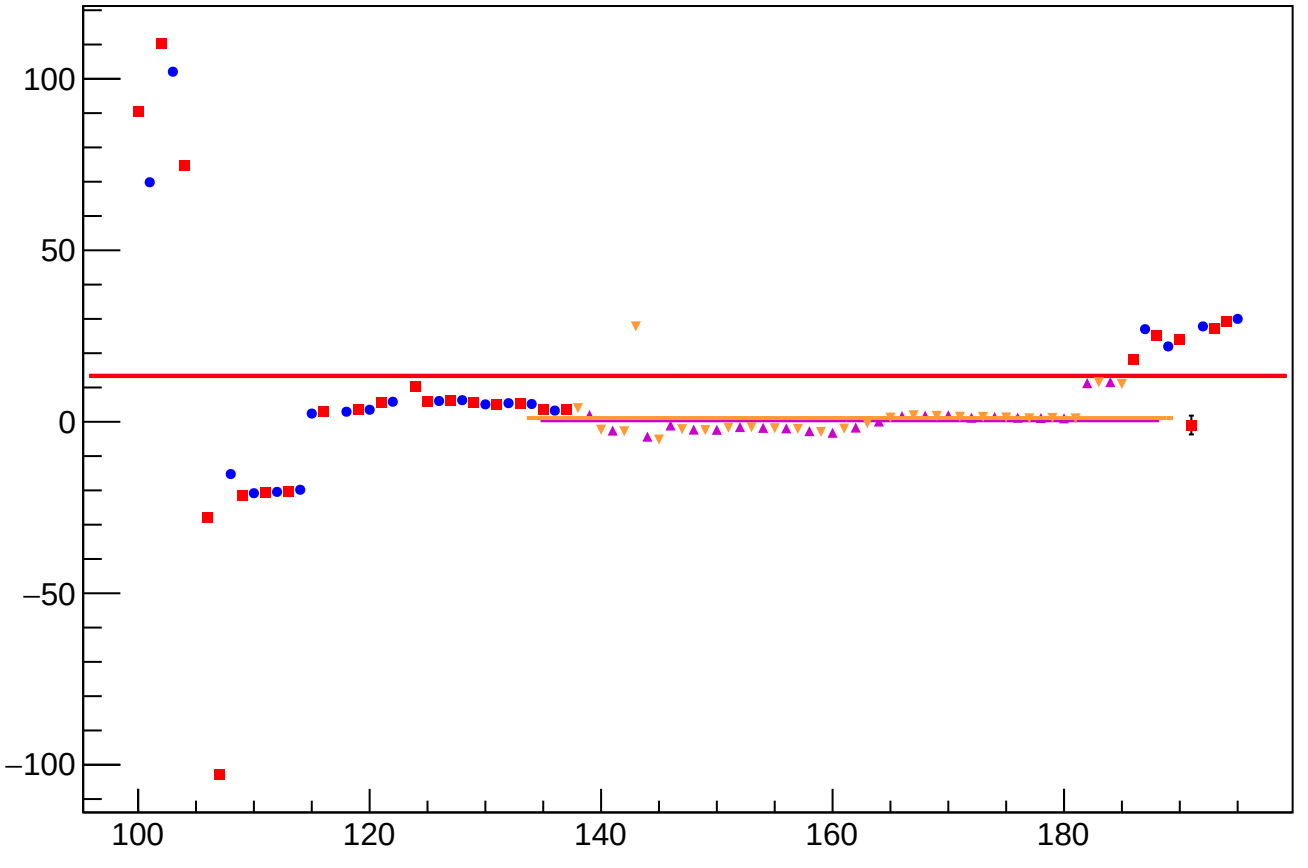
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -0.711+/-0.456 χ^2/NDF: 166.3/44

In: 2.149+/-0.303 χ^2/NDF:178.9/42

Out: 2.282+/-0.294 χ^2/NDF:222.1/49

All: 2.218+/-0.211 χ^2/NDF: 401.1/92



Right In: 13.420+/-0.035 χ^2/NDF: 396651.1/19

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 13.327+/-0.035 χ^2/NDF: 531521.0/24

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

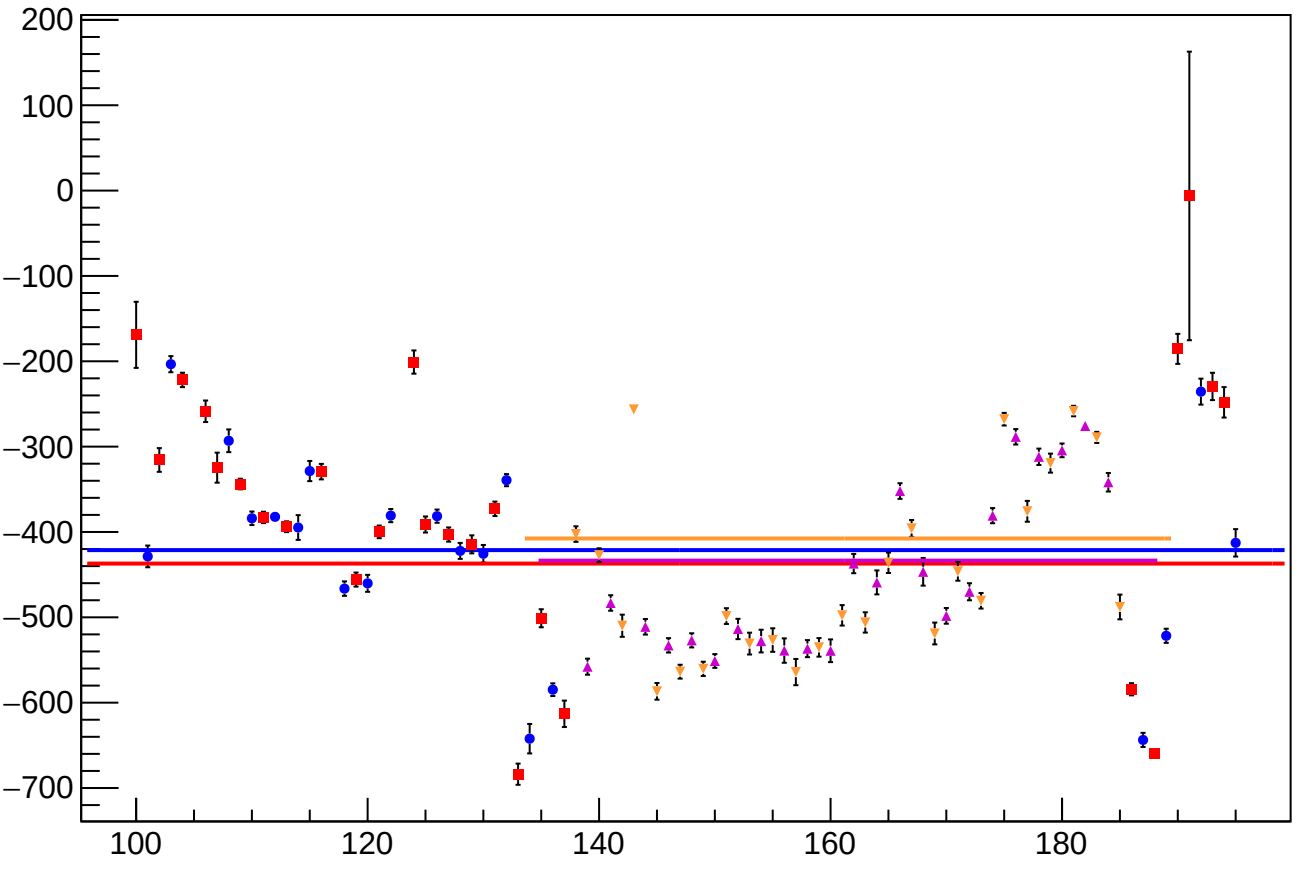
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 13.374+/-0.025 χ^2/NDF: 928175.6/44

In: 2.448+/-0.014 χ^2/NDF:564424.5/42

Out: 2.928+/-0.014 χ^2/NDF:762219.7/49

All: 2.691+/-0.010 χ^2/NDF: 1327251.1/92



Right In: -421.246+/-2.053 χ^2/NDF: 2651.3/19

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -437.017+/-1.816 χ^2/NDF: 5978.9/24

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

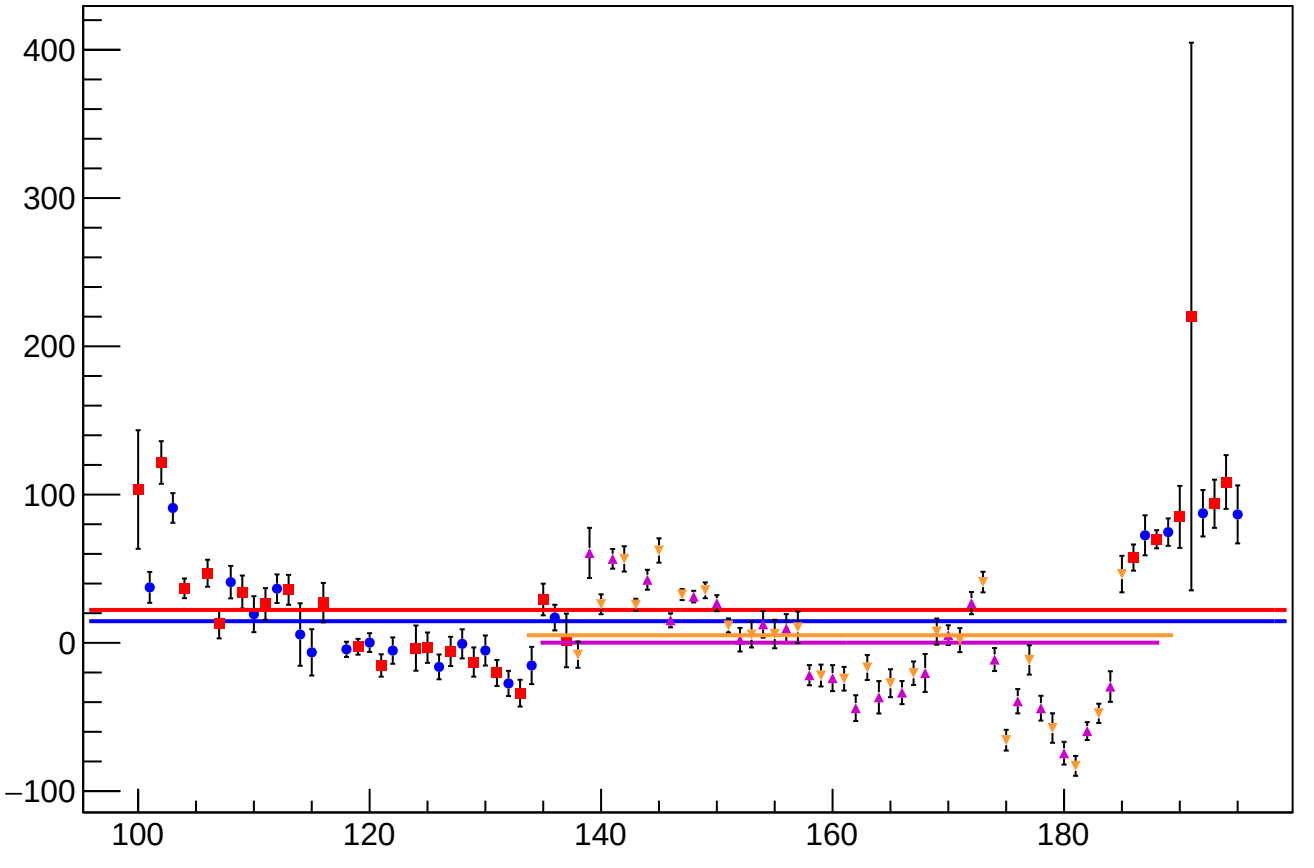
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

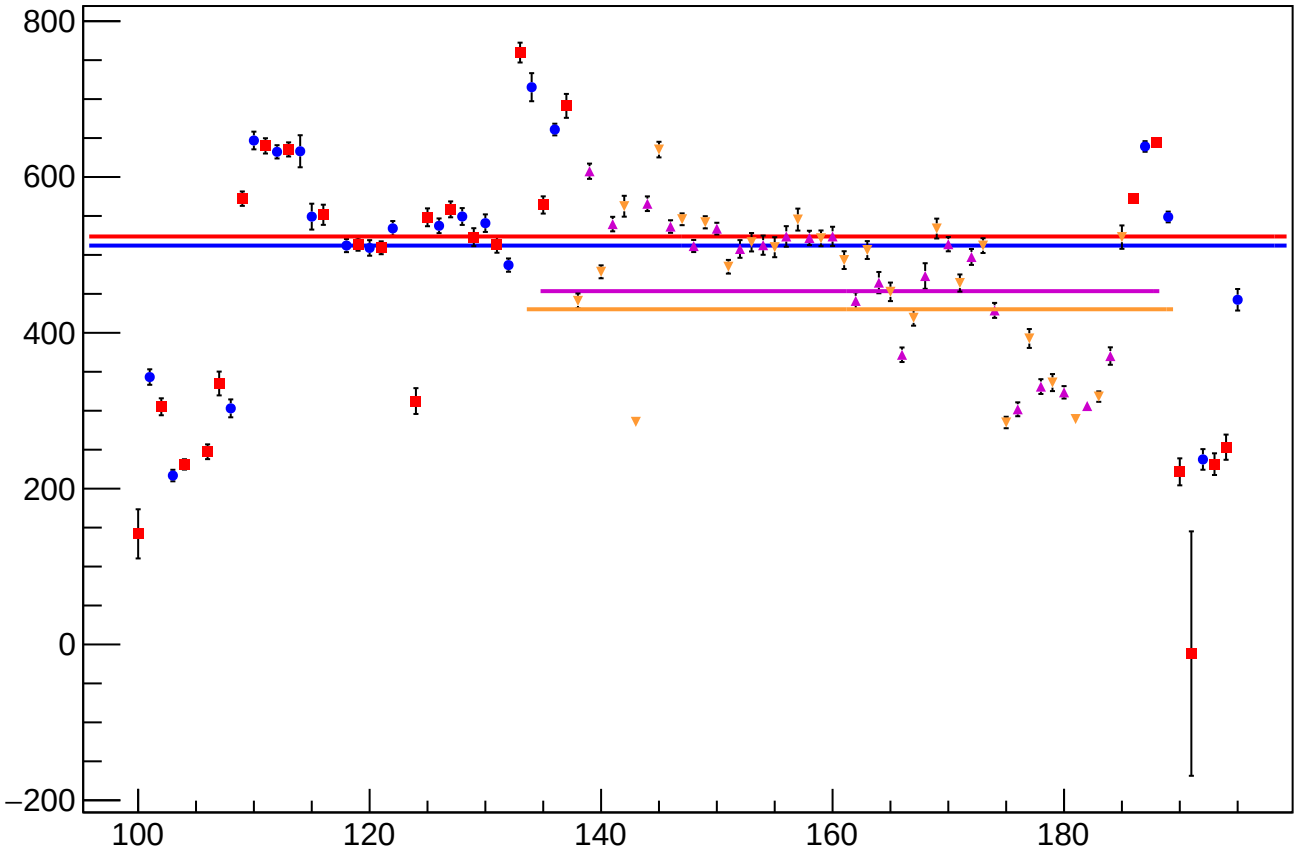
Right: -430.095+/-1.360 χ^2/NDF: 8663.4/44

In: -427.569+/-1.430 χ^2/NDF:5394.3/42

Out: -422.735+/-1.302 χ^2/NDF:10111.9/49

All: -424.926+/-0.963 χ^2/NDF: 15512.4/92


reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
400
300
200
100
0
−100
100
120
140
160
180
Right In: 14.604+/-2.137 χ²/NDF: 245.8/19
Left Out: 5.125+/-1.379 χ²/NDF:689.2/24
Right Out: 22.210+/-1.976 χ²/NDF: 337.5/24
Left In: 0.124+/-1.489 χ²/NDF:568.6/22
Left: 2.817+/-1.012 χ²/NDF: 1263.8/47
Right: 18.704+/-1.451 χ²/NDF: 590.1/44
In: 4.857+/-1.222 χ²/NDF:845.3/42
Out: 10.717+/-1.131 χ²/NDF:1076.9/49
All: 8.014+/-0.830 χ²/NDF: 1934.6/92



Right In: 511.983+/-2.160 χ^2/NDF: 3981.8/19

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 523.667+/-1.834 χ^2/NDF: 6758.2/24

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

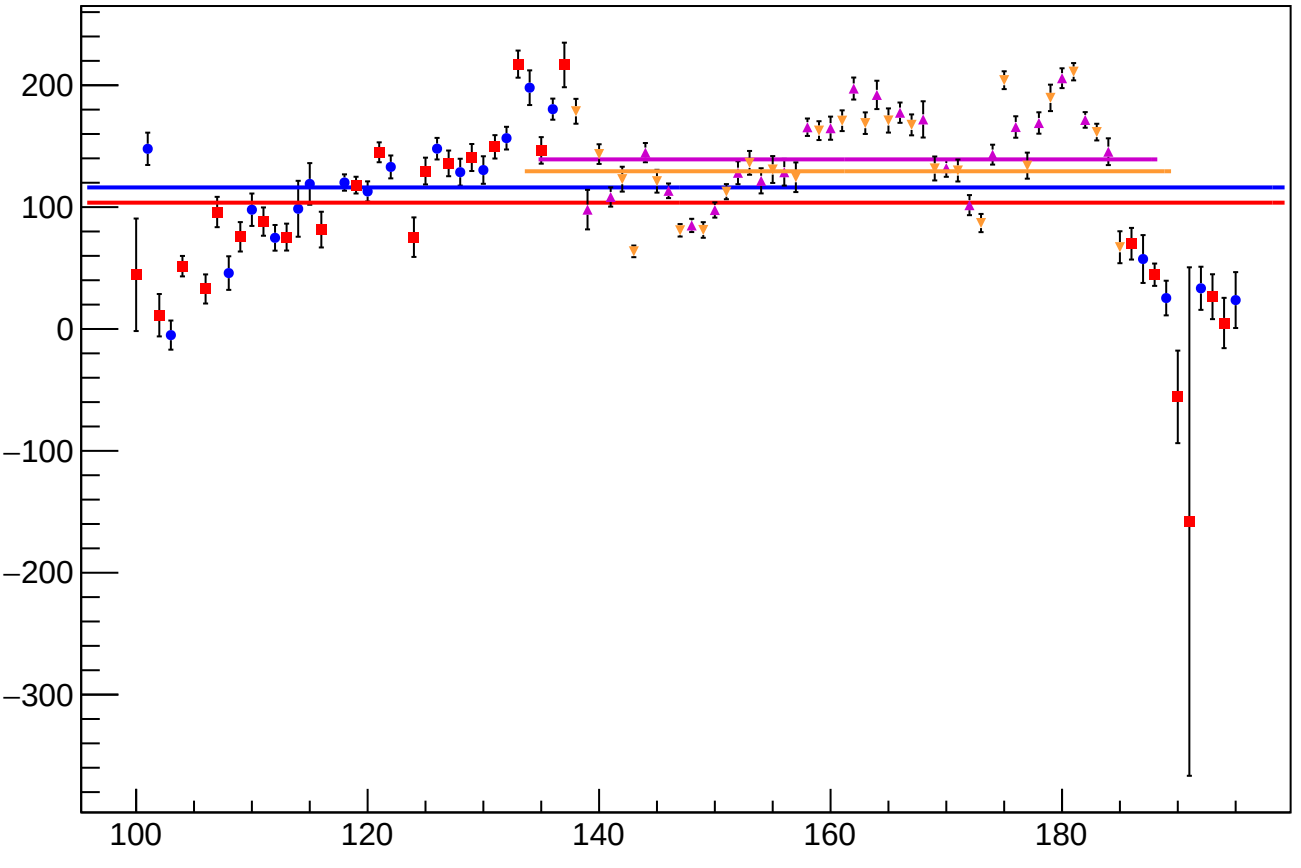
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 518.772+/-1.398 χ^2/NDF: 10757.1/44

In: 480.107+/-1.457 χ^2/NDF:6801.0/42

Out: 477.628+/-1.306 χ^2/NDF:11441.7/49

All: 478.732+/-0.973 χ^2/NDF: 18244.2/92



Right In: 116.154+/-2.519 χ^2/NDF: 366.7/19

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 103.648+/-2.368 χ^2/NDF: 468.0/24

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

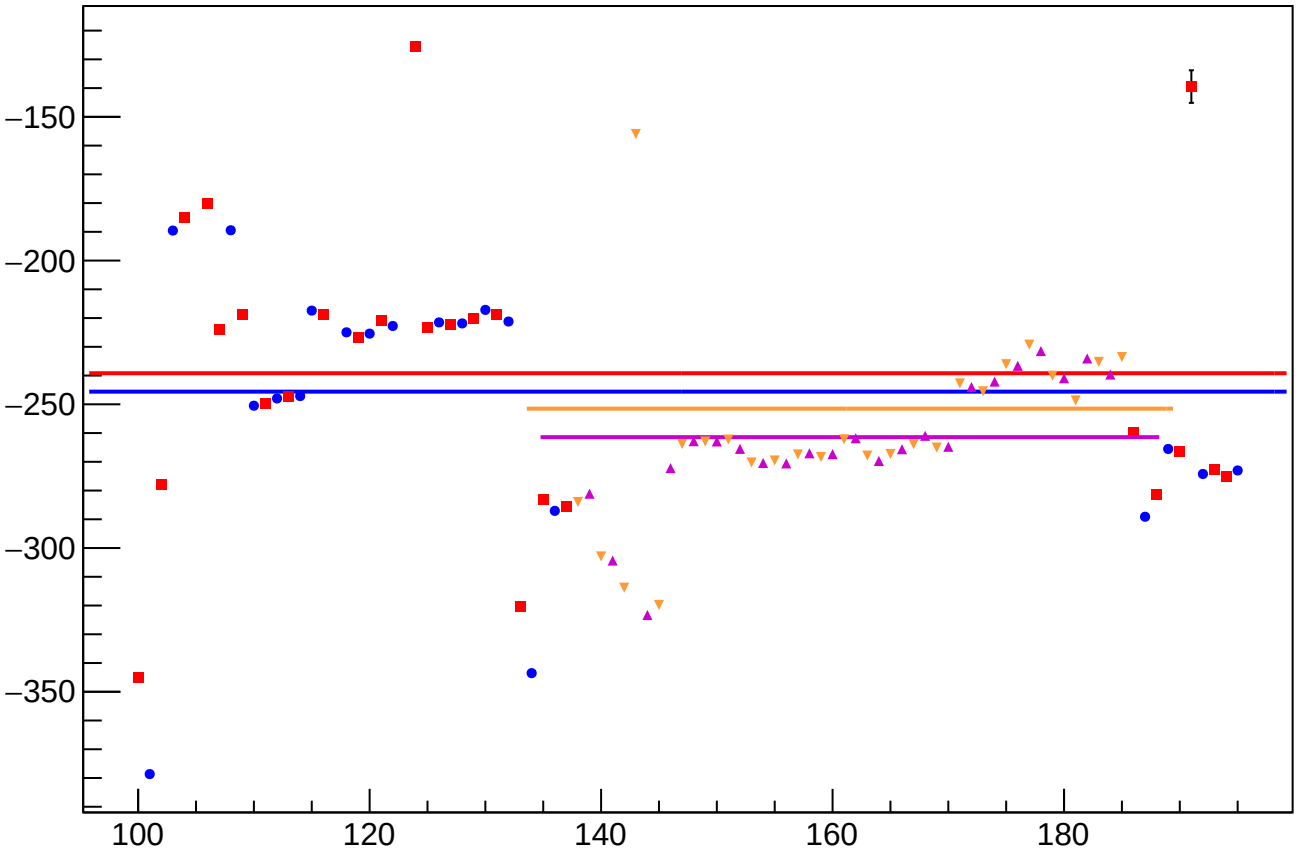
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 109.515+/-1.726 χ^2/NDF: 847.7/44

In: 131.936+/-1.412 χ^2/NDF:858.1/42

Out: 121.394+/-1.322 χ^2/NDF:1363.8/49

All: 126.317+/-0.965 χ^2/NDF: 2251.6/92



Right In: -245.596+/-0.138 χ^2/NDF: 141960.5/19

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -239.191+/-0.131 χ^2/NDF: 102992.6/24

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

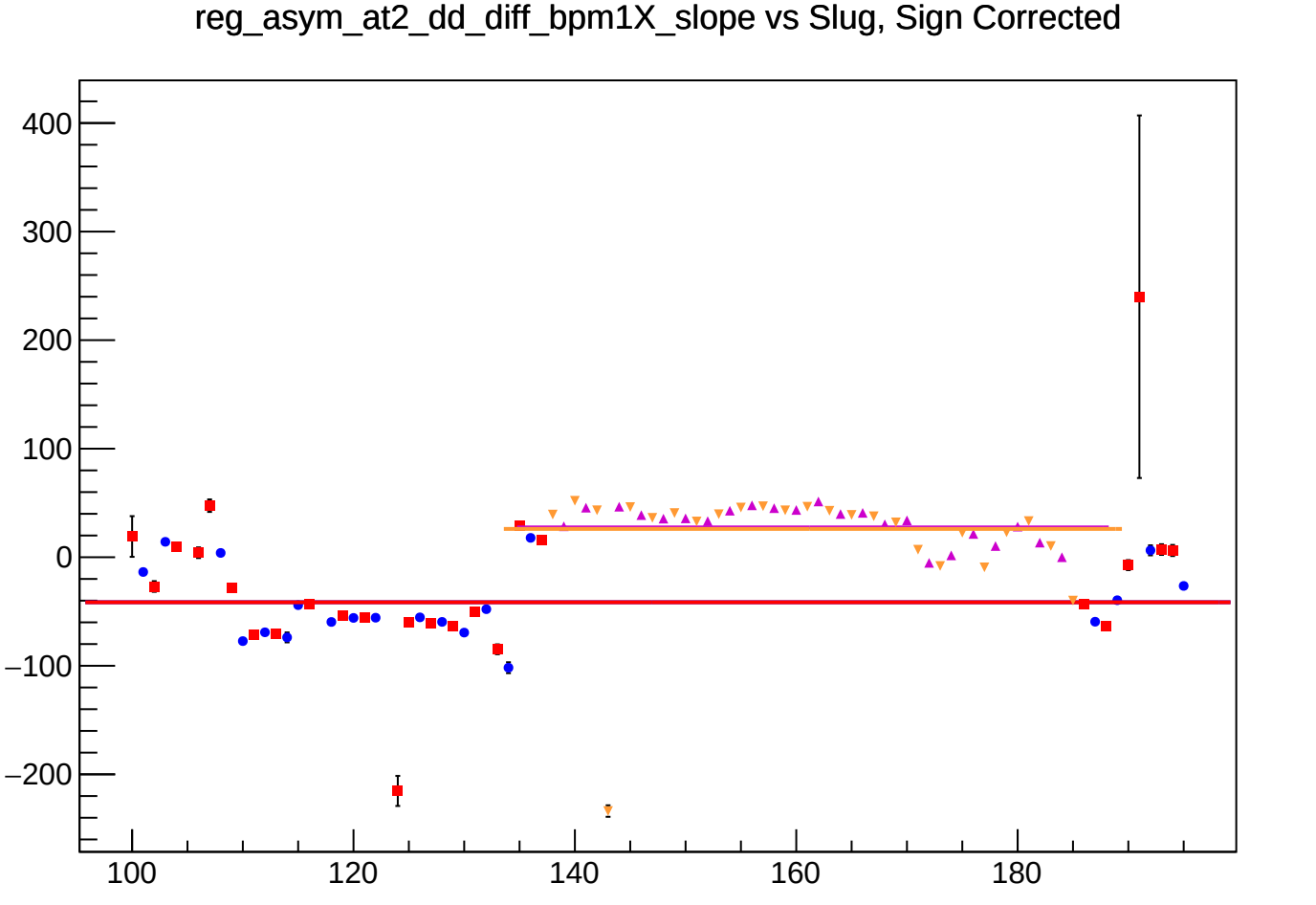
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

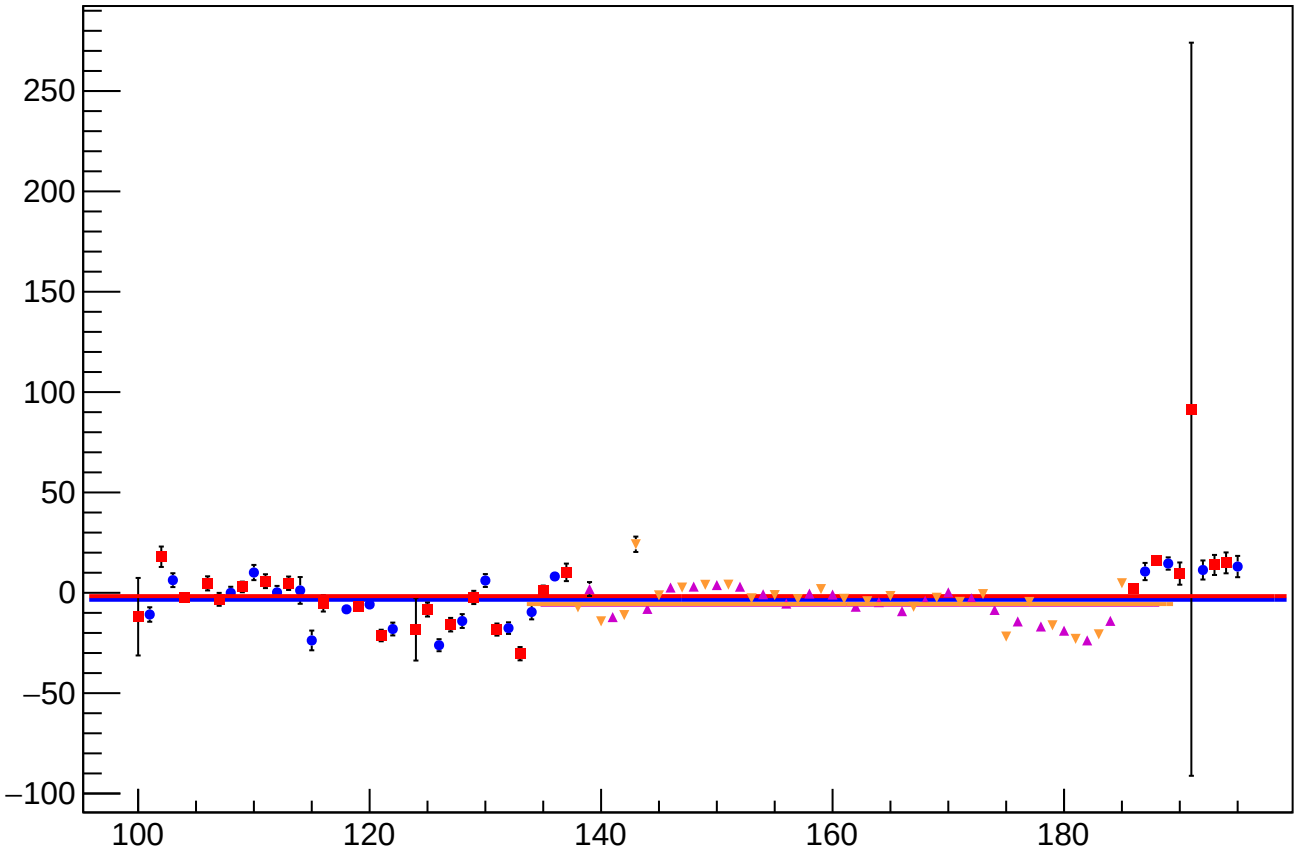
Right: -242.217+/-0.095 χ^2/NDF: 246086.9/44

In: -257.607+/-0.068 χ^2/NDF:221482.4/42

Out: -248.484+/-0.065 χ^2/NDF:364612.3/49

All: -252.836+/-0.047 χ^2/NDF: 595554.2/92


reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
100
120
140
160
180
Right In: -41.449+/-0.661 χ²/NDF: 2571.2/19
Left Out: 26.087+/-0.390 χ²/NDF:4785.1/24
Right Out: -41.503+/-0.568 χ²/NDF: 2946.0/24
Left In: 27.466+/-0.396 χ²/NDF:1608.9/22
Left: 26.766+/-0.278 χ²/NDF: 6400.2/47
Right: -41.480+/-0.431 χ²/NDF: 5517.2/44
In: 9.295+/-0.340 χ²/NDF:12174.5/42
Out: 4.469+/-0.321 χ²/NDF:17352.9/49
All: 6.749+/-0.233 χ²/NDF: 29633.9/92



Right In: -3.469+/-0.706 χ^2/NDF: 270.4/19

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -1.662+/-0.646 χ^2/NDF: 318.4/24

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

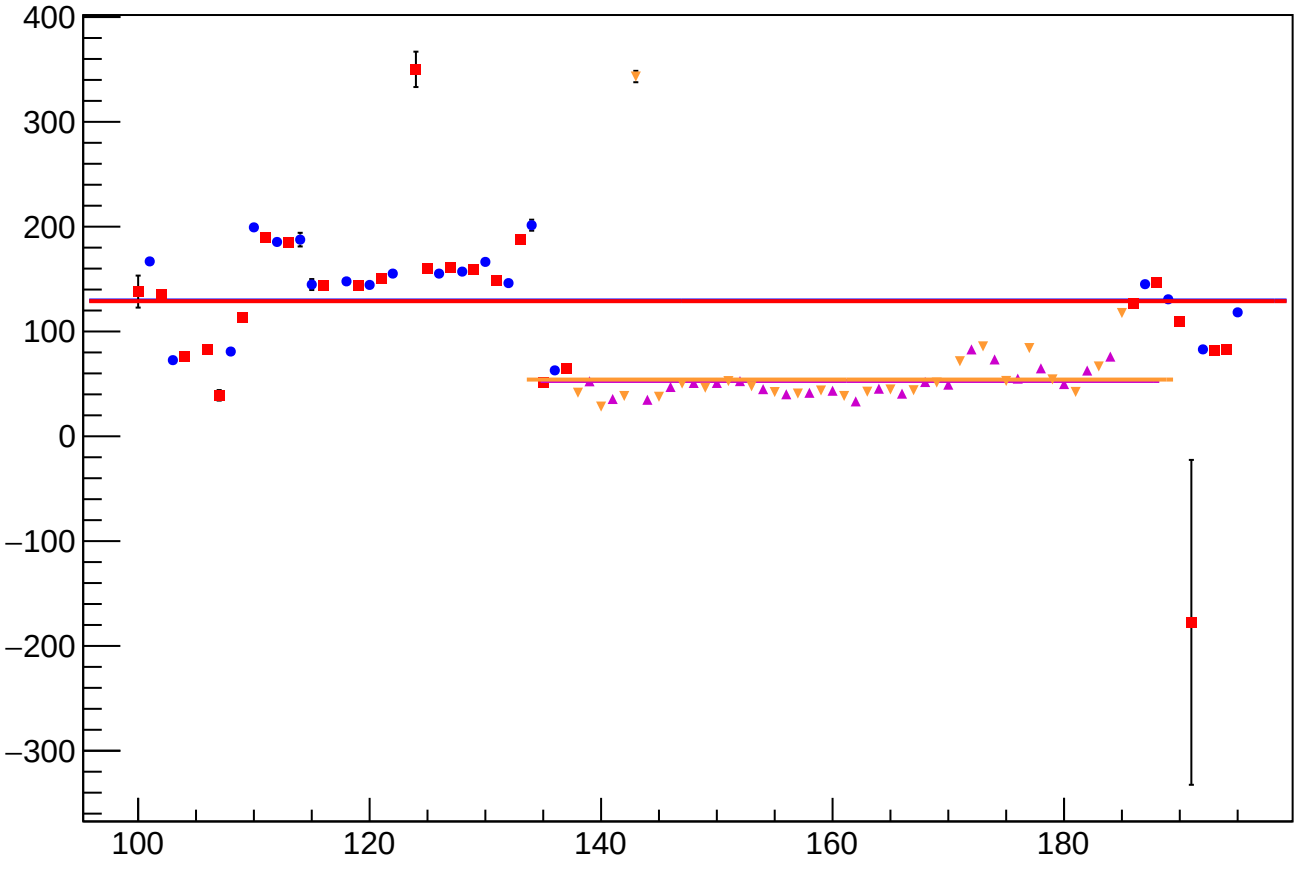
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -2.485+/-0.477 χ^2/NDF: 592.4/44

In: -5.543+/-0.283 χ^2/NDF:992.9/42

Out: -4.915+/-0.274 χ^2/NDF:1242.7/49

All: -5.218+/-0.197 χ^2/NDF: 2238.1/92



Right In: 129.552+/-0.692 χ^2/NDF: 3819.9/19

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 128.912+/-0.577 χ^2/NDF: 3989.5/24

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

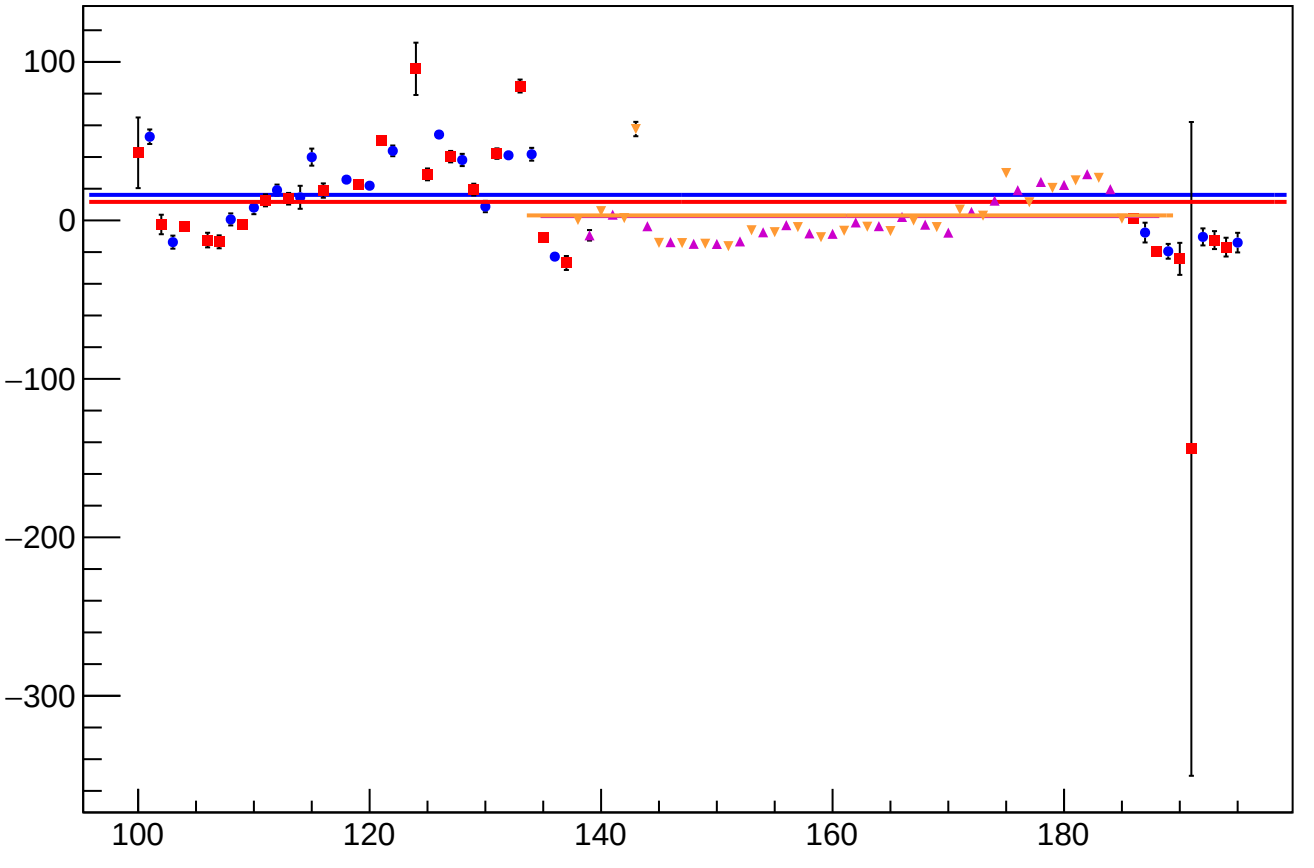
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 129.175+/-0.443 χ^2/NDF: 7810.0/44

In: 71.474+/-0.342 χ^2/NDF:14099.1/42

Out: 77.329+/-0.322 χ^2/NDF:20153.3/49

All: 74.577+/-0.234 χ^2/NDF: 34408.2/92



Right In: 16.117+/-0.821 χ^2/NDF: 990.2/19

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 11.683+/-0.772 χ^2/NDF: 1136.9/24

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

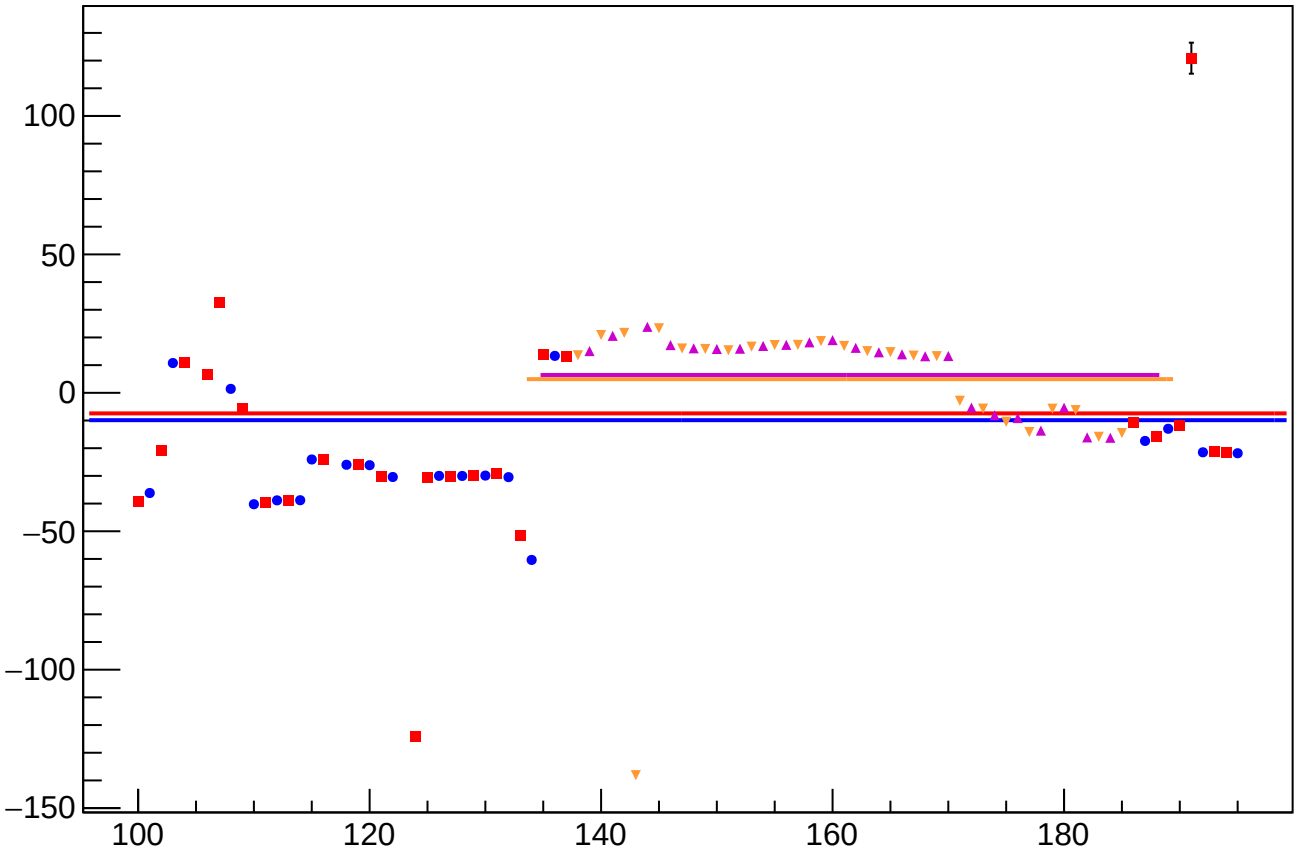
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 13.765+/-0.562 χ^2/NDF: 2142.7/44

In: 4.750+/-0.319 χ^2/NDF:2951.4/42

Out: 4.539+/-0.311 χ^2/NDF:3251.5/49

All: 4.642+/-0.223 χ^2/NDF: 6203.2/92



Right In: -9.881+/-0.042 χ^2/NDF: 278901.8/19

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -7.430+/-0.041 χ^2/NDF: 248923.6/24

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

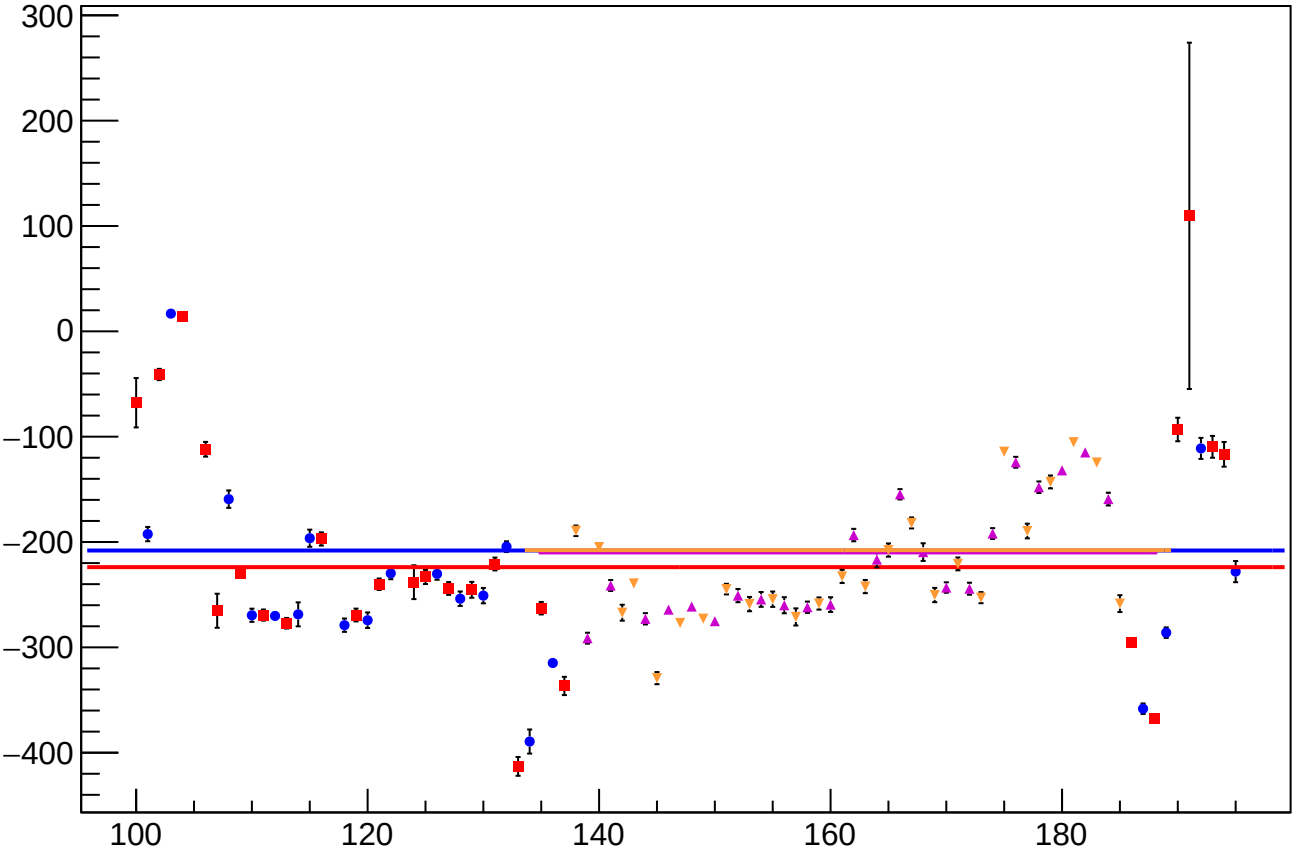
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -8.632+/-0.029 χ^2/NDF: 529575.2/44

In: 4.509+/-0.014 χ^2/NDF:1142888.3/42

Out: 3.450+/-0.014 χ^2/NDF:1465376.7/49

All: 3.975+/-0.010 χ^2/NDF: 2610995.7/92



Right In: -208.057+/-1.294 χ^2/NDF: 8610.9/19

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -223.870+/-1.147 χ^2/NDF: 11934.9/24

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

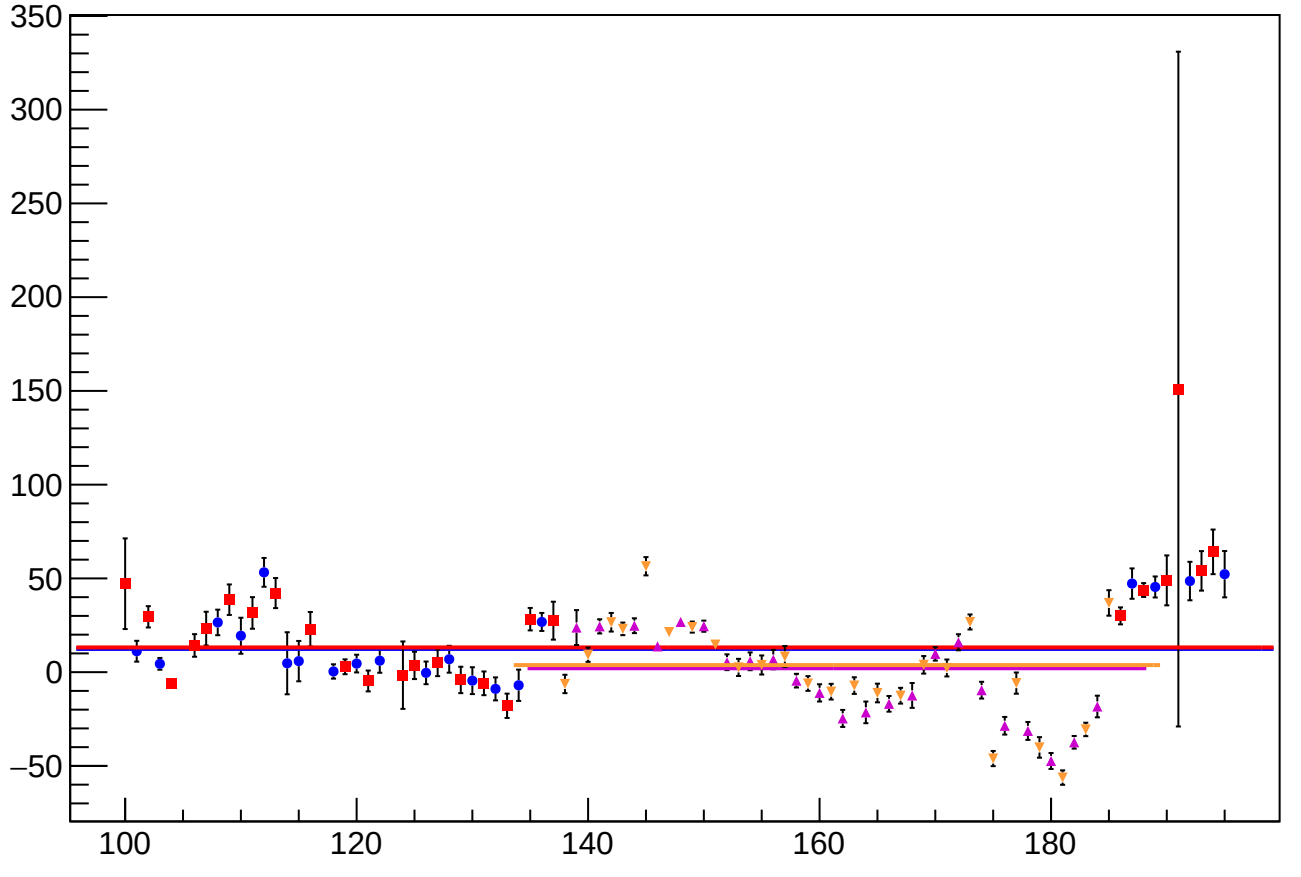
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -216.917+/-0.858 χ^2/NDF: 20629.4/44

In: -209.112+/-0.839 χ^2/NDF:11623.9/42

Out: -215.249+/-0.782 χ^2/NDF:15527.8/49

All: -212.394+/-0.572 χ^2/NDF: 27180.3/92



Right In: 12.386+/-1.352 χ^2/NDF: 167.0/19

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 13.189+/-1.205 χ^2/NDF: 295.0/24

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

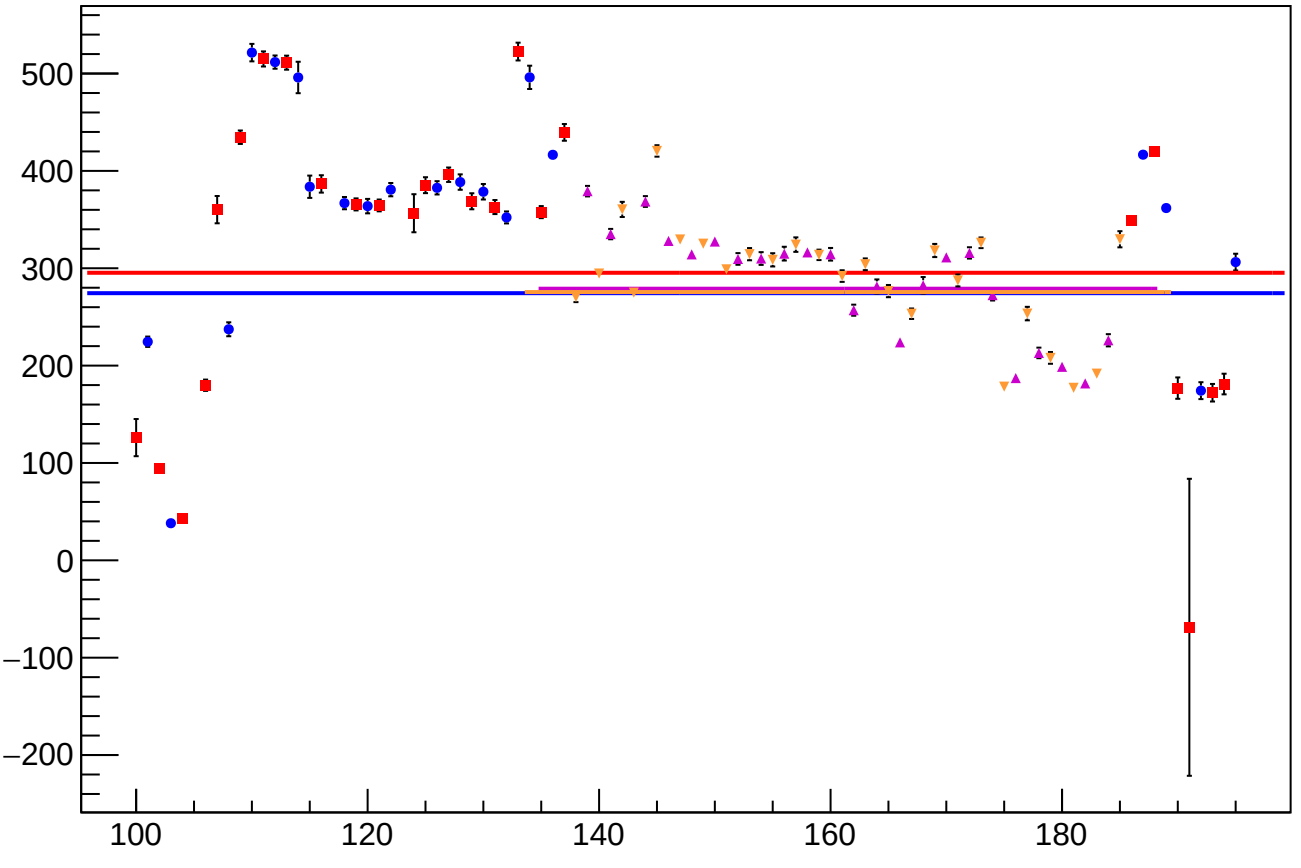
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 12.834+/-0.900 χ^2/NDF: 462.2/44

In: 4.850+/-0.701 χ^2/NDF:979.7/42

Out: 6.586+/-0.659 χ^2/NDF:1309.9/49

All: 5.772+/-0.480 χ^2/NDF: 2292.9/92



Right In: 274.403+/-1.251 χ^2/NDF: 17413.4/19

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 295.355+/-1.074 χ^2/NDF: 21489.1/24

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

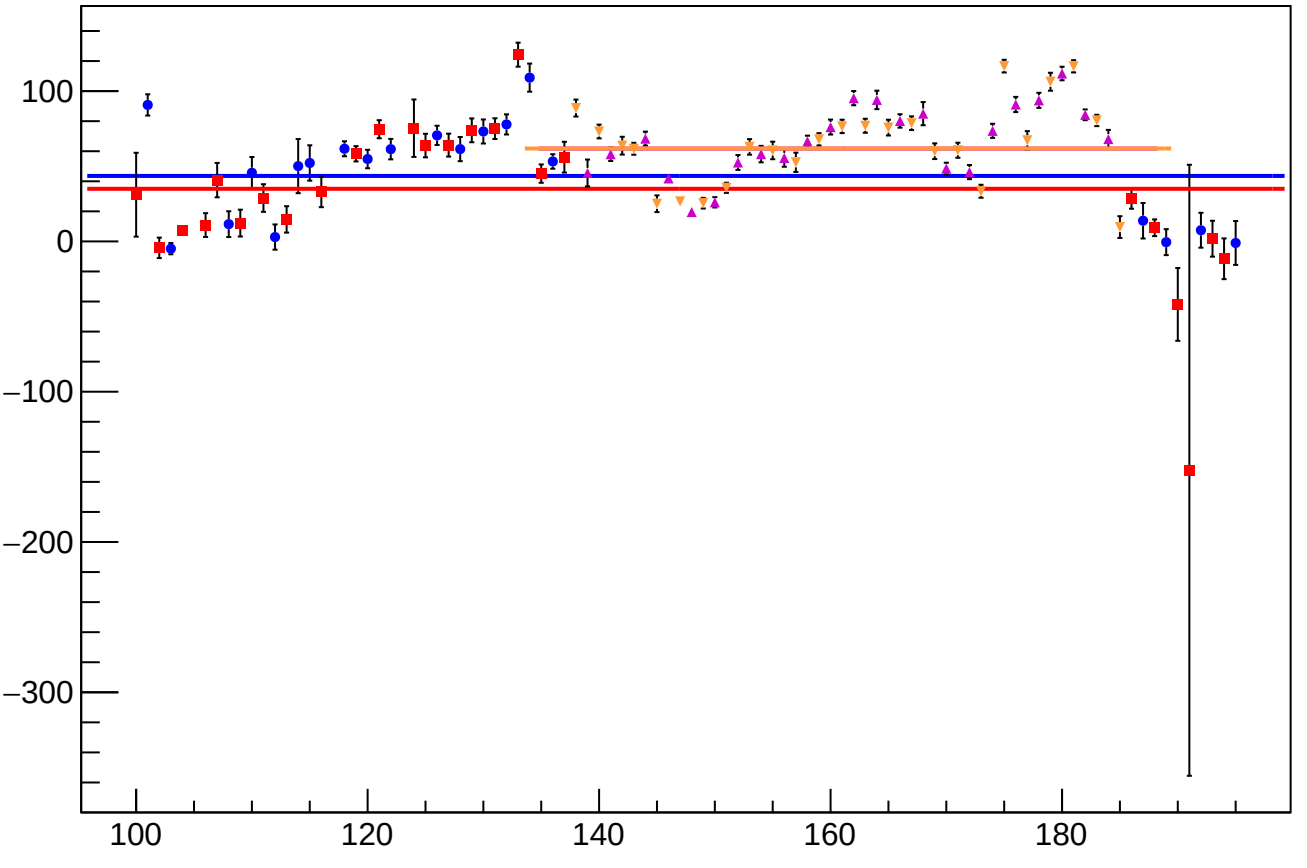
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 286.467+/-0.815 χ^2/NDF: 39064.0/44

In: 277.013+/-0.821 χ^2/NDF:20535.8/42

Out: 285.334+/-0.755 χ^2/NDF:24984.4/49

All: 281.523+/-0.556 χ^2/NDF: 45575.8/92



Right In: 43.568+/-1.597 χ^2/NDF: 441.4/19

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 35.007+/-1.472 χ^2/NDF: 476.2/24

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

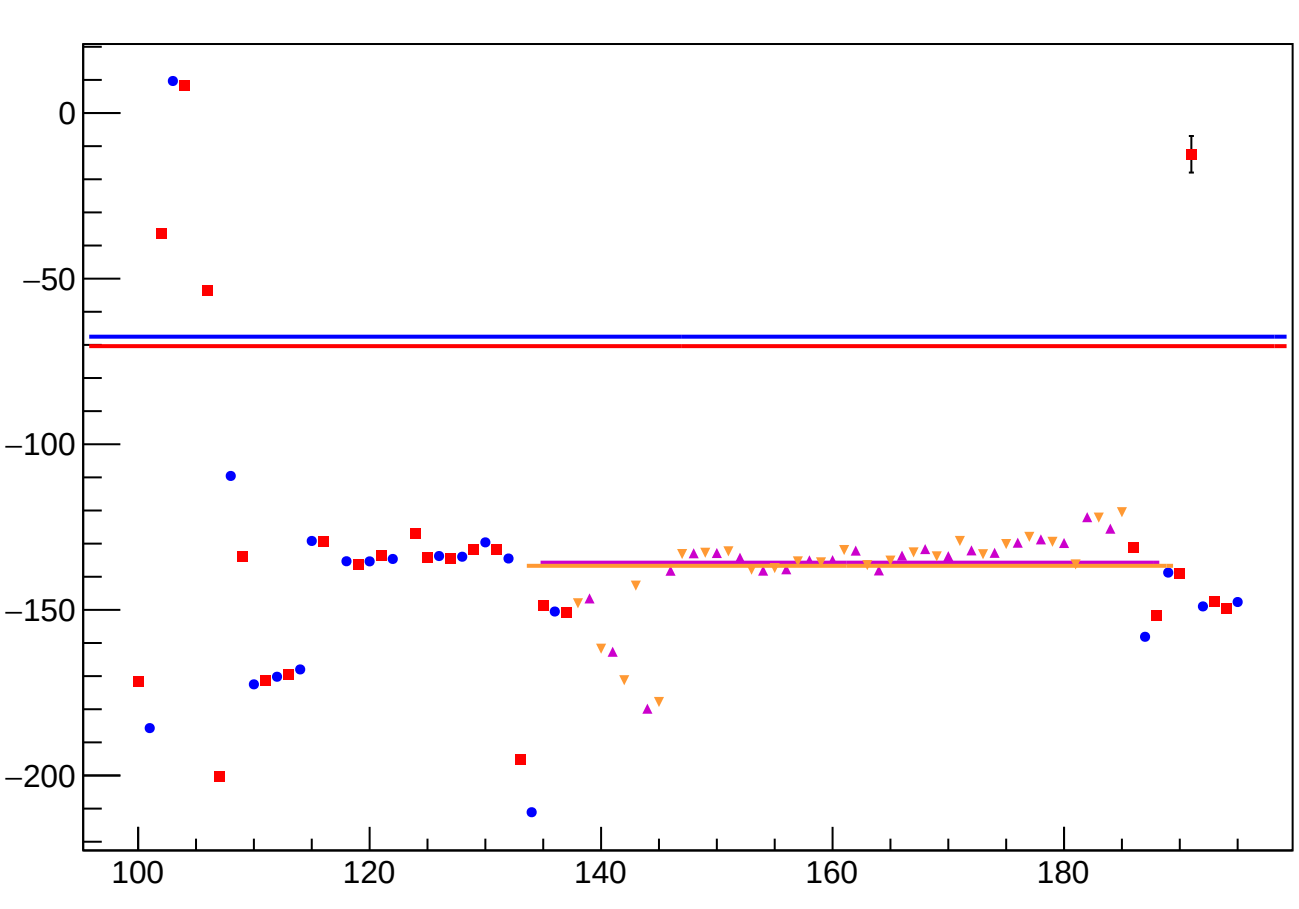
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

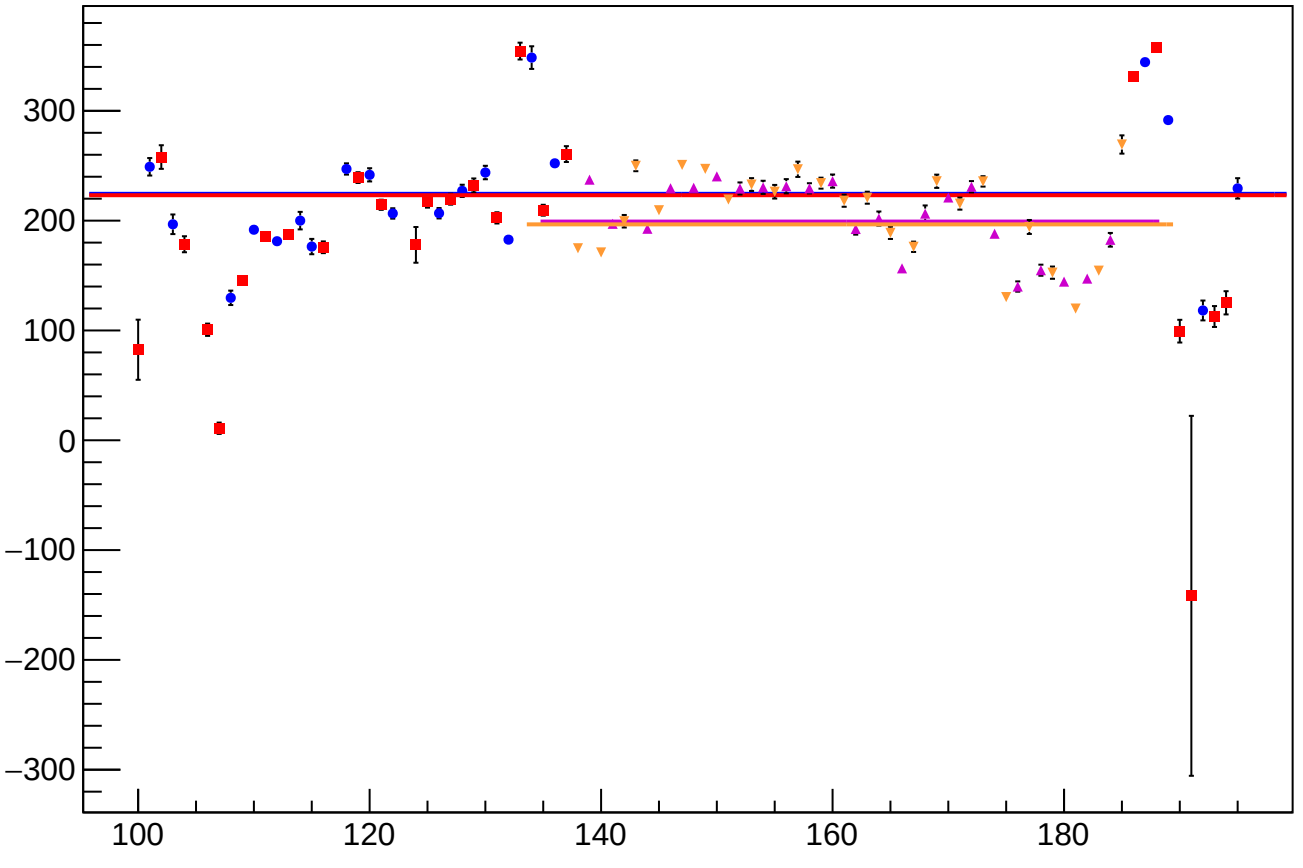
Right: 38.940+/-1.082 χ^2/NDF: 933.2/44

In: 57.090+/-0.809 χ^2/NDF:1273.9/42

Out: 54.432+/-0.772 χ^2/NDF:1676.2/49

All: 55.699+/-0.559 χ^2/NDF: 2955.7/92


reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
120
140
160
180
Right In: -67.520+/-0.069 χ²/NDF: 1370384.3/19
Left Out: -136.695+/-0.042 χ²/NDF:79006.9/24
Right Out: -70.377+/-0.069 χ²/NDF: 1081247.4/24
Left In: -135.745+/-0.043 χ²/NDF:63681.9/22
Left: -136.226+/-0.030 χ²/NDF: 142938.0/47
Right: -68.955+/-0.049 χ²/NDF: 2452493.6/44
In: -116.775+/-0.036 χ²/NDF:2140437.0/42
Out: -118.489+/-0.036 χ²/NDF:1836715.3/49
All: -117.642+/-0.026 χ²/NDF: 3978274.4/92



Right In: 224.425+/-1.182 χ^2/NDF: 1950.6/19

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 223.163+/-1.016 χ^2/NDF: 7837.0/24

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

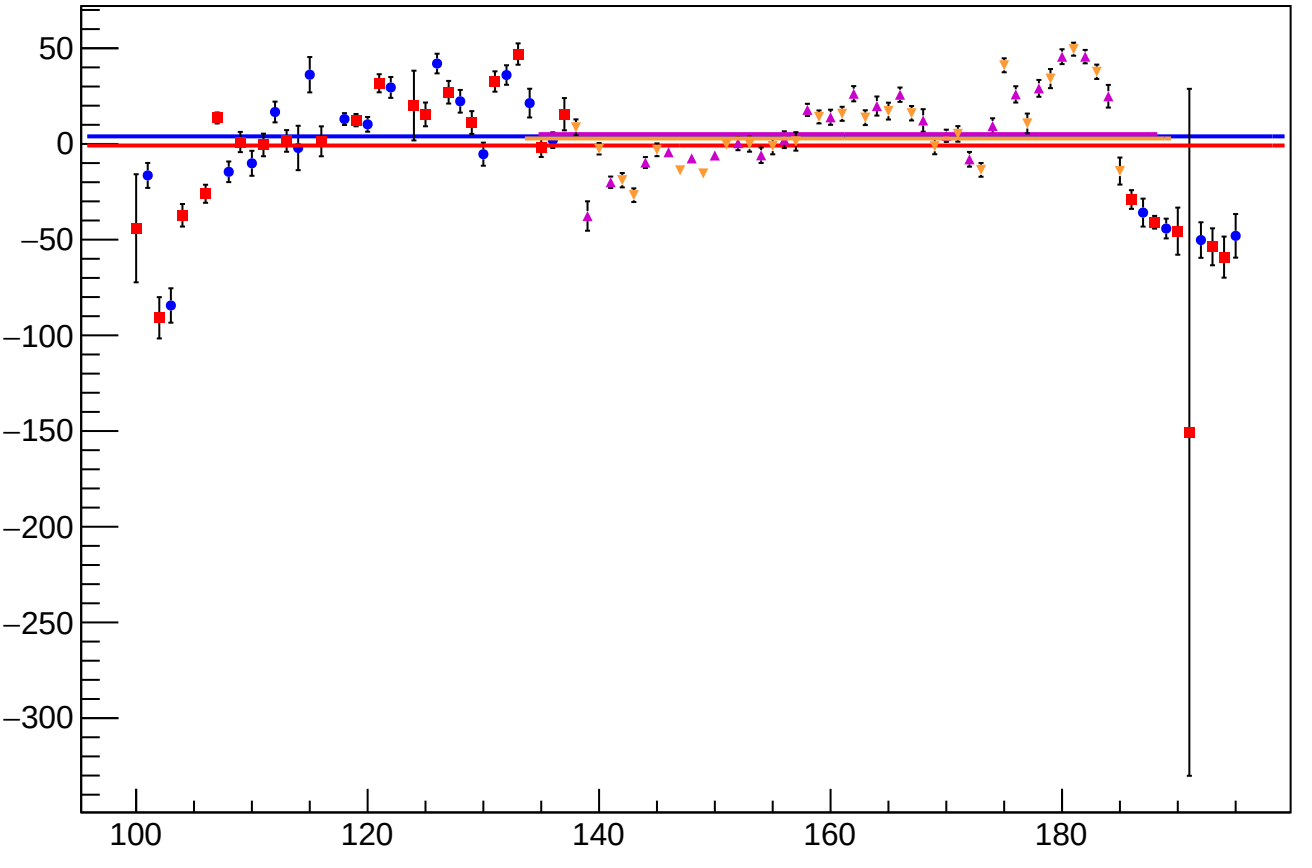
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 223.699+/-0.770 χ^2/NDF: 9788.3/44

In: 209.363+/-0.751 χ^2/NDF:3517.9/42

Out: 208.953+/-0.692 χ^2/NDF:10278.3/49

All: 209.141+/-0.509 χ^2/NDF: 13796.3/92



Right In: 3.960+/-1.251 χ^2/NDF: 457.9/19

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -0.818+/-1.101 χ^2/NDF: 632.9/24

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

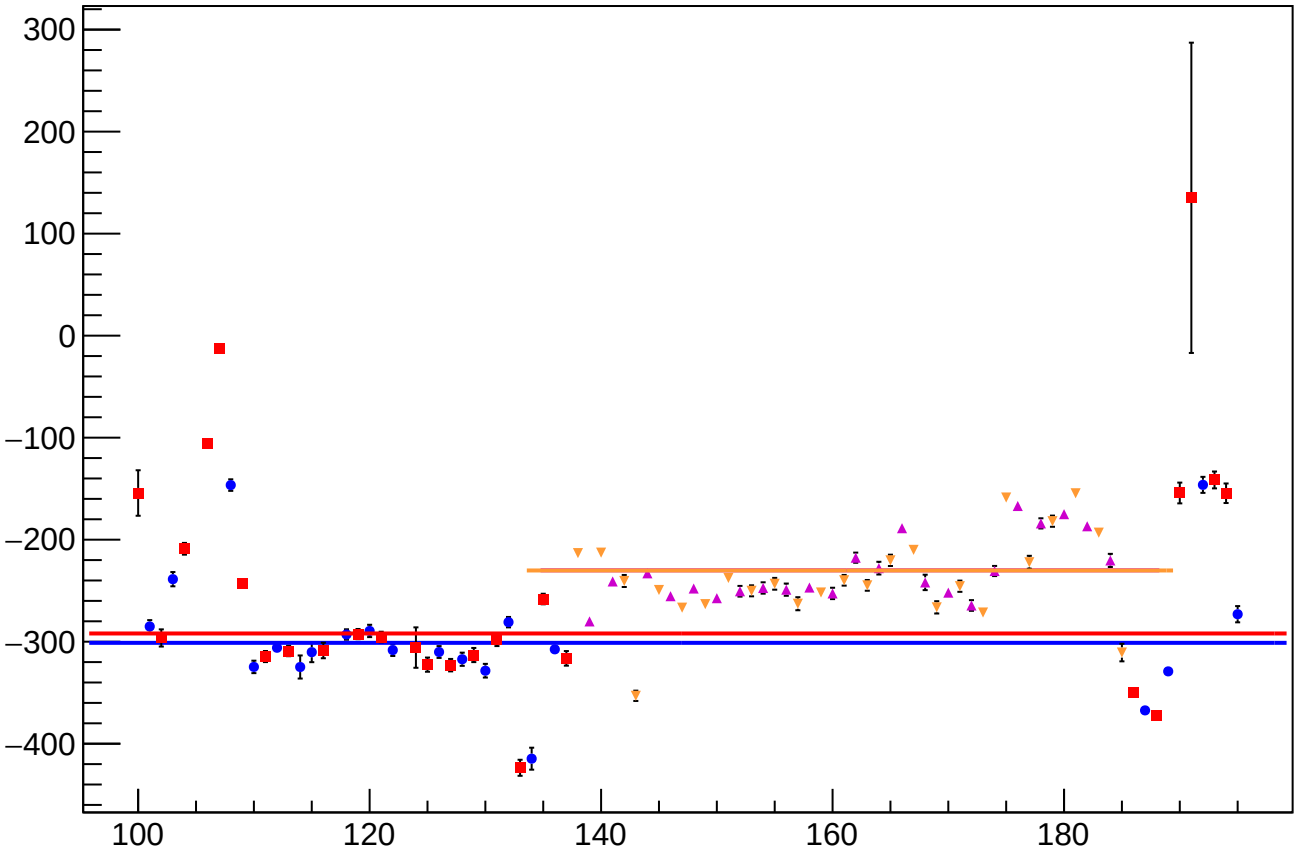
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: 1.266+/-0.826 χ^2/NDF: 1099.0/44

In: 4.837+/-0.623 χ^2/NDF:1087.1/42

Out: 1.823+/-0.586 χ^2/NDF:1393.7/49

All: 3.240+/-0.427 χ^2/NDF: 2493.2/92



Right In: -301.123+/-1.251 χ^2/NDF: 1791.1/19

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -291.943+/-1.031 χ^2/NDF: 9171.7/24

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

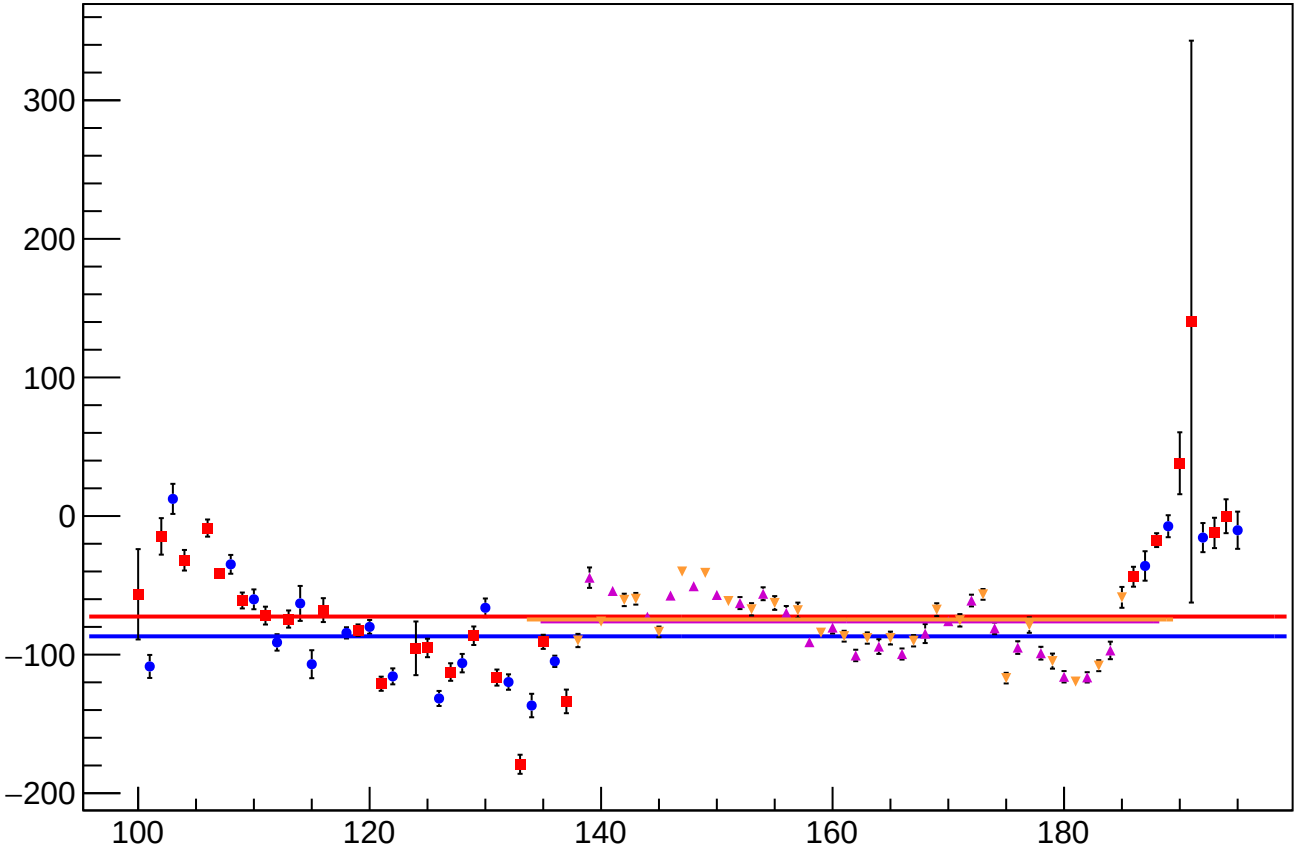
Right: -295.655+/-0.796 χ^2/NDF: 10994.8/44

In: -256.411+/-0.762 χ^2/NDF:4914.2/42

Out: -258.183+/-0.694 χ^2/NDF:13315.0/49

All: -257.379+/-0.513 χ^2/NDF: 18232.2/92

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -86.809+/-1.468 χ^2/NDF: 575.1/19

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -72.529+/-1.325 χ^2/NDF: 976.0/24

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

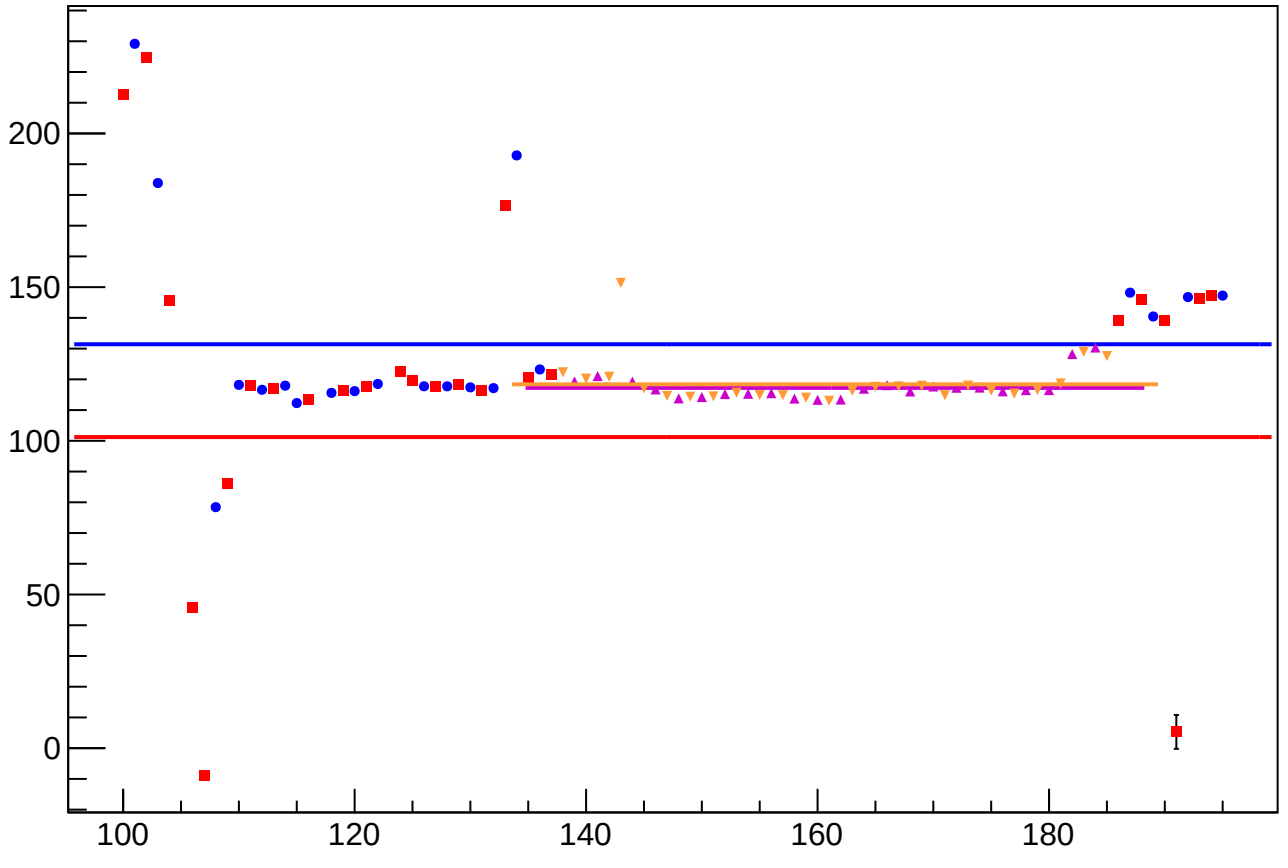
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -78.940+/-0.984 χ^2/NDF: 1603.3/44

In: -78.610+/-0.719 χ^2/NDF:1262.2/42

Out: -74.078+/-0.685 χ^2/NDF:1808.9/49

All: -76.236+/-0.496 χ^2/NDF: 3091.9/92



Right In: 131.417+/-0.082 χ^2/NDF: 189389.1/19

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 101.218+/-0.071 χ^2/NDF: 690458.0/24

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

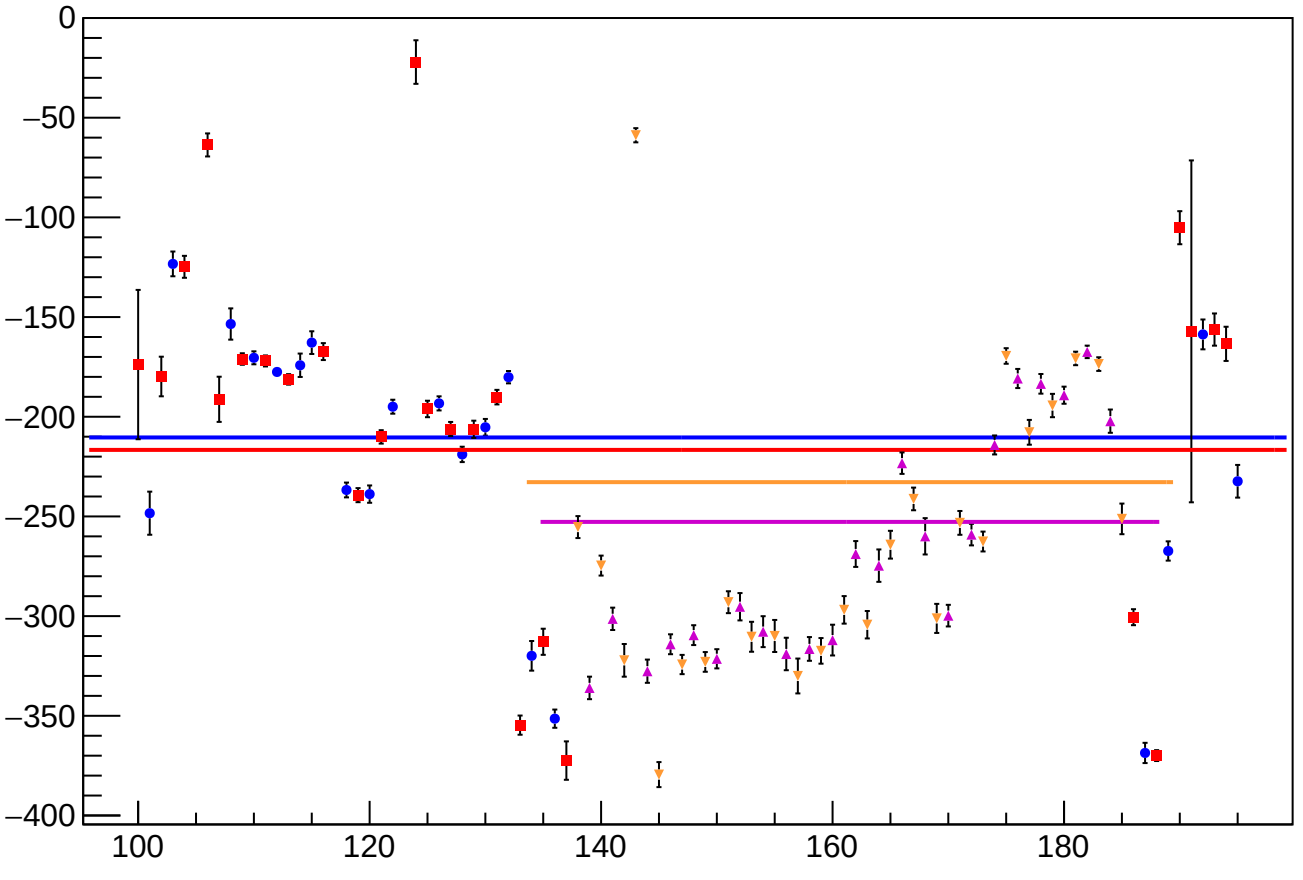
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 114.335+/-0.054 χ^2/NDF: 957397.2/44

In: 119.713+/-0.034 χ^2/NDF:224587.4/42

Out: 114.712+/-0.033 χ^2/NDF:770737.3/49

All: 117.131+/-0.024 χ^2/NDF: 1006401.1/92



Right In: -210.385+/-0.968 χ^2/NDF: 3271.6/19

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.627+/-0.879 χ^2/NDF: 7440.0/24

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

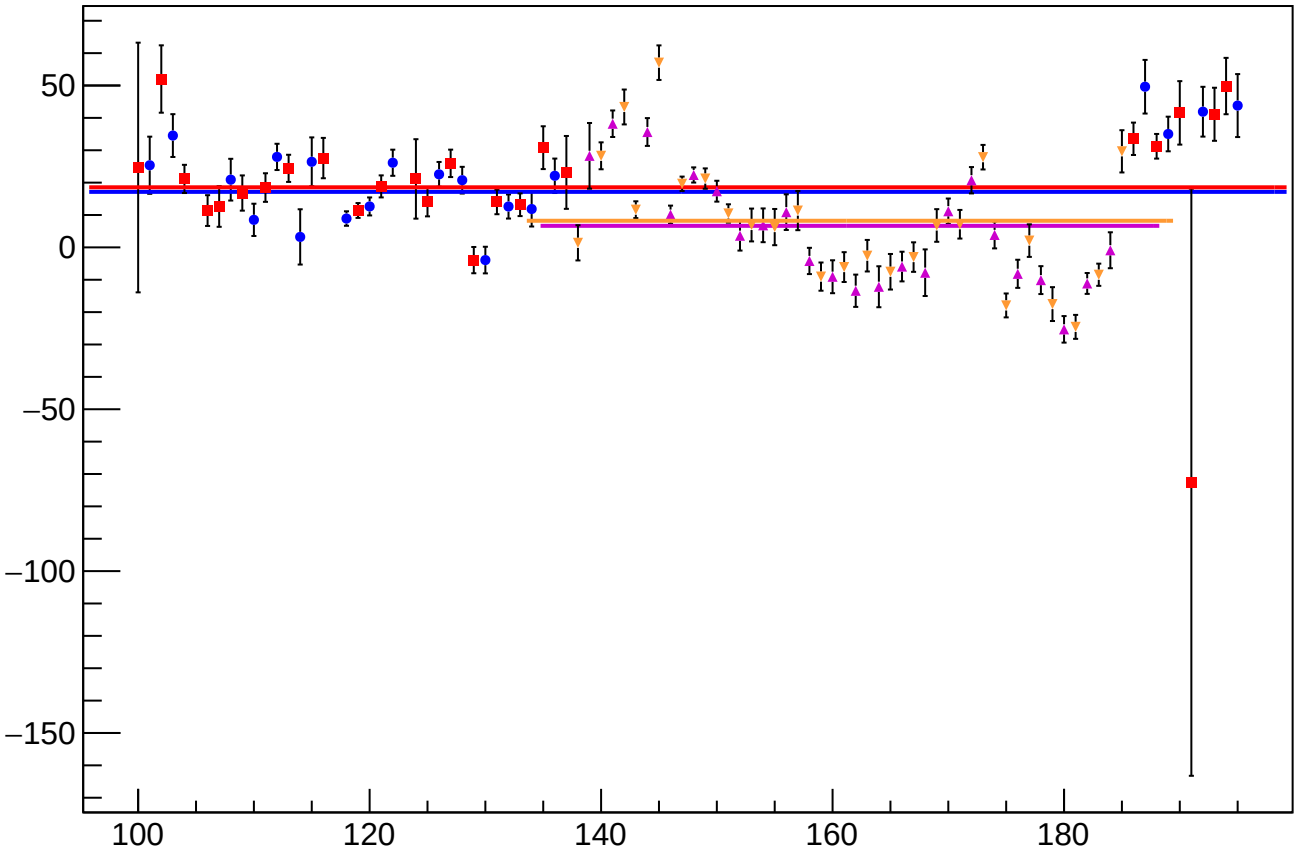
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -213.804+/-0.651 χ^2/NDF: 10734.5/44

In: -228.291+/-0.735 χ^2/NDF:6995.3/42

Out: -223.131+/-0.680 χ^2/NDF:13340.1/49

All: -225.509+/-0.499 χ^2/NDF: 20362.0/92



Right In: 17.149+/-1.006 χ^2/NDF: 120.3/19

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 18.558+/-0.963 χ^2/NDF: 117.0/24

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

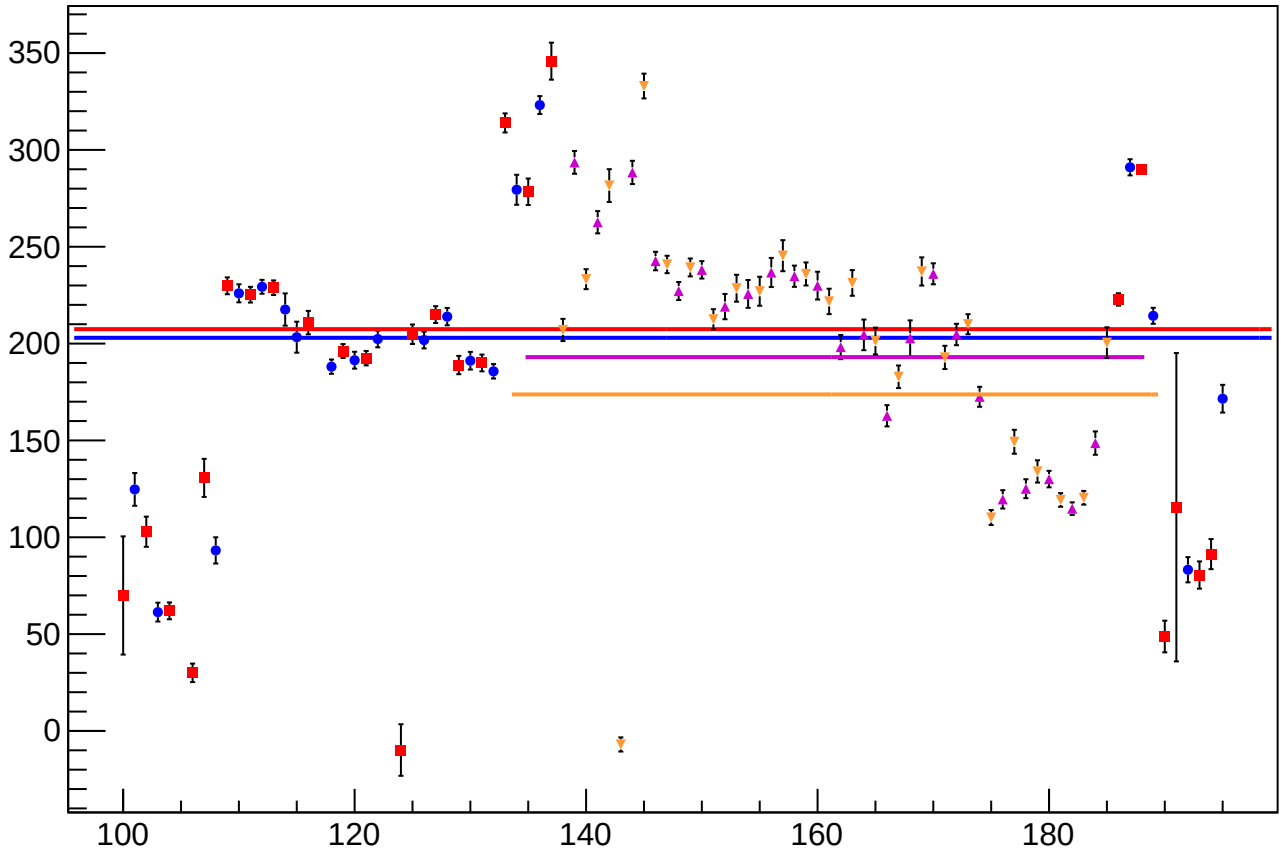
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 17.884+/-0.696 χ^2/NDF: 238.4/44

In: 11.077+/-0.653 χ^2/NDF:538.1/42

Out: 12.460+/-0.617 χ^2/NDF:642.9/49

All: 11.808+/-0.448 χ^2/NDF: 1183.4/92



Right In: 202.984+/-1.079 χ^2/NDF: 2919.4/19

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 207.459+/-0.949 χ^2/NDF: 6301.1/24

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

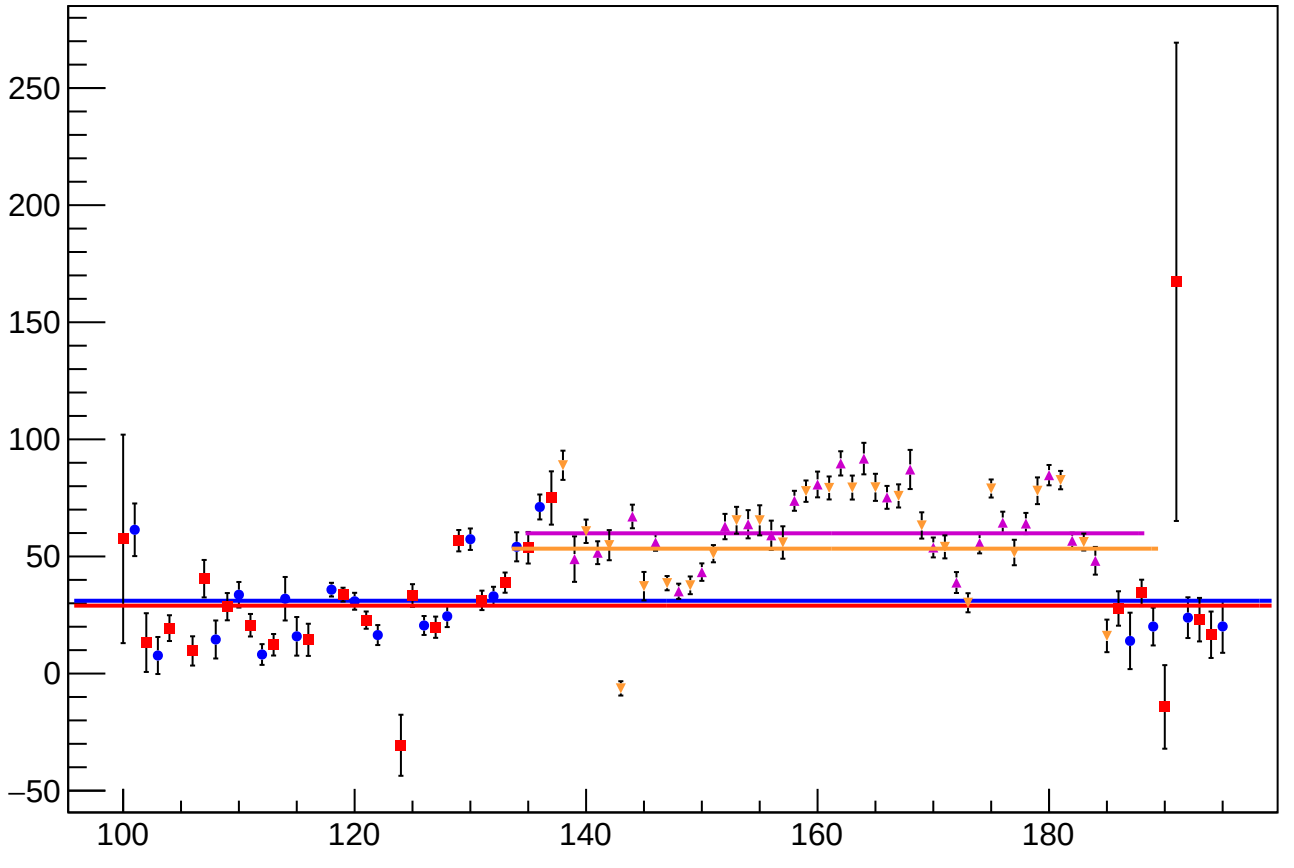
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 205.508+/-0.713 χ^2/NDF: 9230.2/44

In: 198.199+/-0.778 χ^2/NDF:5472.4/42

Out: 192.598+/-0.710 χ^2/NDF:12118.2/49

All: 195.142+/-0.524 χ^2/NDF: 17618.8/92



Right In: 31.088+/-1.179 χ^2/NDF: 182.8/19

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.003+/-1.137 χ^2/NDF: 151.6/24

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

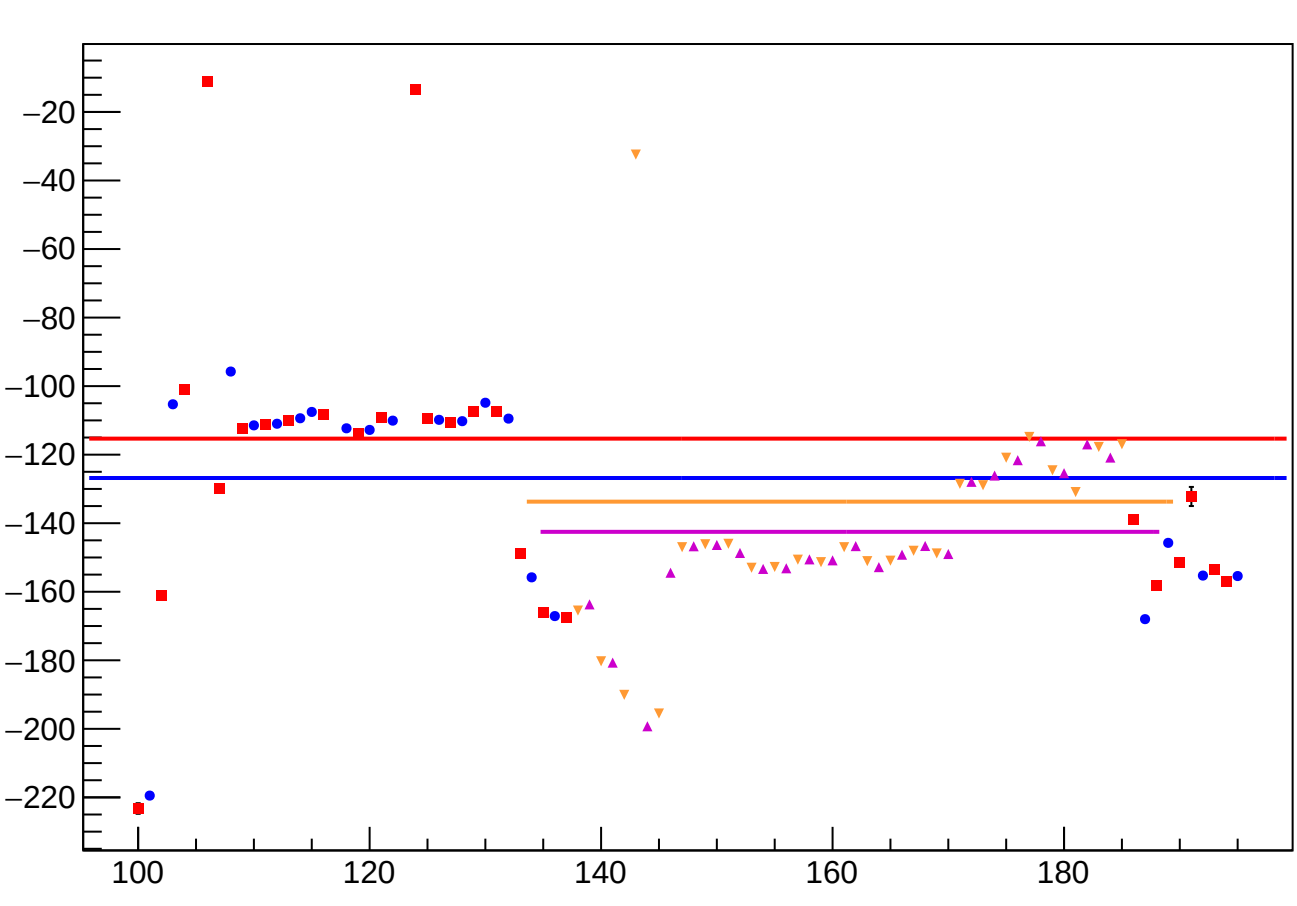
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 30.007+/-0.819 χ^2/NDF: 336.0/44

In: 48.169+/-0.752 χ^2/NDF:787.7/42

Out: 43.684+/-0.716 χ^2/NDF:1206.8/49

All: 45.816+/-0.519 χ^2/NDF: 2013.1/92



Right In: -126.810+/-0.072 χ^2/NDF: 149063.8/19

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -115.321+/-0.067 χ^2/NDF: 440768.9/24

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

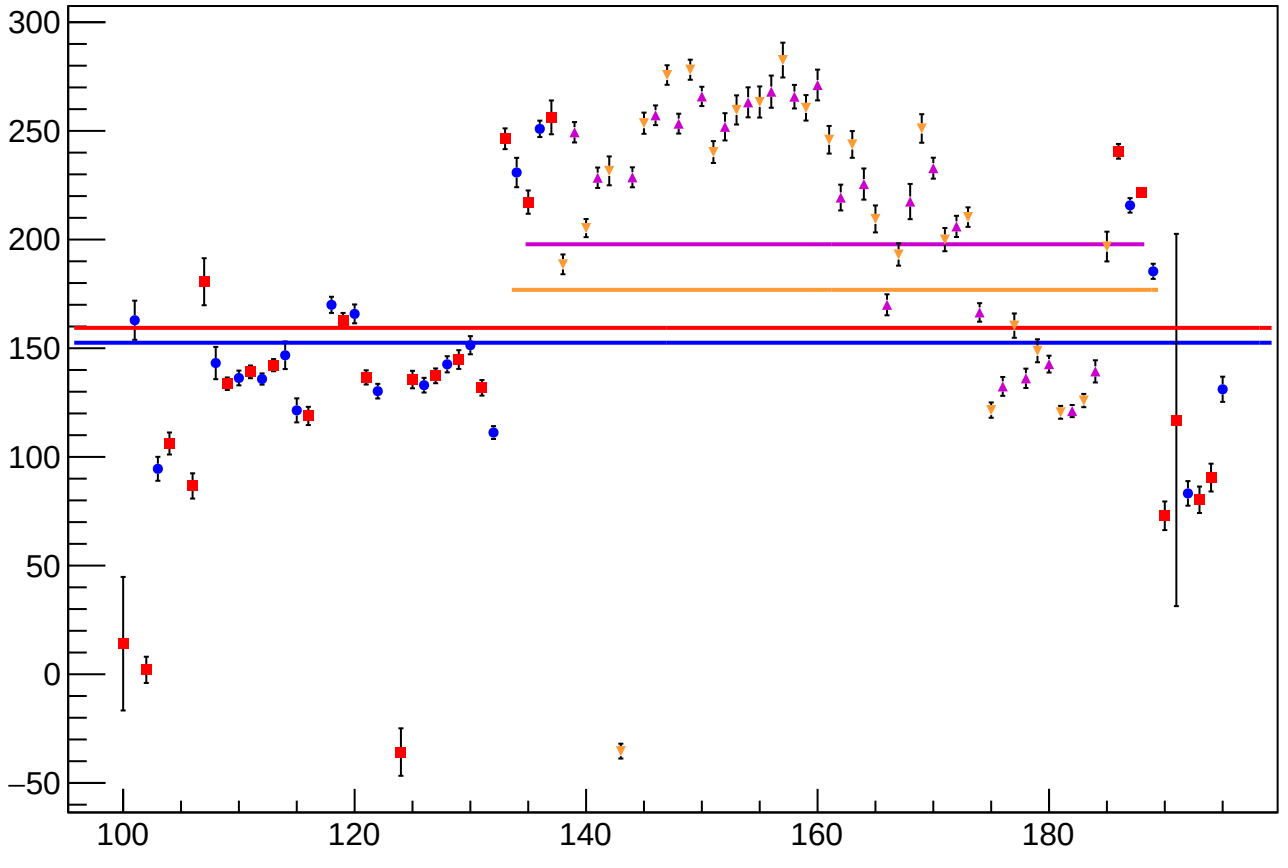
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -120.634+/-0.049 χ^2/NDF: 603472.8/44

In: -138.199+/-0.038 χ^2/NDF:361936.9/42

Out: -128.362+/-0.036 χ^2/NDF:1170286.3/49

All: -133.048+/-0.026 χ^2/NDF: 1567647.2/92



Right In: 152.536+/-0.903 χ^2/NDF: 1945.8/19

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 159.378+/-0.800 χ^2/NDF: 4605.2/24

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

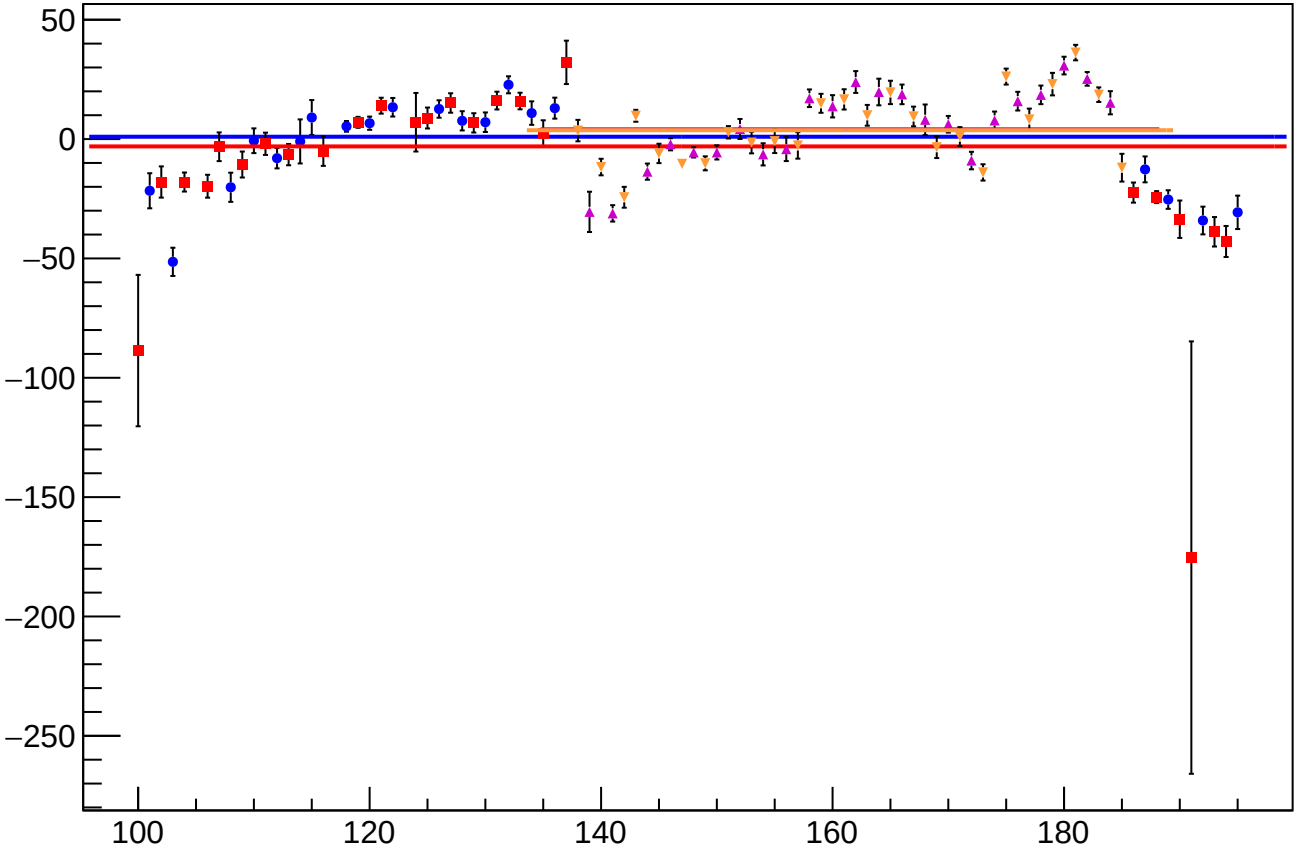
Right: 156.367+/-0.599 χ^2/NDF: 6583.2/44

In: 172.736+/-0.672 χ^2/NDF:6036.5/42

Out: 166.578+/-0.614 χ^2/NDF:12226.7/49

All: 169.381+/-0.453 χ^2/NDF: 18309.0/92

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.985+/-0.949 χ^2/NDF: 296.7/19

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -3.069+/-0.891 χ^2/NDF: 376.3/24

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

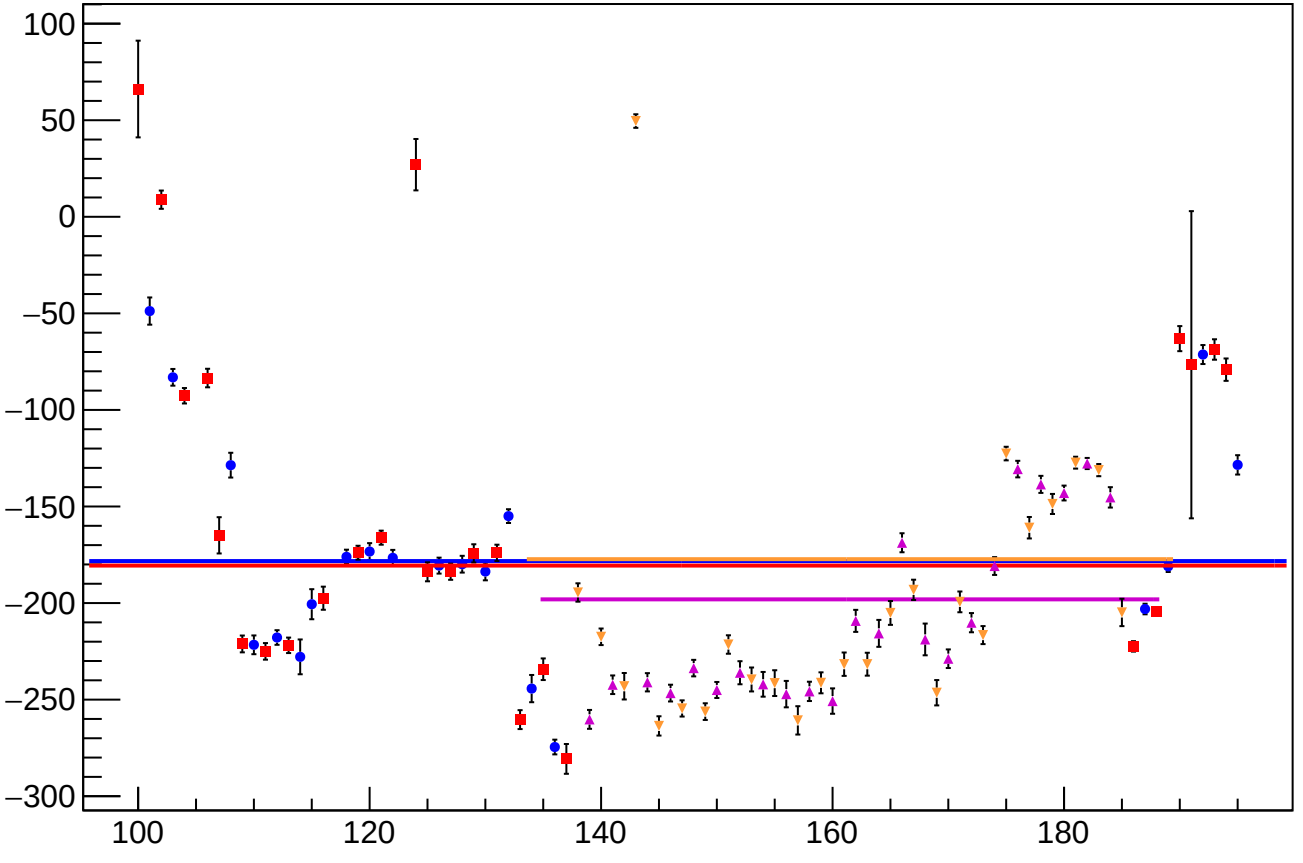
Right: -1.169+/-0.650 χ^2/NDF: 682.6/44

In: 2.868+/-0.597 χ^2/NDF:702.1/42

Out: 1.017+/-0.562 χ^2/NDF:812.1/49

All: 1.885+/-0.409 χ^2/NDF: 1519.3/92

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -178.256+/-0.961 χ^2/NDF: 2535.5/19

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -180.585+/-0.810 χ^2/NDF: 5300.7/24

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

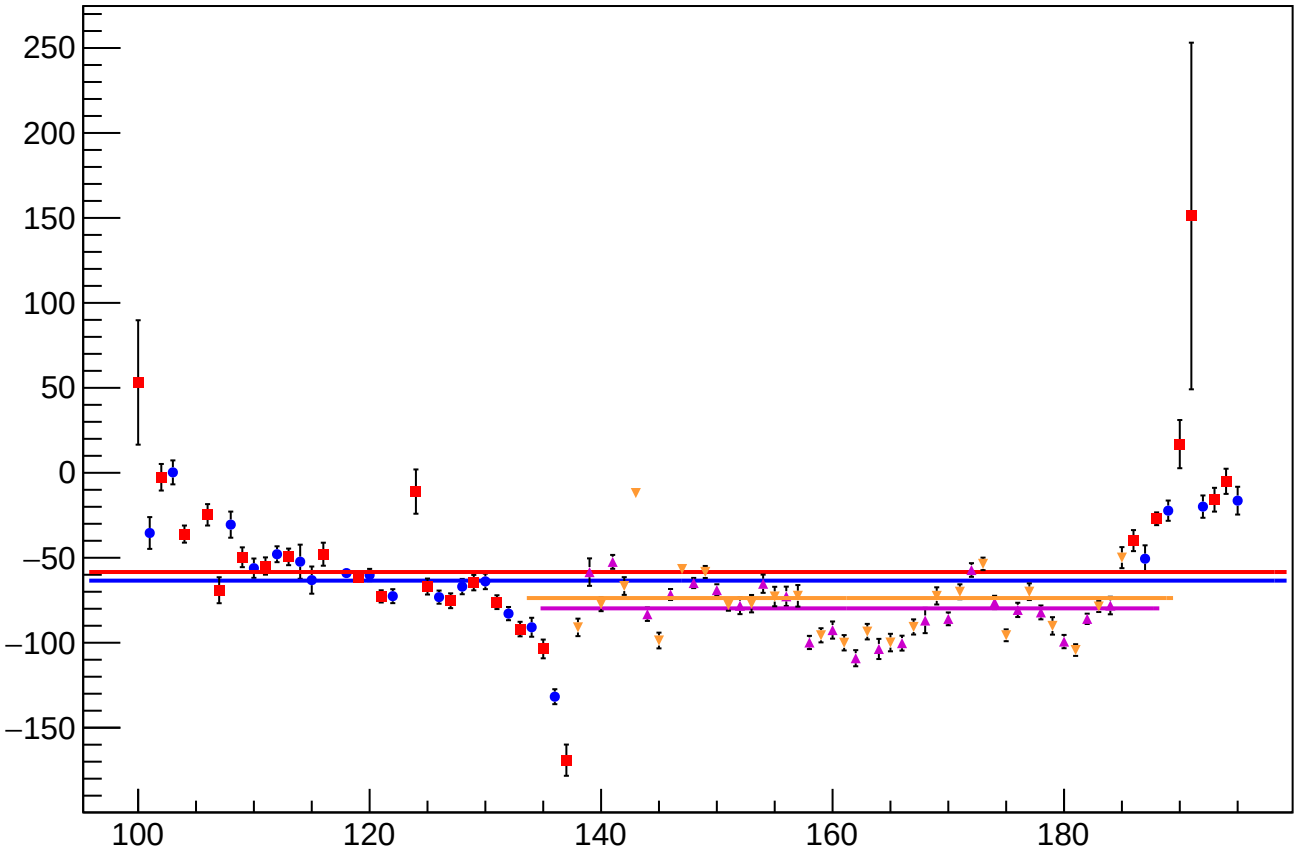
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -179.617+/-0.619 χ^2/NDF: 7839.6/44

In: -187.774+/-0.693 χ^2/NDF:5126.3/42

Out: -179.204+/-0.618 χ^2/NDF:12347.6/49

All: -183.003+/-0.461 χ^2/NDF: 17559.1/92



Right In: -63.453+/-1.119 χ^2/NDF: 554.7/19

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -58.381+/-1.069 χ^2/NDF: 662.1/24

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

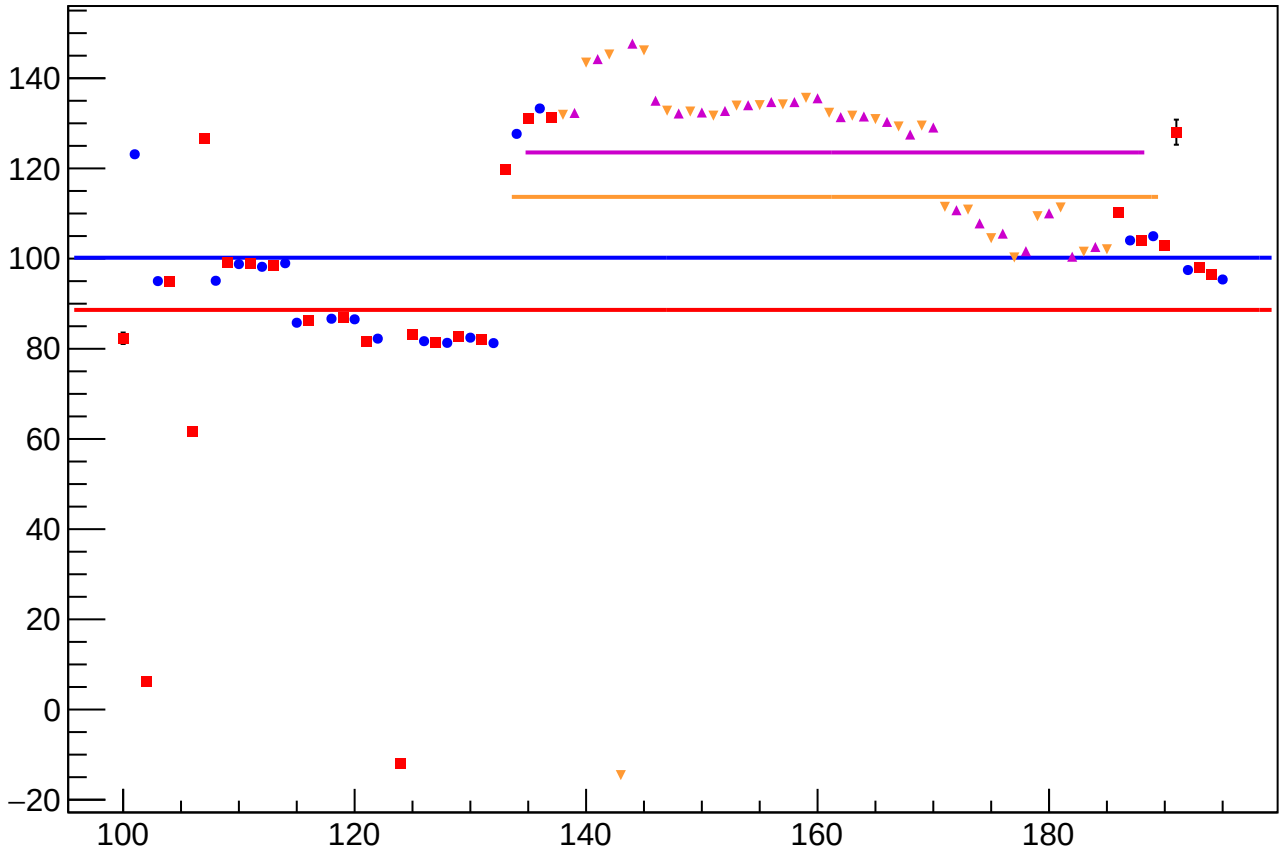
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -60.801+/-0.773 χ^2/NDF: 1227.5/44

In: -73.589+/-0.689 χ^2/NDF:964.0/42

Out: -67.950+/-0.655 χ^2/NDF:1630.1/49

All: -70.628+/-0.475 χ^2/NDF: 2629.3/92



Right In: 100.197+/-0.065 χ^2/NDF: 68407.2/19

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 88.622+/-0.059 χ^2/NDF: 280740.3/24

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

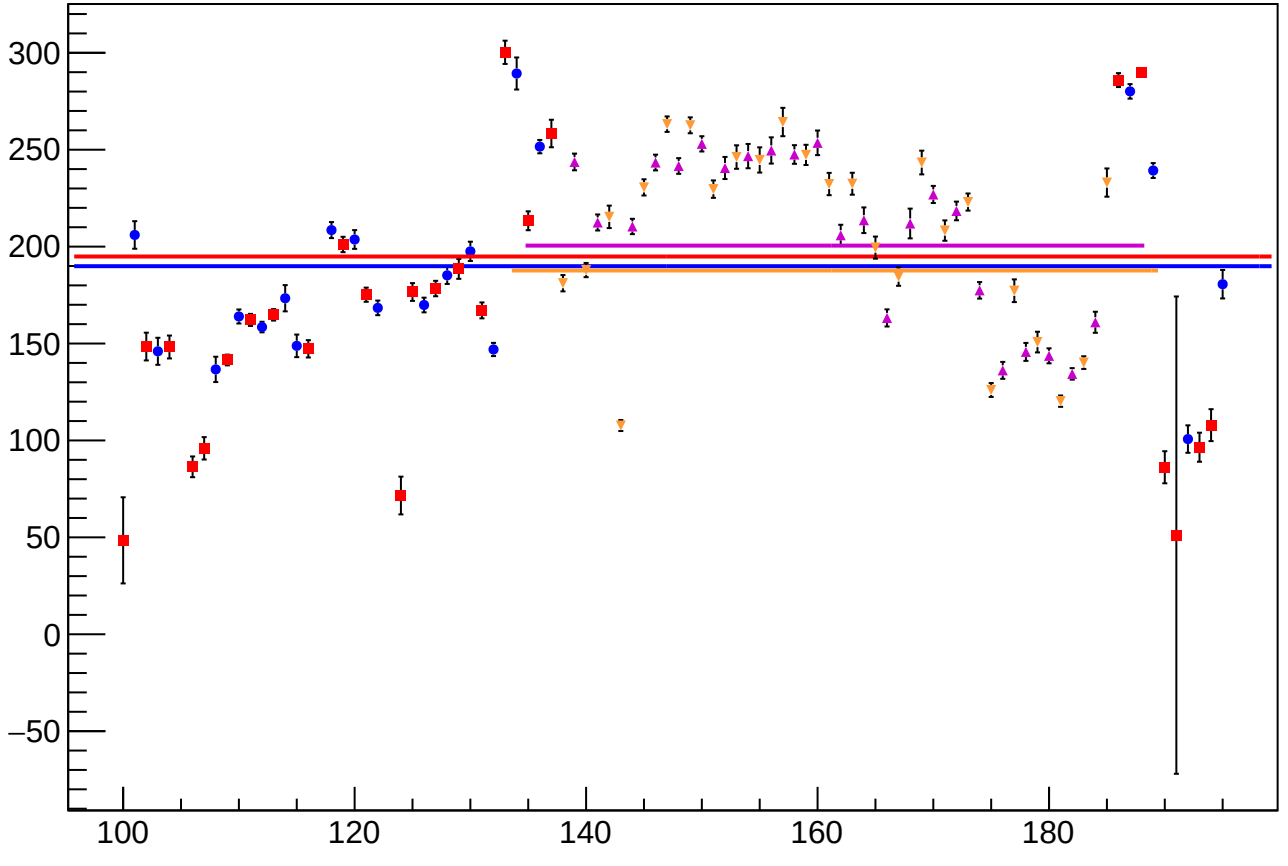
Right: 93.897+/-0.044 χ^2/NDF: 366673.4/44

In: 117.144+/-0.034 χ^2/NDF:298107.3/42

Out: 106.244+/-0.032 χ^2/NDF:1370688.4/49

All: 111.430+/-0.023 χ^2/NDF: 1723451.8/92

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.902+/-0.990 χ^2/NDF: 1969.4/19

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.895+/-0.864 χ^2/NDF: 5624.7/24

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

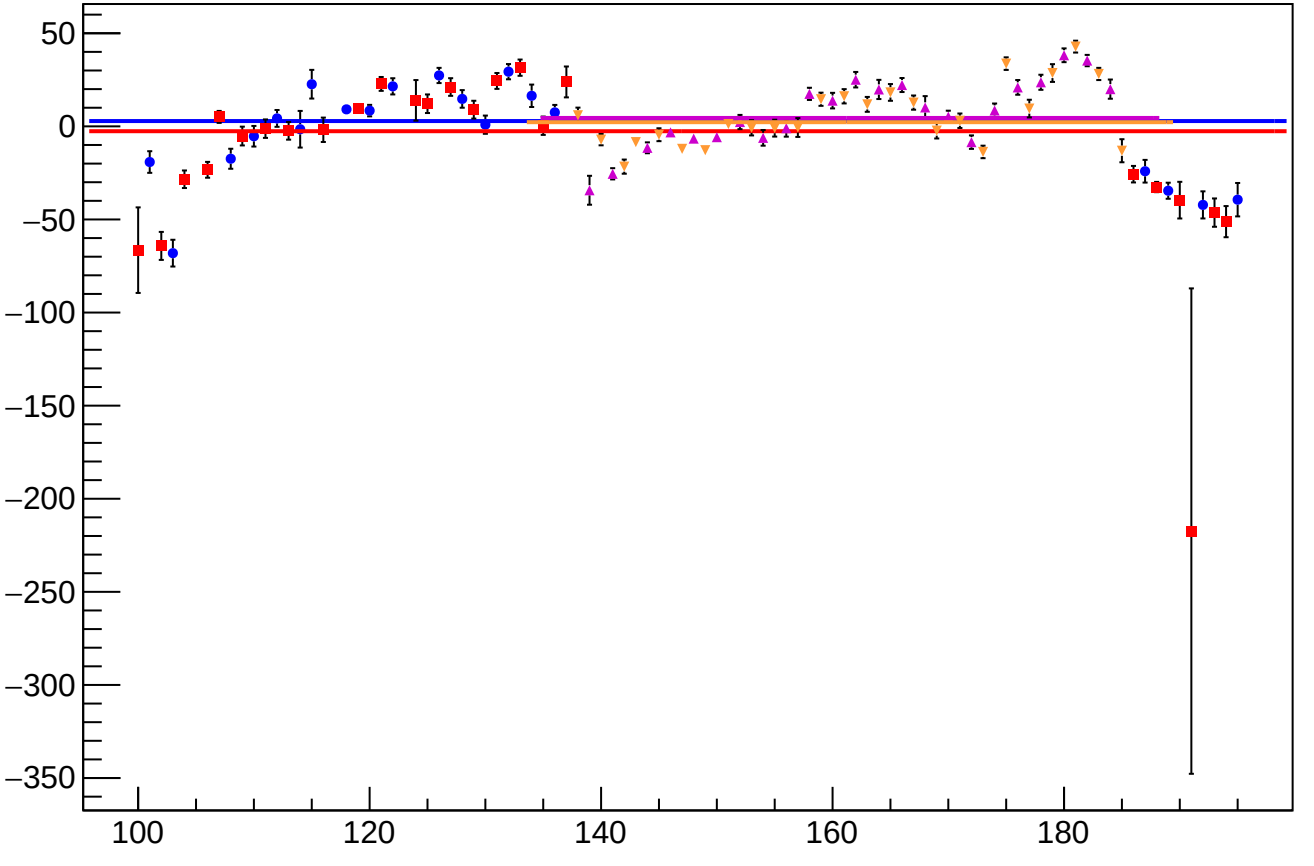
Right: 192.738+/-0.651 χ^2/NDF: 7608.6/44

In: 195.405+/-0.687 χ^2/NDF:4140.4/42

Out: 191.426+/-0.622 χ^2/NDF:9186.6/49

All: 193.218+/-0.461 χ^2/NDF: 13345.4/92

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.848+/-1.043 χ^2/NDF: 409.1/19

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

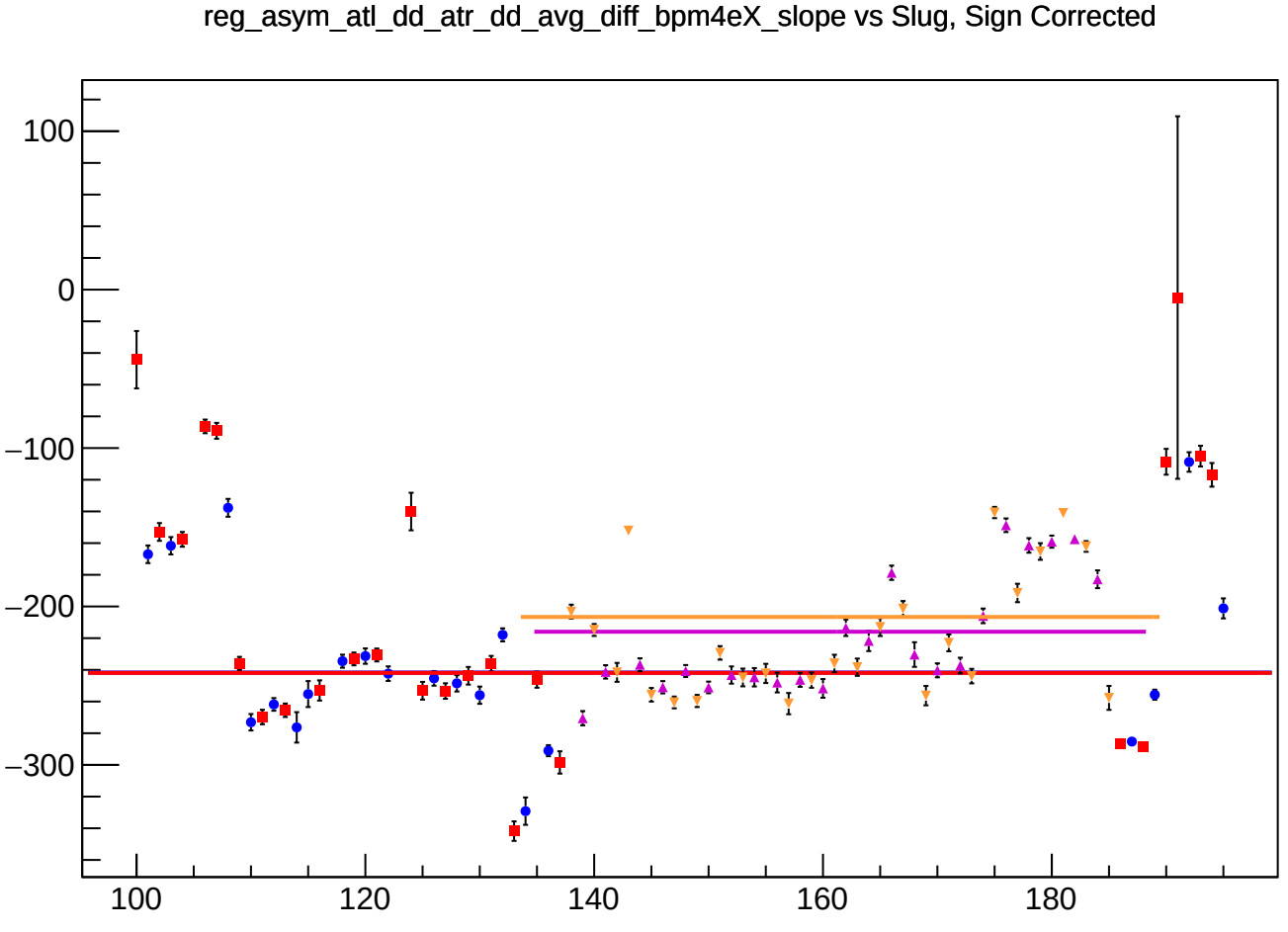
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -0.136+/-0.702 χ^2/NDF: 1010.4/44

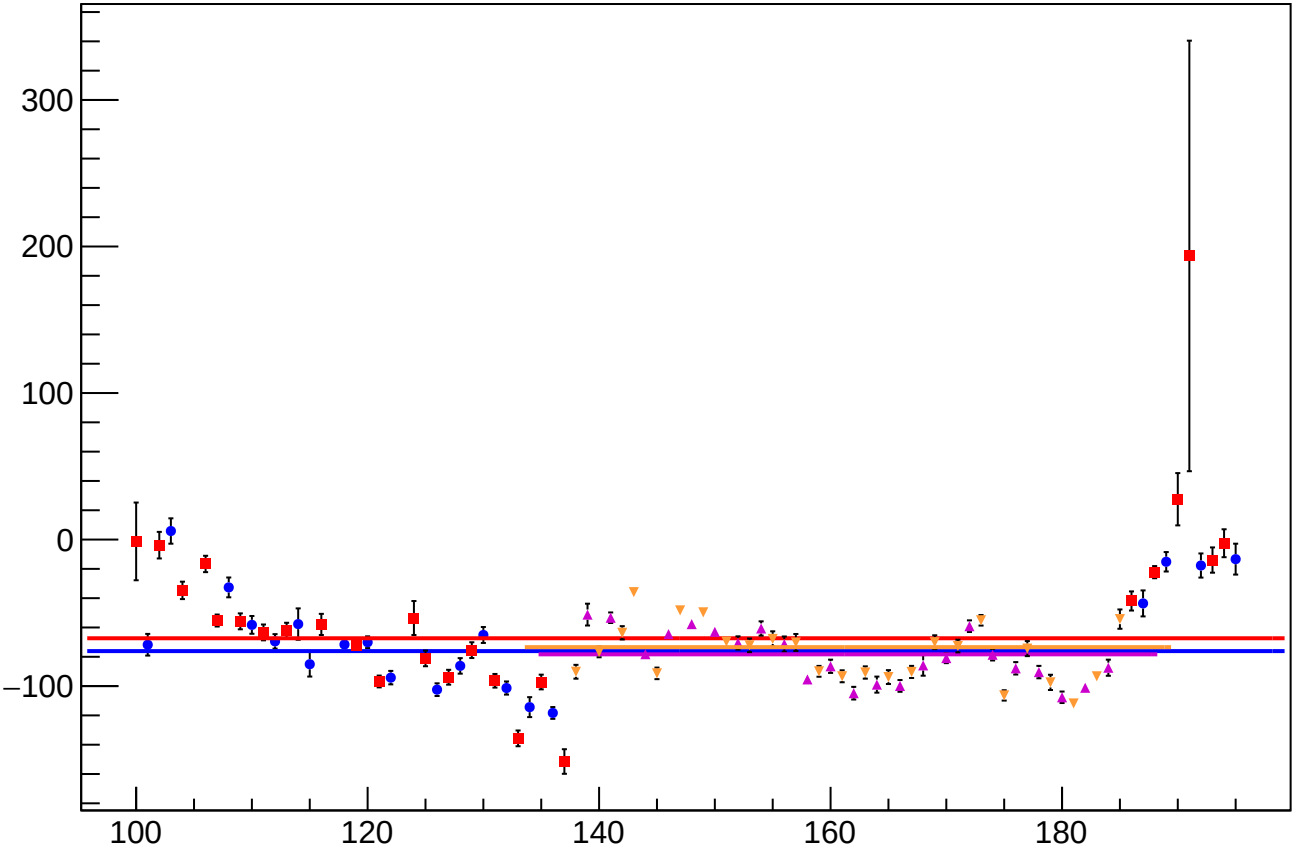
In: 3.981+/-0.589 χ^2/NDF:957.9/42

Out: 0.649+/-0.544 χ^2/NDF:1204.8/49

All: 2.183+/-0.400 χ^2/NDF: 2180.0/92


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
Right In: -241.709+/-1.054 χ²/NDF: 1891.3/19
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -241.912+/-0.878 χ²/NDF: 5533.1/24
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -241.829+/-0.675 χ²/NDF: 7424.5/44
In: -227.433+/-0.704 χ²/NDF:3934.2/42
Out: -224.602+/-0.627 χ²/NDF:8793.9/49
All: -225.853+/-0.468 χ²/NDF: 12737.1/92

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -76.121+/-1.228 χ^2/NDF: 567.4/19

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -67.359+/-1.140 χ^2/NDF: 863.2/24

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

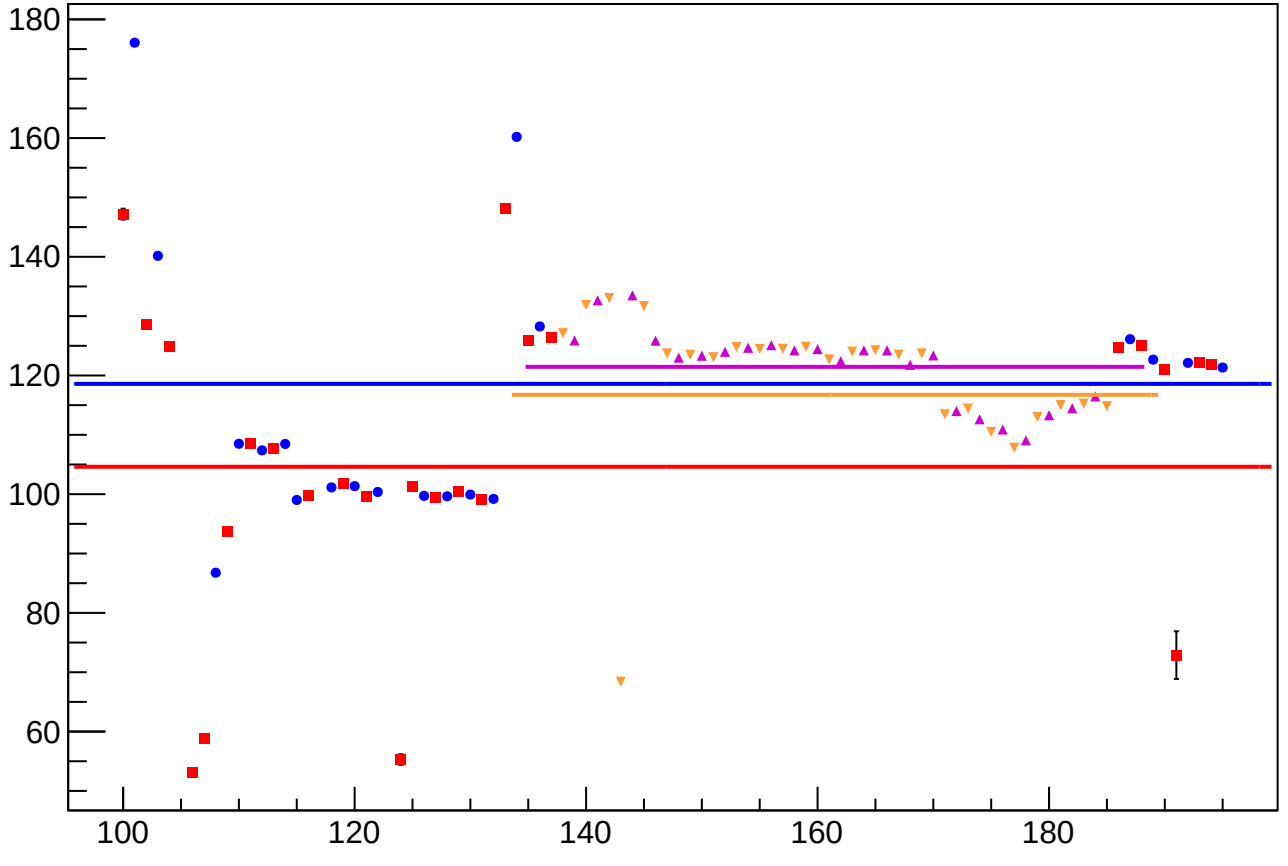
Right: -71.413+/-0.835 χ^2/NDF: 1457.9/44

In: -77.651+/-0.680 χ^2/NDF:1012.9/42

Out: -71.535+/-0.636 χ^2/NDF:1719.3/49

All: -74.388+/-0.465 χ^2/NDF: 2775.2/92

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.583+/-0.070 χ^2/NDF: 96189.3/19

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

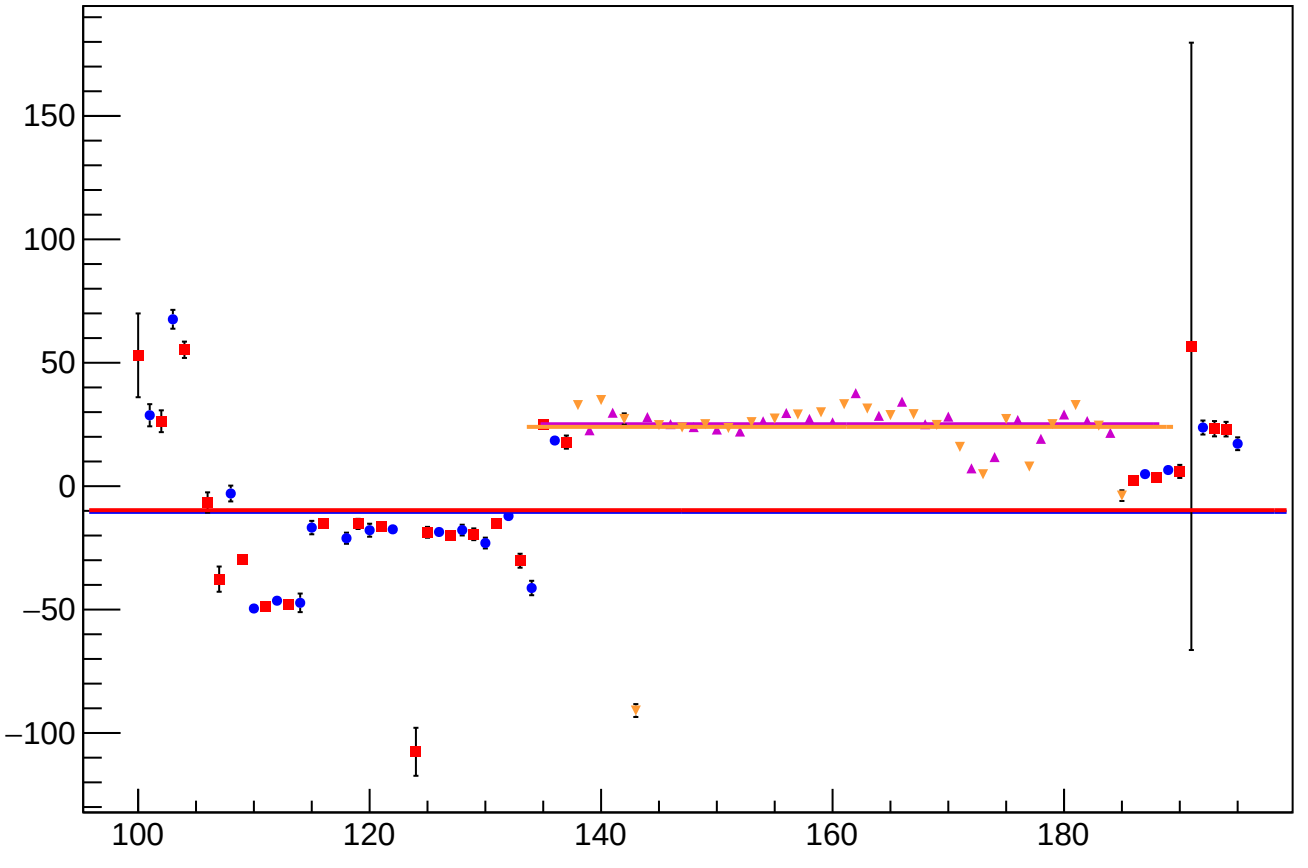
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 110.759+/-0.047 χ^2/NDF: 308696.4/44

In: 120.827+/-0.033 χ^2/NDF:126284.8/42

Out: 113.736+/-0.031 χ^2/NDF:422521.2/49

All: 117.074+/-0.023 χ^2/NDF: 573332.6/92



Right In: -10.411+/-0.484 χ^2/NDF: 2613.9/19

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -9.730+/-0.428 χ^2/NDF: 2882.1/24

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

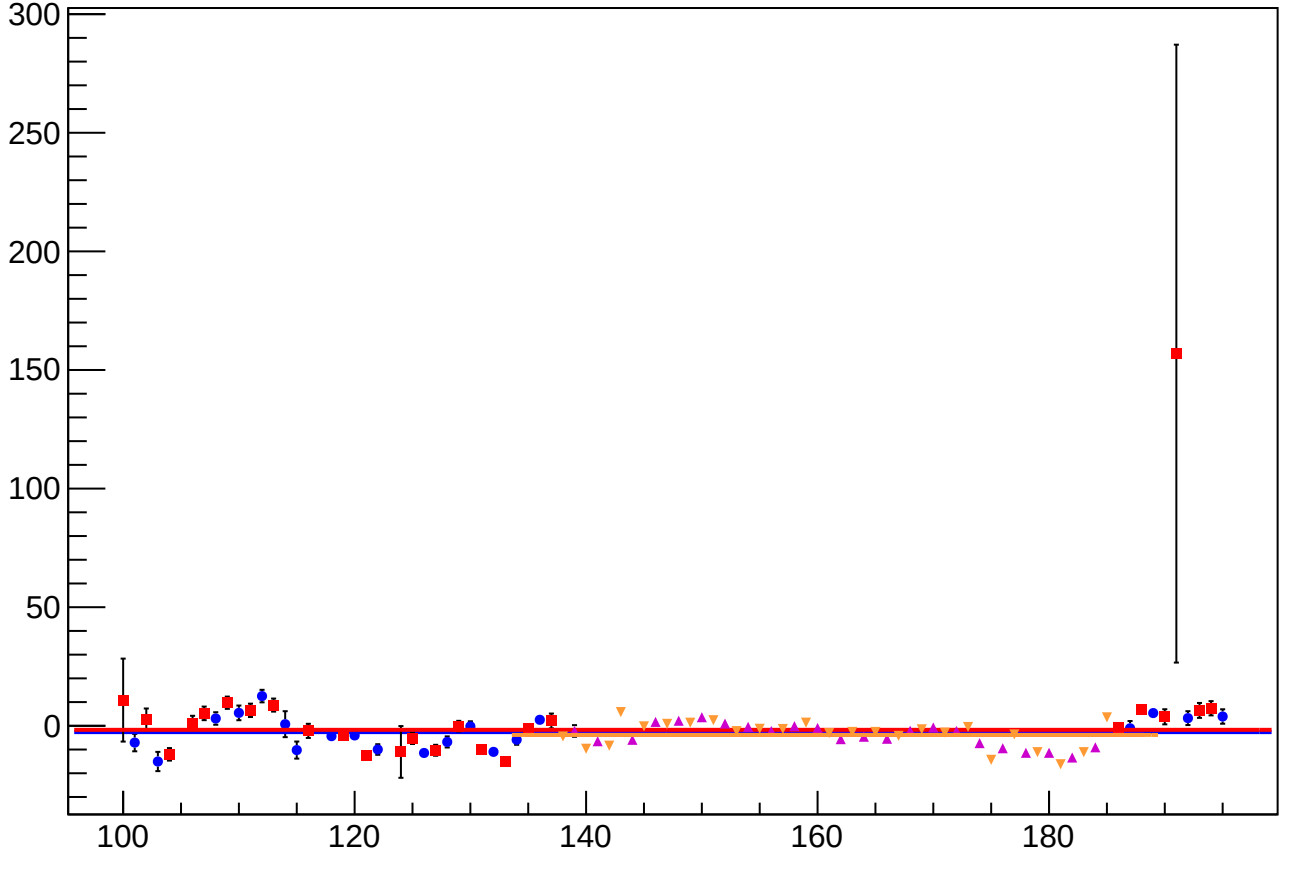
Right: -10.030+/-0.321 χ^2/NDF: 5497.1/44

In: 15.841+/-0.247 χ^2/NDF:7089.1/42

Out: 13.813+/-0.236 χ^2/NDF:10018.7/49

All: 14.779+/-0.170 χ^2/NDF: 17143.1/92

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.655+/-0.511 χ^2/NDF: 150.8/19

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.696+/-0.481 χ^2/NDF: 229.2/24

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

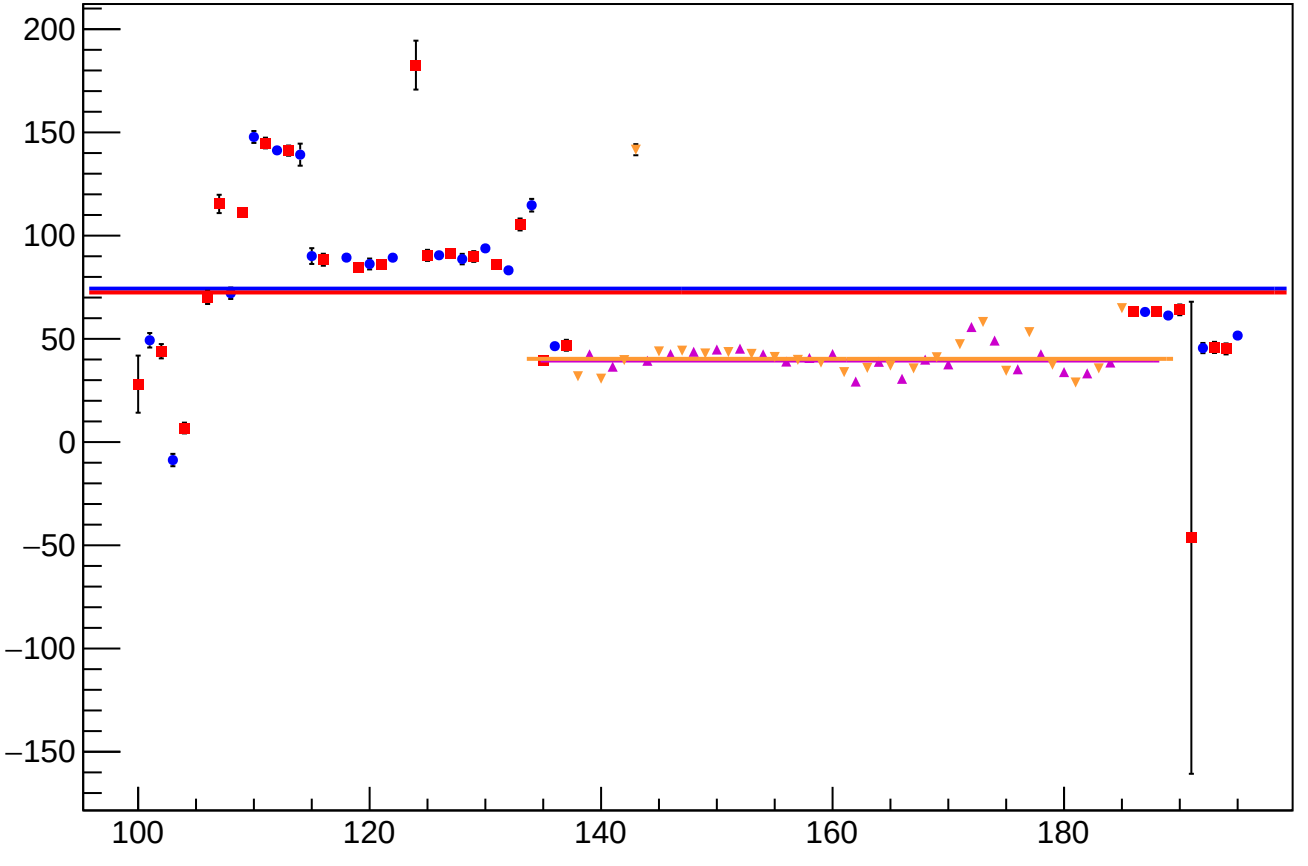
Right: -2.147+/-0.350 χ^2/NDF: 381.9/44

In: -3.599+/-0.205 χ^2/NDF:664.7/42

Out: -3.480+/-0.198 χ^2/NDF:895.1/49

All: -3.537+/-0.143 χ^2/NDF: 1560.1/92

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 74.326+/-0.509 χ^2/NDF: 3710.7/19

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 72.463+/-0.430 χ^2/NDF: 3976.2/24

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

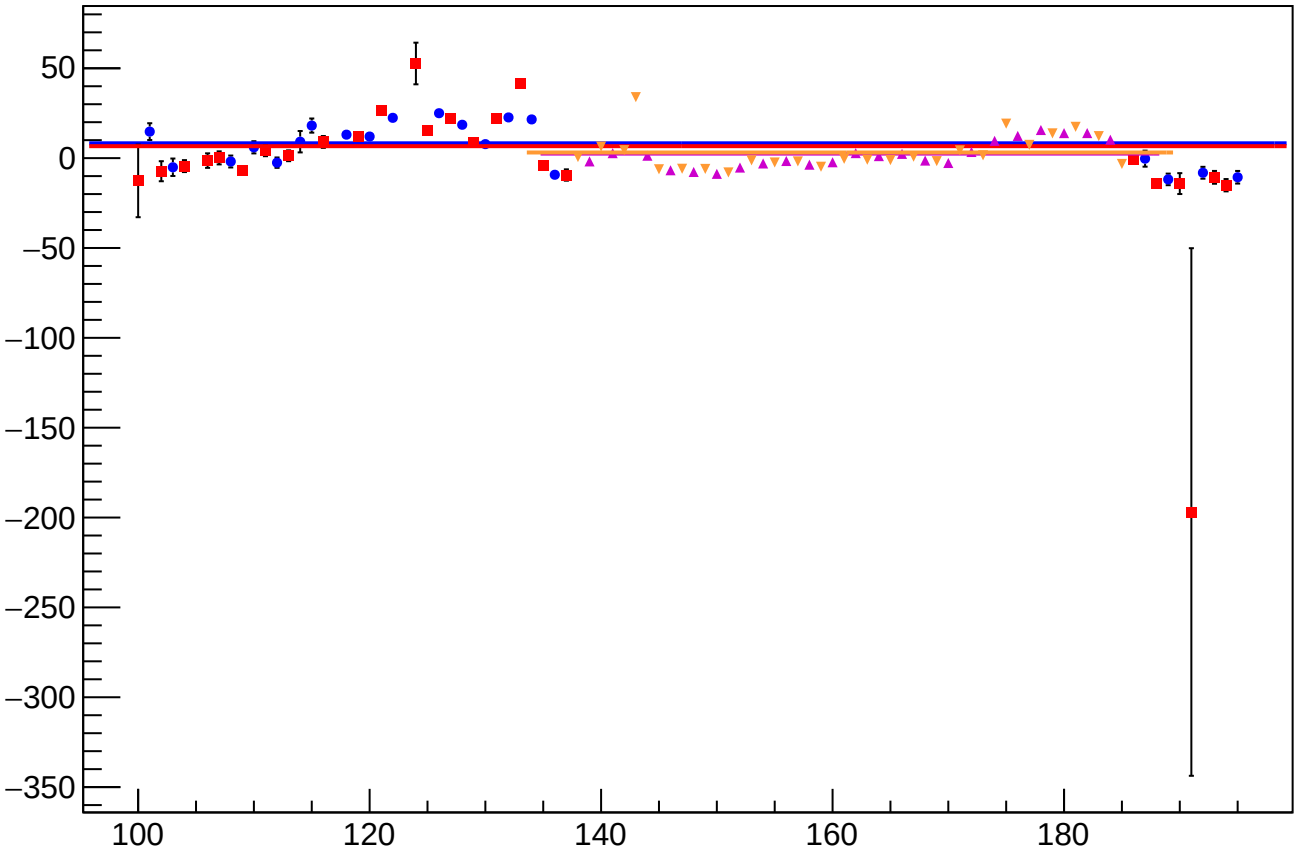
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 73.238+/-0.328 χ^2/NDF: 7694.7/44

In: 47.803+/-0.248 χ^2/NDF:7707.5/42

Out: 49.909+/-0.235 χ^2/NDF:10088.5/49

All: 48.916+/-0.171 χ^2/NDF: 17834.1/92



Right In: 8.249+/-0.591 χ^2/NDF: 467.2/19

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 6.649+/-0.574 χ^2/NDF: 683.1/24

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

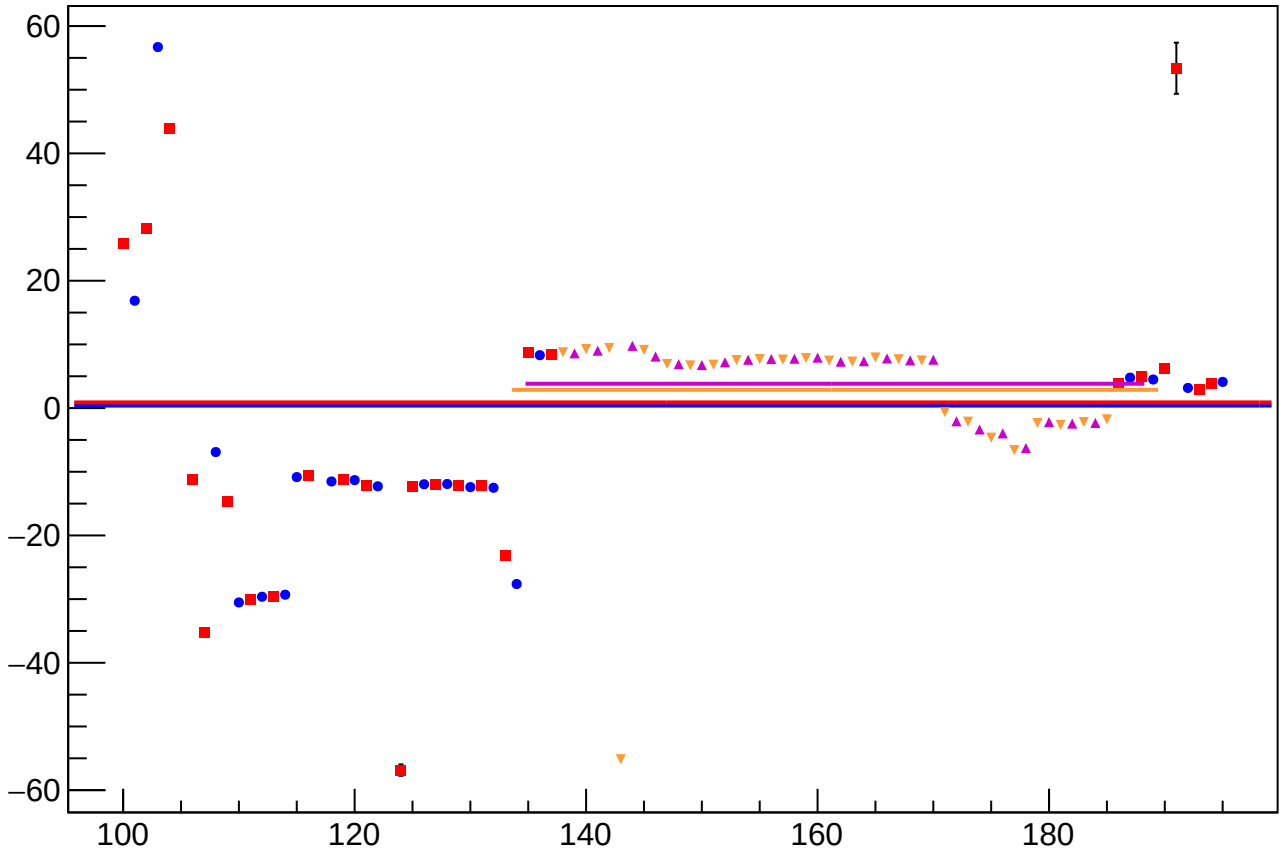
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 7.427+/-0.412 χ^2/NDF: 1154.1/44

In: 3.396+/-0.231 χ^2/NDF:1515.1/42

Out: 3.683+/-0.226 χ^2/NDF:1981.6/49

All: 3.543+/-0.161 χ^2/NDF: 3497.5/92



Right In: 0.401+/-0.031 χ^2/NDF: 372213.9/19

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.893+/-0.031 χ^2/NDF: 322085.7/24

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

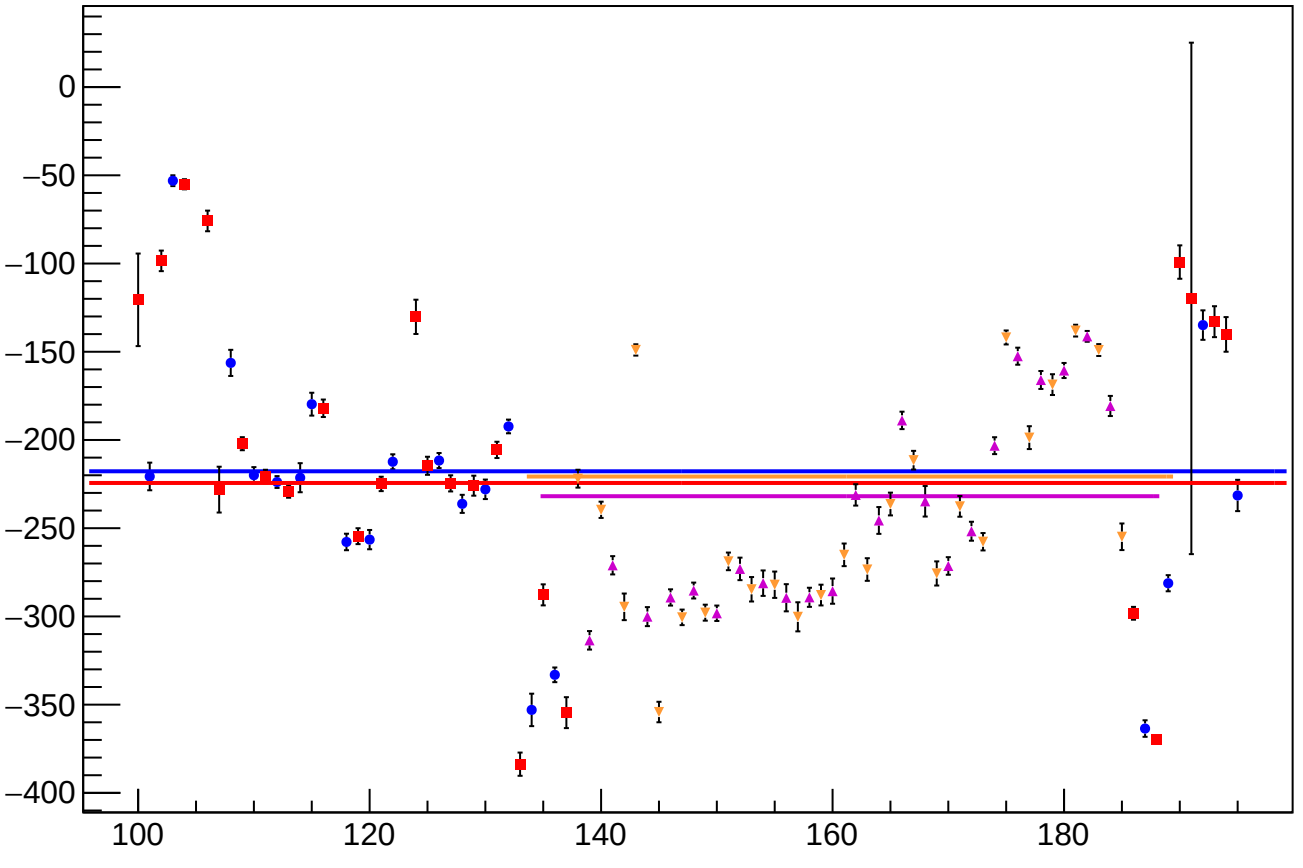
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 0.649+/-0.022 χ^2/NDF: 694425.5/44

In: 3.439+/-0.010 χ^2/NDF:616166.7/42

Out: 2.647+/-0.010 χ^2/NDF:838065.1/49

All: 3.039+/-0.007 χ^2/NDF: 1457127.0/92



Right In: -217.745+/-1.096 χ^2/NDF: 5424.0/19

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -224.363+/-0.969 χ^2/NDF: 9936.7/24

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

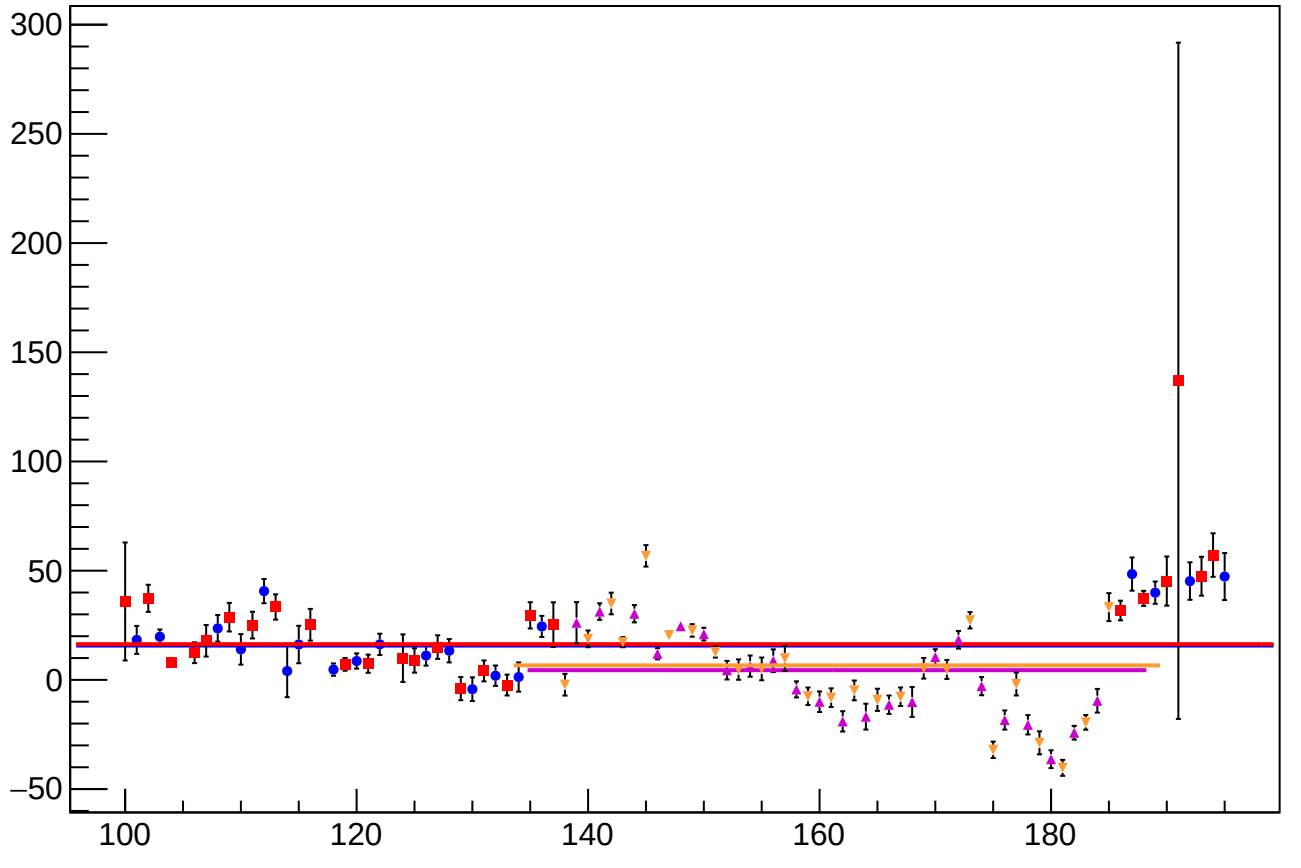
Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

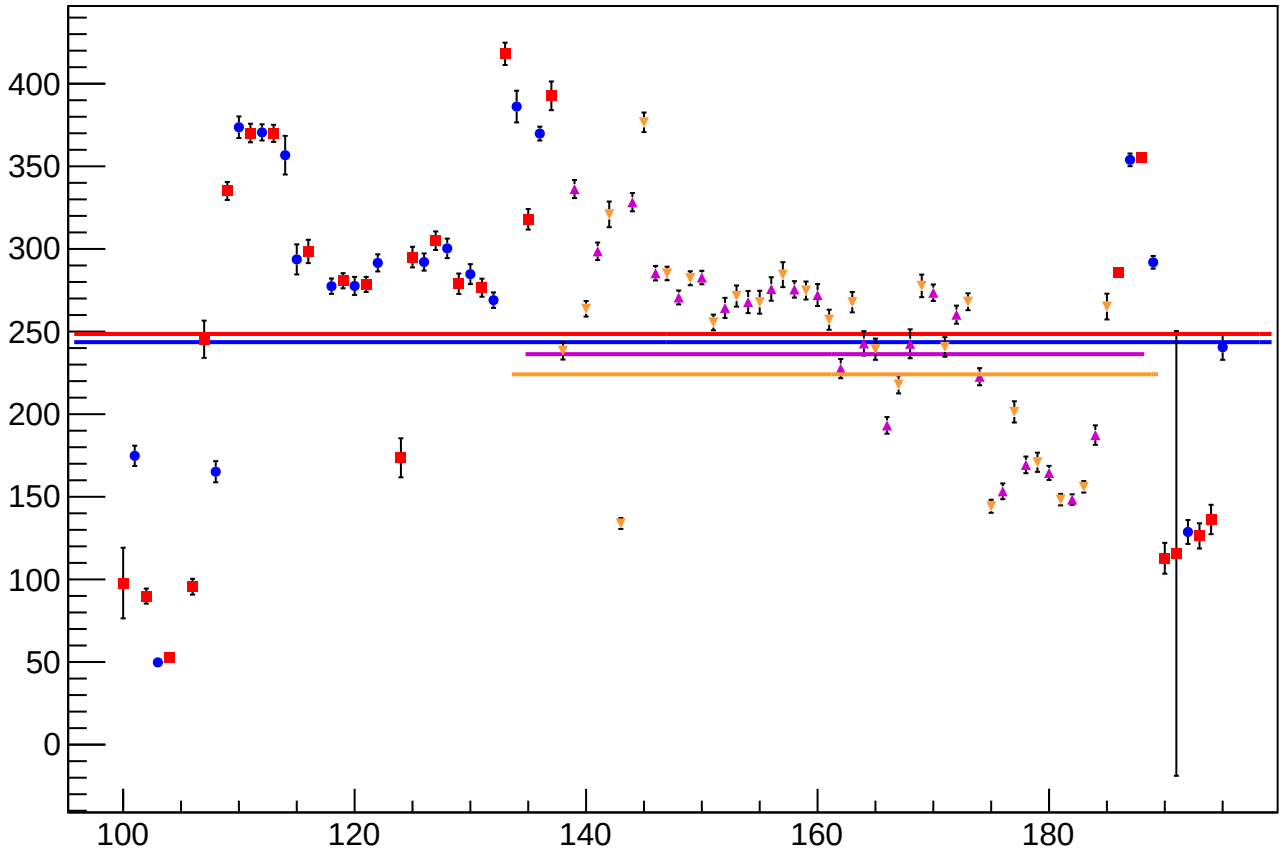
Right: -221.458+/-0.726 χ^2/NDF: 15381.1/44

In: -224.930+/-0.768 χ^2/NDF:8668.9/42

Out: -222.632+/-0.702 χ^2/NDF:13995.6/49

All: -223.678+/-0.518 χ^2/NDF: 22669.4/92


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
120
140
160
180
Right In: 15.730+/-1.140 χ²/NDF: 136.7/19
Left Out: 6.643+/-0.752 χ²/NDF:735.0/24
Right Out: 16.354+/-1.021 χ²/NDF: 185.6/24
Left In: 4.447+/-0.807 χ²/NDF:567.1/22
Left: 5.622+/-0.550 χ²/NDF: 1306.0/47
Right: 16.076+/-0.761 χ²/NDF: 322.5/44
In: 8.213+/-0.659 χ²/NDF:769.0/42
Out: 10.060+/-0.606 χ²/NDF:979.2/49
All: 9.214+/-0.446 χ²/NDF: 1752.5/92



Right In: 243.590+/-1.117 χ^2/NDF: 10721.5/19

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 248.542+/-0.950 χ^2/NDF: 16055.1/24

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

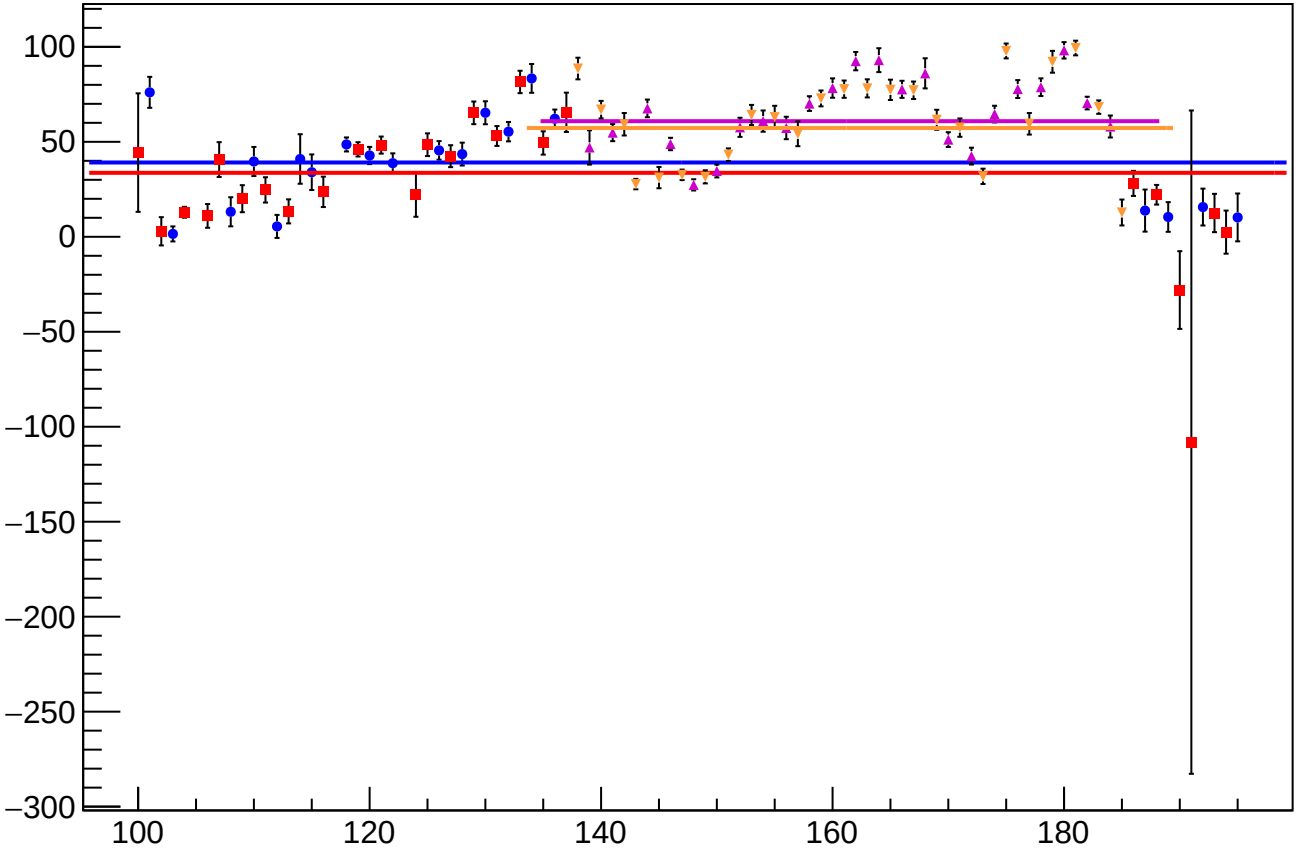
Right: 246.463+/-0.723 χ^2/NDF: 26788.0/44

In: 239.799+/-0.771 χ^2/NDF:13736.5/42

Out: 237.126+/-0.693 χ^2/NDF:20330.8/49

All: 238.320+/-0.516 χ^2/NDF: 34073.9/92

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.118+/-1.344 χ^2/NDF: 278.0/19

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 33.679+/-1.234 χ^2/NDF: 282.9/24

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

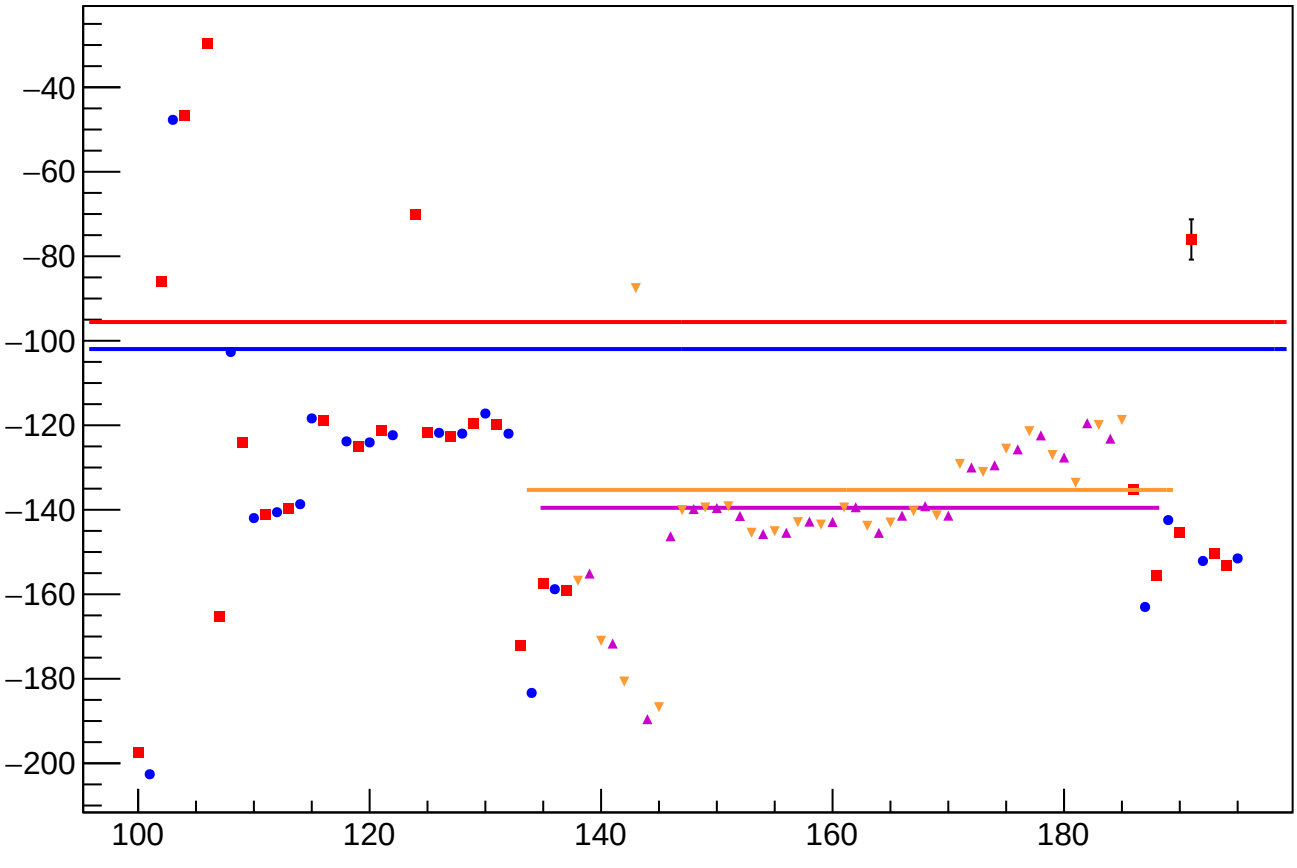
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 36.166+/-0.909 χ^2/NDF: 569.8/44

In: 53.909+/-0.761 χ^2/NDF:910.8/42

Out: 49.473+/-0.710 χ^2/NDF:1295.7/49

All: 51.538+/-0.519 χ^2/NDF: 2224.7/92



Right In: -101.959+/-0.065 χ^2/NDF: 594625.8/19

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -95.564+/-0.062 χ^2/NDF: 627262.8/24

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

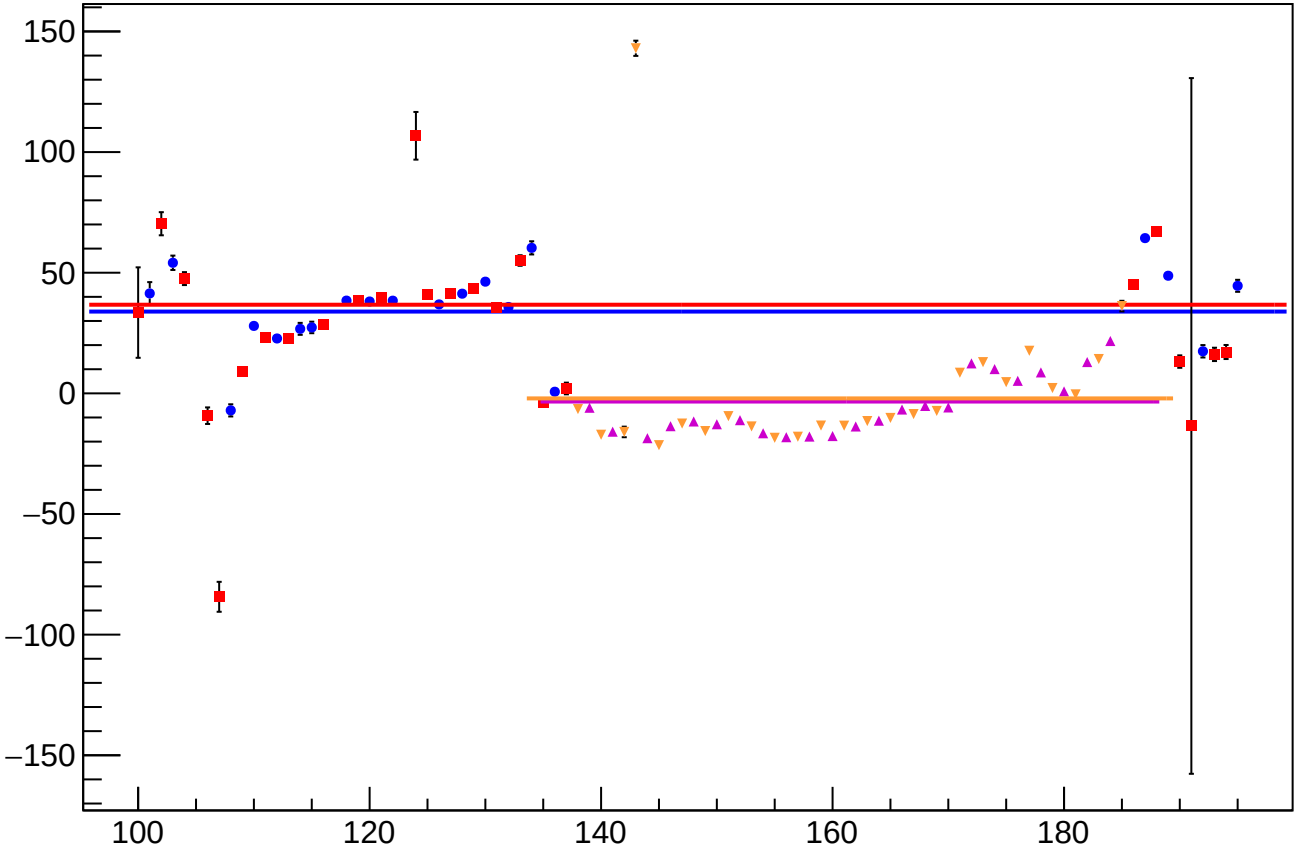
Right: -98.584+/-0.045 χ^2/NDF: 1226964.5/44

In: -128.475+/-0.035 χ^2/NDF:943420.5/42

Out: -123.300+/-0.034 χ^2/NDF:1179928.5/49

All: -125.777+/-0.024 χ^2/NDF: 2134507.8/92

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 33.899+/-0.377 χ^2/NDF: 2210.7/19

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.735+/-0.324 χ^2/NDF: 4484.3/24

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

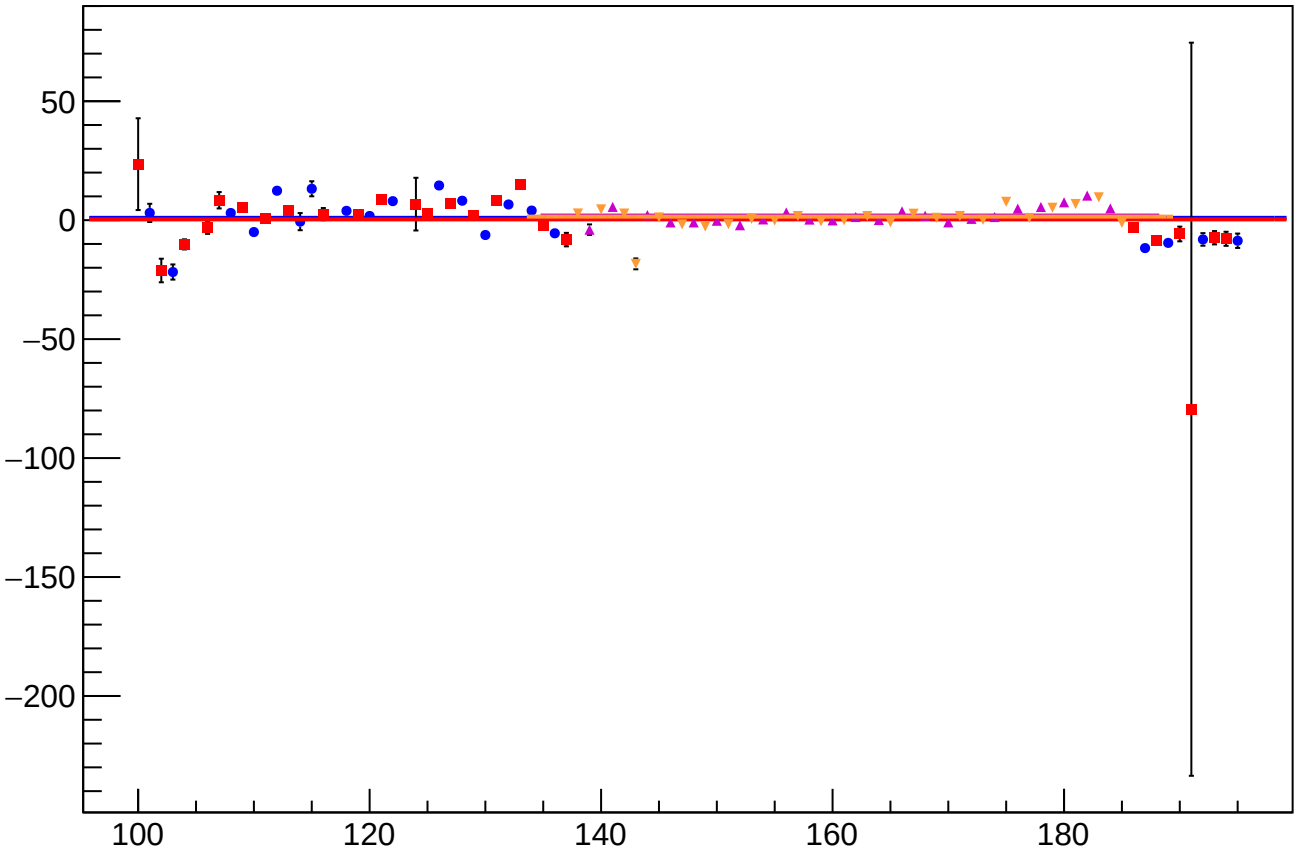
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.531+/-0.246 χ^2/NDF: 6727.5/44

In: 9.315+/-0.220 χ^2/NDF:10401.4/42

Out: 13.592+/-0.206 χ^2/NDF:17241.6/49

All: 11.597+/-0.150 χ^2/NDF: 27844.1/92



Right In: 0.981+/-0.407 χ^2/NDF: 376.5/19

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.322+/-0.375 χ^2/NDF: 334.8/24

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

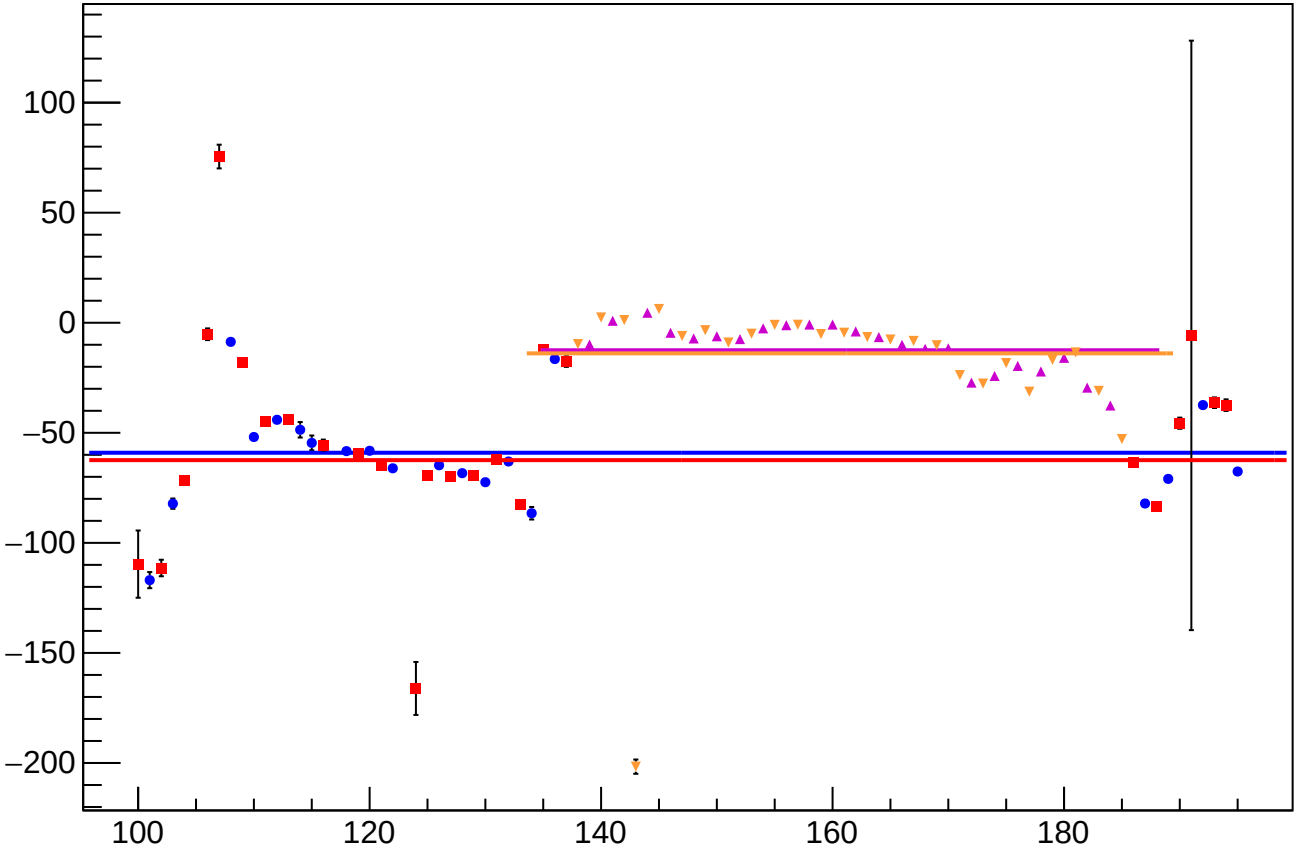
Right: 0.624+/-0.276 χ^2/NDF: 712.8/44

In: 1.733+/-0.187 χ^2/NDF:621.5/42

Out: 1.220+/-0.180 χ^2/NDF:670.9/49

All: 1.466+/-0.130 χ^2/NDF: 1296.3/92

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.058+/-0.398 χ^2/NDF: 3214.4/19

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.418+/-0.321 χ^2/NDF: 5187.4/24

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

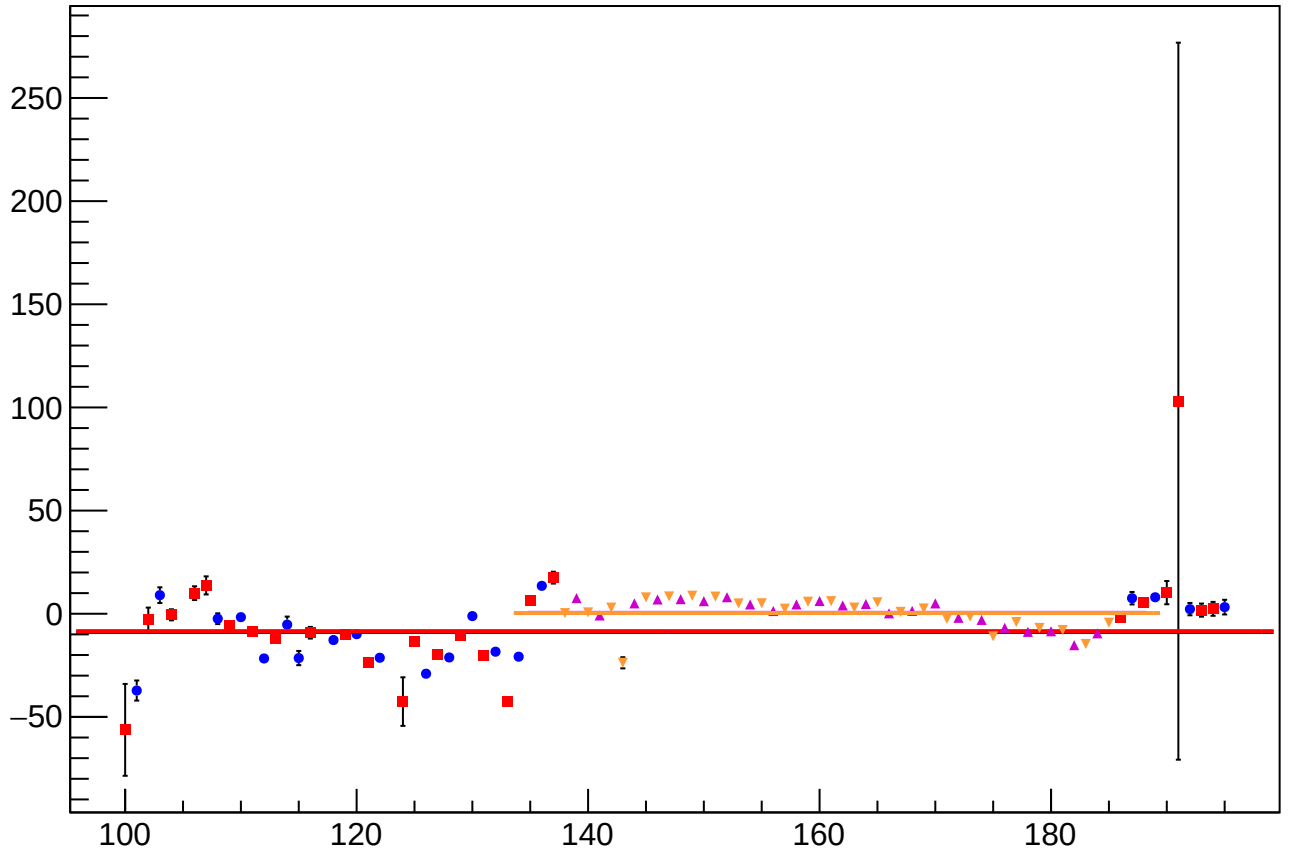
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

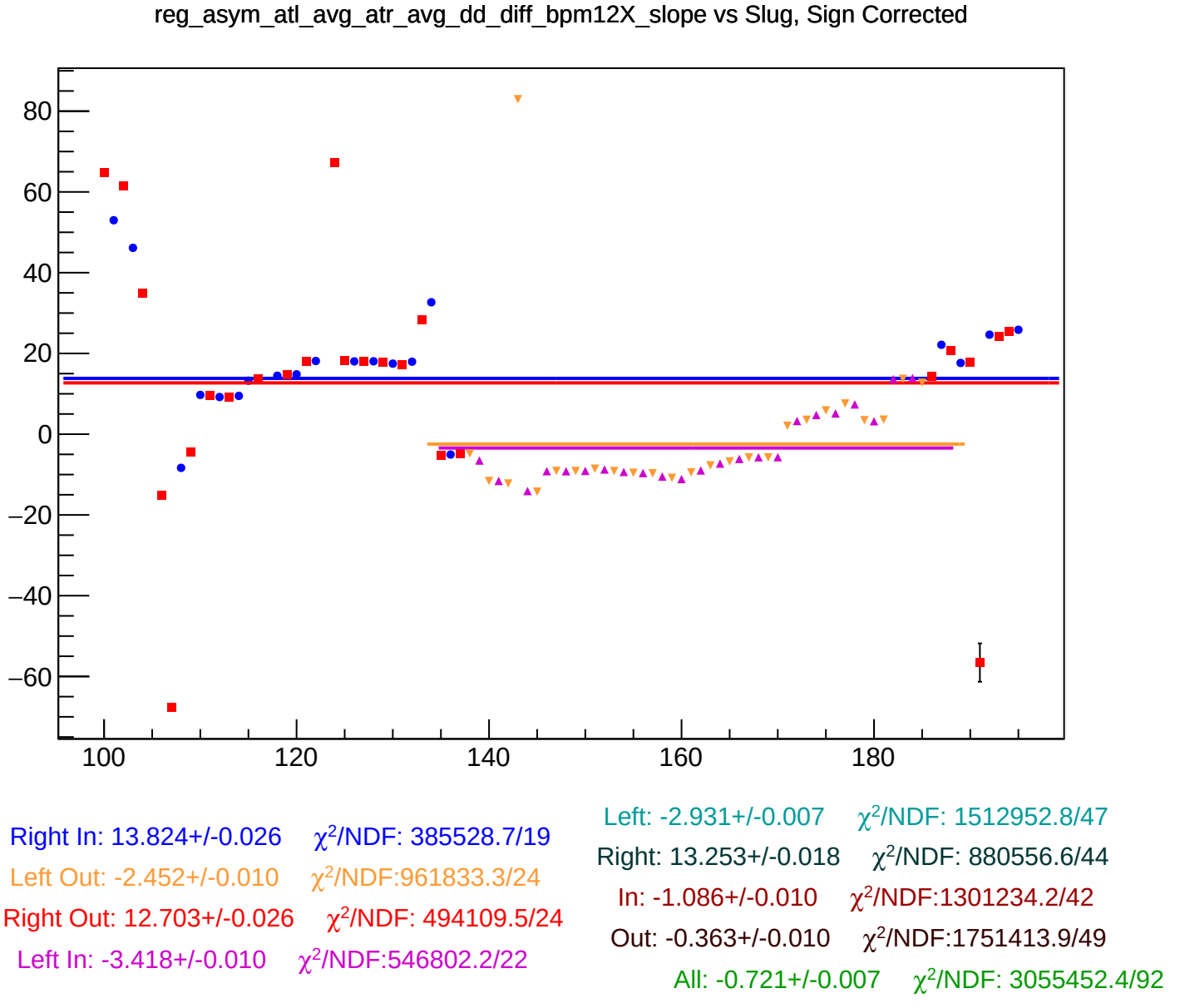
Right: -61.093+/-0.250 χ^2/NDF: 8444.9/44

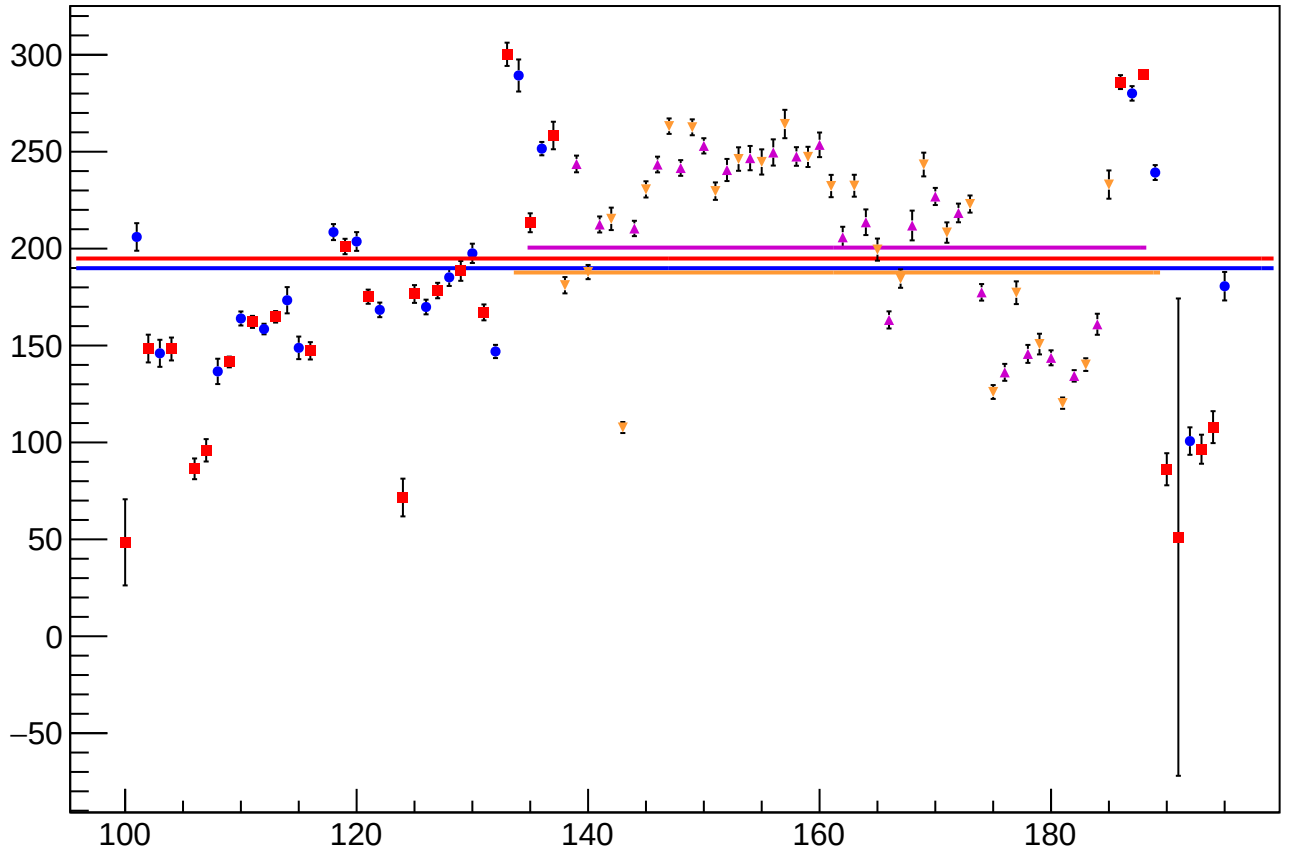
In: -27.062+/-0.223 χ^2/NDF:14039.9/42

Out: -33.521+/-0.204 χ^2/NDF:23894.2/49

All: -30.570+/-0.151 χ^2/NDF: 38390.8/92


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
Right In: -8.855+/-0.477 χ²/NDF: 786.8/19
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -8.434+/-0.454 χ²/NDF: 832.4/24
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
Left: 0.388+/-0.165 χ²/NDF: 1704.0/47
Right: -8.635+/-0.329 χ²/NDF: 1619.6/44
In: -1.403+/-0.212 χ²/NDF:1873.5/42
Out: -1.463+/-0.206 χ²/NDF:2050.8/49
All: -1.434+/-0.148 χ²/NDF: 3924.4/92


reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
Right In: 13.824+/-0.026 χ²/NDF: 385528.7/19
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 12.703+/-0.026 χ²/NDF: 494109.5/24
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
Left: -2.931+/-0.007 χ²/NDF: 1512952.8/47
Right: 13.253+/-0.018 χ²/NDF: 880556.6/44
In: -1.086+/-0.010 χ²/NDF:1301234.2/42
Out: -0.363+/-0.010 χ²/NDF:1751413.9/49
All: -0.721+/-0.007 χ²/NDF: 3055452.4/92



Right In: 189.902+/-0.990 χ^2/NDF: 1969.4/19

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.895+/-0.864 χ^2/NDF: 5624.7/24

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

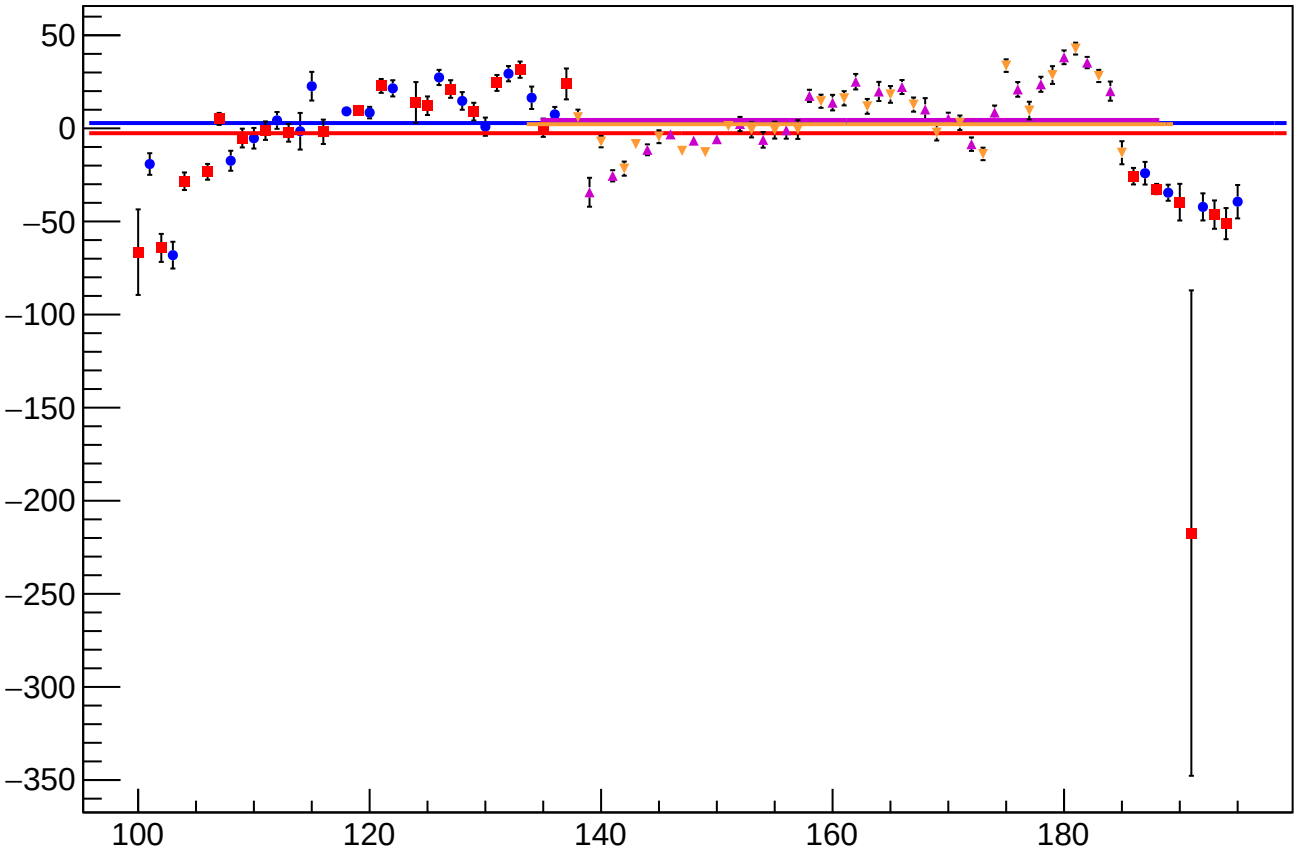
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 192.738+/-0.651 χ^2/NDF: 7608.6/44

In: 195.405+/-0.687 χ^2/NDF:4140.4/42

Out: 191.426+/-0.622 χ^2/NDF:9186.6/49

All: 193.218+/-0.461 χ^2/NDF: 13345.4/92



Right In: 2.848+/-1.043 χ^2/NDF: 409.1/19

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

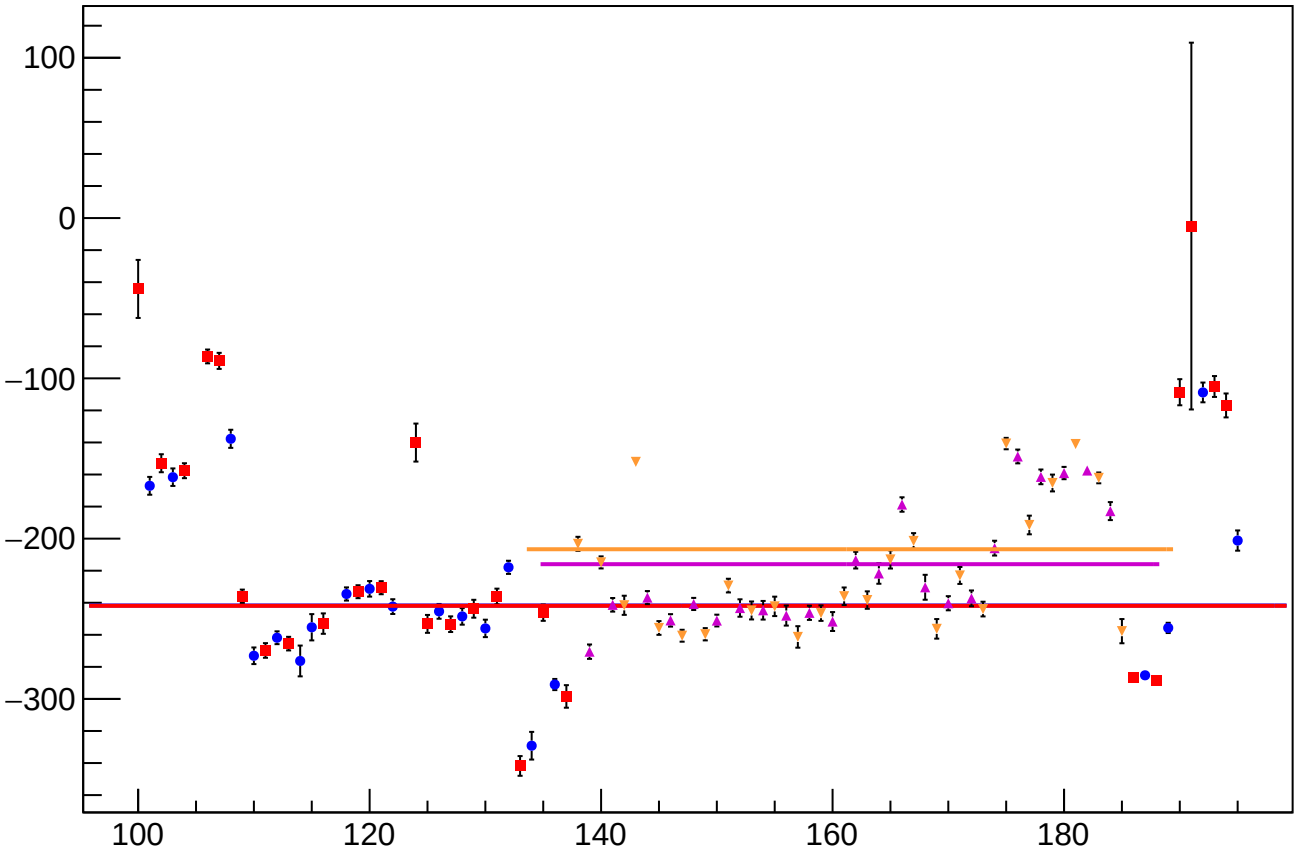
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -0.136+/-0.702 χ^2/NDF: 1010.4/44

In: 3.981+/-0.589 χ^2/NDF:957.9/42

Out: 0.649+/-0.544 χ^2/NDF:1204.8/49

All: 2.183+/-0.400 χ^2/NDF: 2180.0/92



Right In: -241.709+/-1.054 χ^2/NDF: 1891.3/19

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -241.912+/-0.878 χ^2/NDF: 5533.1/24

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

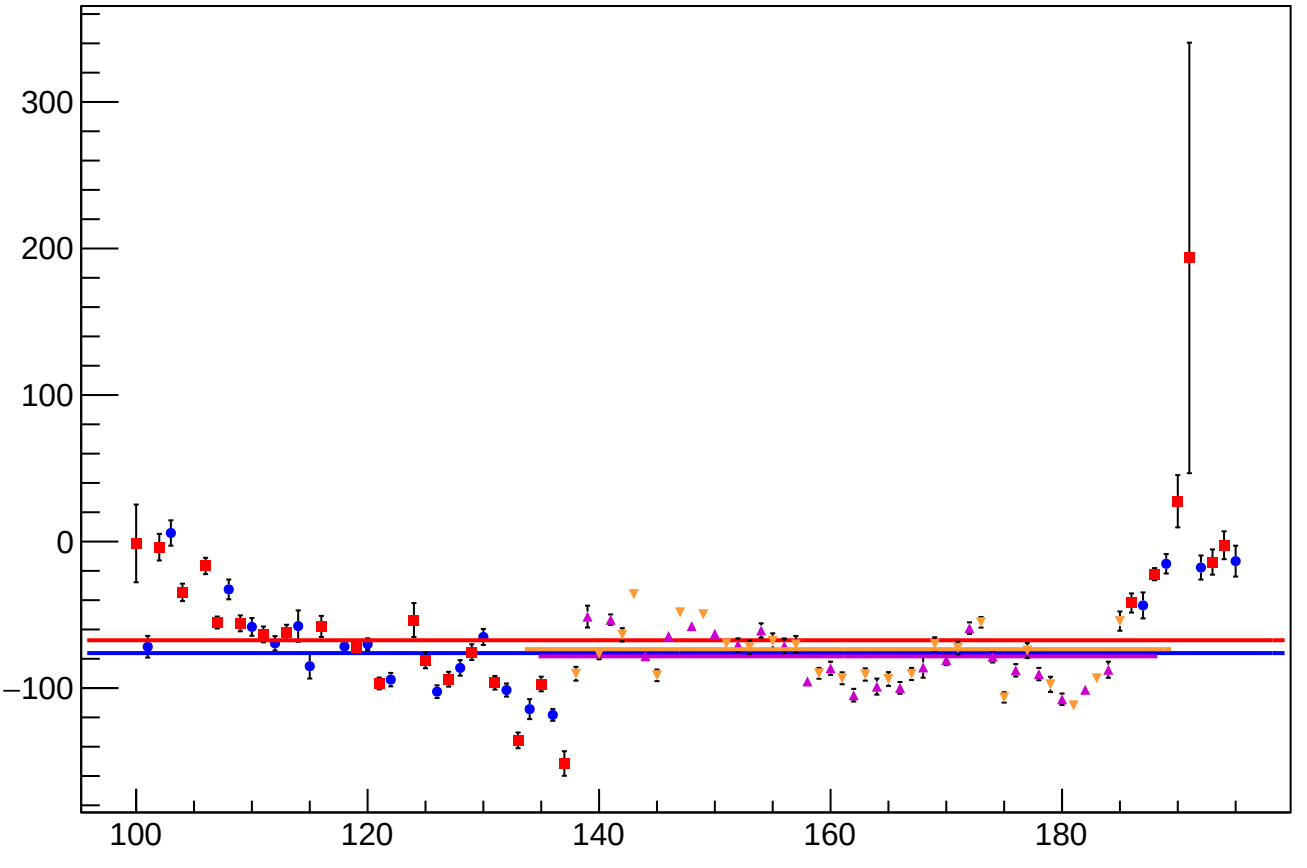
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -241.829+/-0.675 χ^2/NDF: 7424.5/44

In: -227.433+/-0.704 χ^2/NDF:3934.2/42

Out: -224.602+/-0.627 χ^2/NDF:8793.9/49

All: -225.853+/-0.468 χ^2/NDF: 12737.1/92



Right In: -76.121+/-1.228 χ^2/NDF: 567.4/19

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -67.359+/-1.140 χ^2/NDF: 863.2/24

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

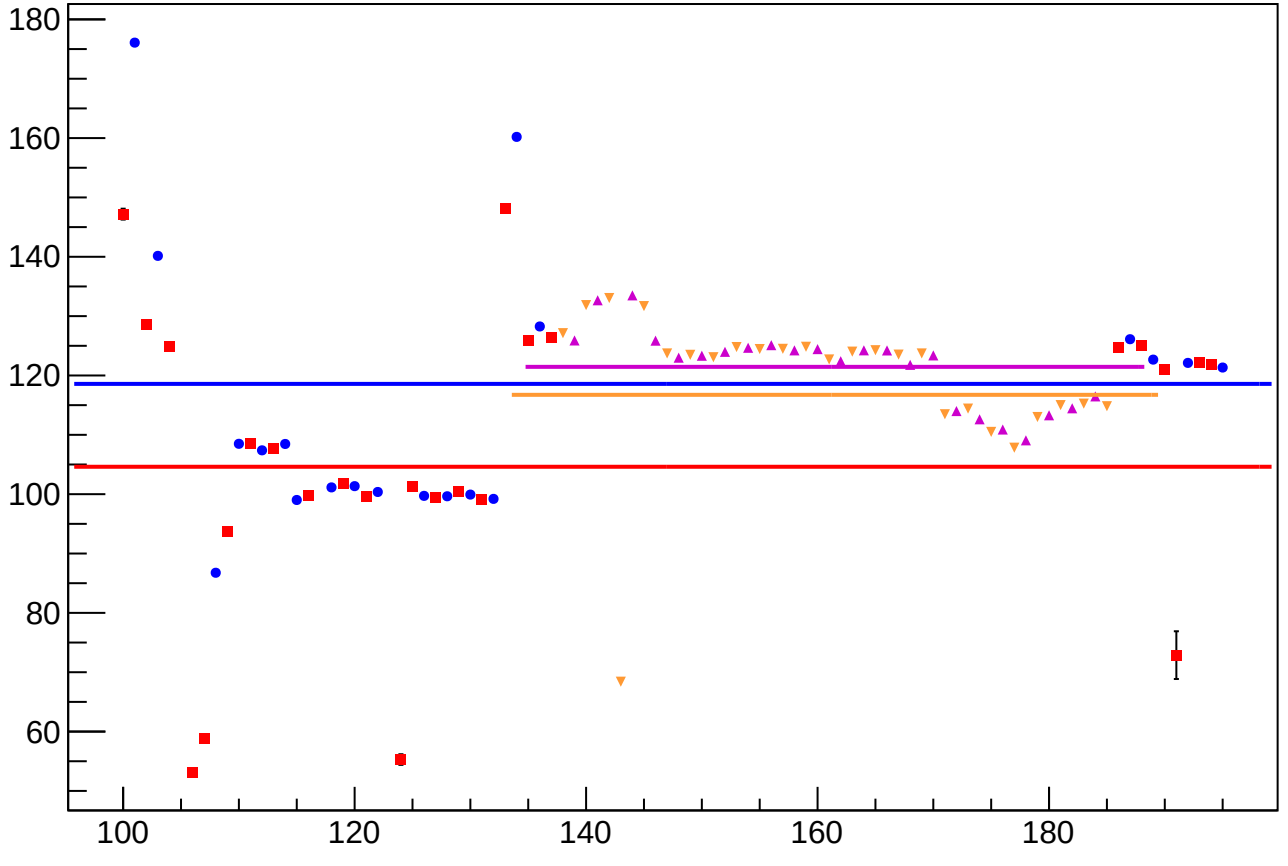
Right: -71.413+/-0.835 χ^2/NDF: 1457.9/44

In: -77.651+/-0.680 χ^2/NDF:1012.9/42

Out: -71.535+/-0.636 χ^2/NDF:1719.3/49

All: -74.388+/-0.465 χ^2/NDF: 2775.2/92

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.583+/-0.070 χ^2/NDF: 96189.3/19

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

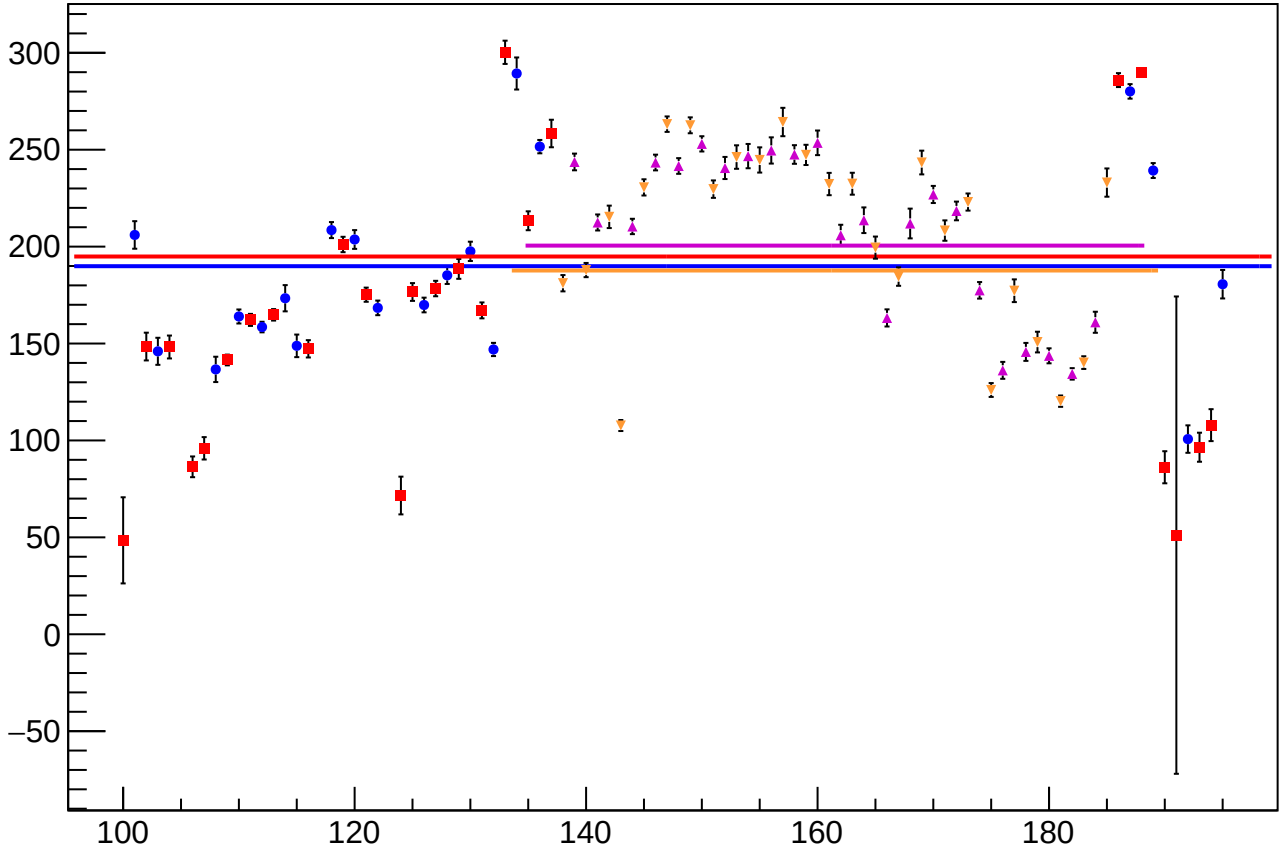
Right: 110.759+/-0.047 χ^2/NDF: 308696.4/44

In: 120.827+/-0.033 χ^2/NDF:126284.8/42

Out: 113.736+/-0.031 χ^2/NDF:422521.2/49

All: 117.074+/-0.023 χ^2/NDF: 573332.6/92

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.902+/-0.990 χ^2/NDF: 1969.4/19

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.895+/-0.864 χ^2/NDF: 5624.7/24

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

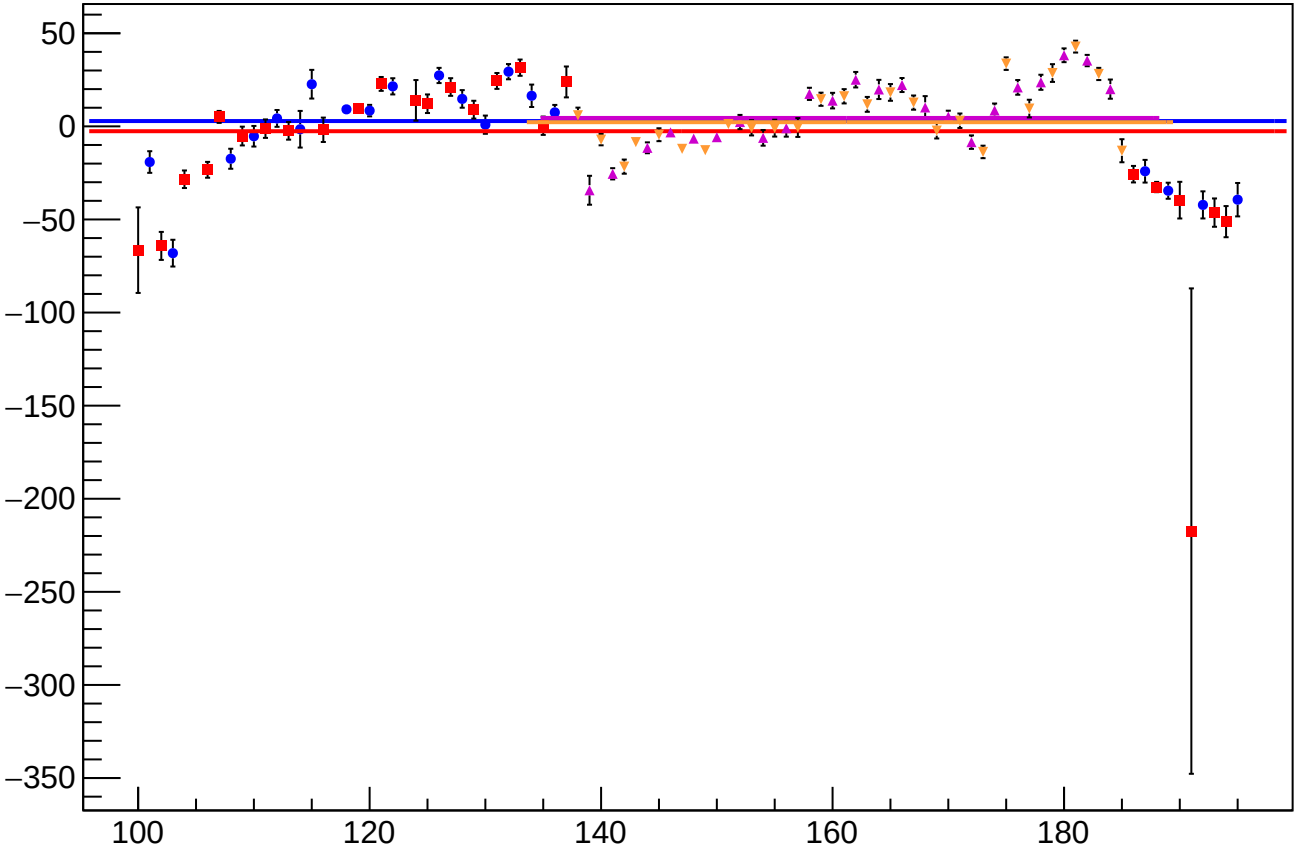
Right: 192.738+/-0.651 χ^2/NDF: 7608.6/44

In: 195.405+/-0.687 χ^2/NDF:4140.4/42

Out: 191.426+/-0.622 χ^2/NDF:9186.6/49

All: 193.218+/-0.461 χ^2/NDF: 13345.4/92

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.848+/-1.043 χ^2/NDF: 409.1/19

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

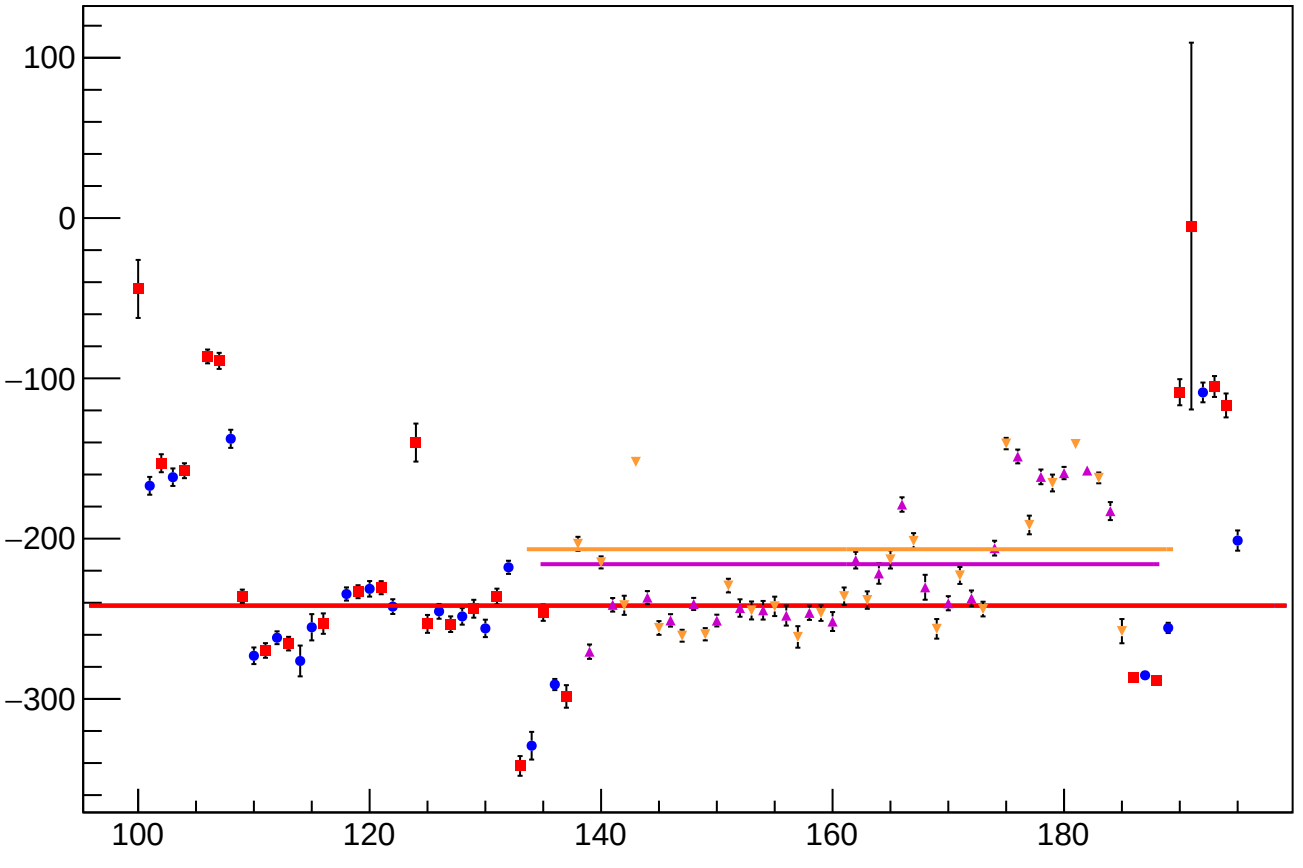
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -0.136+/-0.702 χ^2/NDF: 1010.4/44

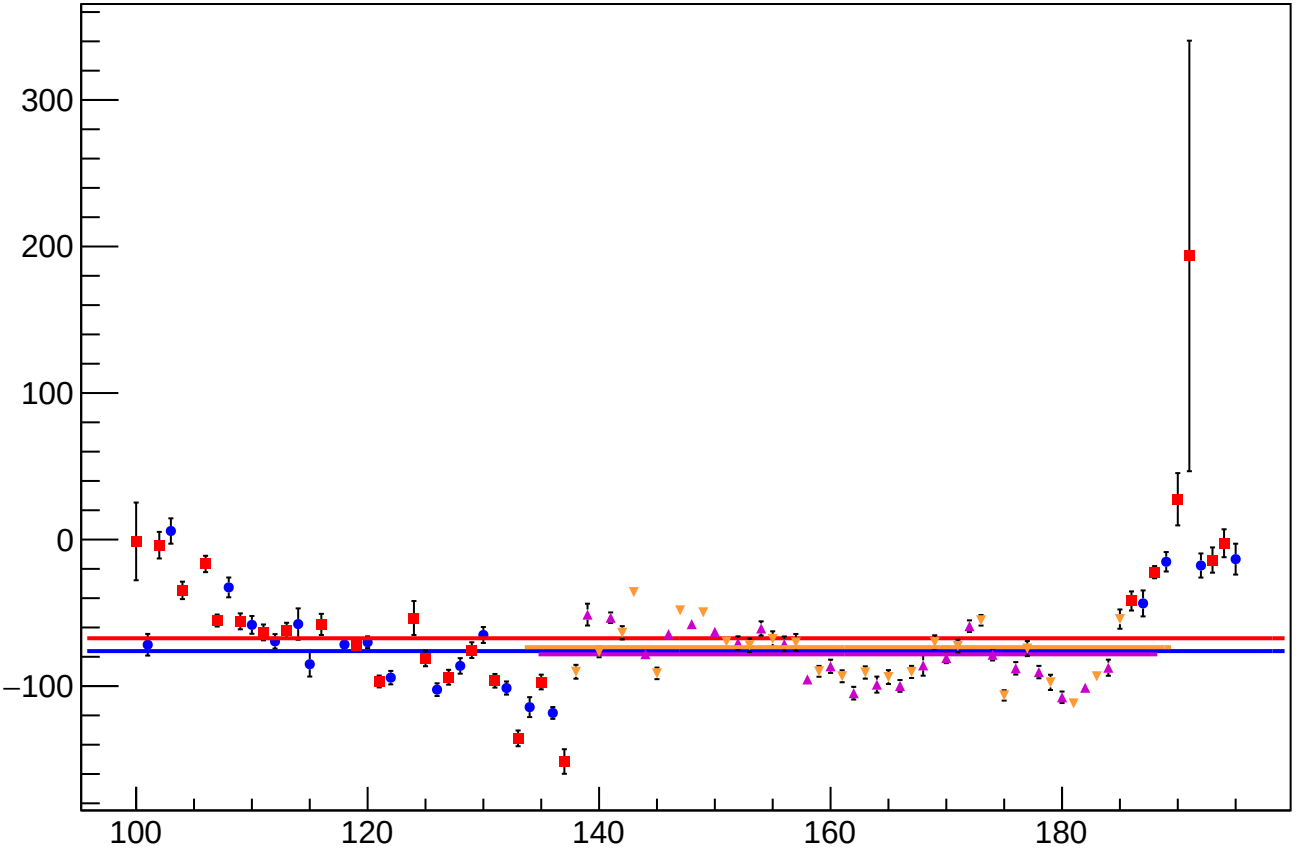
In: 3.981+/-0.589 χ^2/NDF:957.9/42

Out: 0.649+/-0.544 χ^2/NDF:1204.8/49

All: 2.183+/-0.400 χ^2/NDF: 2180.0/92


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
Right In: -241.709+/-1.054 χ²/NDF: 1891.3/19
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -241.912+/-0.878 χ²/NDF: 5533.1/24
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -241.829+/-0.675 χ²/NDF: 7424.5/44
In: -227.433+/-0.704 χ²/NDF:3934.2/42
Out: -224.602+/-0.627 χ²/NDF:8793.9/49
All: -225.853+/-0.468 χ²/NDF: 12737.1/92

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -76.121+/-1.228 χ^2/NDF: 567.4/19

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -67.359+/-1.140 χ^2/NDF: 863.2/24

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

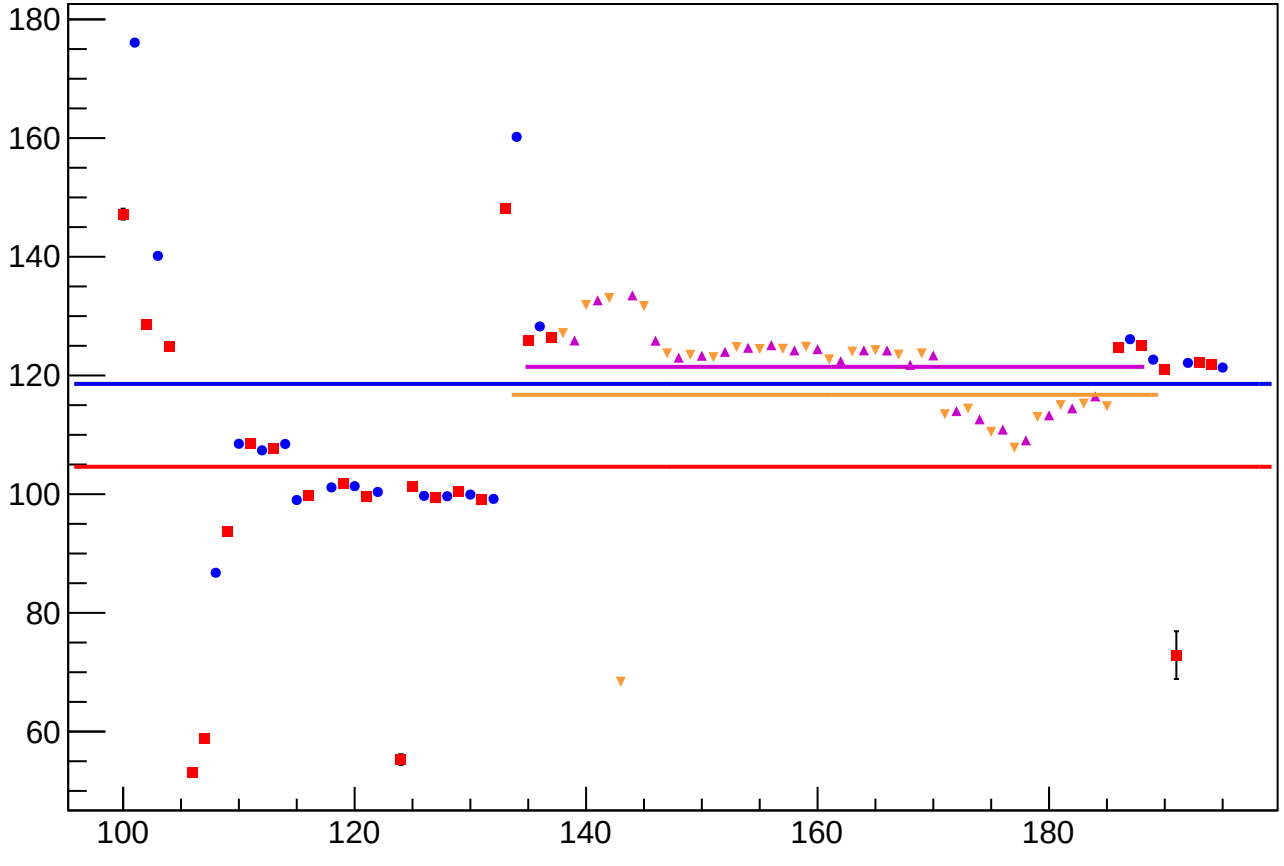
Right: -71.413+/-0.835 χ^2/NDF: 1457.9/44

In: -77.651+/-0.680 χ^2/NDF:1012.9/42

Out: -71.535+/-0.636 χ^2/NDF:1719.3/49

All: -74.388+/-0.465 χ^2/NDF: 2775.2/92

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.583+/-0.070 χ^2/NDF: 96189.3/19

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

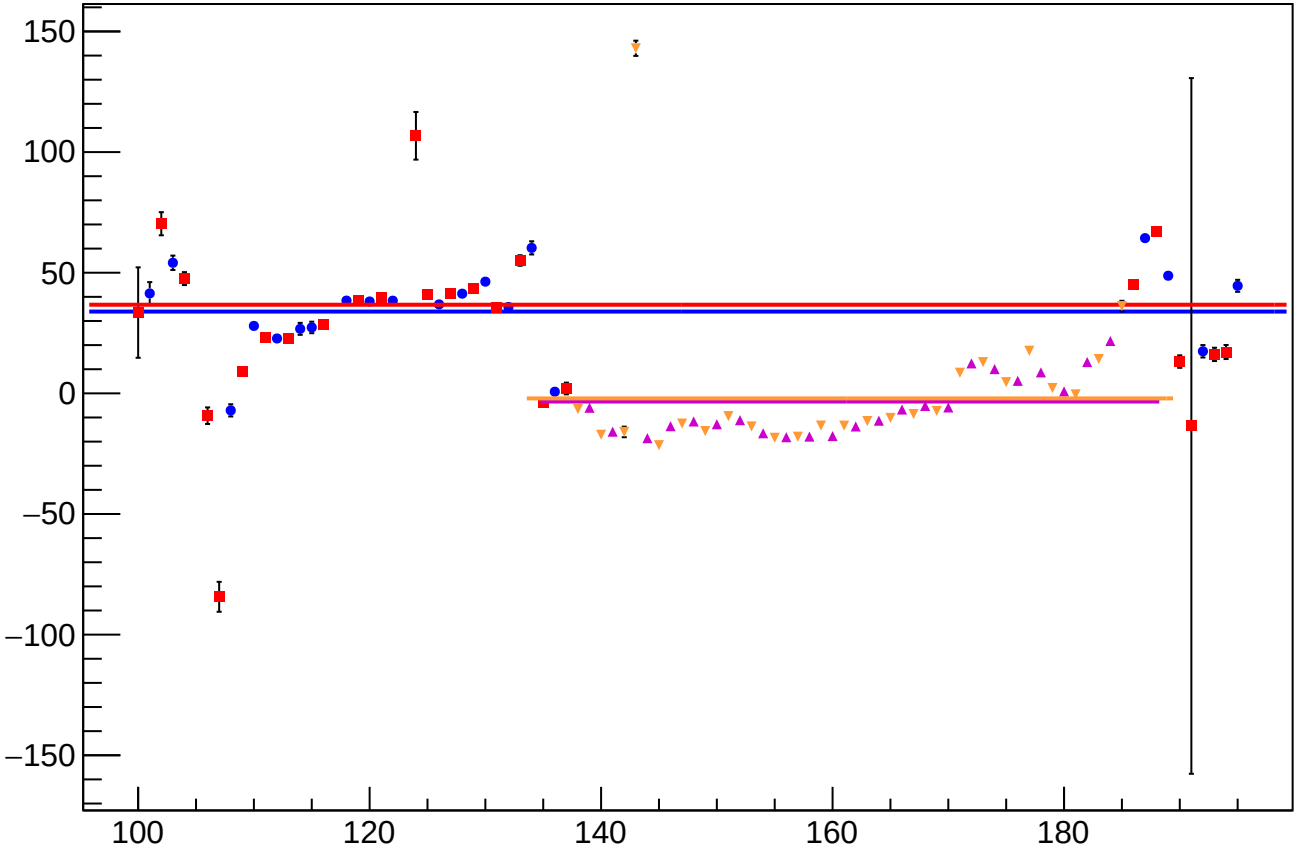
Right: 110.759+/-0.047 χ^2/NDF: 308696.4/44

In: 120.827+/-0.033 χ^2/NDF:126284.8/42

Out: 113.736+/-0.031 χ^2/NDF:422521.2/49

All: 117.074+/-0.023 χ^2/NDF: 573332.6/92

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 33.899+/-0.377 χ^2/NDF: 2210.7/19

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.735+/-0.324 χ^2/NDF: 4484.3/24

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

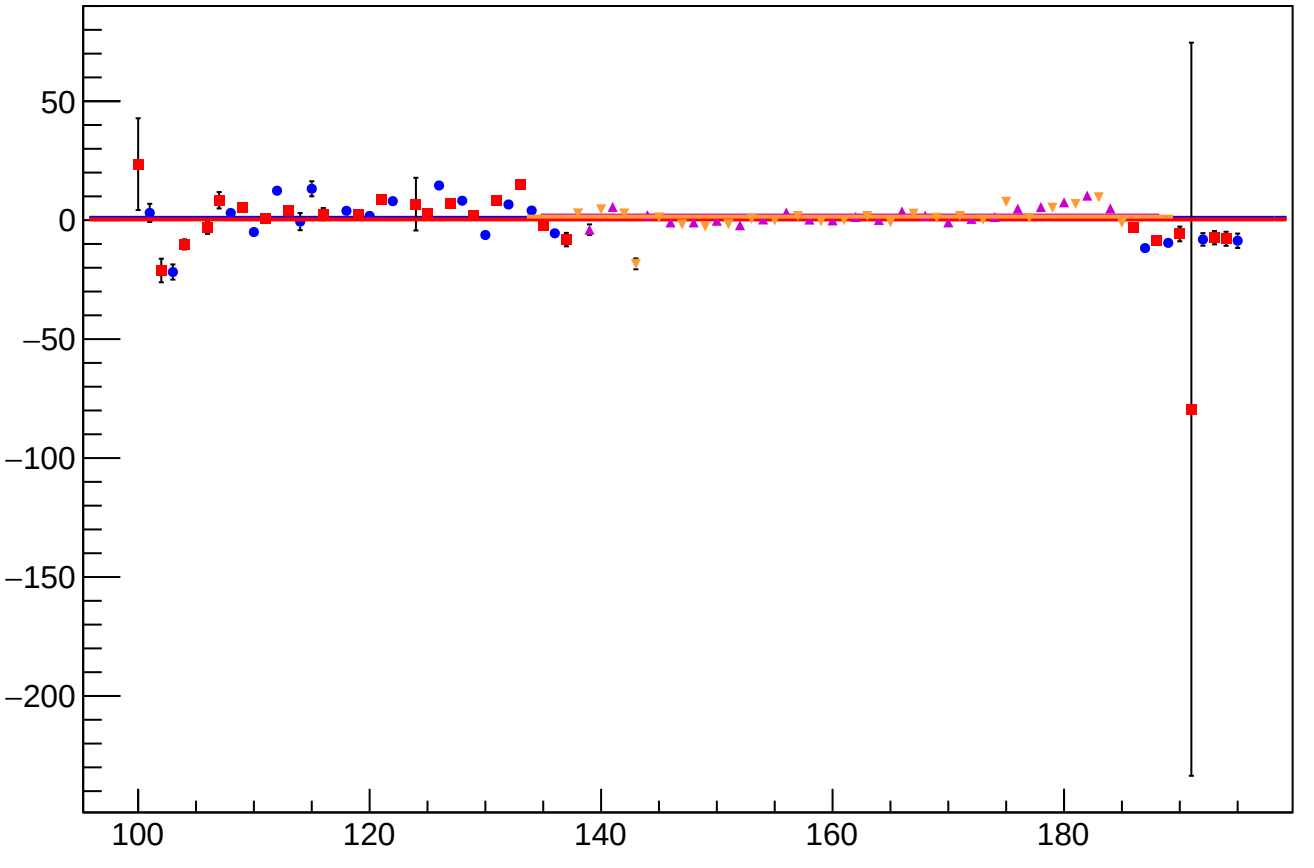
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.531+/-0.246 χ^2/NDF: 6727.5/44

In: 9.315+/-0.220 χ^2/NDF:10401.4/42

Out: 13.592+/-0.206 χ^2/NDF:17241.6/49

All: 11.597+/-0.150 χ^2/NDF: 27844.1/92



Right In: 0.981+/-0.407 χ^2/NDF: 376.5/19

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.322+/-0.375 χ^2/NDF: 334.8/24

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

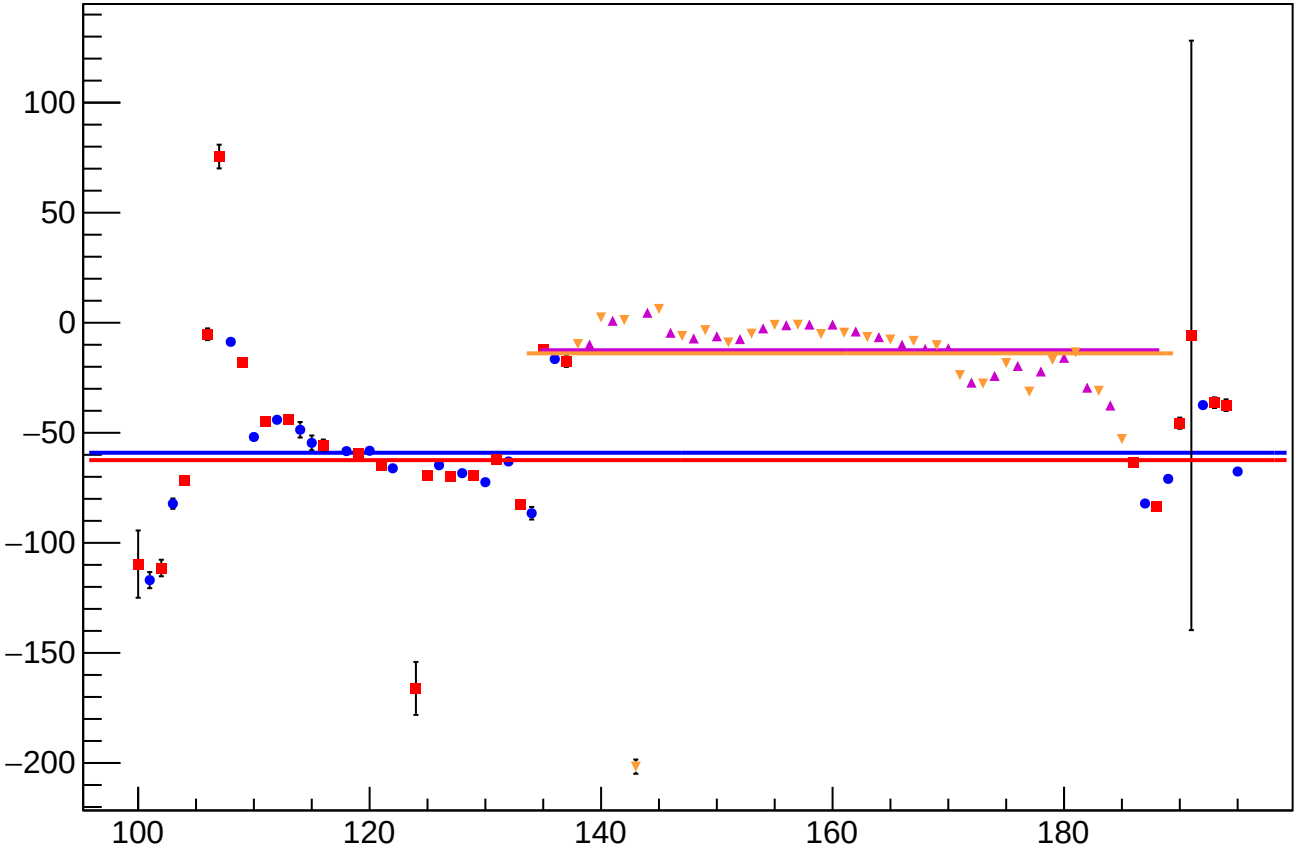
Right: 0.624+/-0.276 χ^2/NDF: 712.8/44

In: 1.733+/-0.187 χ^2/NDF:621.5/42

Out: 1.220+/-0.180 χ^2/NDF:670.9/49

All: 1.466+/-0.130 χ^2/NDF: 1296.3/92

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.058+/-0.398 χ^2/NDF: 3214.4/19

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.418+/-0.321 χ^2/NDF: 5187.4/24

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

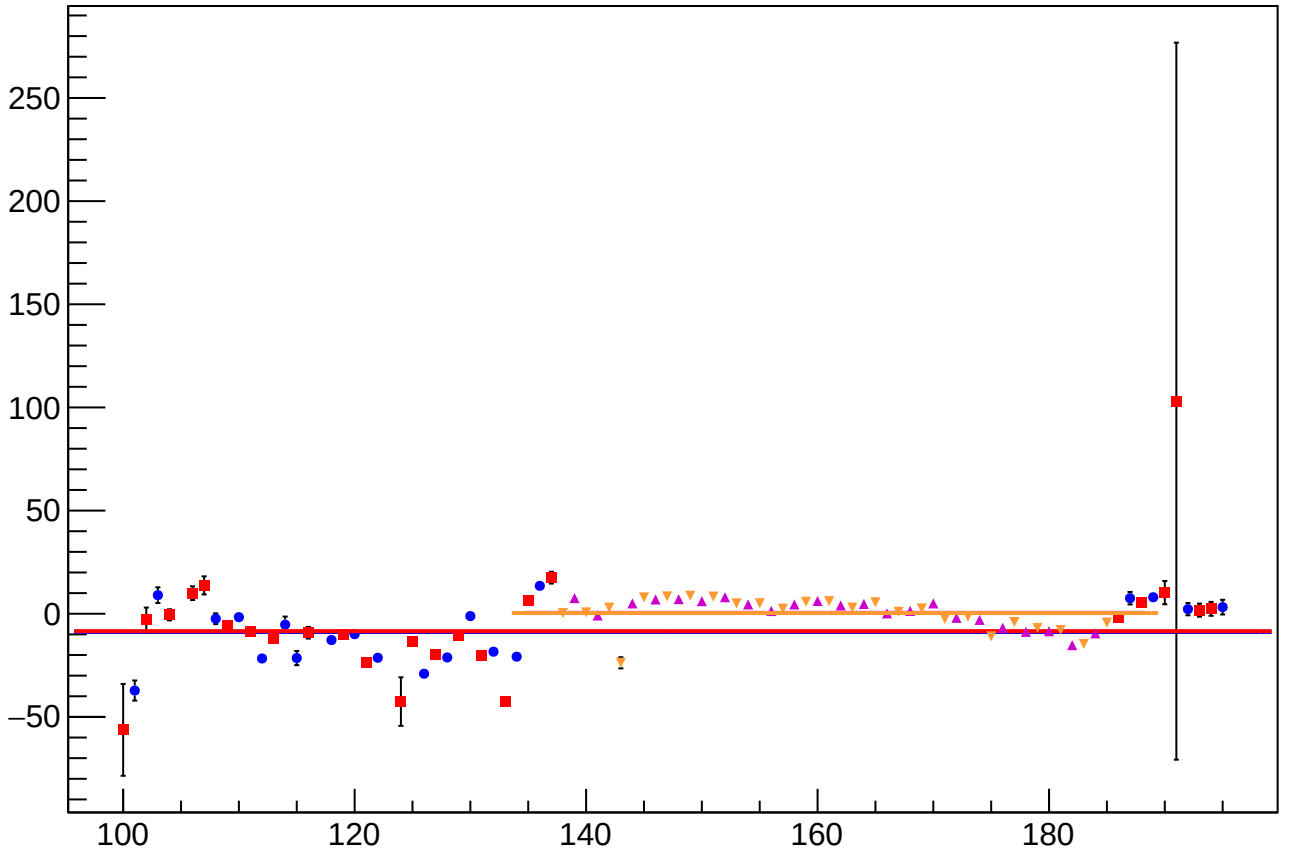
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -61.093+/-0.250 χ^2/NDF: 8444.9/44

In: -27.062+/-0.223 χ^2/NDF:14039.9/42

Out: -33.521+/-0.204 χ^2/NDF:23894.2/49

All: -30.570+/-0.151 χ^2/NDF: 38390.8/92



Right In: -8.855+/-0.477 χ^2/NDF: 786.8/19

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.434+/-0.454 χ^2/NDF: 832.4/24

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

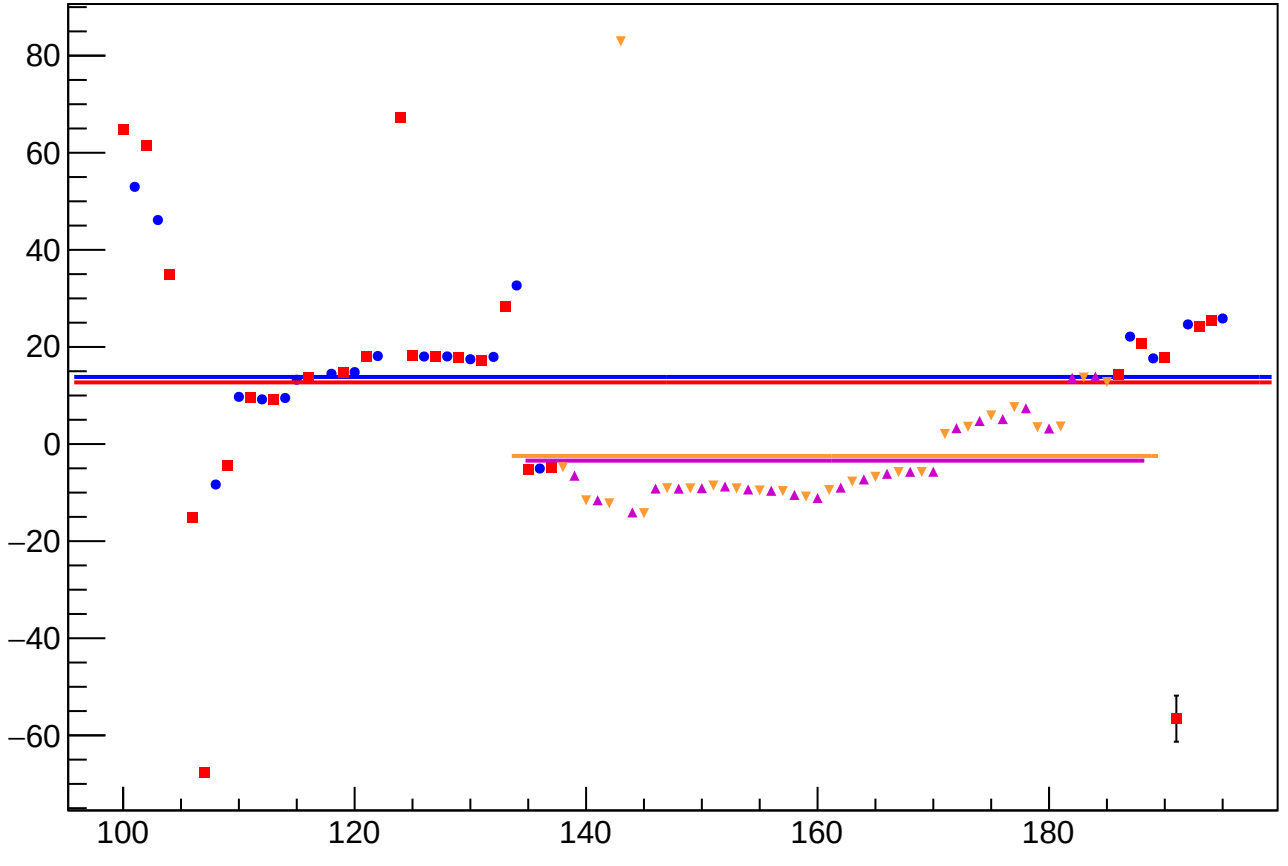
Right: -8.635+/-0.329 χ^2/NDF: 1619.6/44

In: -1.403+/-0.212 χ^2/NDF:1873.5/42

Out: -1.463+/-0.206 χ^2/NDF:2050.8/49

All: -1.434+/-0.148 χ^2/NDF: 3924.4/92

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.824+/-0.026 χ^2/NDF: 385528.7/19

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 12.703+/-0.026 χ^2/NDF: 494109.5/24

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

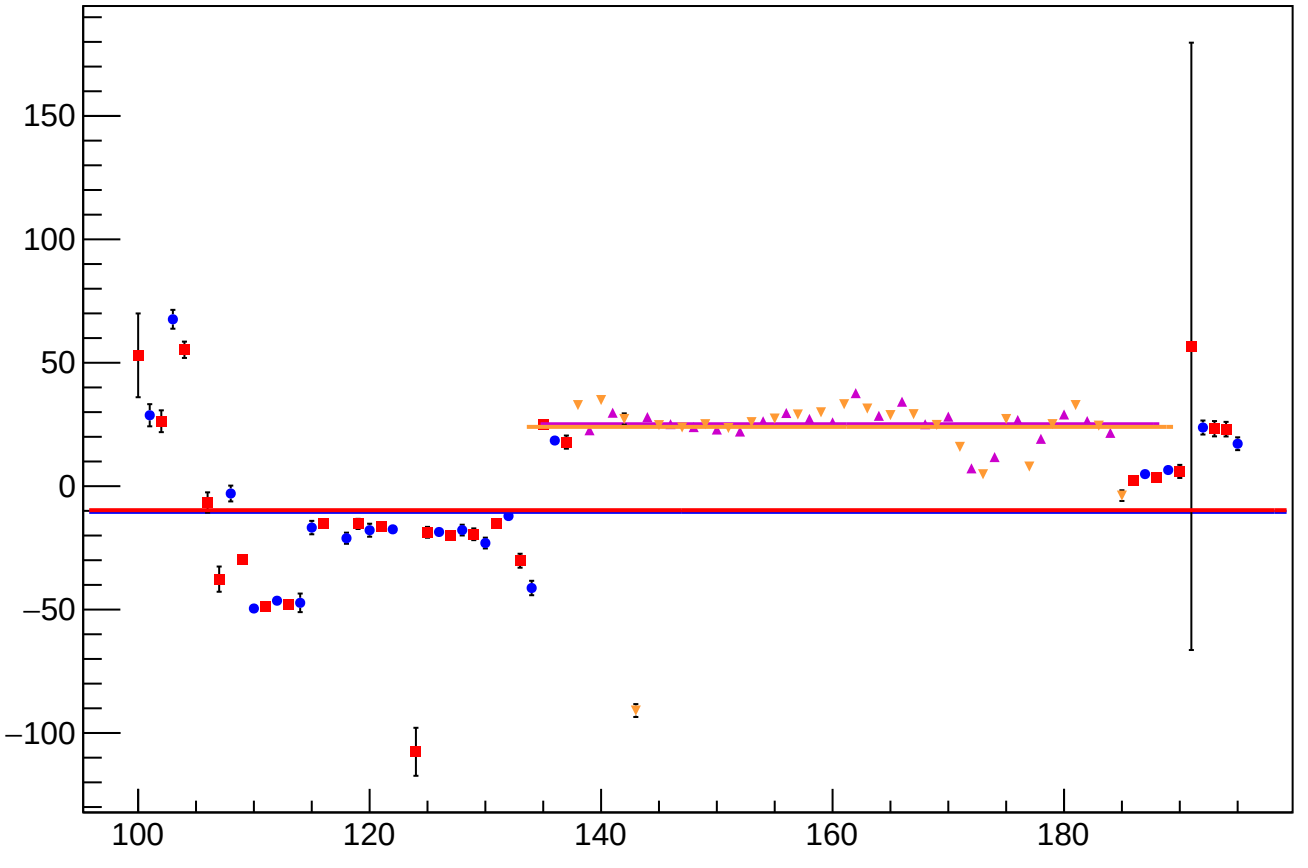
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 13.253+/-0.018 χ^2/NDF: 880556.6/44

In: -1.086+/-0.010 χ^2/NDF:1301234.2/42

Out: -0.363+/-0.010 χ^2/NDF:1751413.9/49

All: -0.721+/-0.007 χ^2/NDF: 3055452.4/92



Right In: -10.411+/-0.484 χ^2/NDF: 2613.9/19

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -9.730+/-0.428 χ^2/NDF: 2882.1/24

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

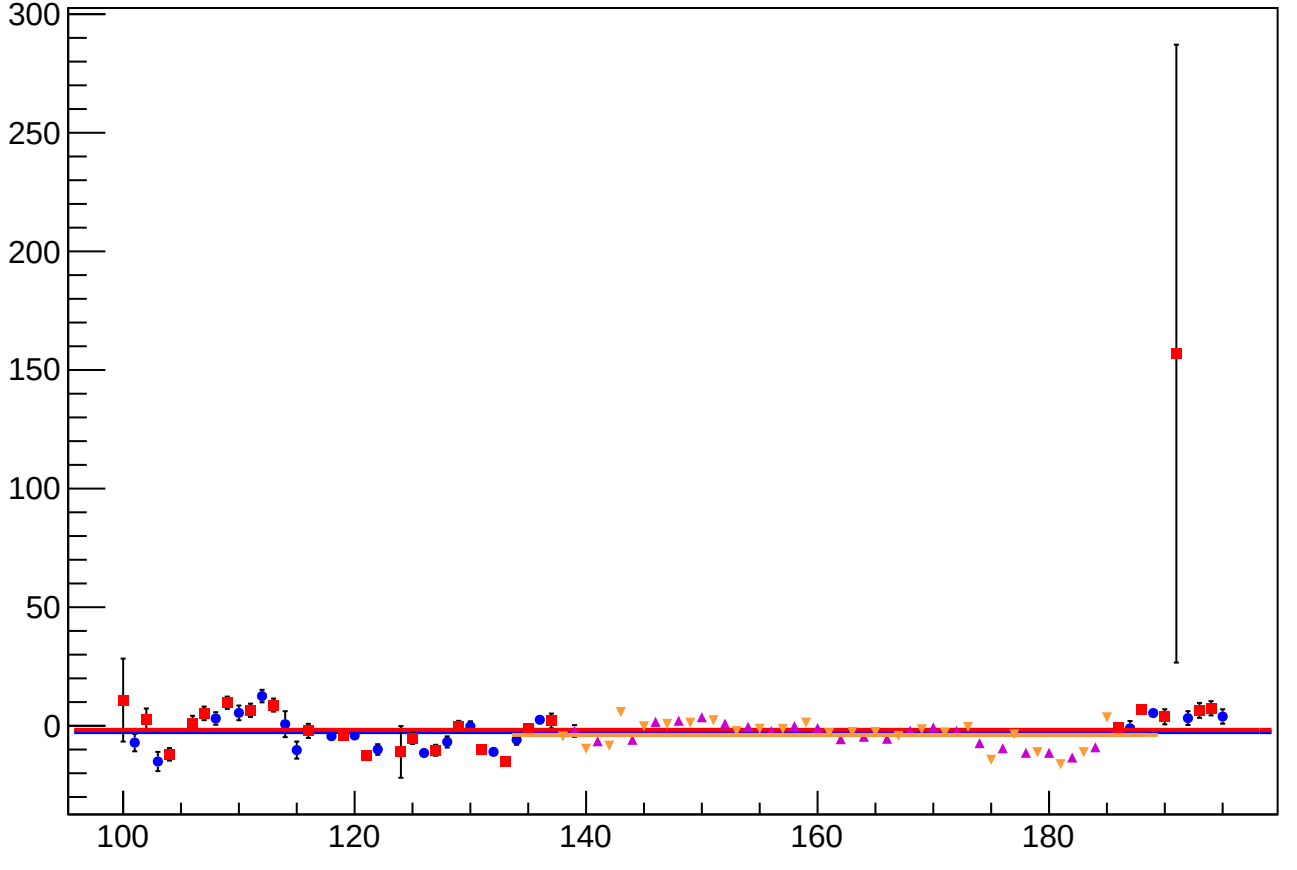
Right: -10.030+/-0.321 χ^2/NDF: 5497.1/44

In: 15.841+/-0.247 χ^2/NDF:7089.1/42

Out: 13.813+/-0.236 χ^2/NDF:10018.7/49

All: 14.779+/-0.170 χ^2/NDF: 17143.1/92

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.655+/-0.511 χ^2/NDF: 150.8/19

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.696+/-0.481 χ^2/NDF: 229.2/24

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

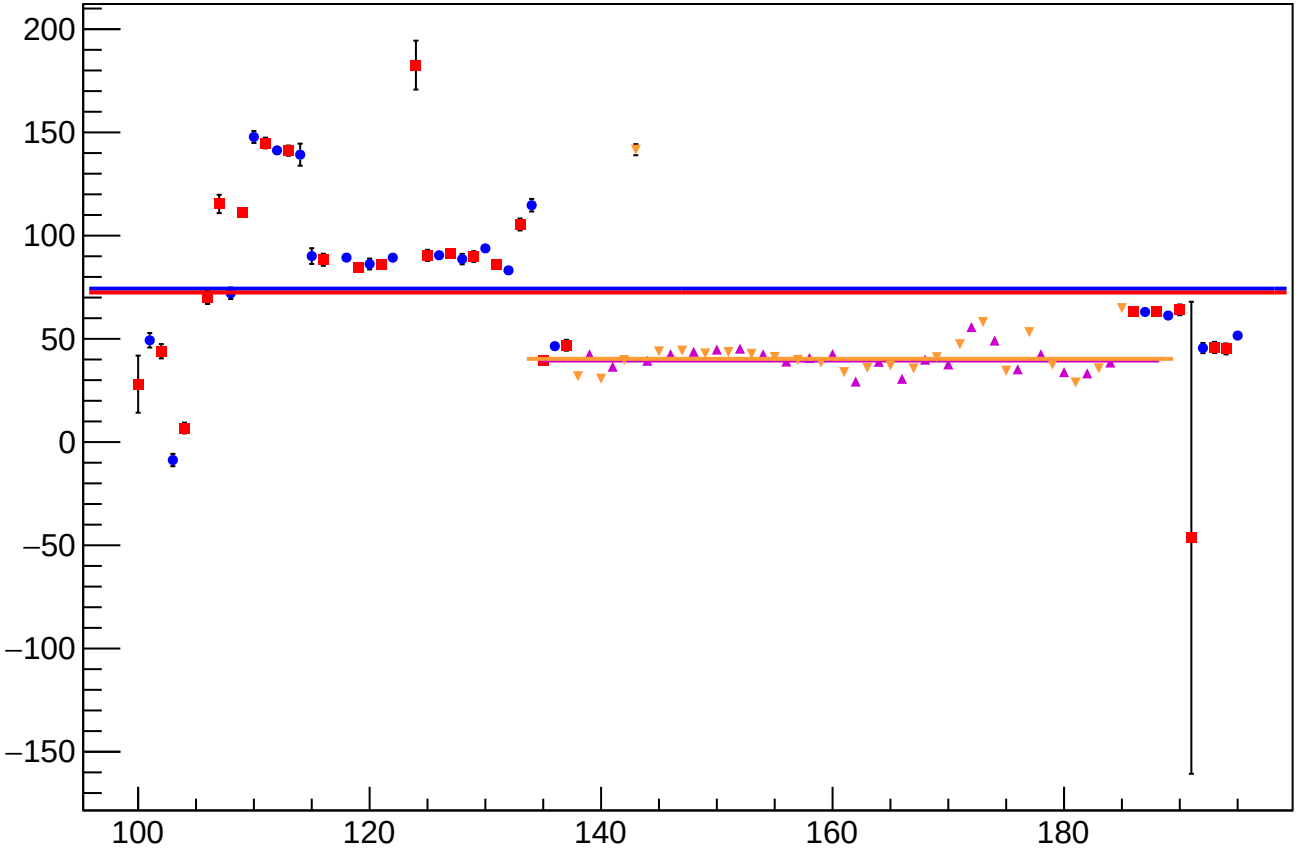
Right: -2.147+/-0.350 χ^2/NDF: 381.9/44

In: -3.599+/-0.205 χ^2/NDF:664.7/42

Out: -3.480+/-0.198 χ^2/NDF:895.1/49

All: -3.537+/-0.143 χ^2/NDF: 1560.1/92

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 74.326+/-0.509 χ^2/NDF: 3710.7/19

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 72.463+/-0.430 χ^2/NDF: 3976.2/24

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

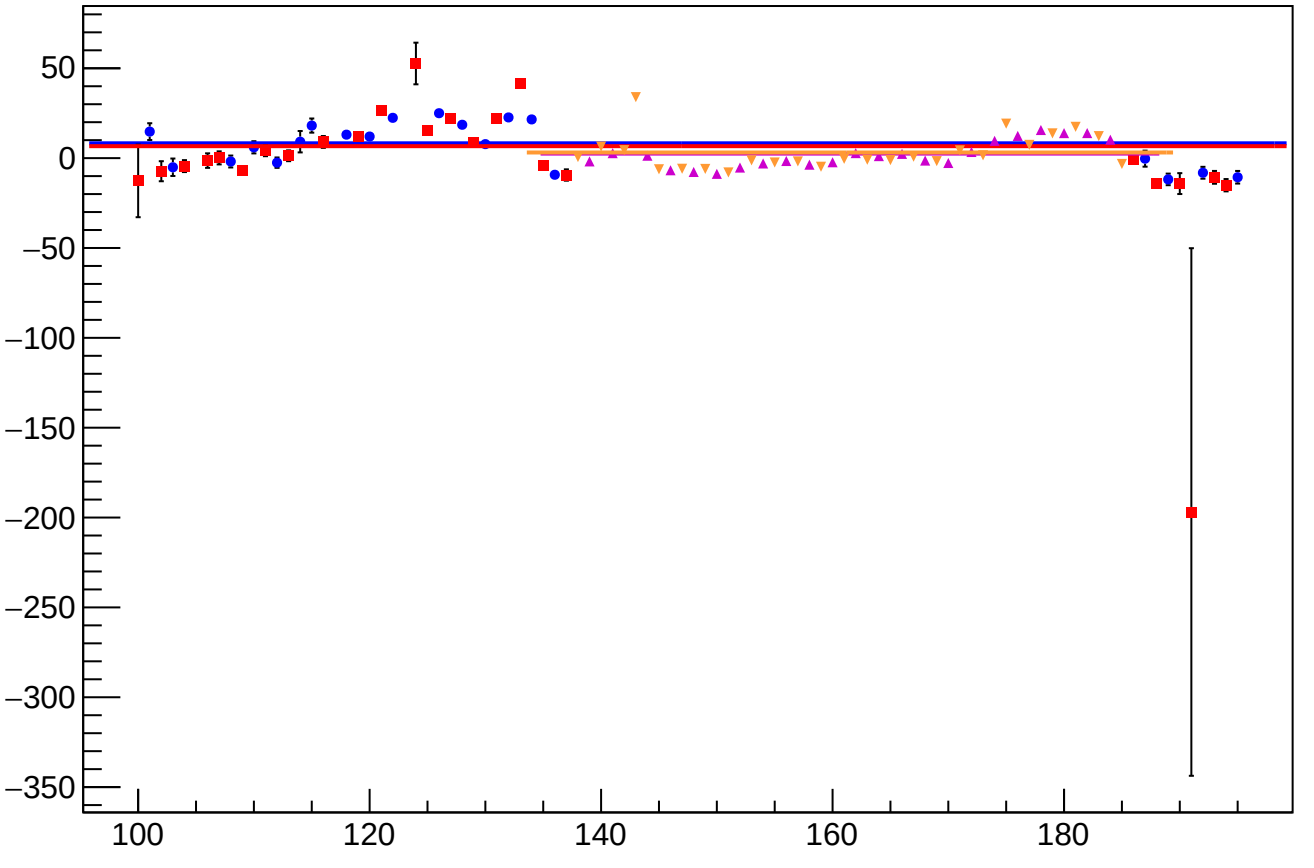
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 73.238+/-0.328 χ^2/NDF: 7694.7/44

In: 47.803+/-0.248 χ^2/NDF:7707.5/42

Out: 49.909+/-0.235 χ^2/NDF:10088.5/49

All: 48.916+/-0.171 χ^2/NDF: 17834.1/92



Right In: 8.249+/-0.591 χ^2/NDF: 467.2/19

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 6.649+/-0.574 χ^2/NDF: 683.1/24

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

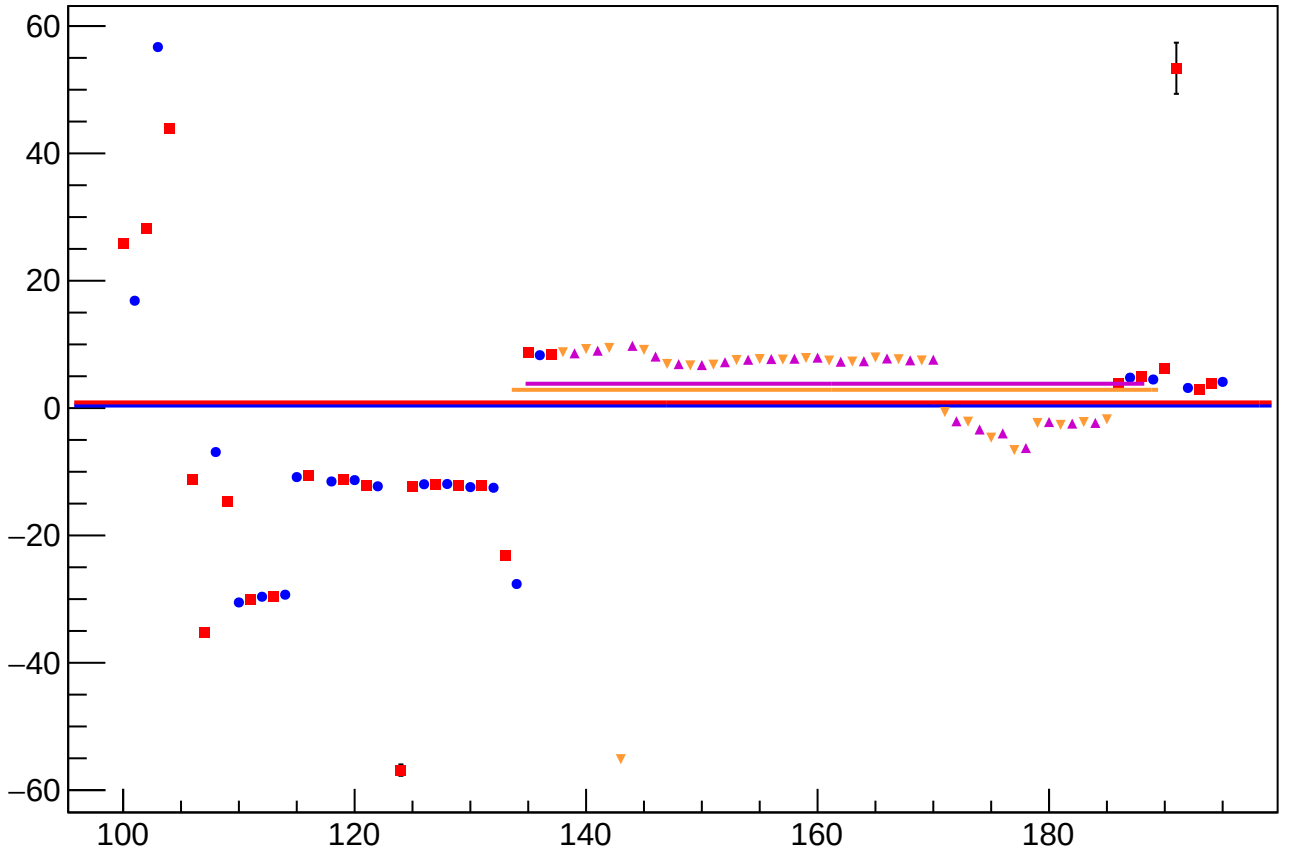
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 7.427+/-0.412 χ^2/NDF: 1154.1/44

In: 3.396+/-0.231 χ^2/NDF:1515.1/42

Out: 3.683+/-0.226 χ^2/NDF:1981.6/49

All: 3.543+/-0.161 χ^2/NDF: 3497.5/92



Right In: 0.401+/-0.031 χ^2/NDF: 372213.9/19

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.893+/-0.031 χ^2/NDF: 322085.7/24

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

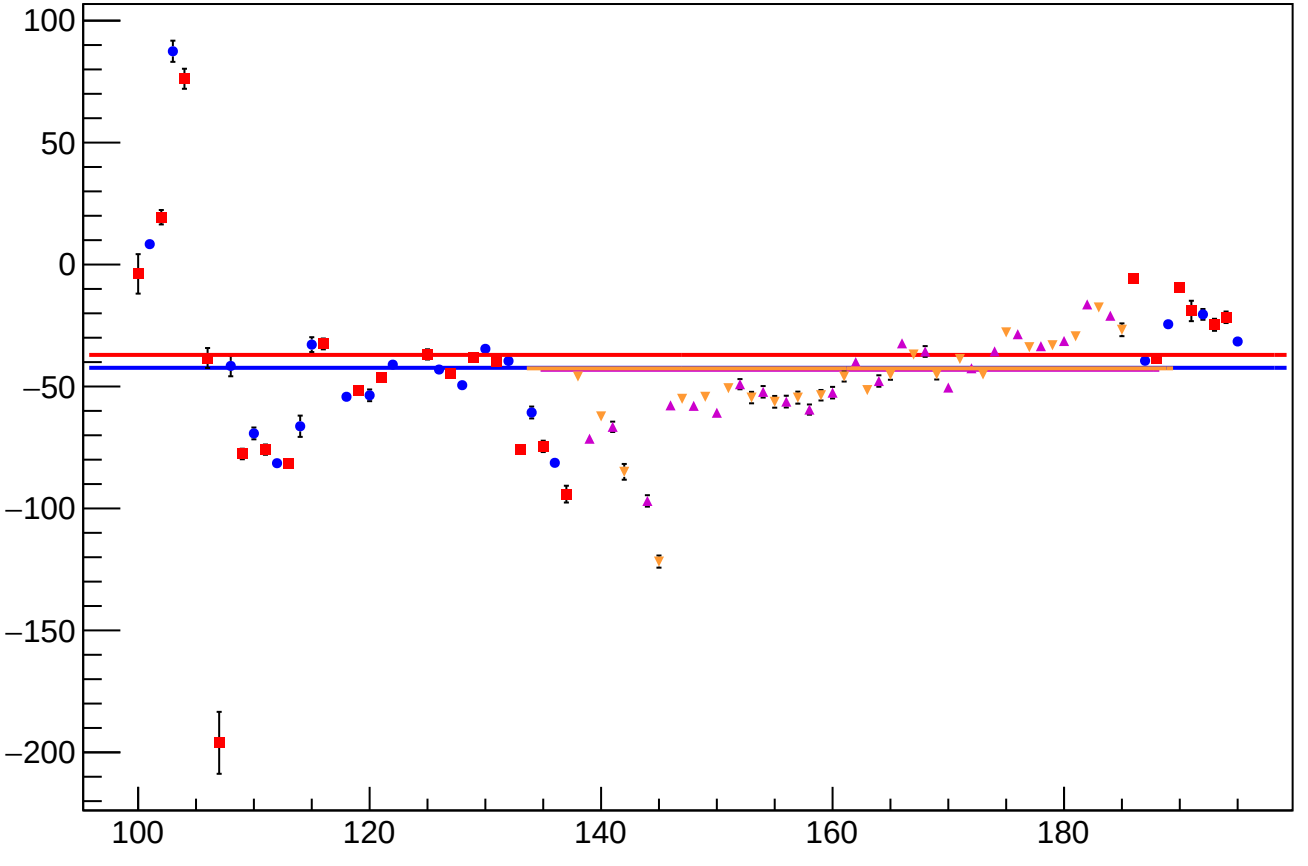
Right: 0.649+/-0.022 χ^2/NDF: 694425.5/44

In: 3.439+/-0.010 χ^2/NDF:616166.7/42

Out: 2.647+/-0.010 χ^2/NDF:838065.1/49

All: 3.039+/-0.007 χ^2/NDF: 1457127.0/92

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -42.339+/-0.448 χ^2/NDF: 3150.5/19

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -37.046+/-0.382 χ^2/NDF: 5047.1/23

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

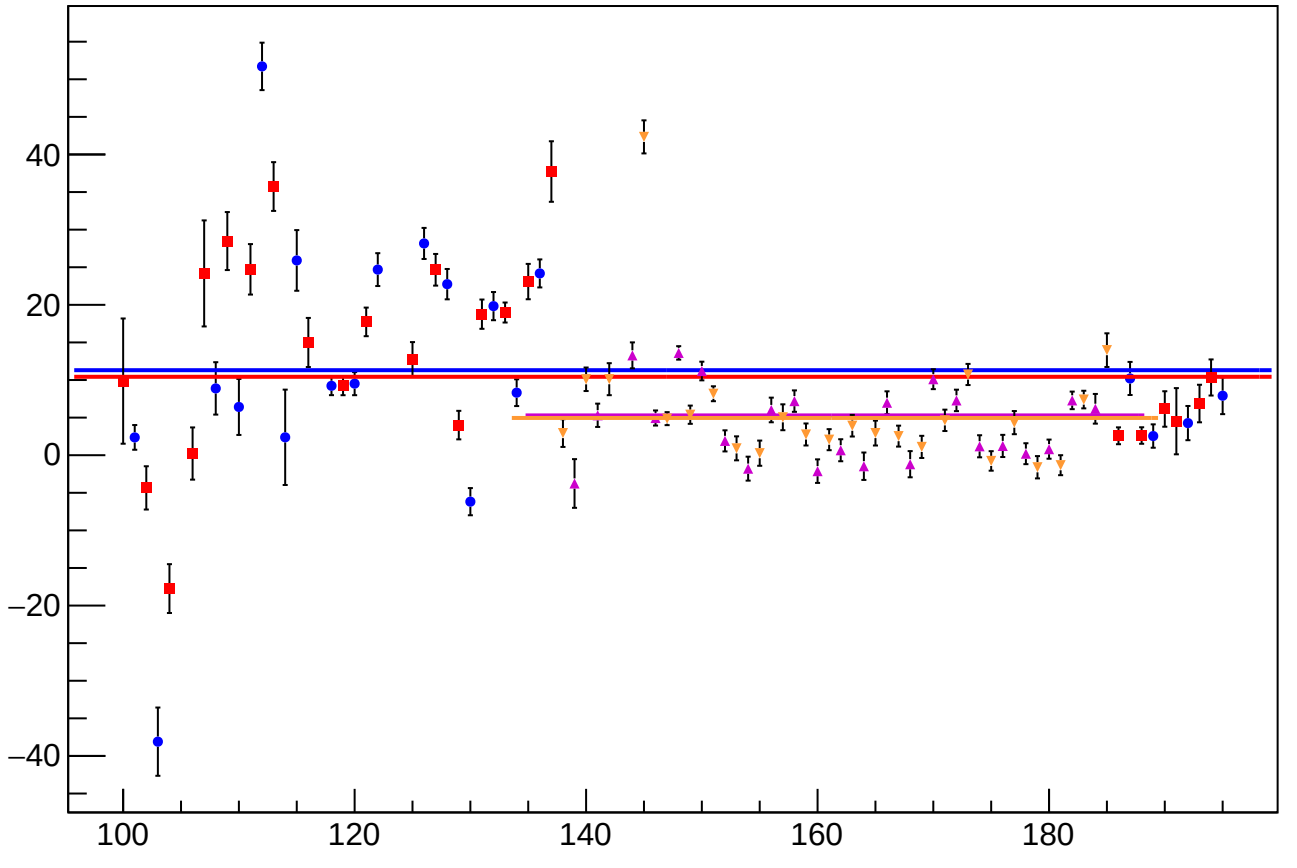
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -39.276+/-0.291 χ^2/NDF: 8278.4/43

In: -42.810+/-0.290 χ^2/NDF:5359.0/42

Out: -39.830+/-0.269 χ^2/NDF:7478.7/47

All: -41.205+/-0.197 χ^2/NDF: 12894.3/90



Right In: 11.307+/-0.461 χ^2/NDF: 677.9/19

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.429+/-0.424 χ^2/NDF: 532.2/23

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

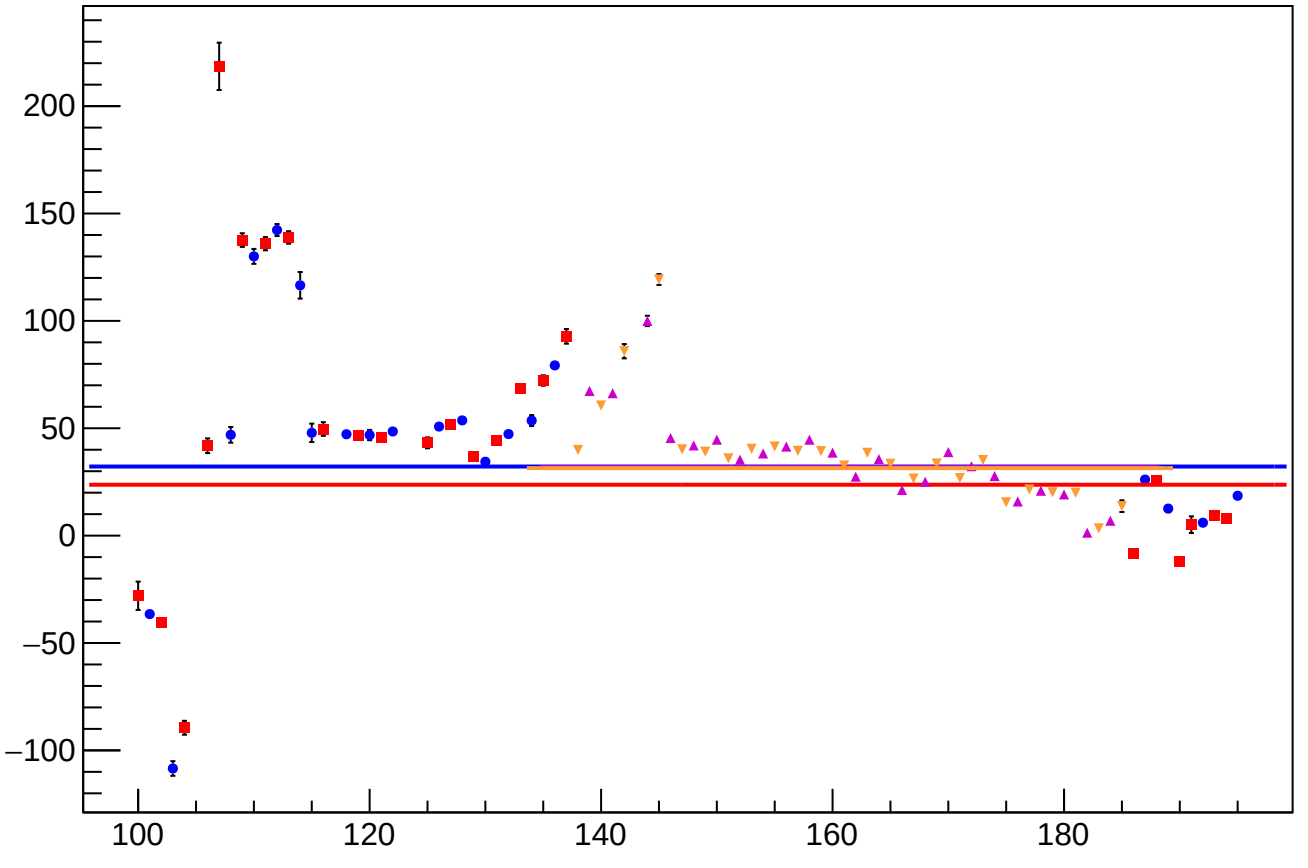
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 10.831+/-0.312 χ^2/NDF: 1212.0/43

In: 7.031+/-0.248 χ^2/NDF:1085.1/42

Out: 6.688+/-0.238 χ^2/NDF:1095.3/47

All: 6.853+/-0.172 χ^2/NDF: 2181.3/90



Right In: 32.178+/-0.446 χ^2/NDF: 8020.3/19

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 23.699+/-0.358 χ^2/NDF: 11021.3/23

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

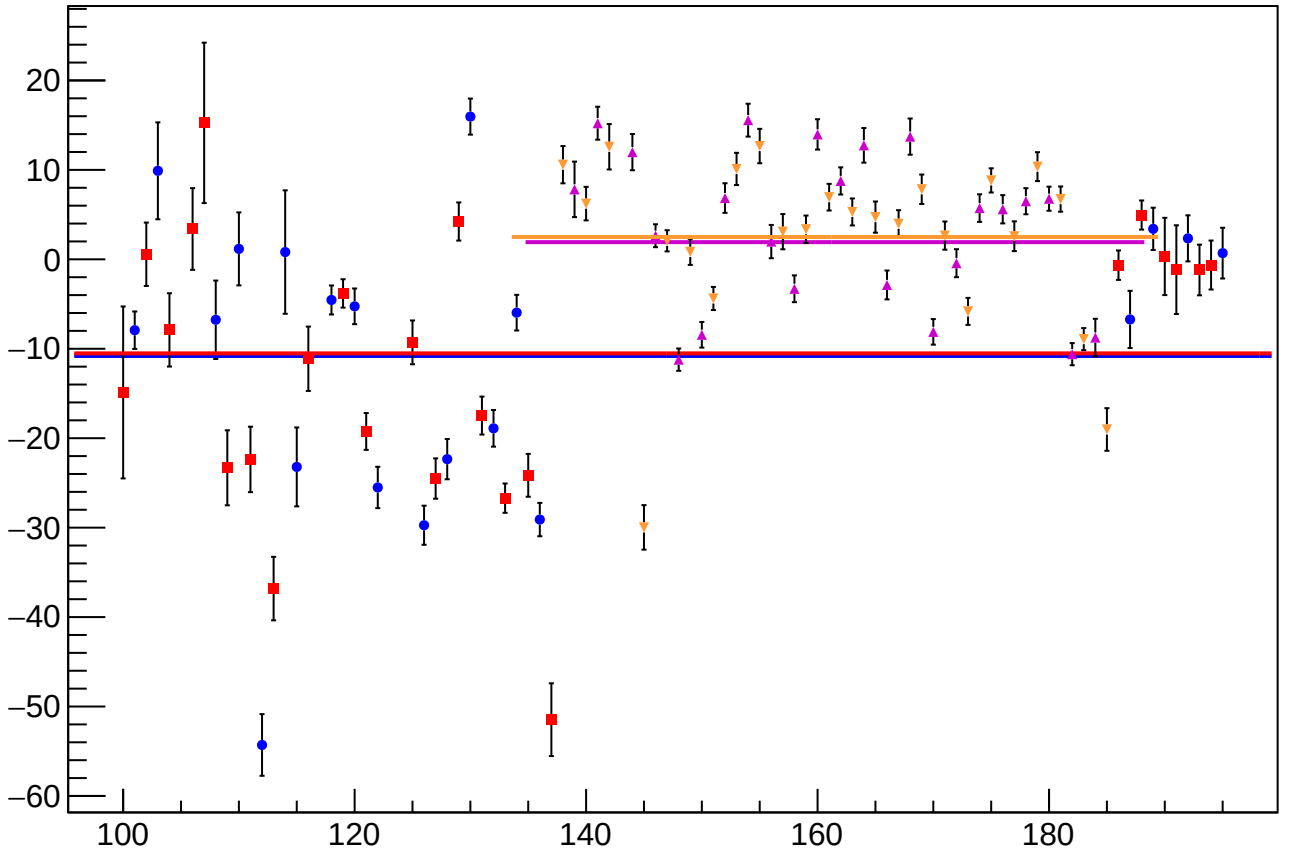
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 27.023+/-0.279 χ^2/NDF: 19261.4/43

In: 32.014+/-0.288 χ^2/NDF:10787.8/42

Out: 27.385+/-0.259 χ^2/NDF:14005.8/47

All: 29.453+/-0.193 χ^2/NDF: 24936.1/90



Right In: -10.804+/-0.548 χ^2/NDF: 734.7/19

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -10.516+/-0.524 χ^2/NDF: 627.1/23

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

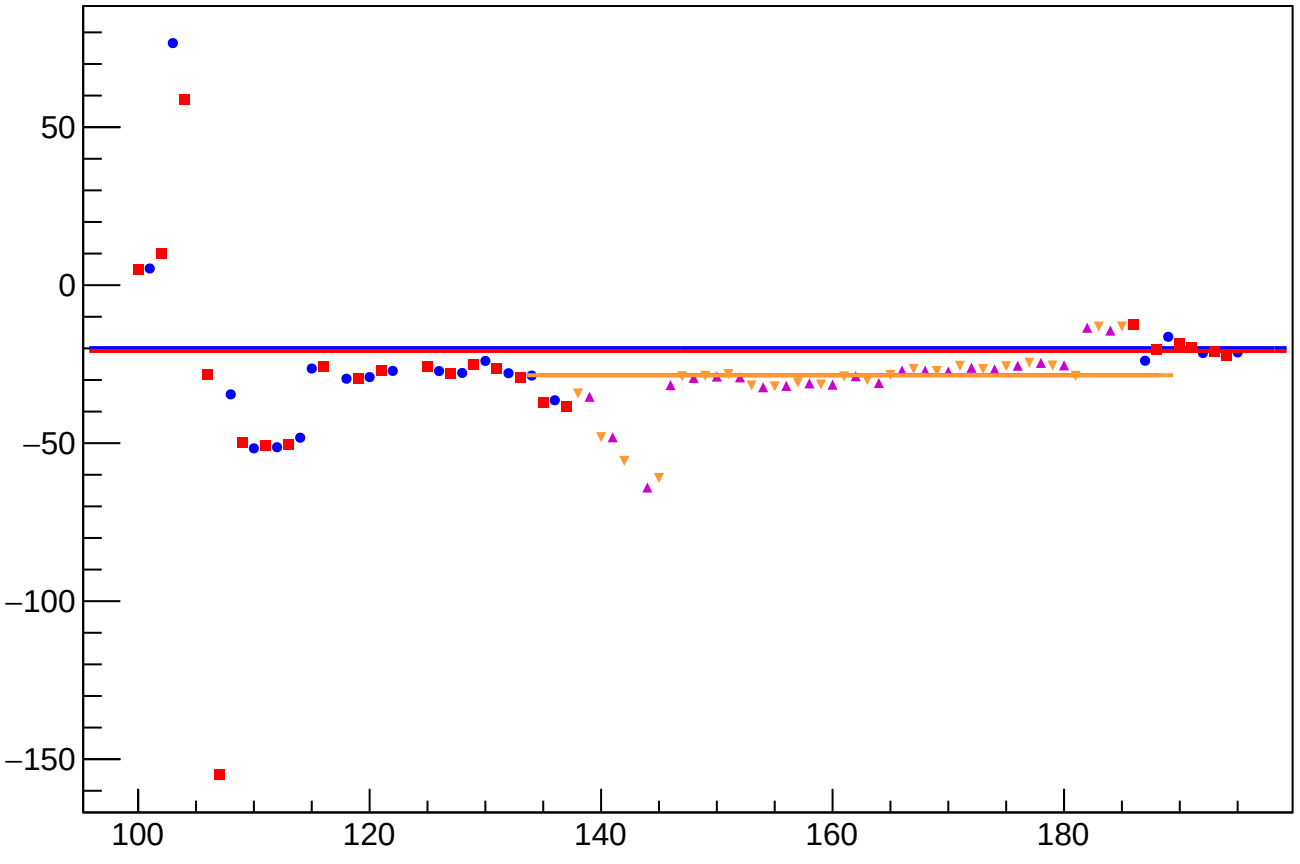
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -10.654+/-0.379 χ^2/NDF: 1362.0/43

In: -1.497+/-0.284 χ^2/NDF:1808.2/42

Out: -1.149+/-0.277 χ^2/NDF:1629.8/47

All: -1.319+/-0.198 χ^2/NDF: 3438.8/90



Right In: -19.919+/-0.029 χ^2/NDF: 649331.6/19

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.812+/-0.028 χ^2/NDF: 553067.4/23

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

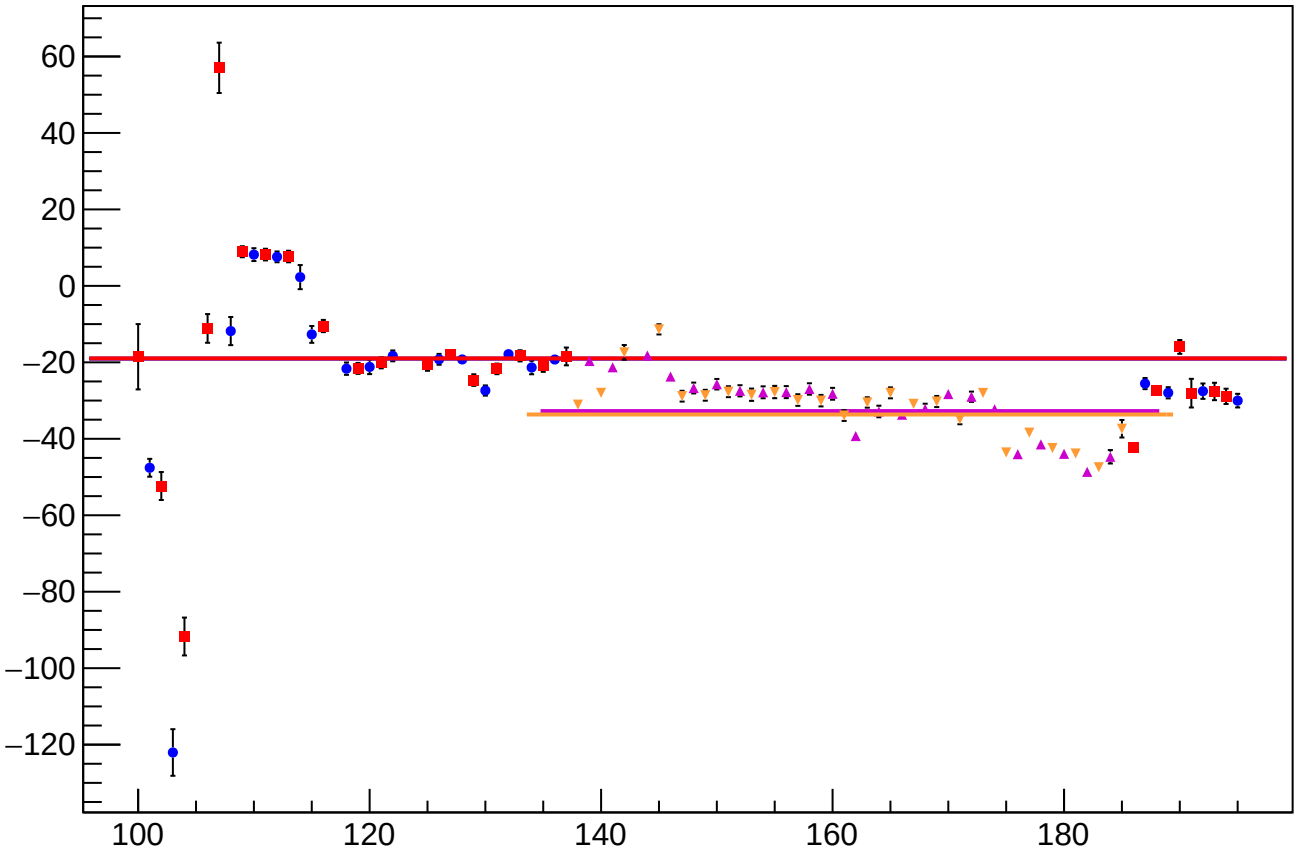
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -20.383+/-0.020 χ^2/NDF: 1202889.2/43

In: -26.729+/-0.013 χ^2/NDF:1006166.1/42

Out: -26.835+/-0.013 χ^2/NDF:946129.1/47

All: -26.782+/-0.009 χ^2/NDF: 1952327.7/90



Right In: -19.030+/-0.362 χ^2/NDF: 1267.6/19

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -18.972+/-0.336 χ^2/NDF: 1980.4/23

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

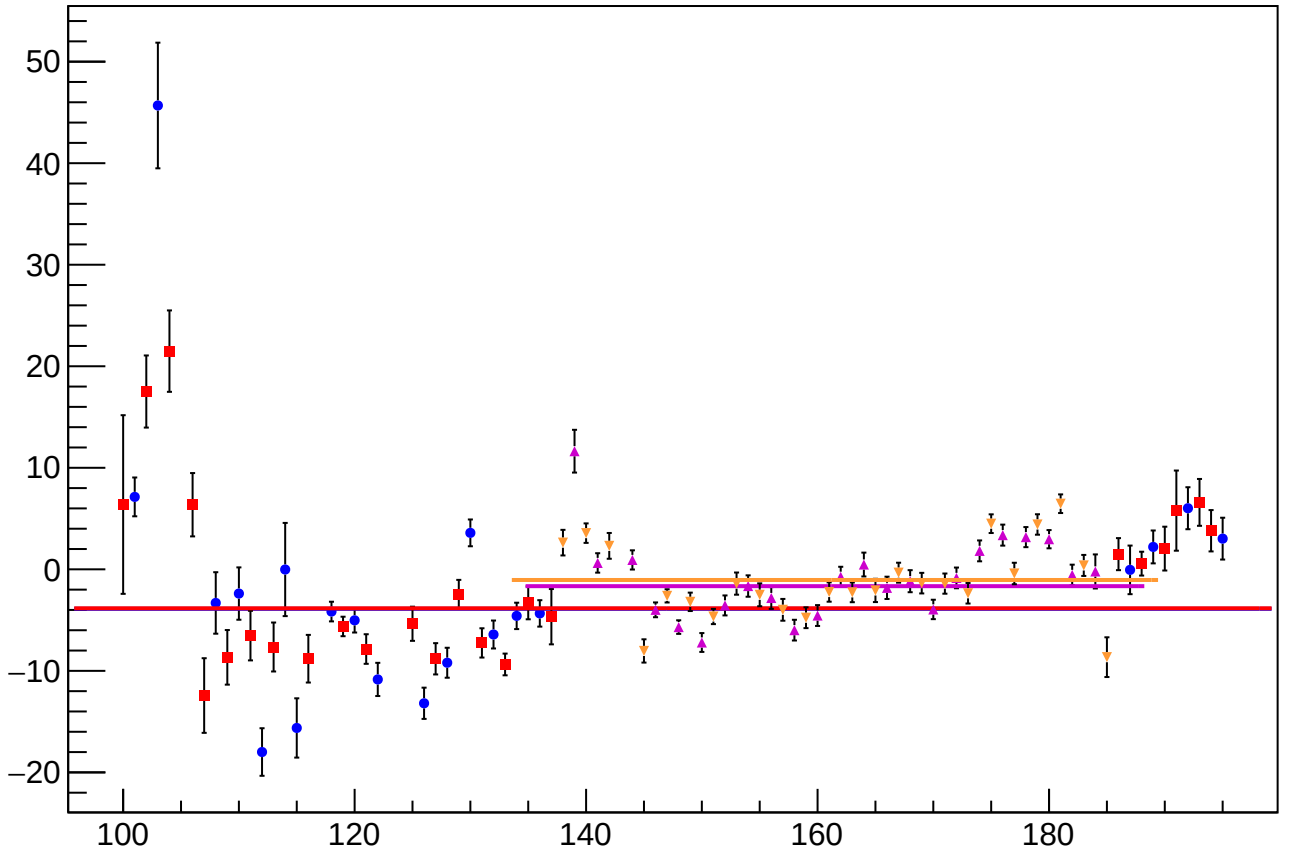
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -18.999+/-0.246 χ^2/NDF: 3248.0/43

In: -27.882+/-0.216 χ^2/NDF:3337.1/42

Out: -28.010+/-0.208 χ^2/NDF:4172.0/47

All: -27.948+/-0.150 χ^2/NDF: 7509.2/90



Right In: -3.888+/-0.372 χ^2/NDF: 306.4/19

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.840+/-0.365 χ^2/NDF: 234.1/23

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

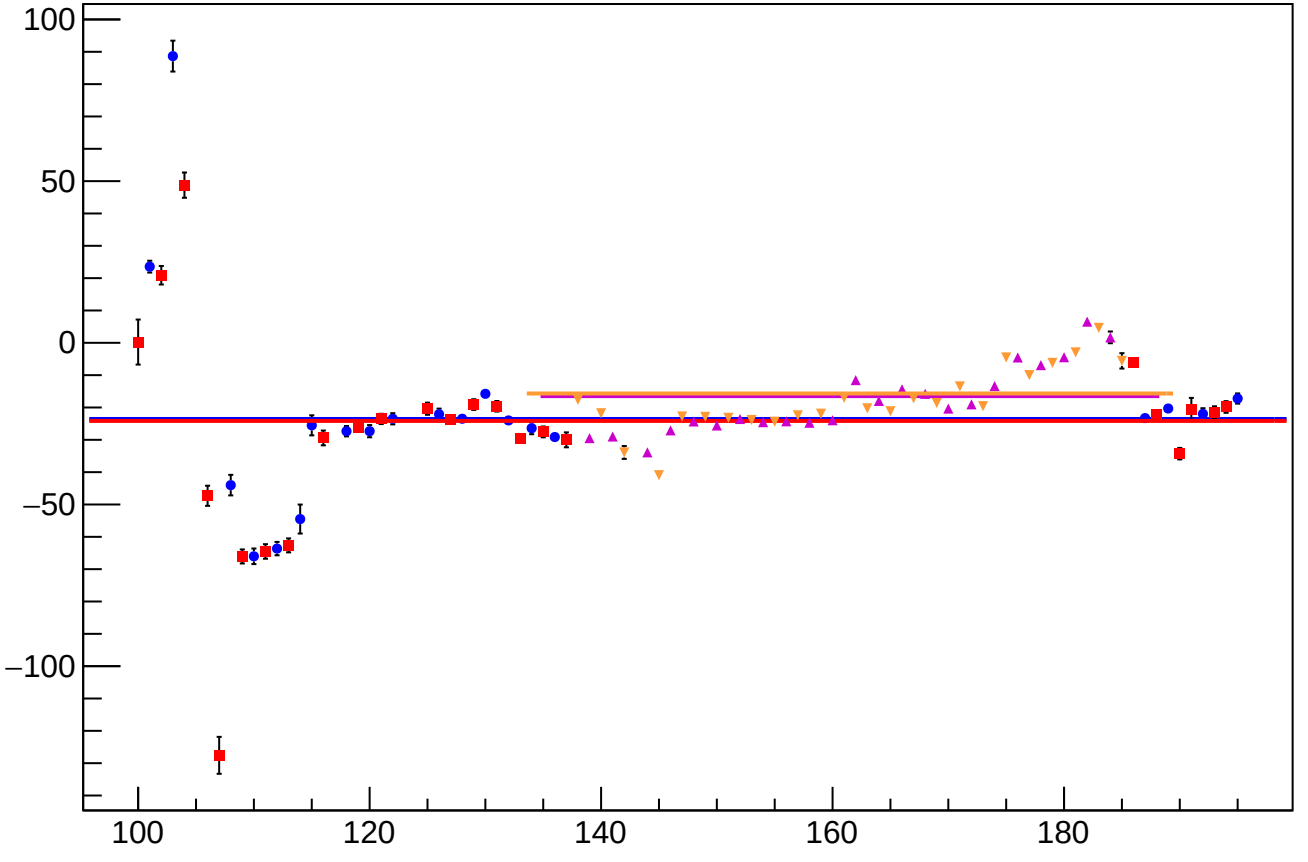
Right: -3.864+/-0.260 χ^2/NDF: 540.6/43

In: -2.185+/-0.181 χ^2/NDF:598.3/42

Out: -1.710+/-0.177 χ^2/NDF:568.2/47

All: -1.943+/-0.127 χ^2/NDF: 1170.0/90

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -23.554+/-0.381 χ^2/NDF: 2080.9/19

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.151+/-0.341 χ^2/NDF: 2432.0/23

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

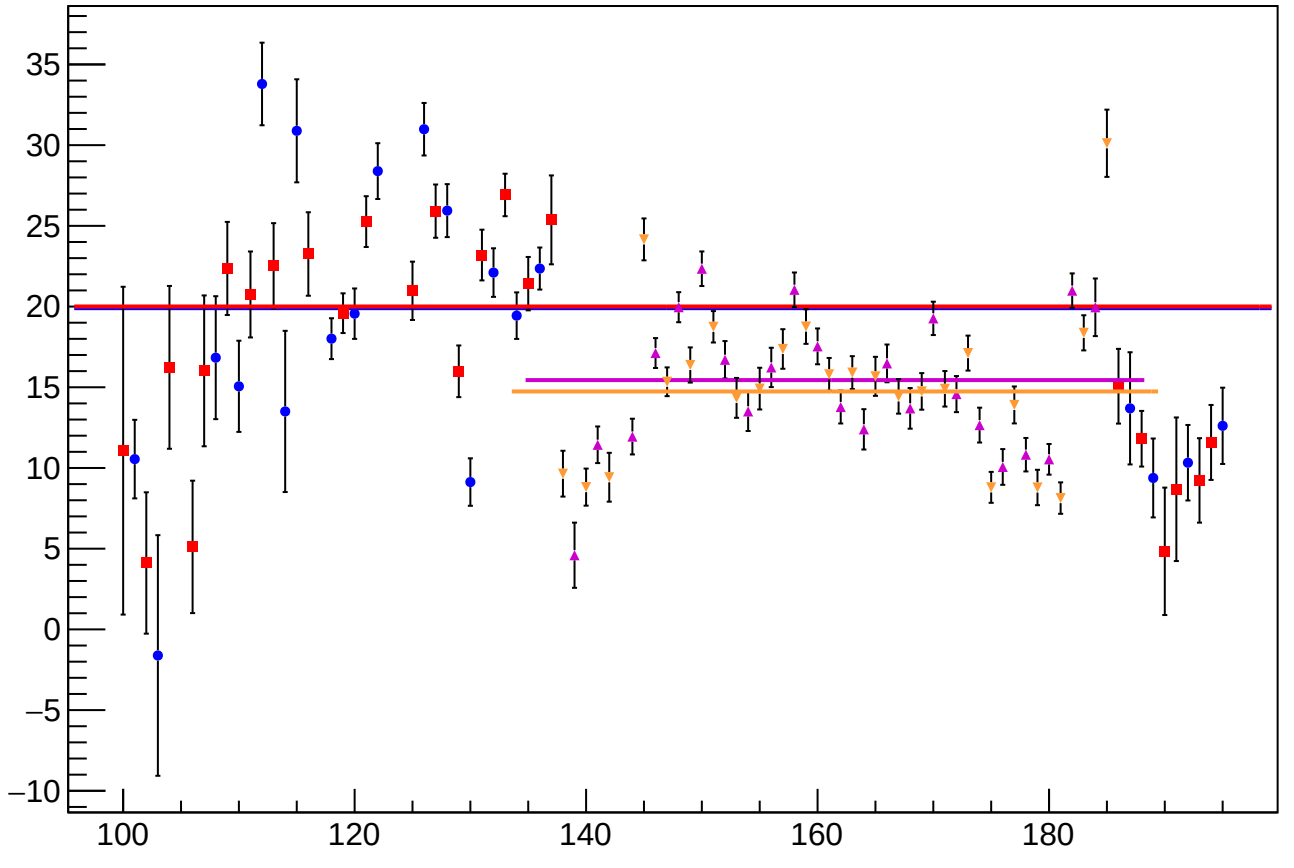
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -23.885+/-0.254 χ^2/NDF: 4514.3/43

In: -18.794+/-0.218 χ^2/NDF:4010.1/42

Out: -18.833+/-0.208 χ^2/NDF:4339.8/47

All: -18.814+/-0.151 χ^2/NDF: 8349.9/90



Right In: 19.900+/-0.431 χ^2/NDF: 263.5/19

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 20.004+/-0.433 χ^2/NDF: 177.1/23

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

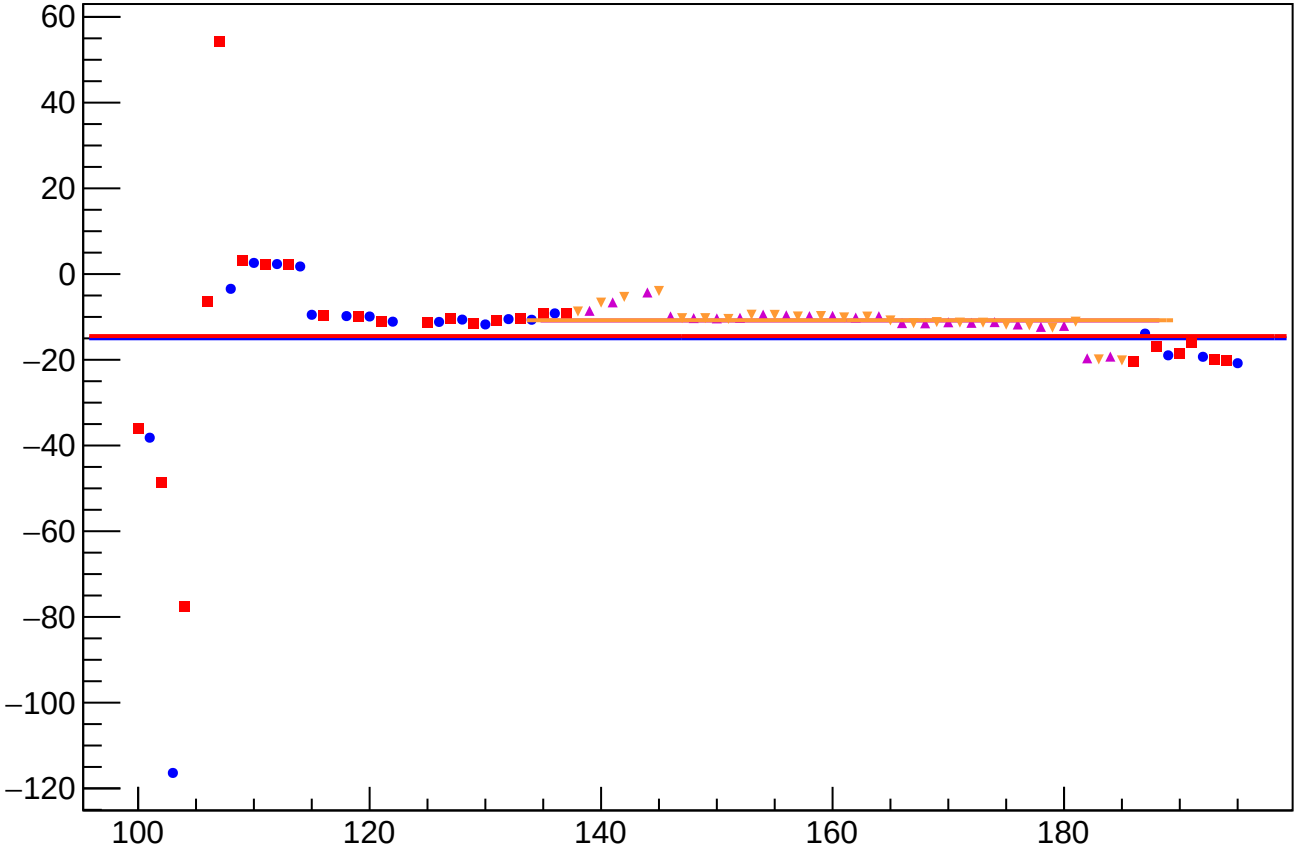
Right: 19.952+/-0.305 χ^2/NDF: 440.6/43

In: 16.451+/-0.205 χ^2/NDF:636.6/42

Out: 15.895+/-0.203 χ^2/NDF:623.5/47

All: 16.170+/-0.144 χ^2/NDF: 1263.8/90

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -14.983+/-0.024 χ^2/NDF: 361363.4/19

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -14.470+/-0.024 χ^2/NDF: 337653.2/23

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

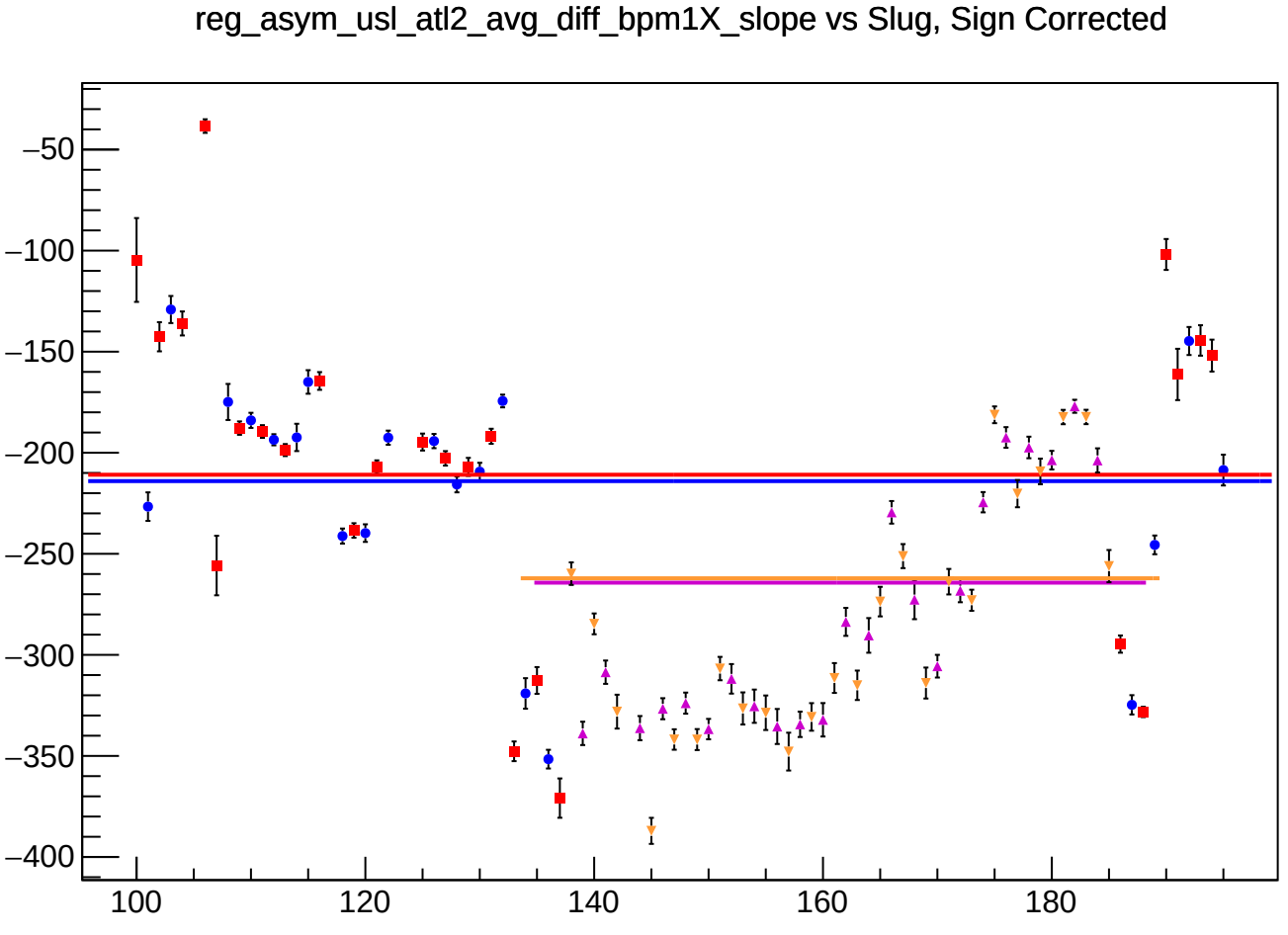
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -14.728+/-0.017 χ^2/NDF: 699246.5/43

In: -11.487+/-0.009 χ^2/NDF:460949.6/42

Out: -11.351+/-0.009 χ^2/NDF:442398.9/47

All: -11.419+/-0.007 χ^2/NDF: 903452.5/90



Right In: -214.032+/-0.996 χ^2/NDF: 2461.6/19

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -210.886+/-0.888 χ^2/NDF: 7390.8/23

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

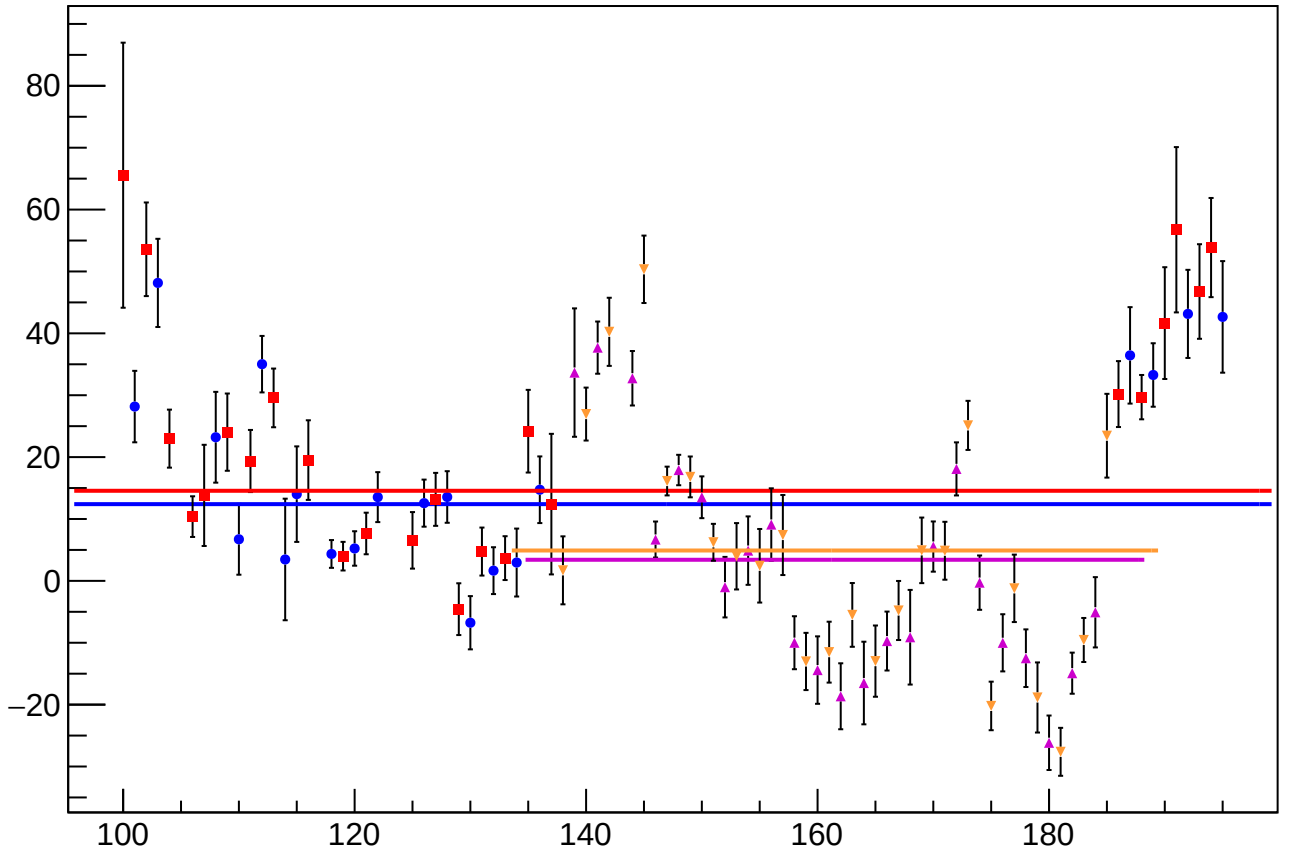
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -212.280+/-0.663 χ^2/NDF: 9858.0/43

In: -234.823+/-0.763 χ^2/NDF:6256.0/42

Out: -229.425+/-0.709 χ^2/NDF:11559.2/47

All: -231.929+/-0.519 χ^2/NDF: 17842.0/90



Right In: 12.399+/-1.017 χ^2/NDF: 167.9/19

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 14.558+/-0.961 χ^2/NDF: 205.4/23

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

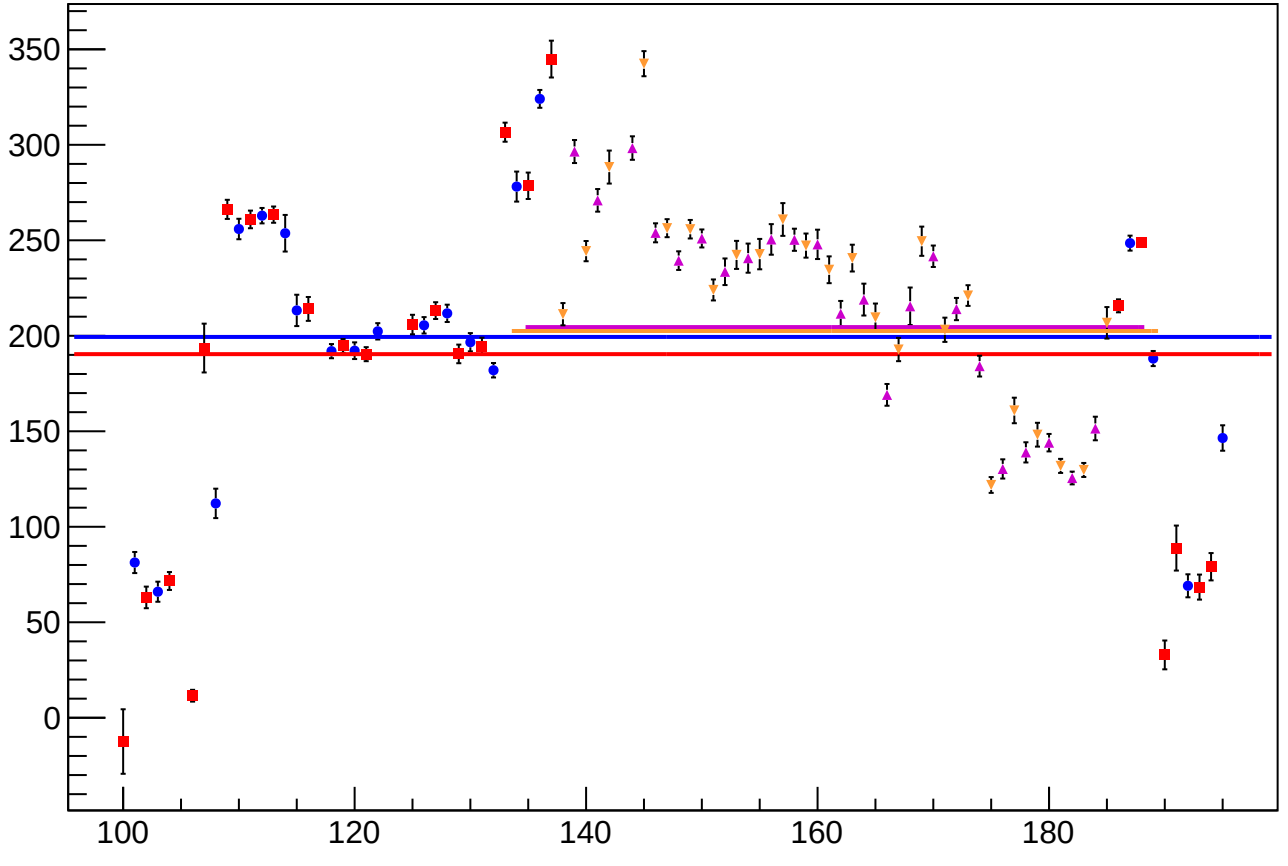
Right: 13.539+/-0.699 χ^2/NDF: 375.6/43

In: 7.362+/-0.674 χ^2/NDF:545.0/42

Out: 9.342+/-0.652 χ^2/NDF:658.8/47

All: 8.386+/-0.469 χ^2/NDF: 1208.2/90

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.401+/-1.088 χ^2/NDF: 3167.7/19

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 190.392+/-0.931 χ^2/NDF: 8372.3/23

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

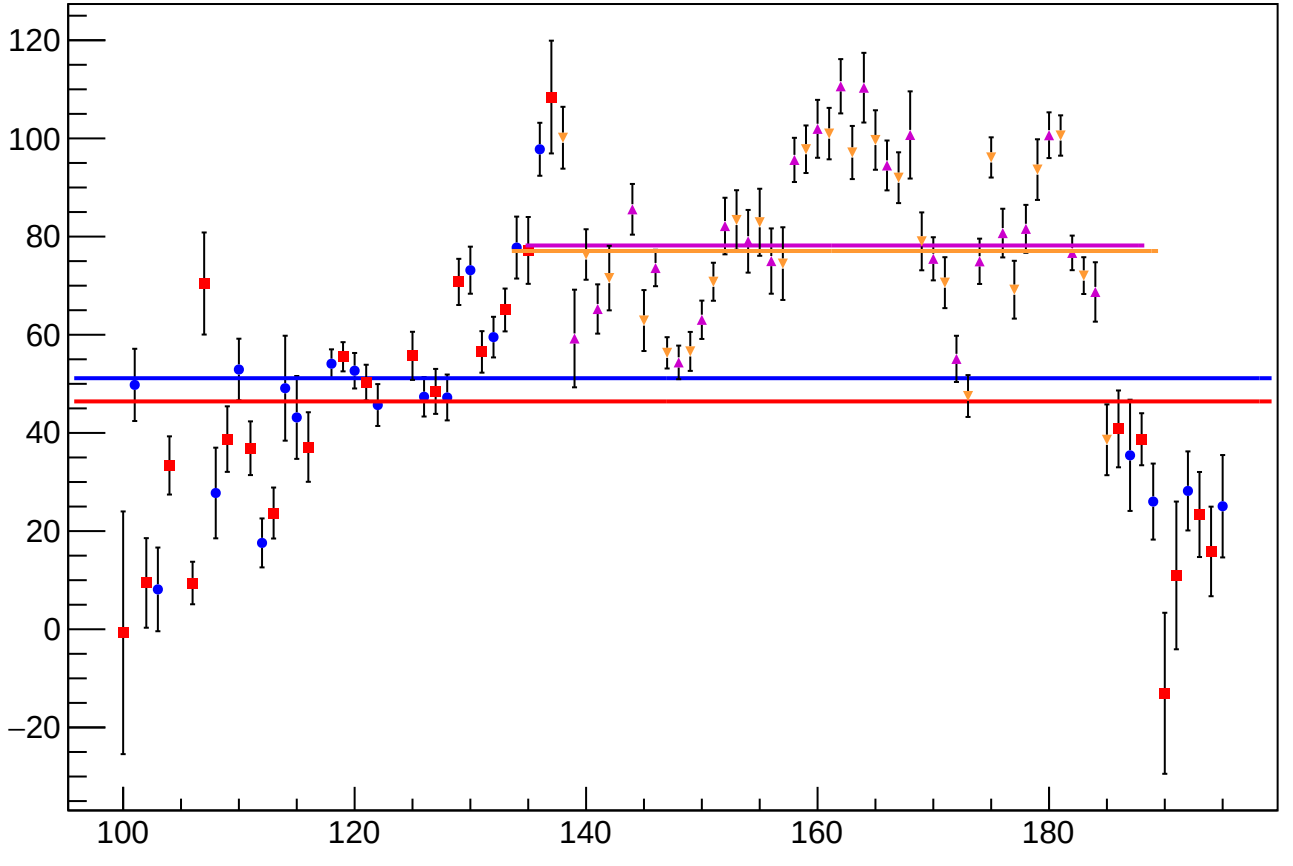
Right: 194.199+/-0.707 χ^2/NDF: 11579.6/43

In: 201.778+/-0.799 χ^2/NDF:5463.8/42

Out: 195.076+/-0.729 χ^2/NDF:10831.3/47

All: 198.121+/-0.539 χ^2/NDF: 16333.5/90

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 51.149+/-1.197 χ^2/NDF: 227.1/19

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 46.420+/-1.144 χ^2/NDF: 282.6/23

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

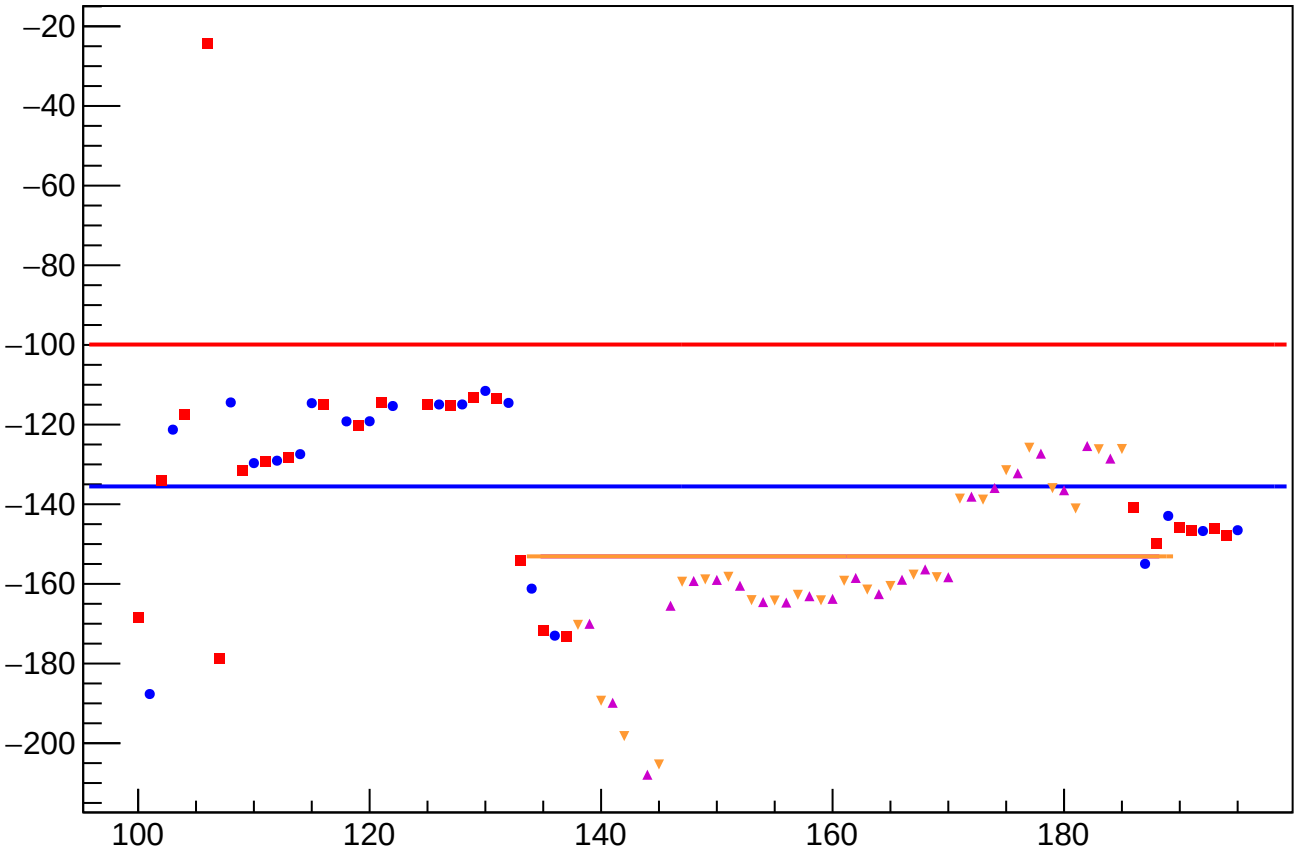
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 48.678+/-0.827 χ^2/NDF: 517.9/43

In: 66.743+/-0.779 χ^2/NDF:753.9/42

Out: 63.566+/-0.759 χ^2/NDF:995.0/47

All: 65.115+/-0.544 χ^2/NDF: 1757.5/90



Right In: -135.530+/-0.073 χ^2/NDF: 99222.8/19

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -99.901+/-0.058 χ^2/NDF: 882453.4/23

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

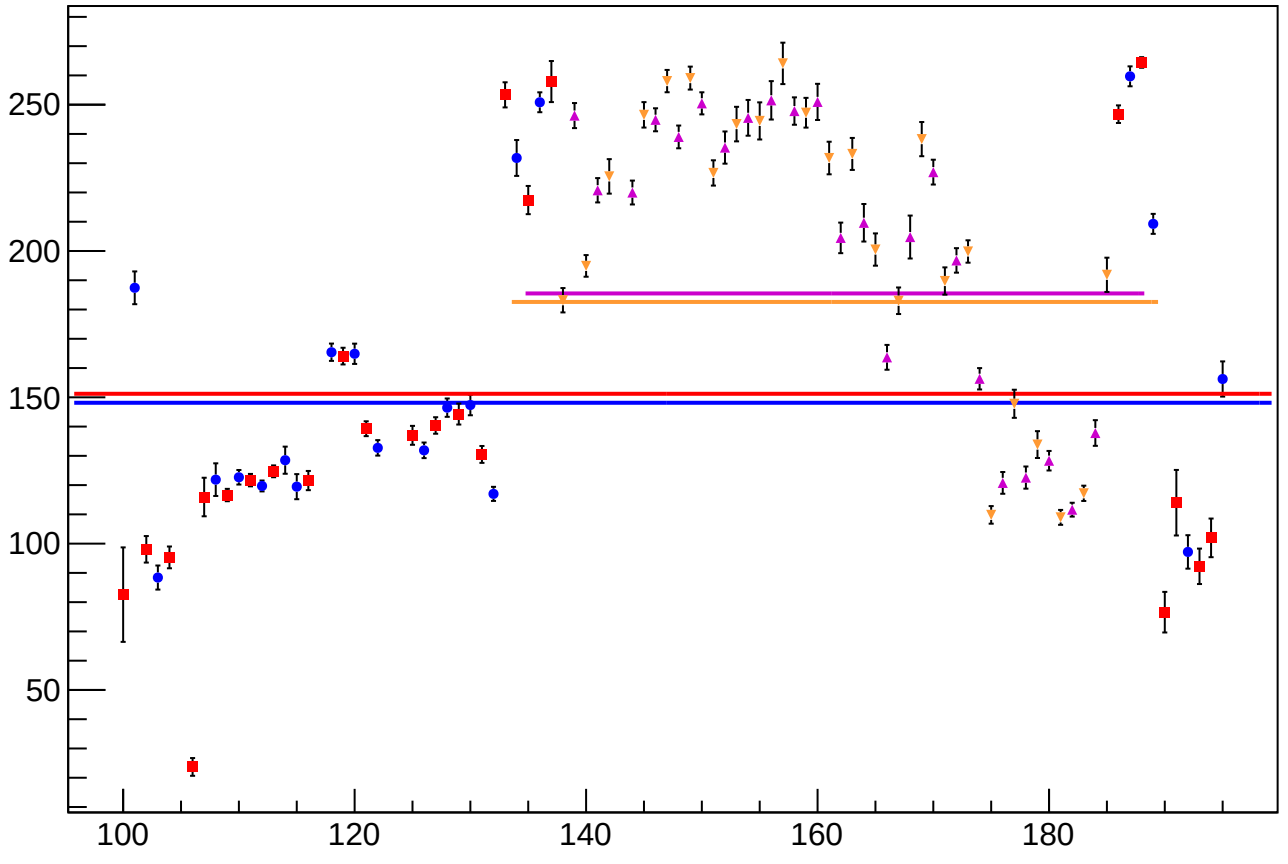
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -113.699+/-0.045 χ^2/NDF: 1128464.6/43

In: -147.990+/-0.039 χ^2/NDF:307183.8/42

Out: -131.995+/-0.036 χ^2/NDF:1569715.1/47

All: -139.397+/-0.027 χ^2/NDF: 1966034.3/90



Right In: 148.136+/-0.734 χ^2/NDF: 3552.1/19

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 151.206+/-0.652 χ^2/NDF: 9211.0/23

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

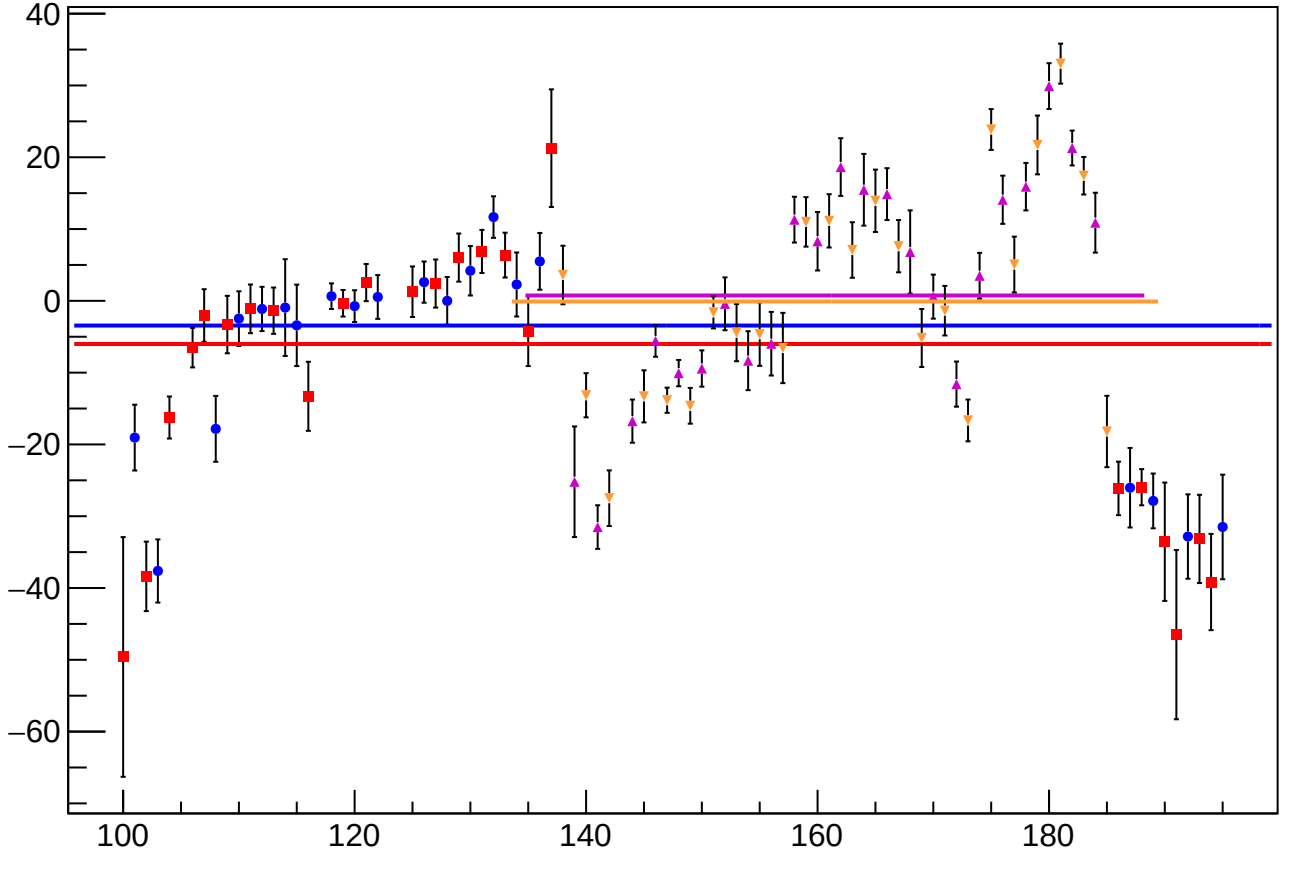
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 149.852+/-0.488 χ^2/NDF: 12772.9/43

In: 163.628+/-0.562 χ^2/NDF:8447.9/42

Out: 162.570+/-0.521 χ^2/NDF:14201.3/47

All: 163.059+/-0.382 χ^2/NDF: 22651.1/90



Right In: -3.442+/-0.772 χ^2/NDF: 233.0/19

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.010+/-0.720 χ^2/NDF: 319.9/23

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

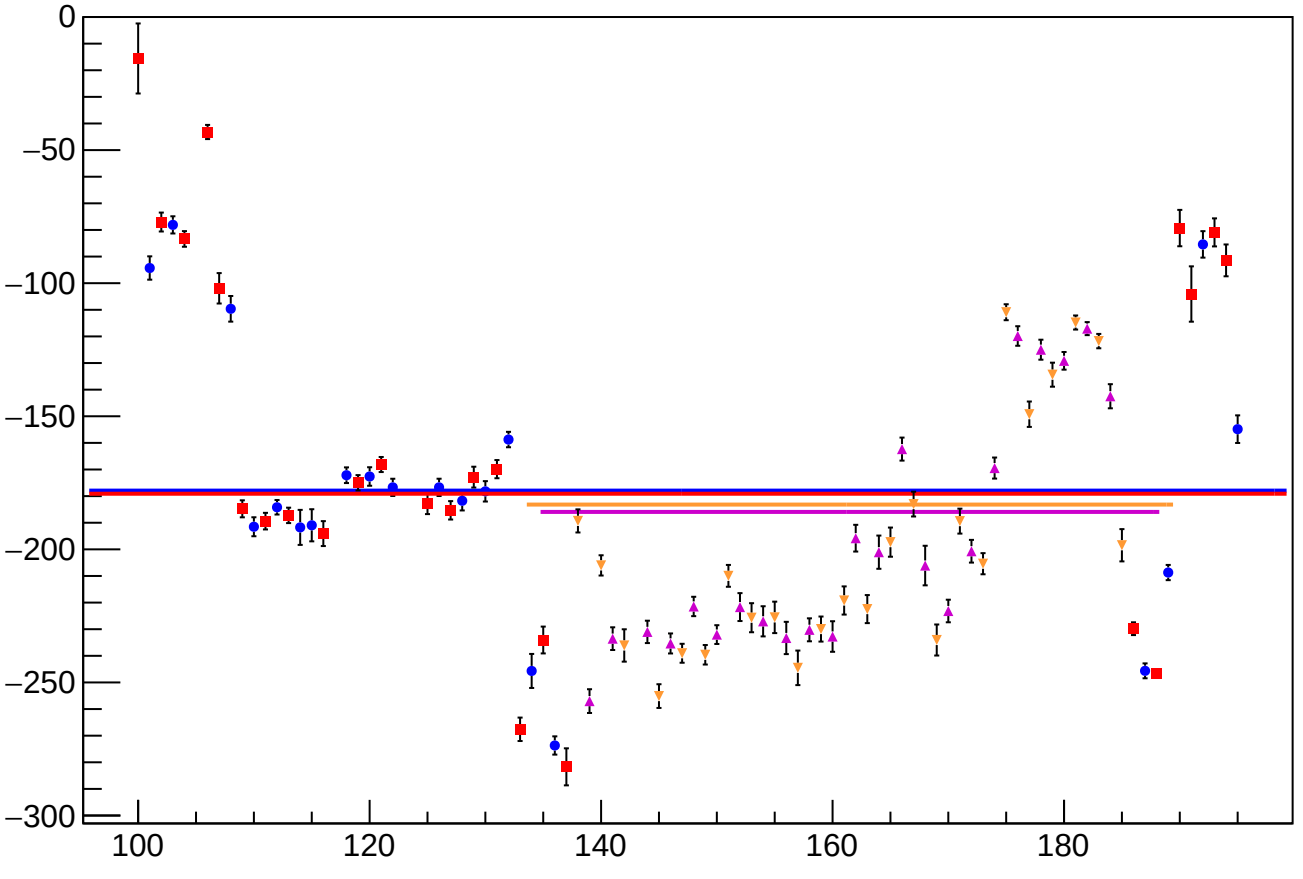
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -4.814+/-0.526 χ^2/NDF: 558.7/43

In: -1.039+/-0.504 χ^2/NDF:747.6/42

Out: -2.770+/-0.484 χ^2/NDF:912.1/47

All: -1.939+/-0.349 χ^2/NDF: 1665.9/90



Right In: -177.932+/-0.805 χ^2/NDF: 3560.2/19

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -179.103+/-0.685 χ^2/NDF: 9049.7/23

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

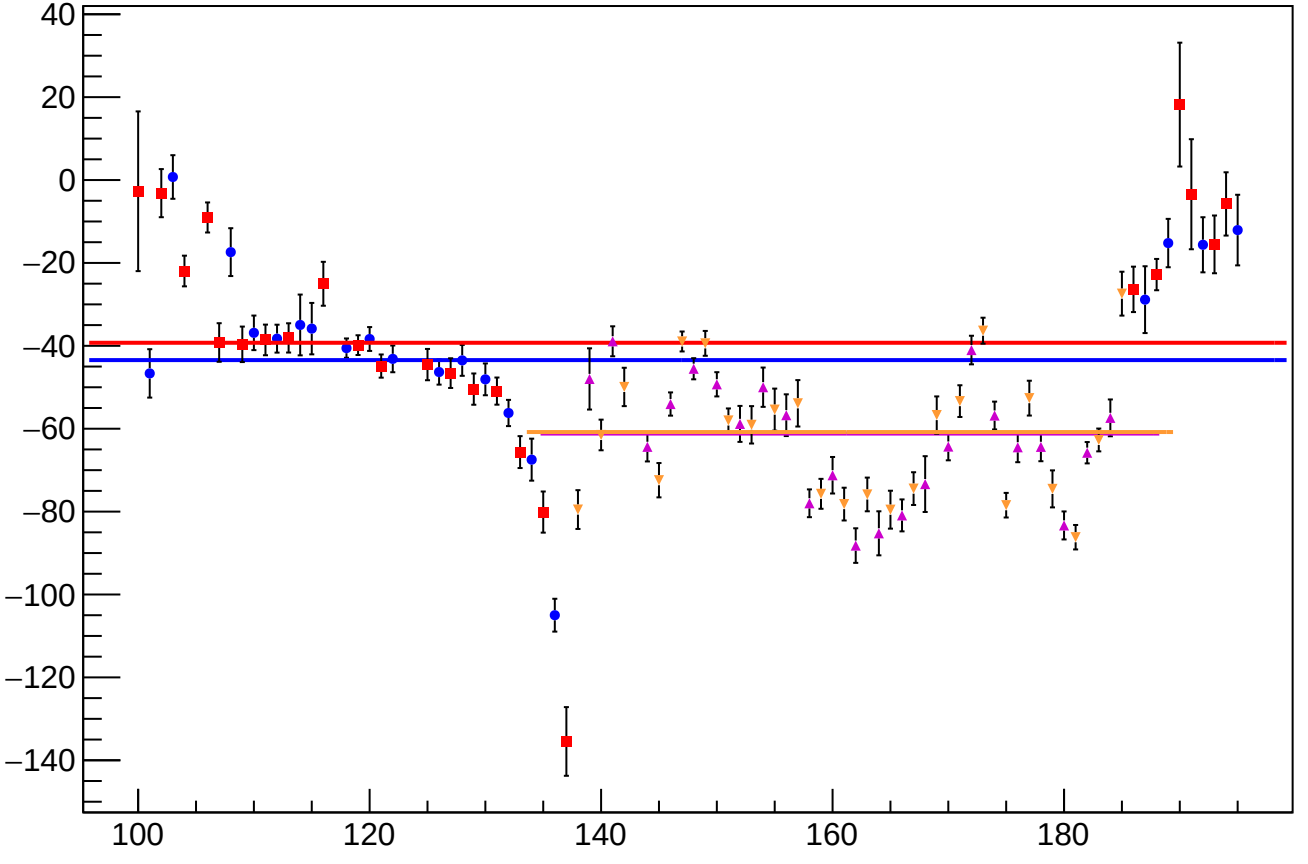
Right: -178.612+/-0.521 χ^2/NDF: 12611.1/43

In: -181.637+/-0.590 χ^2/NDF:6787.5/42

Out: -180.678+/-0.536 χ^2/NDF:12424.5/47

All: -181.111+/-0.397 χ^2/NDF: 19213.5/90

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.444+/-0.906 χ^2/NDF: 443.7/19

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -39.263+/-0.857 χ^2/NDF: 499.7/23

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

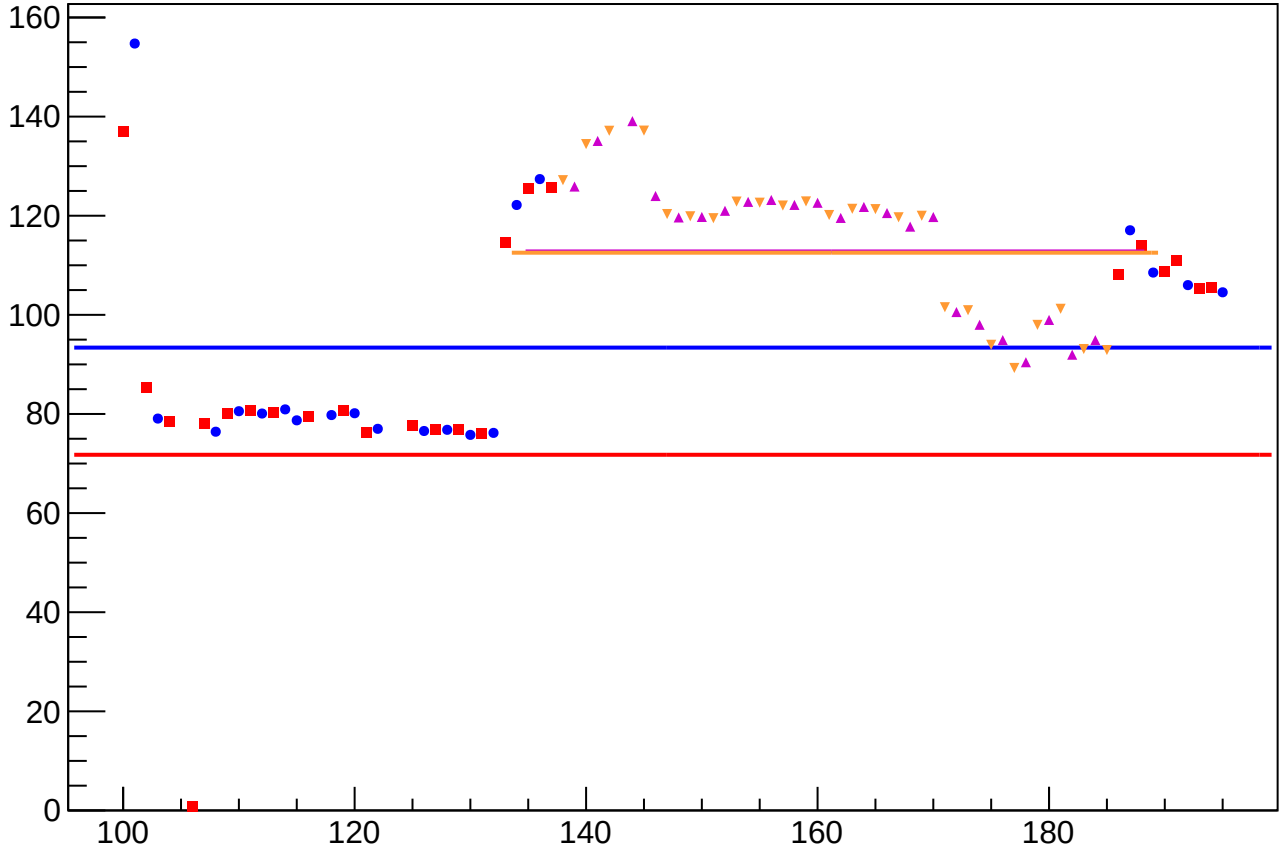
Right: -41.239+/-0.623 χ^2/NDF: 954.7/43

In: -53.884+/-0.581 χ^2/NDF:986.2/42

Out: -51.478+/-0.564 χ^2/NDF:1331.7/47

All: -52.646+/-0.405 χ^2/NDF: 2326.7/90

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 93.391+/-0.054 χ^2/NDF: 174653.7/19

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 71.766+/-0.045 χ^2/NDF: 804199.9/23

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

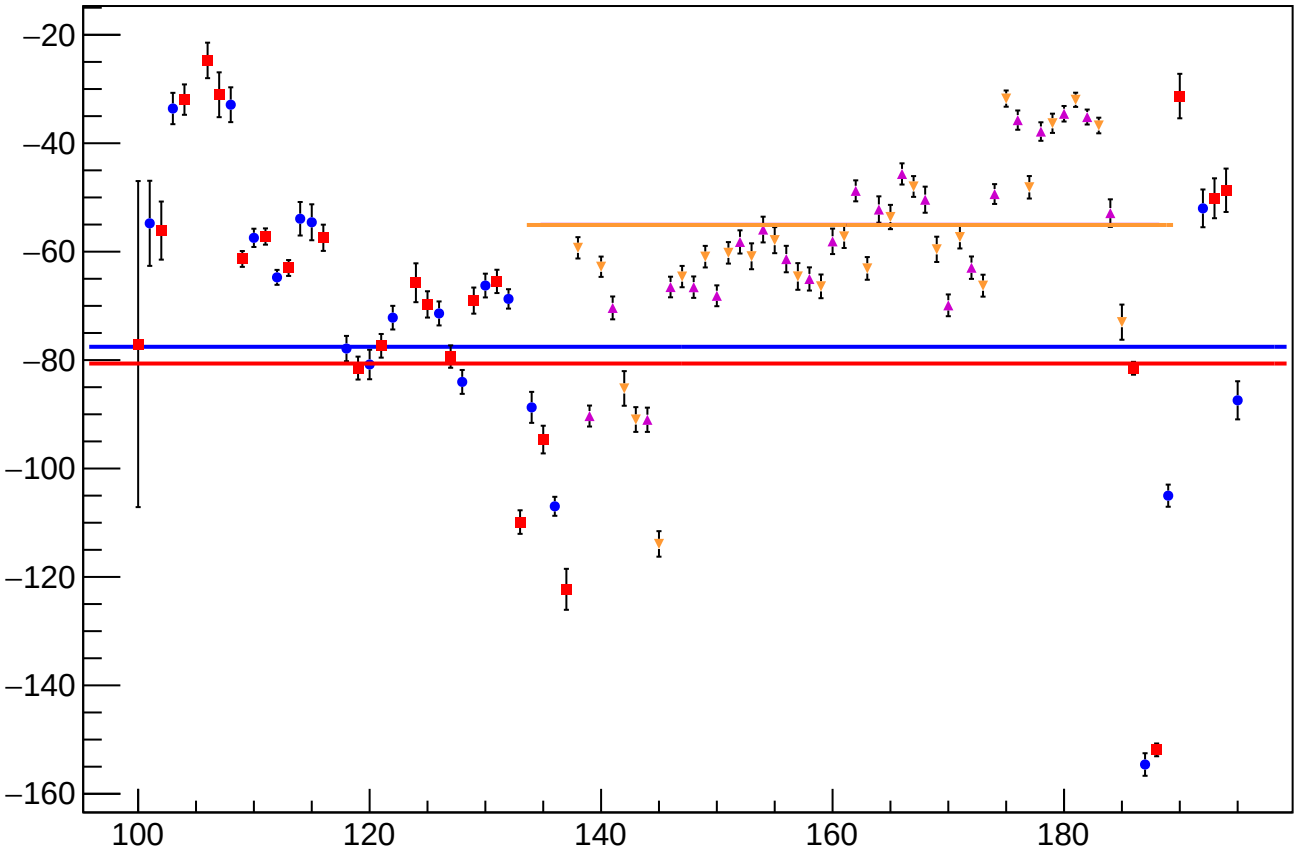
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 80.682+/-0.034 χ^2/NDF: 1074686.7/43

In: 107.119+/-0.029 χ^2/NDF:439202.8/42

Out: 97.338+/-0.027 χ^2/NDF:1496936.4/47

All: 101.956+/-0.020 χ^2/NDF: 1996347.7/90



Right In: -77.547+/-0.510 χ^2/NDF: 2752.8/19

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.635+/-0.437 χ^2/NDF: 5784.6/23

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

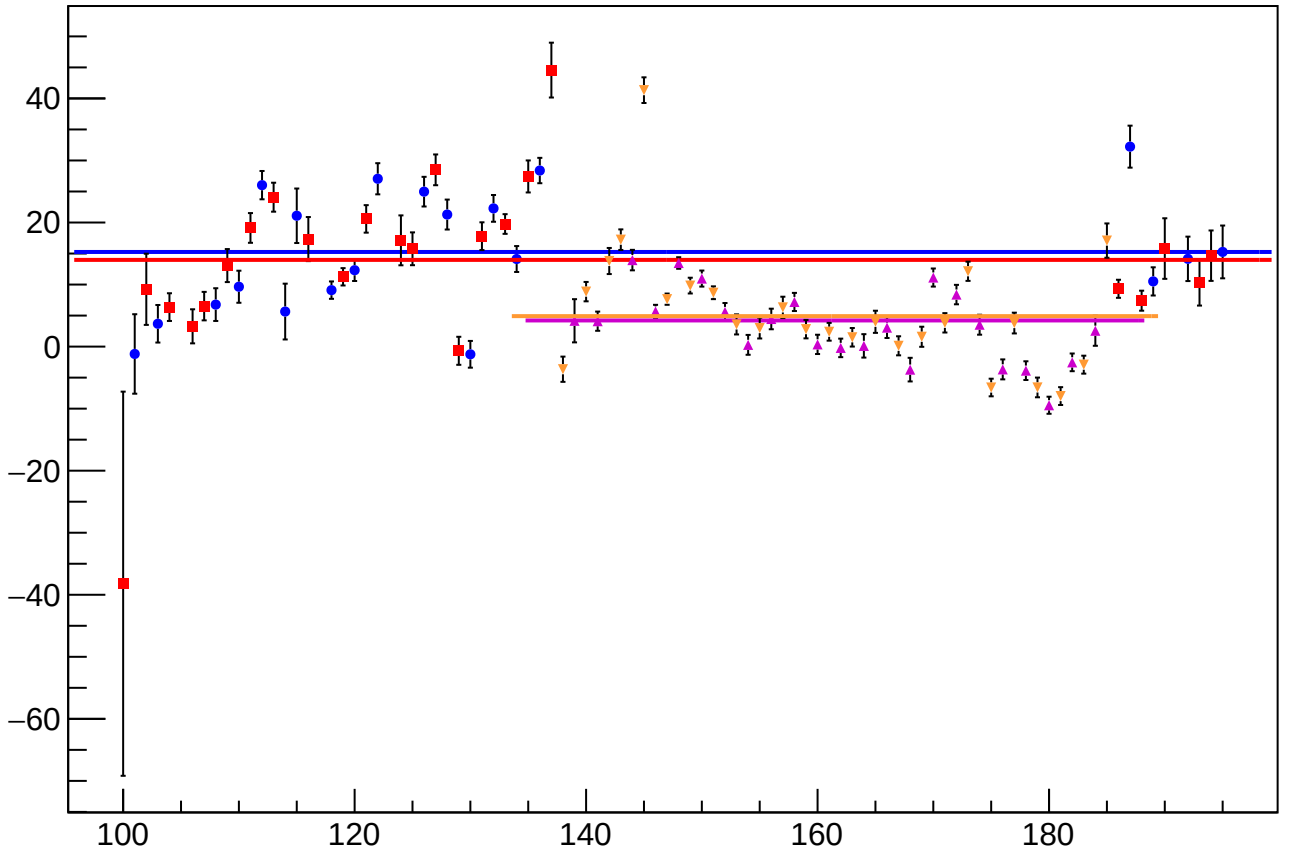
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -79.326+/-0.332 χ^2/NDF: 8558.5/43

In: -63.899+/-0.320 χ^2/NDF:5476.2/42

Out: -66.740+/-0.295 χ^2/NDF:9645.4/48

All: -65.432+/-0.217 χ^2/NDF: 15164.3/91



Right In: 15.253+/-0.544 χ^2/NDF: 272.1/19

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 13.976+/-0.486 χ^2/NDF: 274.6/23

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

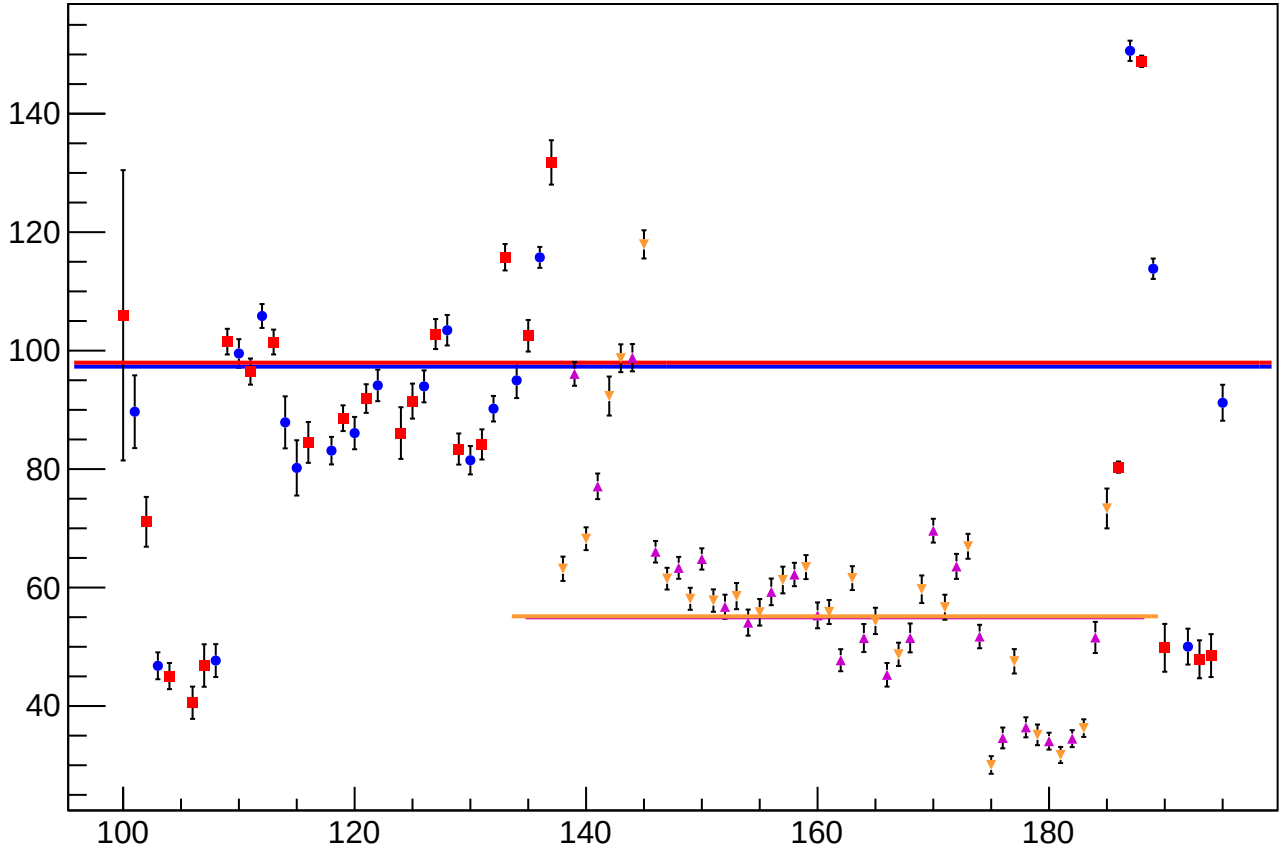
Right: 14.543+/-0.362 χ^2/NDF: 549.8/43

In: 6.951+/-0.271 χ^2/NDF:996.7/42

Out: 7.430+/-0.256 χ^2/NDF:1267.6/48

All: 7.204+/-0.186 χ^2/NDF: 2266.0/91

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 97.301+/-0.548 χ^2/NDF: 2393.4/19

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 97.970+/-0.443 χ^2/NDF: 5326.1/23

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

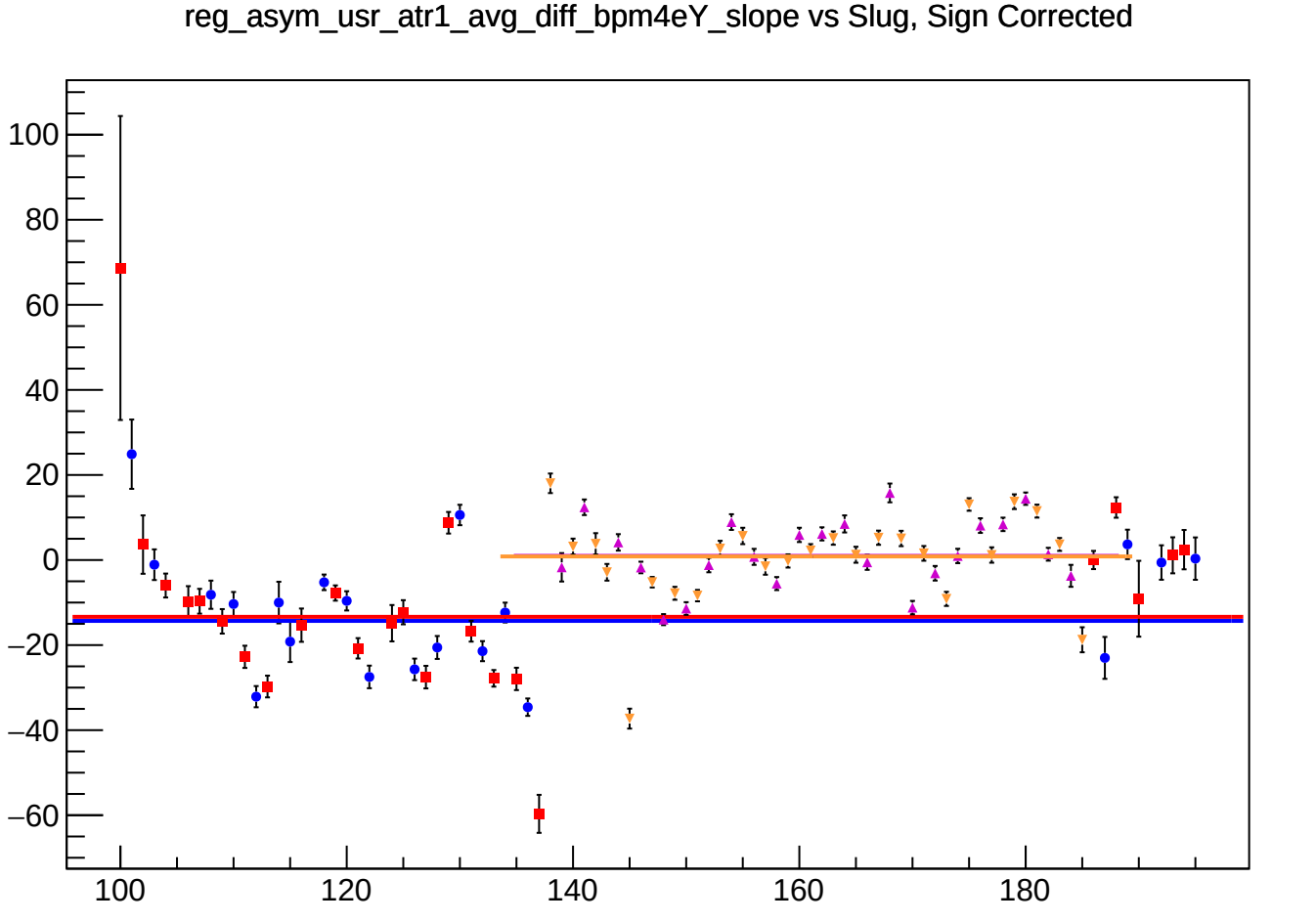
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 97.705+/-0.345 χ^2/NDF: 7720.4/43

In: 69.965+/-0.326 χ^2/NDF:8031.8/42

Out: 74.198+/-0.296 χ^2/NDF:12749.0/48

All: 72.287+/-0.219 χ^2/NDF: 20873.3/91



Right In: -14.315+/-0.634 χ^2/NDF: 439.7/19

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -13.356+/-0.585 χ^2/NDF: 570.9/23

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

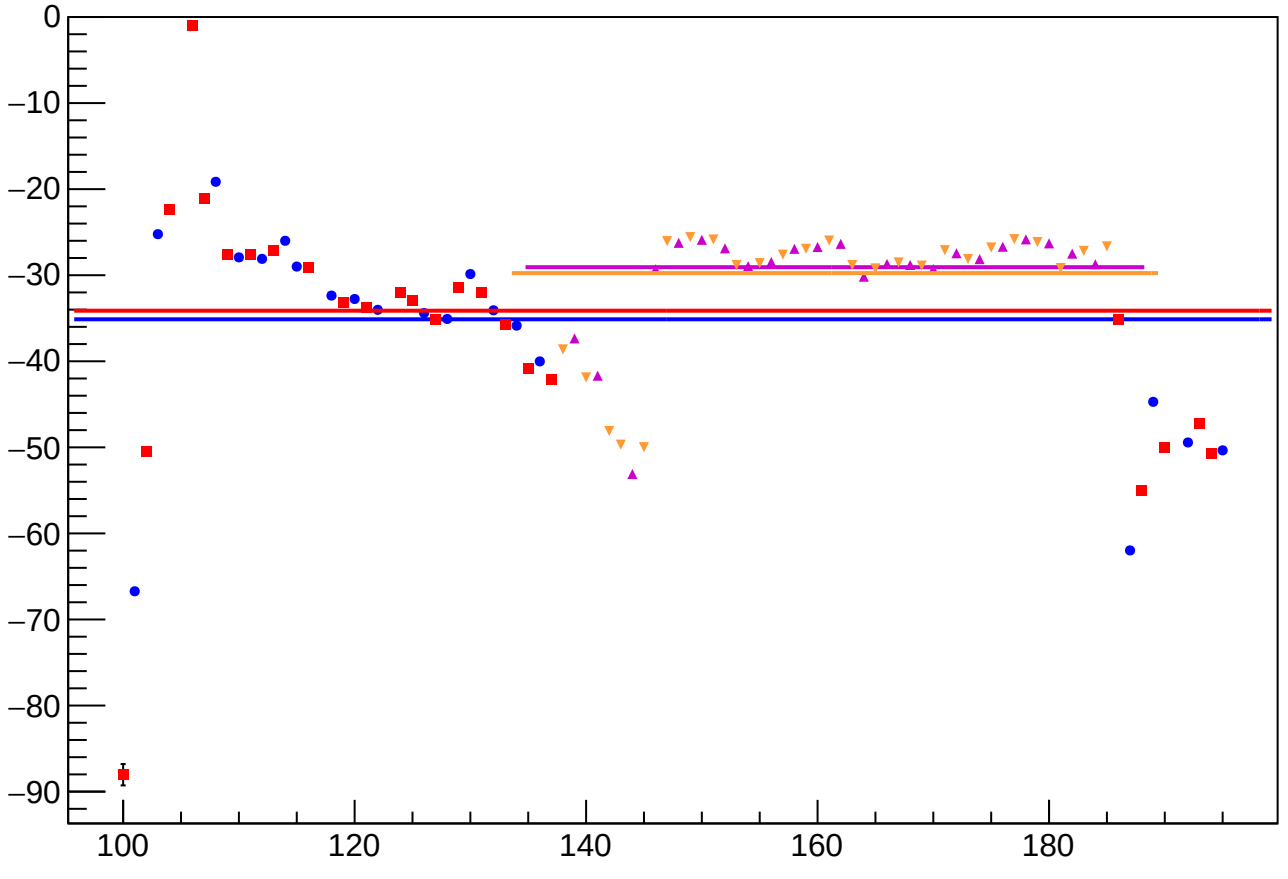
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -13.797+/-0.430 χ^2/NDF: 1011.8/43

In: -2.641+/-0.309 χ^2/NDF:1441.8/42

Out: -2.788+/-0.296 χ^2/NDF:1726.2/48

All: -2.718+/-0.214 χ^2/NDF: 3168.1/91



Right In: -35.122+/-0.035 χ^2/NDF: 83372.3/19

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -34.123+/-0.033 χ^2/NDF: 168625.9/23

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

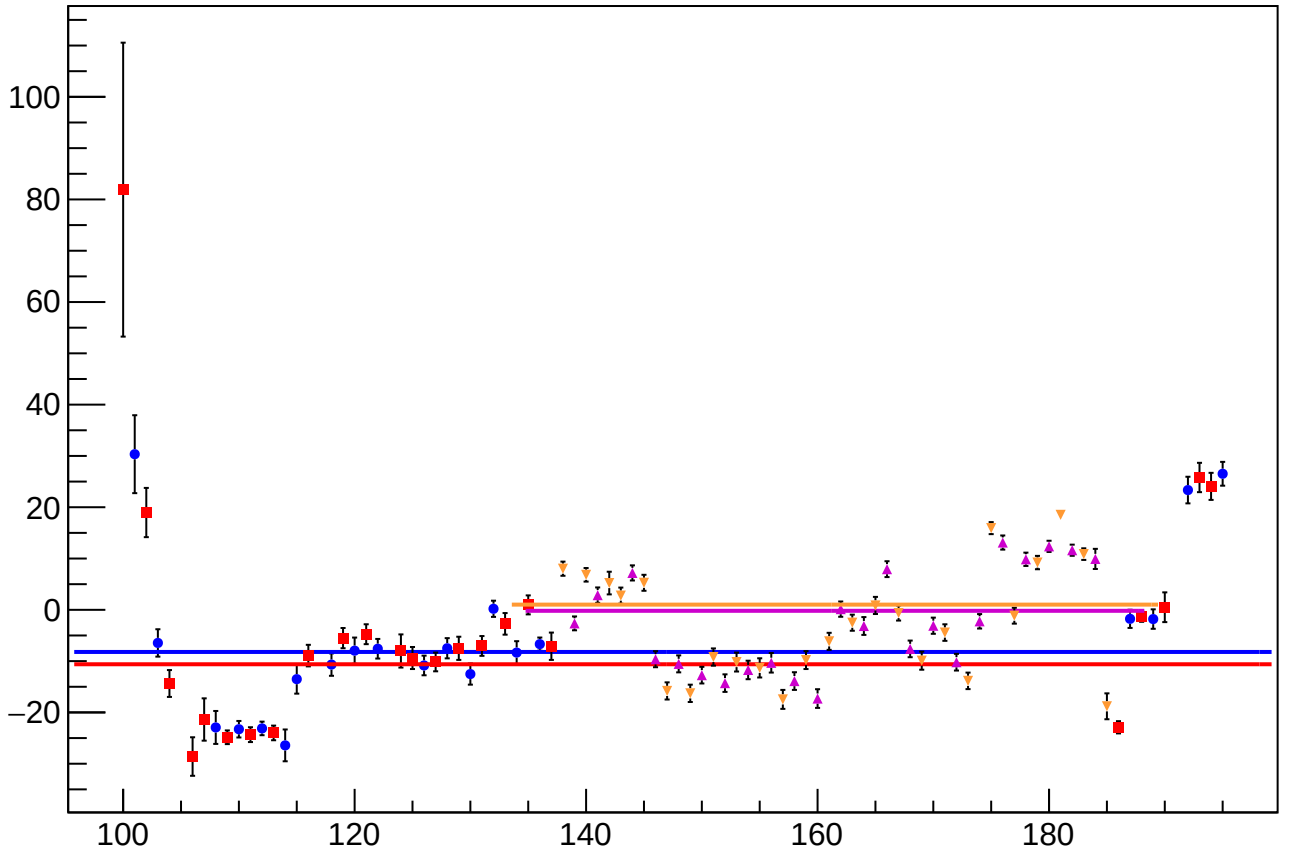
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -34.600+/-0.024 χ^2/NDF: 252432.8/43

In: -30.110+/-0.014 χ^2/NDF:210217.0/42

Out: -30.545+/-0.014 χ^2/NDF:346423.0/48

All: -30.331+/-0.010 χ^2/NDF: 557107.2/91



Right In: -8.212+/-0.448 χ^2/NDF: 733.9/19

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -10.611+/-0.396 χ^2/NDF: 989.1/23

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

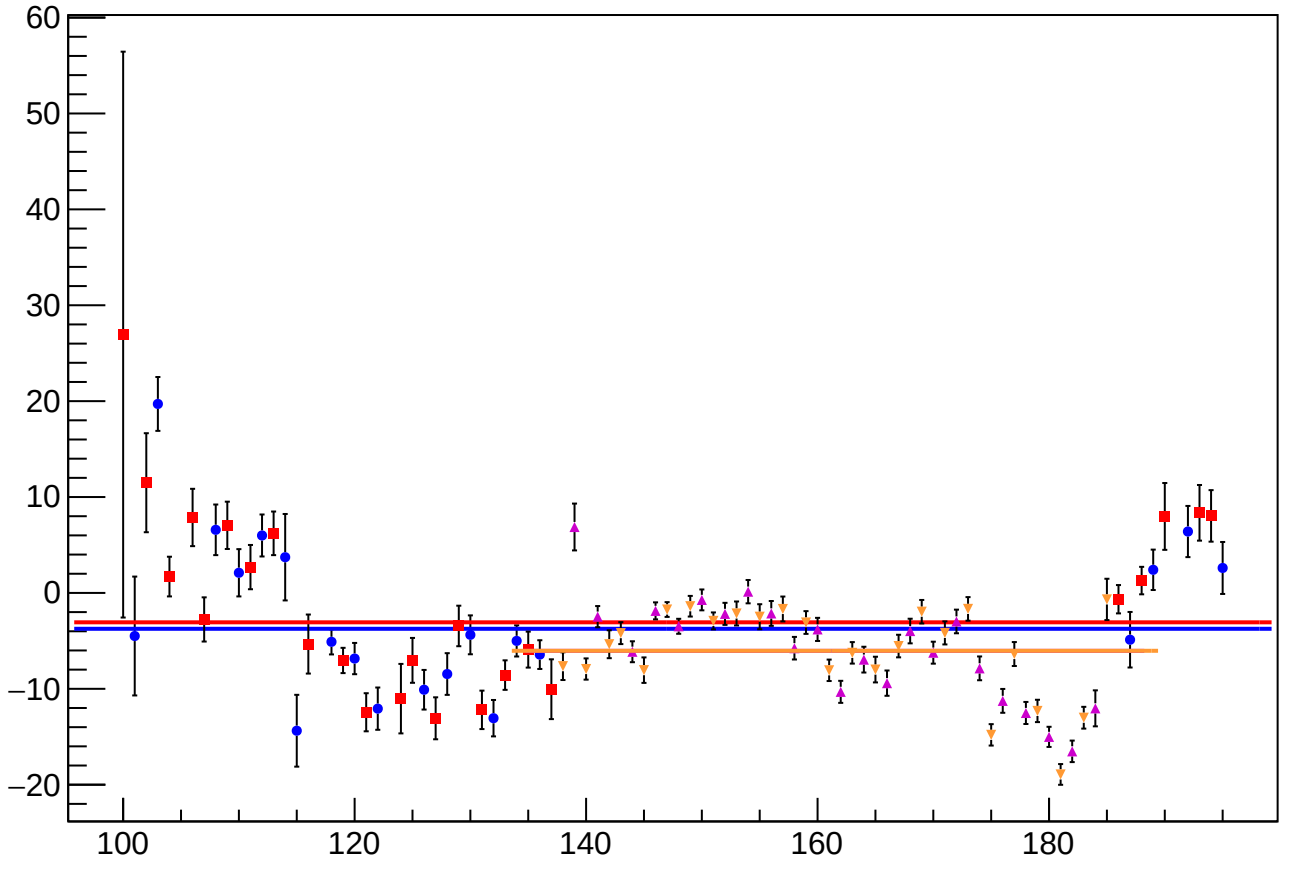
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -9.560+/-0.296 χ^2/NDF: 1739.1/43

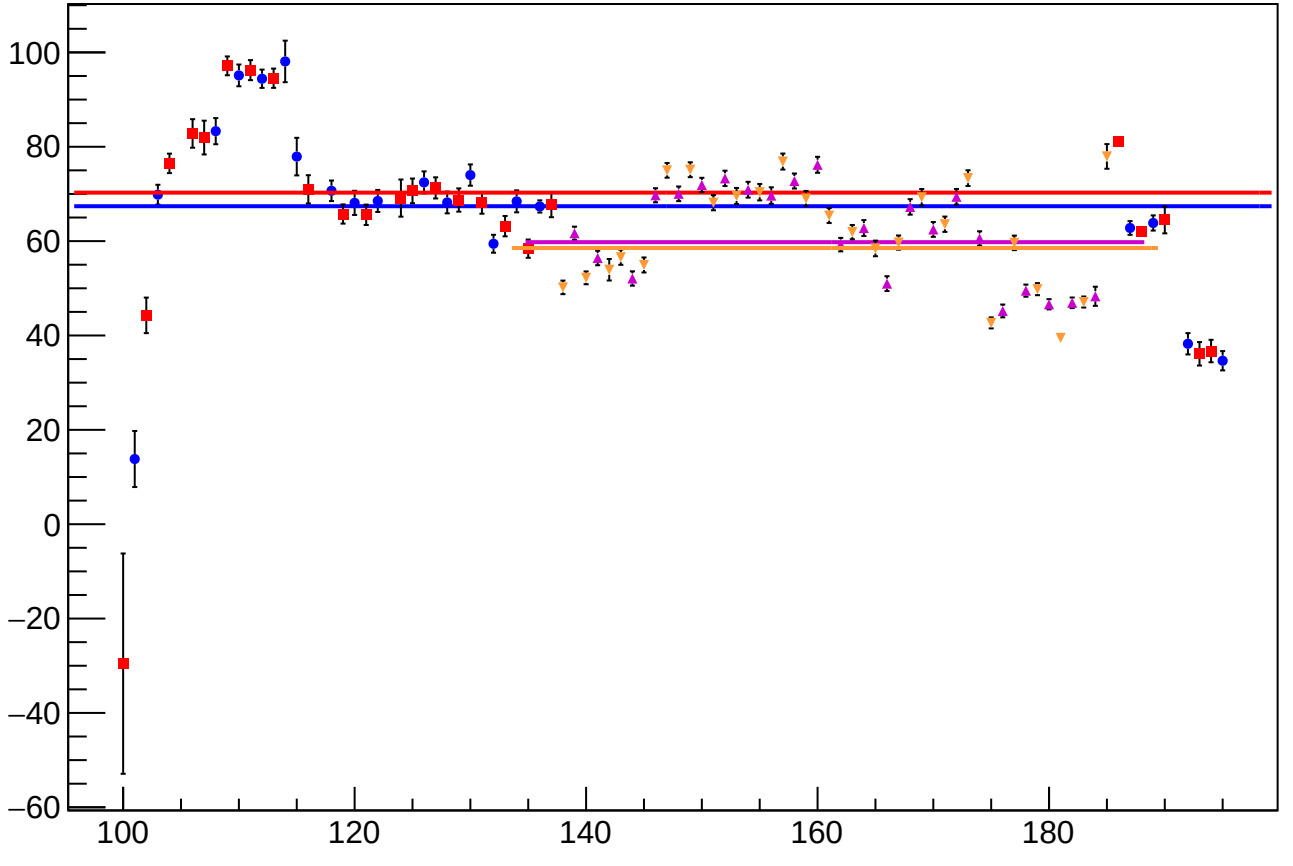
In: -2.841+/-0.257 χ^2/NDF:1931.4/42

Out: -3.316+/-0.241 χ^2/NDF:2866.4/48

All: -3.094+/-0.176 χ^2/NDF: 4799.6/91


reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
Right In: -3.741+/-0.479 χ²/NDF: 211.0/19
Left Out: -6.035+/-0.233 χ²/NDF:414.9/24
Right Out: -3.066+/-0.443 χ²/NDF: 223.3/23
Left In: -6.043+/-0.243 χ²/NDF:396.2/22
Left: -6.039+/-0.168 χ²/NDF: 811.1/47
Right: -3.377+/-0.325 χ²/NDF: 435.4/43
In: -5.572+/-0.217 χ²/NDF:625.6/42
Out: -5.391+/-0.206 χ²/NDF:673.4/48
All: -5.478+/-0.149 χ²/NDF: 1299.3/91

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 67.395+/-0.476 χ^2/NDF: 983.3/19

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 70.276+/-0.401 χ^2/NDF: 1252.5/23

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

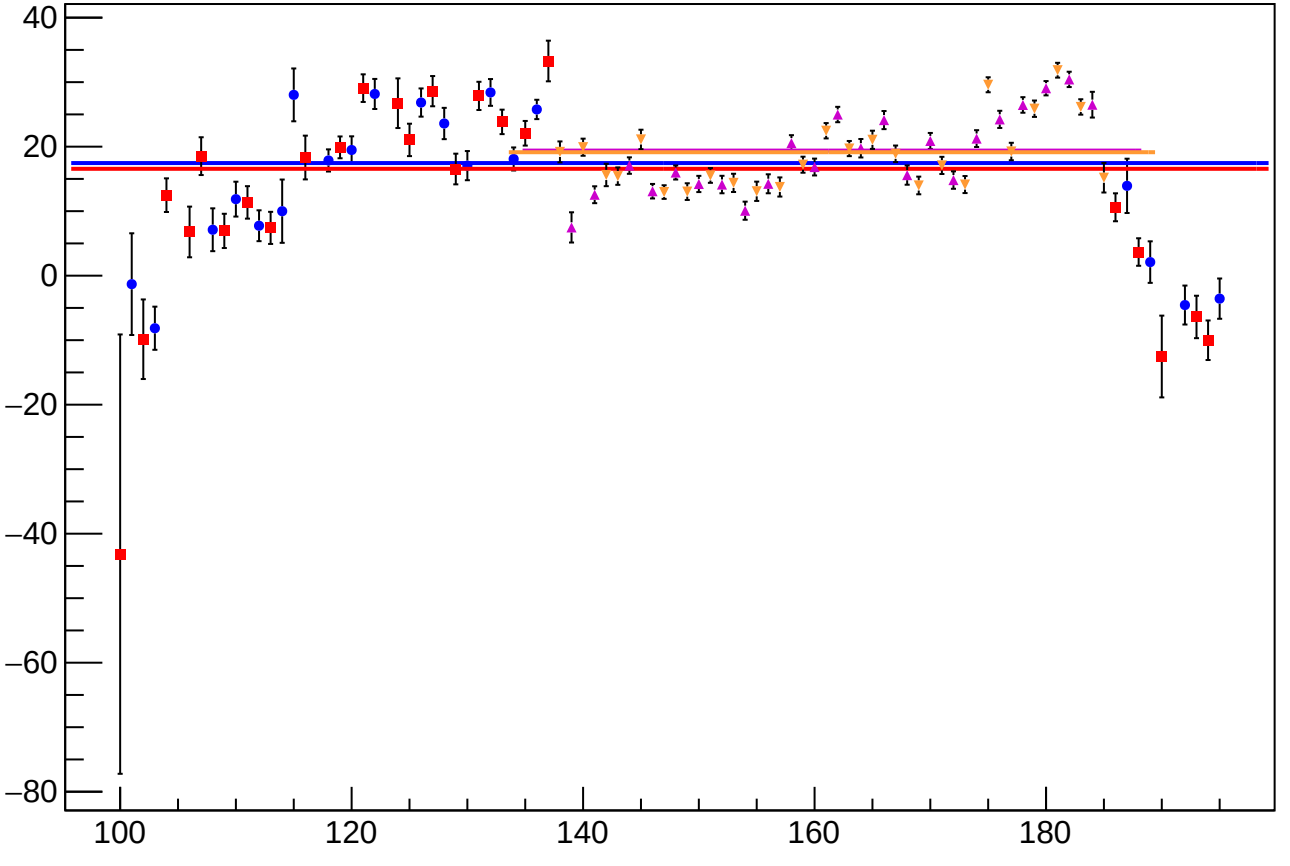
Right: 69.078+/-0.307 χ^2/NDF: 2257.3/43

In: 62.065+/-0.261 χ^2/NDF:2233.3/42

Out: 62.798+/-0.242 χ^2/NDF:3247.2/48

All: 62.459+/-0.177 χ^2/NDF: 5484.8/91

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 17.457+/-0.552 χ^2/NDF: 331.2/19

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 16.567+/-0.529 χ^2/NDF: 403.3/23

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

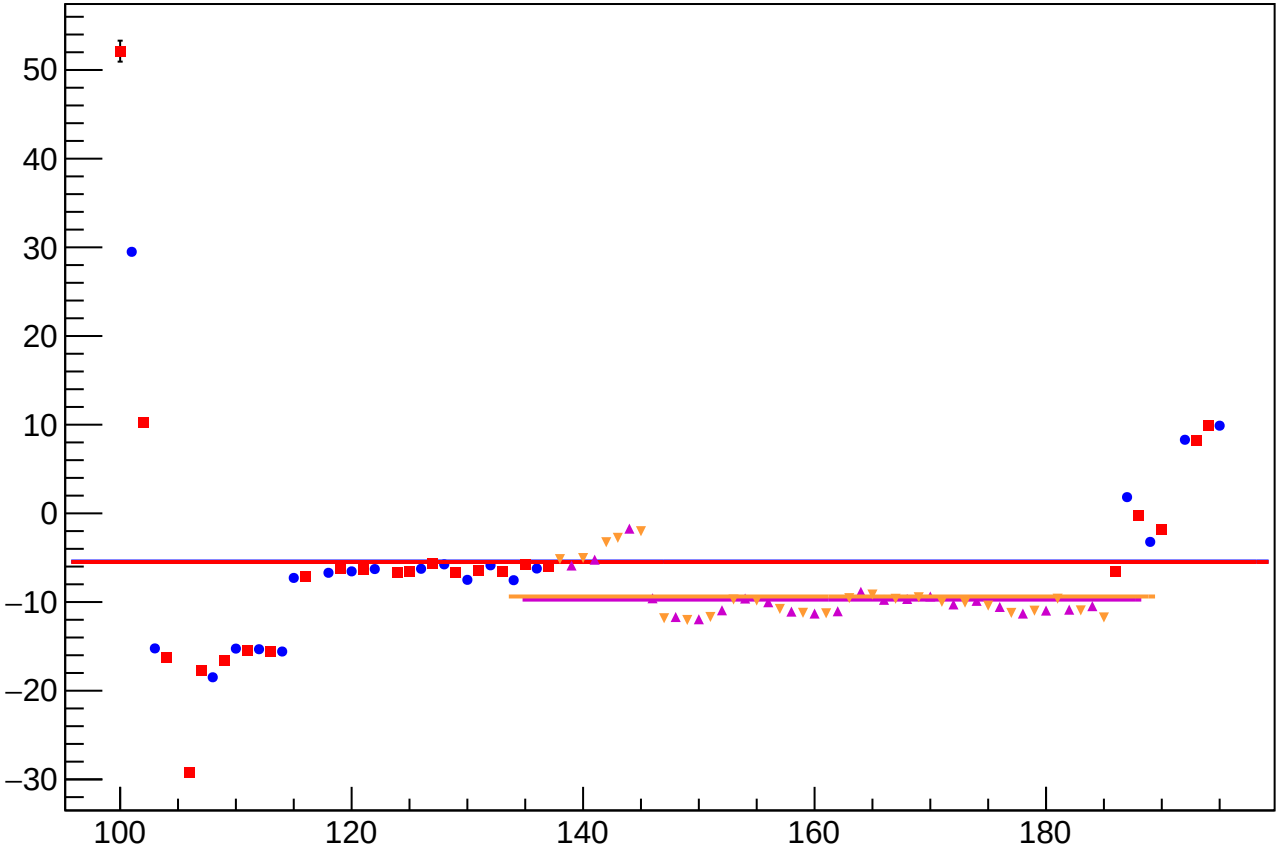
Right: 16.993+/-0.382 χ^2/NDF: 735.9/43

In: 19.008+/-0.245 χ^2/NDF:808.8/42

Out: 18.625+/-0.236 χ^2/NDF:855.9/48

All: 18.810+/-0.170 χ^2/NDF: 1666.0/91

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -5.432+/-0.029 χ^2/NDF: 93627.4/19

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -5.486+/-0.029 χ^2/NDF: 120681.1/23

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

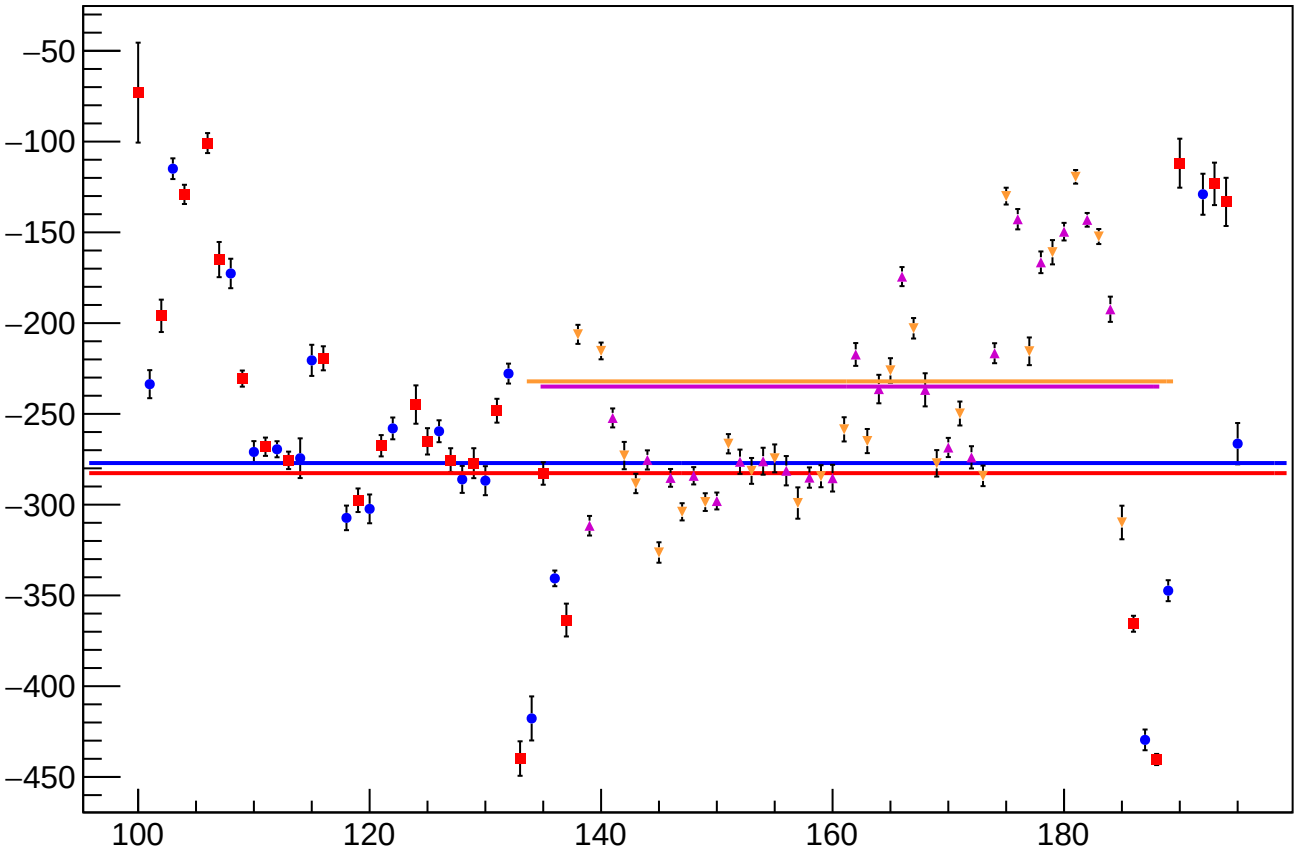
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -5.459+/-0.020 χ^2/NDF: 214310.3/43

In: -9.073+/-0.011 χ^2/NDF:144688.4/42

Out: -8.804+/-0.011 χ^2/NDF:186320.1/48

All: -8.937+/-0.008 χ^2/NDF: 331302.9/91



Right In: -277.082+/-1.474 χ^2/NDF: 2568.8/19

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -282.640+/-1.273 χ^2/NDF: 6357.8/23

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

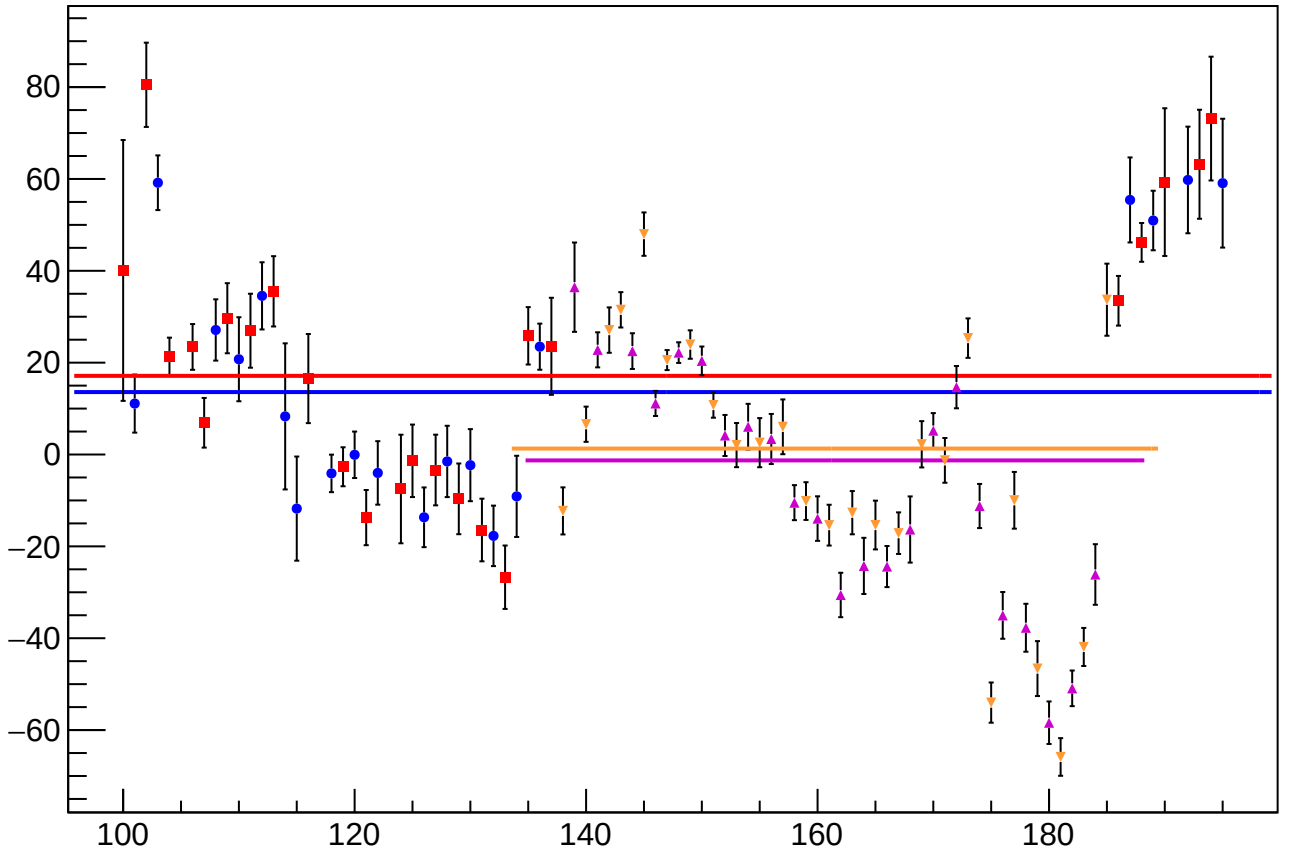
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -280.266+/-0.963 χ^2/NDF: 8934.7/43

In: -251.332+/-0.919 χ^2/NDF:5538.3/42

Out: -254.661+/-0.850 χ^2/NDF:10500.9/48

All: -253.126+/-0.624 χ^2/NDF: 16046.3/91



Right In: 13.596+/-1.547 χ^2/NDF: 248.0/19

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 17.127+/-1.375 χ^2/NDF: 304.3/23

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

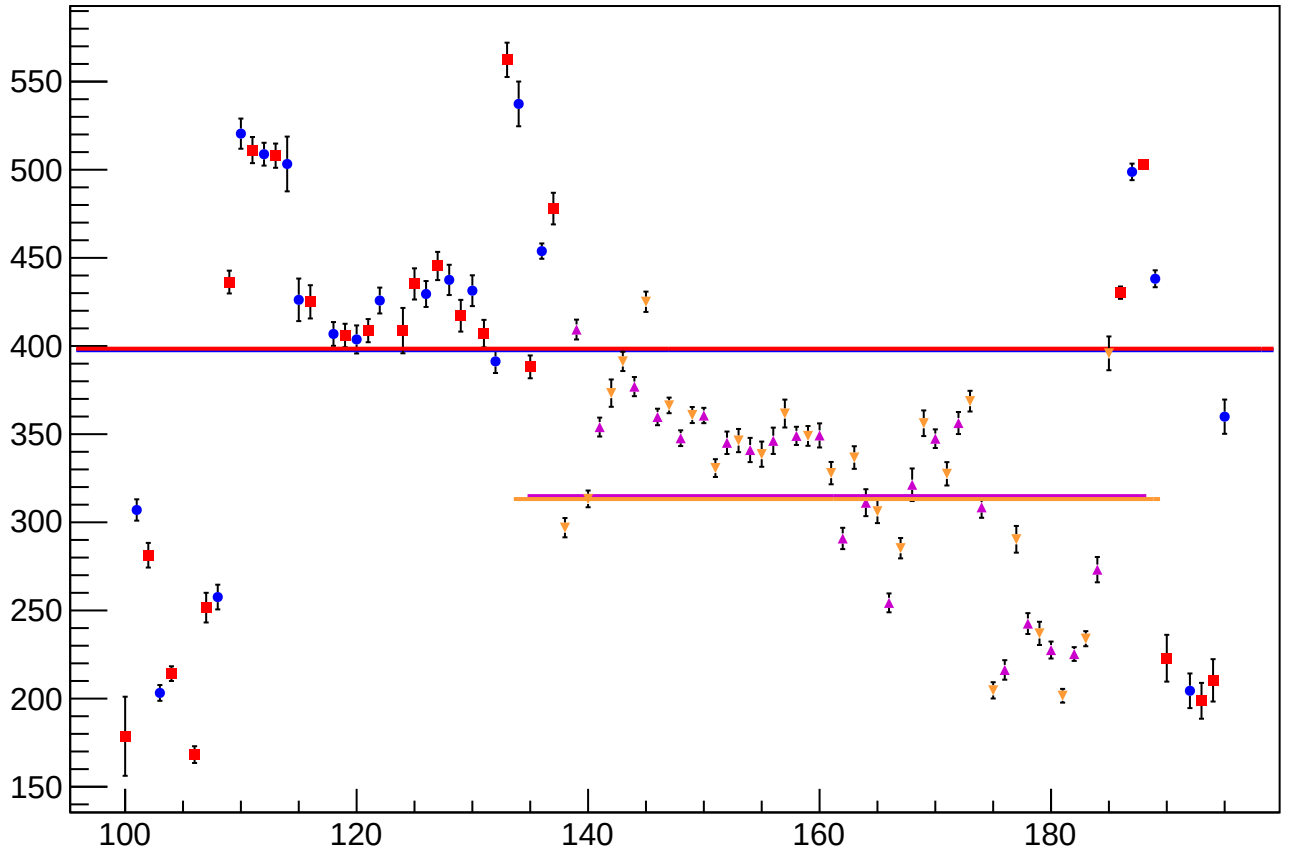
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

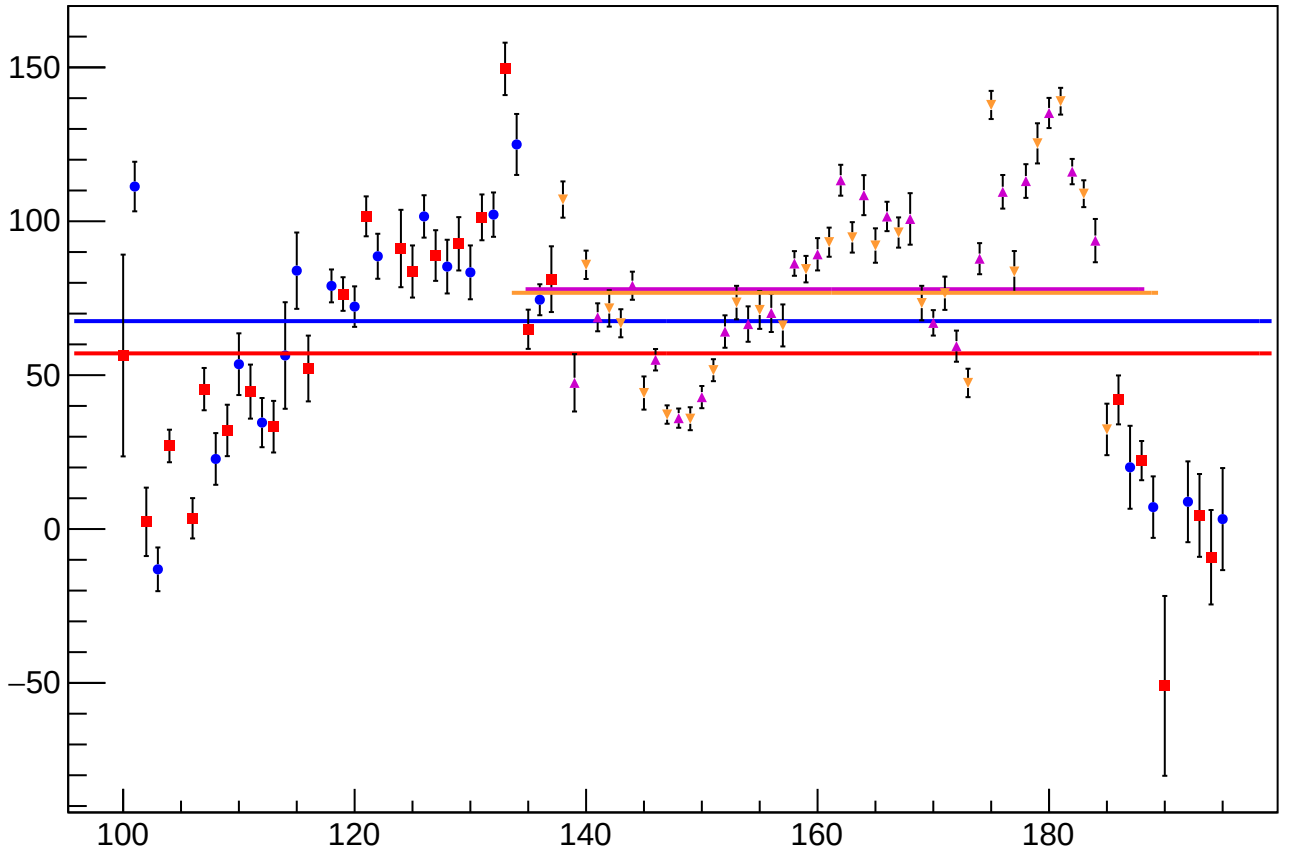
Right: 15.568+/-1.028 χ^2/NDF: 555.2/43

In: 2.288+/-0.758 χ^2/NDF:1129.5/42

Out: 5.576+/-0.715 χ^2/NDF:1450.5/48

All: 4.027+/-0.520 χ^2/NDF: 2590.0/91


reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
550
500
450
400
350
300
250
200
150
100
120
140
160
180
Right In: 397.619+/-1.509 χ²/NDF: 4359.6/19
Left Out: 313.197+/-1.134 χ²/NDF:3135.7/24
Right Out: 398.490+/-1.252 χ²/NDF: 8612.2/23
Left In: 314.864+/-1.161 χ²/NDF:2429.0/22
Left: 314.010+/-0.811 χ²/NDF: 5565.8/47
Right: 398.135+/-0.963 χ²/NDF: 12971.9/43
In: 345.657+/-0.920 χ²/NDF:8678.0/42
Out: 351.630+/-0.841 χ²/NDF:14297.2/48
All: 348.914+/-0.621 χ²/NDF: 22998.2/91



Right In: 67.555+/-1.817 χ^2/NDF: 395.8/19

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 57.076+/-1.662 χ^2/NDF: 495.2/23

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

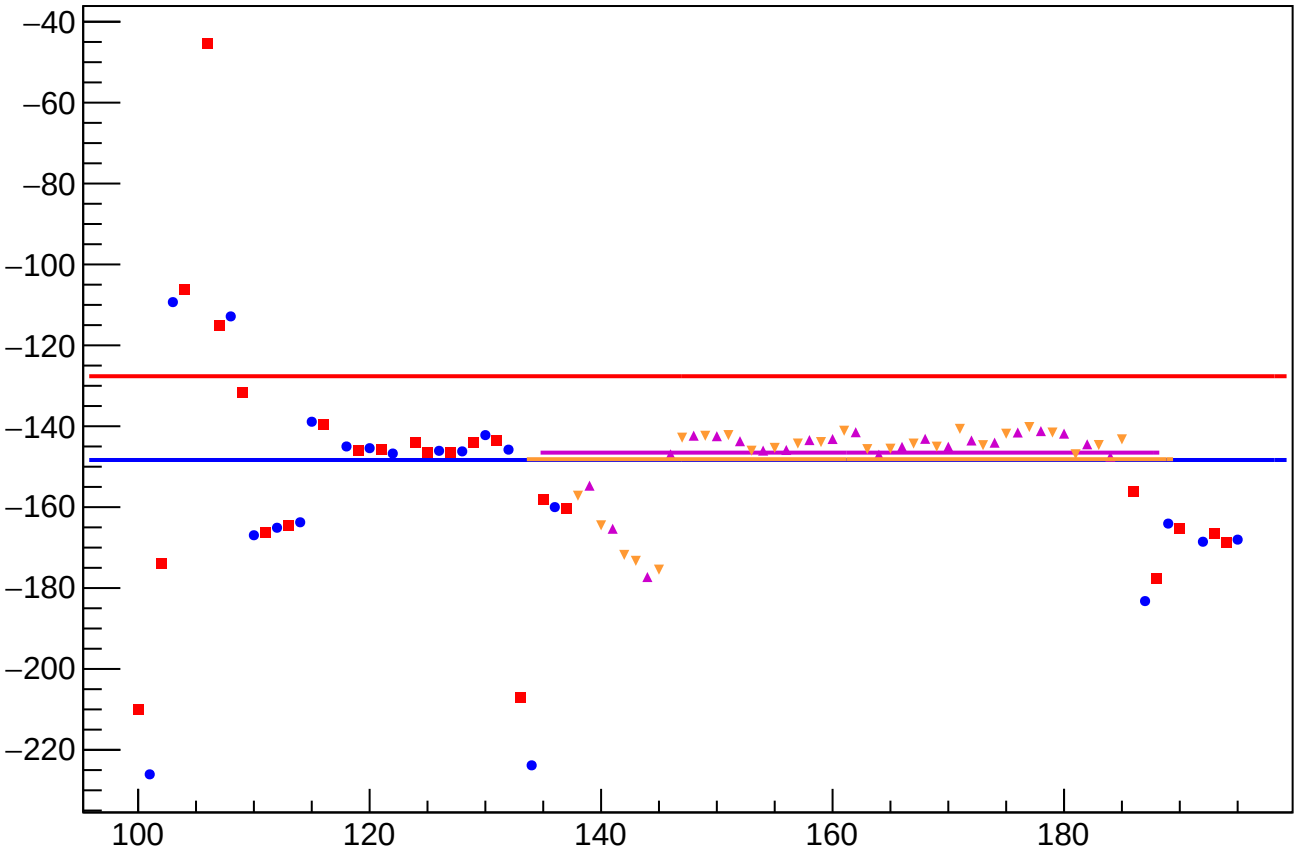
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 61.850+/-1.227 χ^2/NDF: 909.1/43

In: 75.525+/-0.874 χ^2/NDF:1204.7/42

Out: 71.784+/-0.836 χ^2/NDF:1635.3/48

All: 73.571+/-0.604 χ^2/NDF: 2849.5/91



Right In: -148.342+/-0.092 χ^2/NDF: 140075.4/19

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -127.634+/-0.082 χ^2/NDF: 319728.9/23

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

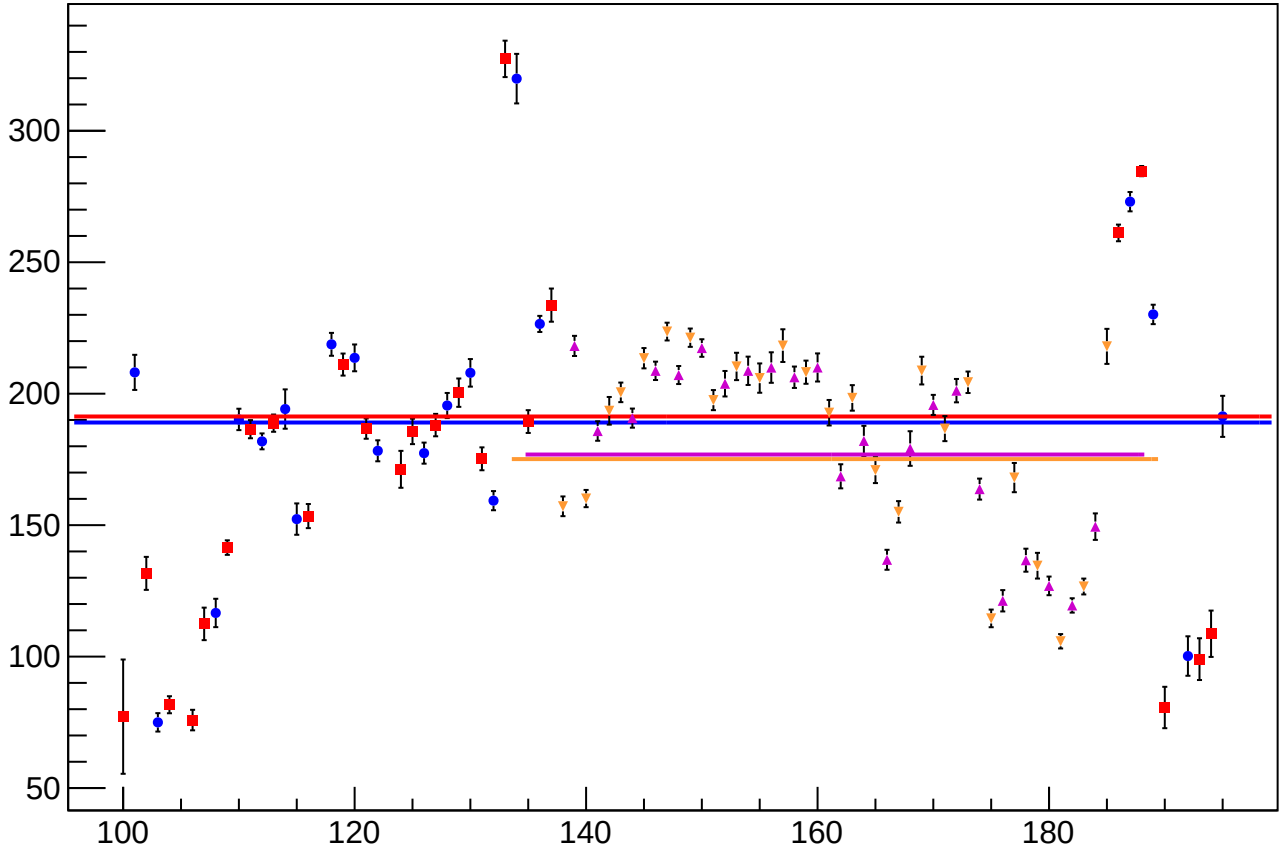
Right: -136.814+/-0.061 χ^2/NDF: 488220.7/43

In: -146.883+/-0.041 χ^2/NDF:169563.7/42

Out: -143.367+/-0.039 χ^2/NDF:416885.9/48

All: -145.068+/-0.028 χ^2/NDF: 590285.6/91

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.038+/-0.988 χ^2/NDF: 2589.1/19

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 191.329+/-0.842 χ^2/NDF: 6410.6/23

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

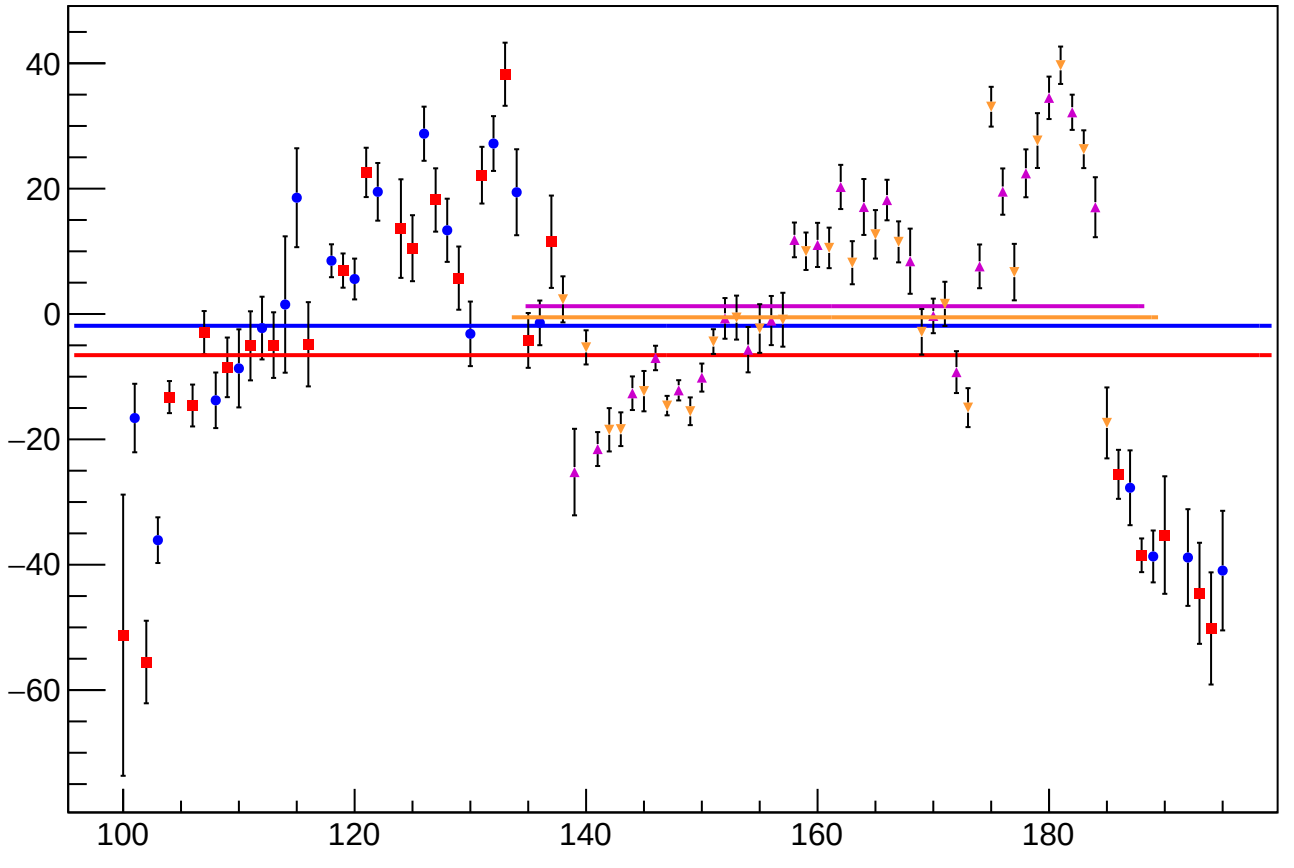
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 190.364+/-0.641 χ^2/NDF: 9002.8/43

In: 182.022+/-0.643 χ^2/NDF:4432.8/42

Out: 183.031+/-0.588 χ^2/NDF:8895.3/48

All: 182.571+/-0.434 χ^2/NDF: 13329.5/91



Right In: -1.882+/-1.035 χ^2/NDF: 403.9/19

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -6.566+/-0.906 χ^2/NDF: 545.7/23

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

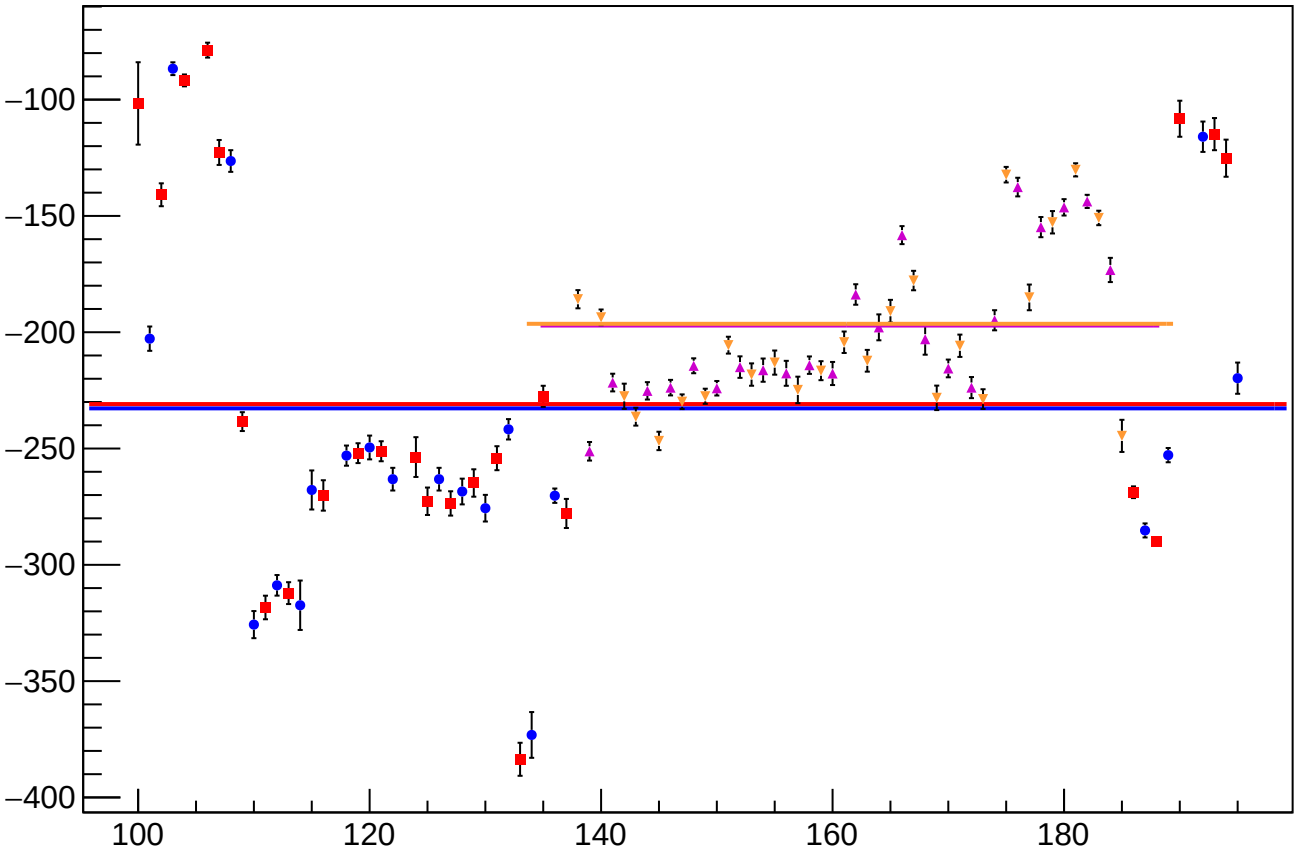
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -4.534+/-0.682 χ^2/NDF: 961.1/43

In: 0.408+/-0.535 χ^2/NDF:1031.1/42

Out: -2.369+/-0.501 χ^2/NDF:1301.0/48

All: -1.074+/-0.366 χ^2/NDF: 2346.5/91



Right In: -232.735+/-1.007 χ^2/NDF: 5240.3/19

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -230.884+/-0.825 χ^2/NDF: 9759.1/23

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

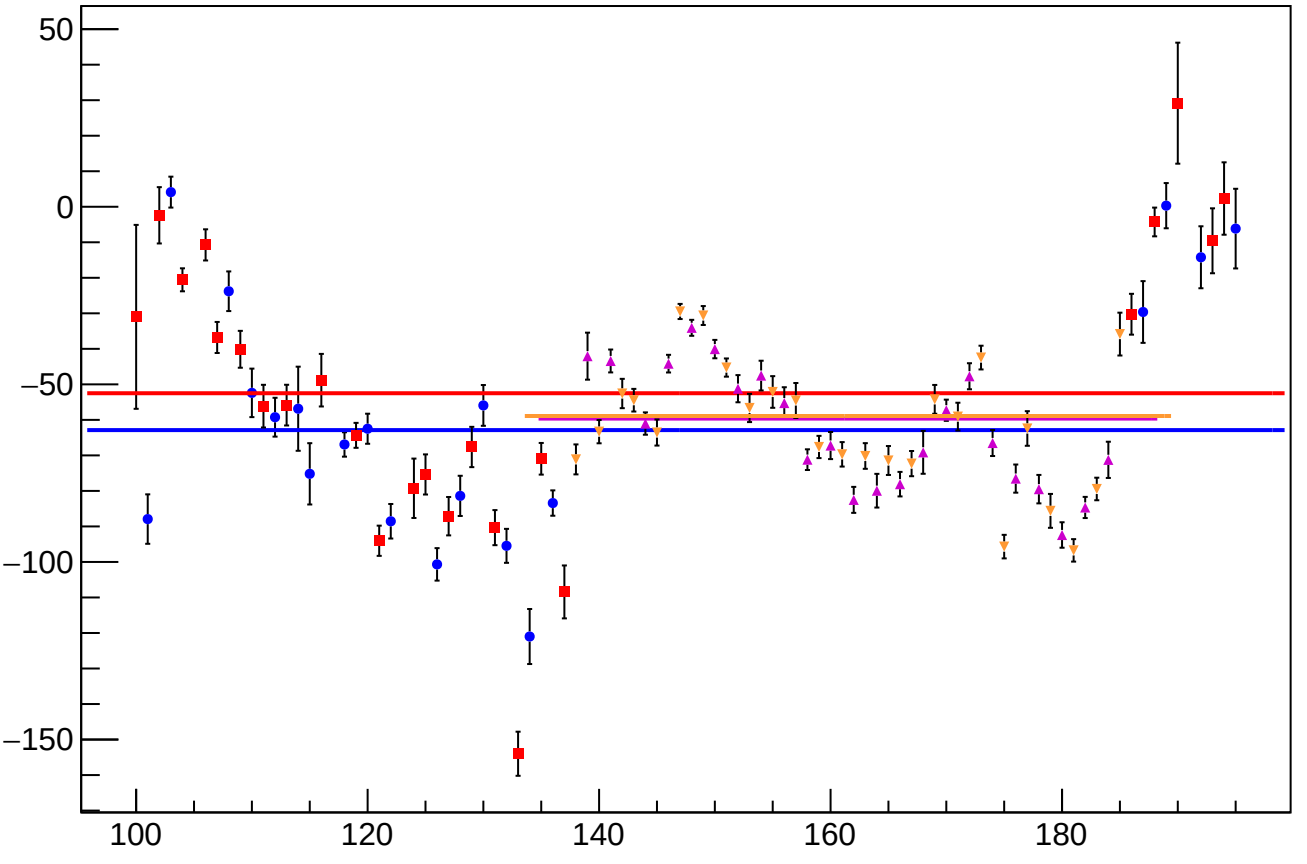
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -231.627+/-0.638 χ^2/NDF: 15001.4/43

In: -211.668+/-0.644 χ^2/NDF:7581.1/42

Out: -213.445+/-0.580 χ^2/NDF:12641.7/48

All: -212.649+/-0.431 χ^2/NDF: 20227.0/91



Right In: -62.879+/-1.221 χ^2/NDF: 719.5/19

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -52.498+/-1.098 χ^2/NDF: 1060.1/23

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

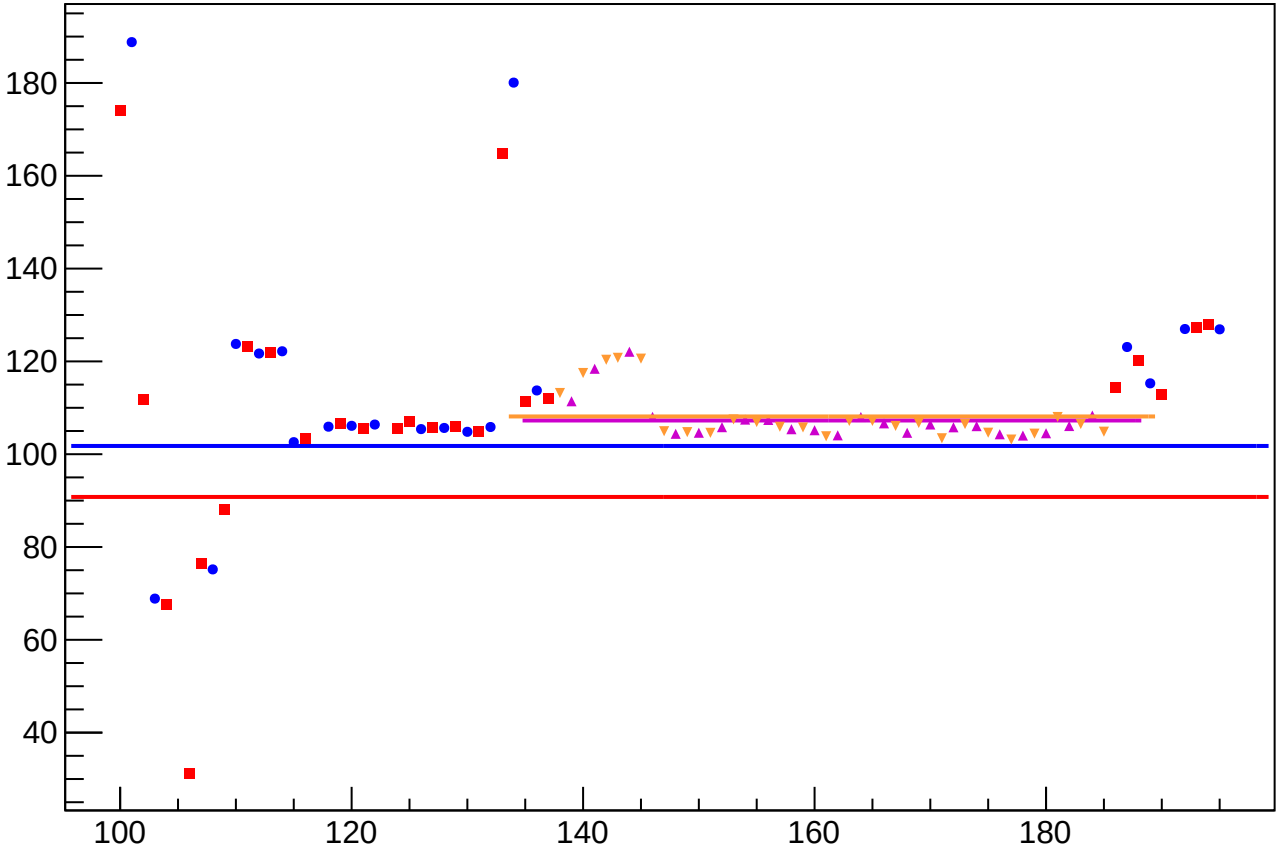
Right: -57.140+/-0.816 χ^2/NDF: 1819.6/43

In: -60.471+/-0.619 χ^2/NDF:1321.8/42

Out: -57.076+/-0.587 χ^2/NDF:1866.9/48

All: -58.684+/-0.426 χ^2/NDF: 3204.6/91

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 101.777+/-0.061 χ^2/NDF: 248632.5/19

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 90.789+/-0.055 χ^2/NDF: 335035.9/23

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

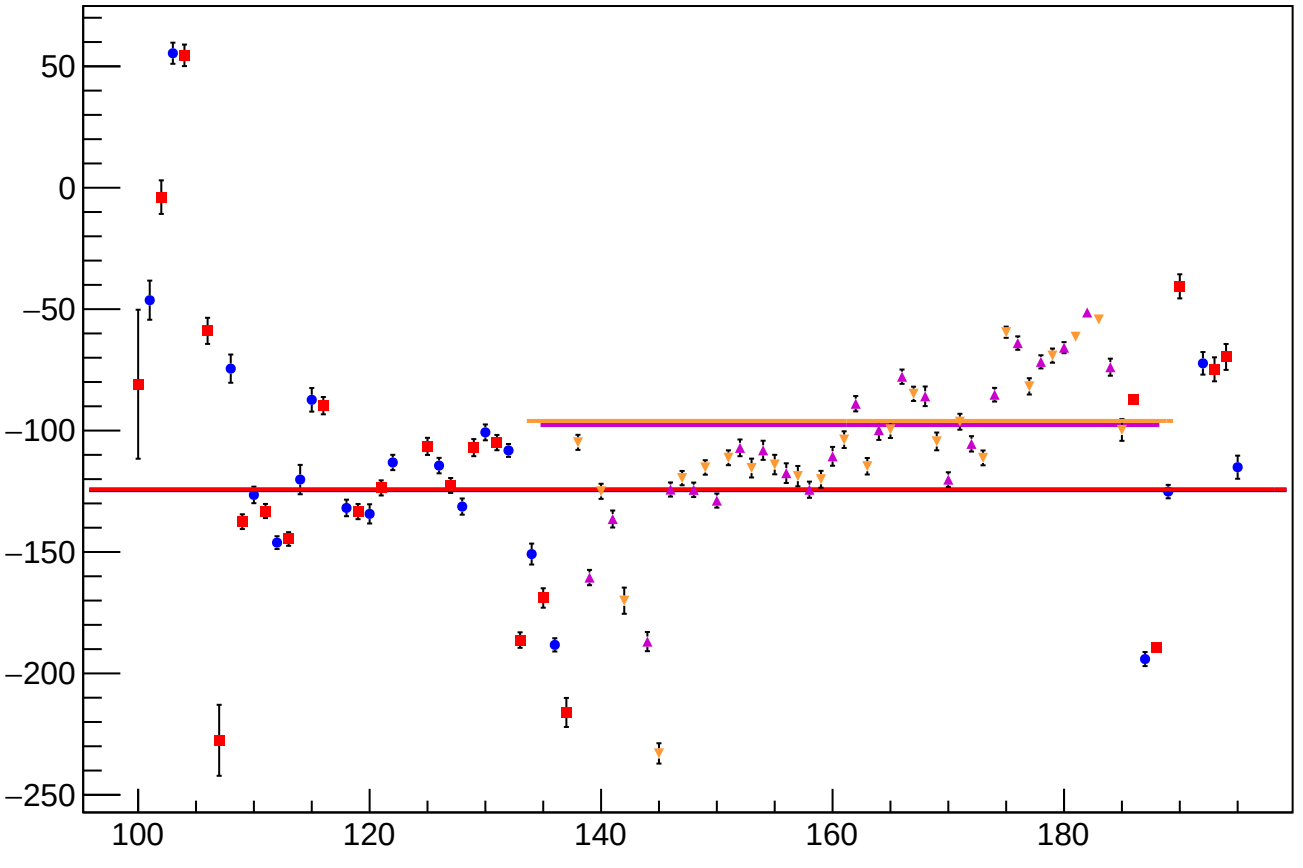
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 95.726+/-0.041 χ^2/NDF: 601354.6/43

In: 106.043+/-0.029 χ^2/NDF:271739.3/42

Out: 103.702+/-0.028 χ^2/NDF:434489.4/48

All: 104.833+/-0.020 χ^2/NDF: 709607.7/91



Right In: -124.548+/-0.791 χ^2/NDF: 3421.0/19

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -124.156+/-0.680 χ^2/NDF: 5721.4/22

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

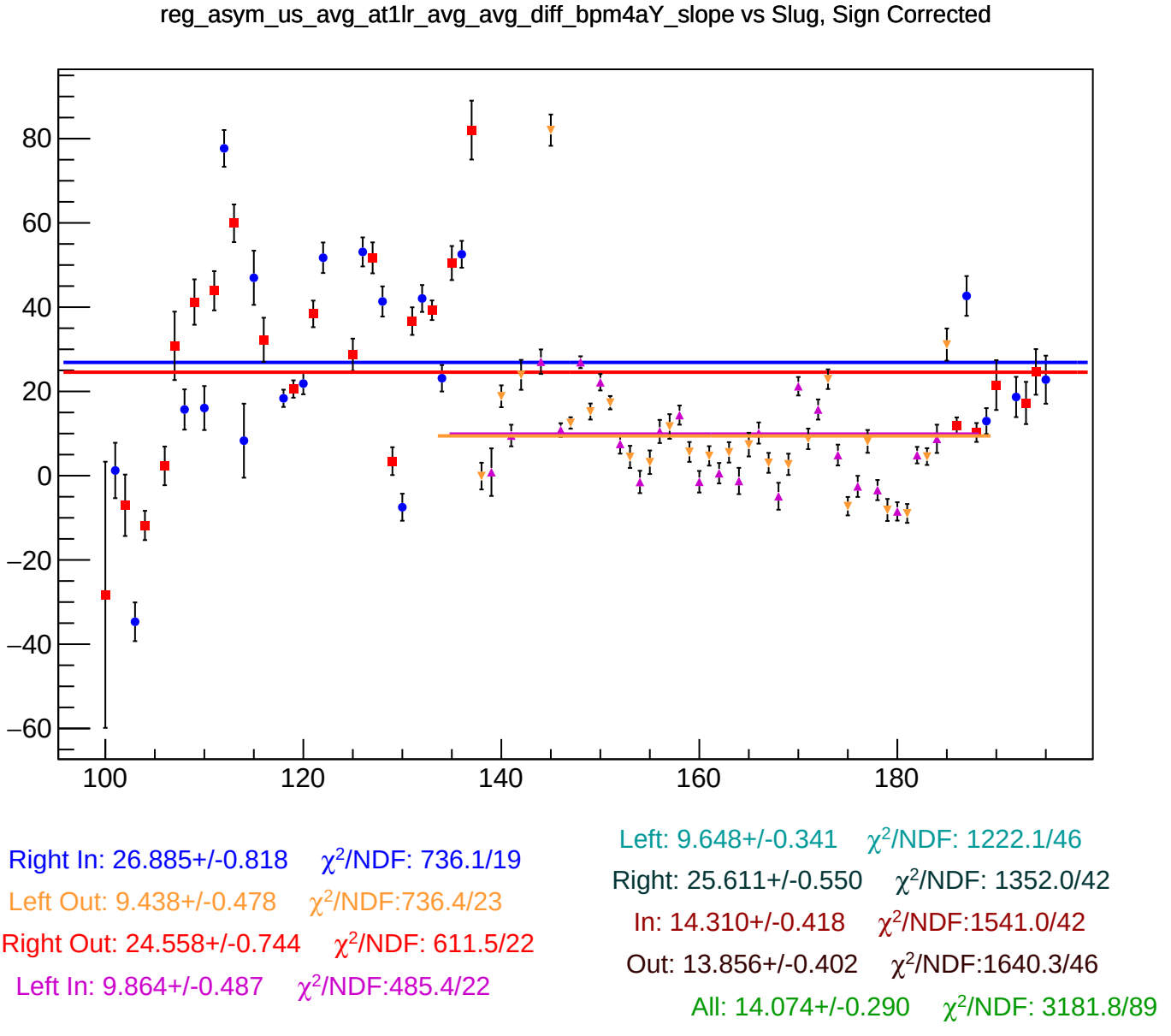
Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

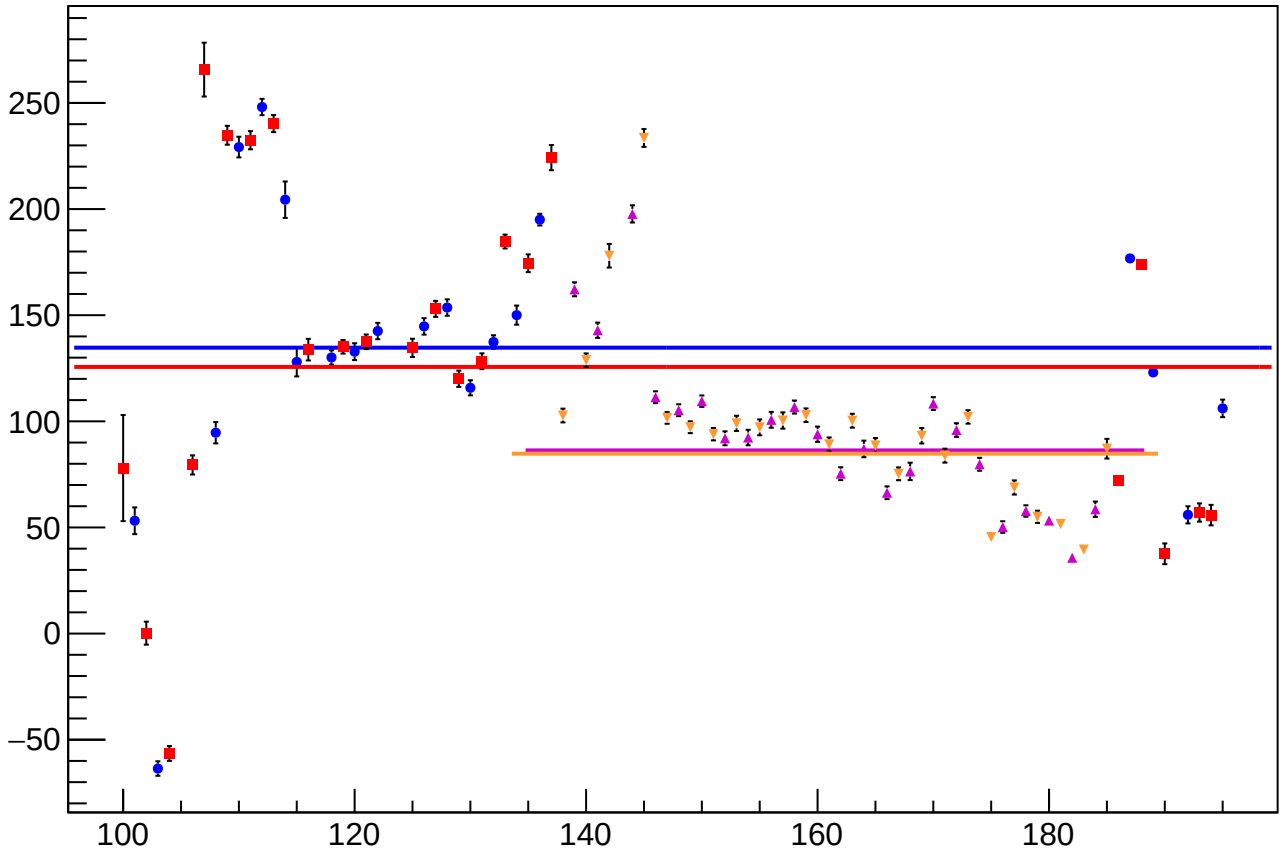
Right: -124.323+/-0.515 χ^2/NDF: 9142.6/42

In: -108.309+/-0.497 χ^2/NDF:6759.2/42

Out: -109.135+/-0.464 χ^2/NDF:9407.3/46

All: -108.750+/-0.339 χ^2/NDF: 16167.9/89


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
Right In: 26.885+/-0.818 χ²/NDF: 736.1/19
Left Out: 9.438+/-0.478 χ²/NDF:736.4/23
Right Out: 24.558+/-0.744 χ²/NDF: 611.5/22
Left In: 9.864+/-0.487 χ²/NDF:485.4/22
Left: 9.648+/-0.341 χ²/NDF: 1222.1/46
Right: 25.611+/-0.550 χ²/NDF: 1352.0/42
In: 14.310+/-0.418 χ²/NDF:1541.0/42
Out: 13.856+/-0.402 χ²/NDF:1640.3/46
All: 14.074+/-0.290 χ²/NDF: 3181.8/89



Right In: 134.701+/-0.822 χ^2/NDF: 6228.9/19

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 125.633+/-0.660 χ^2/NDF: 10110.9/22

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

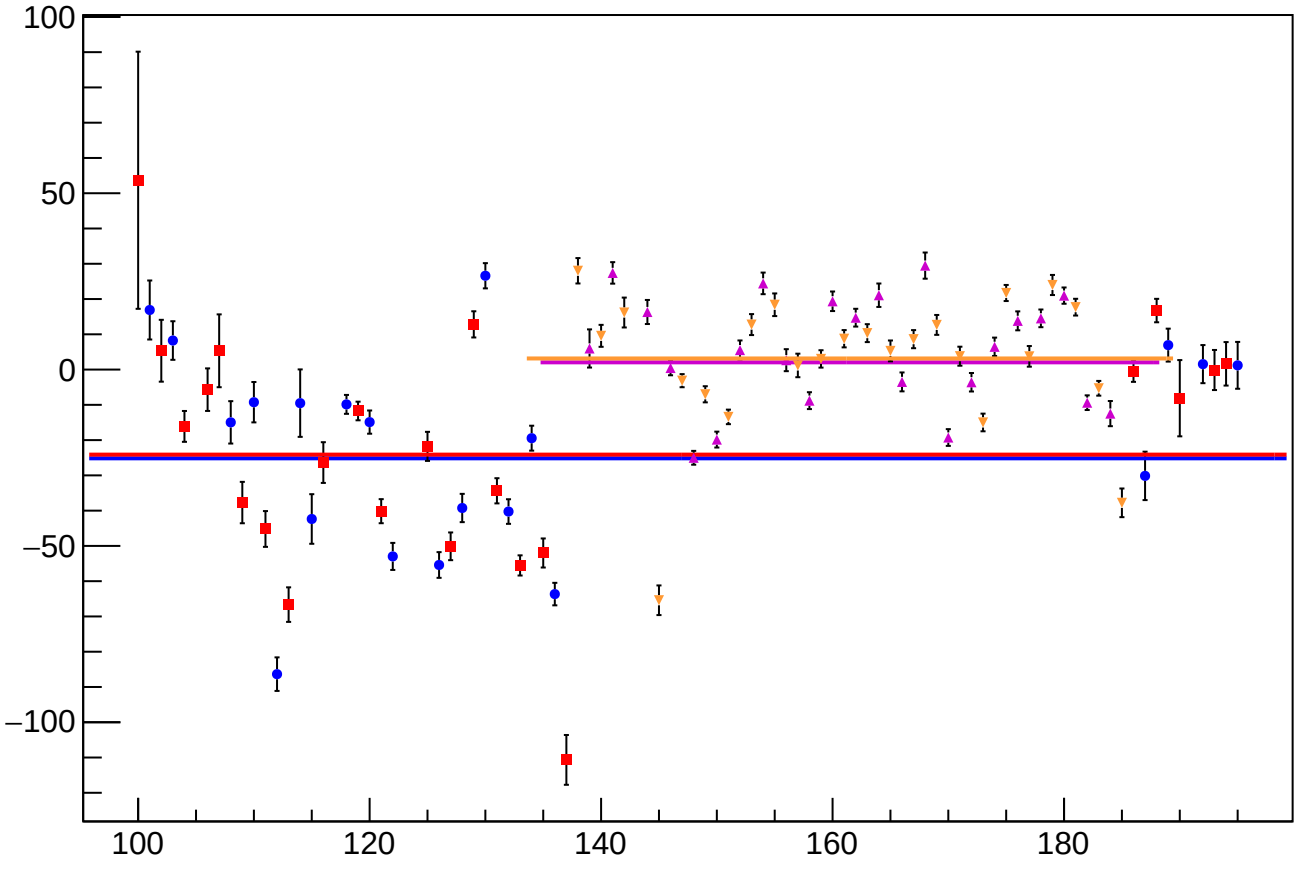
Right: 129.185+/-0.515 χ^2/NDF: 16413.9/42

In: 104.272+/-0.501 χ^2/NDF:11560.7/42

Out: 104.226+/-0.455 χ^2/NDF:15231.7/46

All: 104.247+/-0.337 χ^2/NDF: 26792.4/89

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -25.166+/-0.962 χ^2/NDF: 887.9/19

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -24.116+/-0.907 χ^2/NDF: 897.9/22

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

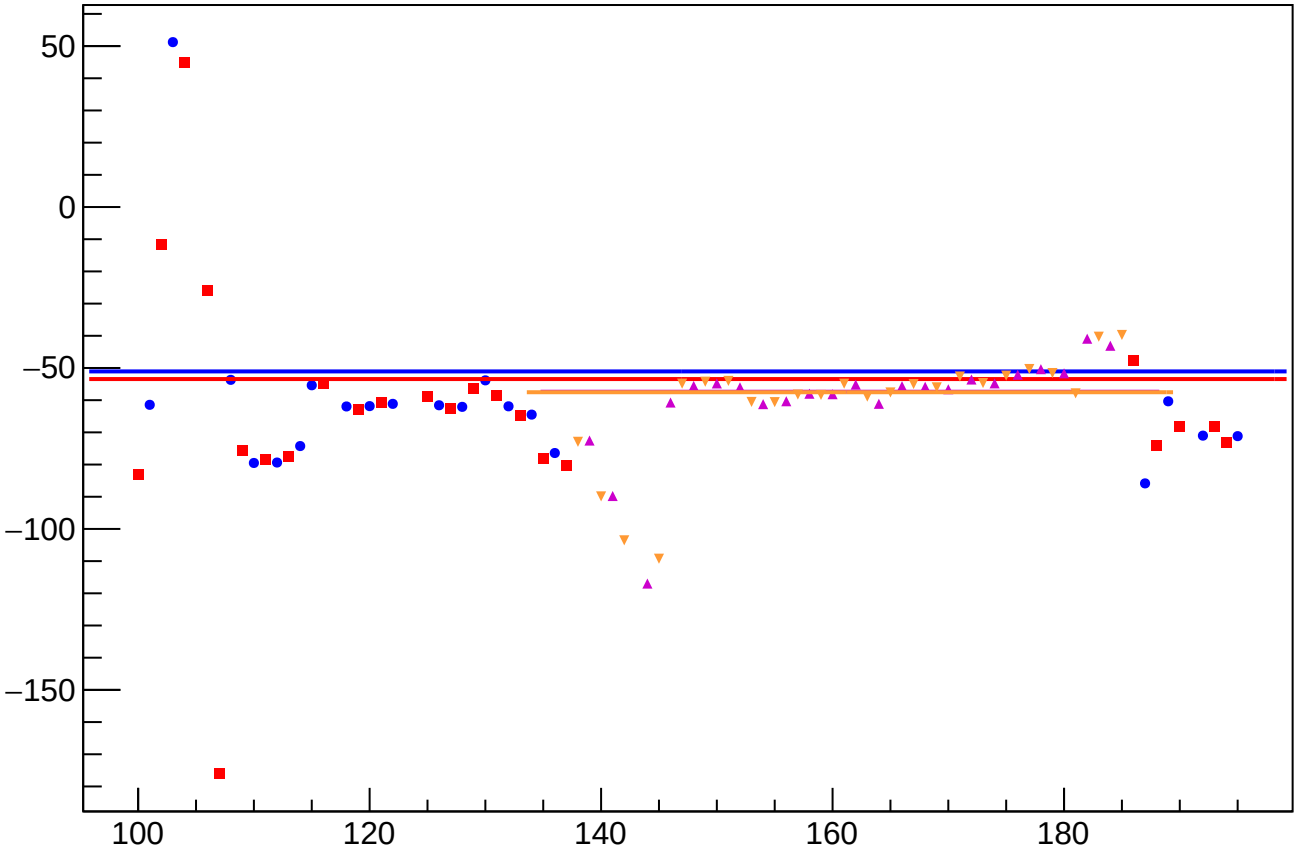
Right: -24.610+/-0.660 χ^2/NDF: 1786.4/42

In: -4.675+/-0.478 χ^2/NDF:2341.5/42

Out: -4.059+/-0.466 χ^2/NDF:2376.7/46

All: -4.360+/-0.334 χ^2/NDF: 4719.1/89

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -51.063+/-0.052 χ^2/NDF: 619041.6/19

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -53.440+/-0.051 χ^2/NDF: 544224.6/22

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

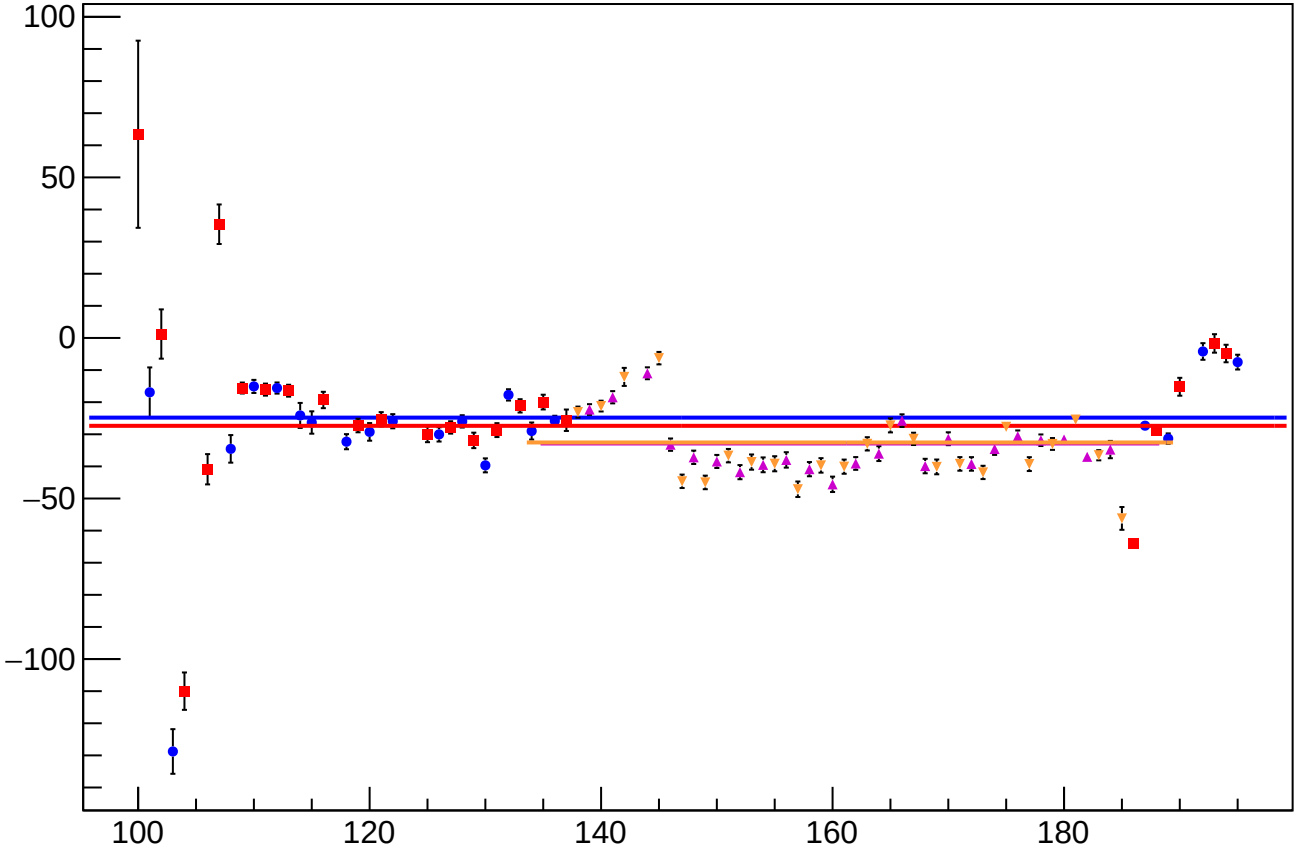
Right: -52.281+/-0.036 χ^2/NDF: 1164328.6/42

In: -56.217+/-0.022 χ^2/NDF:858122.8/42

Out: -56.750+/-0.022 χ^2/NDF:816477.5/46

All: -56.485+/-0.016 χ^2/NDF: 1674884.4/89

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.810+/-0.495 χ^2/NDF: 504.2/19

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -27.365+/-0.437 χ^2/NDF: 1328.3/22

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

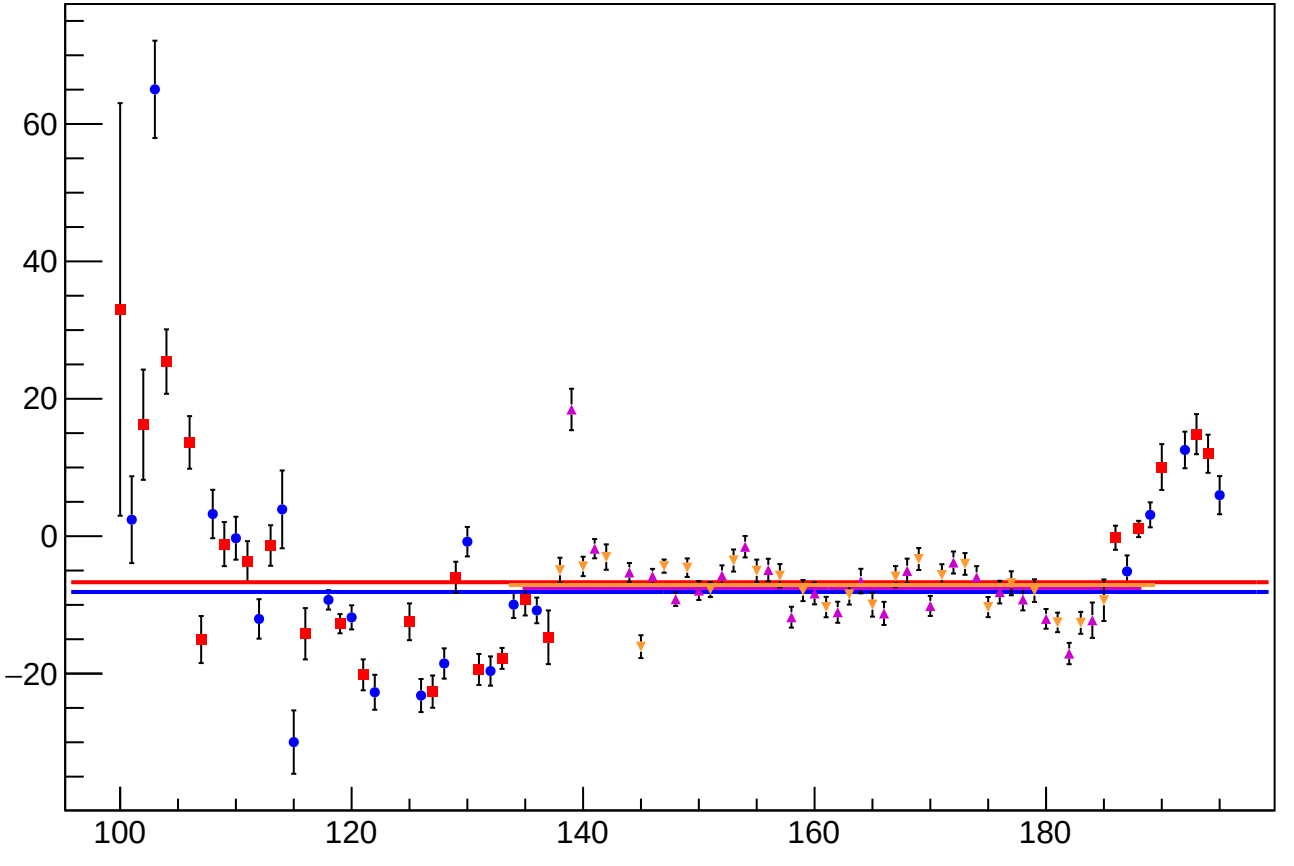
Right: -26.246+/-0.328 χ^2/NDF: 1847.4/42

In: -29.578+/-0.316 χ^2/NDF:1034.0/42

Out: -30.146+/-0.298 χ^2/NDF:2007.2/46

All: -29.879+/-0.217 χ^2/NDF: 3043.0/89

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.118+/-0.532 χ^2/NDF: 424.1/19

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -6.703+/-0.495 χ^2/NDF: 479.0/22

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

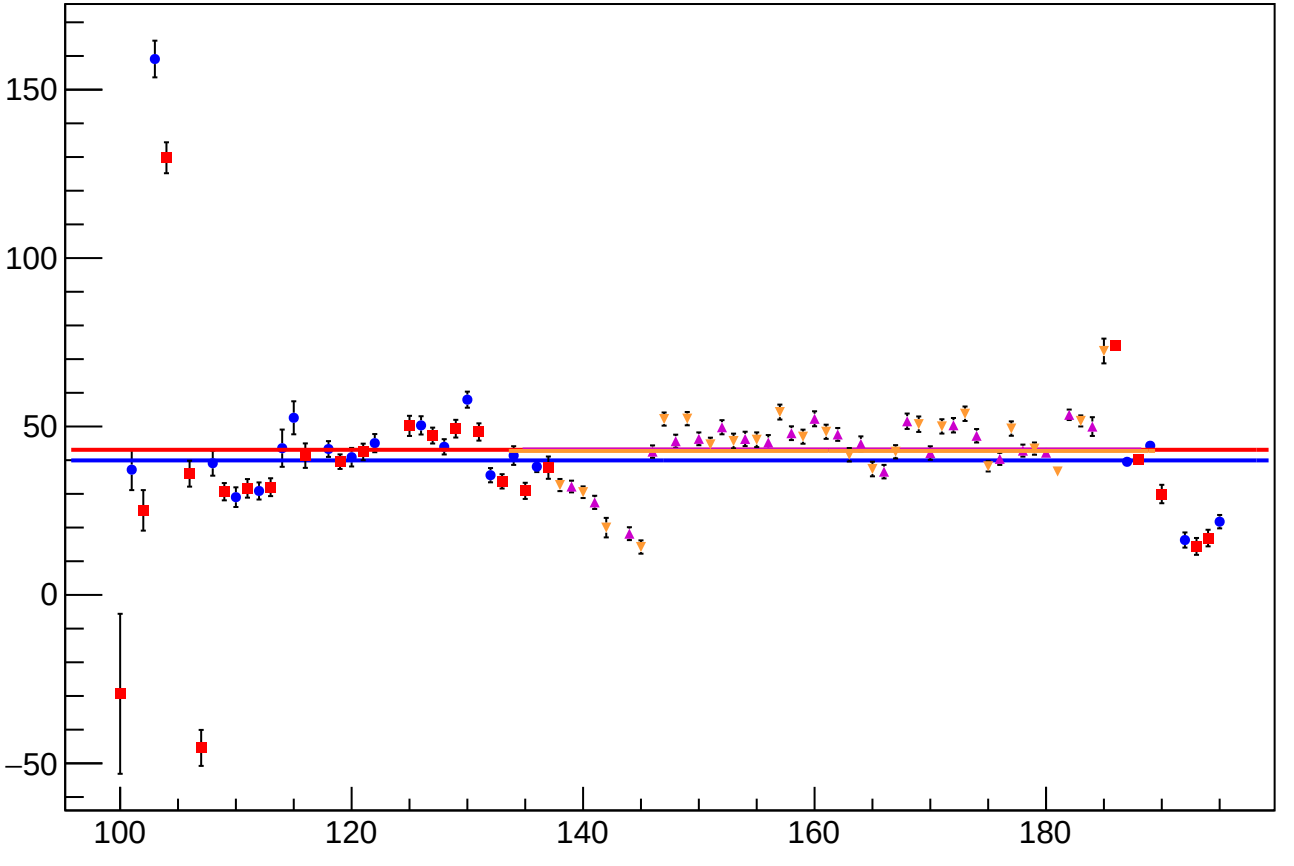
Right: -7.359+/-0.362 χ^2/NDF: 906.8/42

In: -7.695+/-0.271 χ^2/NDF:624.6/42

Out: -6.995+/-0.262 χ^2/NDF:589.0/46

All: -7.334+/-0.188 χ^2/NDF: 1217.1/89

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 39.934+/-0.507 χ^2/NDF: 803.5/19

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 43.084+/-0.425 χ^2/NDF: 1820.3/22

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

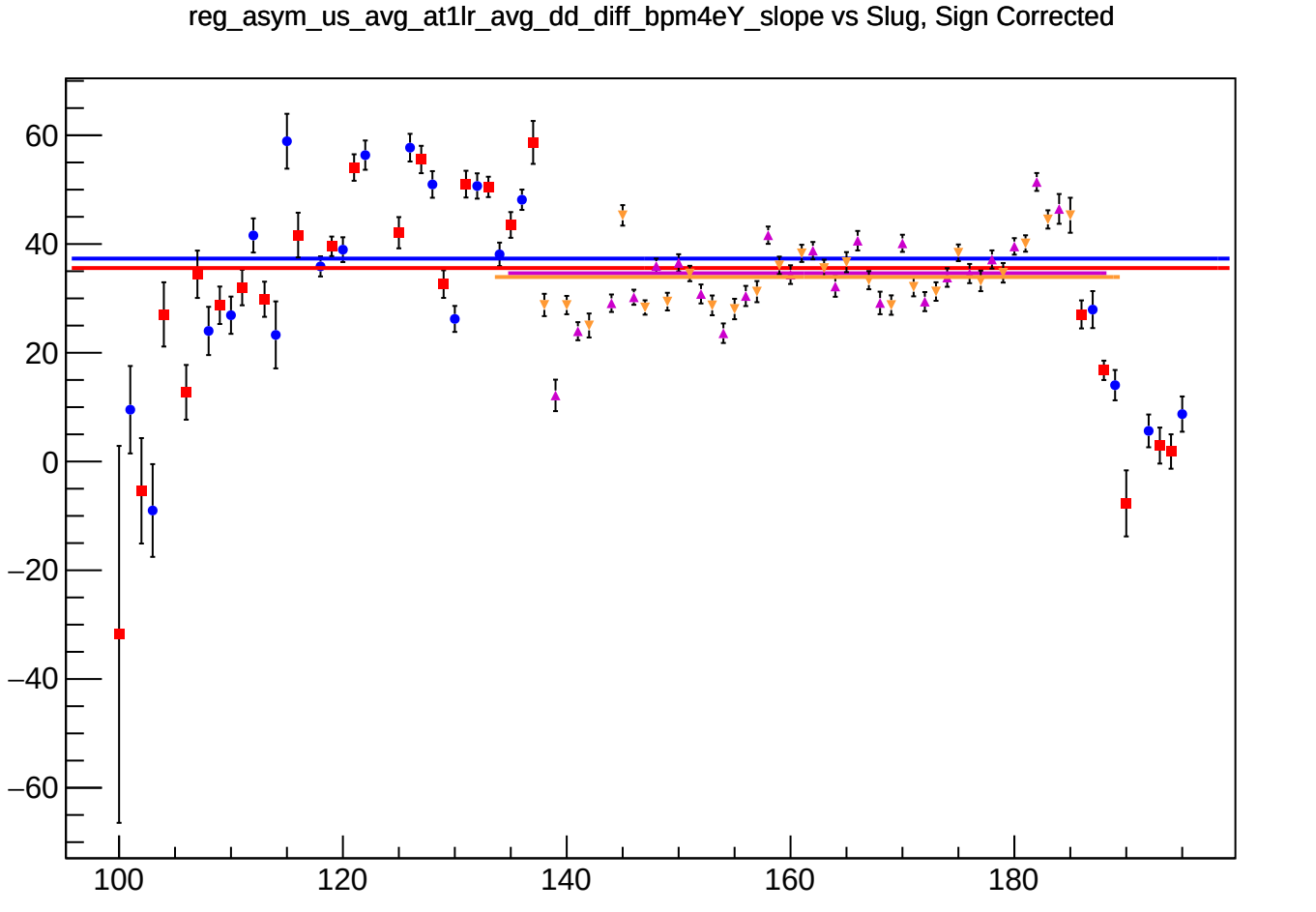
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 41.783+/-0.326 χ^2/NDF: 2646.5/42

In: 41.900+/-0.317 χ^2/NDF:1241.3/42

Out: 42.906+/-0.293 χ^2/NDF:2452.2/46

All: 42.443+/-0.215 χ^2/NDF: 3698.9/89



Right In: 37.323+/-0.625 χ^2/NDF: 585.4/19

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 35.581+/-0.602 χ^2/NDF: 719.6/22

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

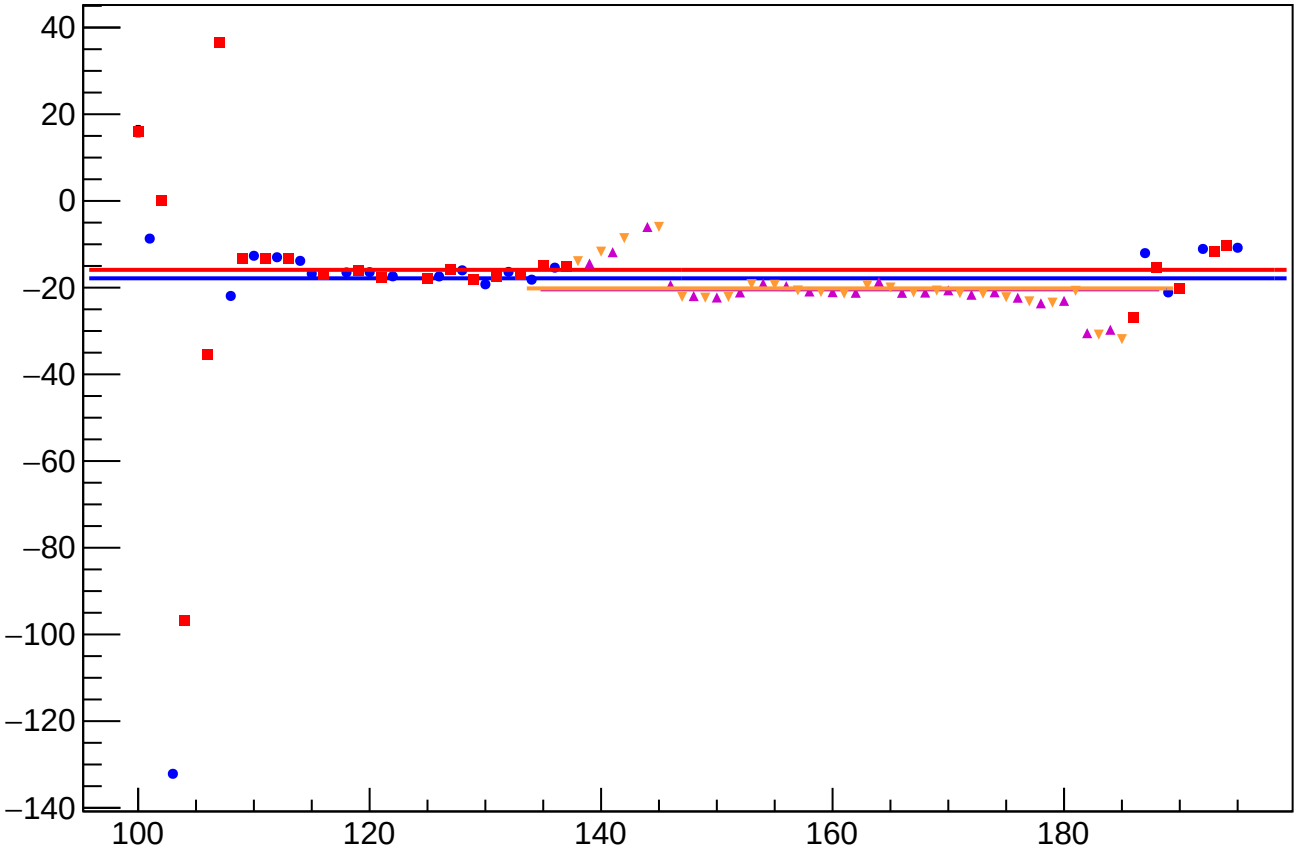
Right: 36.420+/-0.434 χ^2/NDF: 1309.1/42

In: 35.285+/-0.309 χ^2/NDF:975.6/42

Out: 34.348+/-0.303 χ^2/NDF:941.7/46

All: 34.807+/-0.217 χ^2/NDF: 1922.0/89

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.851+/-0.034 χ^2/NDF: 261086.4/19

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.893+/-0.033 χ^2/NDF: 215056.4/22

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

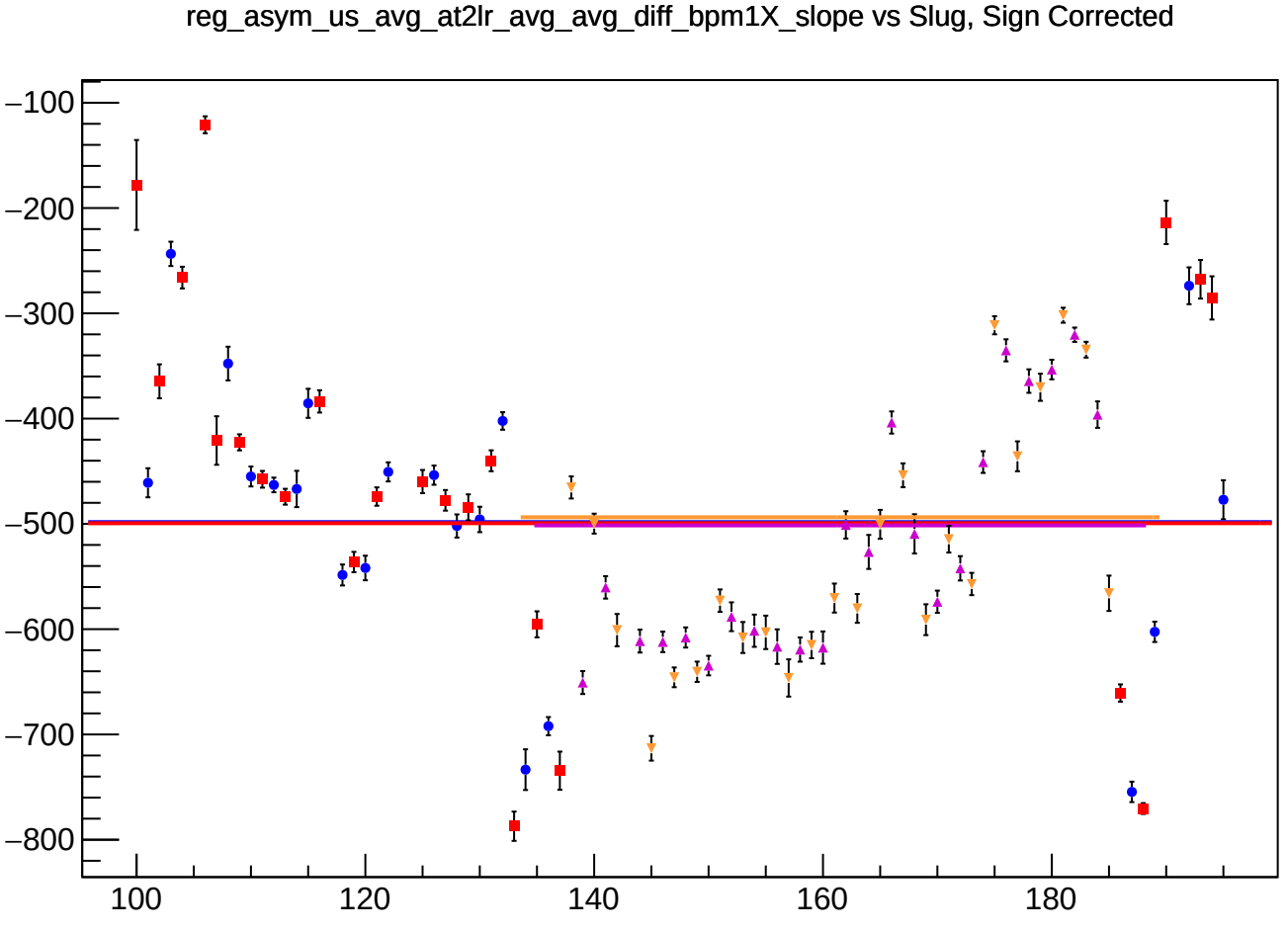
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -16.857+/-0.024 χ^2/NDF: 477831.1/42

In: -19.943+/-0.014 χ^2/NDF:346865.2/42

Out: -19.395+/-0.014 χ^2/NDF:328405.0/46

All: -19.668+/-0.010 χ^2/NDF: 676006.8/89



Right In: -498.342+/-2.413 χ^2/NDF: 2554.1/19

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -499.345+/-2.109 χ^2/NDF: 7458.8/22

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

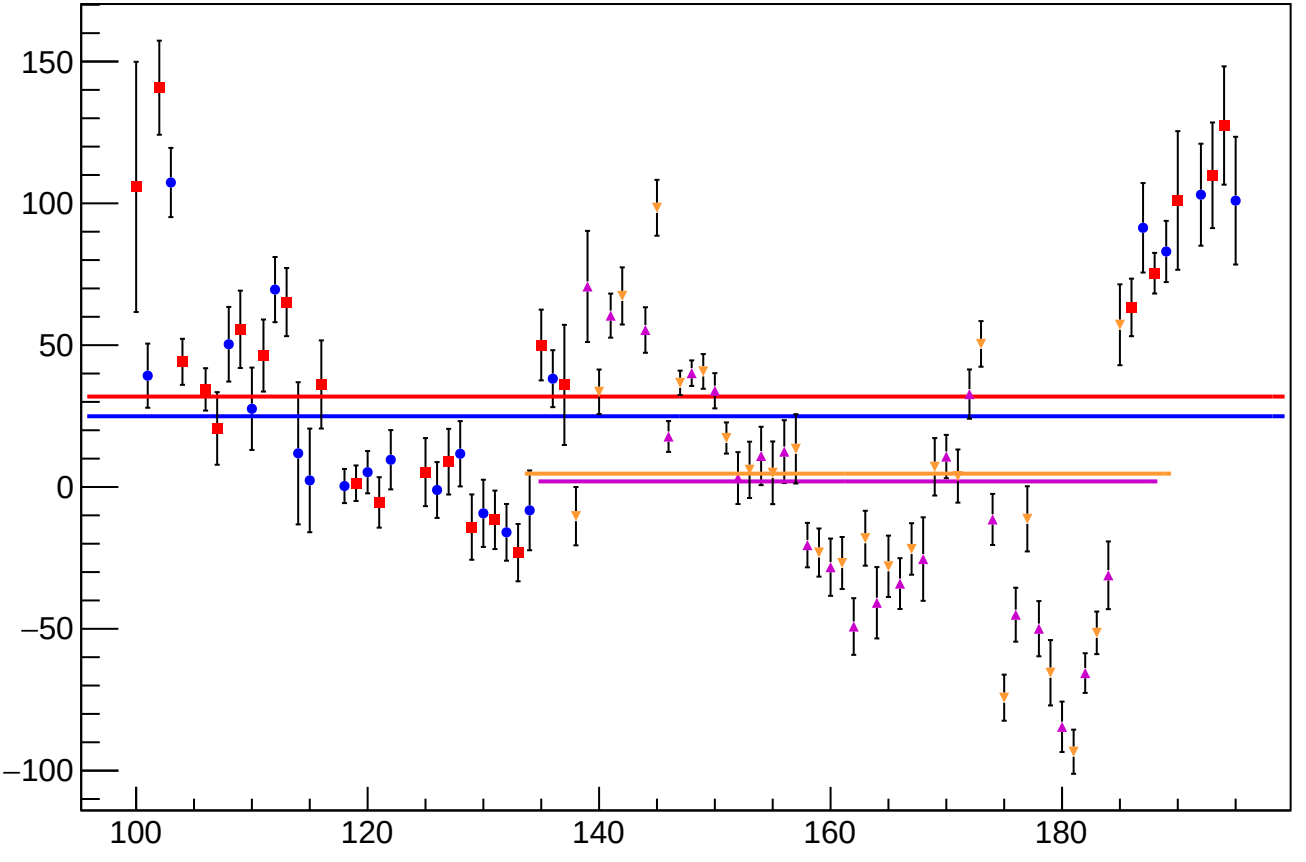
Right: -498.911+/-1.588 χ^2/NDF: 10013.0/42

In: -499.953+/-1.667 χ^2/NDF:5244.2/42

Out: -496.770+/-1.553 χ^2/NDF:10612.1/46

All: -498.249+/-1.136 χ^2/NDF: 15858.3/89

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.935+/-2.503 χ^2/NDF: 211.4/19

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 31.883+/-2.294 χ^2/NDF: 270.1/22

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

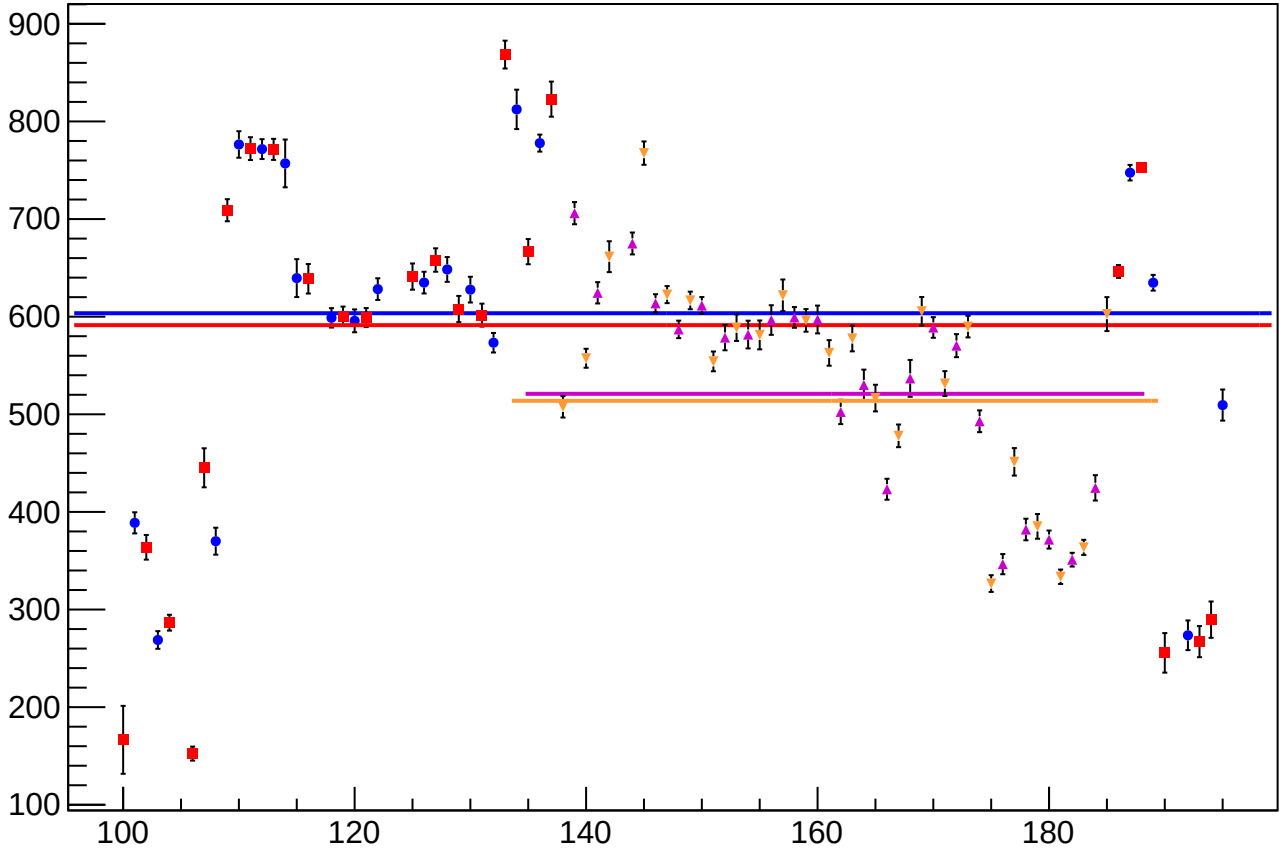
Right: 28.712+/-1.691 χ^2/NDF: 485.7/42

In: 9.347+/-1.419 χ^2/NDF:829.4/42

Out: 14.312+/-1.363 χ^2/NDF:1041.2/46

All: 11.928+/-0.983 χ^2/NDF: 1876.9/89

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 603.536+/-2.533 χ^2/NDF: 3913.6/19

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 591.321+/-2.116 χ^2/NDF: 9483.1/22

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

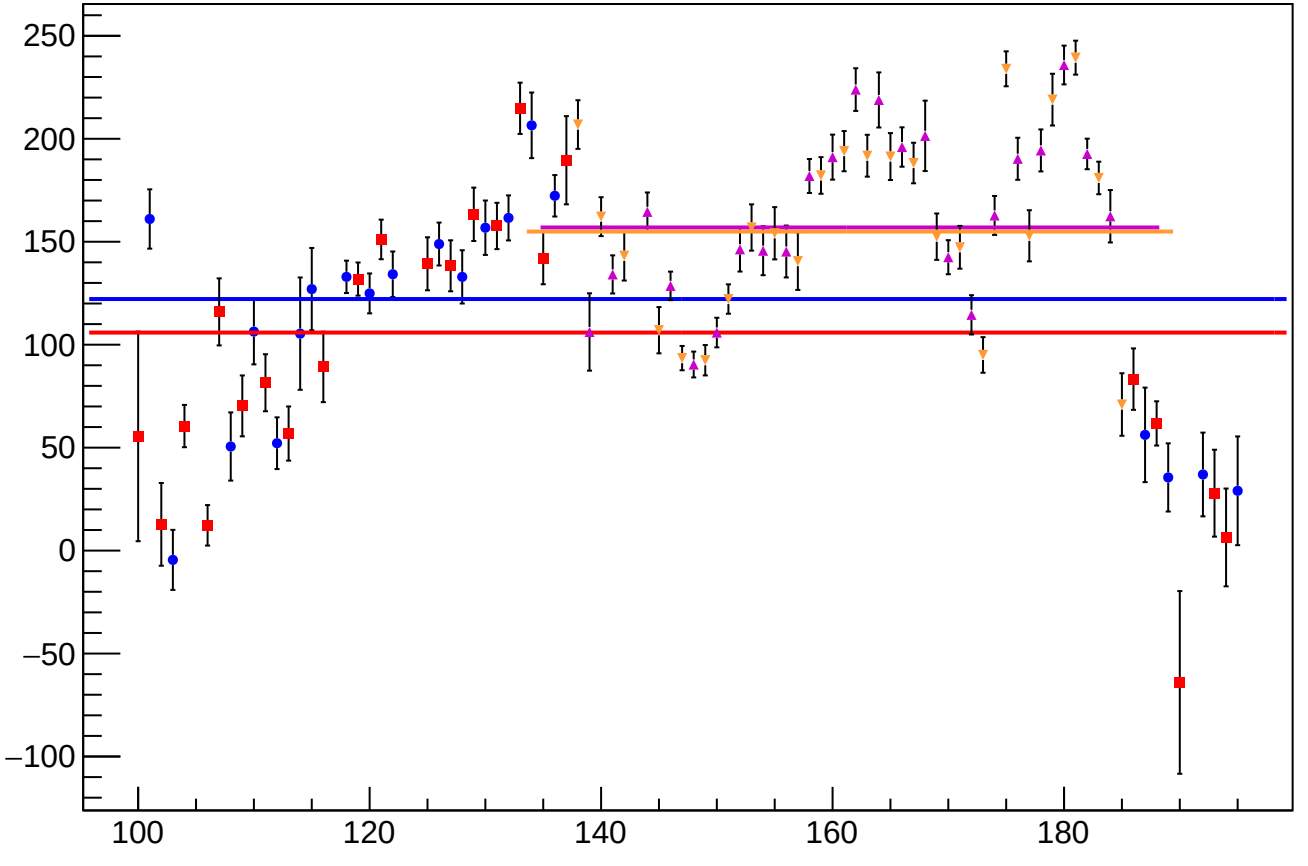
Right: 596.342+/-1.624 χ^2/NDF: 13410.4/42

In: 557.995+/-1.696 χ^2/NDF:6942.3/42

Out: 555.413+/-1.550 χ^2/NDF:12840.2/46

All: 556.588+/-1.144 χ^2/NDF: 19783.7/89

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 122.175+/-2.952 χ^2/NDF: 282.7/19

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 105.886+/-2.767 χ^2/NDF: 408.5/22

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

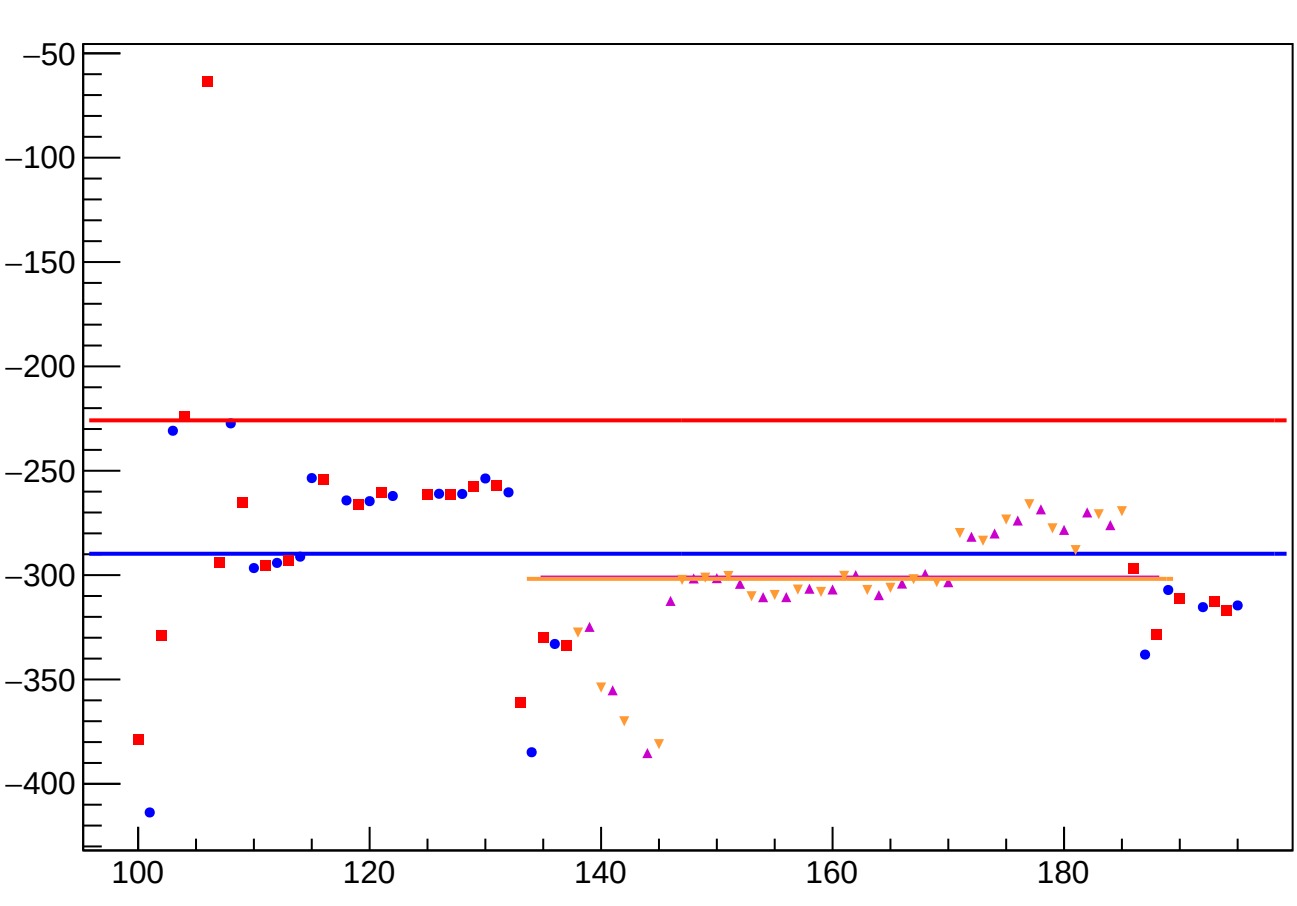
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 113.505+/-2.019 χ^2/NDF: 707.4/42

In: 146.214+/-1.639 χ^2/NDF:821.8/42

Out: 138.633+/-1.596 χ^2/NDF:1227.2/46

All: 142.321+/-1.143 χ^2/NDF: 2060.0/89



Right In: -289.762+/-0.162 χ^2/NDF: 109615.0/19

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -225.857+/-0.136 χ^2/NDF: 626401.7/22

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

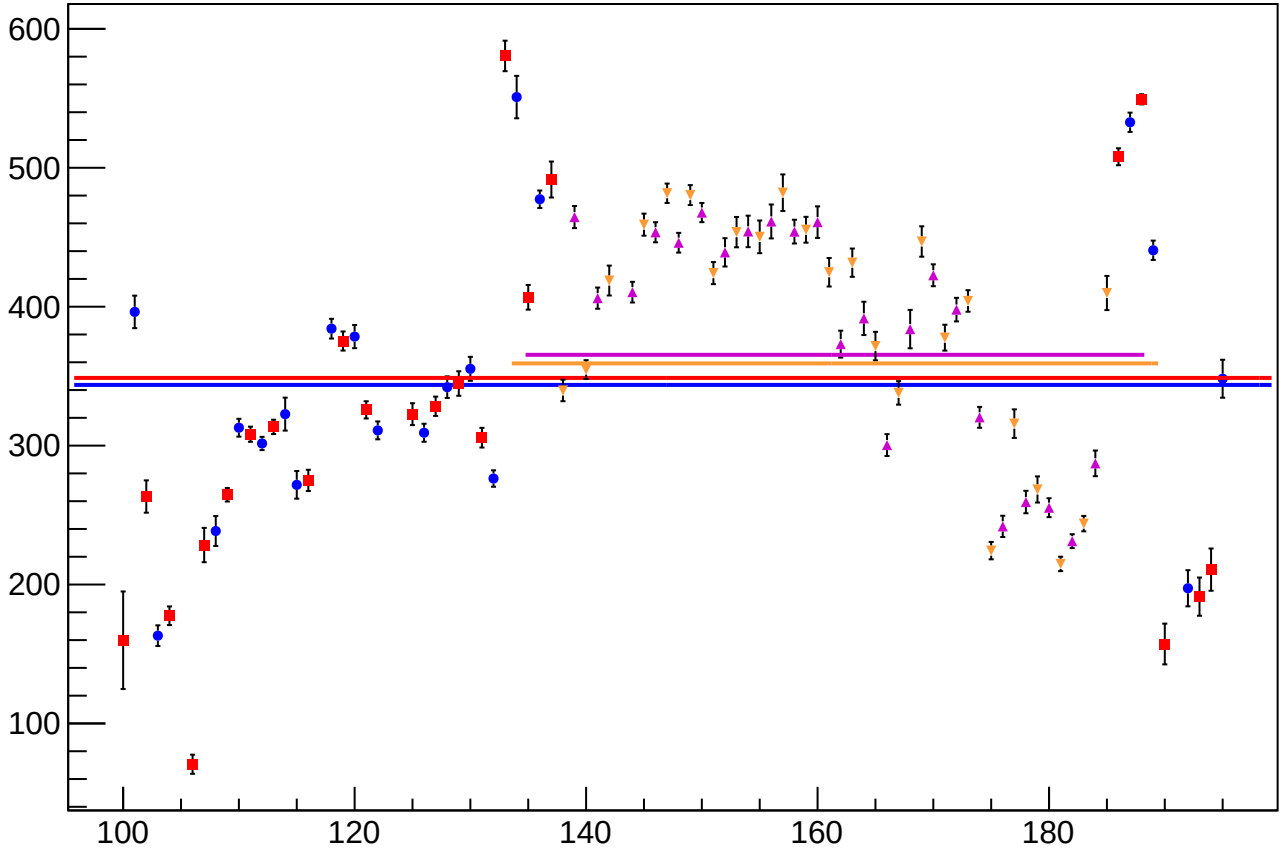
Right: -252.237+/-0.104 χ^2/NDF: 827062.1/42

In: -298.490+/-0.079 χ^2/NDF:188722.9/42

Out: -278.396+/-0.076 χ^2/NDF:928567.2/46

All: -288.027+/-0.054 χ^2/NDF: 1151218.2/89

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 343.702+/-1.708 χ^2/NDF: 2796.4/19

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 348.738+/-1.493 χ^2/NDF: 7731.8/22

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

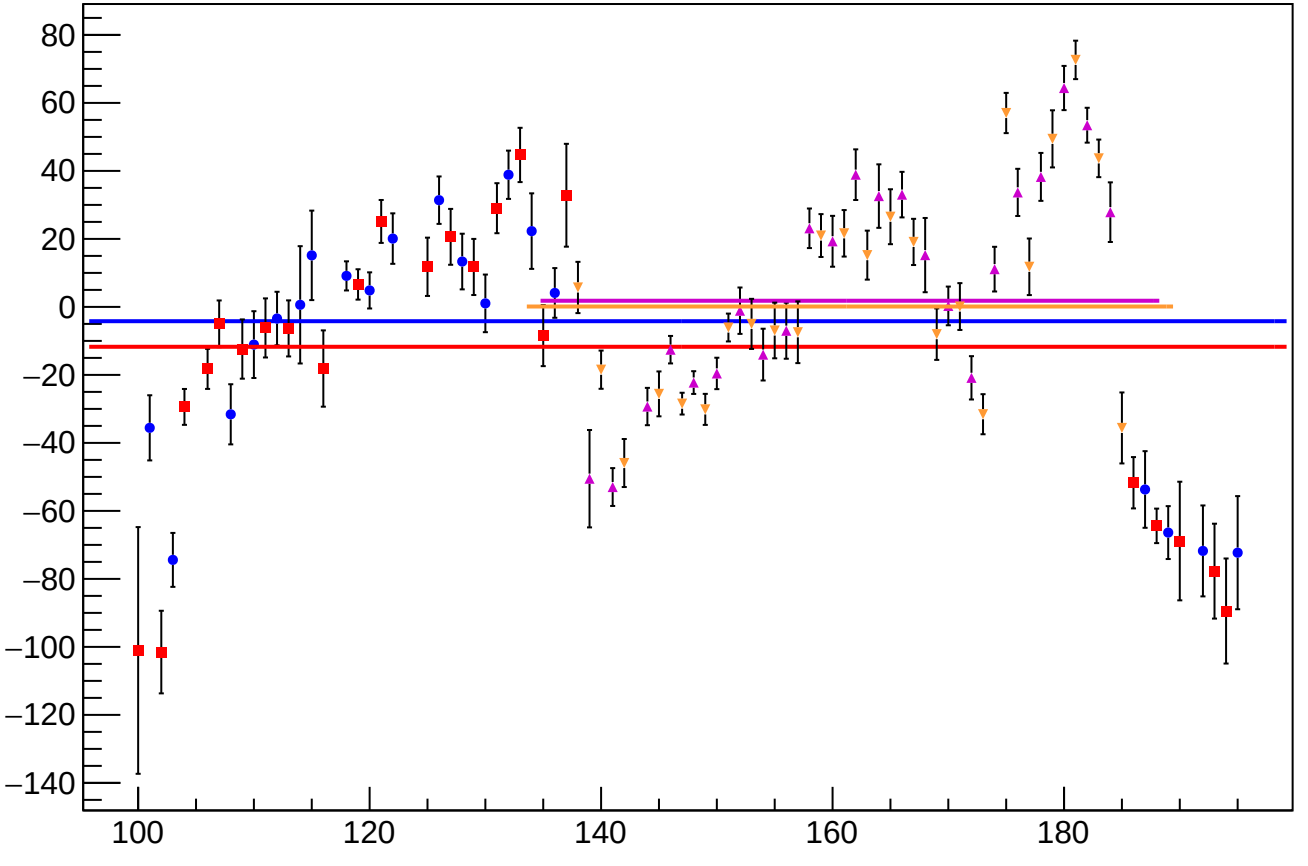
Right: 346.556+/-1.124 χ^2/NDF: 10533.2/42

In: 354.631+/-1.202 χ^2/NDF:5617.0/42

Out: 353.346+/-1.116 χ^2/NDF:10941.3/46

All: 353.941+/-0.818 χ^2/NDF: 16559.0/89

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.205+/-1.788 χ^2/NDF: 324.9/19

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -11.730+/-1.621 χ^2/NDF: 441.0/22

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

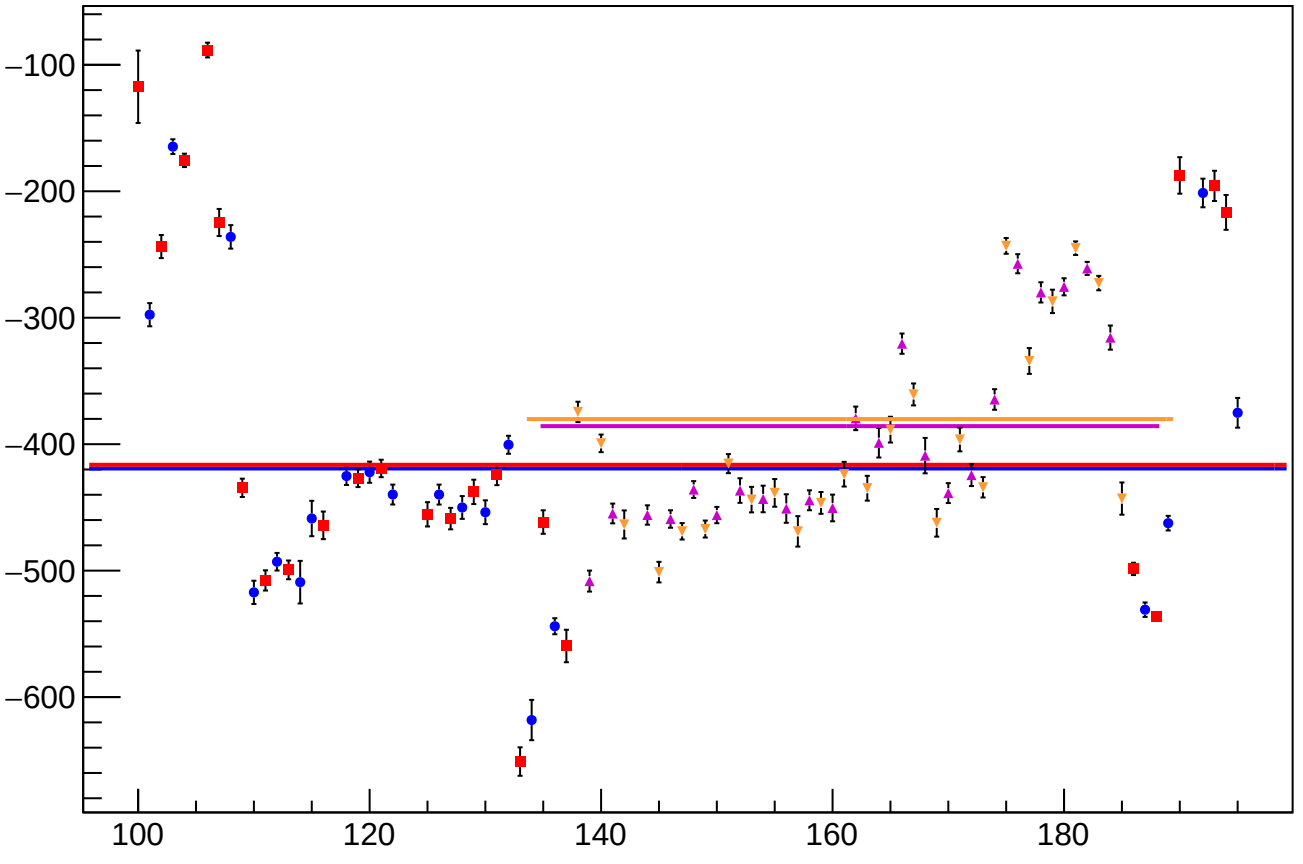
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -8.335+/-1.201 χ^2/NDF: 775.6/42

In: -0.199+/-1.034 χ^2/NDF:909.4/42

Out: -4.289+/-0.988 χ^2/NDF:1112.5/46

All: -2.336+/-0.714 χ^2/NDF: 2030.1/89



Right In: -419.216+/-1.802 χ^2/NDF: 4136.3/19

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -416.286+/-1.506 χ^2/NDF: 9704.4/22

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

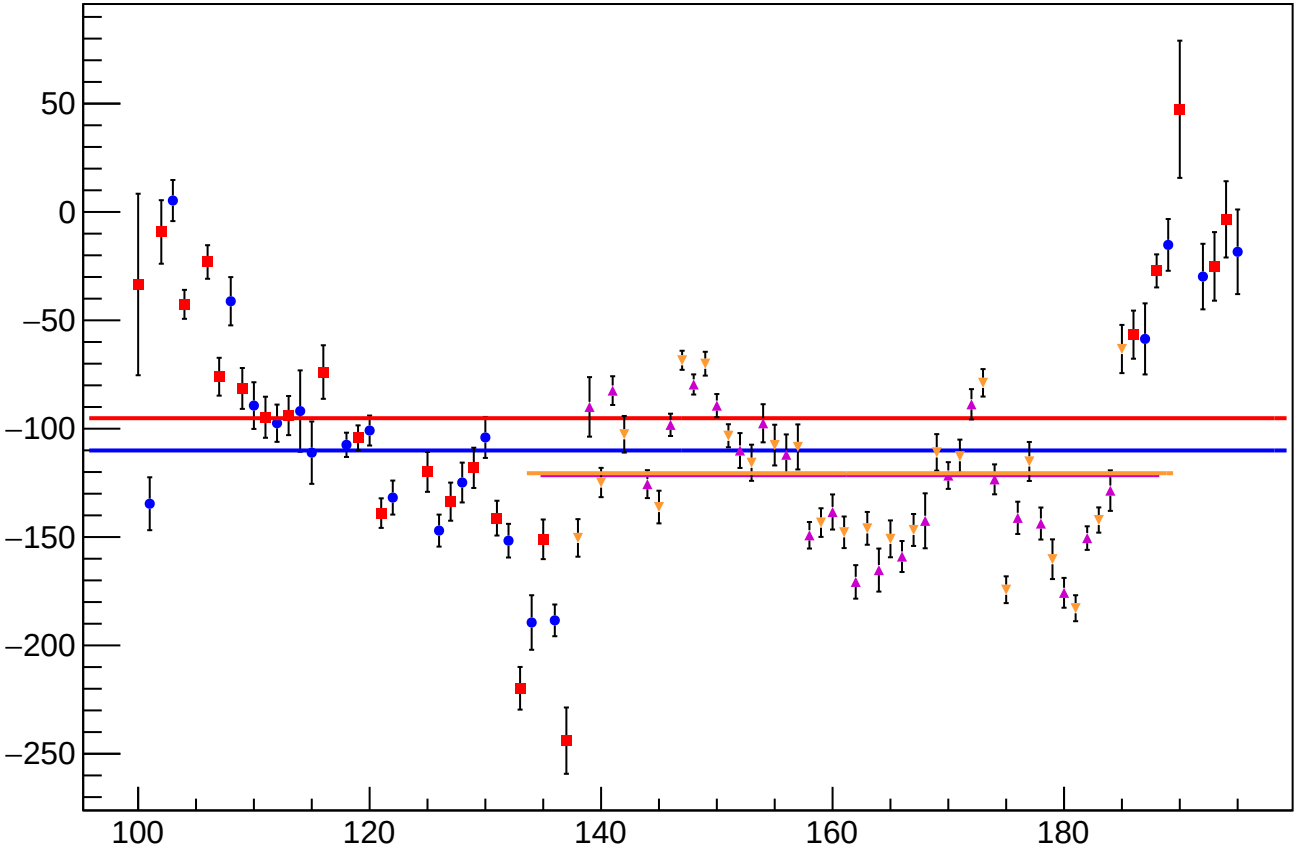
Right: -417.492+/-1.156 χ^2/NDF: 13842.2/42

In: -401.272+/-1.227 χ^2/NDF:6682.7/42

Out: -400.069+/-1.118 χ^2/NDF:12581.3/46

All: -400.615+/-0.827 χ^2/NDF: 19264.6/89

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -110.051+/-2.106 χ^2/NDF: 541.0/19

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -95.161+/-1.953 χ^2/NDF: 754.9/22

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

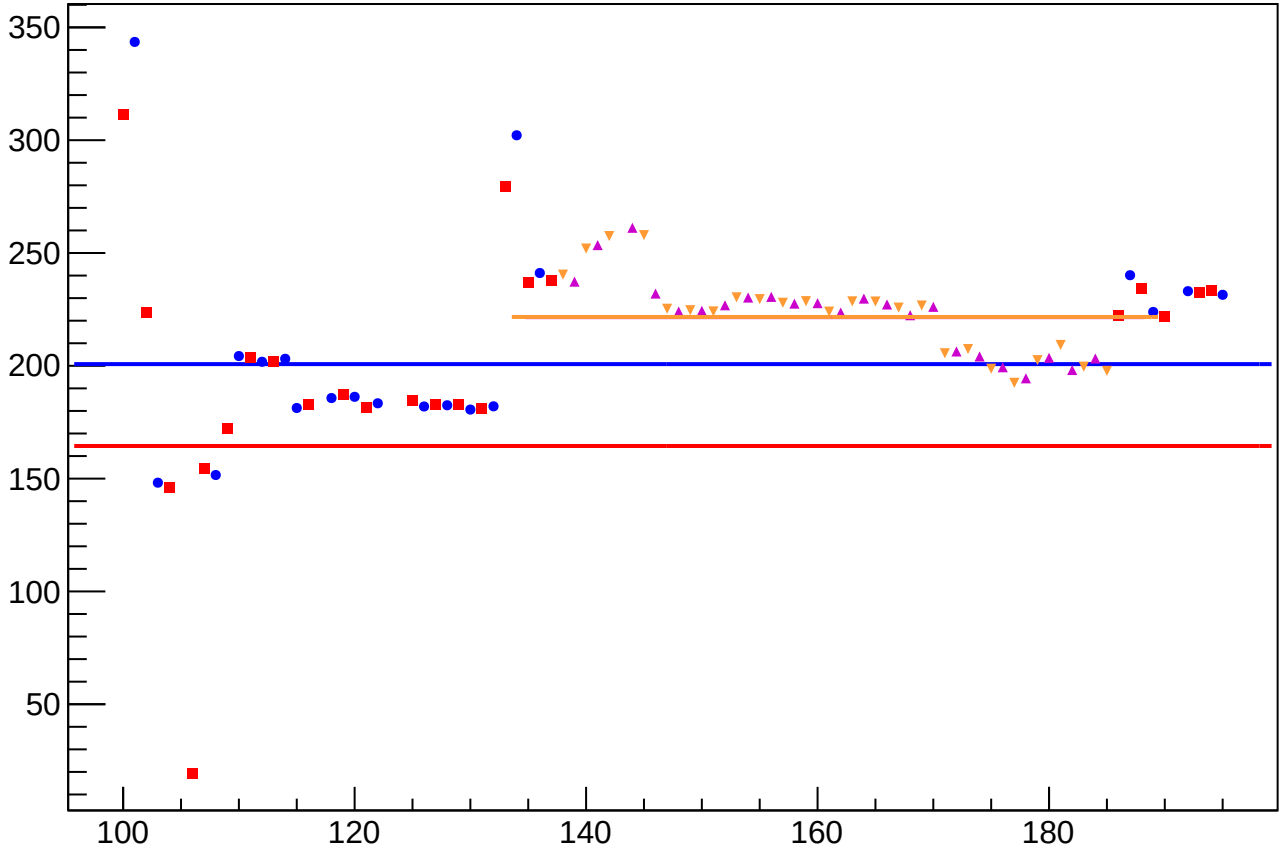
Right: -102.042+/-1.432 χ^2/NDF: 1322.8/42

In: -117.788+/-1.194 χ^2/NDF:993.5/42

Out: -111.638+/-1.156 χ^2/NDF:1476.0/46

All: -114.614+/-0.831 χ^2/NDF: 2483.3/89

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 200.750+/-0.115 χ^2/NDF: 189609.1/19

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 164.466+/-0.101 χ^2/NDF: 589795.6/22

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

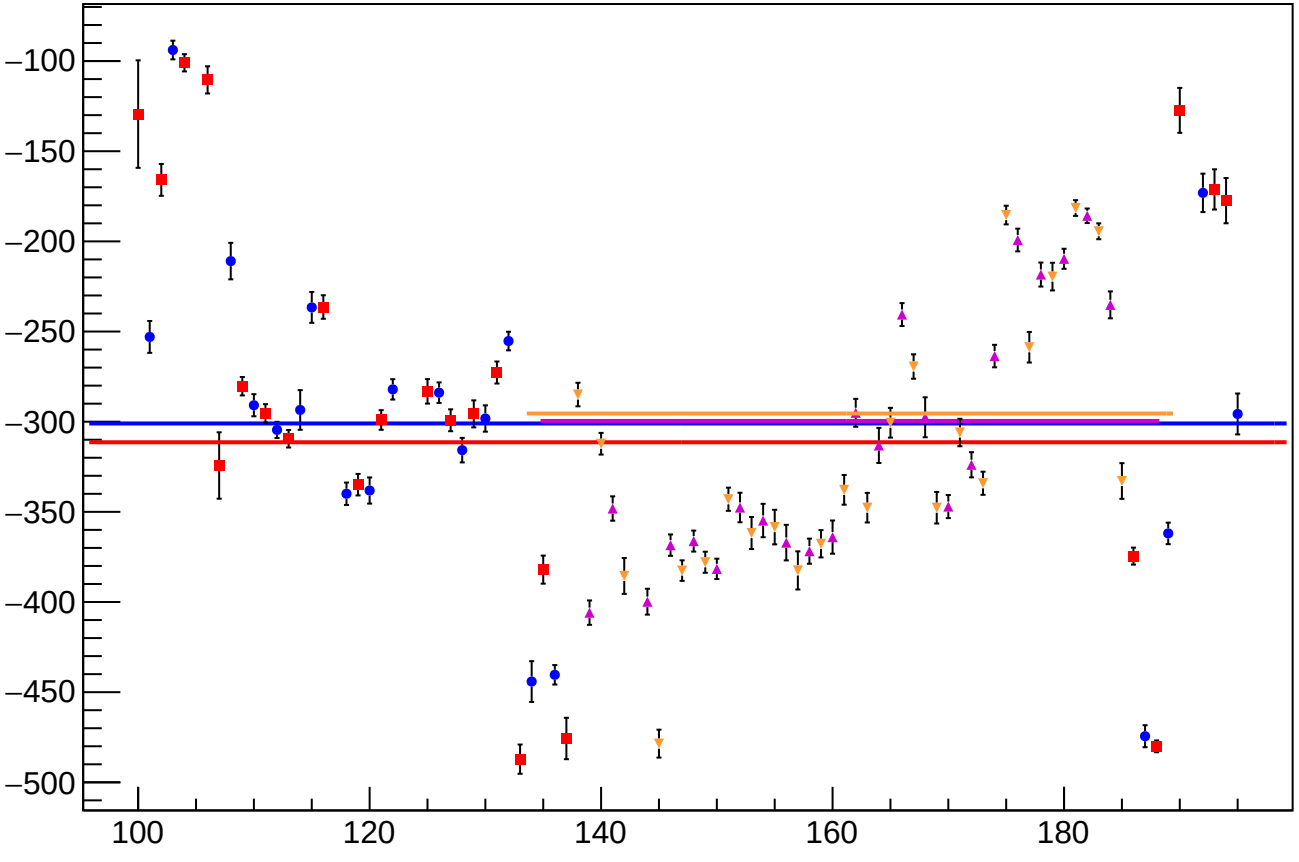
Right: 180.220+/-0.076 χ^2/NDF: 835955.4/42

In: 216.374+/-0.057 χ^2/NDF:276429.5/42

Out: 204.183+/-0.056 χ^2/NDF:881702.5/46

All: 210.086+/-0.040 χ^2/NDF: 1181436.2/89

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -300.975+/-1.480 χ^2/NDF: 3822.2/19

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -311.400+/-1.319 χ^2/NDF: 7296.2/22

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

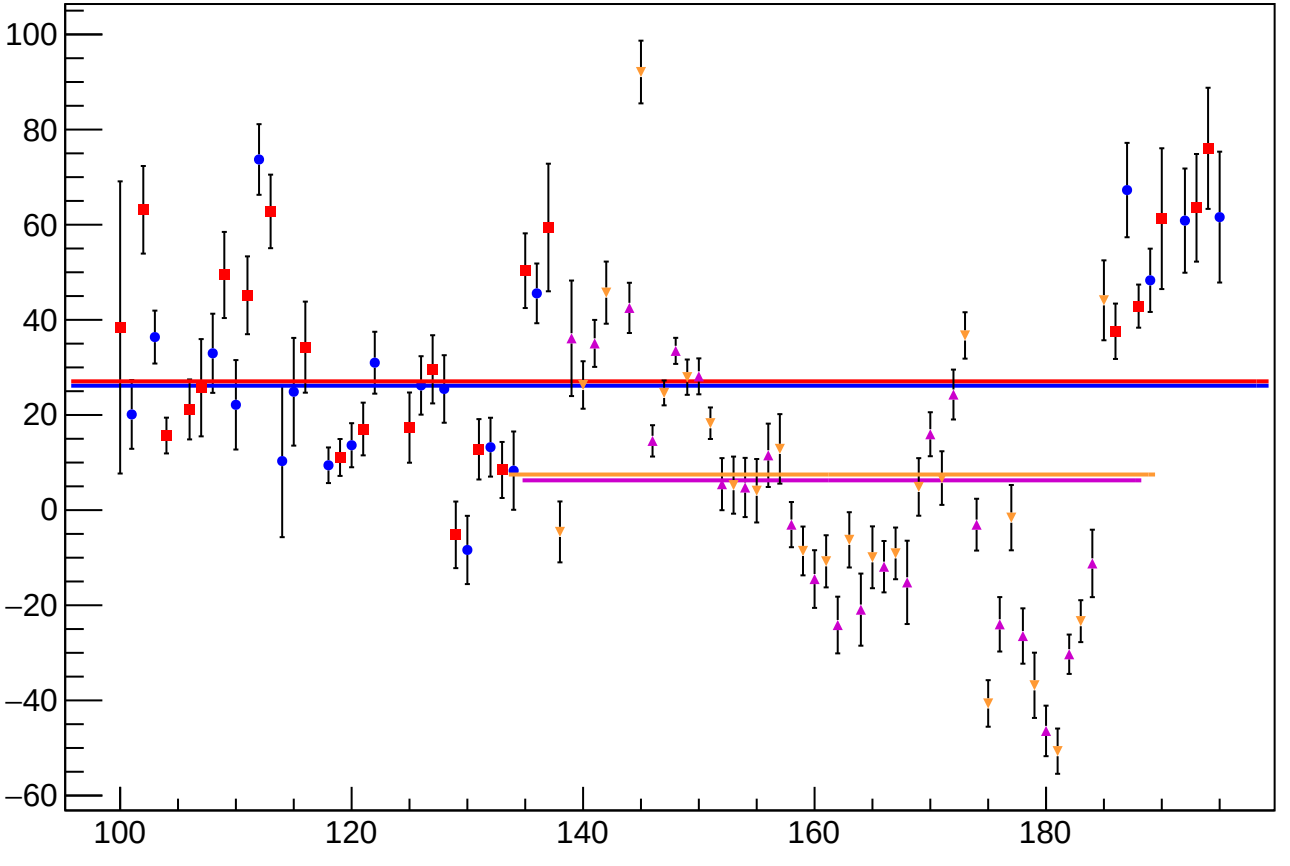
Right: -306.783+/-0.985 χ^2/NDF: 11146.0/42

In: -300.241+/-1.016 χ^2/NDF:6794.4/42

Out: -303.863+/-0.958 χ^2/NDF:10711.5/46

All: -302.158+/-0.697 χ^2/NDF: 17512.6/89

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 26.157+/-1.530 χ^2/NDF: 161.5/19

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 27.074+/-1.411 χ^2/NDF: 177.5/22

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

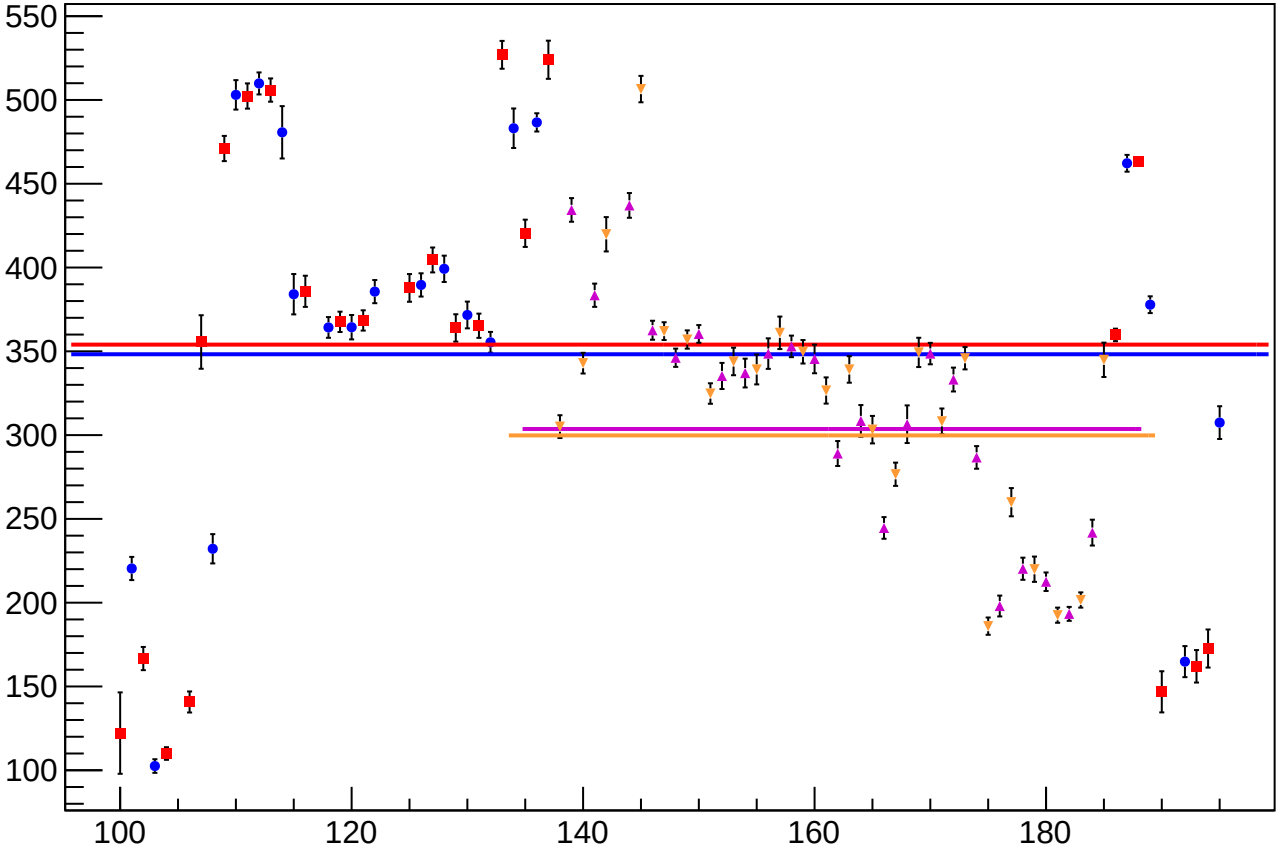
Right: 26.653+/-1.037 χ^2/NDF: 339.2/42

In: 12.587+/-0.863 χ^2/NDF:836.2/42

Out: 14.294+/-0.832 χ^2/NDF:1041.8/46

All: 13.472+/-0.599 χ^2/NDF: 1880.0/89

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 348.250+/-1.527 χ^2/NDF: 7032.9/19

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 354.001+/-1.304 χ^2/NDF: 10743.2/22

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

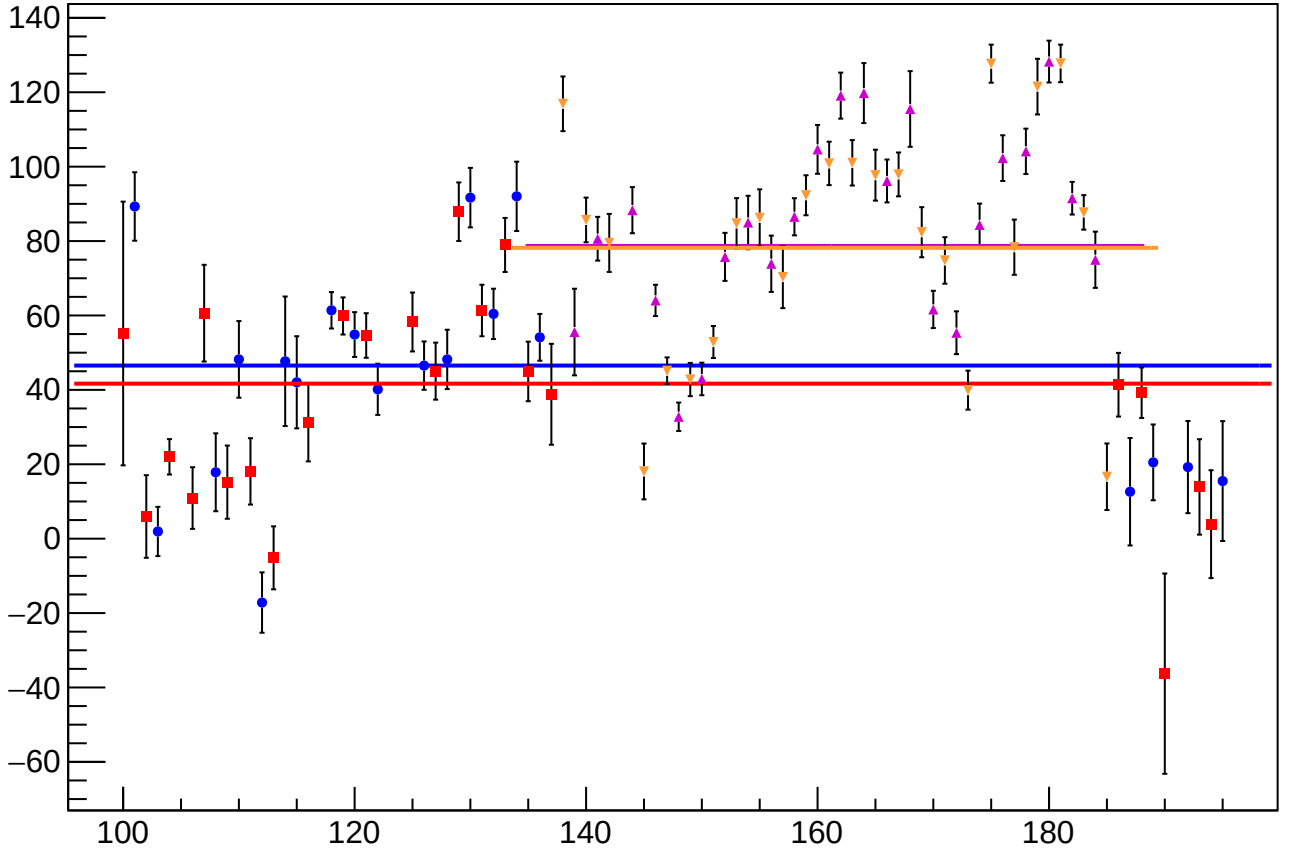
Right: 351.576+/-0.991 χ^2/NDF: 17784.3/42

In: 323.744+/-1.025 χ^2/NDF:10374.3/42

Out: 328.473+/-0.948 χ^2/NDF:14633.0/46

All: 326.293+/-0.696 χ^2/NDF: 25018.8/89

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 46.535+/-1.805 χ^2/NDF: 230.3/19

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 41.667+/-1.703 χ^2/NDF: 200.9/22

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

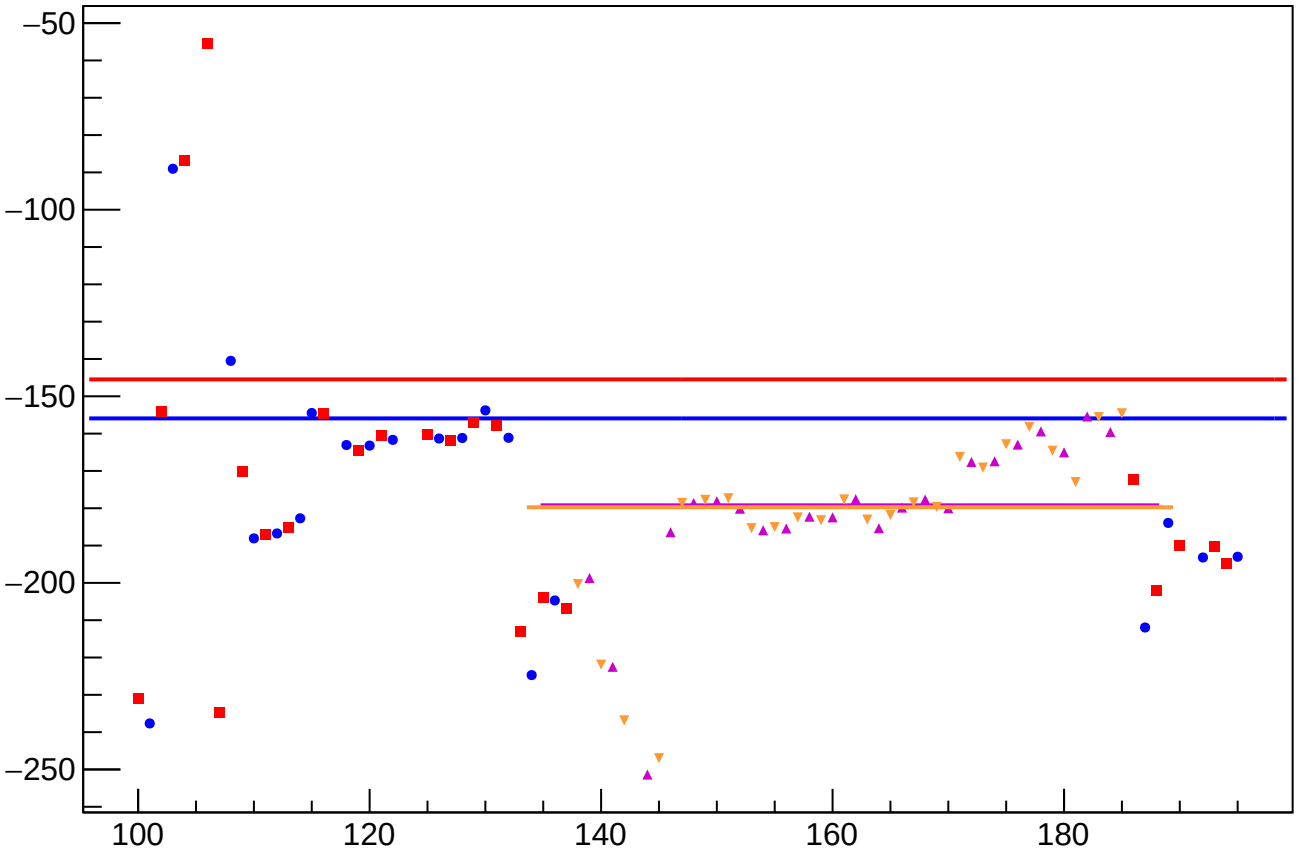
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 43.959+/-1.238 χ^2/NDF: 435.1/42

In: 68.890+/-0.996 χ^2/NDF:939.6/42

Out: 66.272+/-0.972 χ^2/NDF:1174.1/46

All: 67.549+/-0.696 χ^2/NDF: 2117.3/89



Right In: -155.924+/-0.093 χ^2/NDF: 283495.3/19

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -145.470+/-0.088 χ^2/NDF: 381544.3/22

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

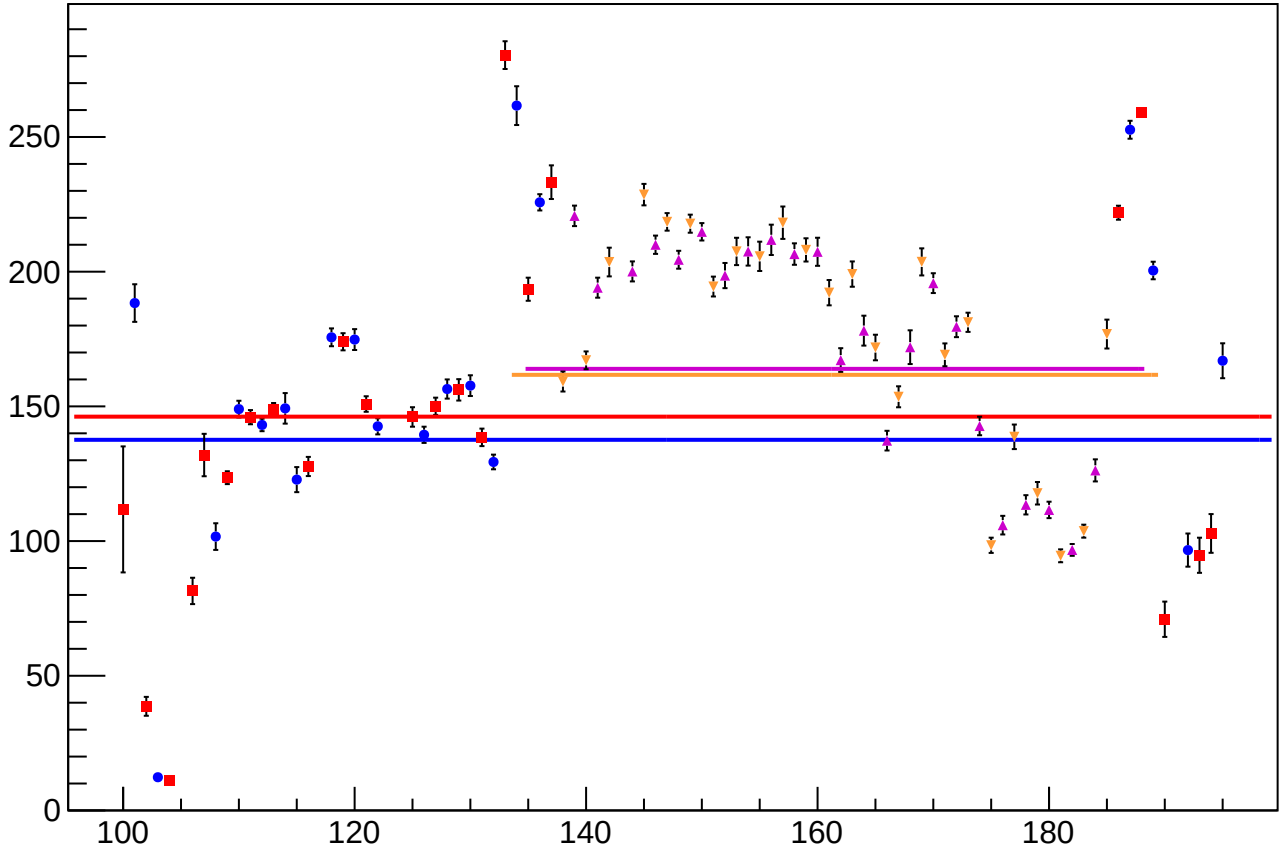
Right: -150.379+/-0.064 χ^2/NDF: 671719.5/42

In: -173.277+/-0.047 χ^2/NDF:443593.1/42

Out: -170.057+/-0.047 χ^2/NDF:623420.0/46

All: -171.651+/-0.033 χ^2/NDF: 1069378.3/89

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 137.589+/-0.755 χ^2/NDF: 7966.1/19

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 146.187+/-0.673 χ^2/NDF: 13005.7/22

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

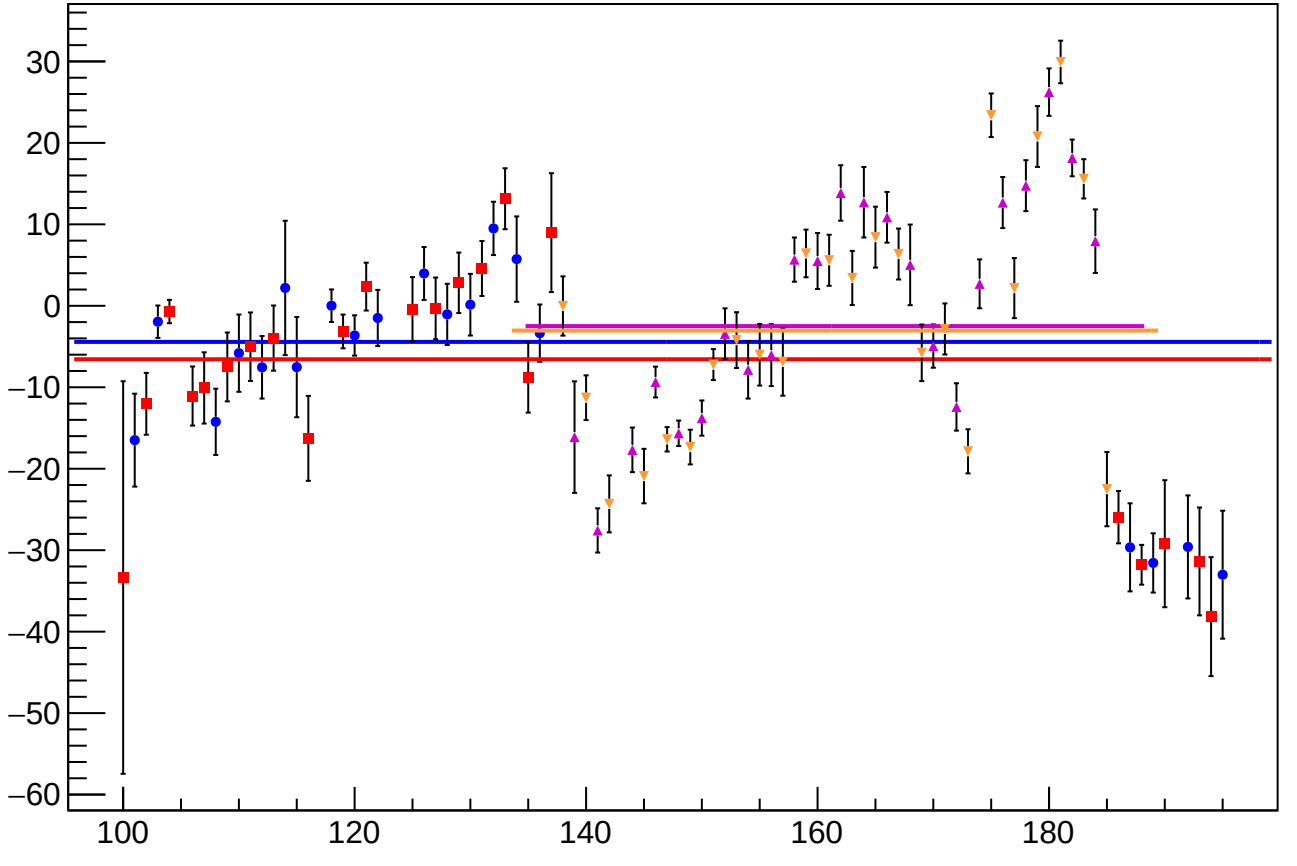
Right: 142.375+/-0.502 χ^2/NDF: 21044.0/42

In: 150.335+/-0.542 χ^2/NDF:11891.1/42

Out: 152.852+/-0.509 χ^2/NDF:16821.1/46

All: 151.674+/-0.371 χ^2/NDF: 28723.7/89

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.431+/-0.792 χ^2/NDF: 156.8/19

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -6.562+/-0.706 χ^2/NDF: 277.7/22

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

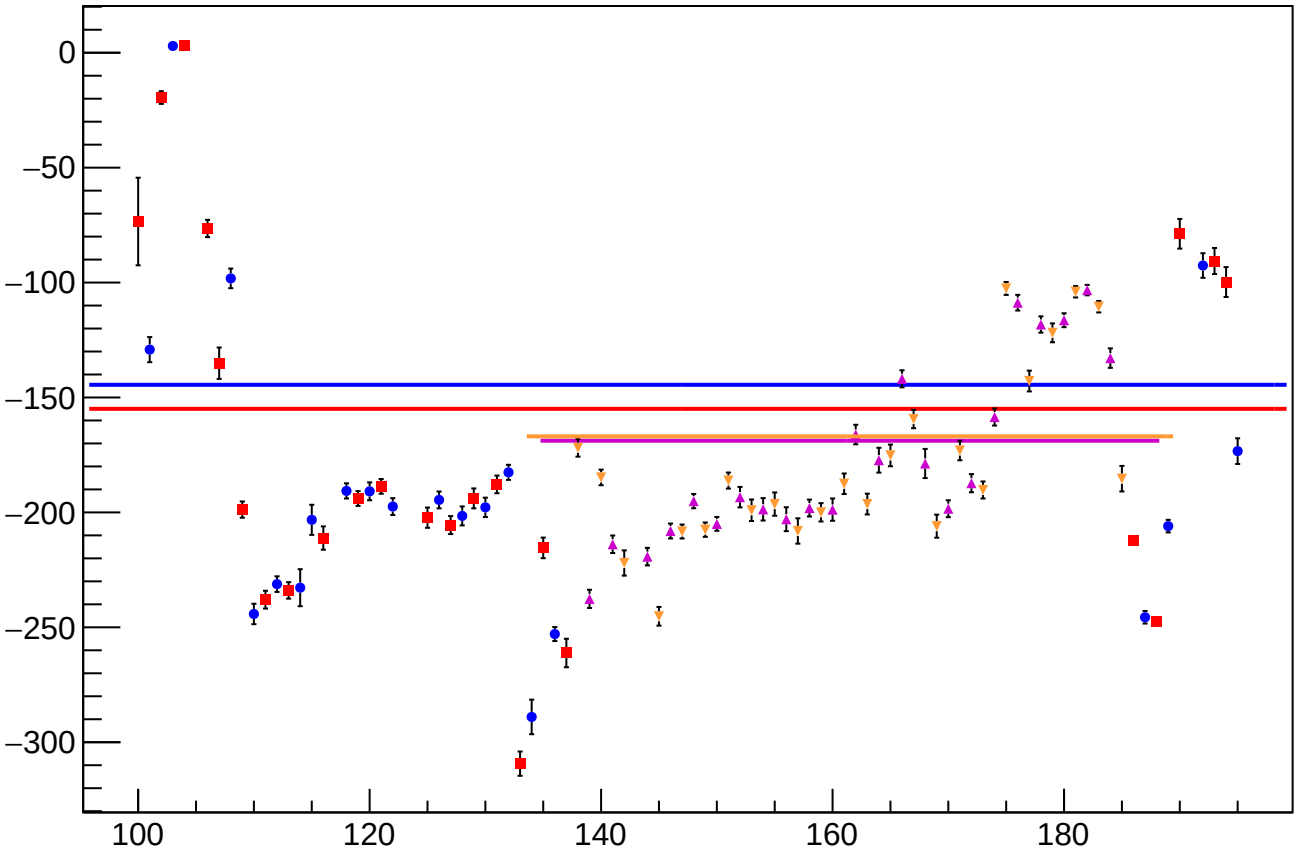
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -5.619+/-0.527 χ^2/NDF: 438.4/42

In: -3.179+/-0.472 χ^2/NDF:723.5/42

Out: -4.454+/-0.447 χ^2/NDF:947.1/46

All: -3.850+/-0.325 χ^2/NDF: 1674.4/89



Right In: -144.480+/-0.760 χ^2/NDF: 17000.4/19

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -154.934+/-0.656 χ^2/NDF: 23500.6/22

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

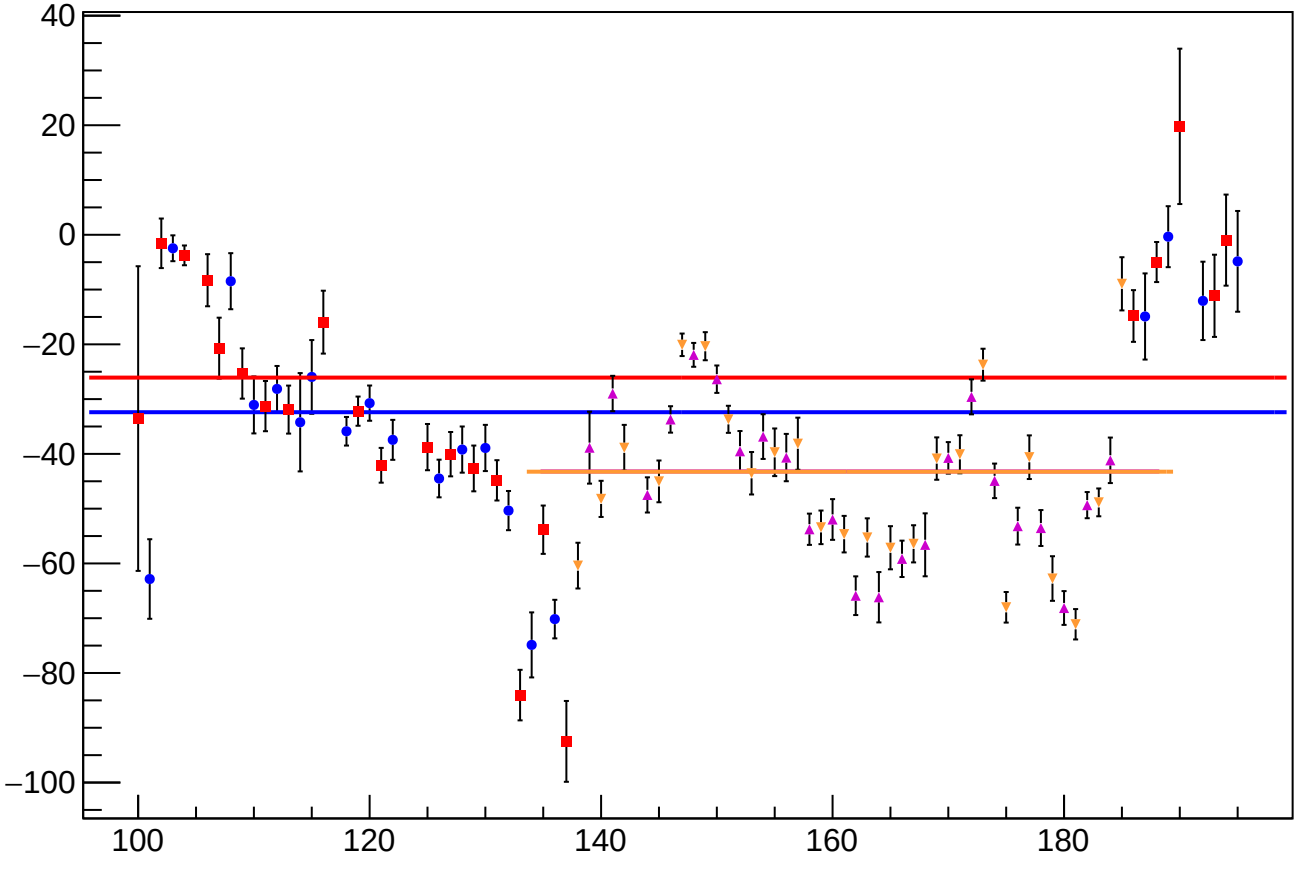
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -150.472+/-0.497 χ^2/NDF: 40609.3/42

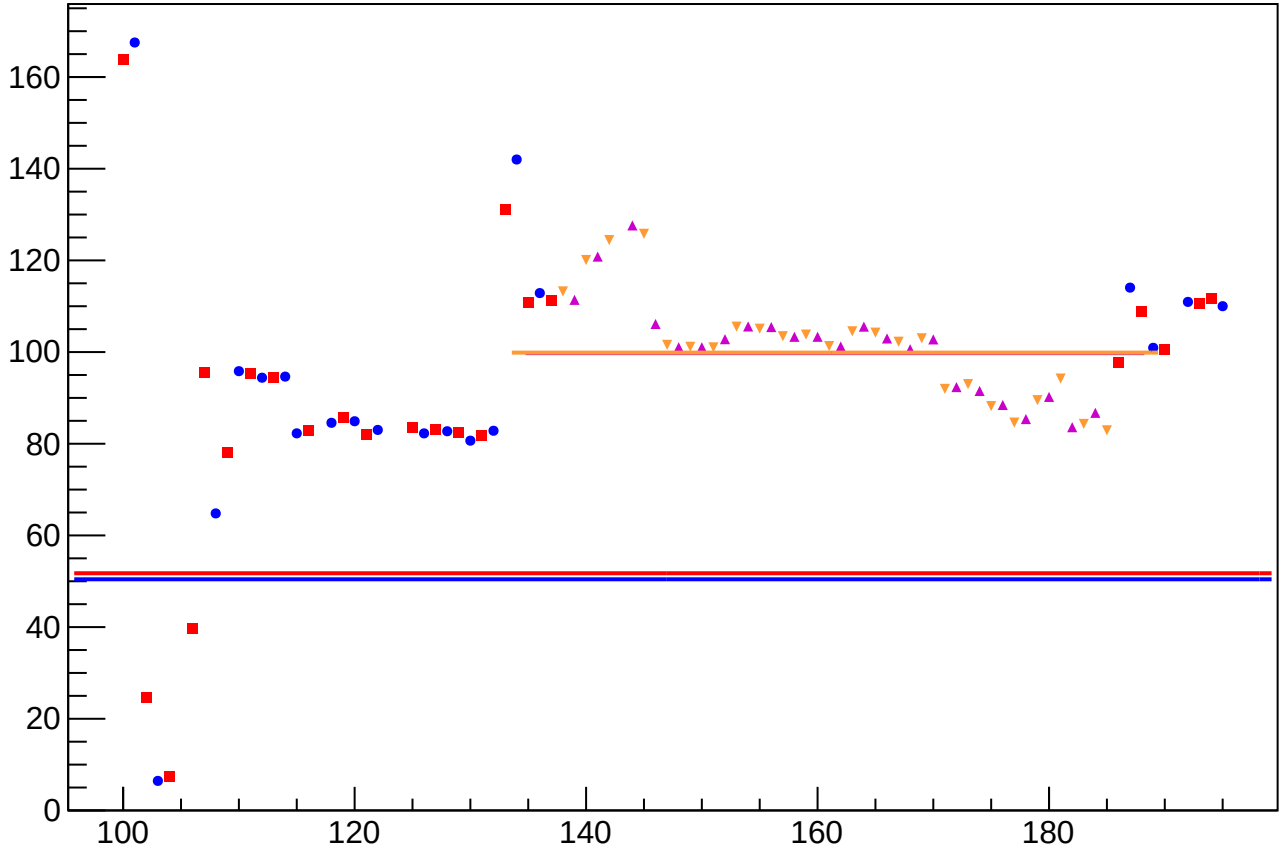
In: -156.449+/-0.542 χ^2/NDF:20563.9/42

Out: -159.964+/-0.500 χ^2/NDF:26736.9/46

All: -158.349+/-0.367 χ^2/NDF: 47323.5/89


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
Right In: -32.391+/-0.934 χ²/NDF: 470.3/19
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -26.072+/-0.854 χ²/NDF: 637.6/22
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -28.949+/-0.630 χ²/NDF: 1132.8/42
In: -39.530+/-0.544 χ²/NDF:964.7/42
Out: -36.774+/-0.524 χ²/NDF:1500.1/46
All: -38.100+/-0.378 χ²/NDF: 2478.1/89

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 50.429+/-0.043 χ^2/NDF: 1280747.8/19

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 51.749+/-0.042 χ^2/NDF: 1086162.5/22

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

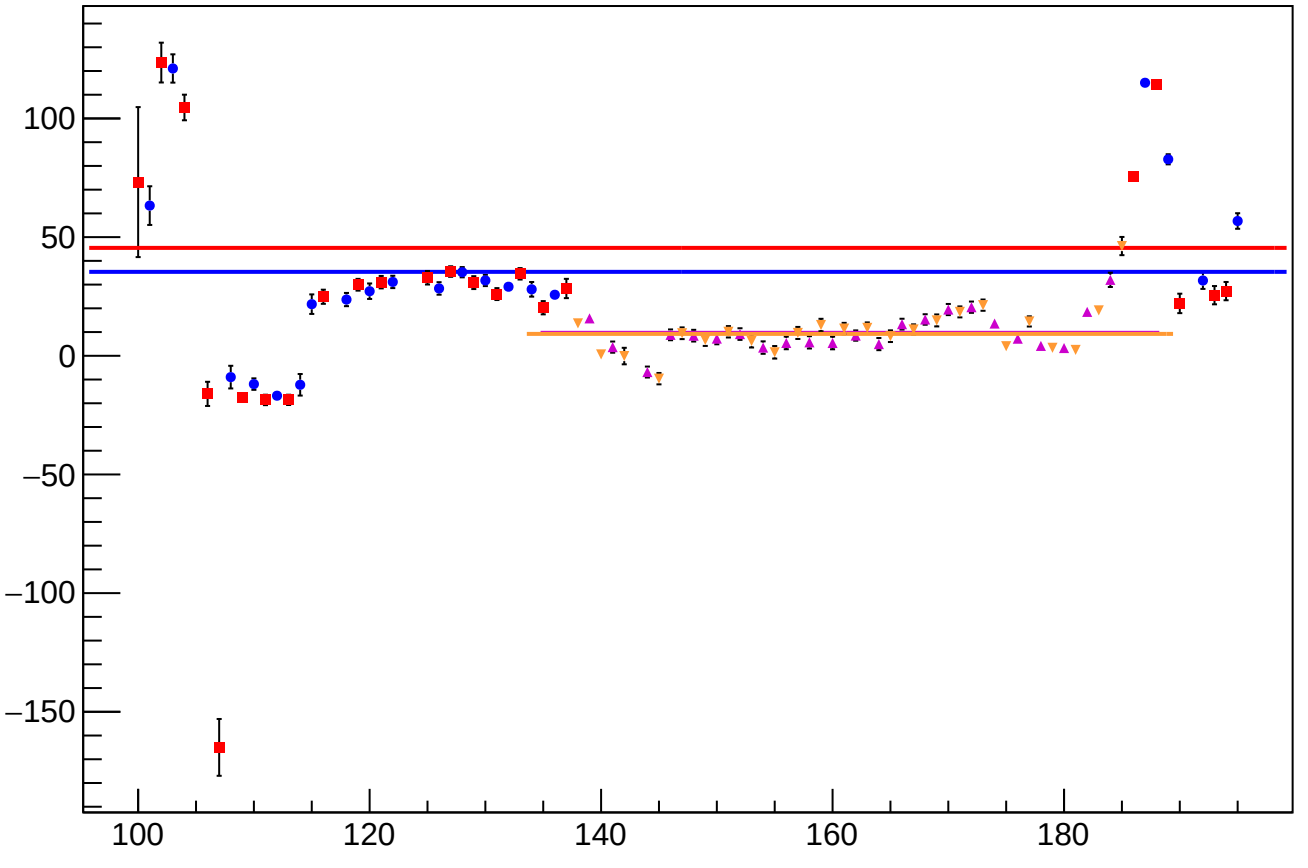
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 51.101+/-0.030 χ^2/NDF: 2367396.9/42

In: 83.072+/-0.025 χ^2/NDF:2276822.4/42

Out: 83.026+/-0.025 χ^2/NDF:2066776.4/46

All: 83.049+/-0.018 χ^2/NDF: 4343600.6/89



Right In: 35.370+/-0.601 χ^2/NDF: 3688.2/19

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 45.468+/-0.523 χ^2/NDF: 7778.4/22

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

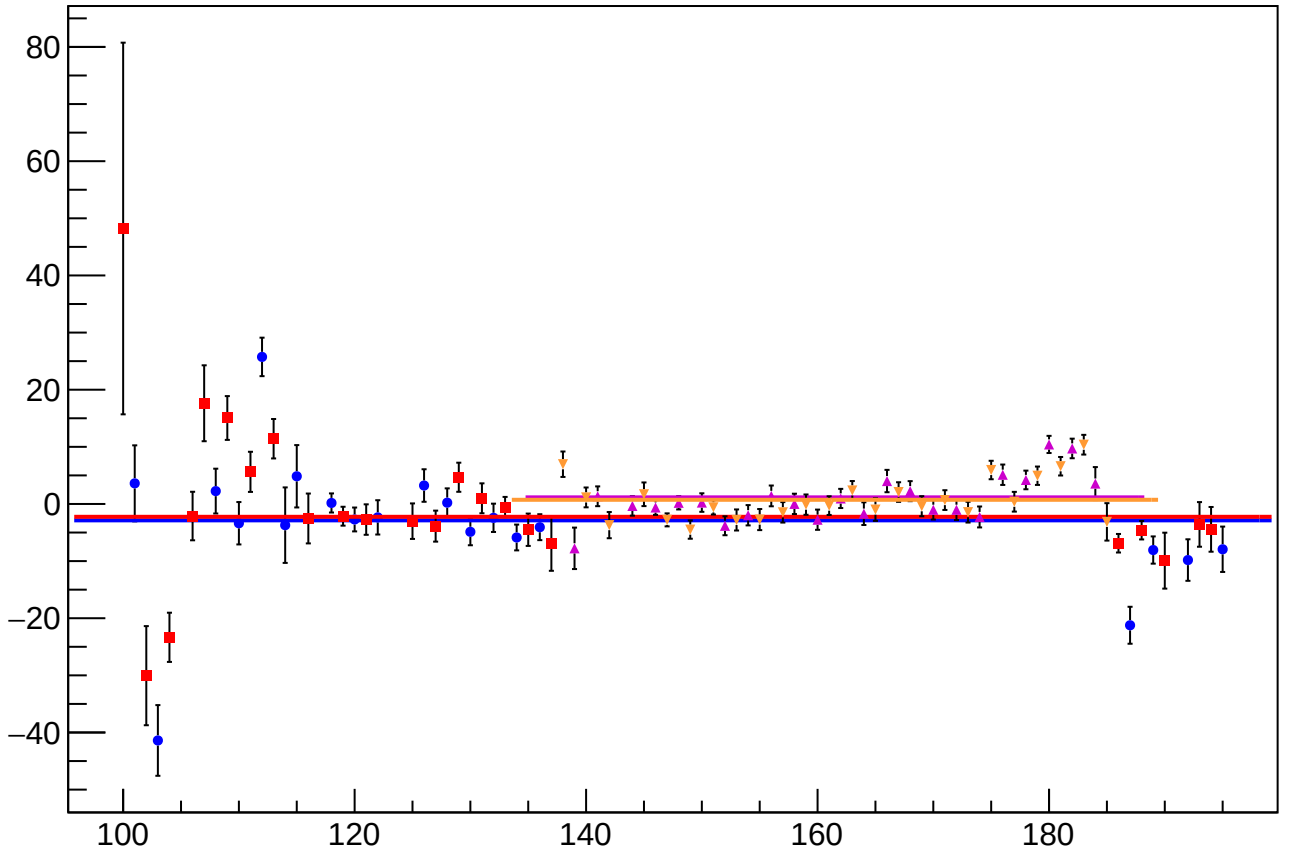
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 41.118+/-0.395 χ^2/NDF: 11627.0/42

In: 19.220+/-0.367 χ^2/NDF:5082.0/42

Out: 24.888+/-0.344 χ^2/NDF:10830.0/46

All: 22.234+/-0.251 χ^2/NDF: 16039.1/89



Right In: -2.869+/-0.638 χ^2/NDF: 170.1/19

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.247+/-0.587 χ^2/NDF: 111.7/22

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

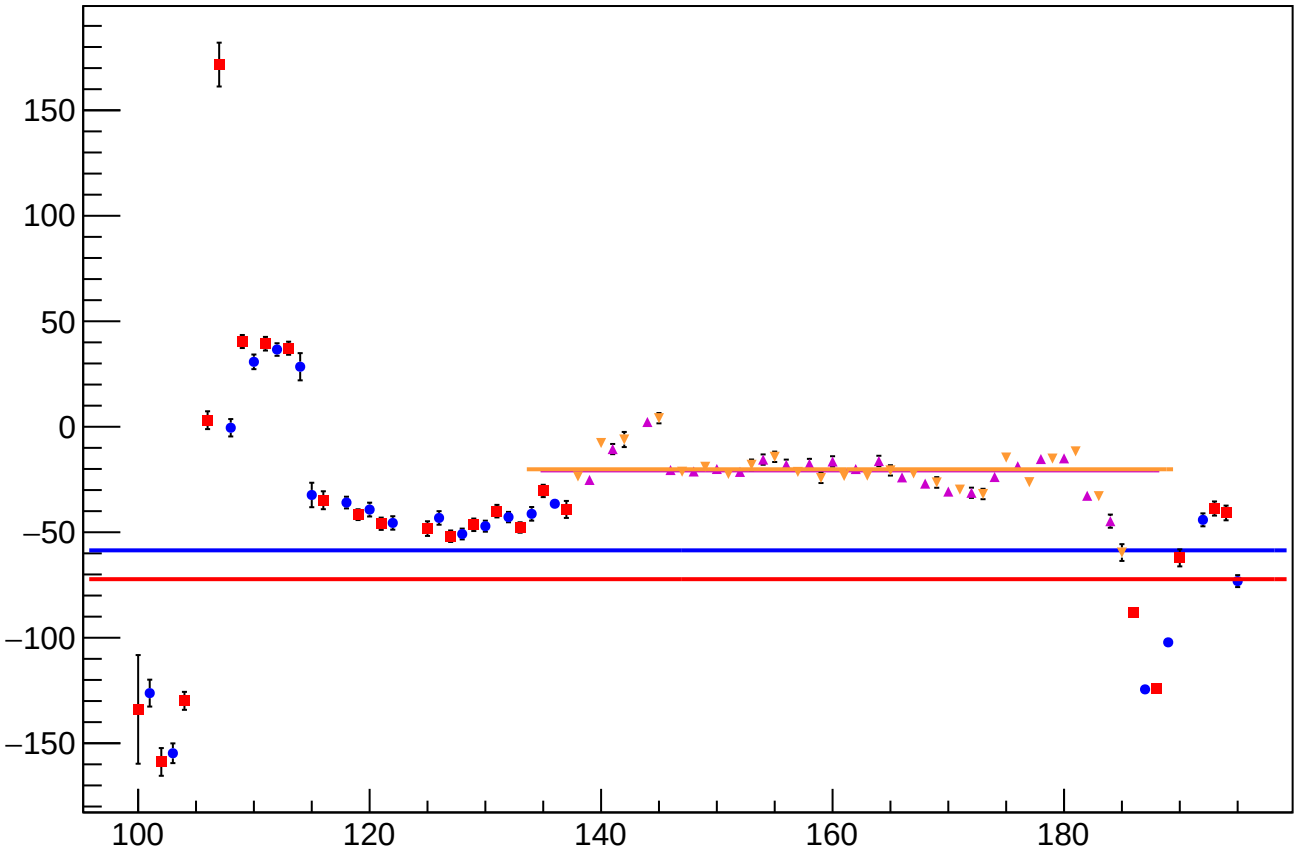
Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

Right: -2.532+/-0.432 χ^2/NDF: 282.4/42

In: 0.194+/-0.312 χ^2/NDF:310.9/42

Out: -0.049+/-0.300 χ^2/NDF:240.4/46

All: 0.068+/-0.216 χ^2/NDF: 551.6/89



Right In: -58.577+/-0.628 χ^2/NDF: 5268.4/19

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -72.238+/-0.511 χ^2/NDF: 9442.4/22

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

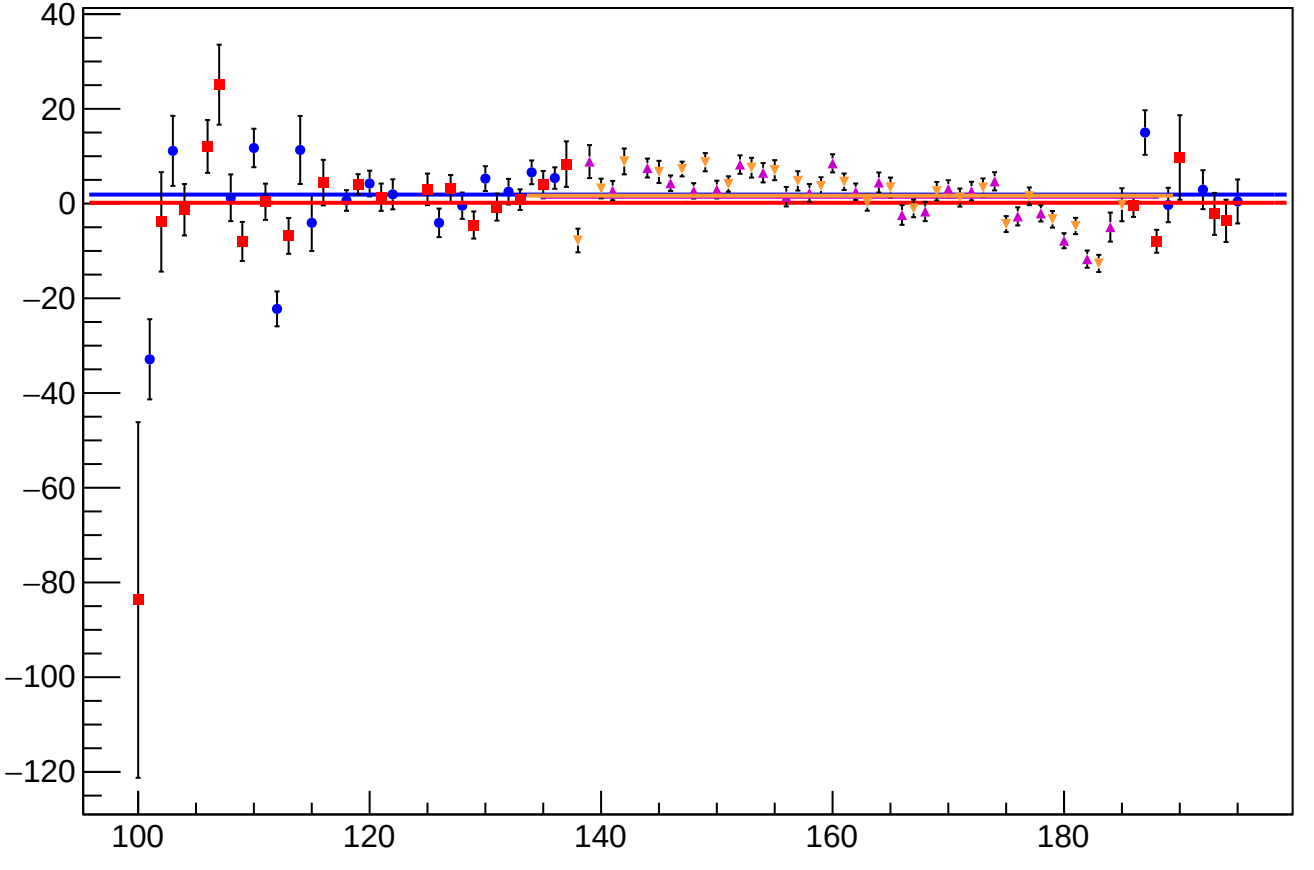
Right: -66.794+/-0.396 χ^2/NDF: 14995.8/42

In: -33.839+/-0.370 χ^2/NDF:7959.4/42

Out: -43.052+/-0.339 χ^2/NDF:15689.9/46

All: -38.849+/-0.250 χ^2/NDF: 23986.9/89

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.897+/-0.745 χ^2/NDF: 91.7/19

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.169+/-0.714 χ^2/NDF: 53.0/22

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

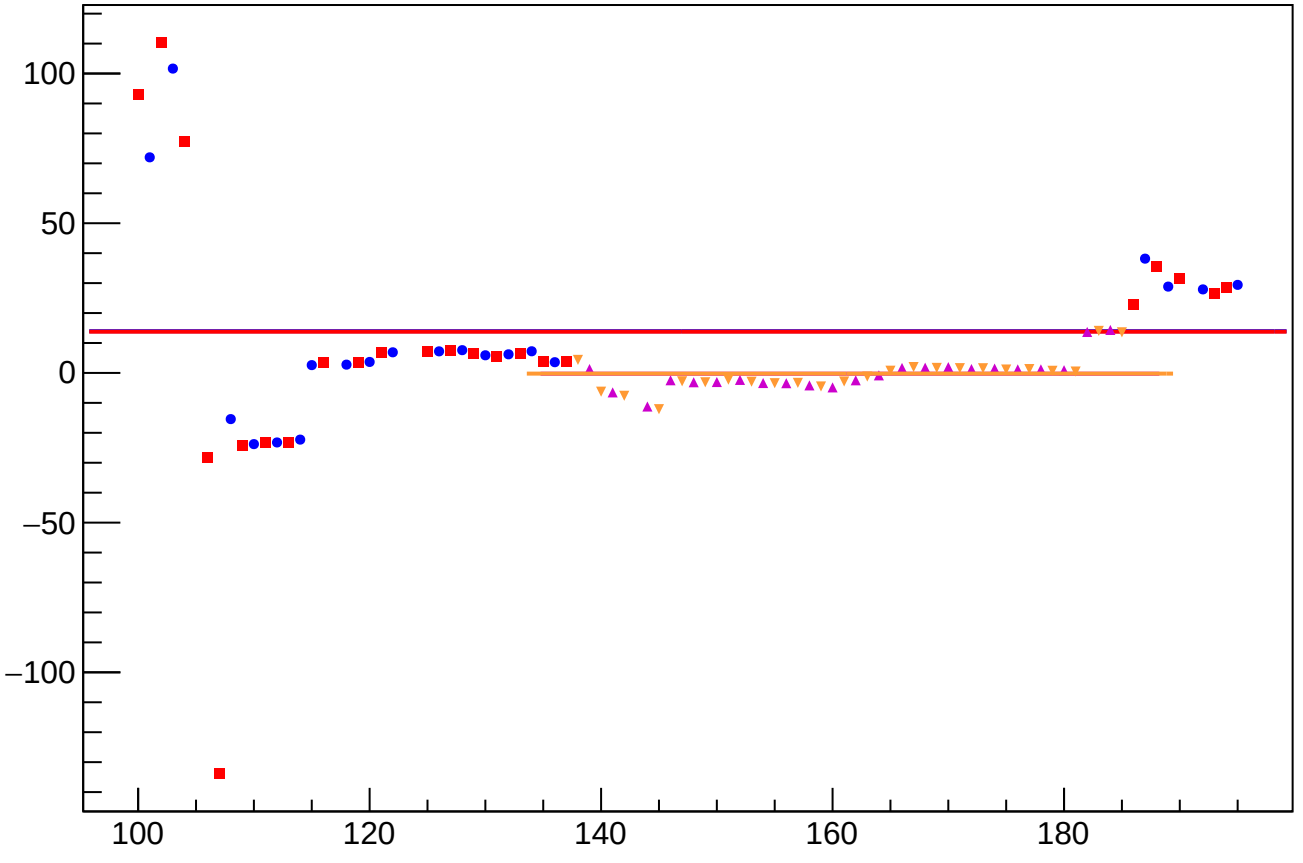
Right: 0.996+/-0.516 χ^2/NDF: 147.5/42

In: 1.534+/-0.354 χ^2/NDF:254.8/42

Out: 1.319+/-0.346 χ^2/NDF:234.4/46

All: 1.424+/-0.247 χ^2/NDF: 489.3/89

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.940+/-0.041 χ^2/NDF: 367576.3/19

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 13.778+/-0.041 χ^2/NDF: 535315.1/22

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

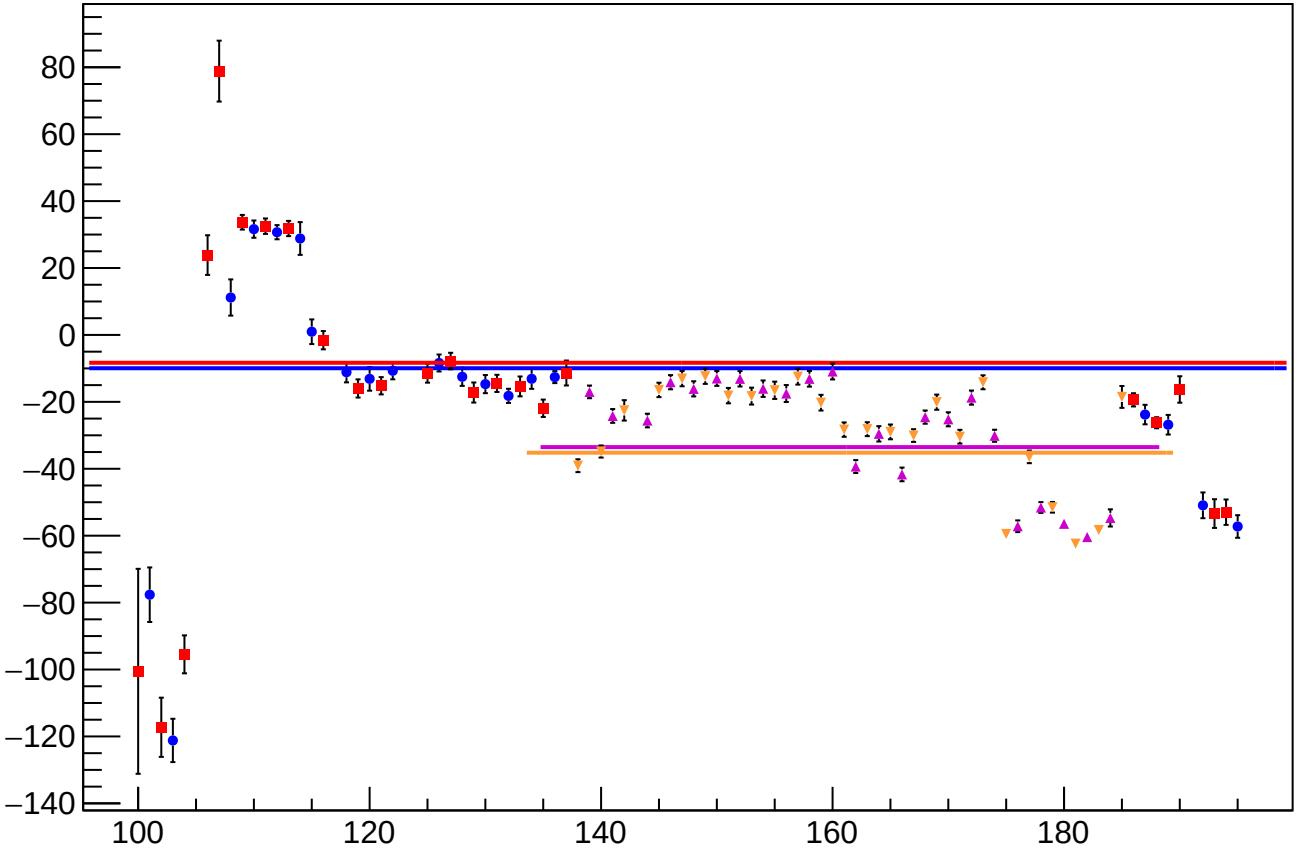
Right: 13.858+/-0.029 χ^2/NDF: 902899.2/42

In: 1.943+/-0.016 χ^2/NDF:540294.1/42

Out: 1.961+/-0.016 χ^2/NDF:714887.1/46

All: 1.952+/-0.011 χ^2/NDF: 1255181.9/89

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.954+/-0.650 χ^2/NDF: 1466.9/19

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -8.319+/-0.599 χ^2/NDF: 1980.6/22

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

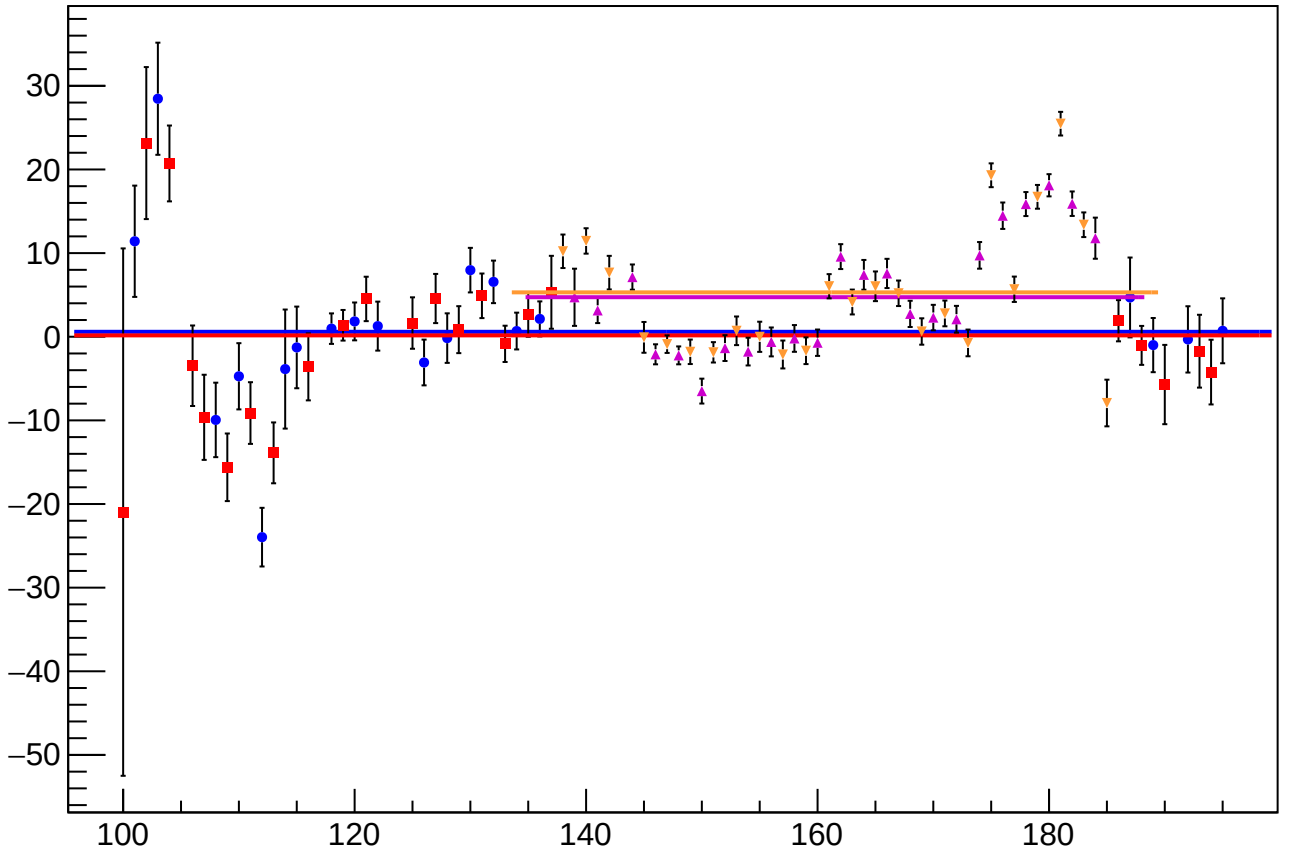
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

Right: -9.069+/-0.441 χ^2/NDF: 3450.9/42

In: -26.738+/-0.349 χ^2/NDF:4208.4/42

Out: -26.672+/-0.337 χ^2/NDF:5207.5/46

All: -26.704+/-0.243 χ^2/NDF: 9415.9/89



Right In: 0.591+/-0.680 χ^2/NDF: 93.9/19

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: 0.162+/-0.664 χ^2/NDF: 84.1/22

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

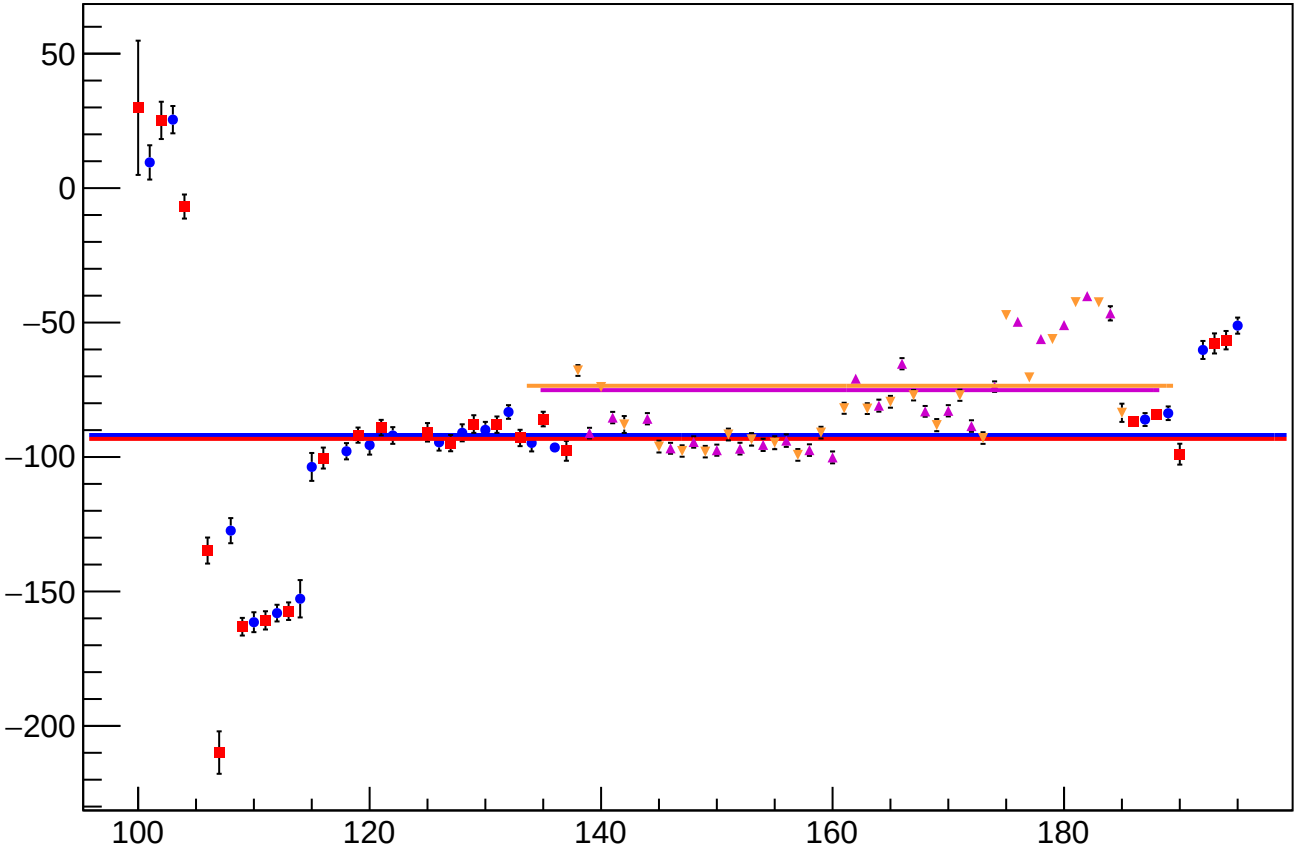
Right: 0.371+/-0.475 χ^2/NDF: 178.2/42

In: 3.973+/-0.290 χ^2/NDF:620.1/42

Out: 4.362+/-0.285 χ^2/NDF:757.5/46

All: 4.171+/-0.203 χ^2/NDF: 1378.5/89

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.817+/-0.699 χ^2/NDF: 2050.6/19

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -93.255+/-0.619 χ^2/NDF: 2506.4/22

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

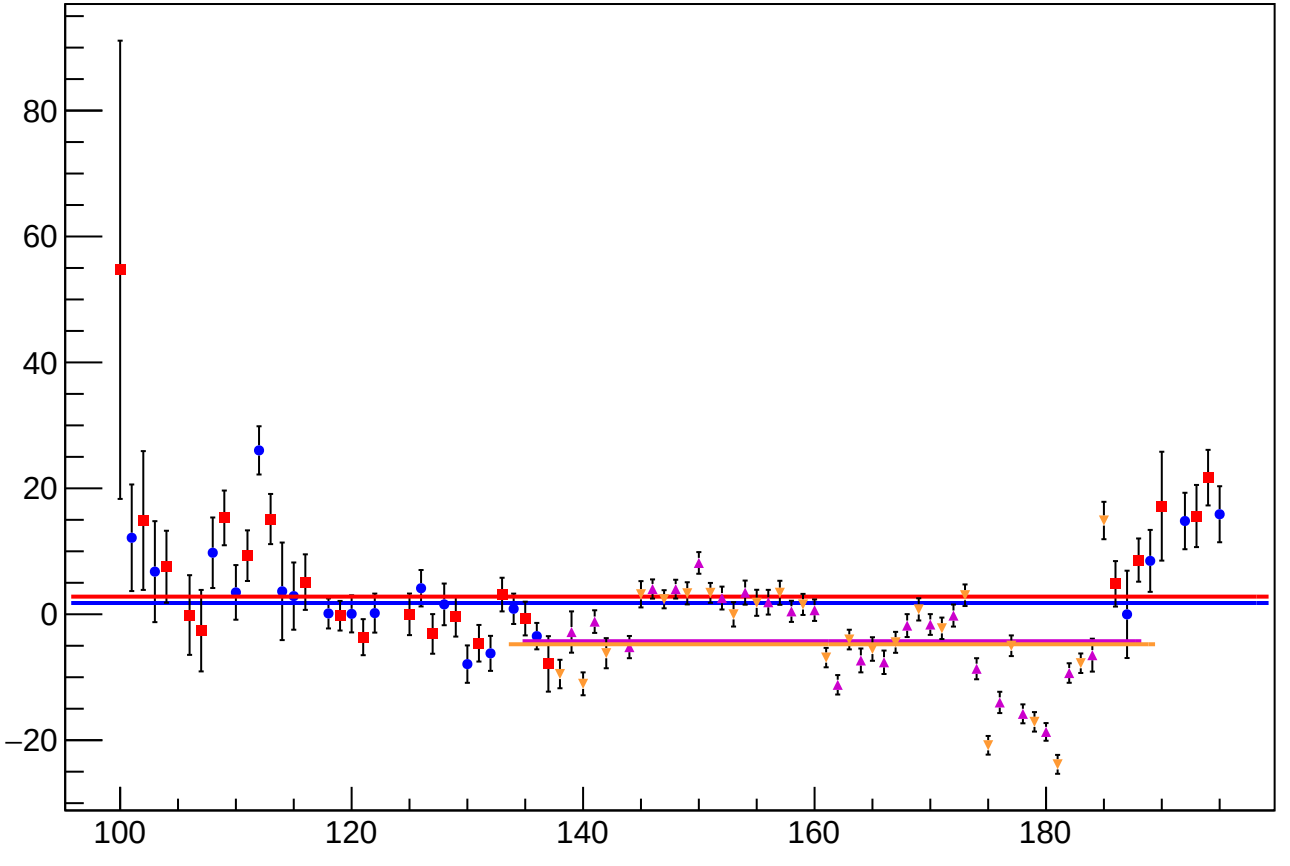
Right: -92.624+/-0.463 χ^2/NDF: 4559.4/42

In: -79.400+/-0.354 χ^2/NDF:4836.0/42

Out: -79.435+/-0.339 χ^2/NDF:5611.2/46

All: -79.418+/-0.245 χ^2/NDF: 10447.2/89

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.790+/-0.780 χ^2/NDF: 91.7/19

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 2.802+/-0.783 χ^2/NDF: 82.7/22

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

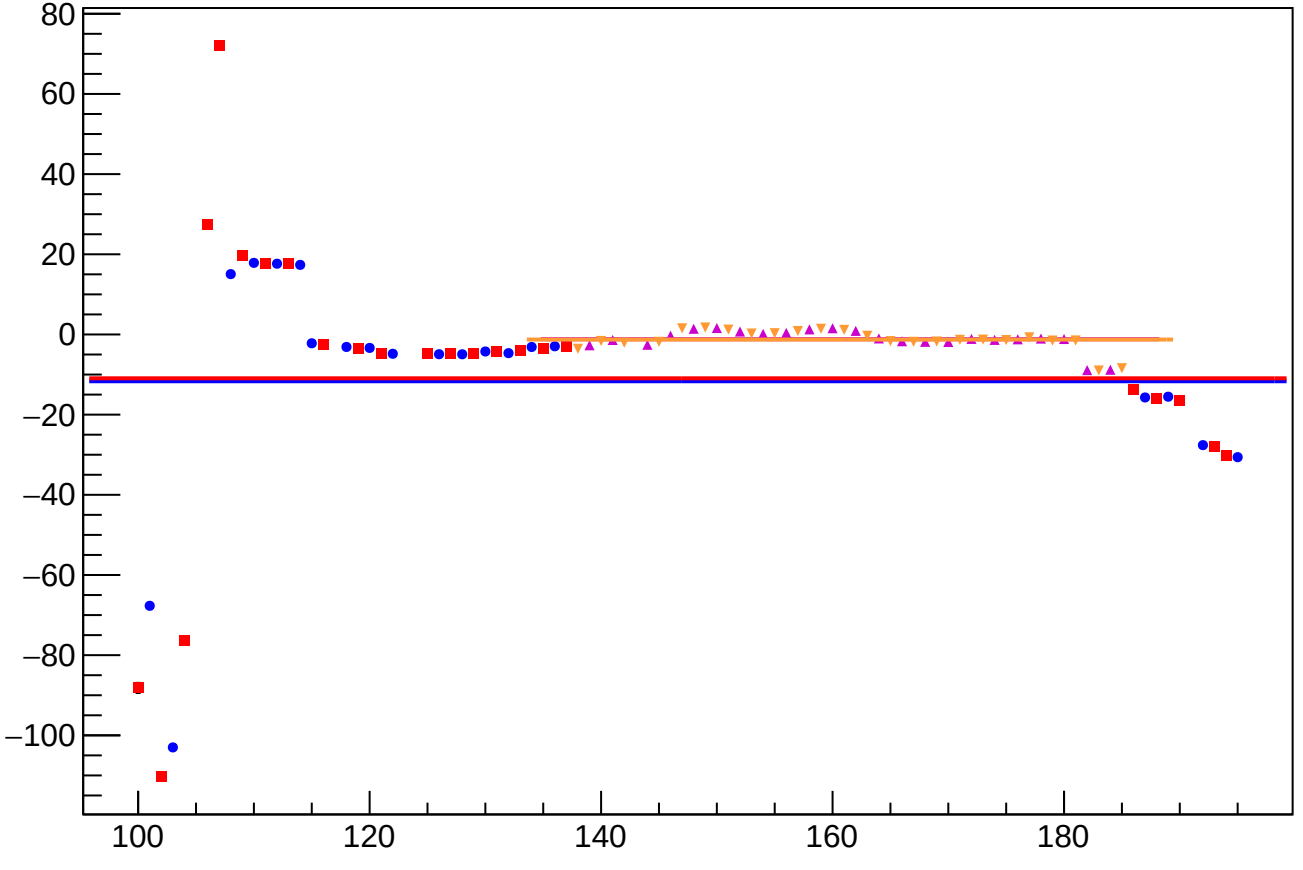
Right: 2.294+/-0.553 χ^2/NDF: 175.2/42

In: -3.207+/-0.328 χ^2/NDF:565.7/42

Out: -3.474+/-0.323 χ^2/NDF:737.0/46

All: -3.342+/-0.230 χ^2/NDF: 1303.1/89

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.667+/-0.042 χ^2/NDF: 308611.8/19

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -10.938+/-0.044 χ^2/NDF: 388881.7/22

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

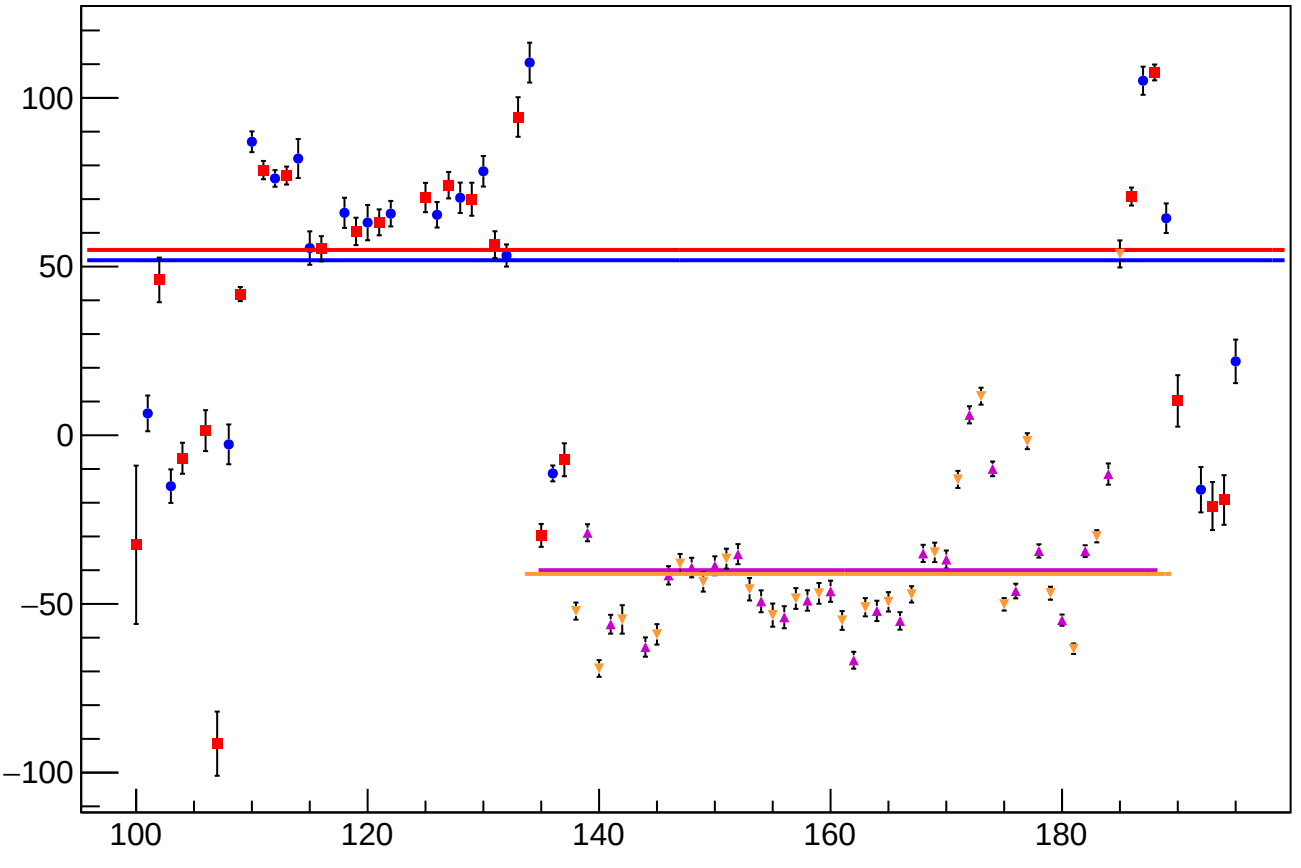
Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

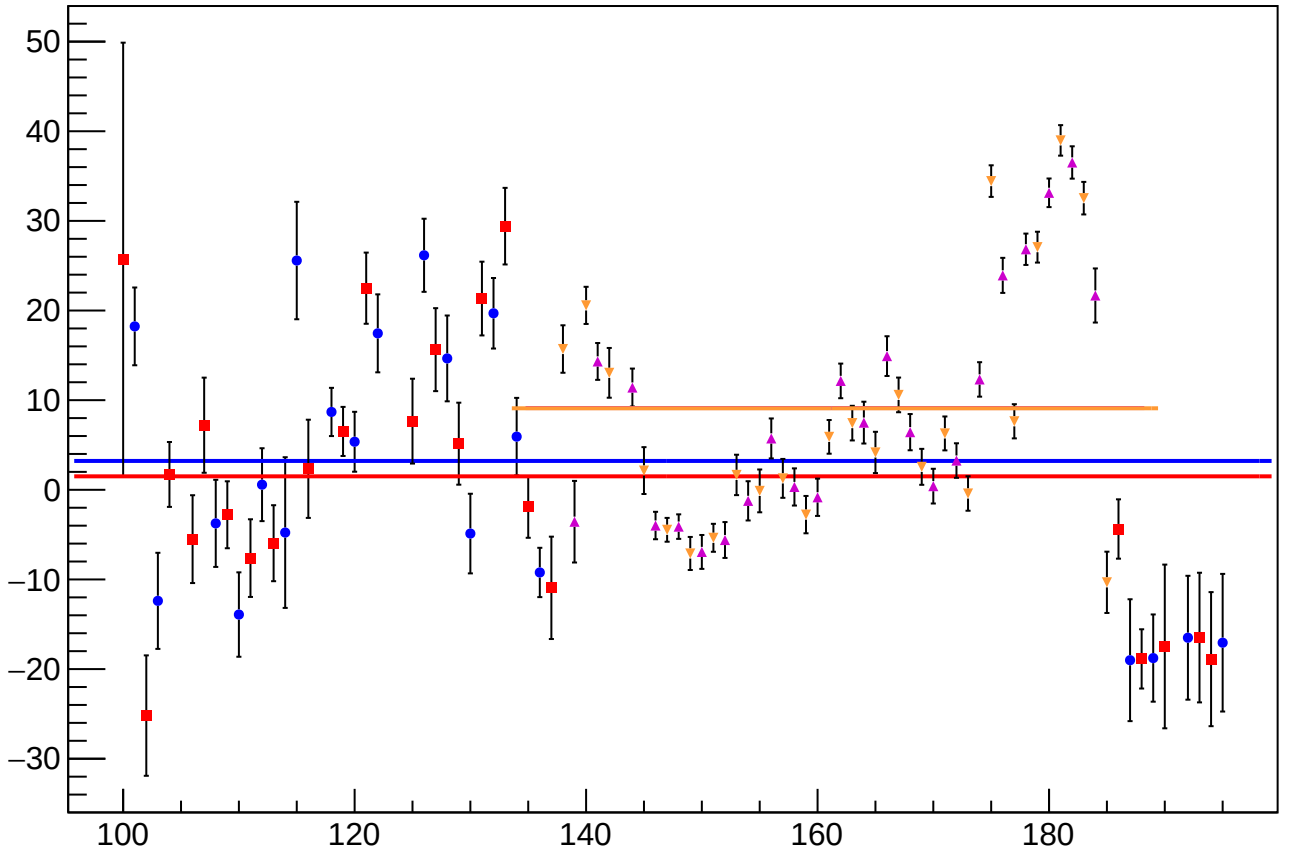
Right: -11.315+/-0.030 χ^2/NDF: 697638.3/42

In: -2.496+/-0.015 χ^2/NDF:387581.6/42

Out: -2.399+/-0.015 χ^2/NDF:457474.7/46

All: -2.448+/-0.011 χ^2/NDF: 845077.4/89


reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
Right In: 51.882+/-0.902 χ²/NDF: 1800.5/19
Left Out: -41.097+/-0.517 χ²/NDF:1948.2/23
Right Out: 54.940+/-0.797 χ²/NDF: 2359.1/22
Left In: -40.000+/-0.524 χ²/NDF:1031.8/22
Left: -40.556+/-0.368 χ²/NDF: 2982.2/46
Right: 53.599+/-0.597 χ²/NDF: 4166.0/42
In: -16.801+/-0.453 χ²/NDF:10587.1/42
Out: -12.639+/-0.434 χ²/NDF:14518.2/46
All: -14.629+/-0.313 χ²/NDF: 25149.3/89



Right In: 3.220+/-0.971 χ^2/NDF: 189.3/19

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 1.503+/-0.917 χ^2/NDF: 202.5/22

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

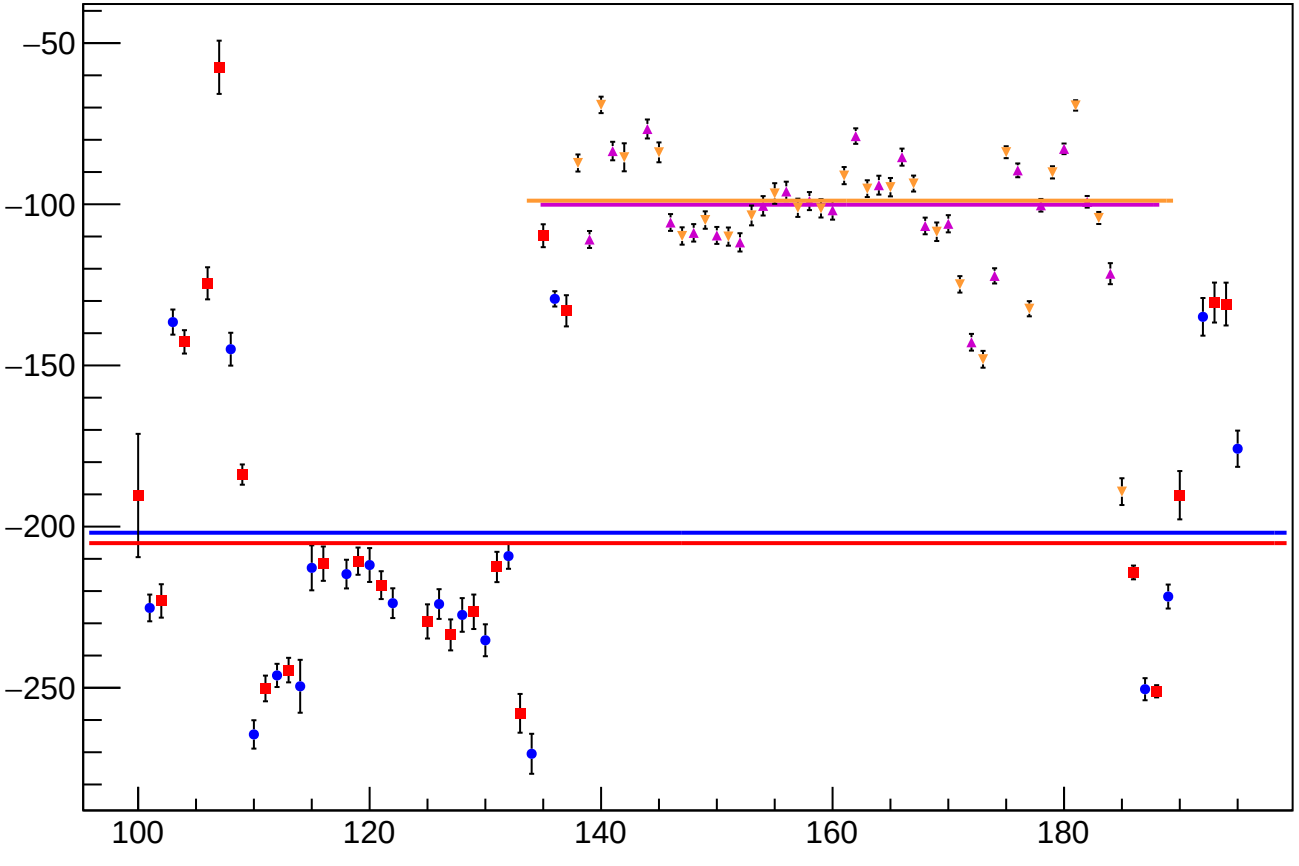
Right: 2.313+/-0.667 χ^2/NDF: 393.5/42

In: 8.232+/-0.377 χ^2/NDF:1272.5/42

Out: 7.875+/-0.368 χ^2/NDF:1513.7/46

All: 8.049+/-0.263 χ^2/NDF: 2786.6/89

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.899+/-0.967 χ^2/NDF: 2393.1/19

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -205.126+/-0.839 χ^2/NDF: 3157.0/22

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

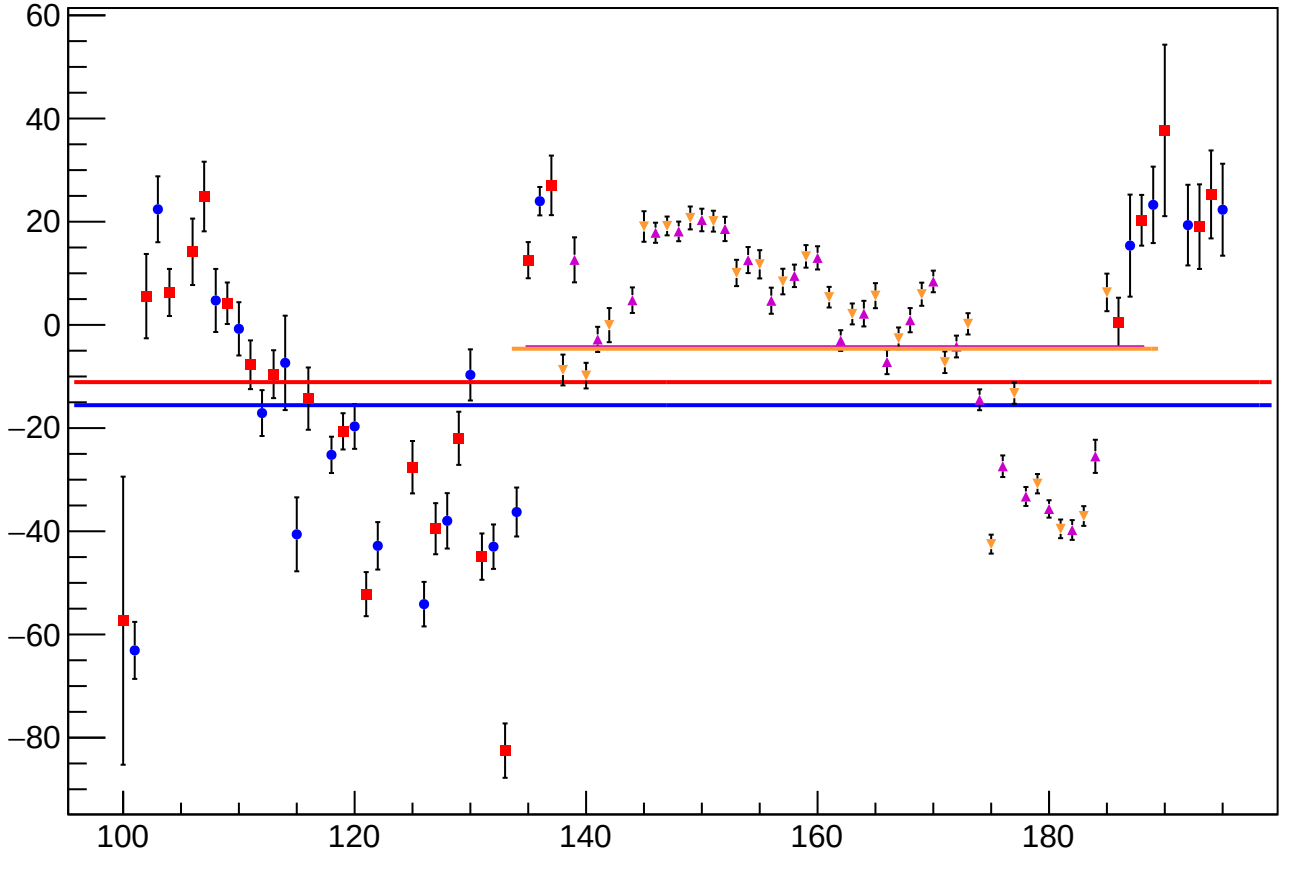
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -203.740+/-0.633 χ^2/NDF: 5556.5/42

In: -122.975+/-0.458 χ^2/NDF:11813.3/42

Out: -127.907+/-0.438 χ^2/NDF:16646.4/46

All: -125.549+/-0.317 χ^2/NDF: 28520.2/89



Right In: -15.563+/-1.117 χ^2/NDF: 625.0/19

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -11.091+/-1.080 χ^2/NDF: 644.6/22

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

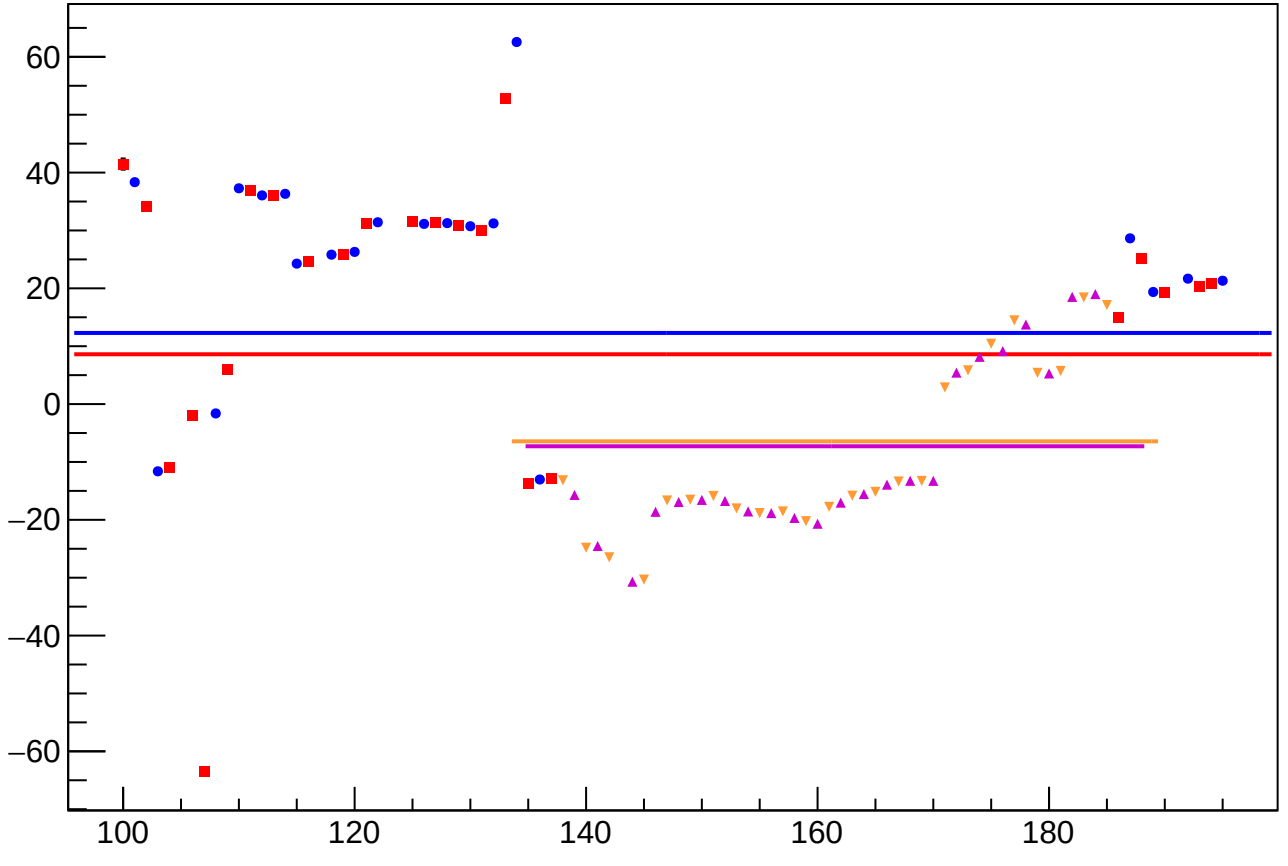
Right: -13.252+/-0.777 χ^2/NDF: 1277.8/42

In: -5.950+/-0.424 χ^2/NDF:2565.7/42

Out: -5.580+/-0.416 χ^2/NDF:2753.4/46

All: -5.761+/-0.297 χ^2/NDF: 5319.5/89

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 12.293+/-0.058 χ^2/NDF: 169442.6/19

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 8.607+/-0.057 χ^2/NDF: 167048.8/22

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

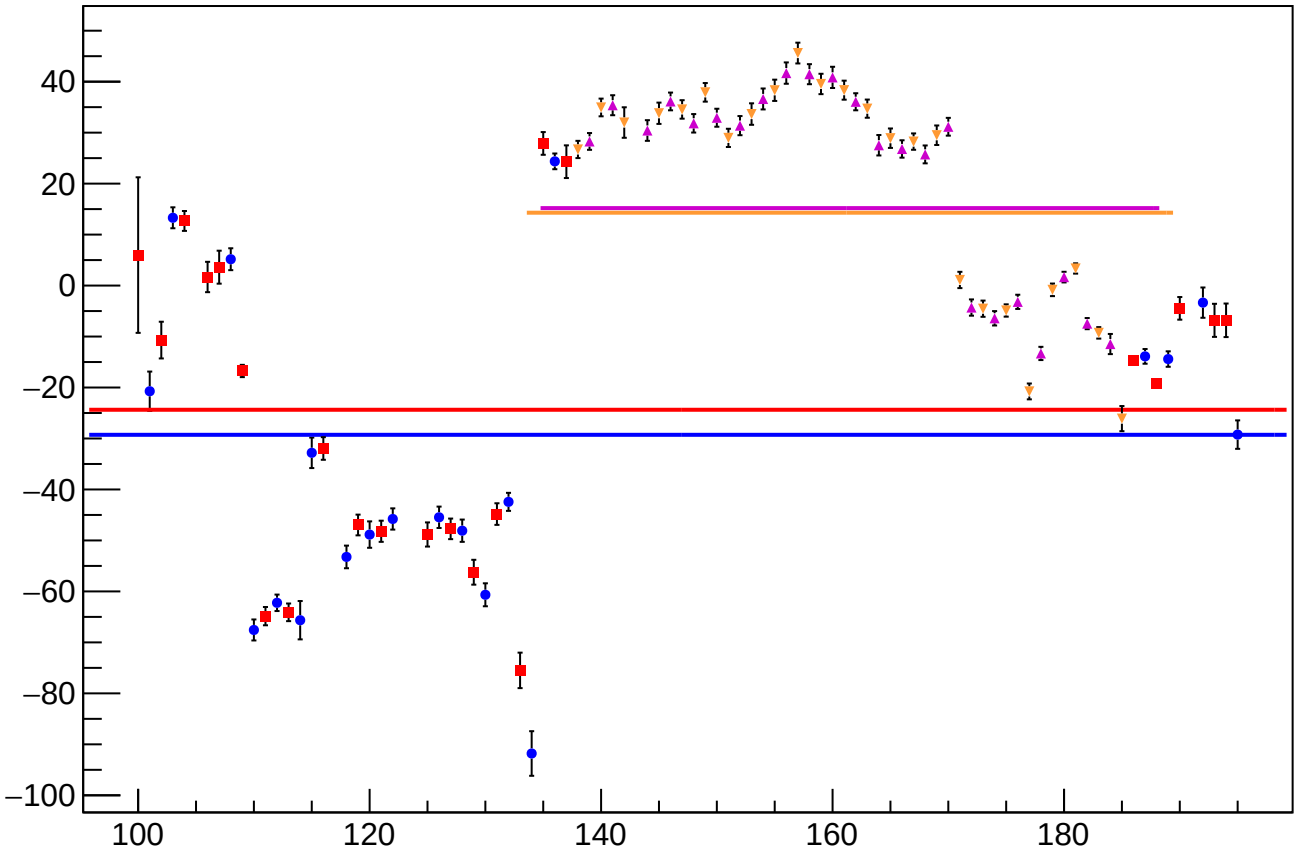
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 10.416+/-0.041 χ^2/NDF: 338539.9/42

In: -5.162+/-0.019 χ^2/NDF:758897.1/42

Out: -4.763+/-0.019 χ^2/NDF:725534.5/46

All: -4.961+/-0.014 χ^2/NDF: 1484650.5/89



Right In: -29.278+/-0.472 χ^2/NDF: 3870.6/19

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -24.364+/-0.387 χ^2/NDF: 3656.7/22

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

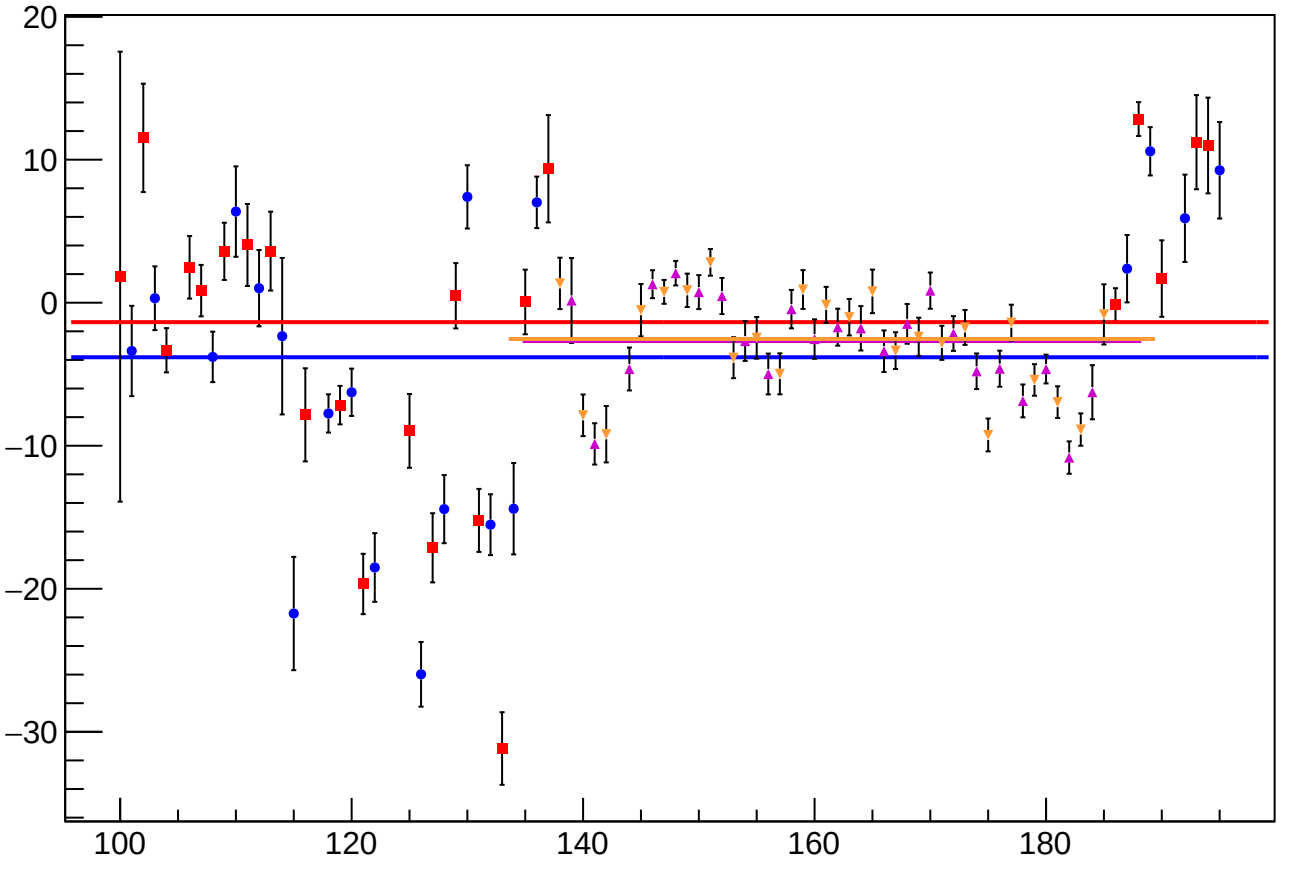
Right: -26.338+/-0.299 χ^2/NDF: 7592.2/42

In: 0.035+/-0.276 χ^2/NDF:13128.9/42

Out: -2.294+/-0.253 χ^2/NDF:13090.5/46

All: -1.227+/-0.186 χ^2/NDF: 26258.2/89

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.813+/-0.501 χ^2/NDF: 409.8/19

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.359+/-0.433 χ^2/NDF: 540.8/22

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

Right: -2.410+/-0.328 χ^2/NDF: 964.3/42

In: -2.929+/-0.234 χ^2/NDF:595.9/42

Out: -2.227+/-0.222 χ^2/NDF:744.6/46

All: -2.560+/-0.161 χ^2/NDF: 1345.2/89

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 53.843+/-0.473 χ^2/NDF: 6577.4/19

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 47.032+/-0.369 χ^2/NDF: 5835.7/22

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

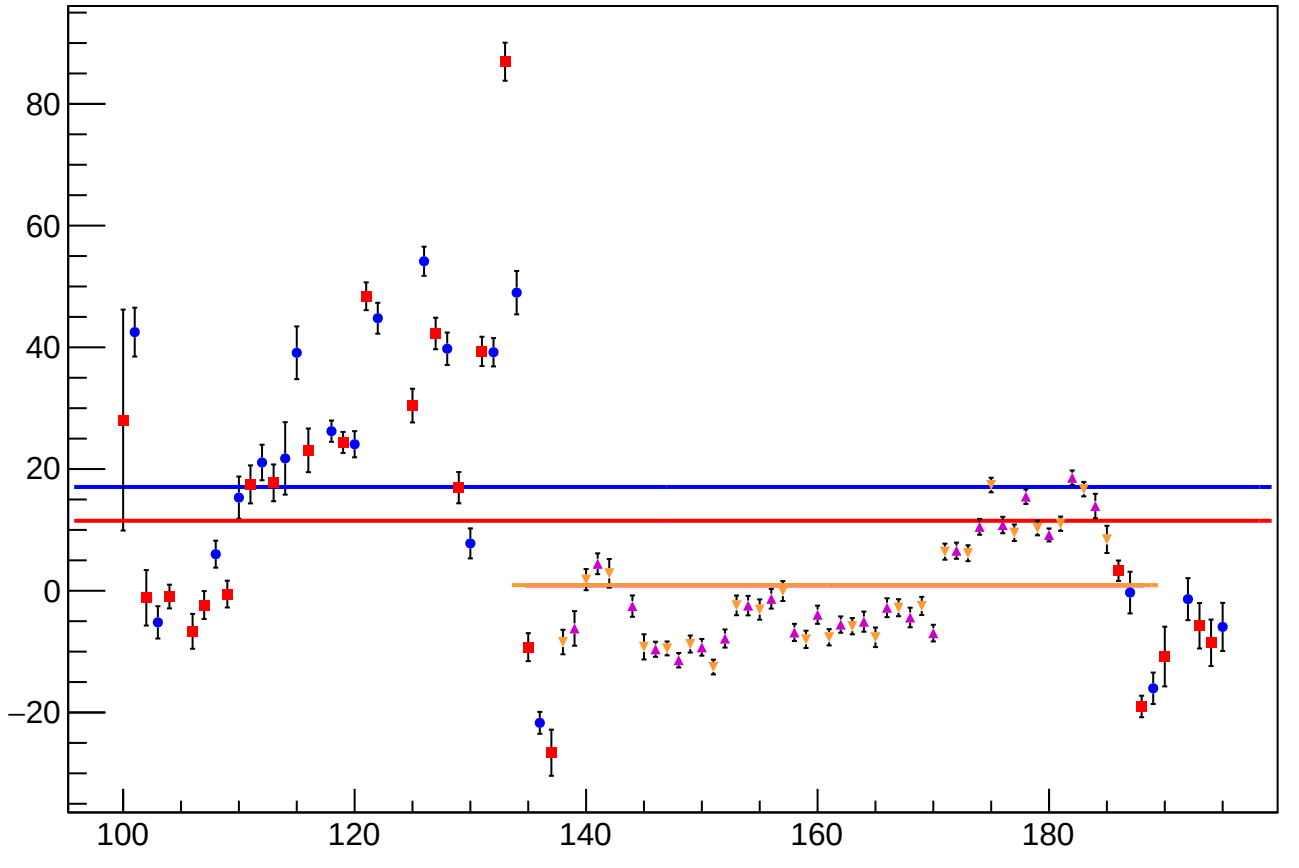
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 49.606+/-0.291 χ^2/NDF: 12542.3/42

In: 21.603+/-0.274 χ^2/NDF:16034.0/42

Out: 24.488+/-0.247 χ^2/NDF:15405.3/46

All: 23.195+/-0.184 χ^2/NDF: 31500.4/89



Right In: 17.053+/-0.595 χ^2/NDF: 1534.4/19

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 11.503+/-0.536 χ^2/NDF: 1975.0/22

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

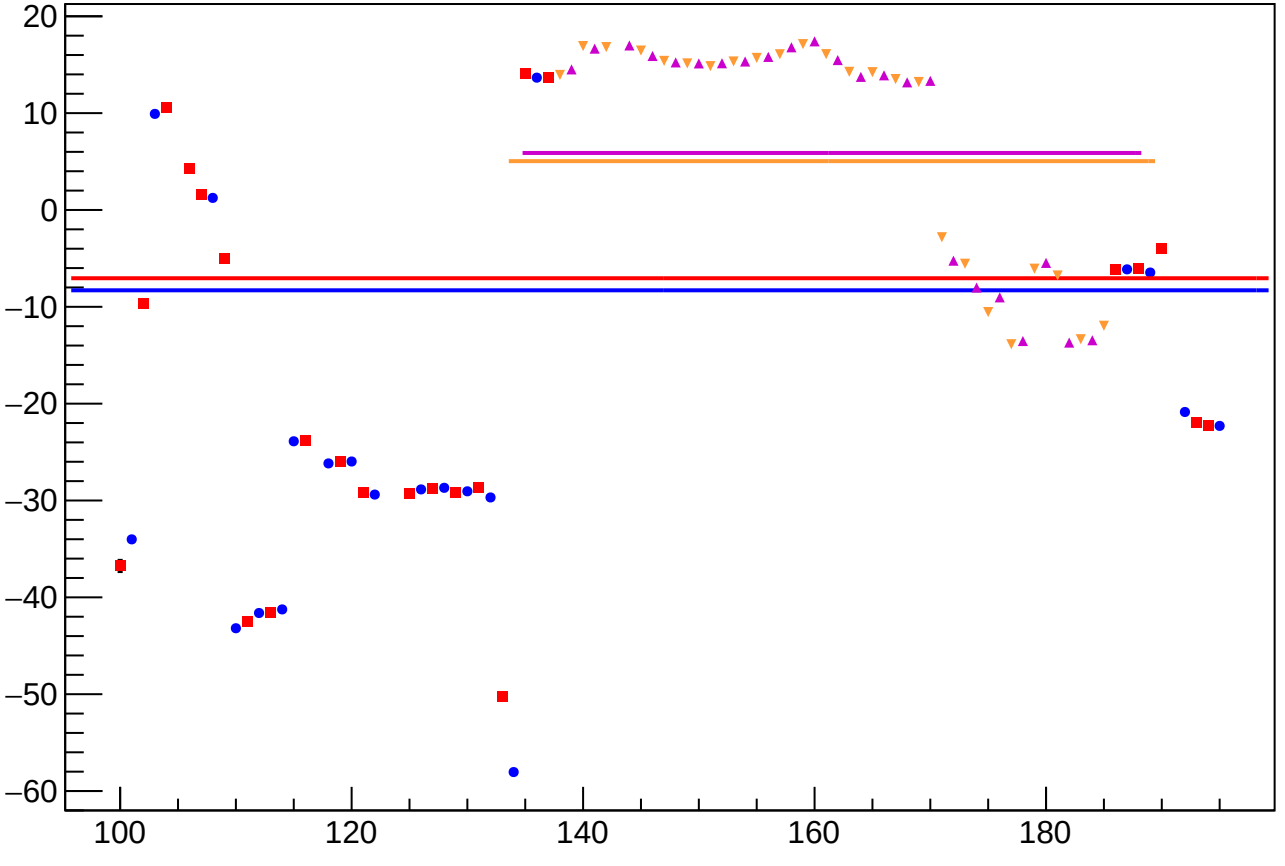
Right: 13.991+/-0.398 χ^2/NDF: 3557.4/42

In: 4.108+/-0.266 χ^2/NDF:3131.6/42

Out: 3.344+/-0.256 χ^2/NDF:3316.5/46

All: 3.712+/-0.185 χ^2/NDF: 6452.5/89

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.296+/-0.029 χ^2/NDF: 441204.8/19

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -7.049+/-0.028 χ^2/NDF: 347450.0/22

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

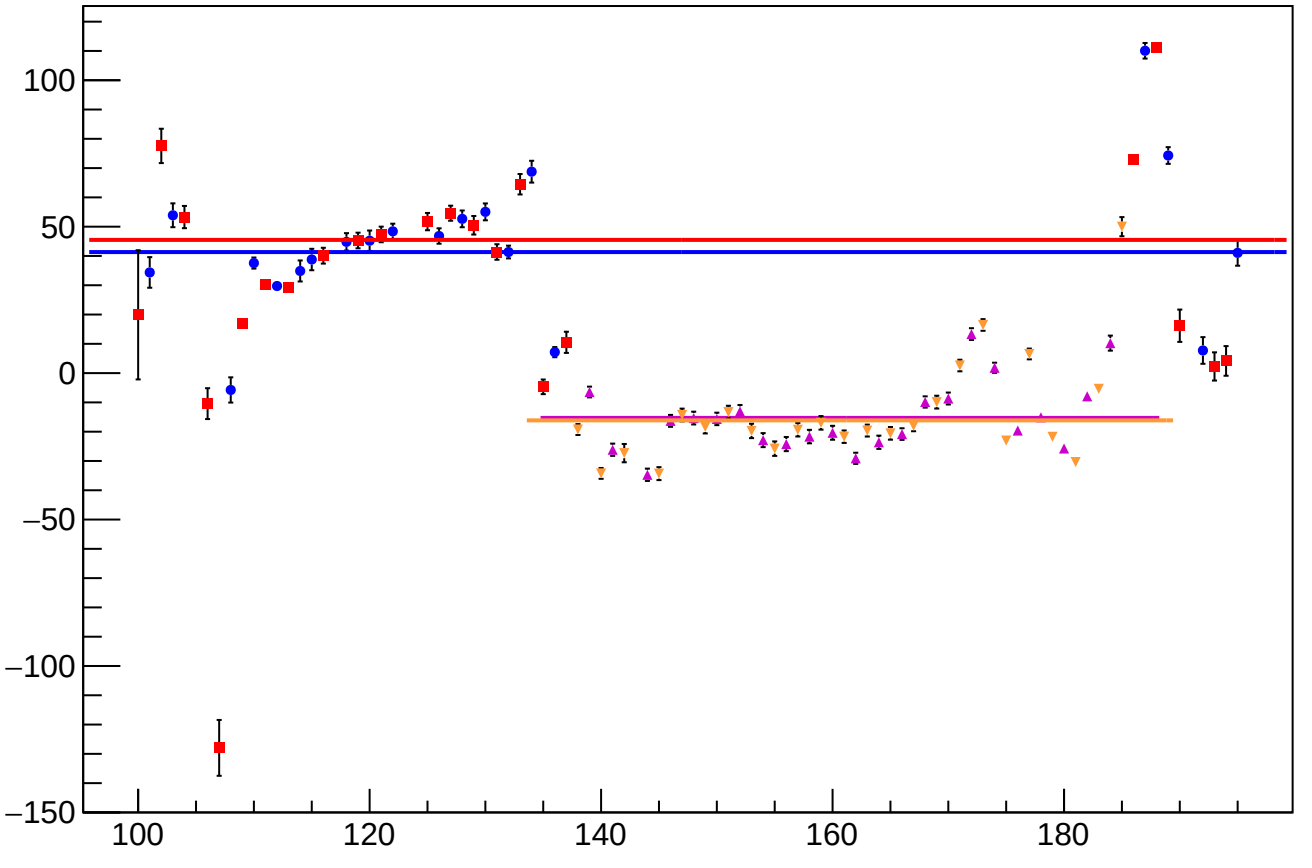
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -7.642+/-0.020 χ^2/NDF: 789593.7/42

In: 3.530+/-0.012 χ^2/NDF:1480841.4/42

Out: 2.890+/-0.012 χ^2/NDF:1355506.2/46

All: 3.206+/-0.008 χ^2/NDF: 2837788.3/89



Right In: 41.328+/-0.610 χ^2/NDF: 1538.7/19

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 45.486+/-0.542 χ^2/NDF: 3874.6/22

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

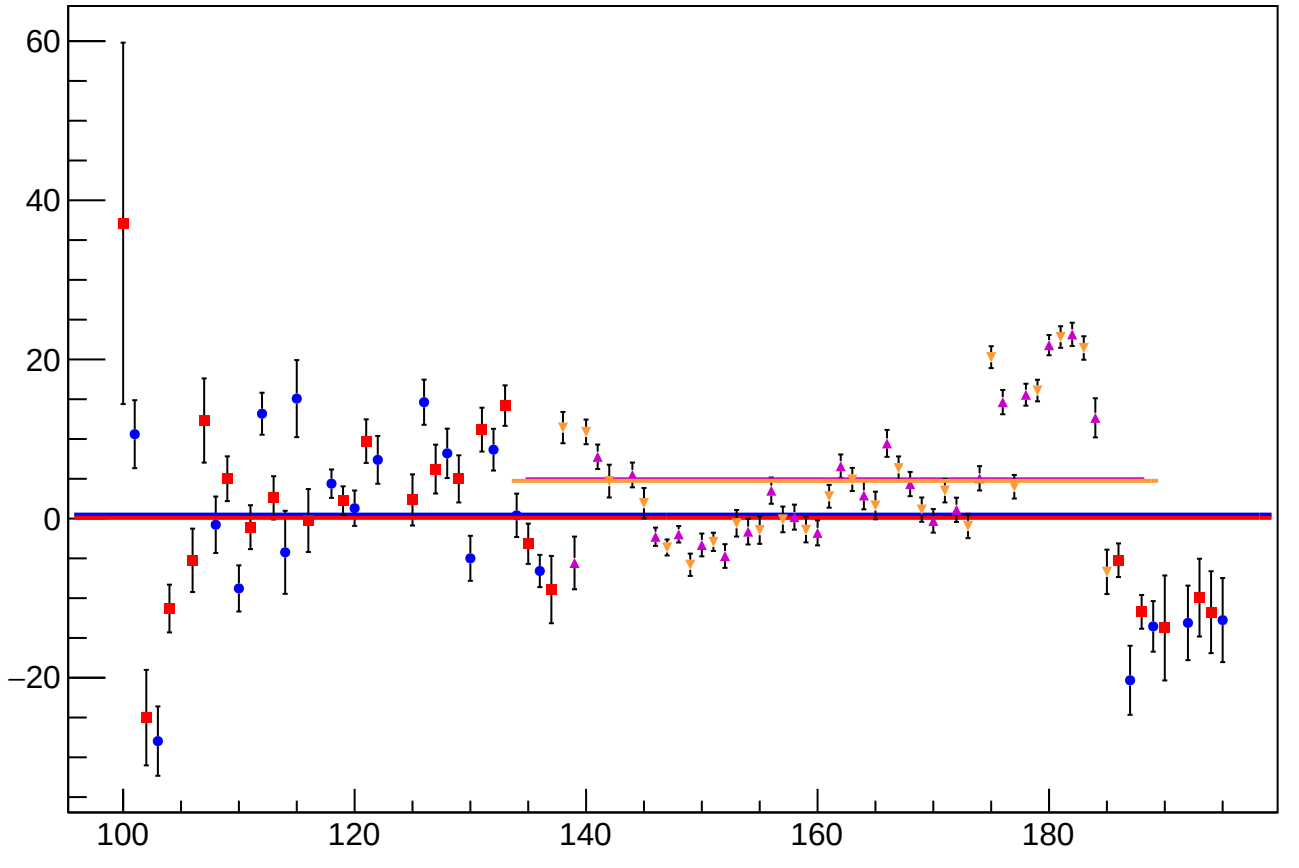
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 43.654+/-0.405 χ^2/NDF: 5439.3/42

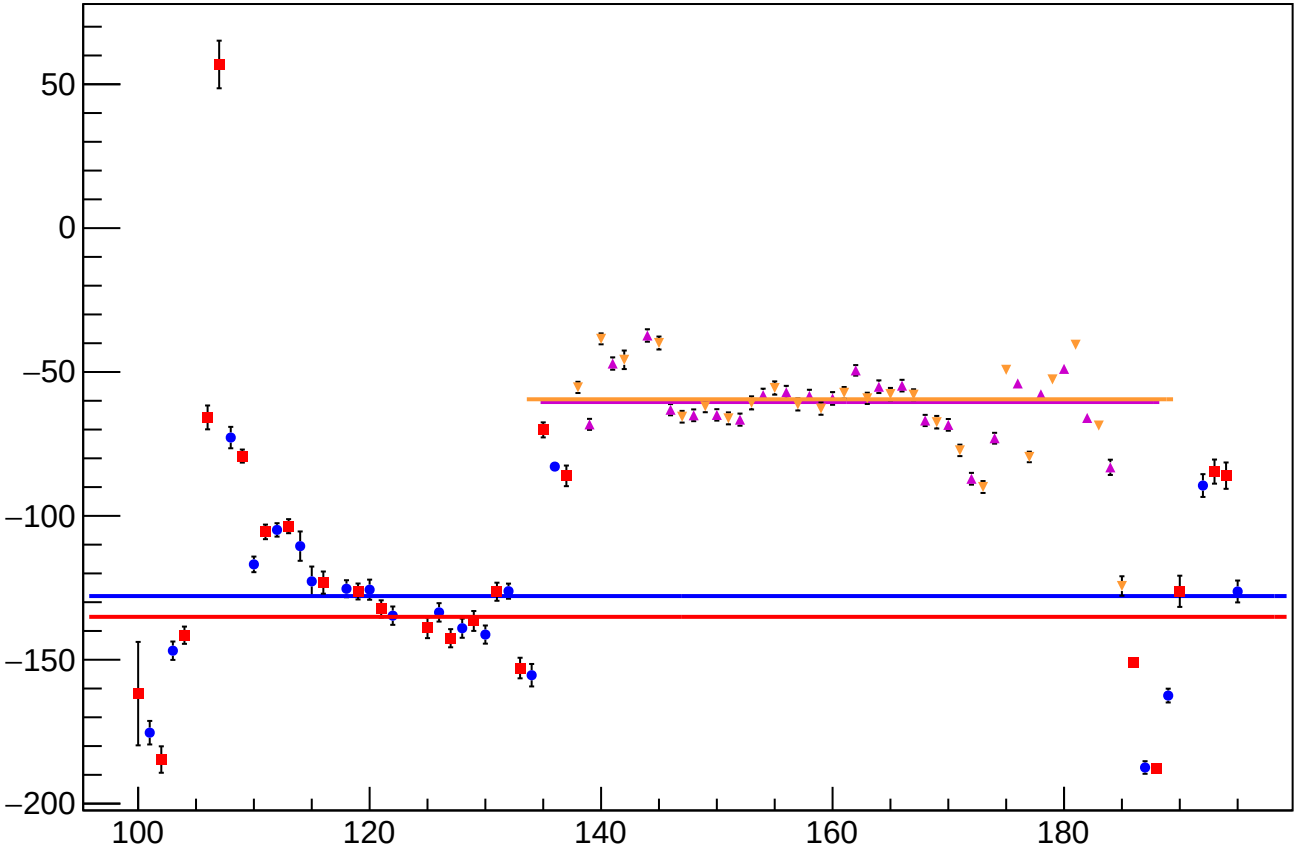
In: 1.909+/-0.336 χ^2/NDF:8291.3/42

Out: 5.458+/-0.321 χ^2/NDF:13642.2/46

All: 3.768+/-0.232 χ^2/NDF: 21991.8/89


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
120
140
160
180
Right In: 0.498+/-0.664 χ²/NDF: 215.6/19
Left Out: 4.745+/-0.307 χ²/NDF:793.8/23
Right Out: 0.092+/-0.632 χ²/NDF: 171.3/22
Left In: 4.935+/-0.313 χ²/NDF:688.4/22
Left: 4.838+/-0.219 χ²/NDF: 1482.3/46
Right: 0.285+/-0.458 χ²/NDF: 387.1/42
In: 4.129+/-0.283 χ²/NDF:940.5/42
Out: 3.859+/-0.276 χ²/NDF:1008.9/46
All: 3.990+/-0.198 χ²/NDF: 1949.9/89

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -127.871+/-0.665 χ^2/NDF: 2306.2/19

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -135.092+/-0.571 χ^2/NDF: 4974.3/22

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

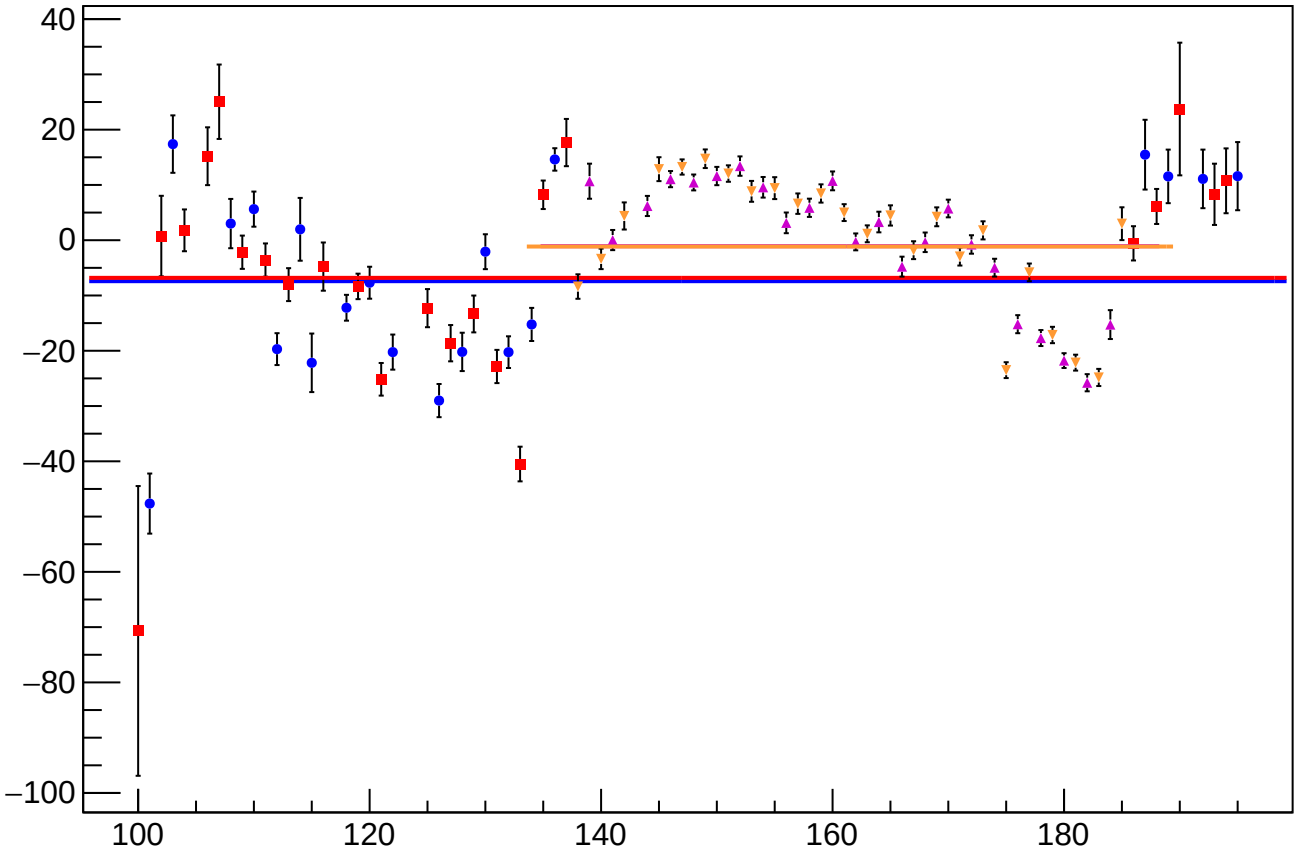
Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

Right: -132.030+/-0.433 χ^2/NDF: 7348.4/42

In: -78.318+/-0.342 χ^2/NDF:10530.1/42

Out: -83.964+/-0.325 χ^2/NDF:18216.3/46

All: -81.291+/-0.236 χ^2/NDF: 28889.5/89



Right In: -7.413+/-0.765 χ^2/NDF: 412.3/19

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -6.809+/-0.746 χ^2/NDF: 368.8/22

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

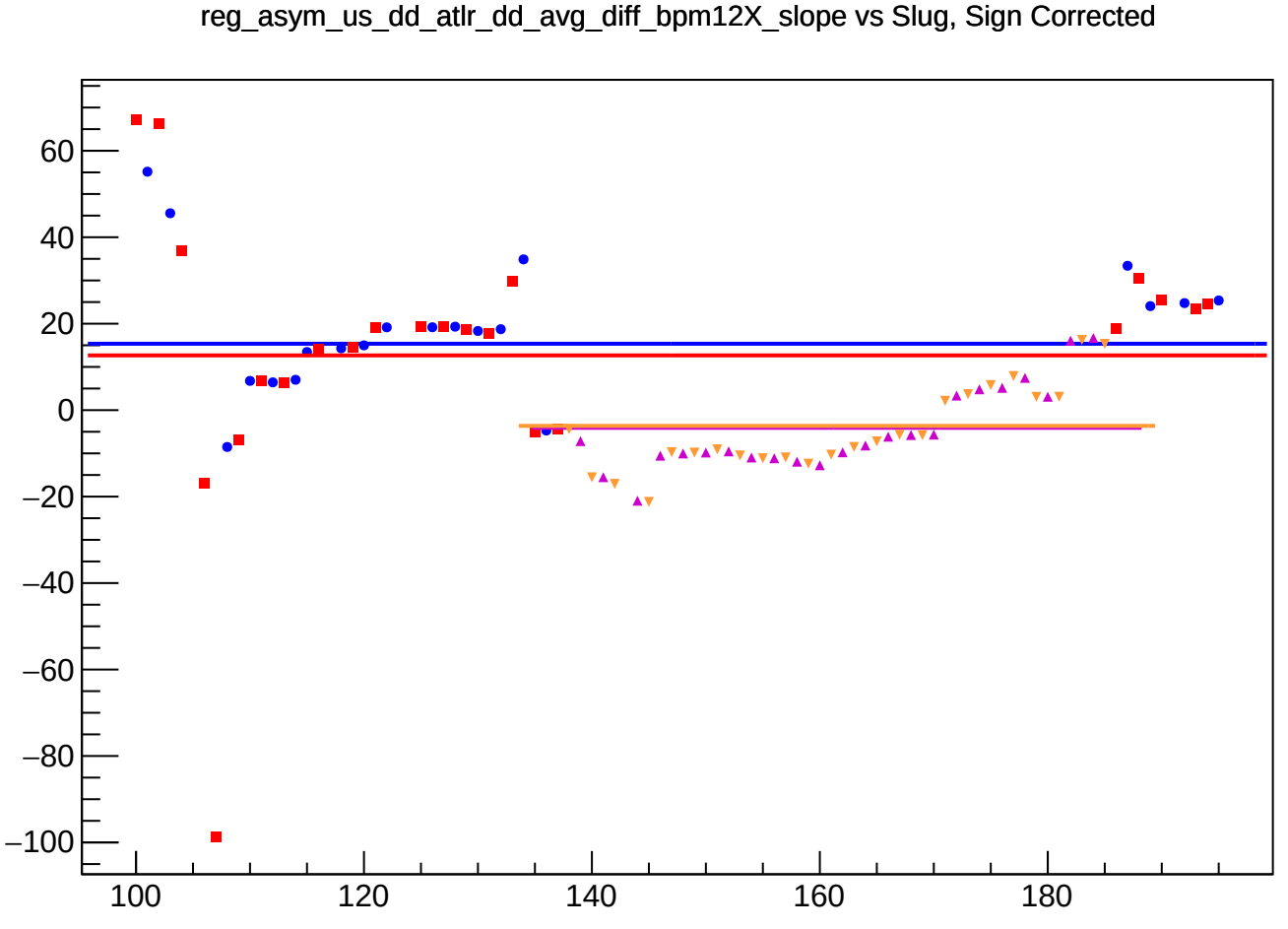
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -7.103+/-0.534 χ^2/NDF: 781.4/42

In: -2.187+/-0.320 χ^2/NDF:1626.2/42

Out: -2.144+/-0.314 χ^2/NDF:1719.2/46

All: -2.165+/-0.224 χ^2/NDF: 3345.4/89



Right In: 15.361+/-0.041 χ^2/NDF: 195804.3/19

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 12.665+/-0.042 χ^2/NDF: 319906.4/22

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

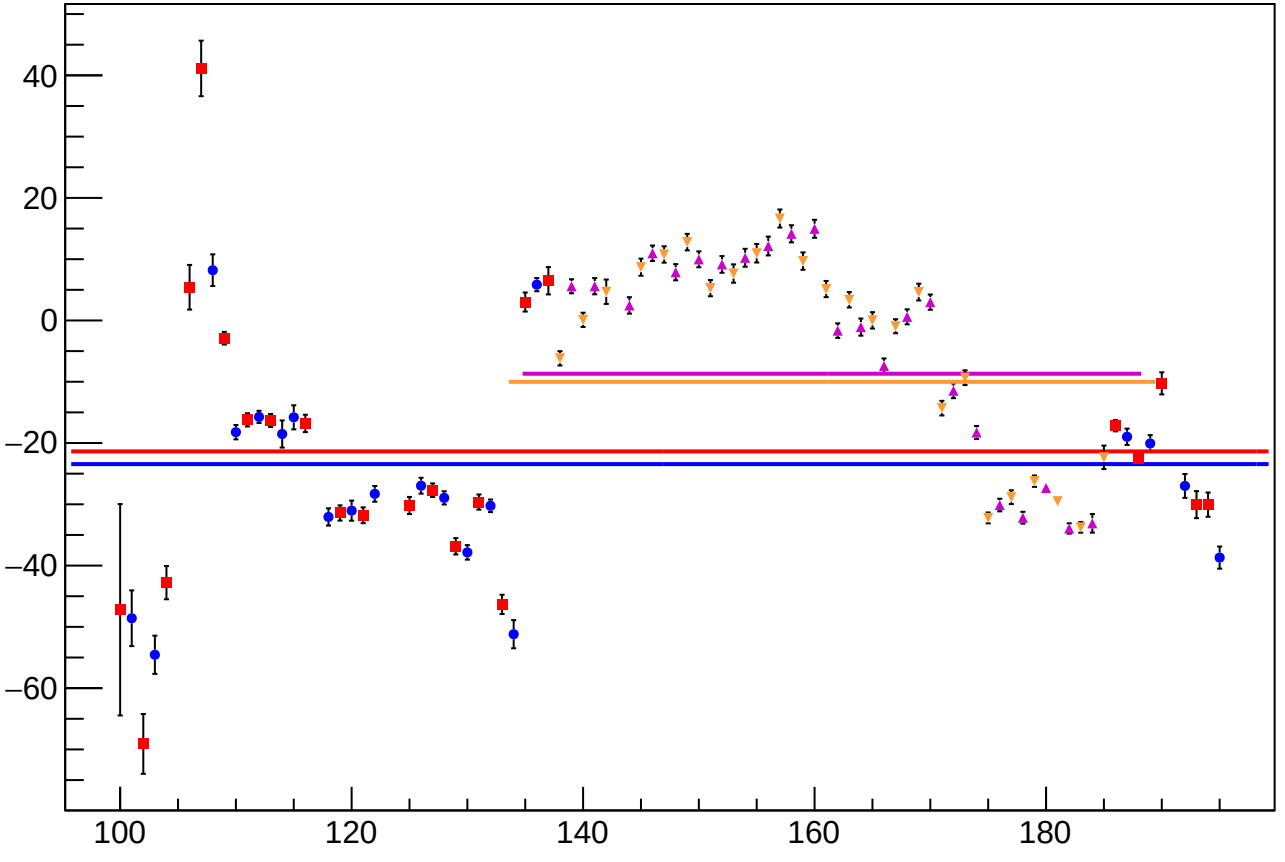
Right: 14.016+/-0.029 χ^2/NDF: 517818.2/42

In: -1.700+/-0.015 χ^2/NDF:721935.1/42

Out: -1.661+/-0.014 χ^2/NDF:800813.9/46

All: -1.680+/-0.010 χ^2/NDF: 1522752.5/89

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.440+/-0.319 χ^2/NDF: 1660.4/19

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -21.367+/-0.290 χ^2/NDF: 1909.9/22

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

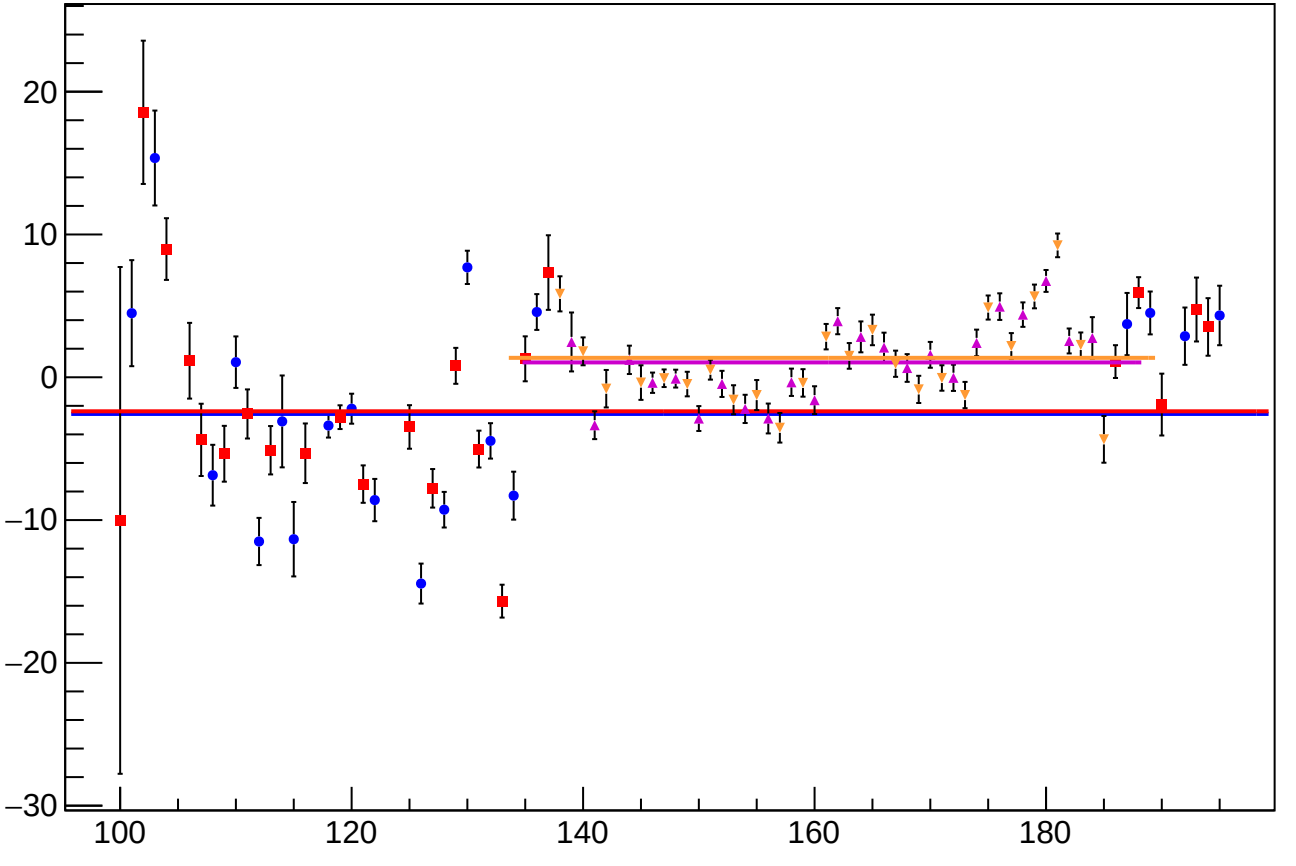
Right: -22.303+/-0.214 χ^2/NDF: 3593.4/42

In: -14.234+/-0.196 χ^2/NDF:8015.5/42

Out: -14.733+/-0.187 χ^2/NDF:7785.1/46

All: -14.495+/-0.135 χ^2/NDF: 15804.0/89

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.568+/-0.338 χ^2/NDF: 372.8/19

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -2.383+/-0.324 χ^2/NDF: 336.8/22

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

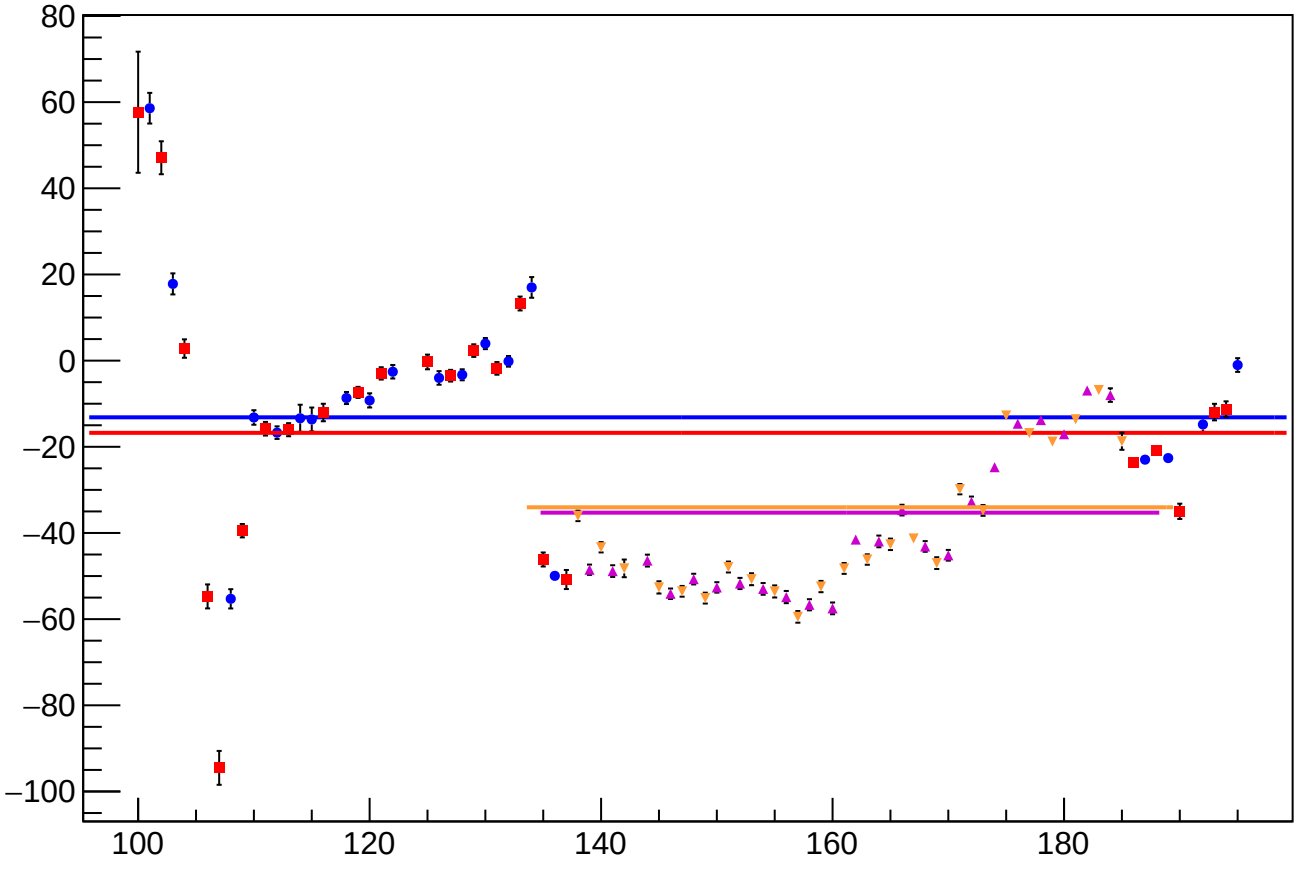
Right: -2.471+/-0.234 χ^2/NDF: 709.7/42

In: 0.159+/-0.167 χ^2/NDF:654.8/42

Out: 0.414+/-0.163 χ^2/NDF:677.1/46

All: 0.290+/-0.117 χ^2/NDF: 1333.2/89

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -13.157+/-0.345 χ^2/NDF: 2886.4/19

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.759+/-0.299 χ^2/NDF: 2962.8/22

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

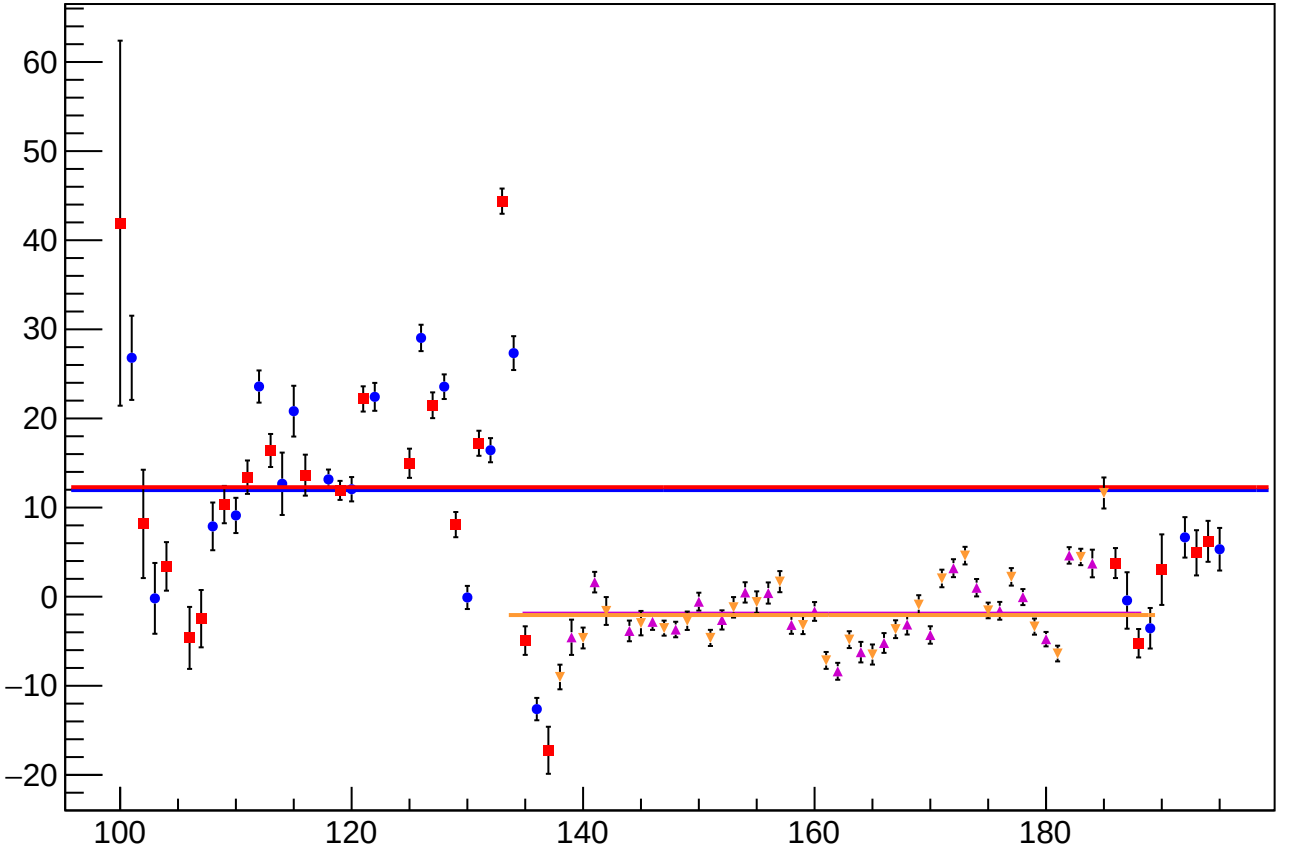
Right: -15.215+/-0.226 χ^2/NDF: 5911.4/42

In: -27.859+/-0.200 χ^2/NDF:10612.4/42

Out: -27.182+/-0.188 χ^2/NDF:9941.8/46

All: -27.500+/-0.137 χ^2/NDF: 20560.3/89

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.962+/-0.393 χ^2/NDF: 945.3/19

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 12.283+/-0.385 χ^2/NDF: 1099.2/22

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

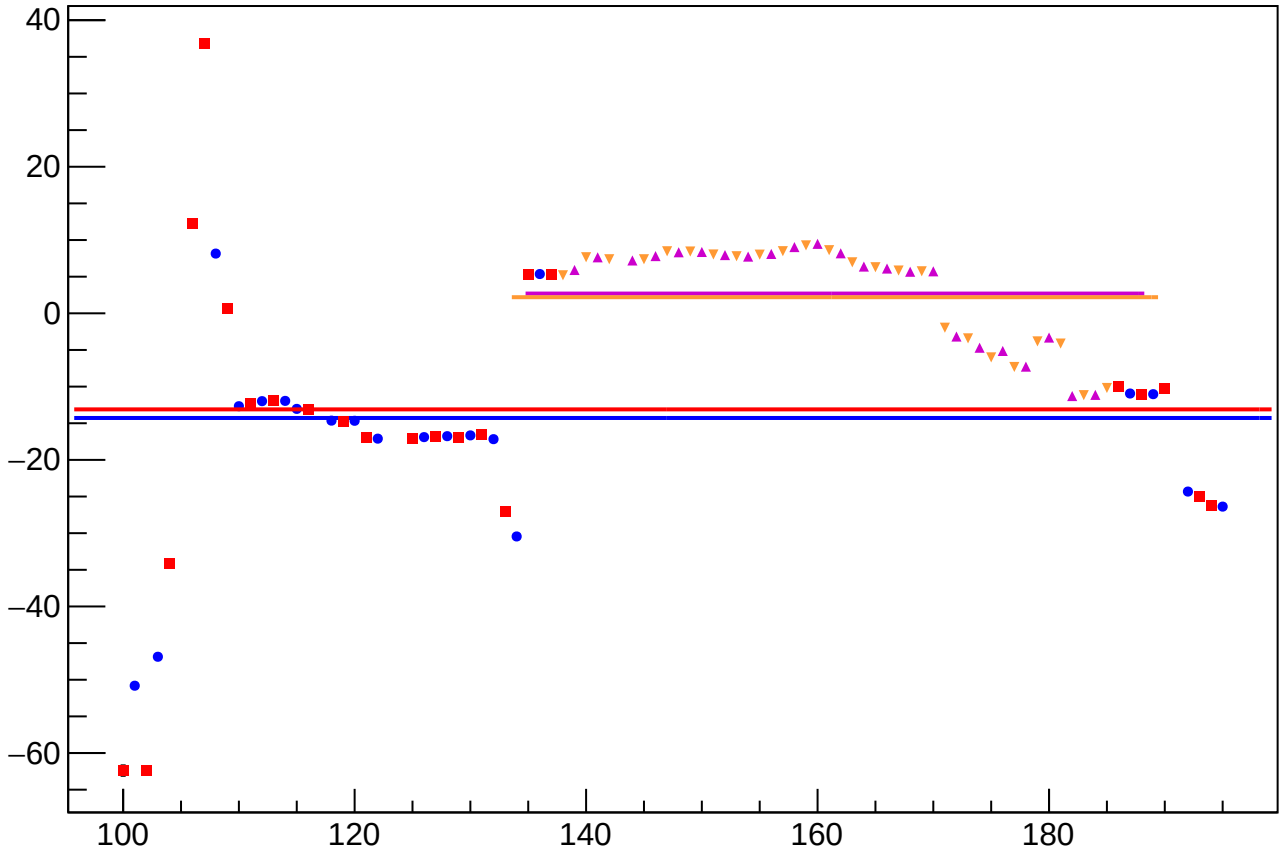
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 12.126+/-0.275 χ^2/NDF: 2044.9/42

In: 1.317+/-0.189 χ^2/NDF:2123.4/42

Out: 1.285+/-0.186 χ^2/NDF:2497.5/46

All: 1.301+/-0.133 χ^2/NDF: 4621.0/89



Right In: -14.281+/-0.022 χ^2/NDF: 421187.1/19

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -13.107+/-0.022 χ^2/NDF: 471847.1/22

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

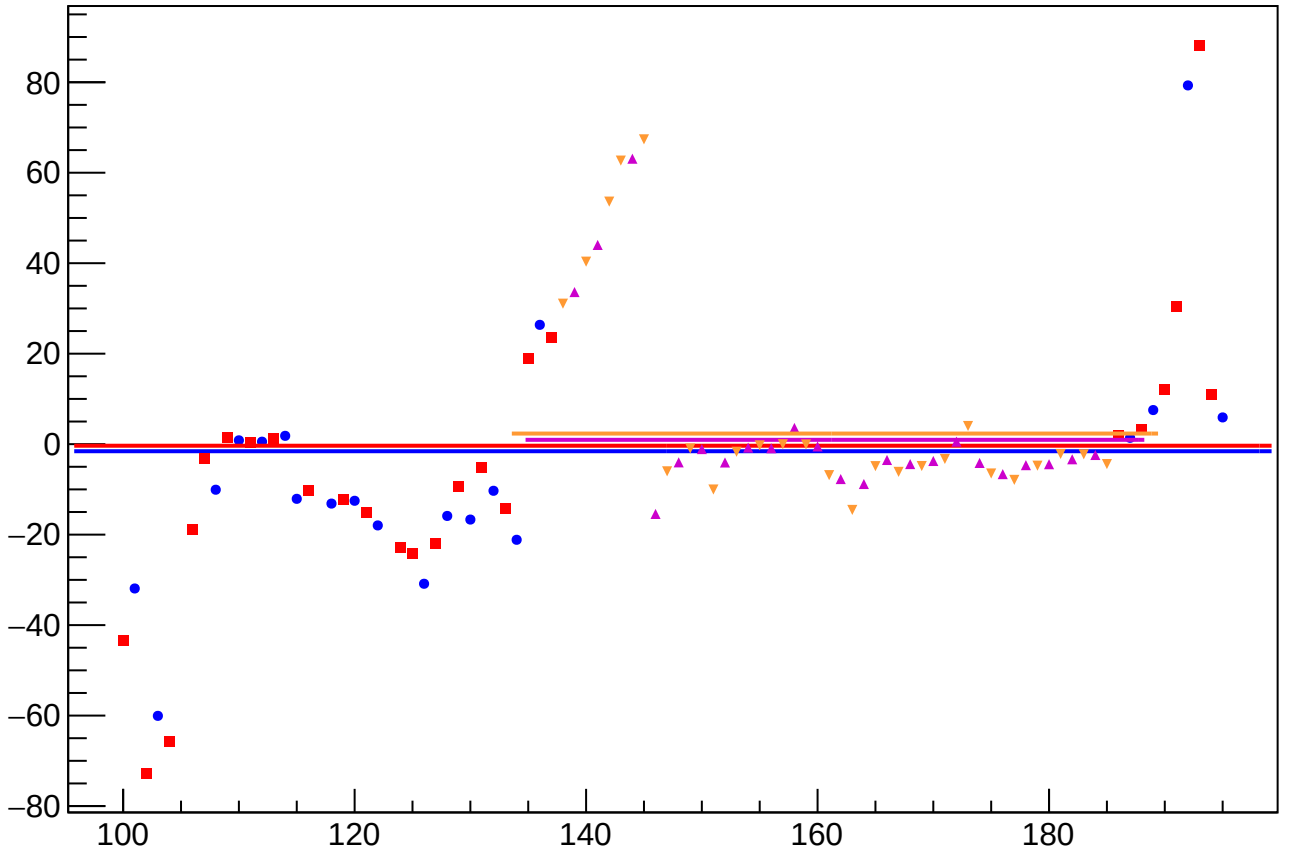
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -13.690+/-0.016 χ^2/NDF: 894411.7/42

In: 0.092+/-0.009 χ^2/NDF:1403985.9/42

Out: -0.154+/-0.009 χ^2/NDF:1379655.0/46

All: -0.032+/-0.006 χ^2/NDF: 2784036.7/89



Right In: -1.563+/-0.049 χ^2/NDF: 112009.1/19

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -0.347+/-0.040 χ^2/NDF: 114521.7/24

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

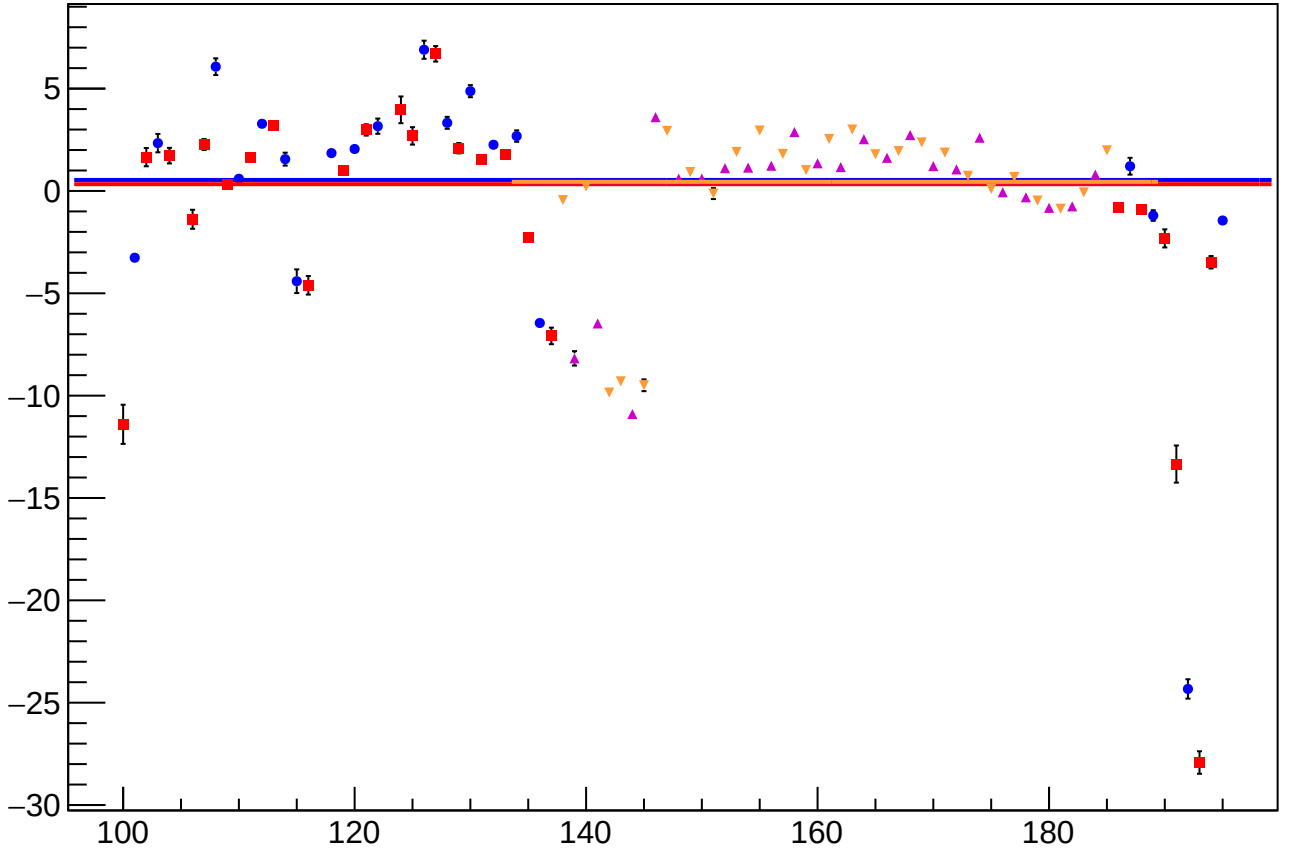
Right: -0.835+/-0.031 χ^2/NDF: 226893.1/44

In: -0.038+/-0.031 χ^2/NDF:246102.0/42

Out: 1.004+/-0.029 χ^2/NDF:293726.2/49

All: 0.527+/-0.021 χ^2/NDF: 540438.1/92

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.537+/-0.056 χ^2/NDF: 5616.5/19

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.330+/-0.051 χ^2/NDF: 4912.7/24

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

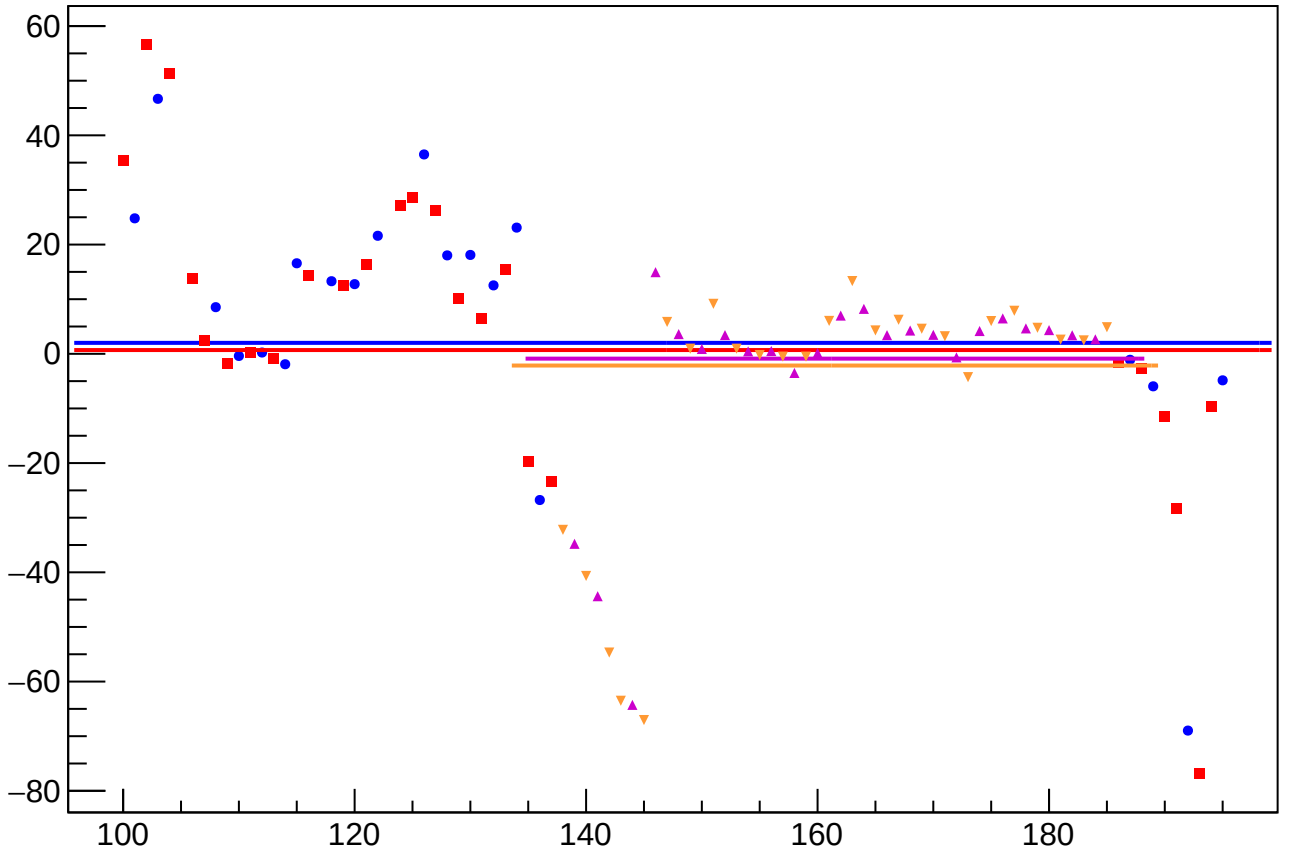
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.425+/-0.038 χ^2/NDF: 10536.8/44

In: 0.454+/-0.027 χ^2/NDF:12721.8/42

Out: 0.412+/-0.028 χ^2/NDF:11960.7/49

All: 0.433+/-0.019 χ^2/NDF: 24683.7/92



Right In: 2.008+/-0.054 χ^2/NDF: 110829.1/19

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 0.690+/-0.045 χ^2/NDF: 112806.6/24

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

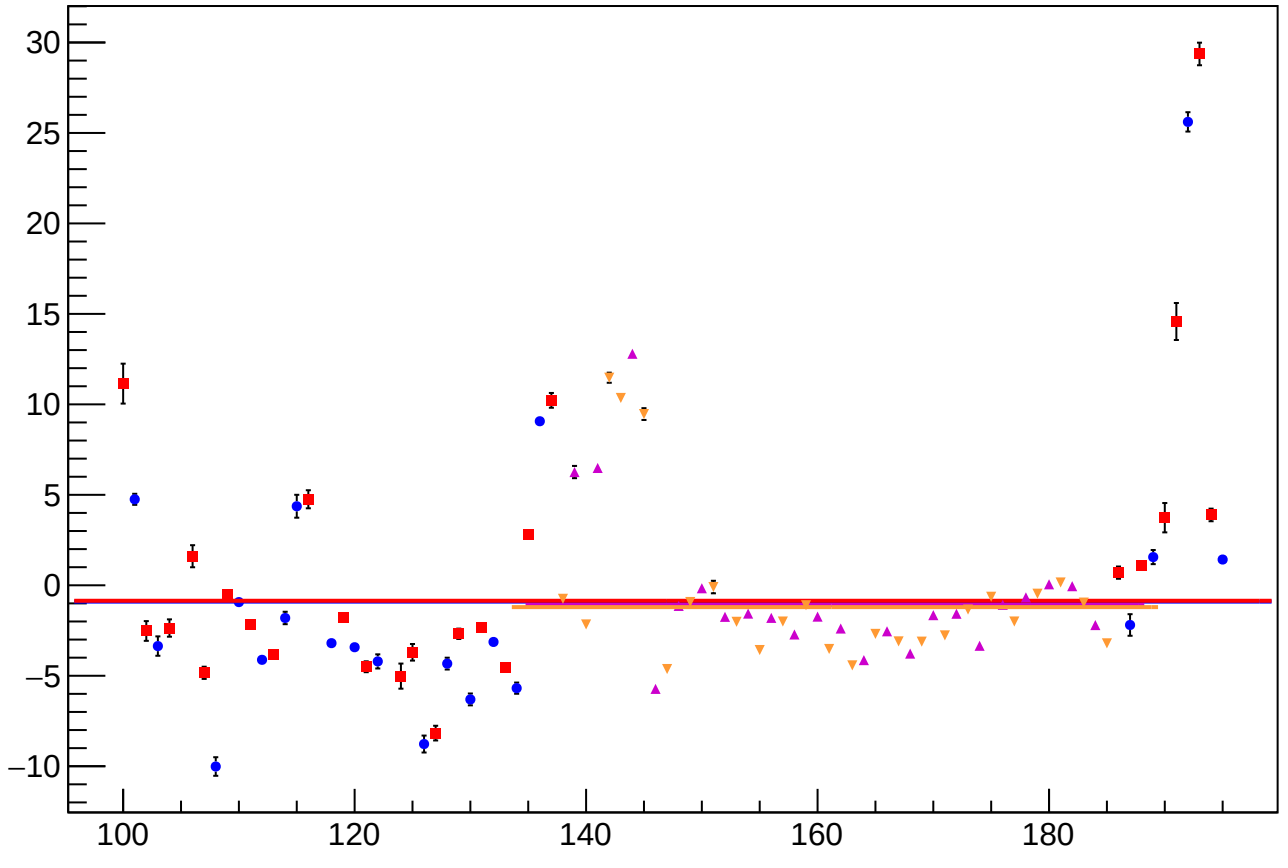
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: 1.224+/-0.035 χ^2/NDF: 223984.4/44

In: 0.111+/-0.032 χ^2/NDF:241878.5/42

Out: -0.881+/-0.030 χ^2/NDF:286283.5/49

All: -0.416+/-0.022 χ^2/NDF: 528676.3/92



Right In: -0.901+/-0.065 χ^2/NDF: 7233.5/19

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.855+/-0.060 χ^2/NDF: 5492.8/24

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

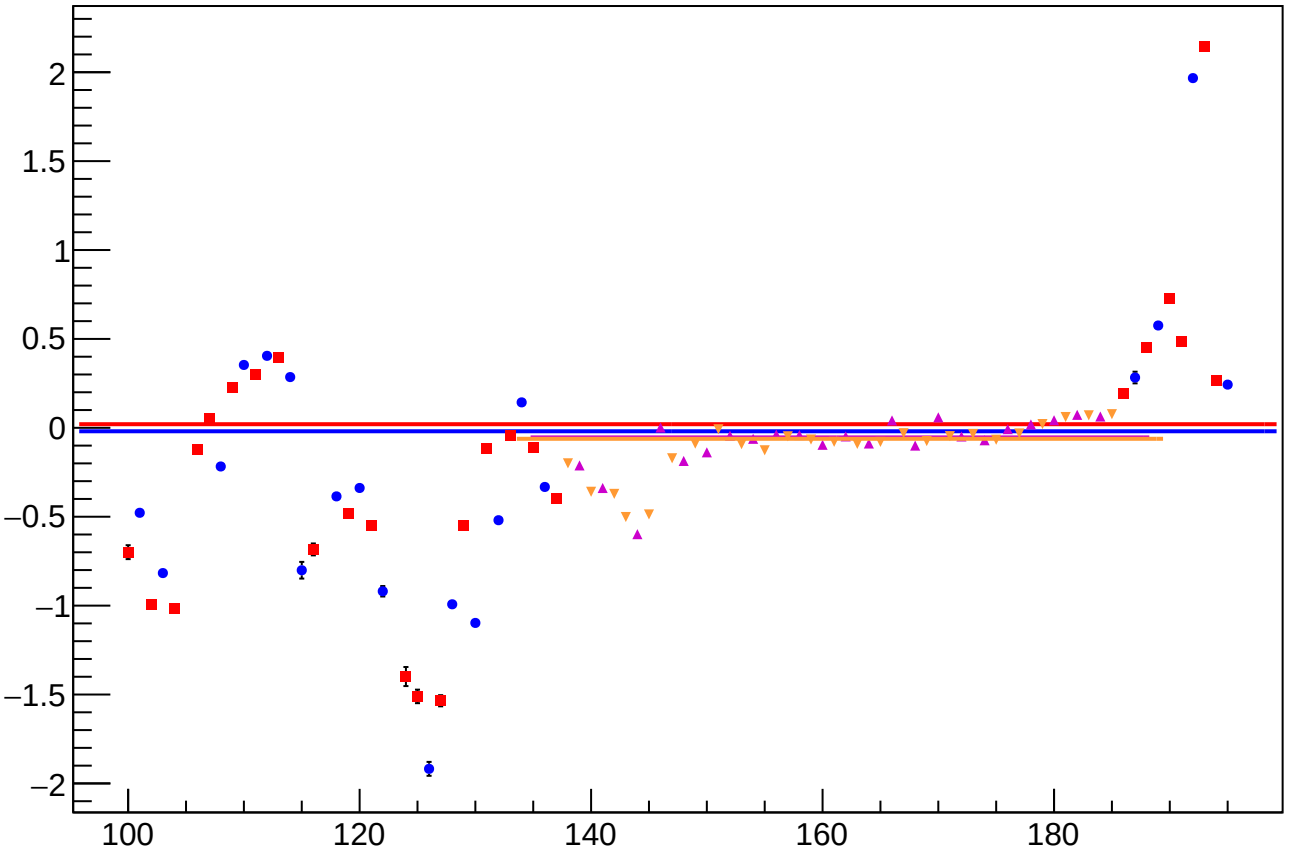
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.876+/-0.044 χ^2/NDF: 12726.6/44

In: -1.050+/-0.031 χ^2/NDF:14269.5/42

Out: -1.111+/-0.031 χ^2/NDF:12521.1/49

All: -1.081+/-0.022 χ^2/NDF: 26792.5/92



Right In: -0.019+/-0.003 χ^2/NDF: 32196.2/19

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.020+/-0.003 χ^2/NDF: 32770.0/24

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

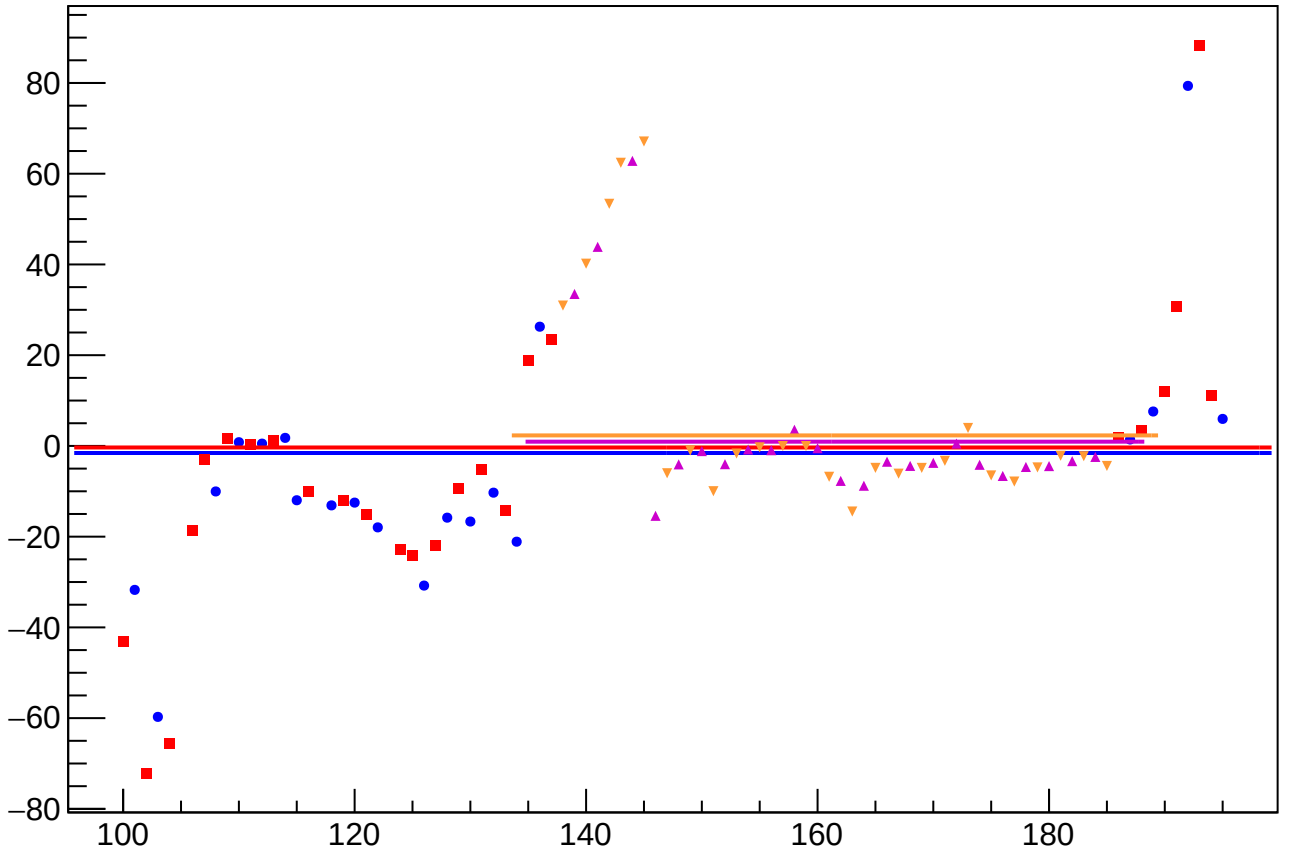
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.001+/-0.002 χ^2/NDF: 65037.0/44

In: -0.048+/-0.001 χ^2/NDF:37312.3/42

Out: -0.046+/-0.001 χ^2/NDF:38988.1/49

All: -0.047+/-0.001 χ^2/NDF: 76301.6/92



Right In: -1.560+/-0.049 χ^2/NDF: 112348.9/19

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -0.343+/-0.040 χ^2/NDF: 114890.0/24

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

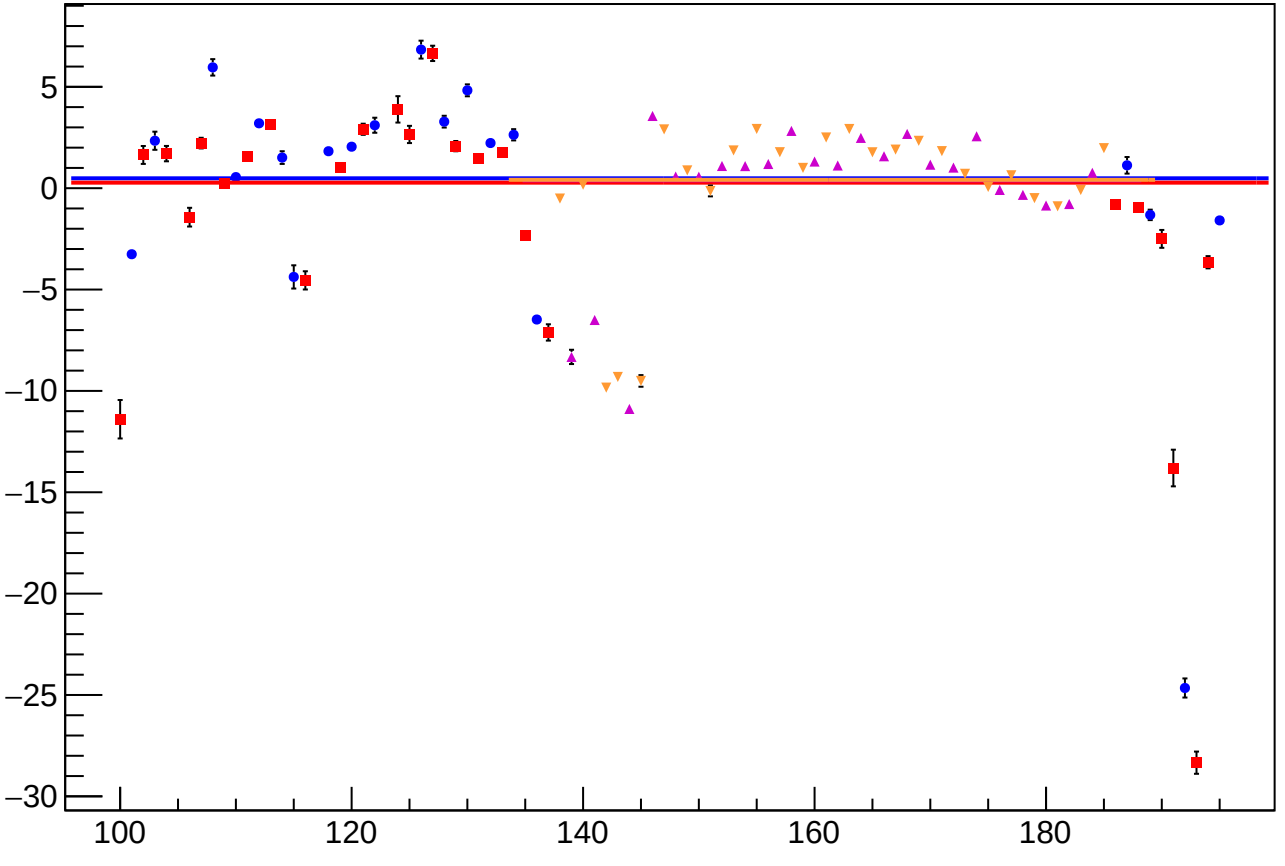
Right: -0.830+/-0.031 χ^2/NDF: 227606.3/44

In: -0.053+/-0.031 χ^2/NDF:246309.6/42

Out: 0.989+/-0.028 χ^2/NDF:293831.9/49

All: 0.512+/-0.021 χ^2/NDF: 540757.5/92

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.488+/-0.055 χ^2/NDF: 5720.4/19

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.274+/-0.051 χ^2/NDF: 5053.8/24

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

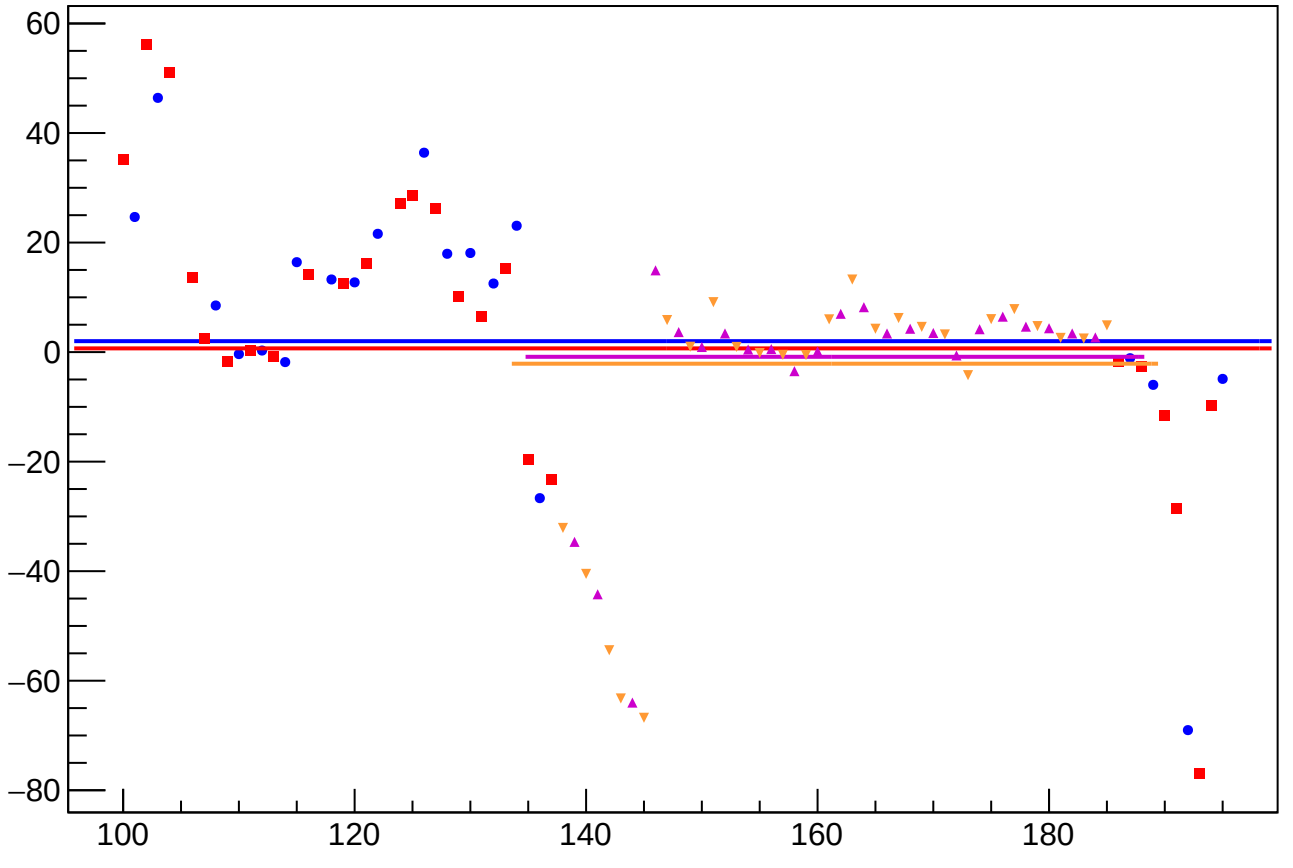
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.371+/-0.037 χ^2/NDF: 10782.3/44

In: 0.413+/-0.027 χ^2/NDF:12837.0/42

Out: 0.372+/-0.027 χ^2/NDF:12106.4/49

All: 0.393+/-0.019 χ^2/NDF: 24944.5/92



Right In: 2.000+/-0.054 χ^2/NDF: 111160.2/19

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 0.678+/-0.045 χ^2/NDF: 113172.4/24

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

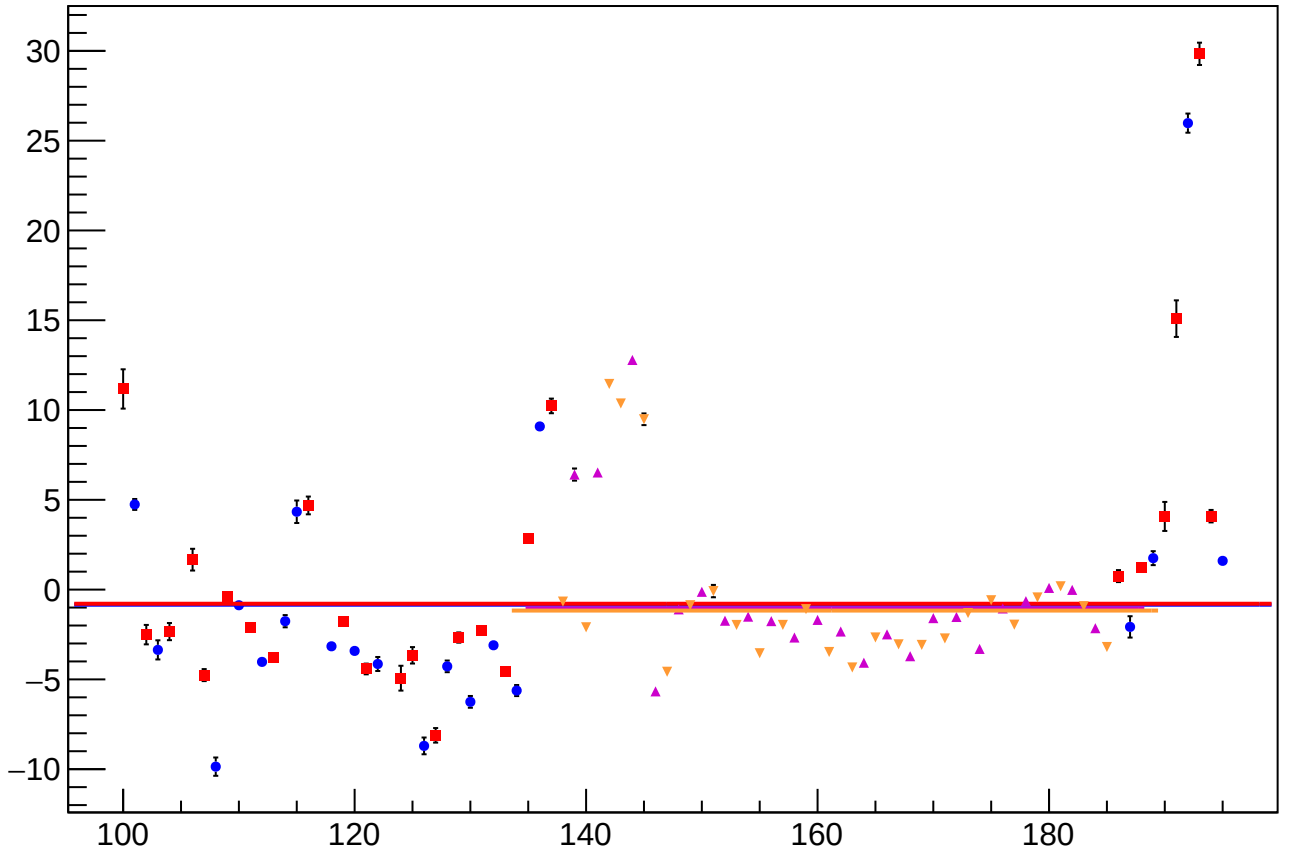
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 1.212+/-0.034 χ^2/NDF: 224688.1/44

In: 0.126+/-0.032 χ^2/NDF:242073.1/42

Out: -0.868+/-0.030 χ^2/NDF:286386.9/49

All: -0.402+/-0.022 χ^2/NDF: 528980.4/92



Right In: -0.841+/-0.064 χ^2/NDF: 7329.9/19

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.788+/-0.059 χ^2/NDF: 5630.7/24

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

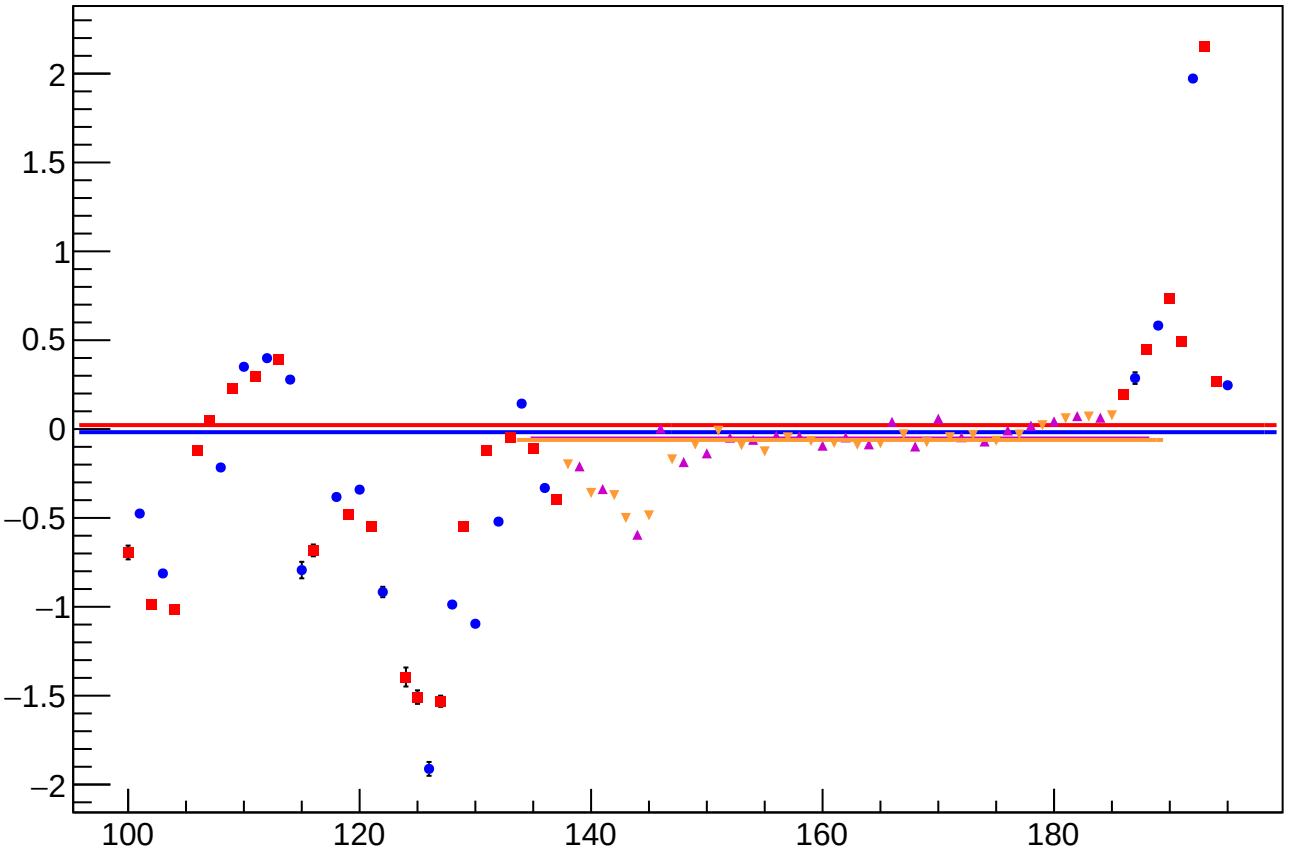
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.812+/-0.044 χ^2/NDF: 12961.0/44

In: -1.002+/-0.031 χ^2/NDF:14378.6/42

Out: -1.065+/-0.031 χ^2/NDF:12661.9/49

All: -1.033+/-0.022 χ^2/NDF: 27042.6/92



Right In: -0.017+/-0.003 χ^2/NDF: 32441.8/19

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.022+/-0.003 χ^2/NDF: 33042.6/24

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

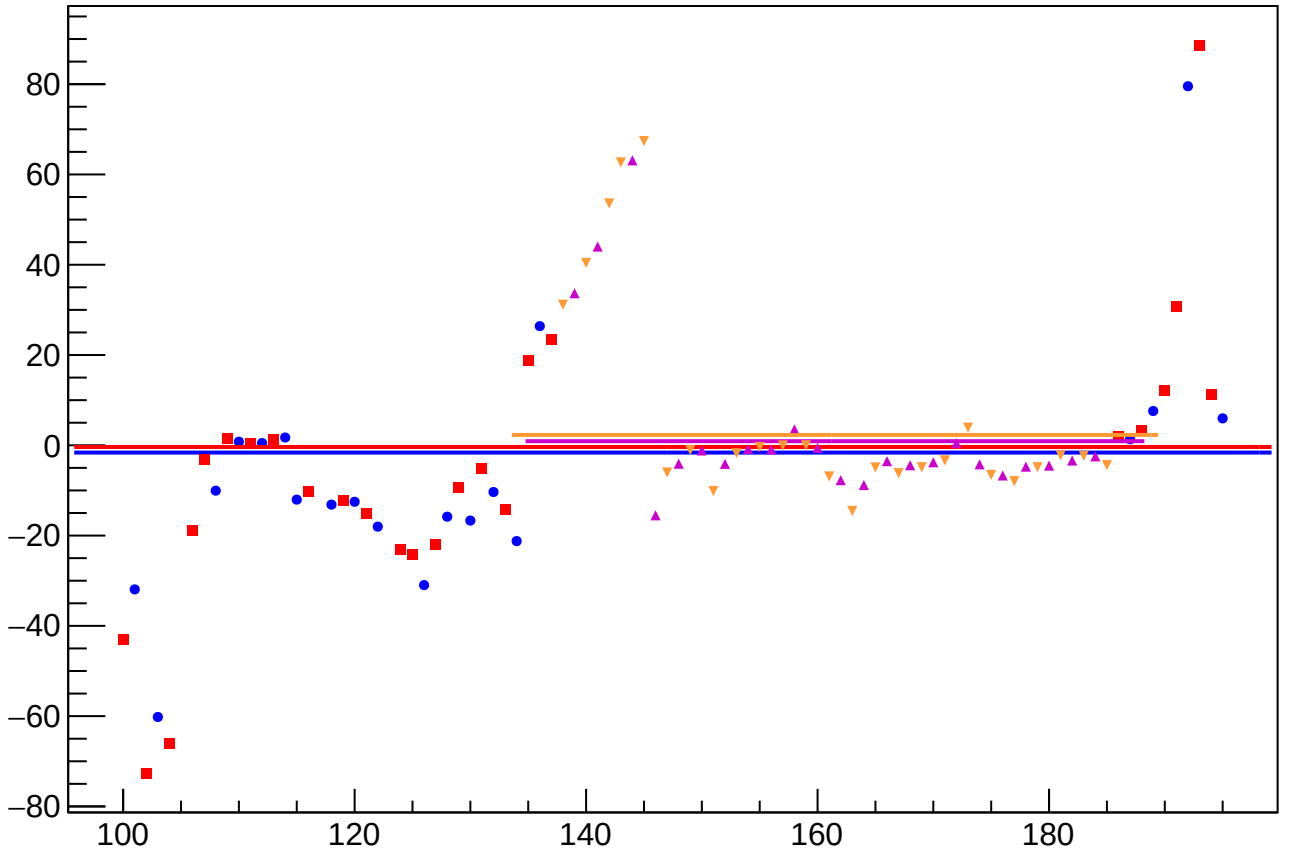
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.003+/-0.002 χ^2/NDF: 65555.9/44

In: -0.047+/-0.001 χ^2/NDF:37540.4/42

Out: -0.045+/-0.001 χ^2/NDF:39301.0/49

All: -0.046+/-0.001 χ^2/NDF: 76842.3/92



Right In: -1.610+/-0.049 χ^2/NDF: 112339.5/19

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -0.372+/-0.040 χ^2/NDF: 114899.4/24

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

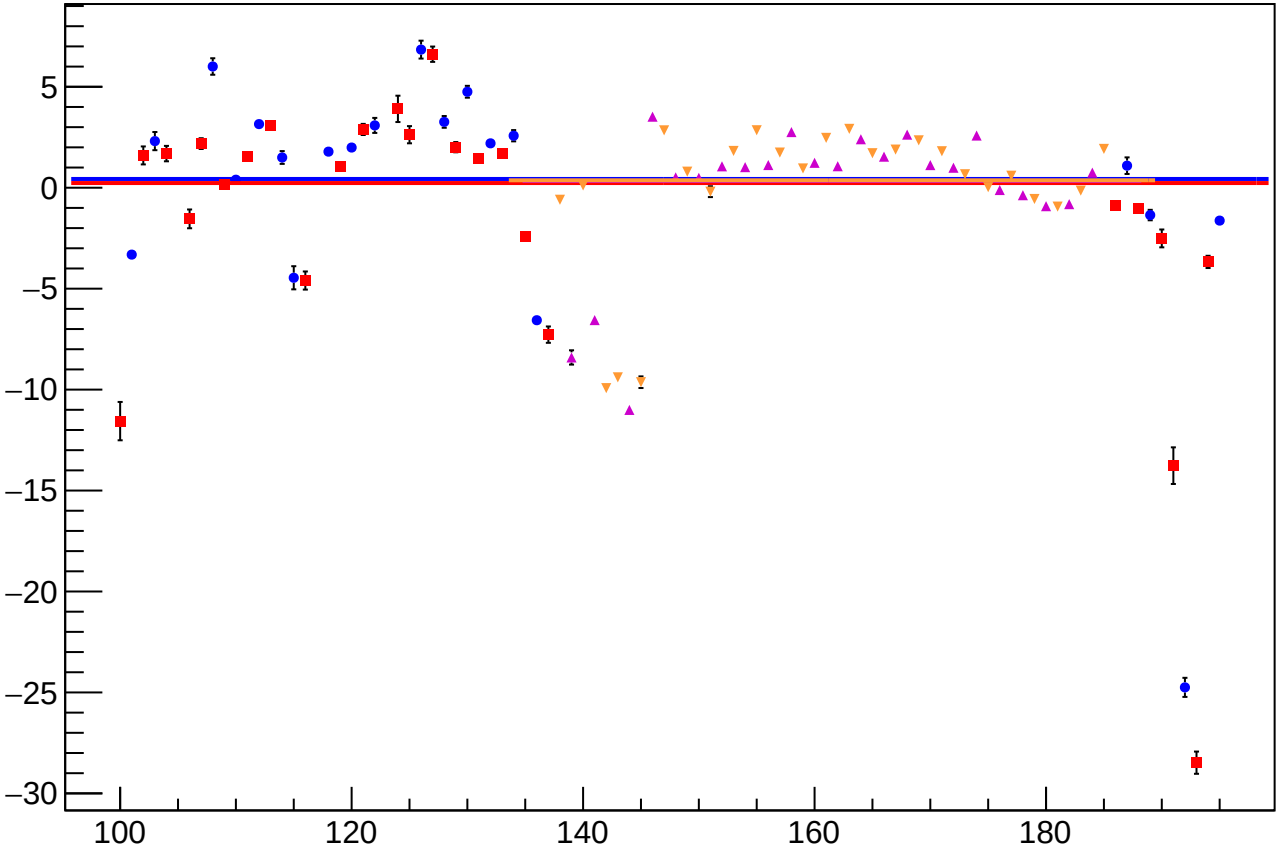
Right: -0.867+/-0.031 χ^2/NDF: 227615.0/44

In: -0.084+/-0.031 χ^2/NDF:246486.8/42

Out: 0.965+/-0.029 χ^2/NDF:294271.7/49

All: 0.485+/-0.021 χ^2/NDF: 541376.7/92

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.434+/-0.056 χ^2/NDF: 5714.0/19

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.232+/-0.051 χ^2/NDF: 5054.7/24

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

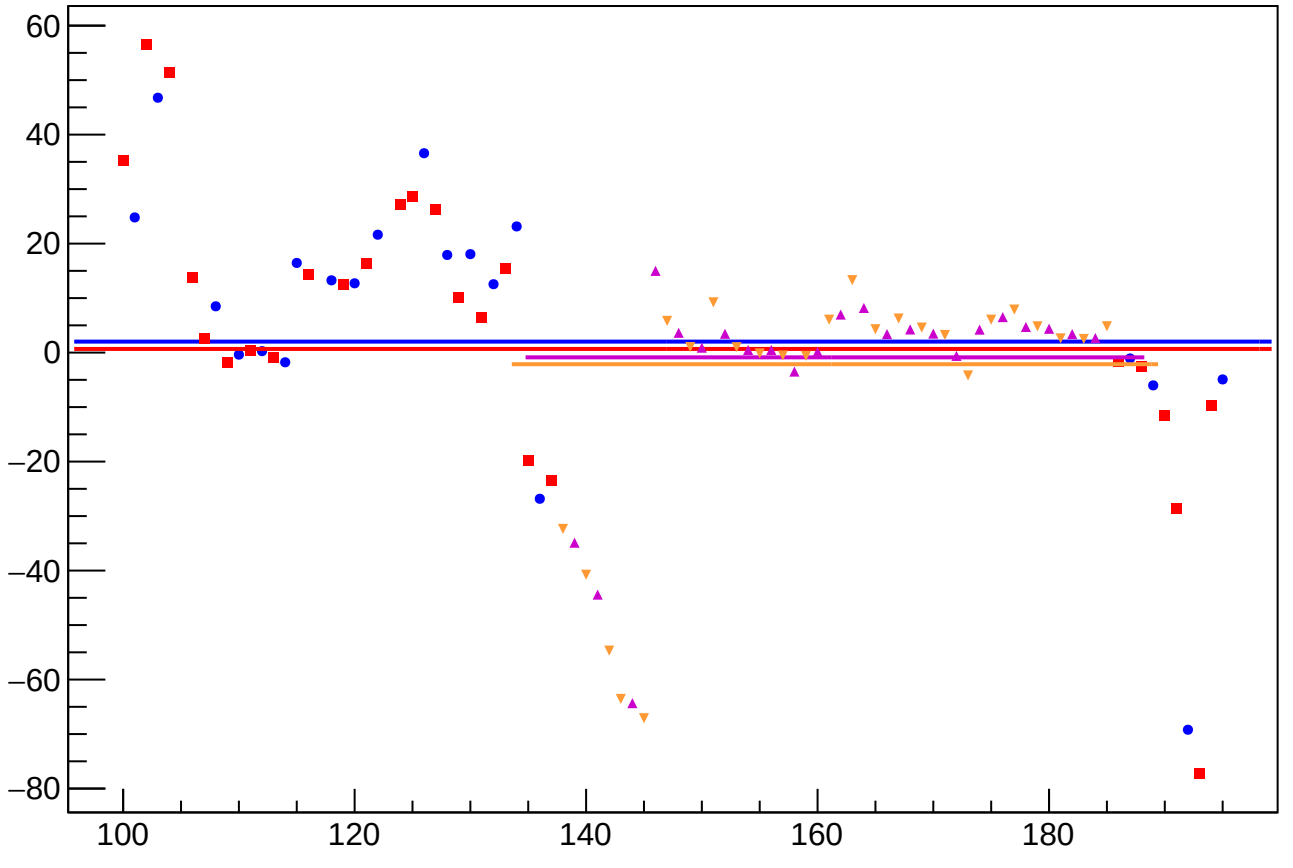
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.324+/-0.037 χ^2/NDF: 10776.0/44

In: 0.360+/-0.027 χ^2/NDF:12810.7/42

Out: 0.327+/-0.028 χ^2/NDF:12127.7/49

All: 0.344+/-0.019 χ^2/NDF: 24939.1/92



Right In: 2.017+/-0.054 χ^2/NDF: 111169.3/19

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 0.672+/-0.045 χ^2/NDF: 113209.2/24

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

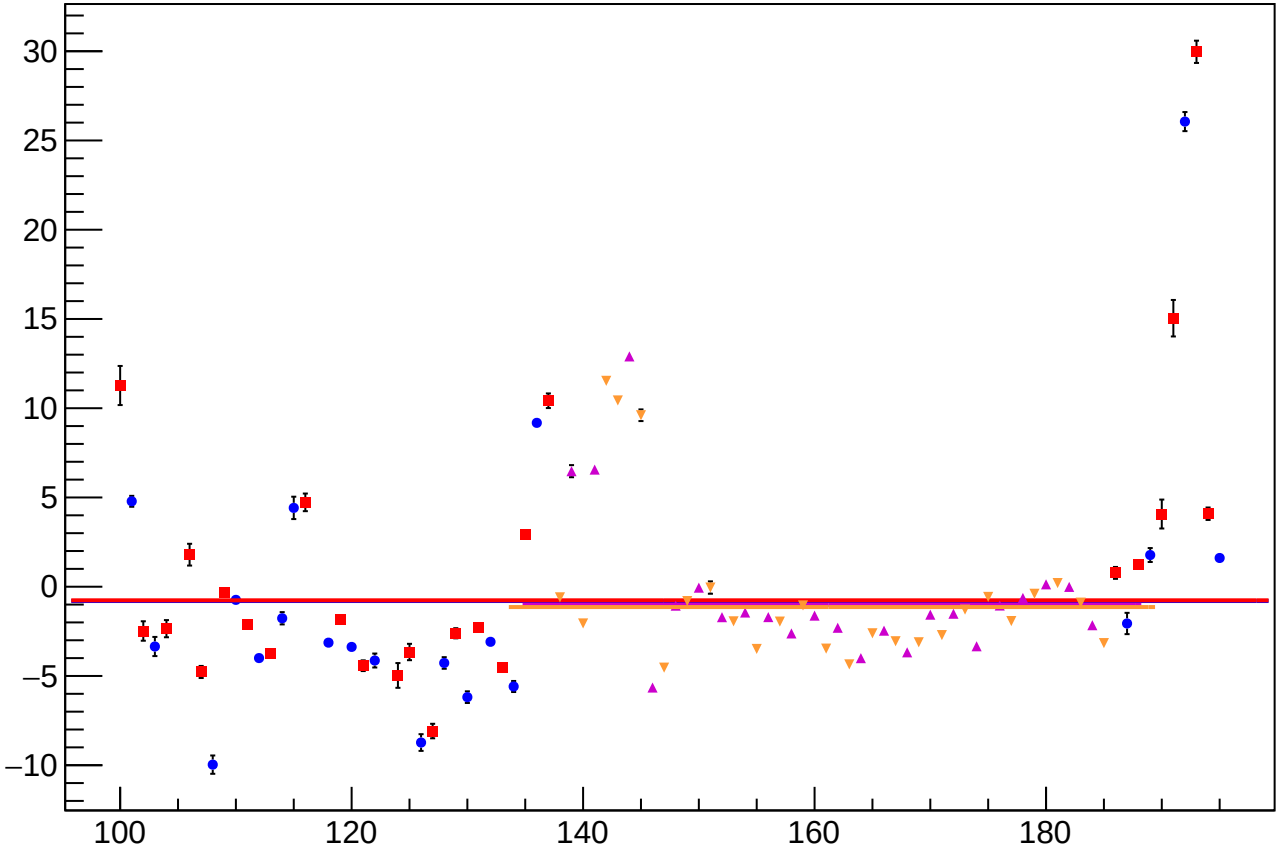
Right: 1.214+/-0.035 χ^2/NDF: 224743.1/44

In: 0.121+/-0.032 χ^2/NDF:242281.8/42

Out: -0.876+/-0.030 χ^2/NDF:286847.7/49

All: -0.409+/-0.022 χ^2/NDF: 529649.7/92

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.802+/-0.065 χ^2/NDF: 7327.9/19

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.762+/-0.060 χ^2/NDF: 5642.2/24

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

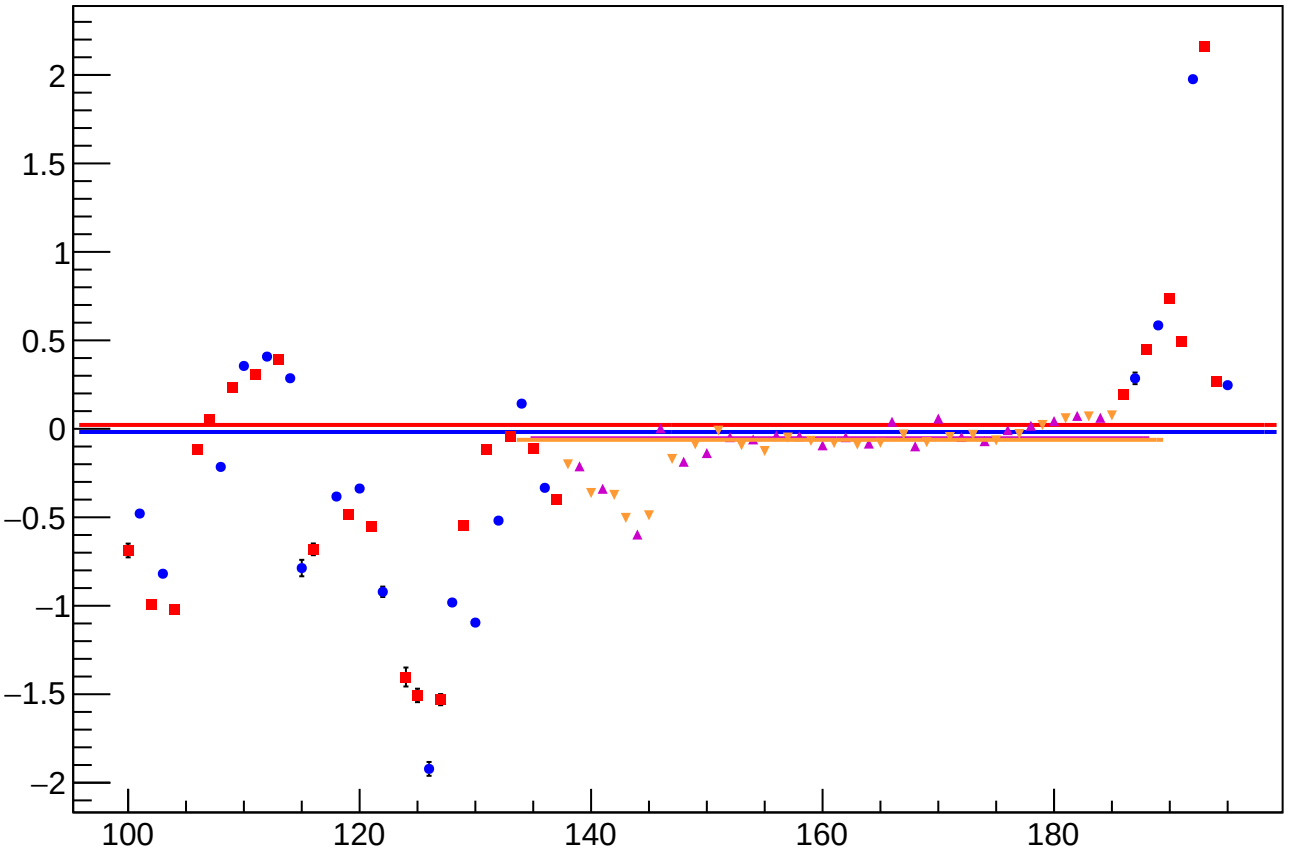
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.780+/-0.044 χ^2/NDF: 12970.3/44

In: -0.966+/-0.031 χ^2/NDF:14363.4/42

Out: -1.038+/-0.031 χ^2/NDF:12694.3/49

All: -1.001+/-0.022 χ^2/NDF: 27060.4/92



Right In: -0.018+/-0.003 χ^2/NDF: 32433.7/19

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.022+/-0.003 χ^2/NDF: 33001.9/24

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

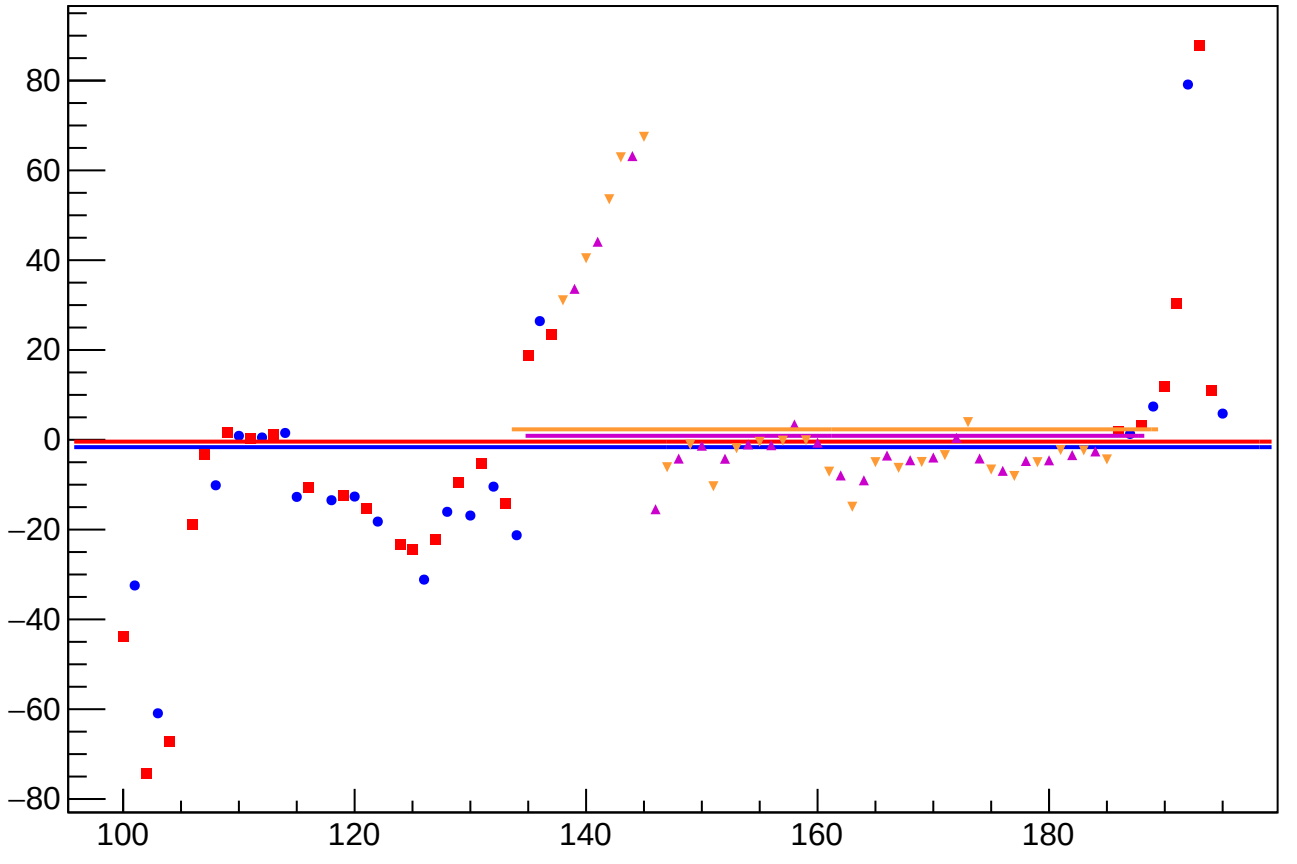
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.003+/-0.002 χ^2/NDF: 65506.2/44

In: -0.048+/-0.001 χ^2/NDF:37518.6/42

Out: -0.046+/-0.001 χ^2/NDF:39269.4/49

All: -0.047+/-0.001 χ^2/NDF: 76788.5/92



Right In: -1.639+/-0.050 χ^2/NDF: 110700.2/19

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -0.407+/-0.041 χ^2/NDF: 113386.3/24

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

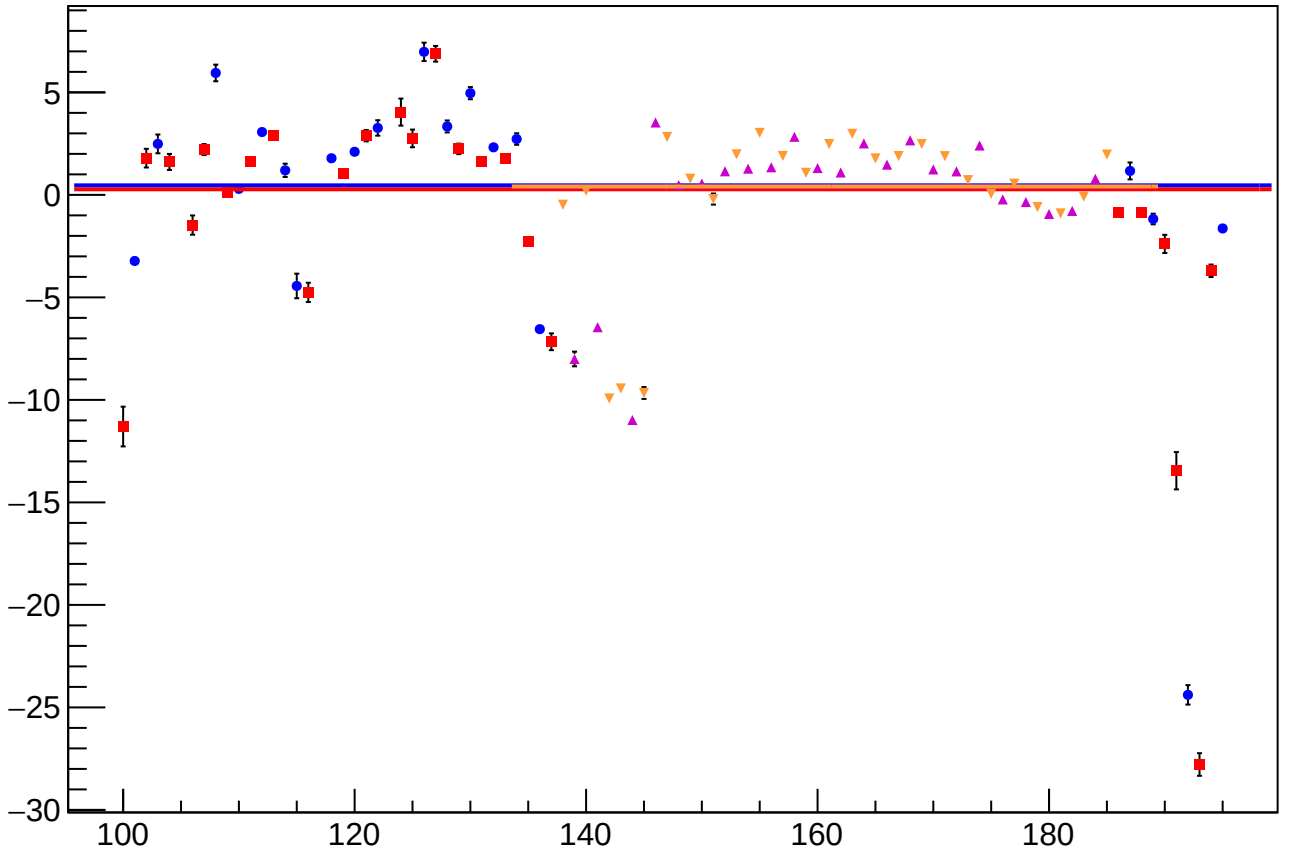
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: -0.901+/-0.032 χ^2/NDF: 224446.6/44

In: -0.116+/-0.032 χ^2/NDF:242641.9/42

Out: 0.963+/-0.029 χ^2/NDF:290249.2/49

All: 0.469+/-0.021 χ^2/NDF: 533520.4/92



Right In: 0.464+/-0.056 χ^2/NDF: 5574.2/19

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.273+/-0.052 χ^2/NDF: 4838.2/24

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

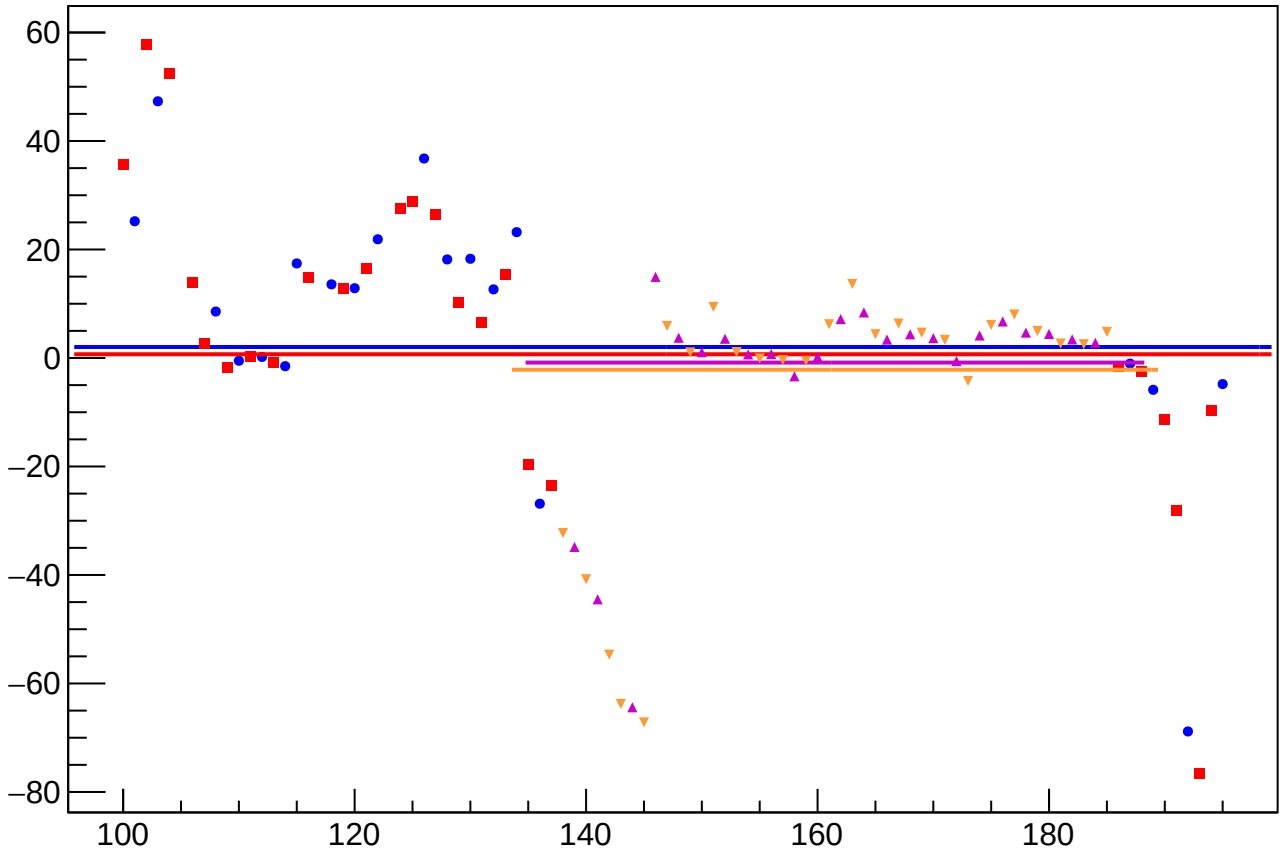
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.360+/-0.038 χ^2/NDF: 10418.7/44

In: 0.413+/-0.028 χ^2/NDF:12507.3/42

Out: 0.369+/-0.028 χ^2/NDF:11891.1/49

All: 0.391+/-0.020 χ^2/NDF: 24399.6/92



Right In: 2.024+/-0.055 χ^2/NDF: 109583.8/19

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 0.690+/-0.045 χ^2/NDF: 111721.1/24

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

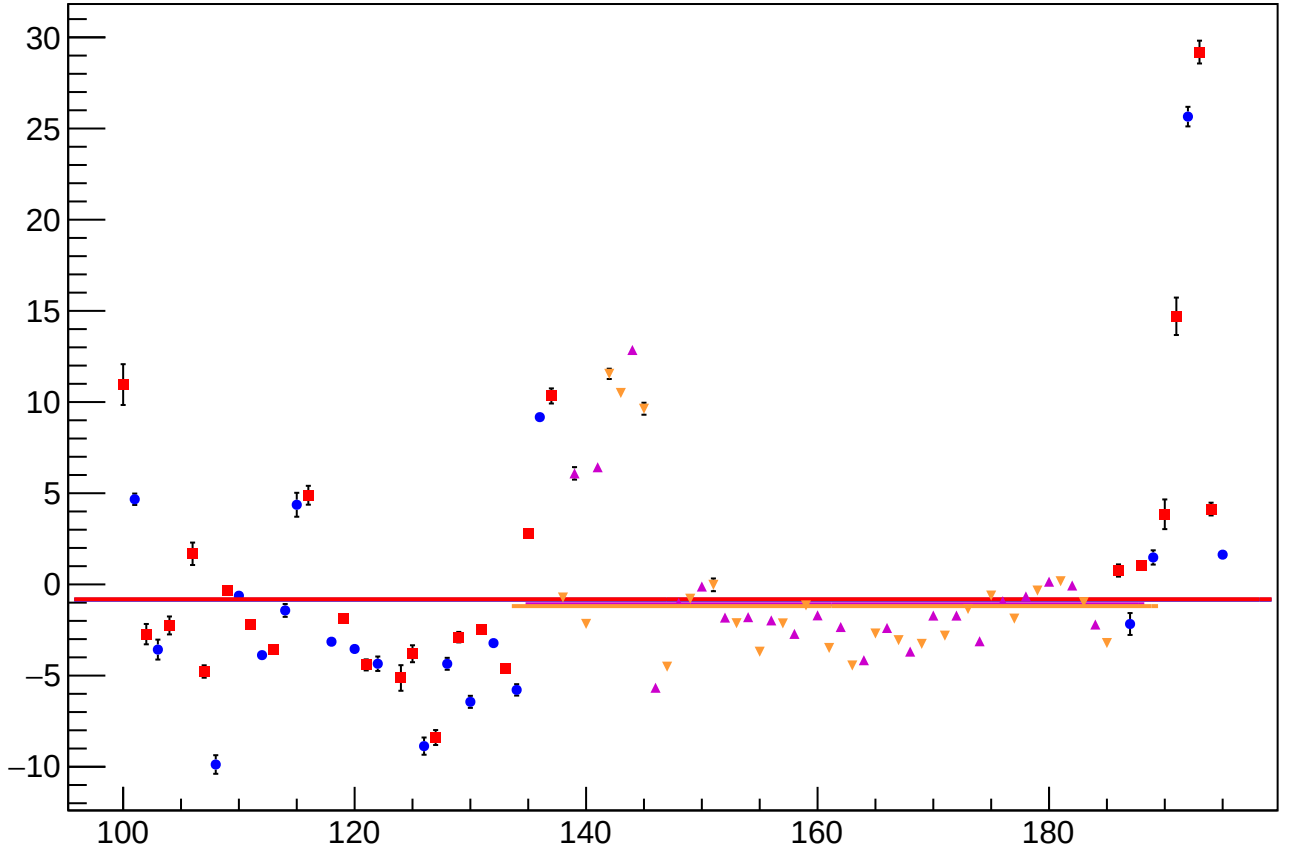
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: 1.228+/-0.035 χ^2/NDF: 221654.1/44

In: 0.151+/-0.032 χ^2/NDF:238484.2/42

Out: -0.877+/-0.030 χ^2/NDF:282888.7/49

All: -0.396+/-0.022 χ^2/NDF: 521907.0/92



Right In: -0.838+/-0.066 χ^2/NDF: 7174.3/19

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.815+/-0.061 χ^2/NDF: 5423.7/24

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

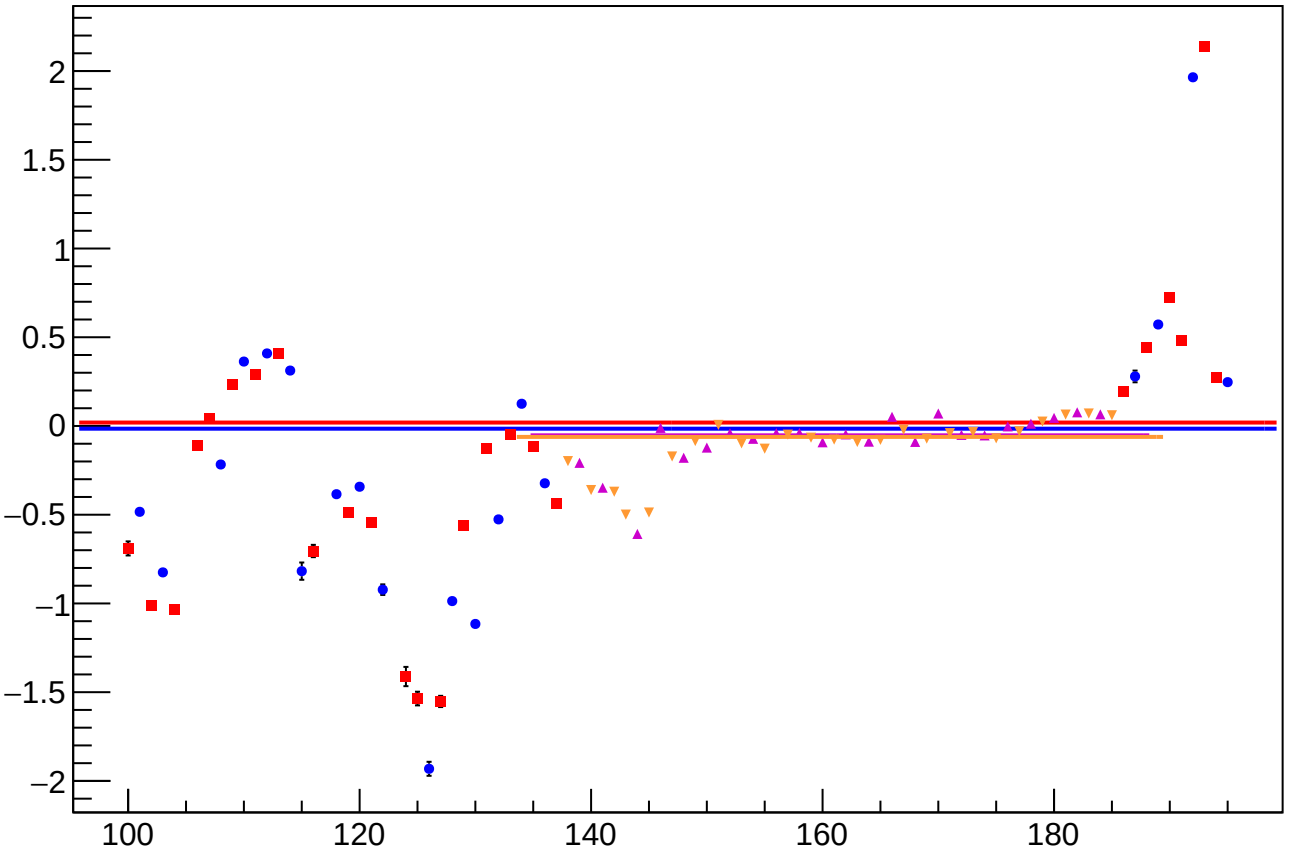
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.825+/-0.045 χ^2/NDF: 12598.1/44

In: -1.032+/-0.031 χ^2/NDF:14026.3/42

Out: -1.089+/-0.032 χ^2/NDF:12447.5/49

All: -1.060+/-0.022 χ^2/NDF: 26475.5/92



Right In: -0.015+/-0.003 χ^2/NDF: 31803.3/19

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.019+/-0.003 χ^2/NDF: 32542.2/24

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

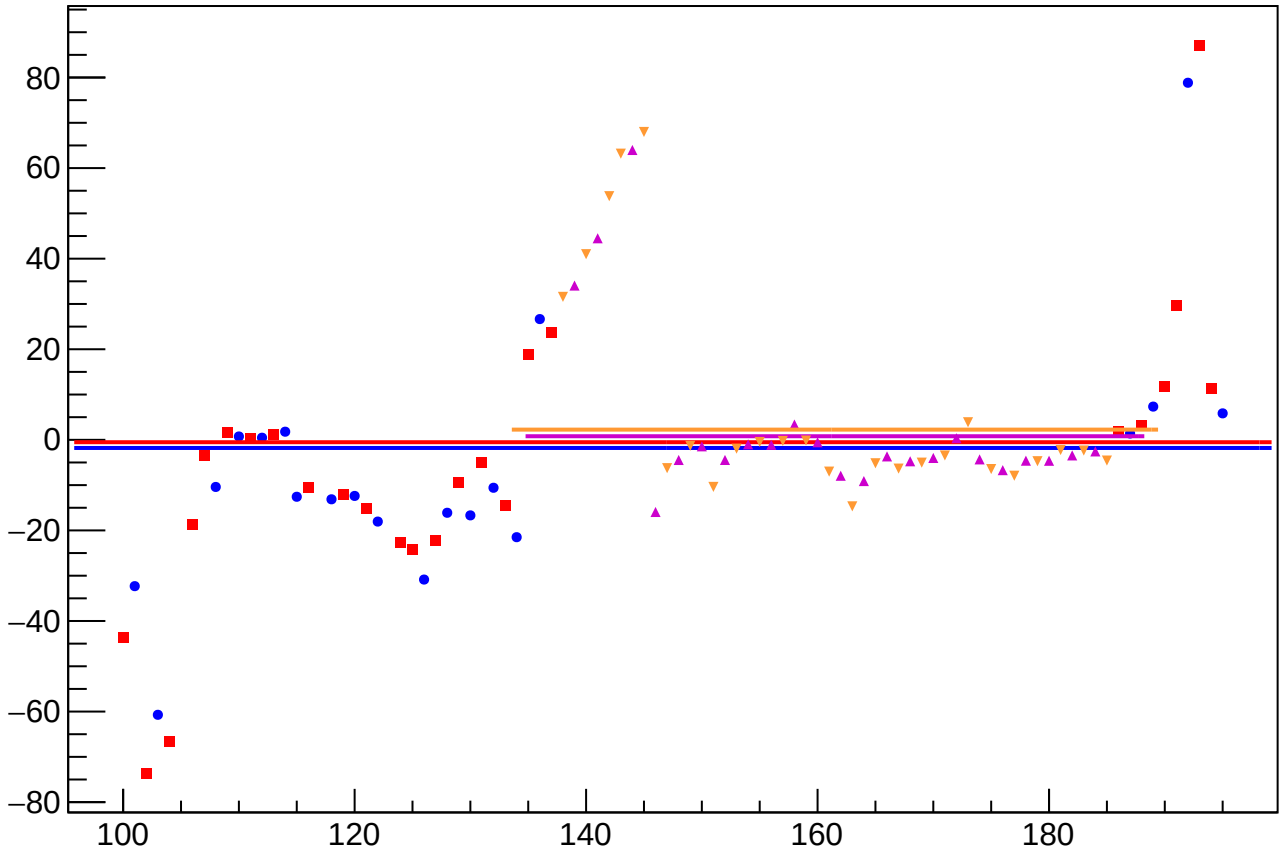
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.003+/-0.002 χ^2/NDF: 64397.6/44

In: -0.047+/-0.001 χ^2/NDF:36938.0/42

Out: -0.046+/-0.001 χ^2/NDF:38582.9/49

All: -0.046+/-0.001 χ^2/NDF: 75520.9/92



Right In: -1.797+/-0.051 χ^2/NDF: 108917.4/19

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.528+/-0.042 χ^2/NDF: 111222.1/24

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

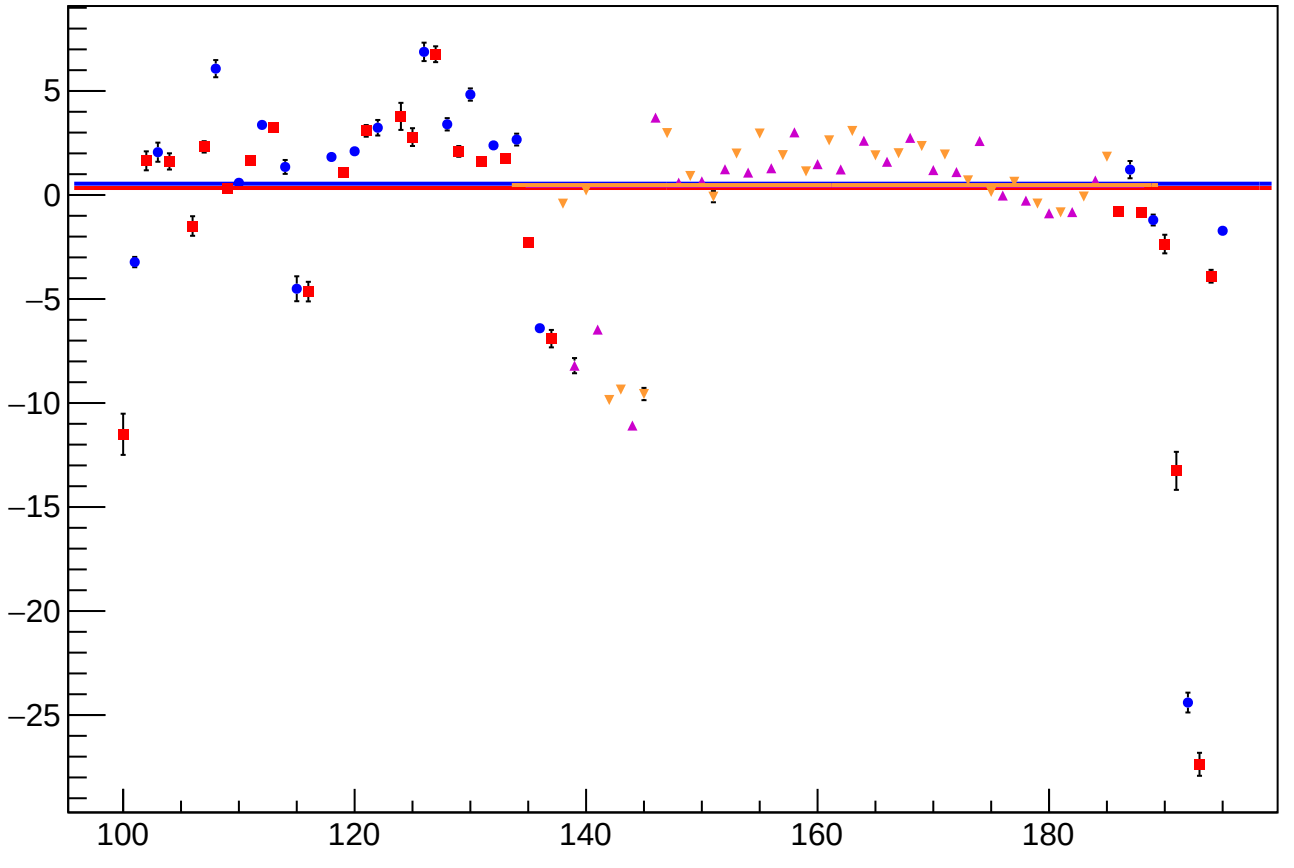
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -1.041+/-0.032 χ^2/NDF: 220507.5/44

In: -0.226+/-0.032 χ^2/NDF:239304.8/42

Out: 0.883+/-0.030 χ^2/NDF:285109.7/49

All: 0.374+/-0.022 χ^2/NDF: 525061.5/92



Right In: 0.543+/-0.057 χ^2/NDF: 5489.5/19

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.336+/-0.052 χ^2/NDF: 4726.1/24

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

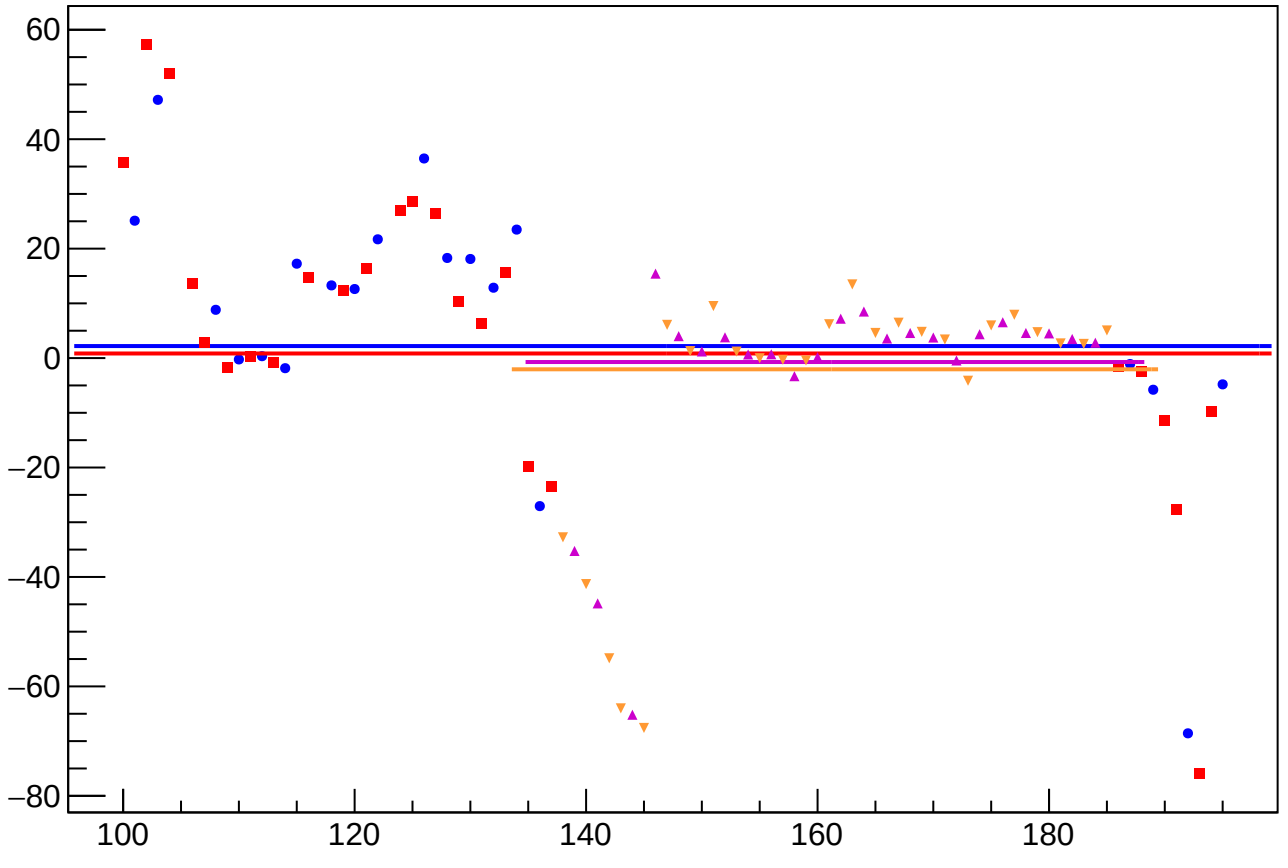
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.431+/-0.038 χ^2/NDF: 10222.8/44

In: 0.465+/-0.028 χ^2/NDF:12385.7/42

Out: 0.437+/-0.028 χ^2/NDF:11539.4/49

All: 0.451+/-0.020 χ^2/NDF: 23925.6/92



Right In: 2.197+/-0.056 χ^2/NDF: 107800.5/19

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 0.840+/-0.046 χ^2/NDF: 109569.3/24

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

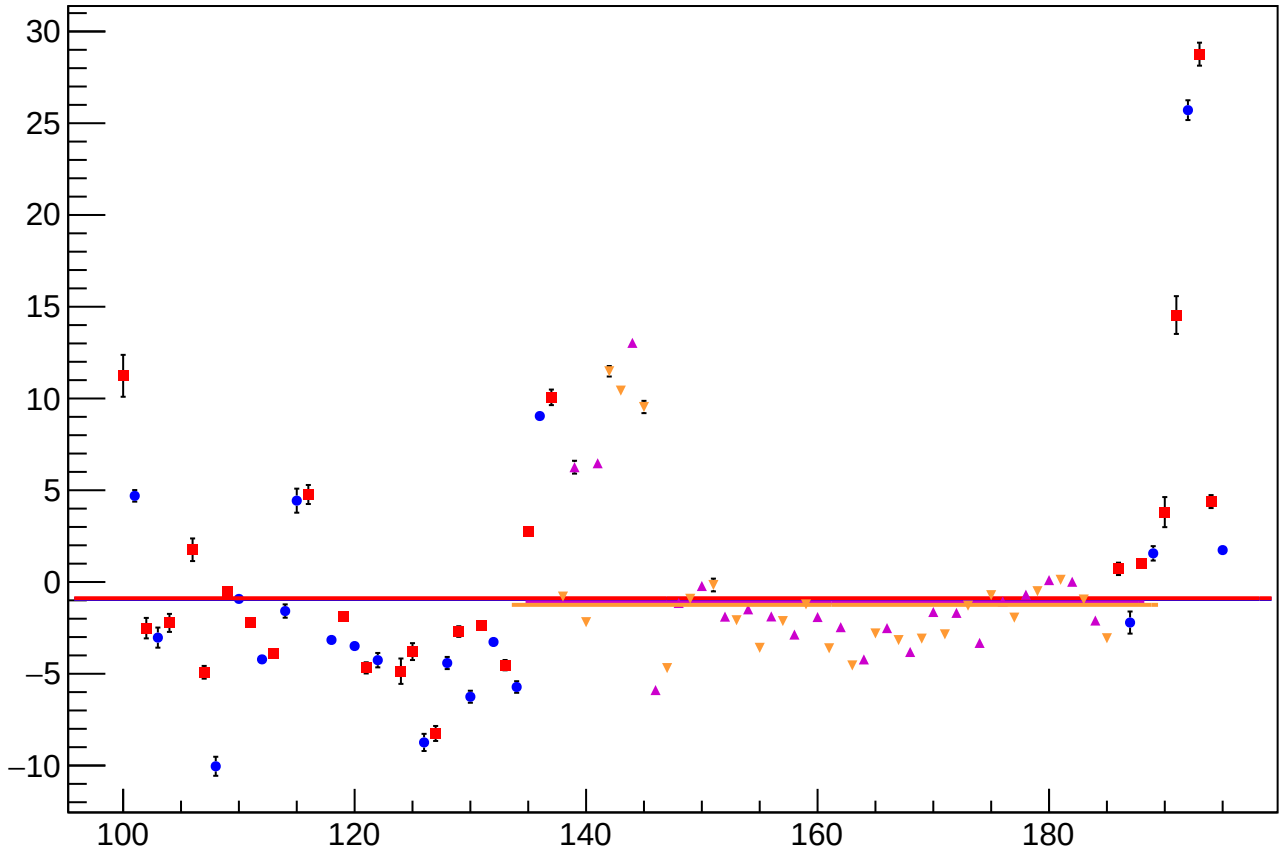
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: 1.390+/-0.036 χ^2/NDF: 217721.3/44

In: 0.288+/-0.033 χ^2/NDF:235118.7/42

Out: -0.758+/-0.031 χ^2/NDF:277754.4/49

All: -0.267+/-0.022 χ^2/NDF: 513412.8/92



Right In: -0.926+/-0.067 χ^2/NDF: 7023.7/19

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.885+/-0.062 χ^2/NDF: 5276.6/24

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

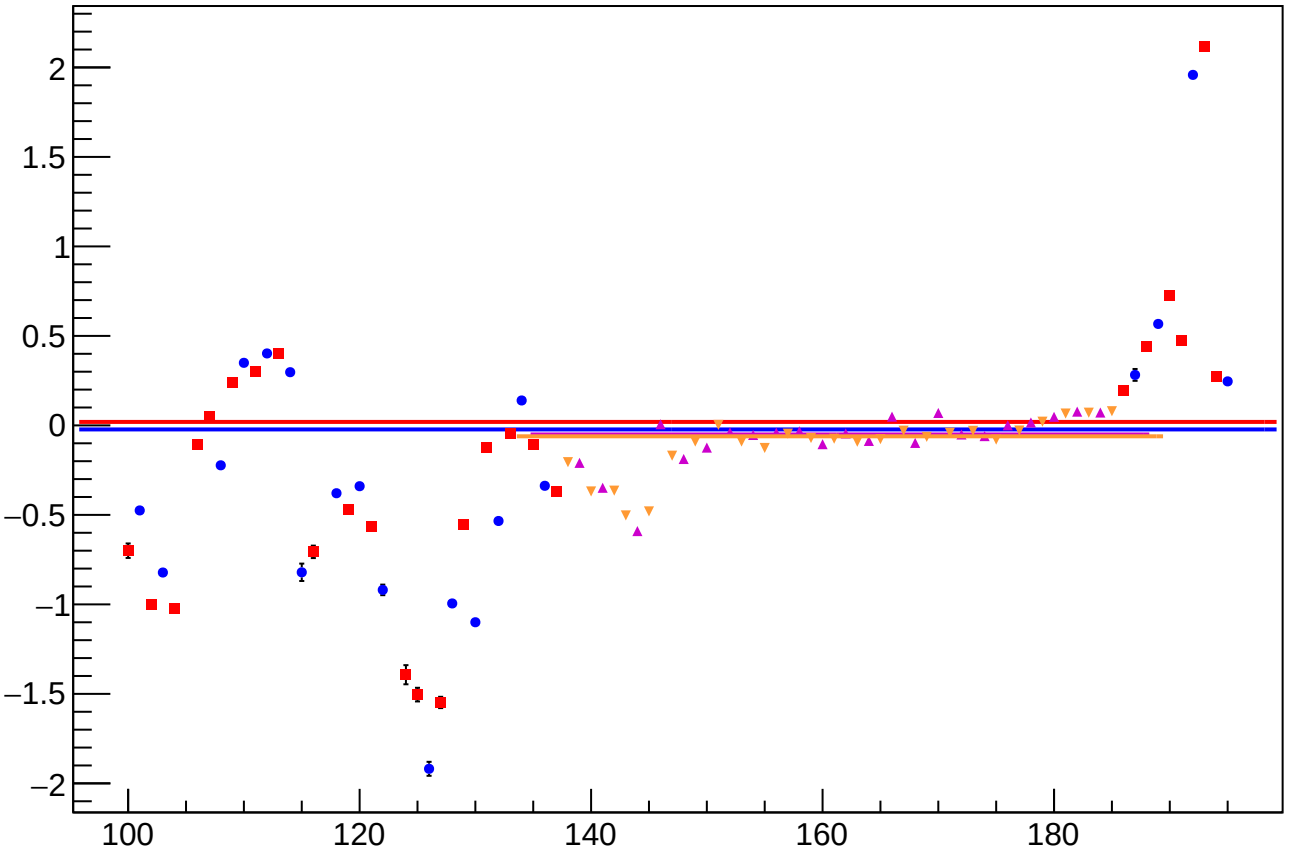
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.904+/-0.045 χ^2/NDF: 12300.5/44

In: -1.074+/-0.032 χ^2/NDF:13870.4/42

Out: -1.148+/-0.032 χ^2/NDF:12070.1/49

All: -1.110+/-0.022 χ^2/NDF: 25943.2/92



Right In: -0.023+/-0.003 χ^2/NDF: 31307.6/19

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.019+/-0.003 χ^2/NDF: 31672.9/24

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

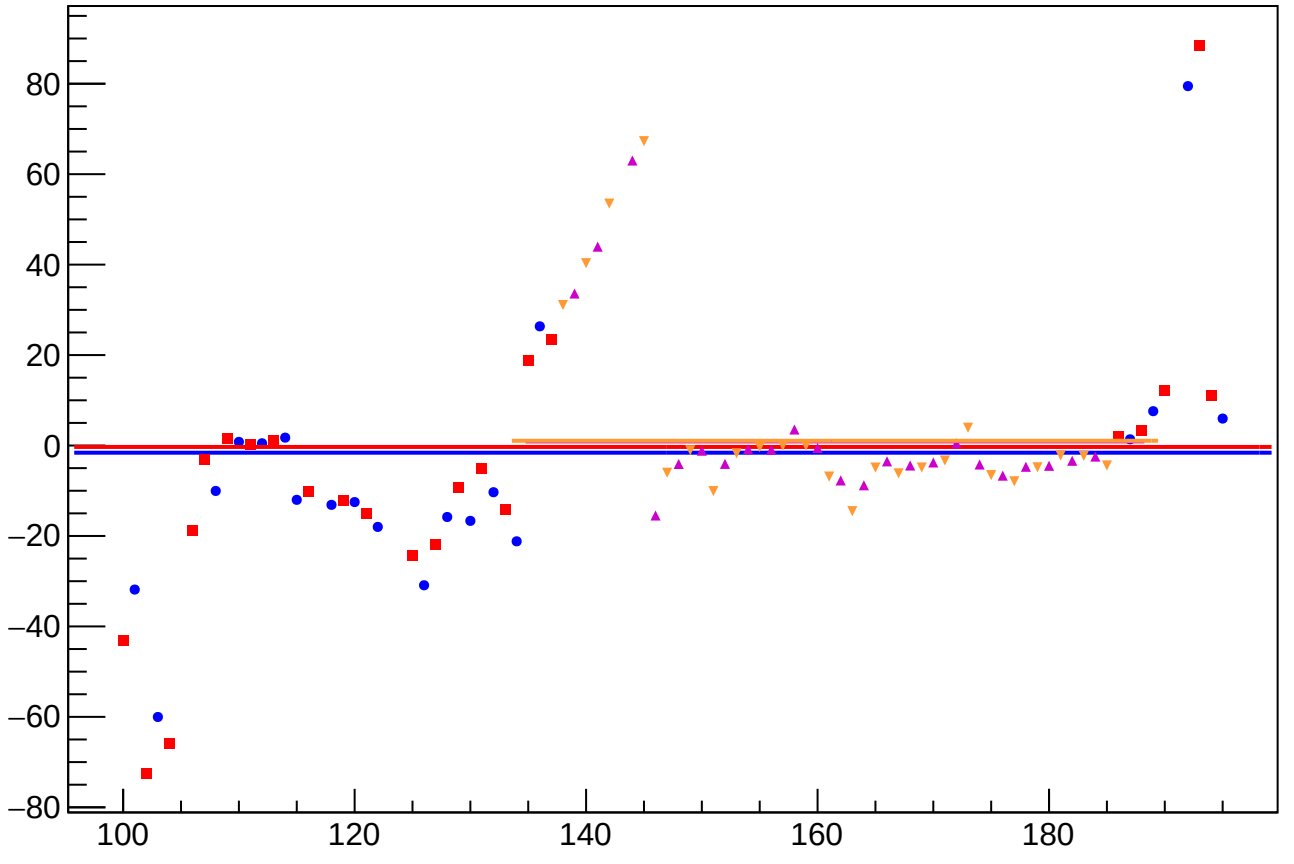
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: -0.001+/-0.002 χ^2/NDF: 63055.0/44

In: -0.046+/-0.001 χ^2/NDF:36241.1/42

Out: -0.046+/-0.001 χ^2/NDF:37609.2/49

All: -0.046+/-0.001 χ^2/NDF: 73850.3/92



Right In: -1.585+/-0.049 χ^2/NDF: 112544.3/19

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: -0.314+/-0.040 χ^2/NDF: 112258.0/22

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

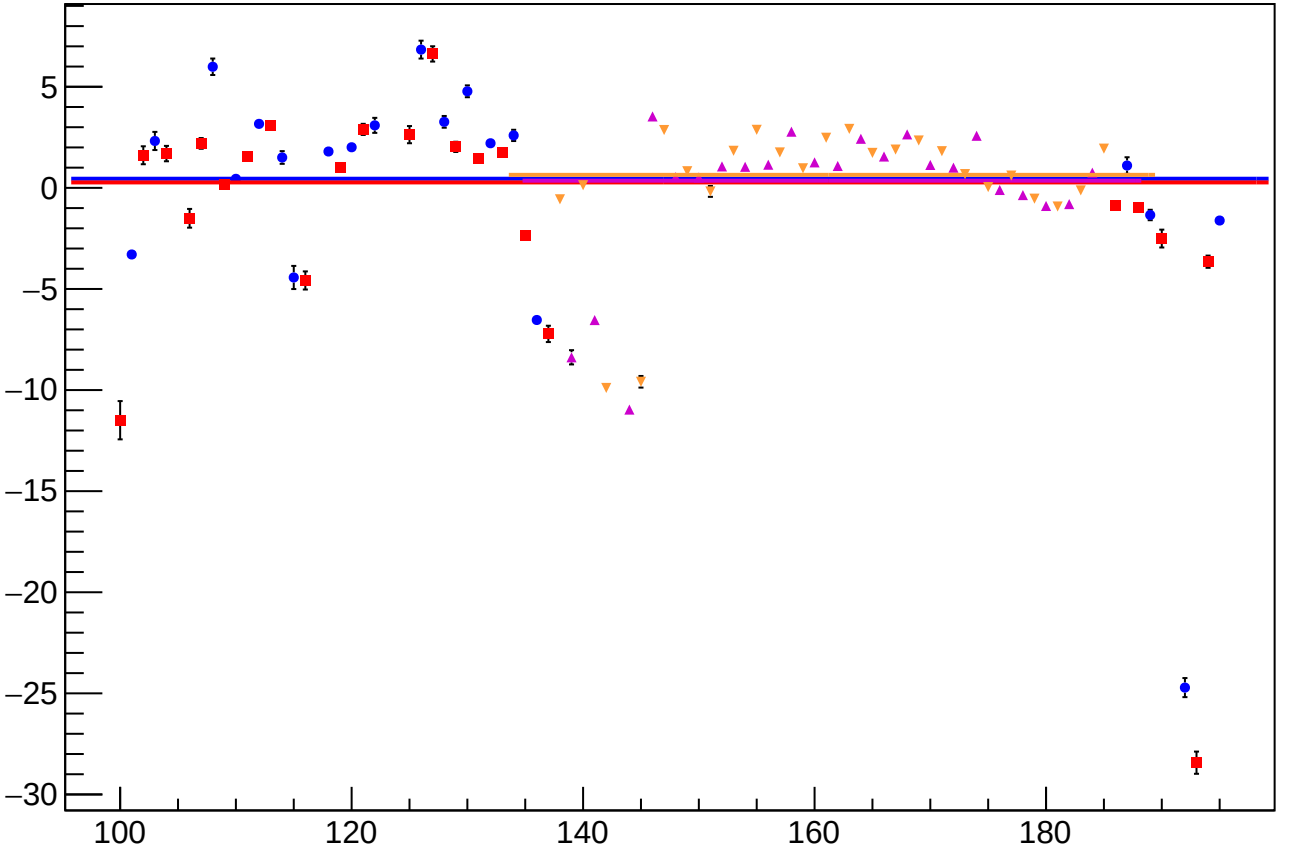
Right: -0.824+/-0.031 χ^2/NDF: 225200.8/42

In: -0.075+/-0.031 χ^2/NDF:246907.2/42

Out: 0.366+/-0.029 χ^2/NDF:243860.5/46

All: 0.163+/-0.021 χ^2/NDF: 490876.9/89

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.452+/-0.055 χ^2/NDF: 5726.4/19

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.269+/-0.051 χ^2/NDF: 4791.6/22

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

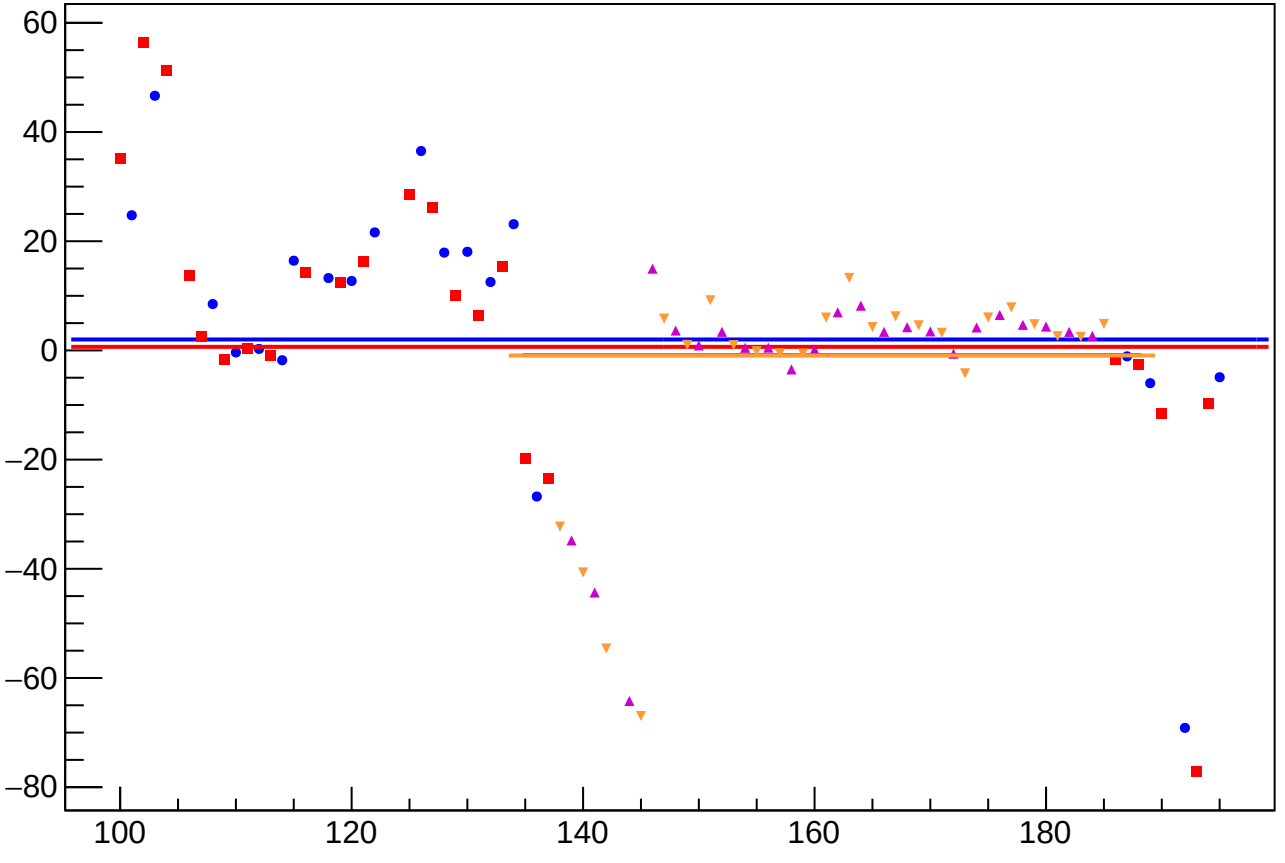
Right: 0.353+/-0.037 χ^2/NDF: 10524.0/42

In: 0.379+/-0.027 χ^2/NDF:12845.8/42

Out: 0.532+/-0.028 χ^2/NDF:9540.7/46

All: 0.454+/-0.019 χ^2/NDF: 22401.9/89

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.003+/-0.054 χ^2/NDF: 111365.5/19

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: 0.654+/-0.045 χ^2/NDF: 110630.3/22

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

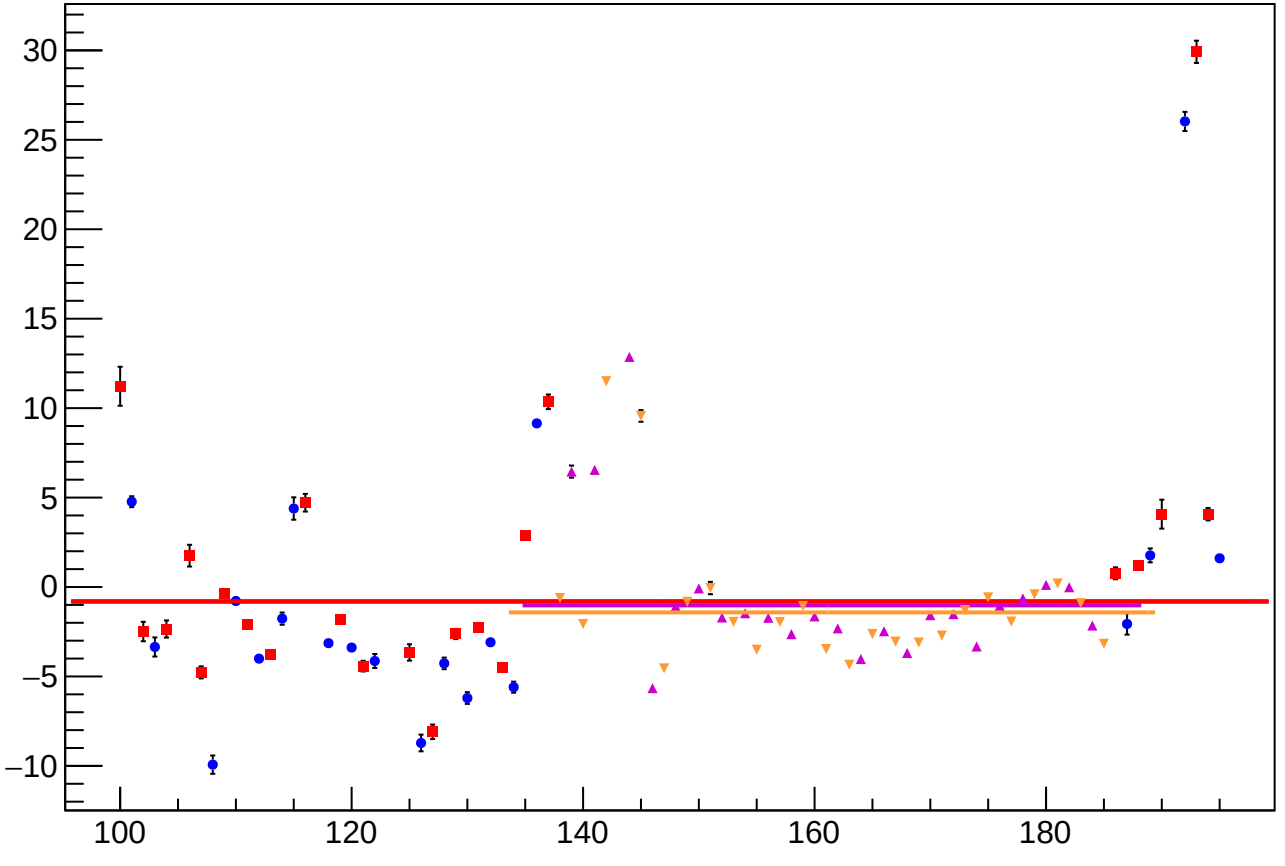
Right: 1.201+/-0.034 χ^2/NDF: 222364.6/42

In: 0.124+/-0.032 χ^2/NDF:242682.3/42

Out: -0.215+/-0.030 χ^2/NDF:237696.5/46

All: -0.055+/-0.022 χ^2/NDF: 480439.1/89

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.815+/-0.065 χ^2/NDF: 7343.6/19

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.795+/-0.060 χ^2/NDF: 5371.8/22

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

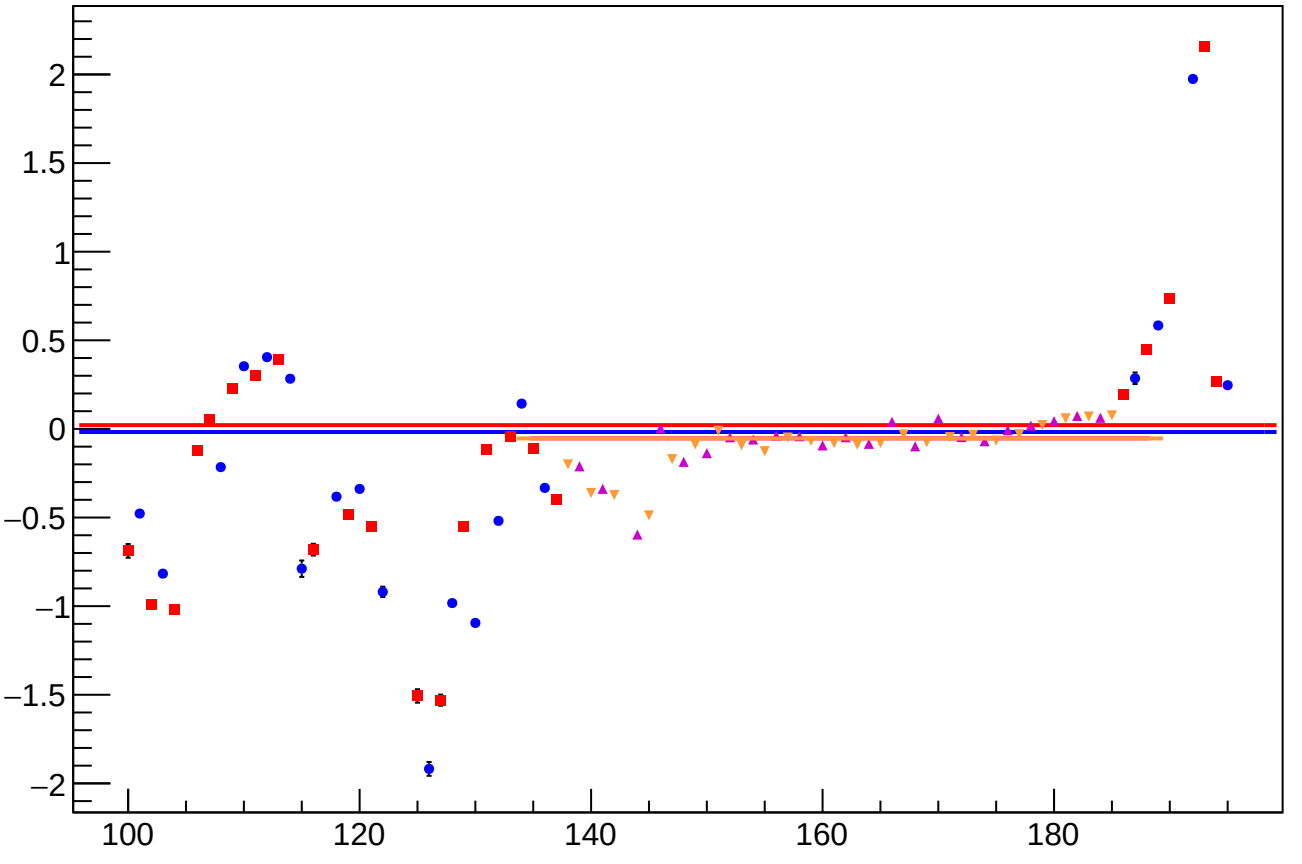
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -0.804+/-0.044 χ^2/NDF: 12715.5/42

In: -0.979+/-0.031 χ^2/NDF:14399.0/42

Out: -1.249+/-0.031 χ^2/NDF:10093.4/46

All: -1.111+/-0.022 χ^2/NDF: 24530.7/89



Right In: -0.017+/-0.003 χ^2/NDF: 32494.9/19

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.021+/-0.003 χ^2/NDF: 32083.0/22

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

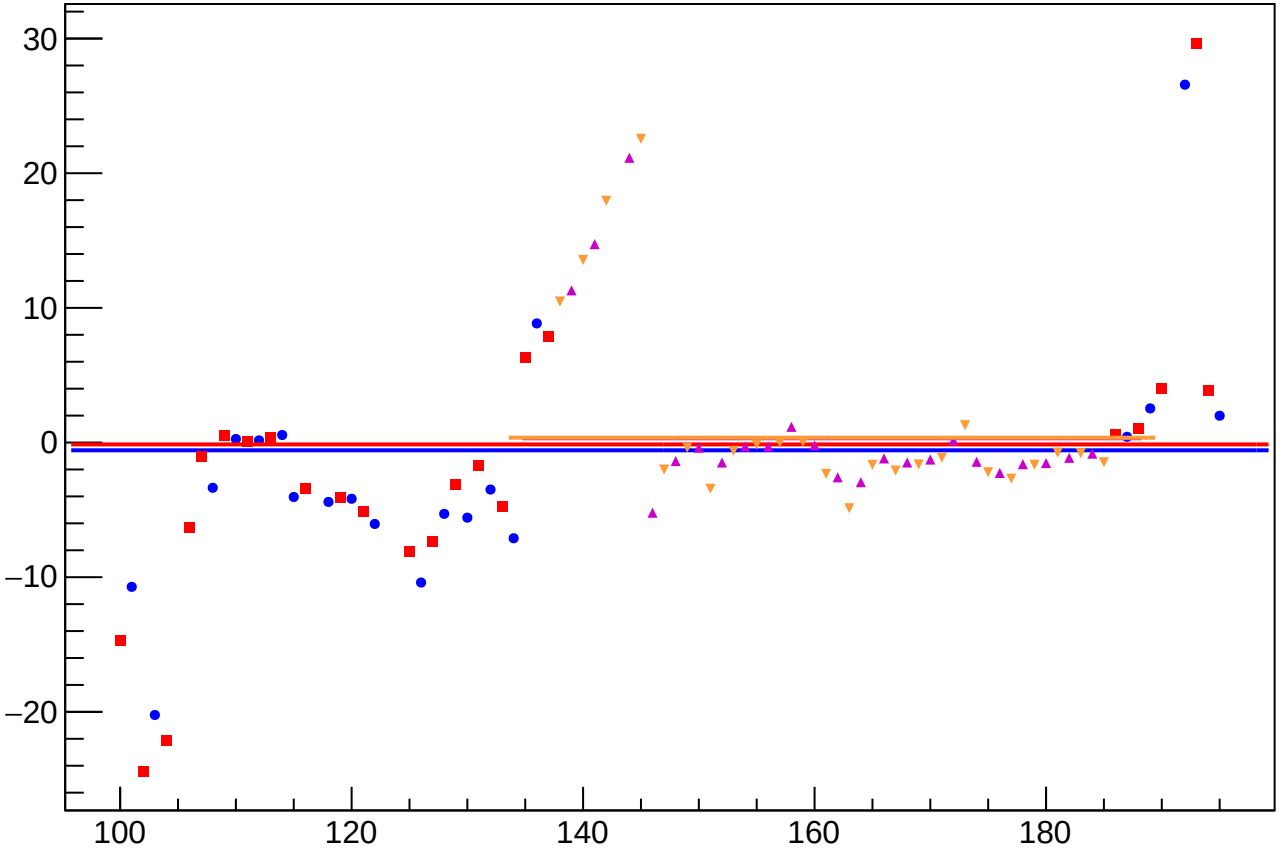
Right: 0.003+/-0.002 χ^2/NDF: 64644.2/42

In: -0.047+/-0.001 χ^2/NDF:37598.4/42

Out: -0.040+/-0.001 χ^2/NDF:36841.5/46

All: -0.044+/-0.001 χ^2/NDF: 74455.6/89

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.577+/-0.017 χ^2/NDF: 110582.5/19

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.140+/-0.014 χ^2/NDF: 110551.1/22

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

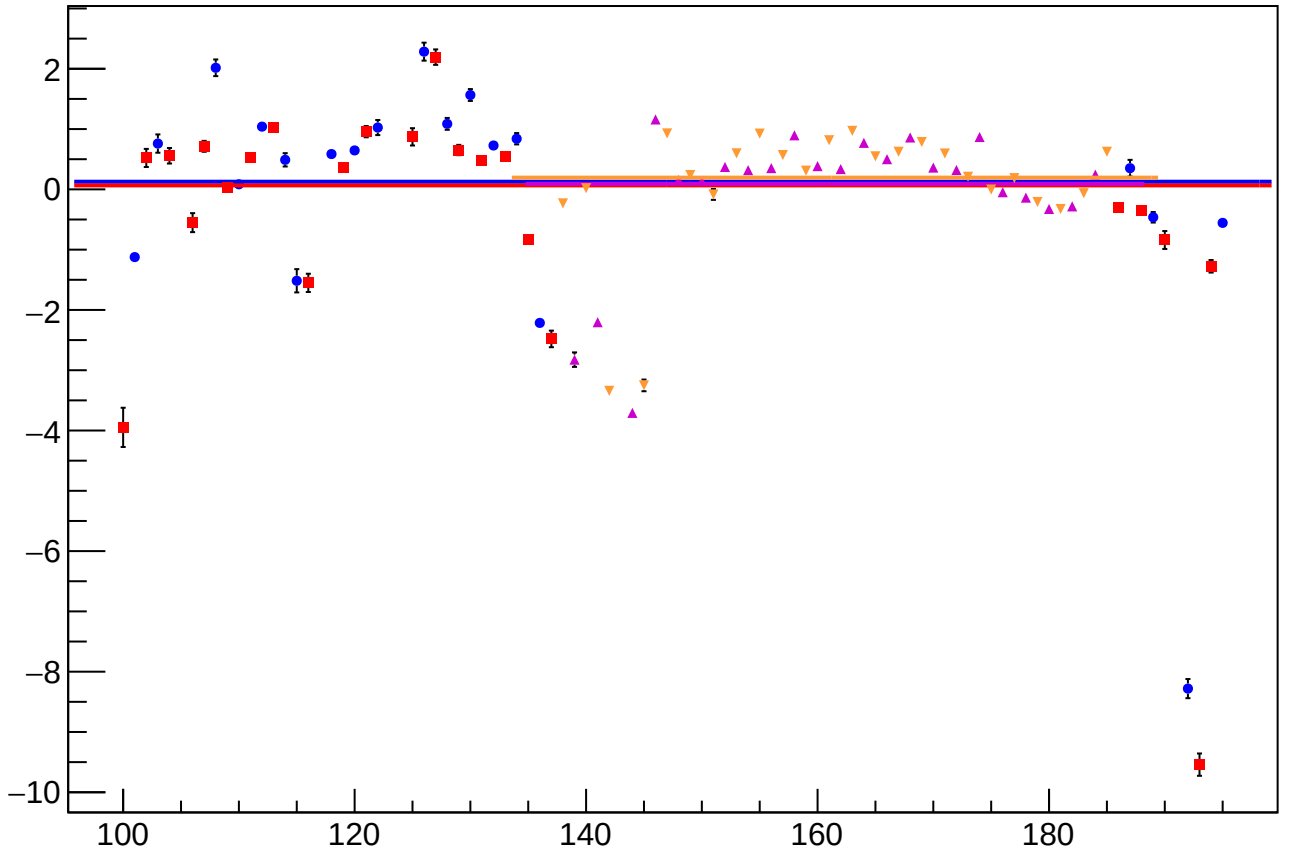
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -0.317+/-0.011 χ^2/NDF: 221530.3/42

In: -0.035+/-0.011 χ^2/NDF:242499.1/42

Out: 0.110+/-0.010 χ^2/NDF:240025.4/46

All: 0.043+/-0.007 χ^2/NDF: 482625.4/89



Right In: 0.127+/-0.019 χ^2/NDF: 5618.6/19

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.066+/-0.017 χ^2/NDF: 4717.6/22

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

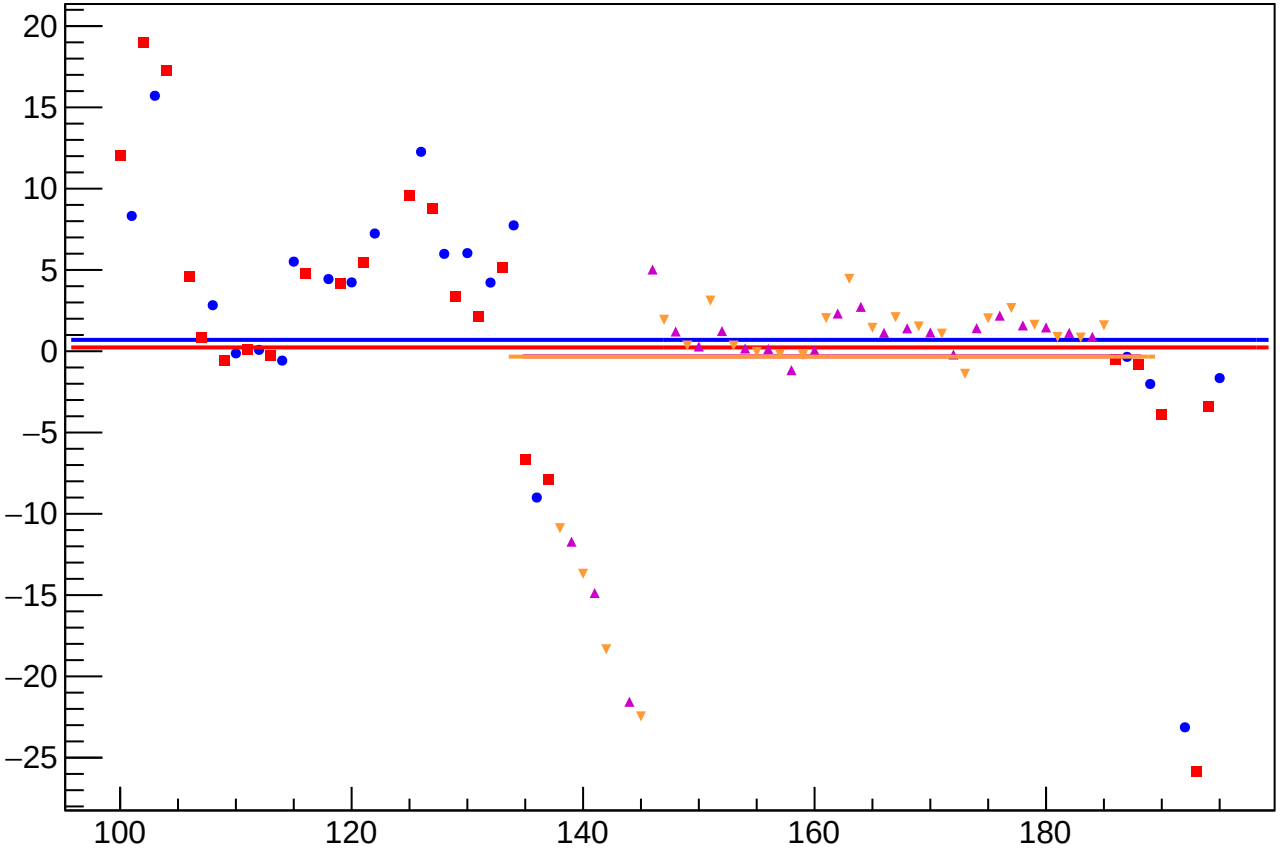
Right: 0.094+/-0.013 χ^2/NDF: 10341.8/42

In: 0.100+/-0.009 χ^2/NDF:12557.7/42

Out: 0.156+/-0.010 χ^2/NDF:9400.9/46

All: 0.128+/-0.007 χ^2/NDF: 21976.5/89

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.699+/-0.019 χ^2/NDF: 109451.0/19

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: 0.234+/-0.015 χ^2/NDF: 108985.8/22

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

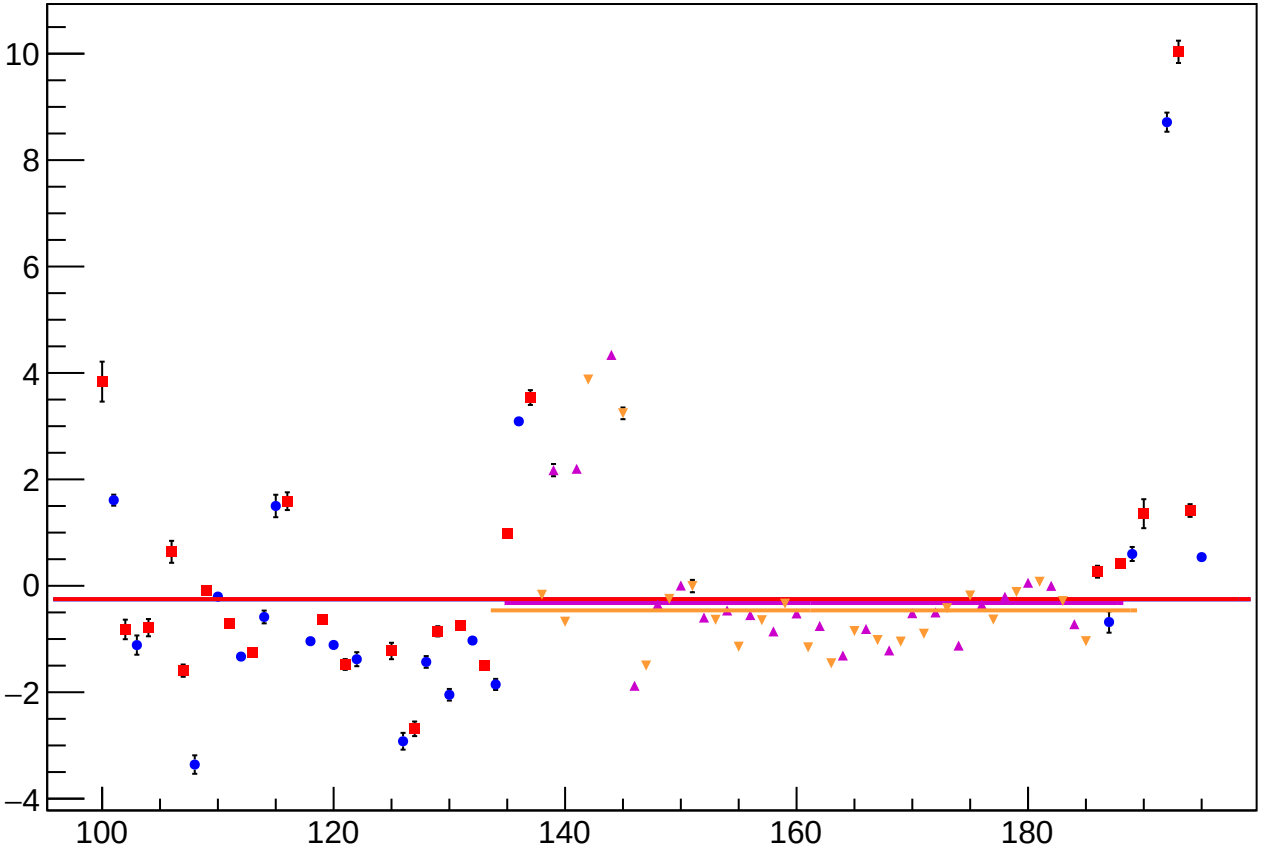
Right: 0.423+/-0.012 χ^2/NDF: 218810.7/42

In: 0.035+/-0.011 χ^2/NDF:238404.9/42

Out: -0.077+/-0.010 χ^2/NDF:233972.7/46

All: -0.024+/-0.007 χ^2/NDF: 472434.0/89

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.255+/-0.022 χ^2/NDF: 7196.3/19

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.250+/-0.021 χ^2/NDF: 5290.5/22

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

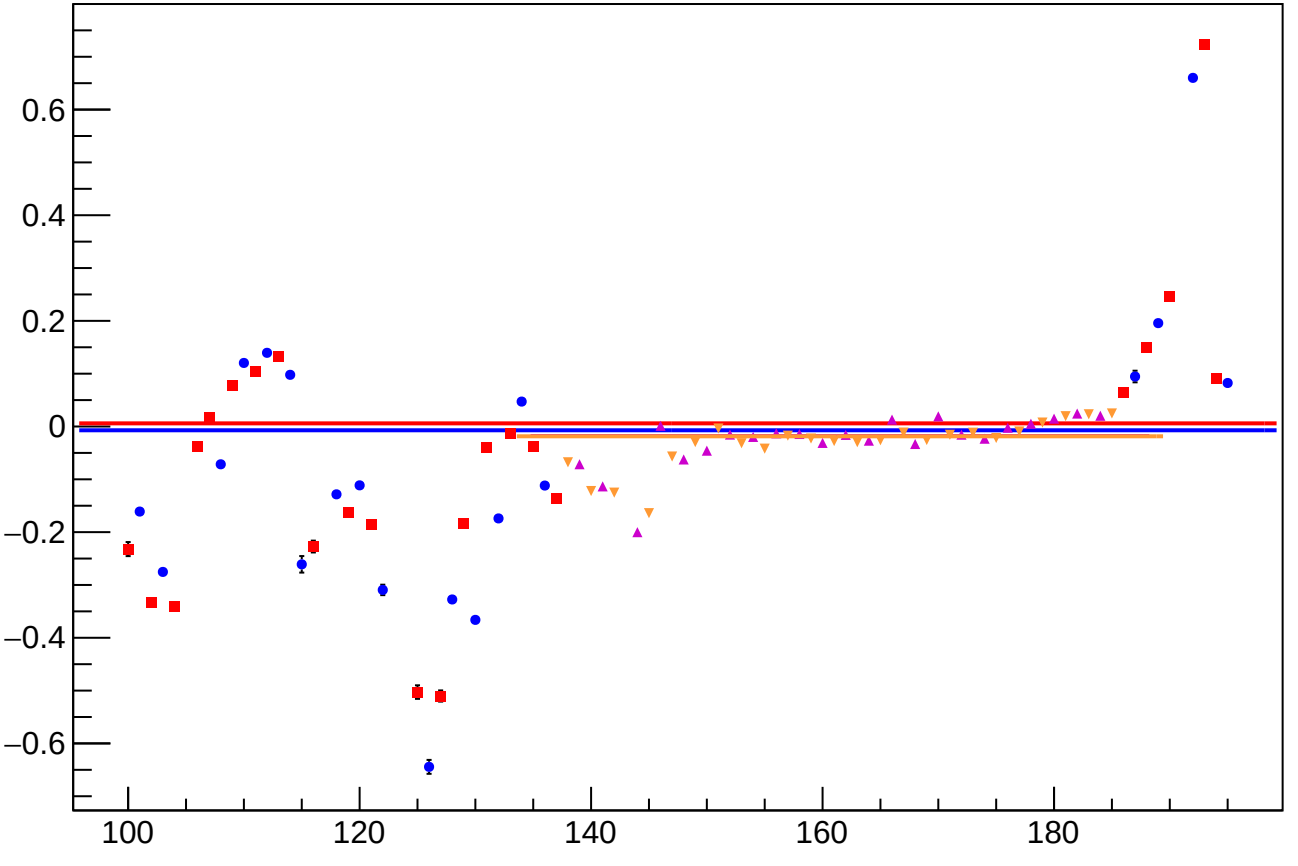
Right: -0.252+/-0.015 χ^2/NDF: 12486.7/42

In: -0.308+/-0.010 χ^2/NDF:14085.4/42

Out: -0.404+/-0.011 χ^2/NDF:9947.9/46

All: -0.355+/-0.007 χ^2/NDF: 24074.8/89

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.007+/-0.001 χ^2/NDF: 31921.1/19

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.006+/-0.001 χ^2/NDF: 31498.1/22

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

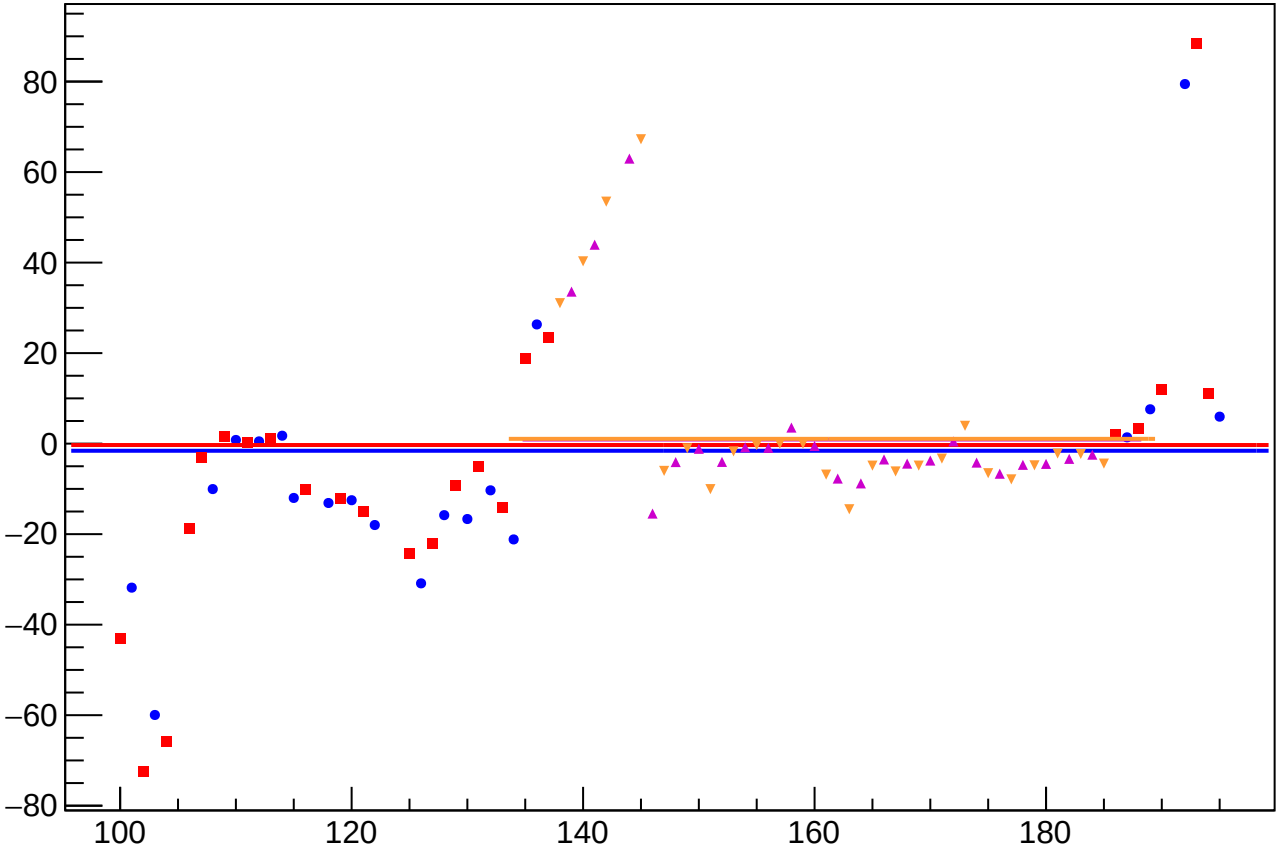
Right: -0.000+/-0.001 χ^2/NDF: 63484.6/42

In: -0.016+/-0.000 χ^2/NDF:36873.7/42

Out: -0.014+/-0.000 χ^2/NDF:36105.0/46

All: -0.015+/-0.000 χ^2/NDF: 72990.4/89

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.575+/-0.049 χ^2/NDF: 112571.5/19

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: -0.309+/-0.040 χ^2/NDF: 112278.6/22

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

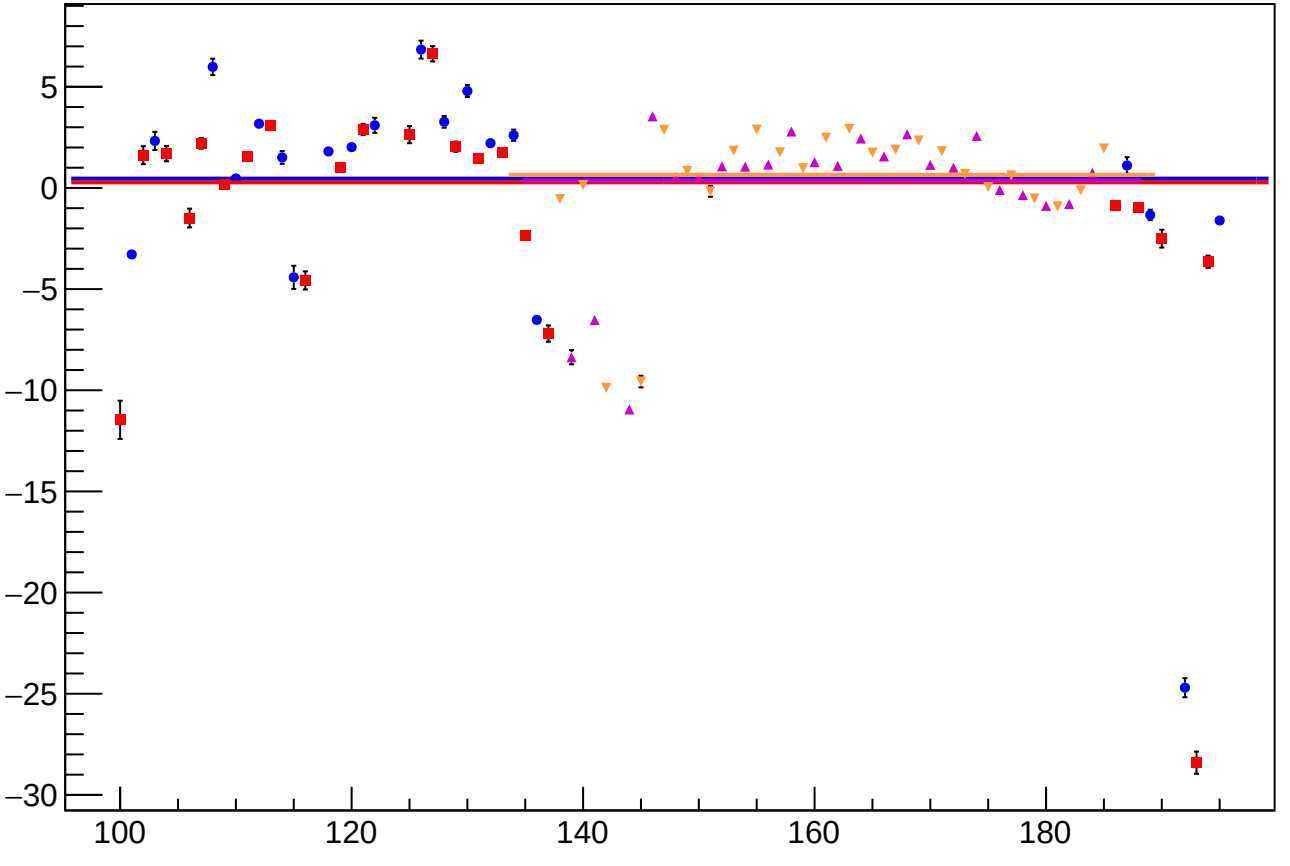
Right: -0.817+/-0.031 χ^2/NDF: 225247.3/42

In: -0.070+/-0.031 χ^2/NDF:246938.5/42

Out: 0.370+/-0.029 χ^2/NDF:243860.6/46

All: 0.168+/-0.021 χ^2/NDF: 490908.3/89

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.461+/-0.055 χ^2/NDF: 5728.8/19

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.277+/-0.051 χ^2/NDF: 4791.9/22

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

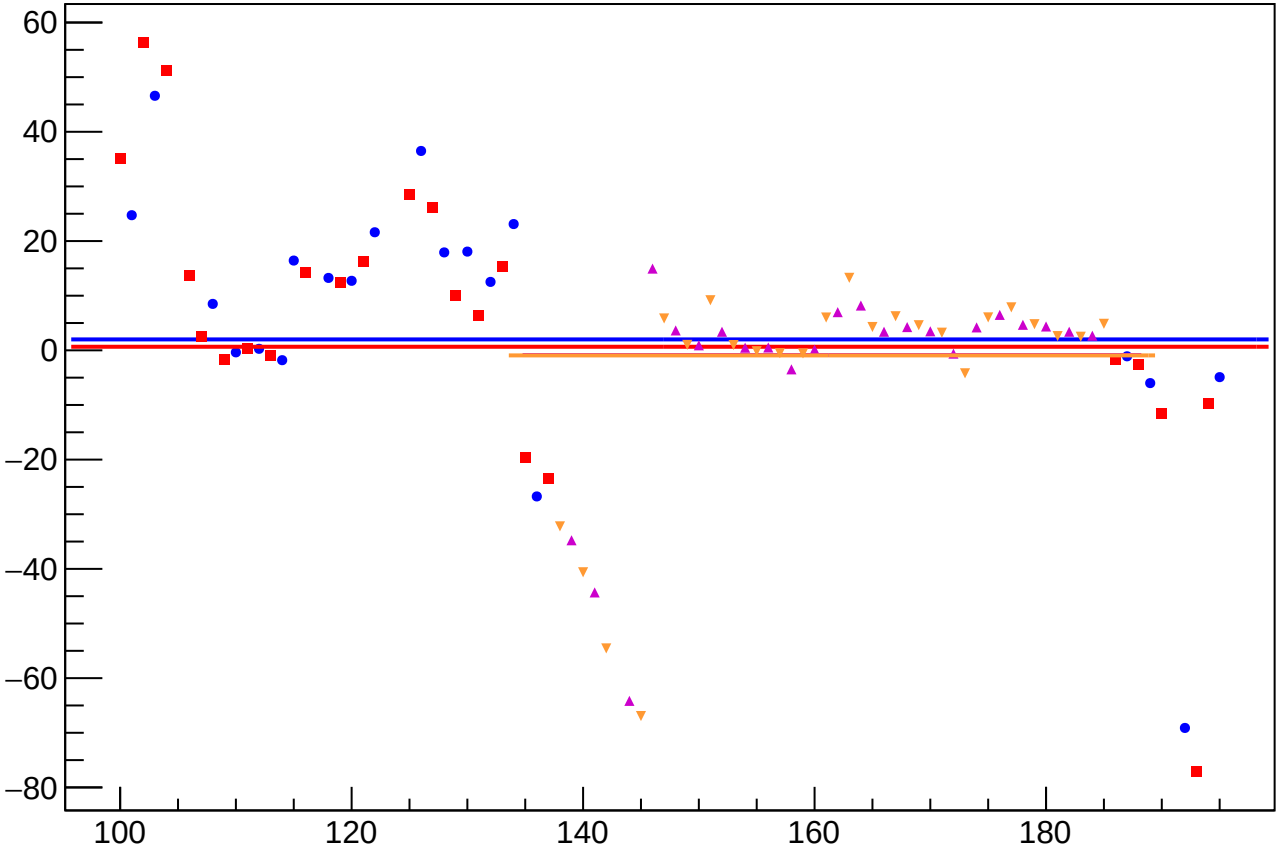
Right: 0.361+/-0.037 χ^2/NDF: 10526.7/42

In: 0.388+/-0.027 χ^2/NDF:12853.5/42

Out: 0.539+/-0.028 χ^2/NDF:9538.8/46

All: 0.462+/-0.019 χ^2/NDF: 22407.6/89

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.000+/-0.054 χ^2/NDF: 111389.3/19

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: 0.654+/-0.045 χ^2/NDF: 110646.0/22

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

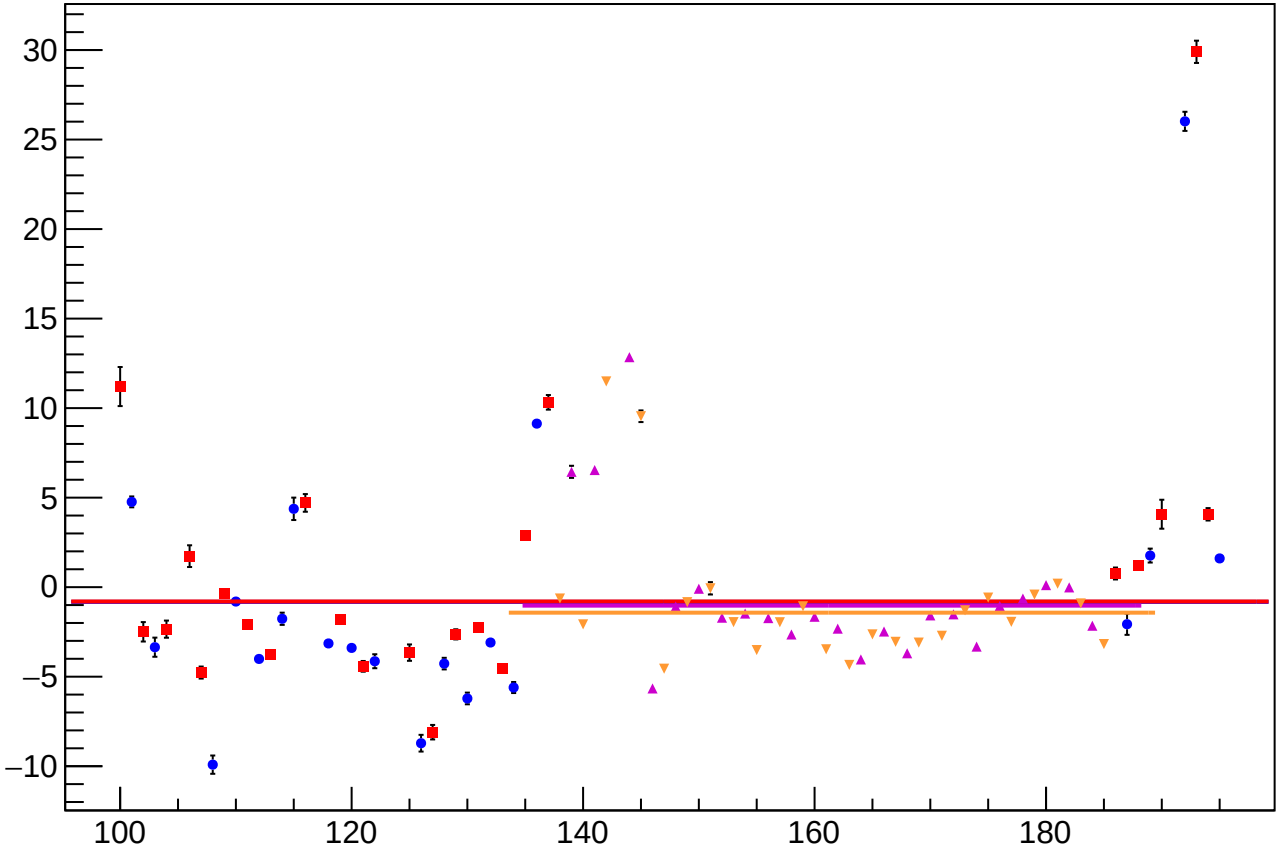
Right: 1.199+/-0.034 χ^2/NDF: 222402.6/42

In: 0.125+/-0.032 χ^2/NDF:242707.1/42

Out: -0.214+/-0.030 χ^2/NDF:237693.3/46

All: -0.054+/-0.022 χ^2/NDF: 480460.8/89

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.821+/-0.064 χ^2/NDF: 7345.8/19

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.799+/-0.060 χ^2/NDF: 5370.7/22

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

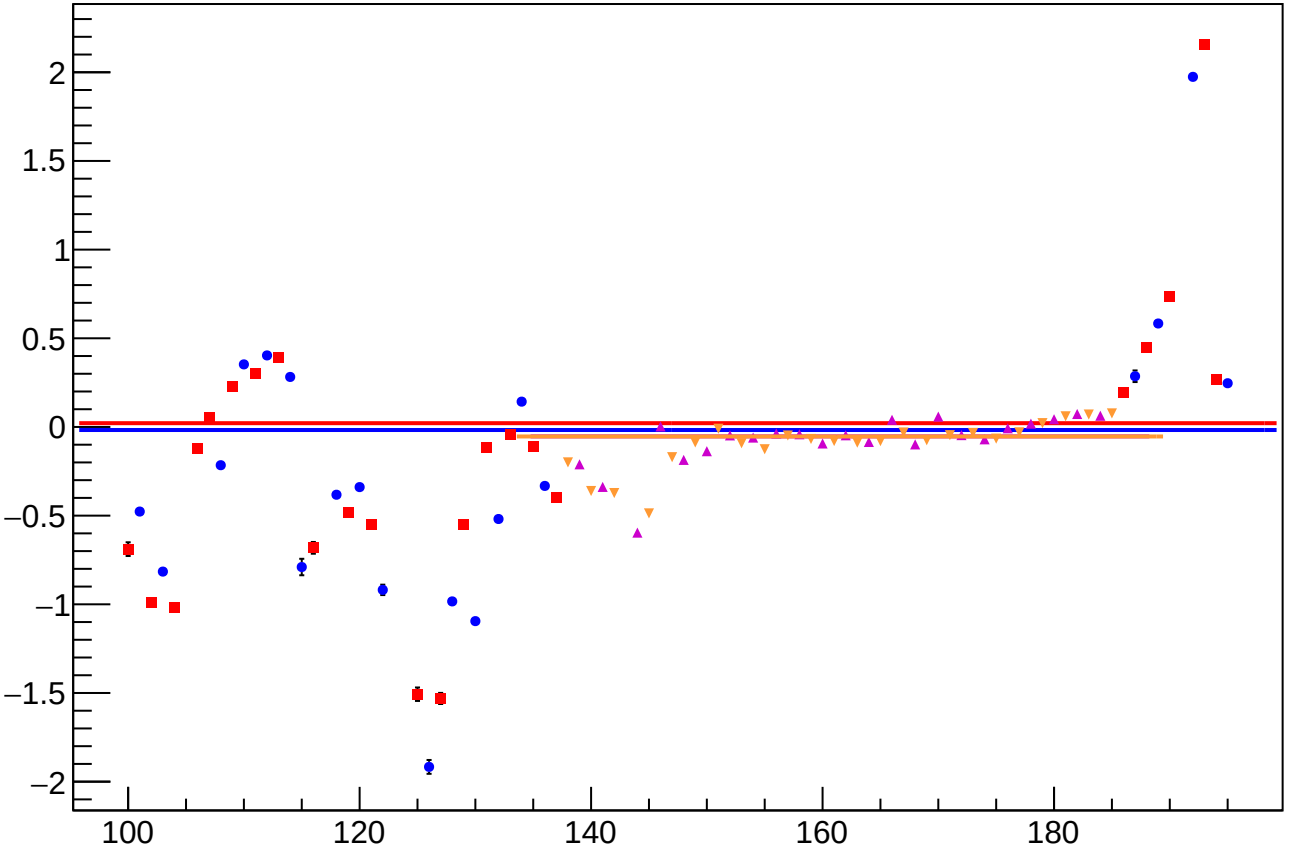
Right: -0.809+/-0.044 χ^2/NDF: 12716.6/42

In: -0.985+/-0.031 χ^2/NDF:14405.4/42

Out: -1.254+/-0.031 χ^2/NDF:10090.0/46

All: -1.116+/-0.022 χ^2/NDF: 24533.4/89

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.017+/-0.003 χ^2/NDF: 32503.6/19

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.021+/-0.003 χ^2/NDF: 32096.9/22

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

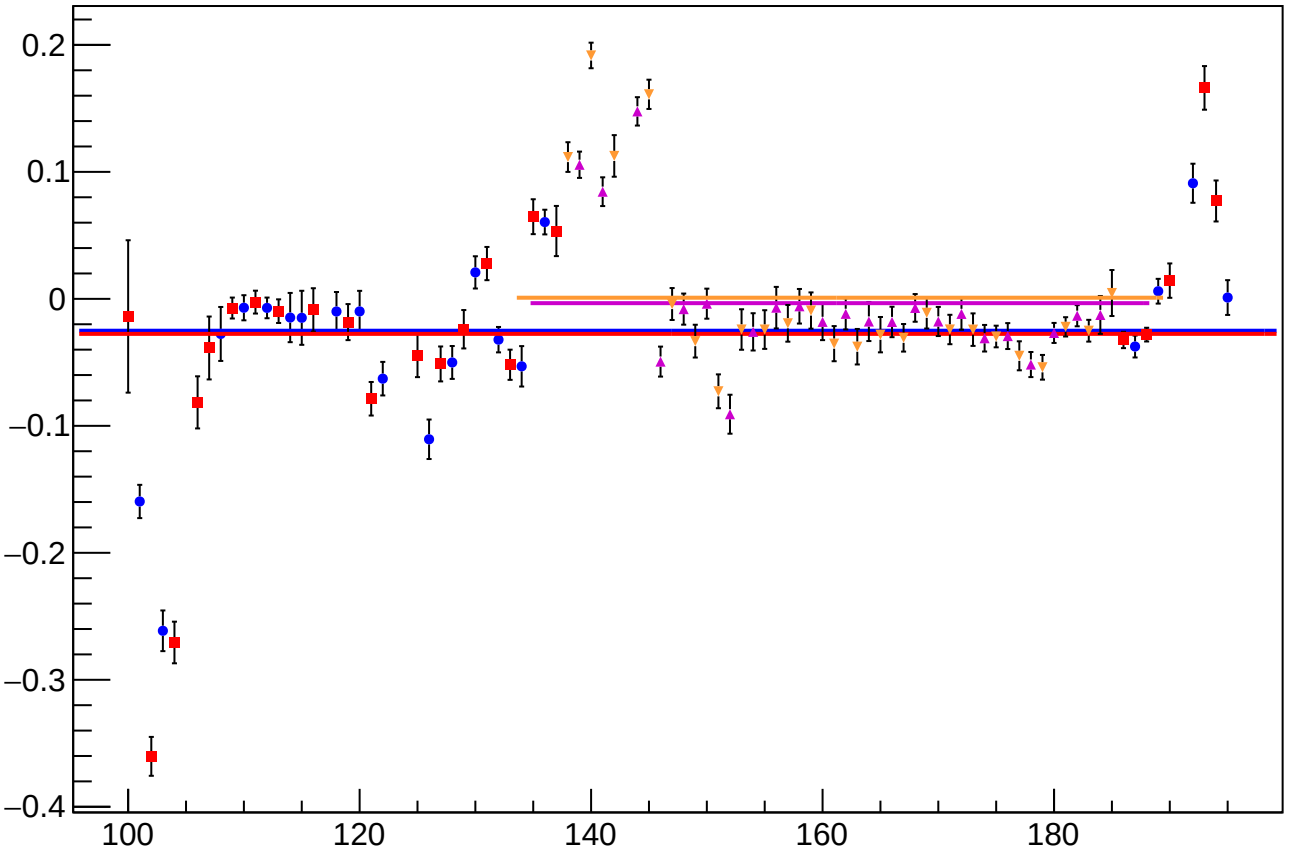
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.003+/-0.002 χ^2/NDF: 64667.0/42

In: -0.047+/-0.001 χ^2/NDF:37611.2/42

Out: -0.039+/-0.001 χ^2/NDF:36856.8/46

All: -0.044+/-0.001 χ^2/NDF: 74484.1/89



Right In: -0.025+/-0.003 χ^2/NDF: 542.9/19

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.028+/-0.002 χ^2/NDF: 1000.4/22

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

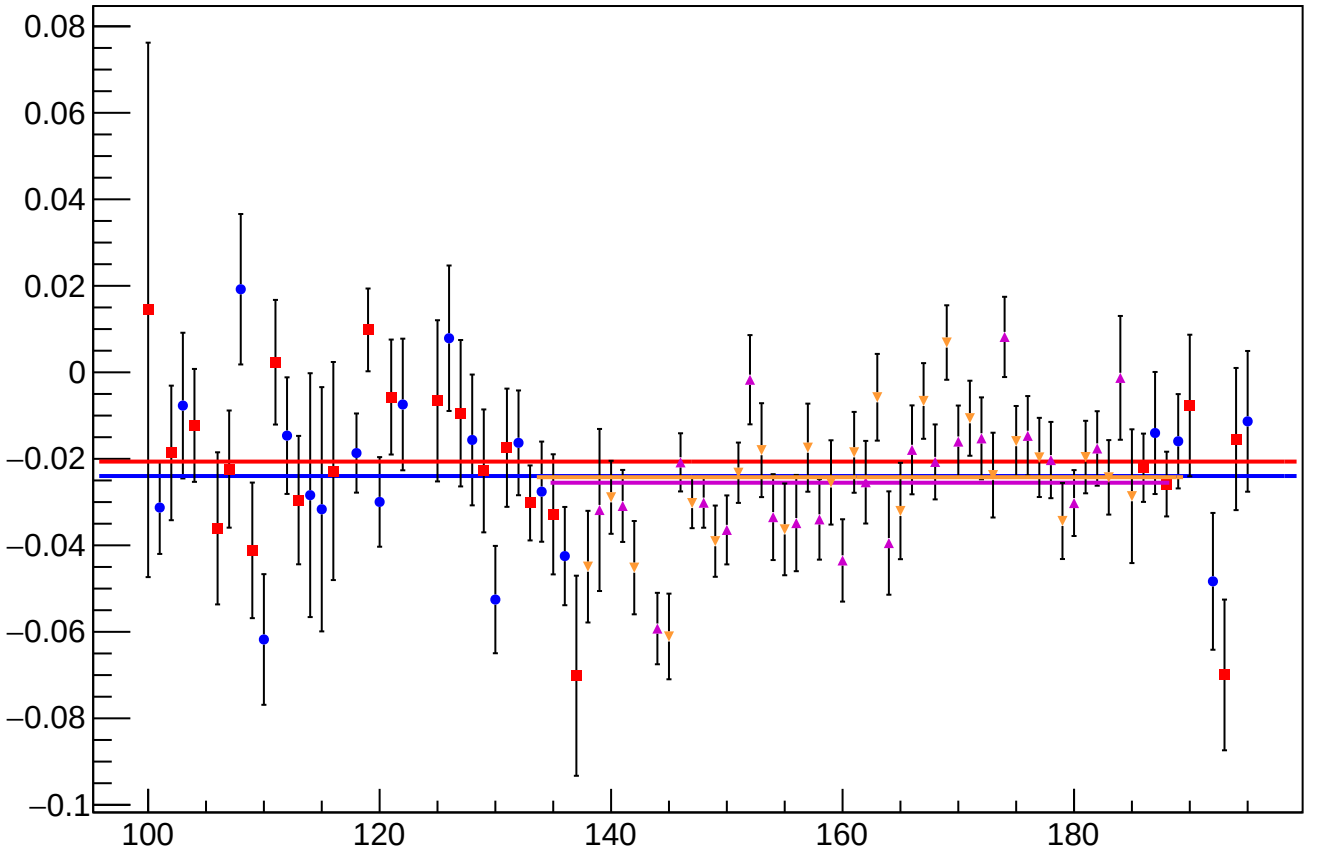
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.026+/-0.002 χ^2/NDF: 1543.7/42

In: -0.013+/-0.002 χ^2/NDF:1035.9/42

Out: -0.013+/-0.002 χ^2/NDF:1919.9/46

All: -0.013+/-0.001 χ^2/NDF: 2955.7/89



Right In: -0.024+/-0.003 χ^2/NDF: 32.6/19

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.021+/-0.003 χ^2/NDF: 34.5/22

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

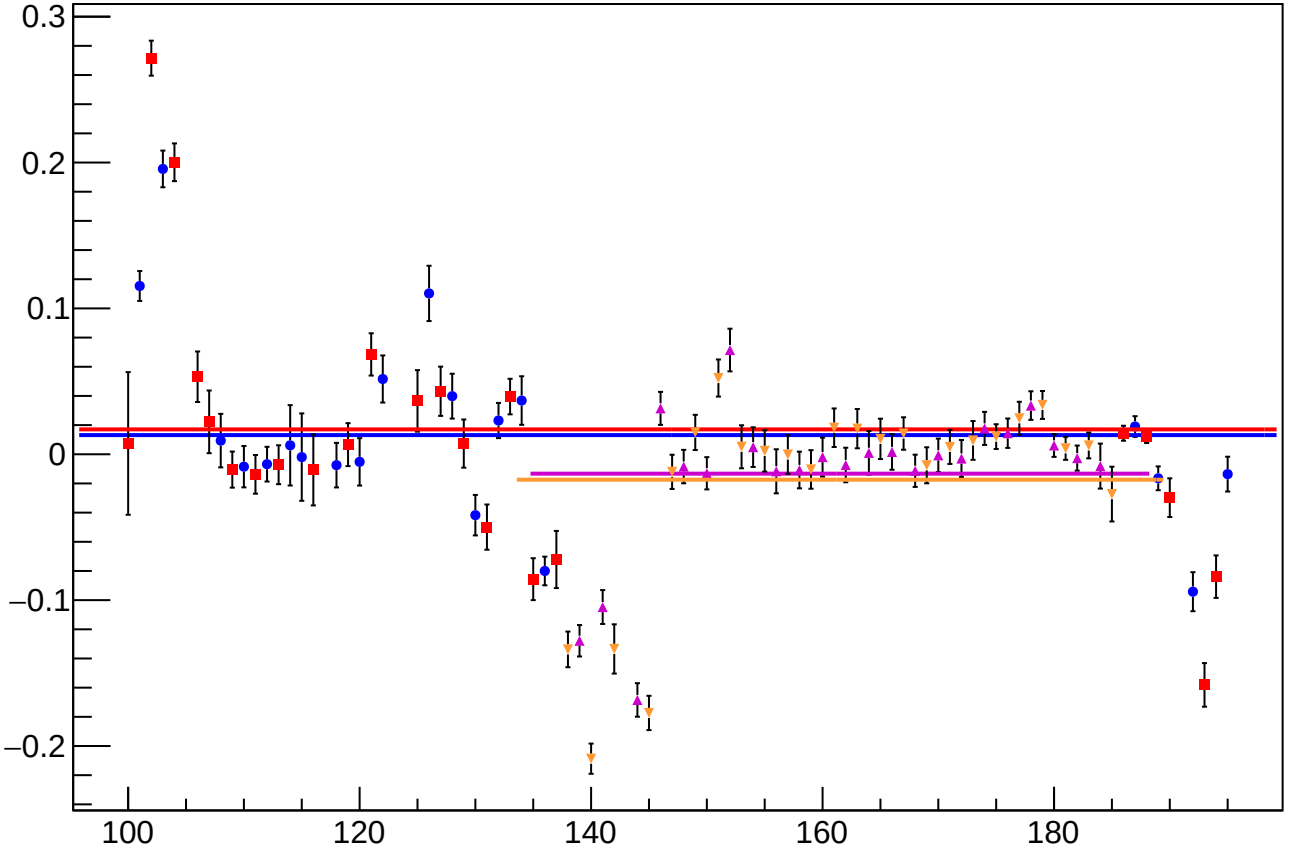
Right: -0.022+/-0.002 χ^2/NDF: 67.7/42

In: -0.025+/-0.002 χ^2/NDF:87.8/42

Out: -0.023+/-0.002 χ^2/NDF:89.4/46

All: -0.024+/-0.001 χ^2/NDF: 178.0/89

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.013+/-0.003 χ^2/NDF: 545.3/19

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.017+/-0.002 χ^2/NDF: 979.9/22

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

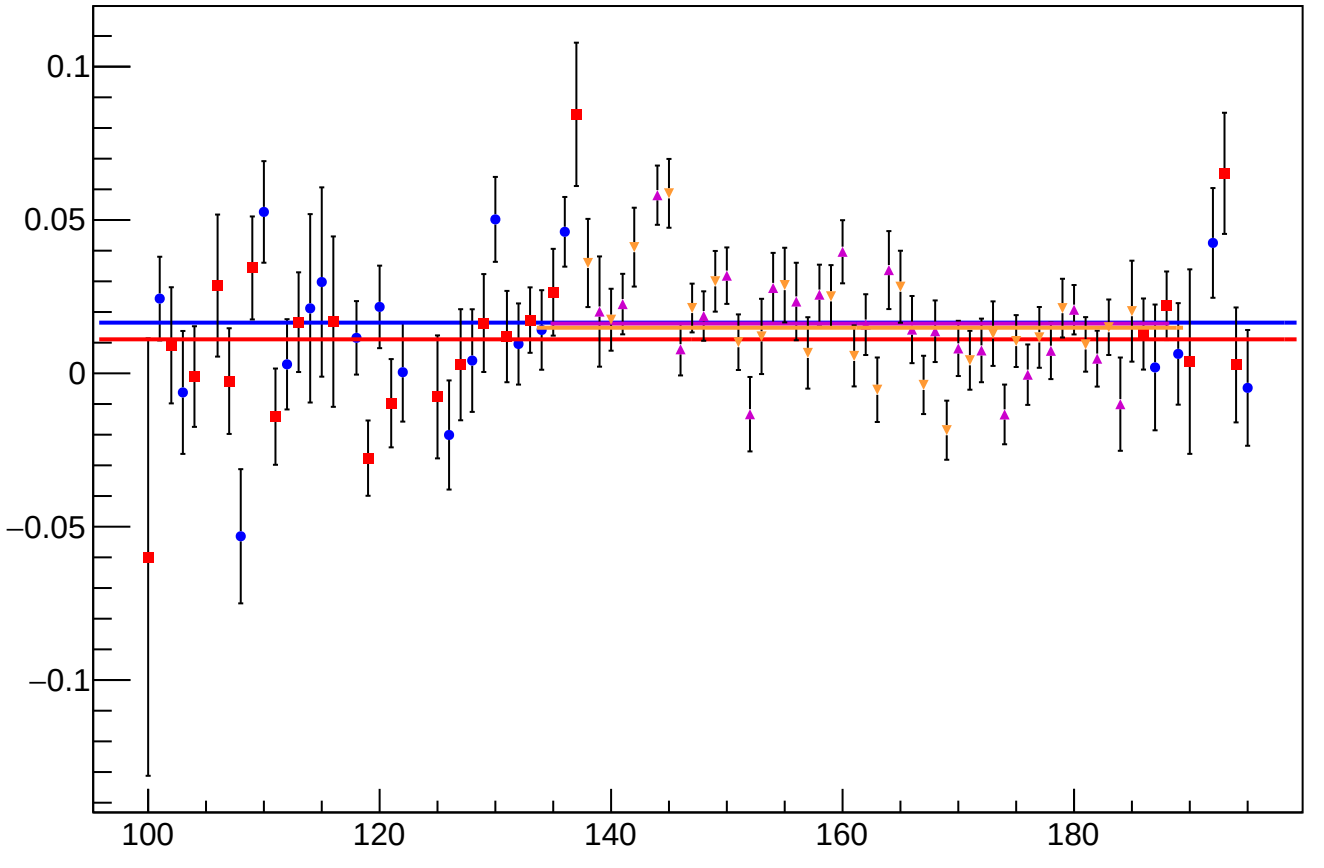
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

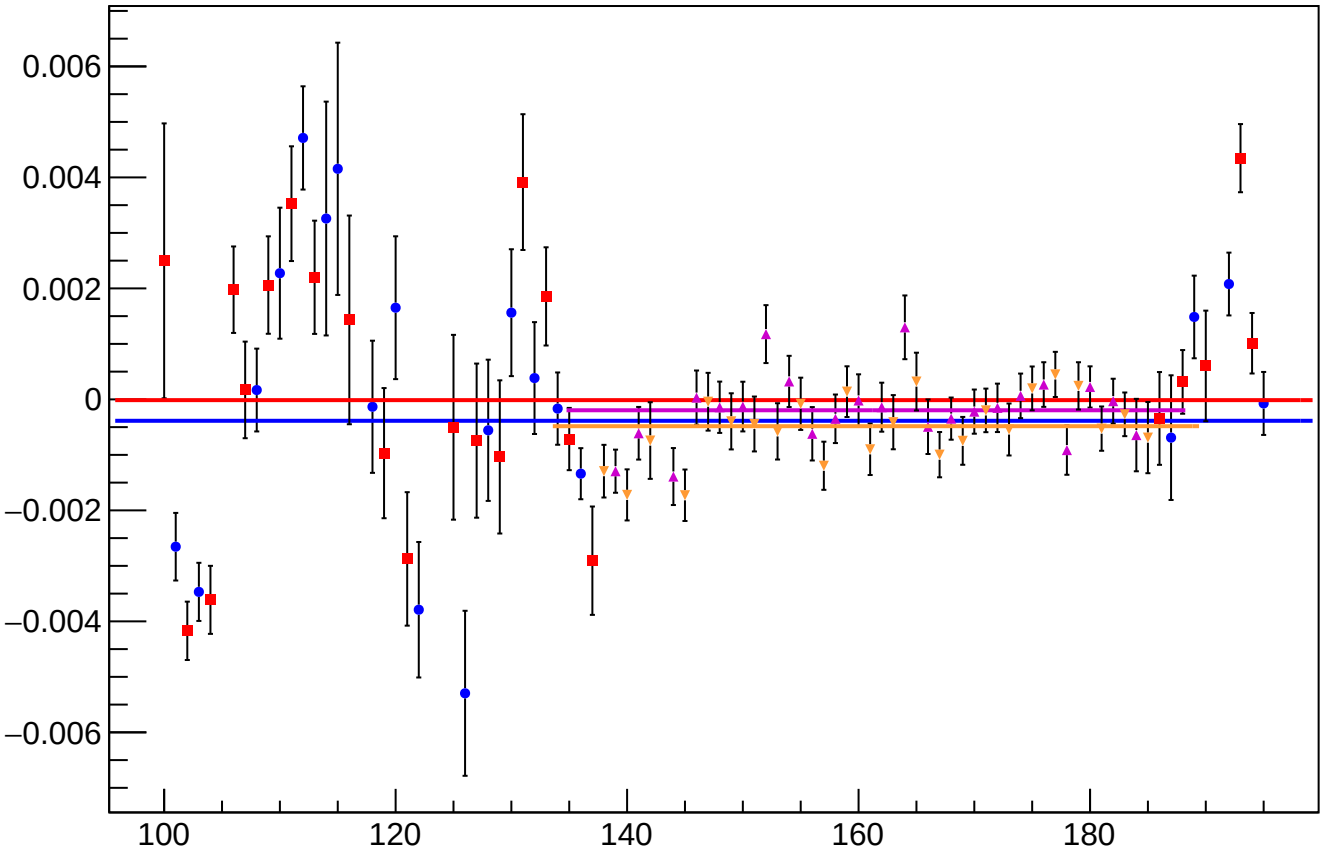
Right: 0.015+/-0.002 χ^2/NDF: 1526.3/42

In: -0.002+/-0.002 χ^2/NDF:1055.1/42

Out: 0.000+/-0.002 χ^2/NDF:1898.5/46

All: -0.001+/-0.001 χ^2/NDF: 2954.5/89


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
Right In: 0.017+/-0.004 χ²/NDF: 41.0/19
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 40.8/22
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.014+/-0.002 χ²/NDF: 83.0/42
In: 0.016+/-0.002 χ²/NDF:98.9/42
Out: 0.014+/-0.002 χ²/NDF:93.7/46
All: 0.015+/-0.001 χ²/NDF: 193.7/89



Right In: -0.000+/-0.000 χ^2/NDF: 146.0/19

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 214.3/22

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

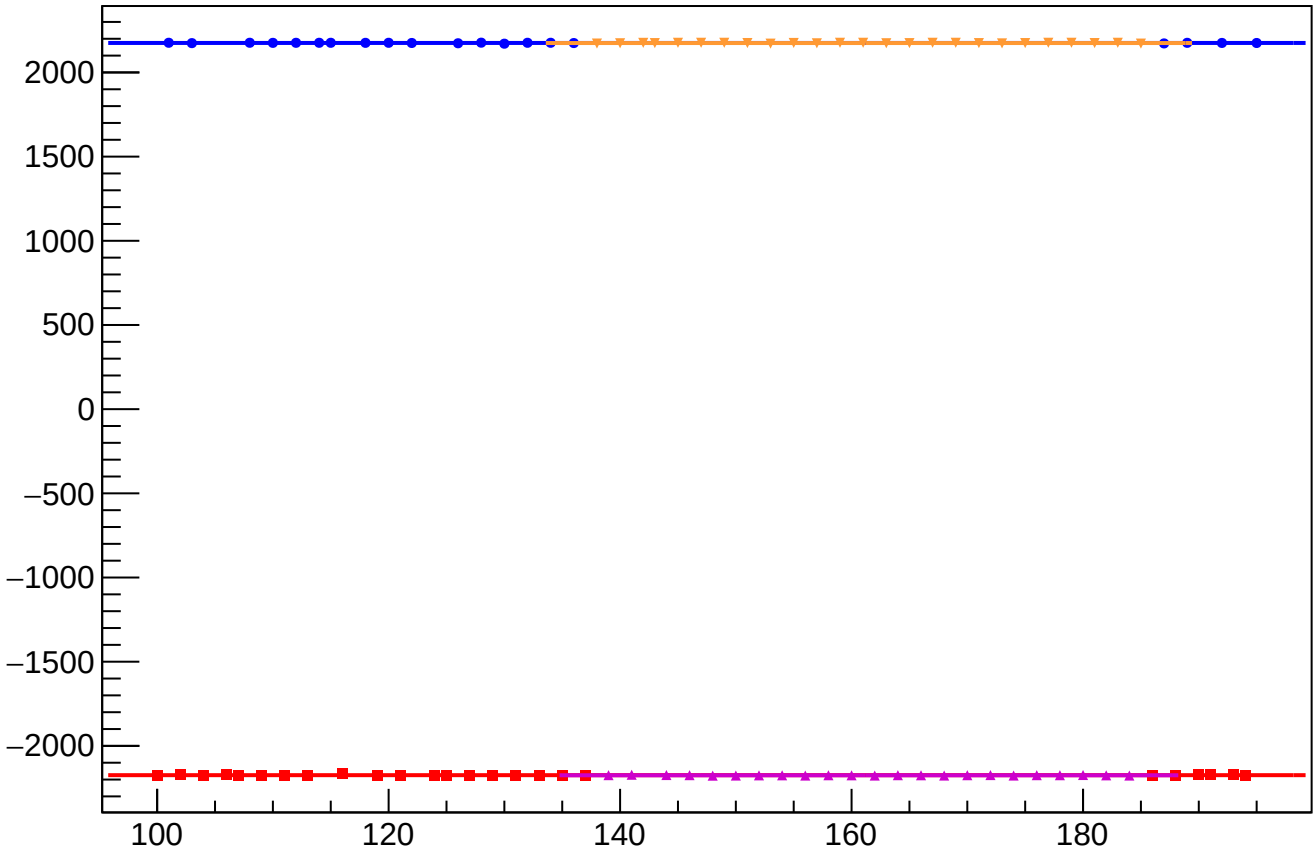
Right: -0.000+/-0.000 χ^2/NDF: 362.5/42

In: -0.000+/-0.000 χ^2/NDF:184.1/42

Out: -0.000+/-0.000 χ^2/NDF:260.9/46

All: -0.000+/-0.000 χ^2/NDF: 446.4/89

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.171+/-0.000 χ^2/NDF: 19482825565855141706710737045422208.0/19

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517122.0/24

Right Out: -2173.950+/-0.000 χ^2/NDF: 90123113027493562813667783108199840.0/24

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520.0/22

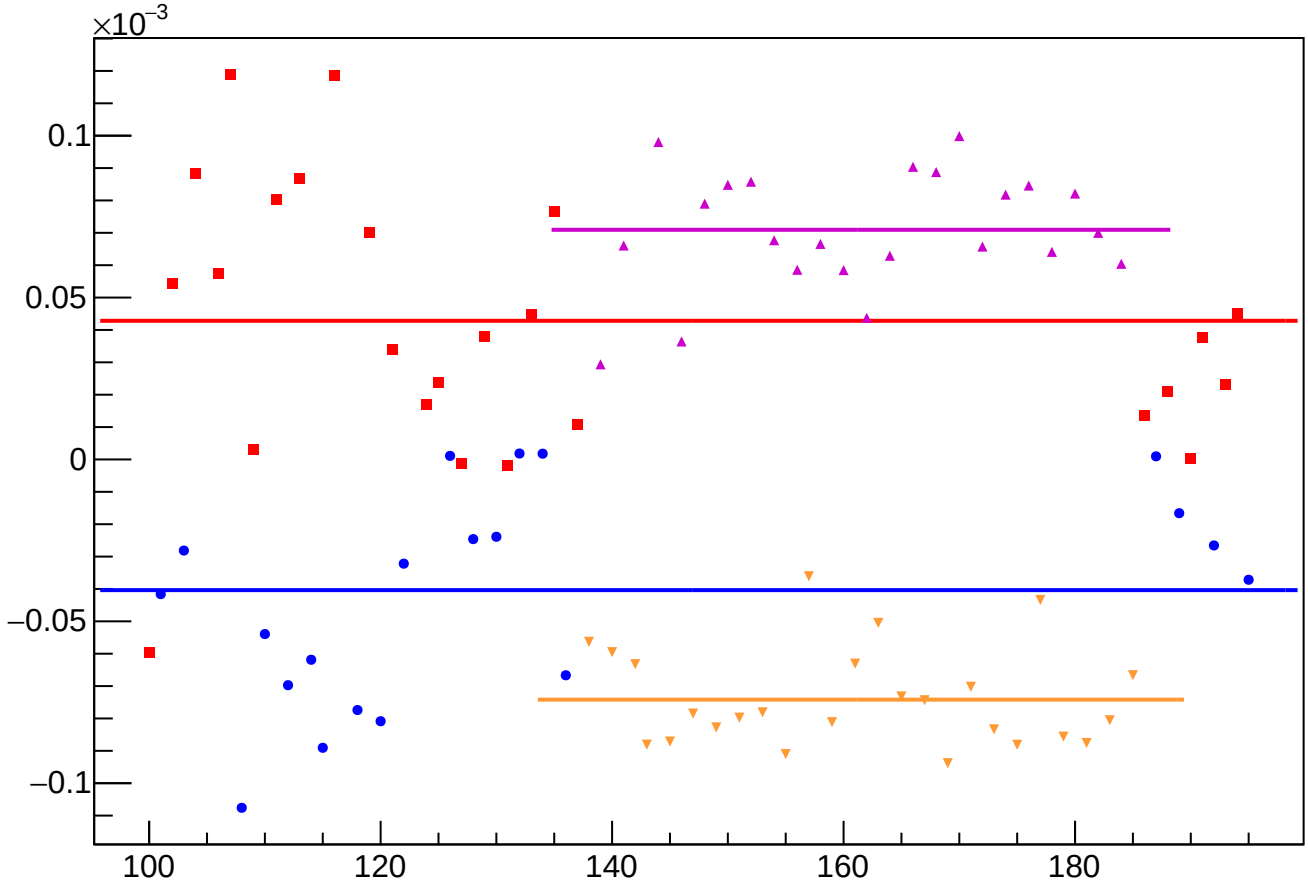
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -133.647+/-0.000 χ^2/NDF: 10071463627361

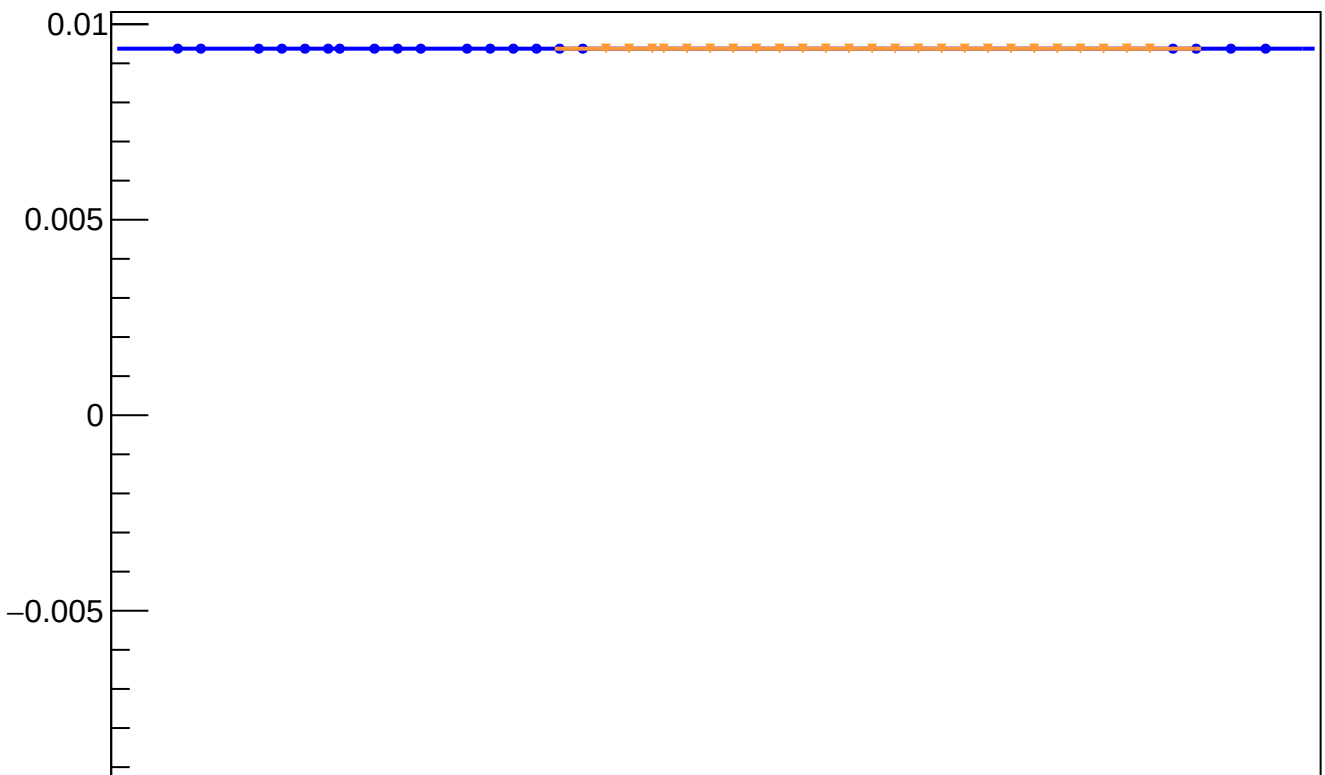
In: -674.816+/-0.000 χ^2/NDF:1243390639061820

Out: 609.259+/-0.000 χ^2/NDF:1373697258678532

All: -6.936+/-0.000 χ^2/NDF: 2866566180043


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 8143009975837517718487040.0/19
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1237886741399992153407488.0/24
Left In: 0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 57369405103994852
In: 0.000+/-0.000 χ²/NDF:9586500996680051048
Out: -0.000+/-0.000 χ²/NDF:11654785904068926
All: -0.000+/-0.000 χ²/NDF: 2756027638149

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

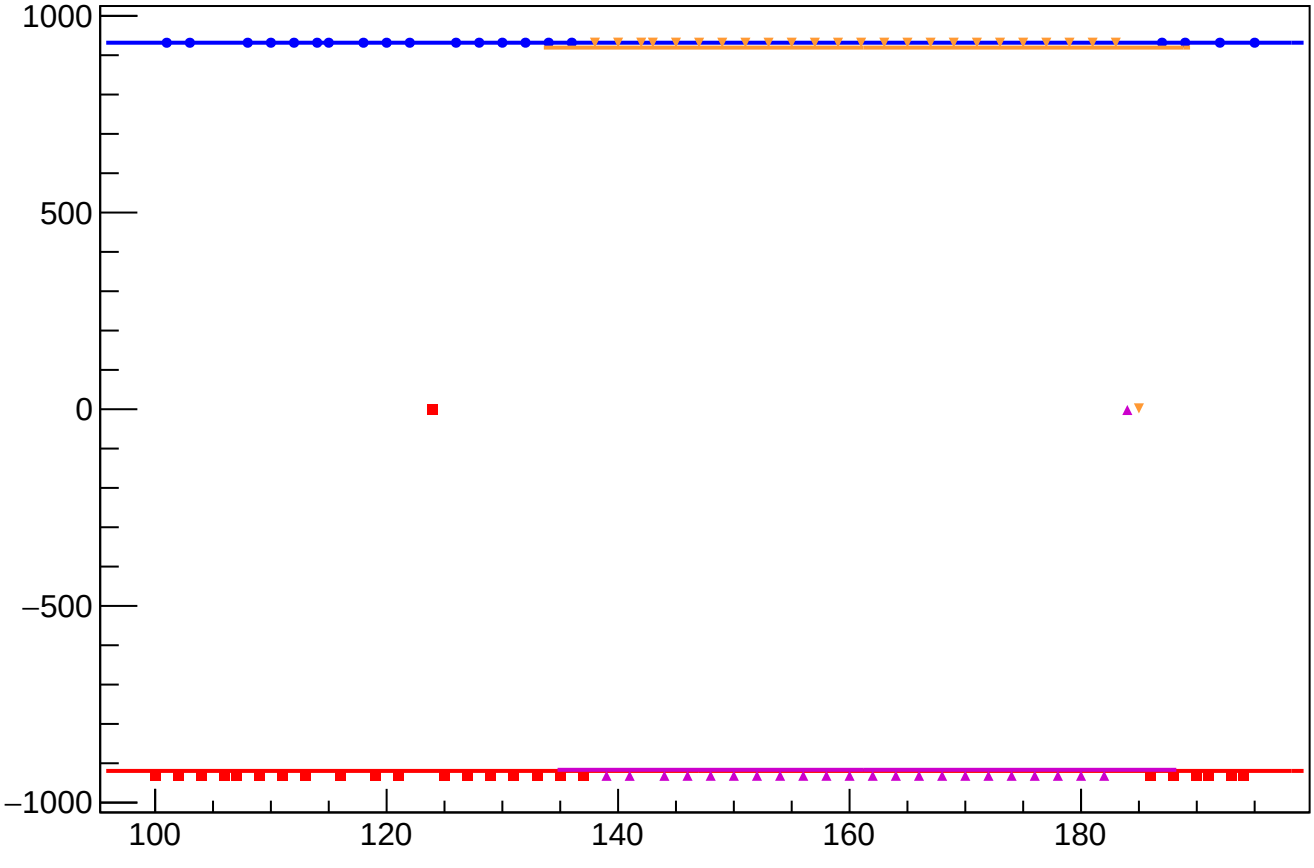
Right: -0.001+/-0.000 χ^2/NDF: 1871938764324132

In: -0.003+/-0.000 χ^2/NDF:231037593459951296

Out: 0.003+/-0.000 χ^2/NDF:255385124286393336

All: -0.000+/-0.000 χ^2/NDF: 5327871693026

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.778+/-0.000 χ^2/NDF: 3178912956745700694145395326976.0/19

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -919.468+/-0.000 χ^2/NDF: 1285028916774346335729588274540734 0544.0/24

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

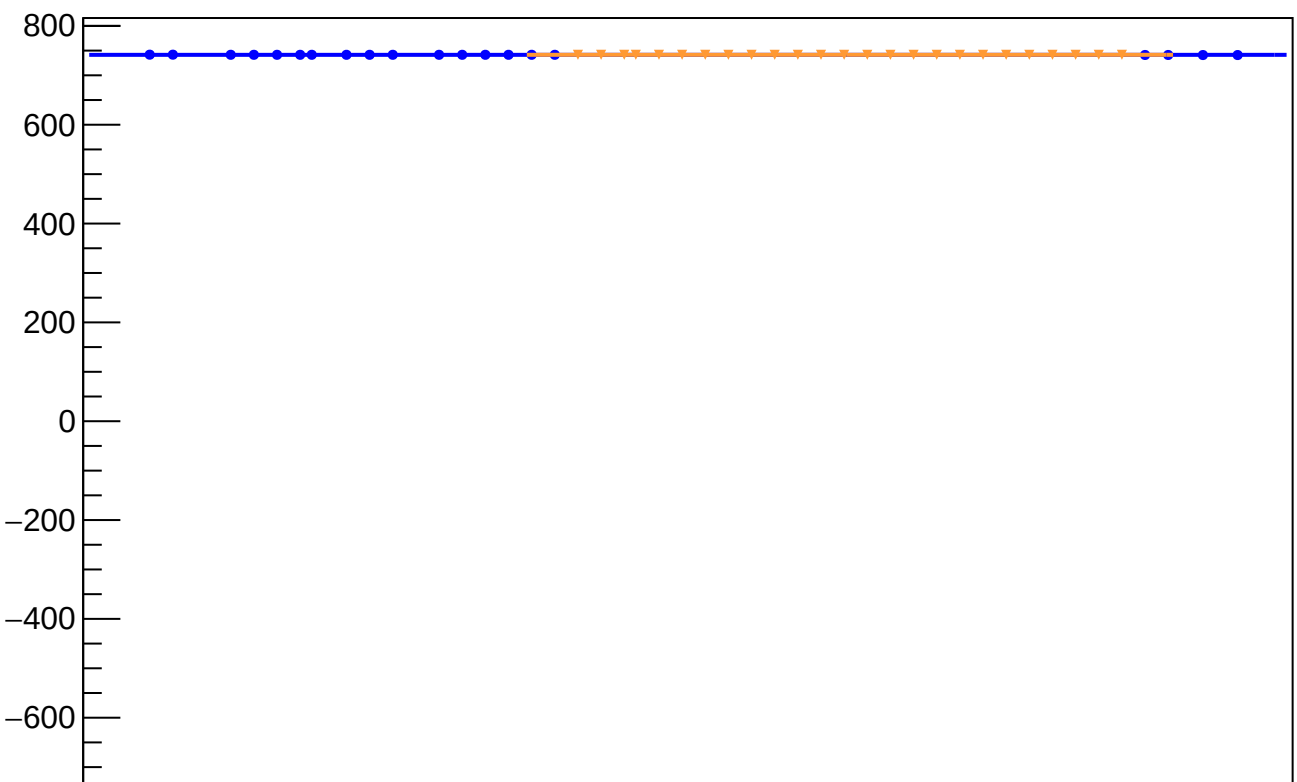
Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

Right: -50.993+/-0.000 χ^2/NDF: 183765913929040

In: -279.330+/-0.000 χ^2/NDF:2271734922701191

Out: 257.420+/-0.000 χ^2/NDF:249210426151415

All: -0.152+/-0.000 χ^2/NDF: 5199748283166



Right In: 741.437+/-0.000 χ^2/NDF: 5685494828219514318587792510156 8.0/19

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: -741.417+/-0.000 χ^2/NDF: 6863841293098392565122791479705 6.0/24

Left In: -741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

Left: 21.165+/-0.000 χ^2/NDF: 2155819118342563

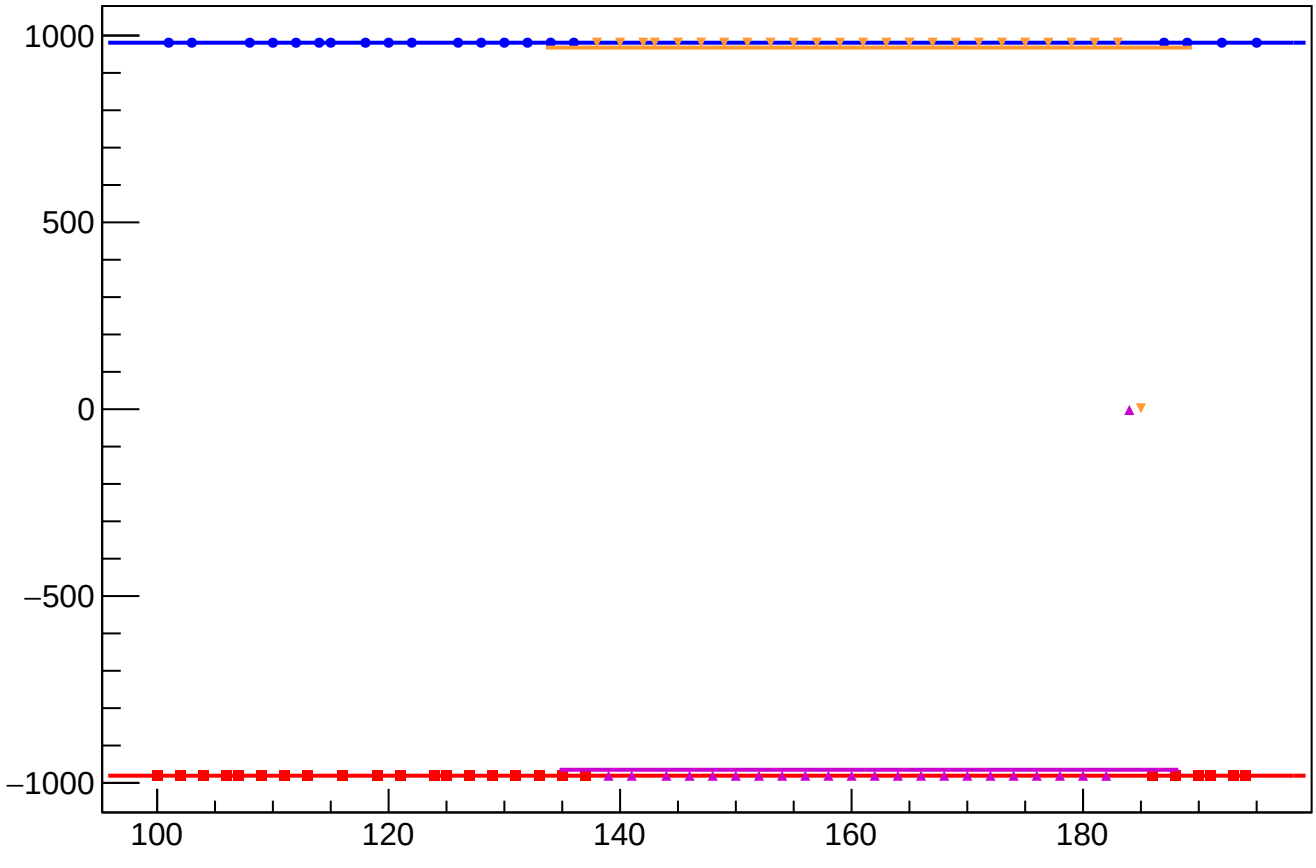
Right: -45.766+/-0.000 χ^2/NDF: 117080898276217

In: -230.203+/-0.000 χ^2/NDF:144521619252464

Out: 207.696+/-0.000 χ^2/NDF:159747674852383

All: -2.441+/-0.000 χ^2/NDF: 333282778937

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.803+/-0.000 χ^2/NDF: 954196574176651748625277255680.0/19

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.766+/-0.000 χ^2/NDF: 62020731636610117694257379672064.0/24

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

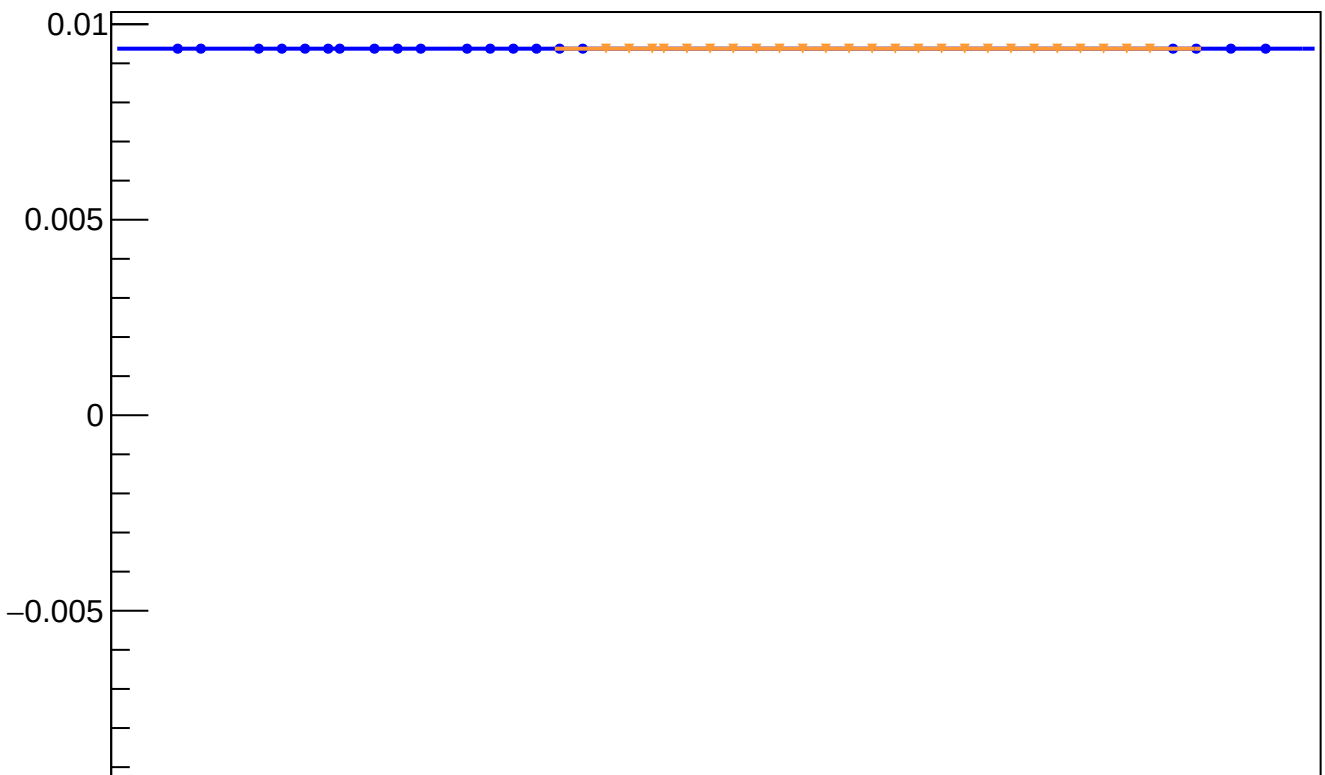
Right: -60.535+/-0.000 χ^2/NDF: 2048784143099900

In: -294.007+/-0.000 χ^2/NDF:2516999650791736

Out: 266.287+/-0.000 χ^2/NDF:2783340187898522

All: -2.584+/-0.000 χ^2/NDF: 5775328675207

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

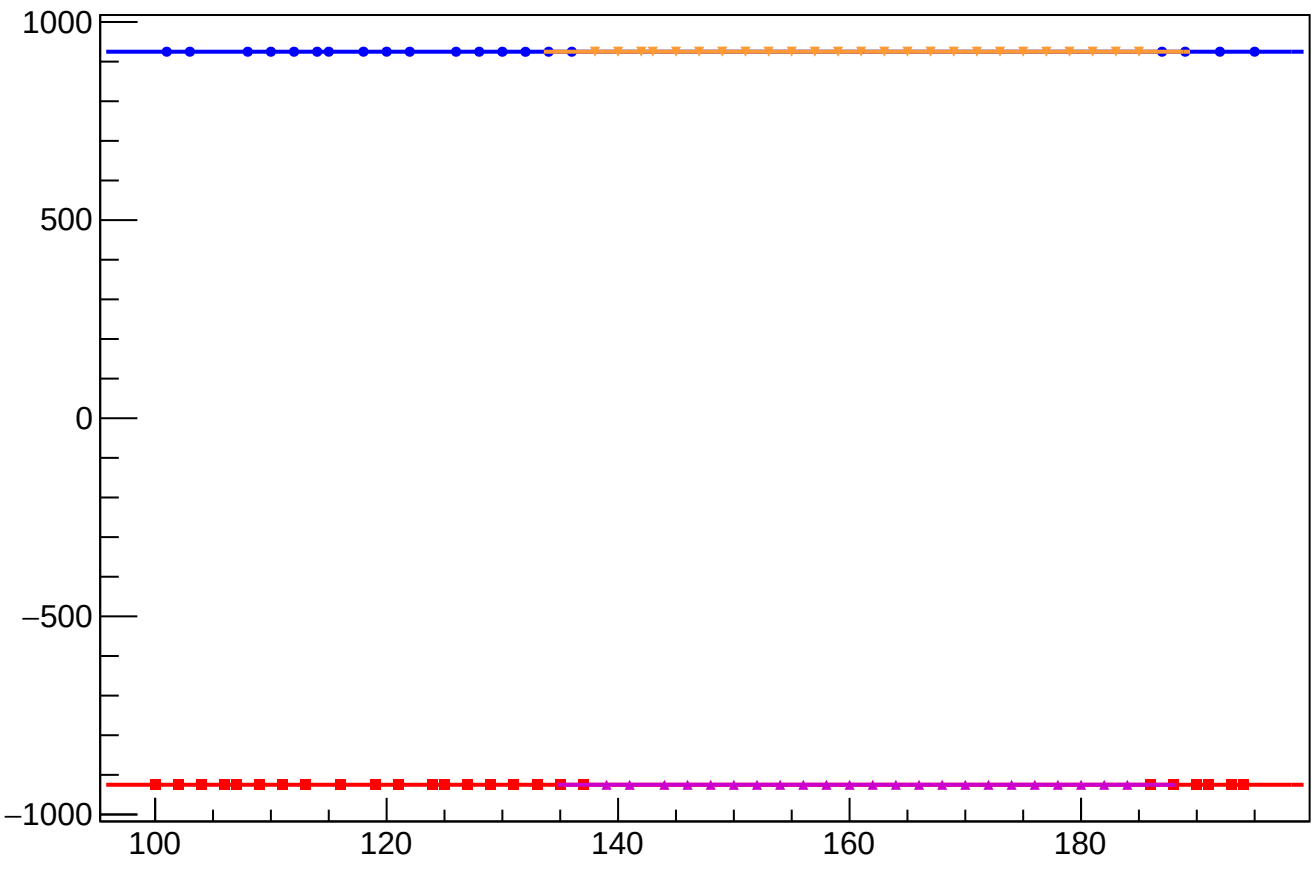
Right: -0.001+/-0.000 χ^2/NDF: 1871938764324132

In: -0.003+/-0.000 χ^2/NDF:231037593459951296

Out: 0.003+/-0.000 χ^2/NDF:255385124286393336

All: -0.000+/-0.000 χ^2/NDF: 5327871693026

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.980+/-0.000 χ^2/NDF: 315071235522461256769773921894 4.0/19

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.988+/-0.000 χ^2/NDF: 16986315314274146469676727664 64.0/24

Left In: -924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

Left: 26.401+/-0.000 χ^2/NDF: 3354615142636374

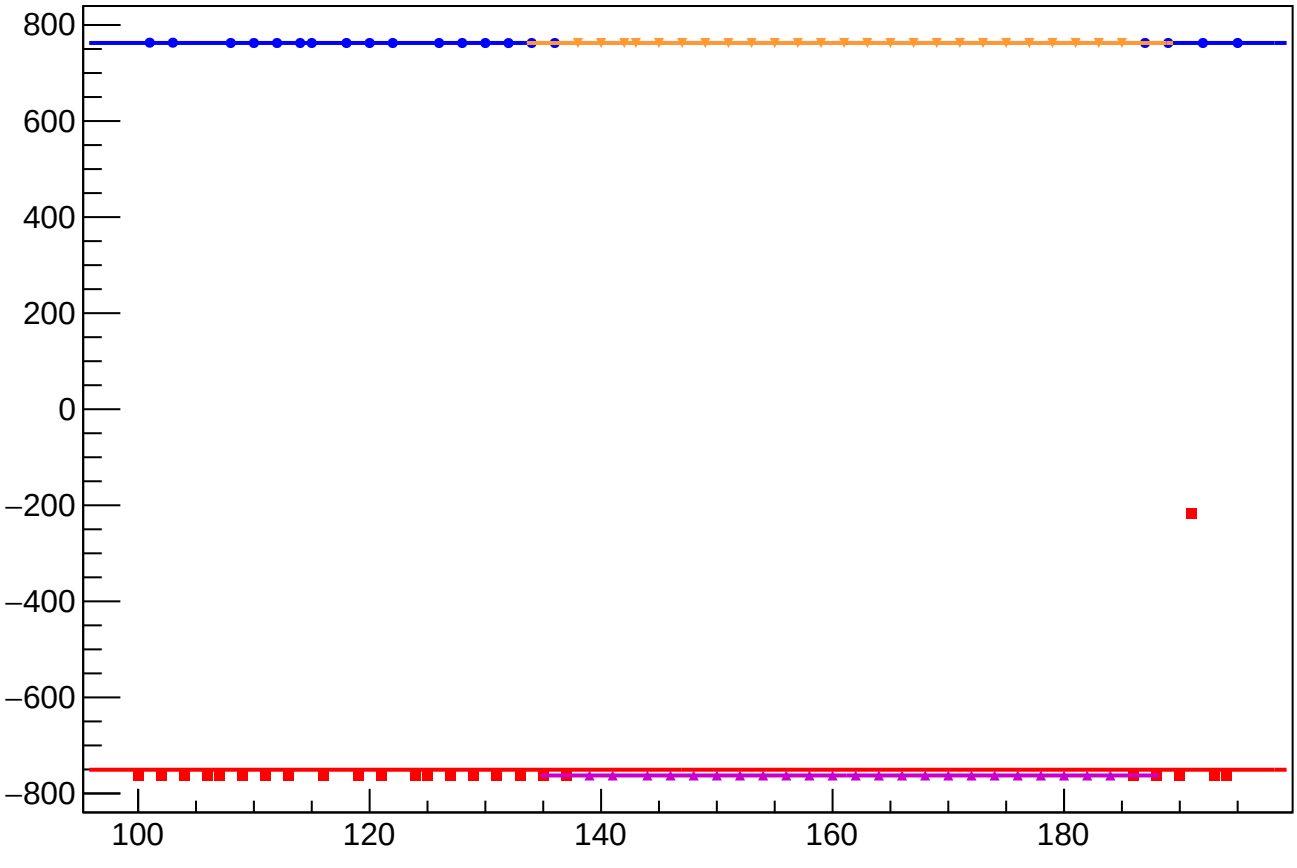
Right: -57.112+/-0.000 χ^2/NDF: 182229063789404

In: -287.130+/-0.000 χ^2/NDF:2249087815398105

Out: 259.041+/-0.000 χ^2/NDF:2486124890861238

All: -3.053+/-0.000 χ^2/NDF: 5186558139571

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 21.764+/-0.000 χ^2/NDF: 2279690166404058

Right In: 762.593+/-0.000 χ^2/NDF: 5318923789383977867362043743436 8.0/19

Right: -40.706+/-0.000 χ^2/NDF: 122645373342745

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

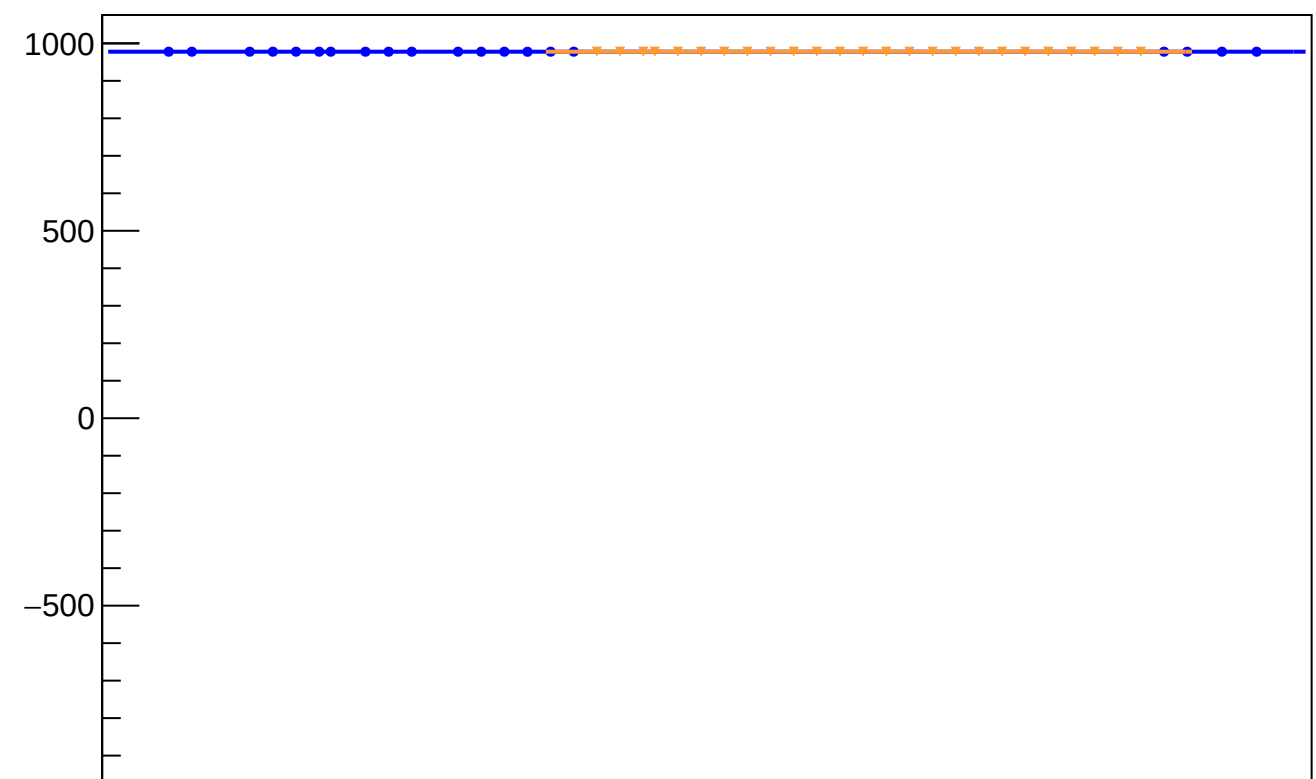
In: -236.672+/-0.000 χ^2/NDF:1528562677994589

Right Out: -750.582+/-0.000 χ^2/NDF: 72761687599327311848127801308070 54336.0/24

Out: 217.841+/-0.000 χ^2/NDF:167041386109292

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

All: -0.269+/-0.000 χ^2/NDF: 3511544751555



Right In: 977.754+/-0.000 χ^2/NDF: 21029778974692027626611267338240/19

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.757+/-0.000 χ^2/NDF: 20689846443679663929734033571840/24

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

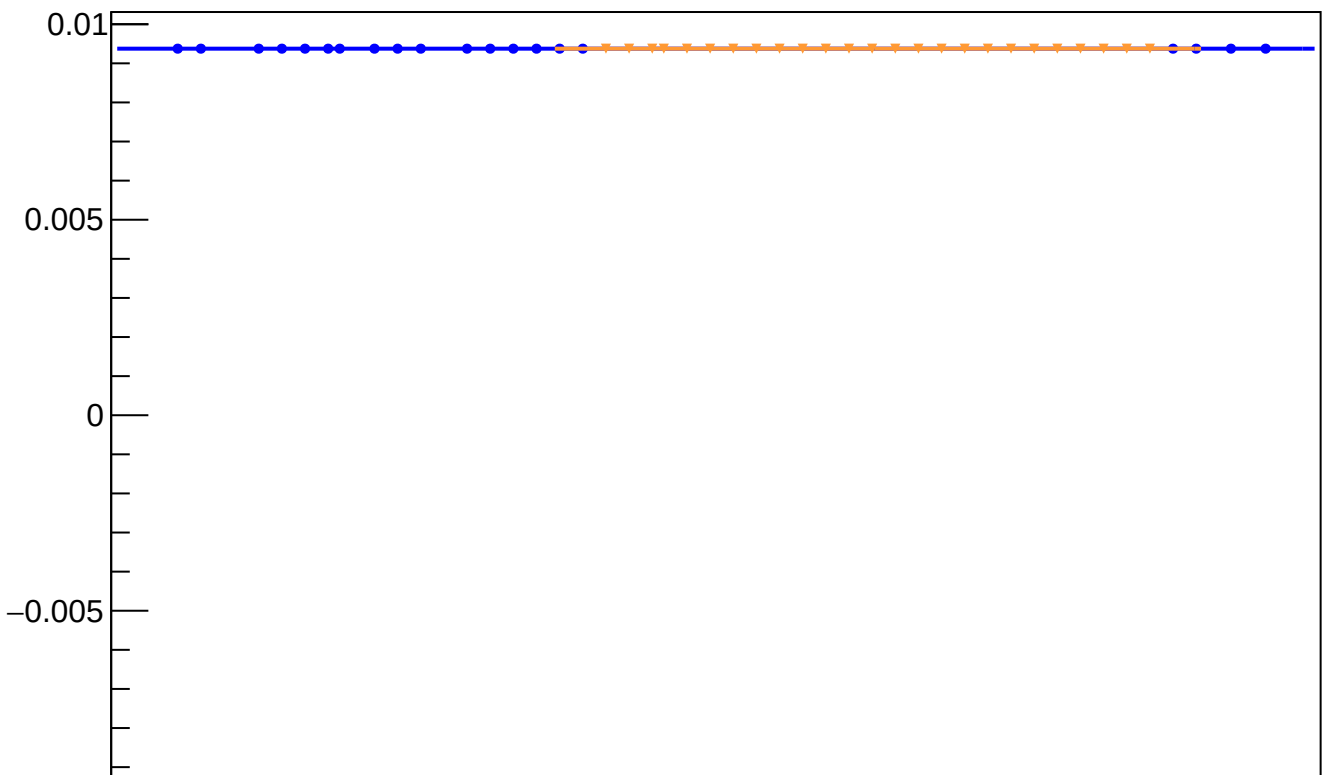
Right: -60.368+/-0.000 χ^2/NDF: 203614879928243

In: -303.498+/-0.000 χ^2/NDF:2512991829328795

Out: 273.809+/-0.000 χ^2/NDF:2777832537393266

All: -3.226+/-0.000 χ^2/NDF: 5795097653562

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

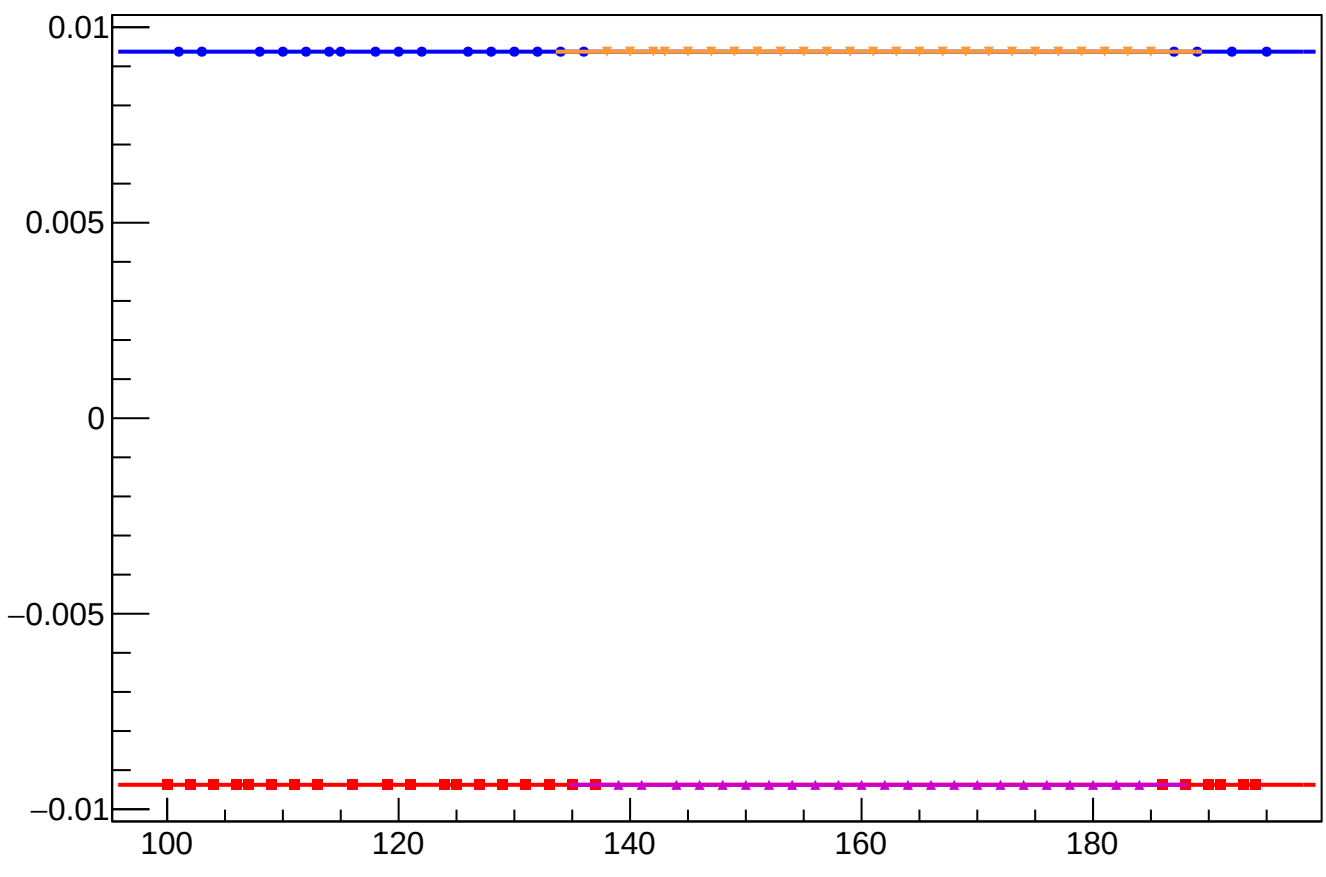
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 1871938764324132

In: -0.003+/-0.000 χ^2/NDF:231037593459951296

Out: 0.003+/-0.000 χ^2/NDF:255385124286393336

All: -0.000+/-0.000 χ^2/NDF: 5327871693026



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

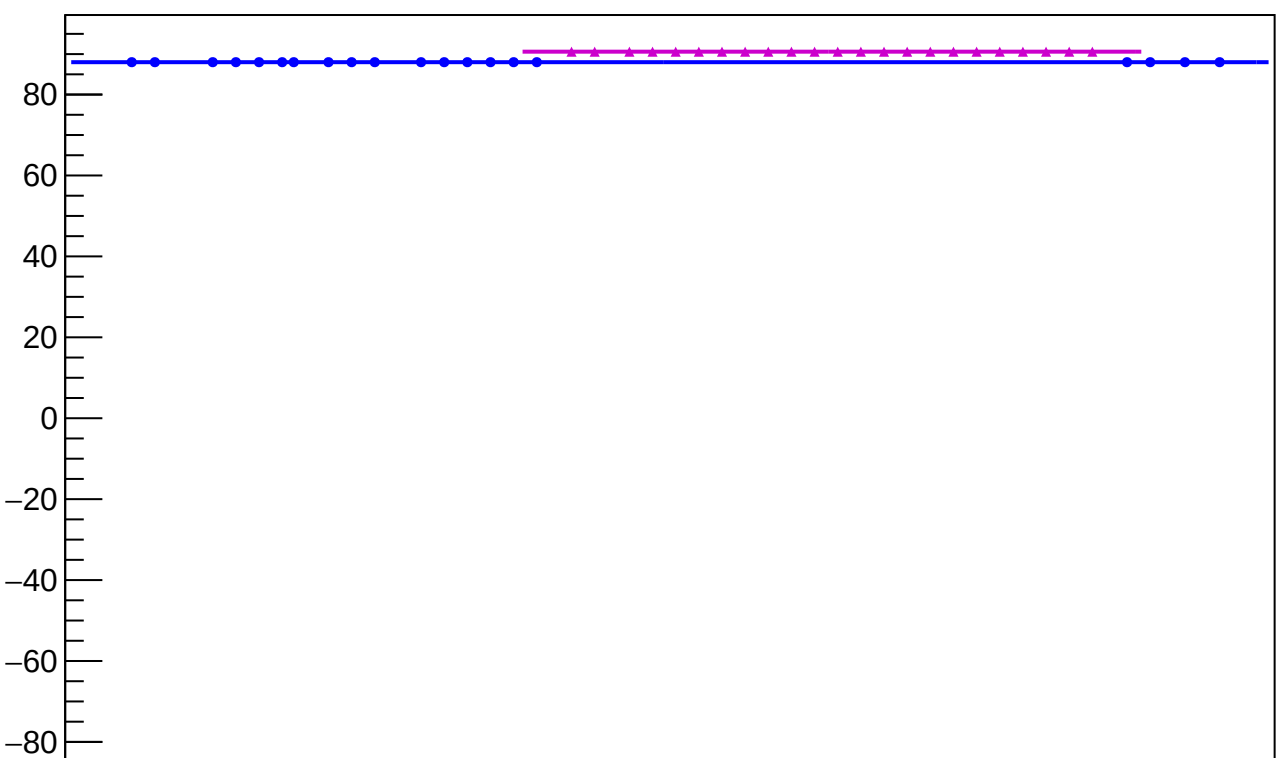
Right: -0.001+/-0.000 χ^2/NDF: 1871938764324132

In: -0.003+/-0.000 χ^2/NDF:231037593459951296

Out: 0.003+/-0.000 χ^2/NDF:255385124286393336

All: -0.000+/-0.000 χ^2/NDF: 5327871693026

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2095618.5/19

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.003+/-0.000 χ^2/NDF: 75055016864320191425037729792.0/24

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

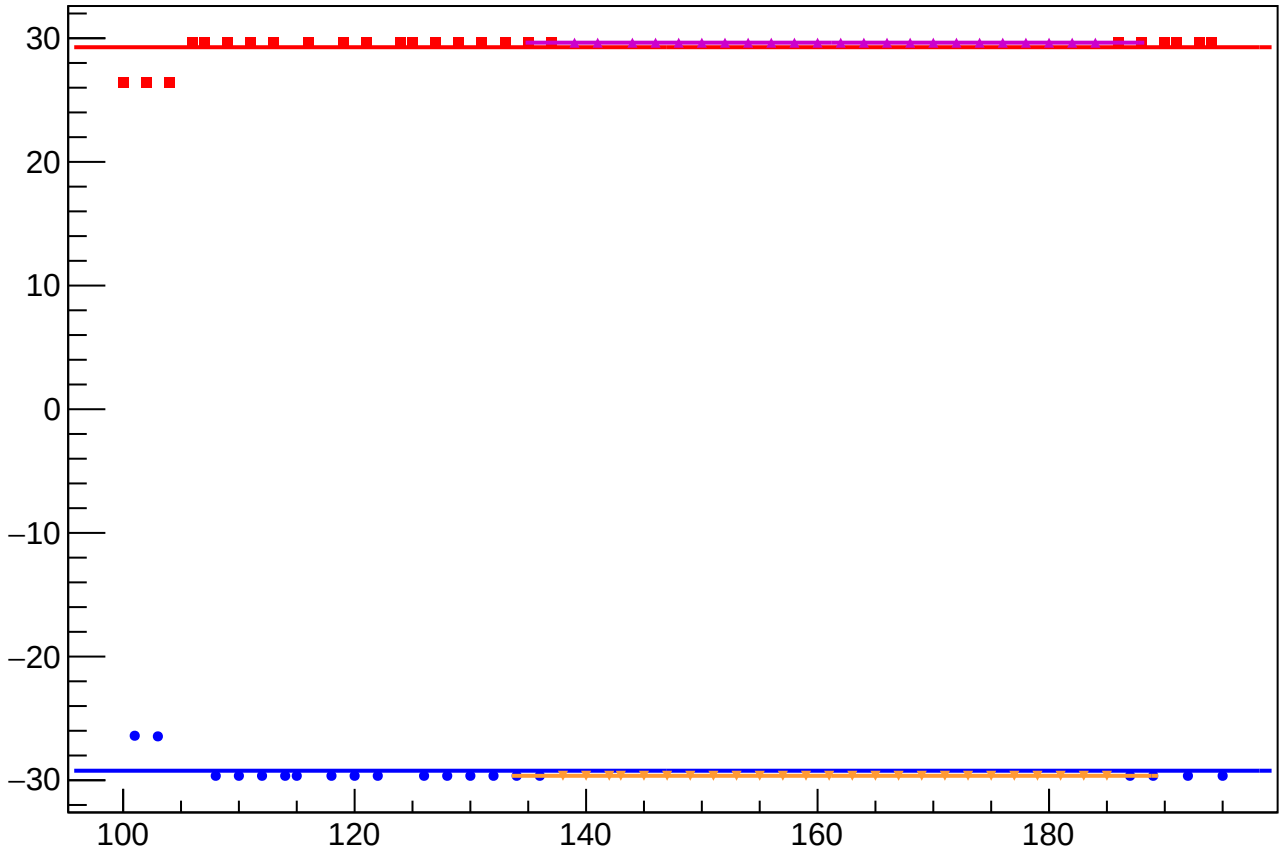
Right: -5.434+/-0.000 χ^2/NDF: 1649416523449447

In: 89.703+/-0.000 χ^2/NDF:443768924806462462

Out: -89.665+/-0.000 χ^2/NDF:4898563765186925

All: -3.590+/-0.000 χ^2/NDF: 4868825739779

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.230+/-0.000 χ^2/NDF: 1154054866258381624367081410527232.0/19

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.272+/-0.000 χ^2/NDF: 120027801092512405970738674558566 4.0/24

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

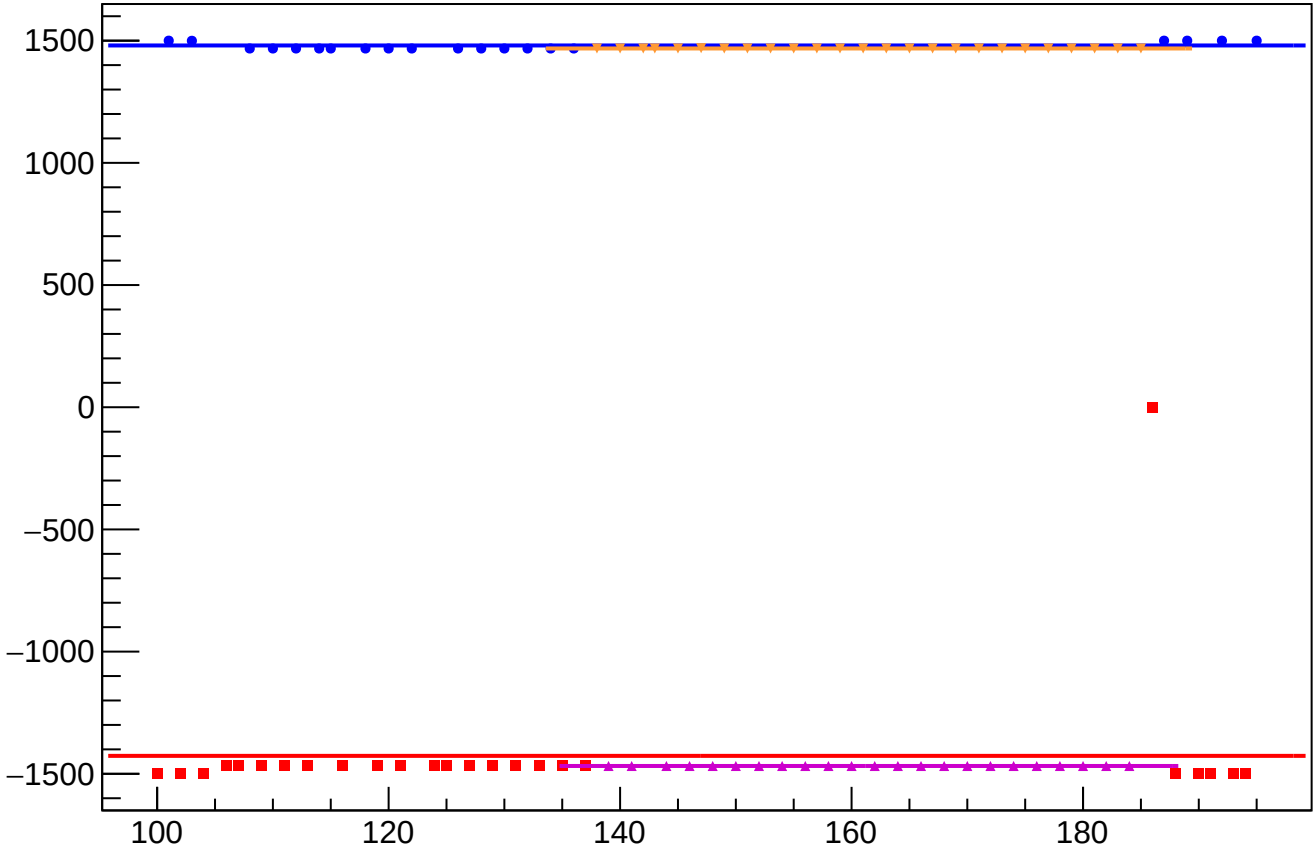
Right: 1.827+/-0.000 χ^2/NDF: 18247557144626721

In: 9.342+/-0.000 χ^2/NDF:2278794941114804916

Out: -8.433+/-0.000 χ^2/NDF:25224605606380328

All: 0.097+/-0.000 χ^2/NDF: 52793490830473

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1480.398+/-0.000 χ^2/NDF: 24316401838970784766213053388685312 0.0/19

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1426.608+/-0.000 χ^2/NDF: 89035255525859359908392359385750306816.0/24

Left In: -1467.994+/-0.000 χ^2/NDF:15549380898609675375522453913 6.0/22

Left: 41.929+/-0.000 χ^2/NDF: 8449679330293095

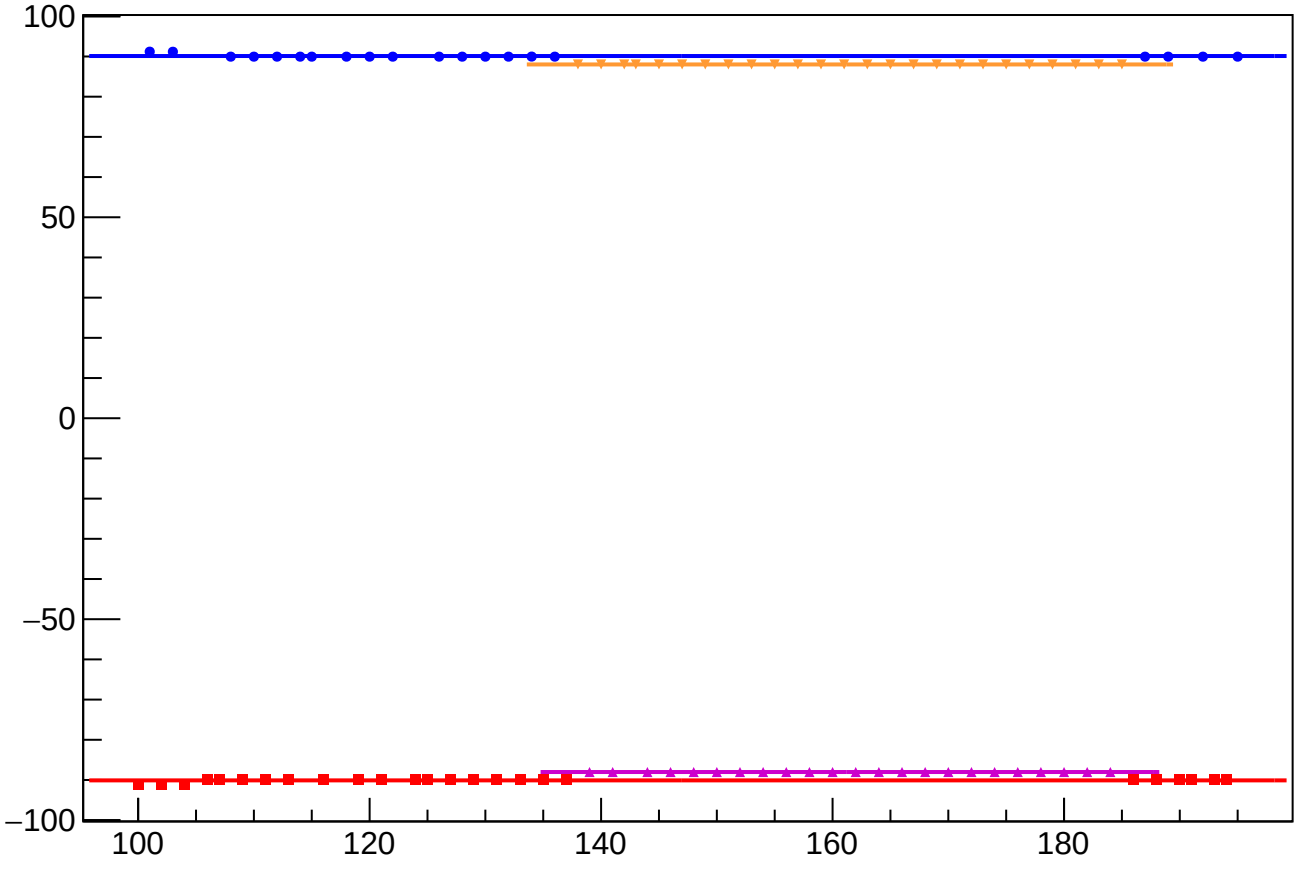
Right: -62.844+/-0.000 χ^2/NDF: 458895117948339

In: -451.412+/-0.000 χ^2/NDF:5713063199563109

Out: 426.047+/-0.000 χ^2/NDF:617581544387062

All: 4.977+/-0.000 χ^2/NDF: 1305382267158

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.117+/-0.000 χ^2/NDF: 168830165755806661830633785917440.0/19

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.100+/-0.000 χ^2/NDF: 175806610044072863581003264819200.0/24

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

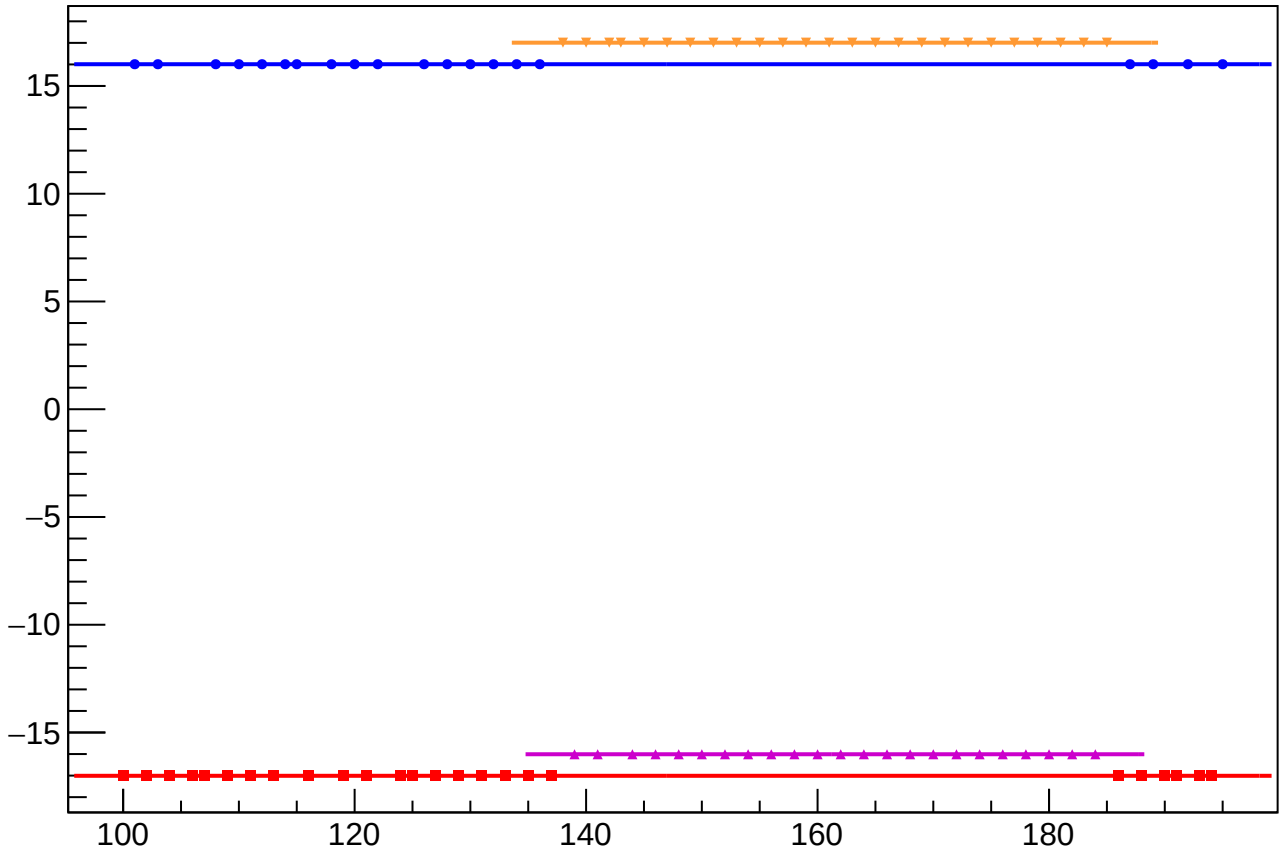
Right: -5.555+/-0.000 χ^2/NDF: 1729379721088333

In: -26.600+/-0.000 χ^2/NDF:2085428526290991

Out: 23.902+/-0.000 χ^2/NDF:2304763102375207

All: -0.333+/-0.000 χ^2/NDF: 4776085361871

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 269348.7/19

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 167635288692514824996782080.0/24

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

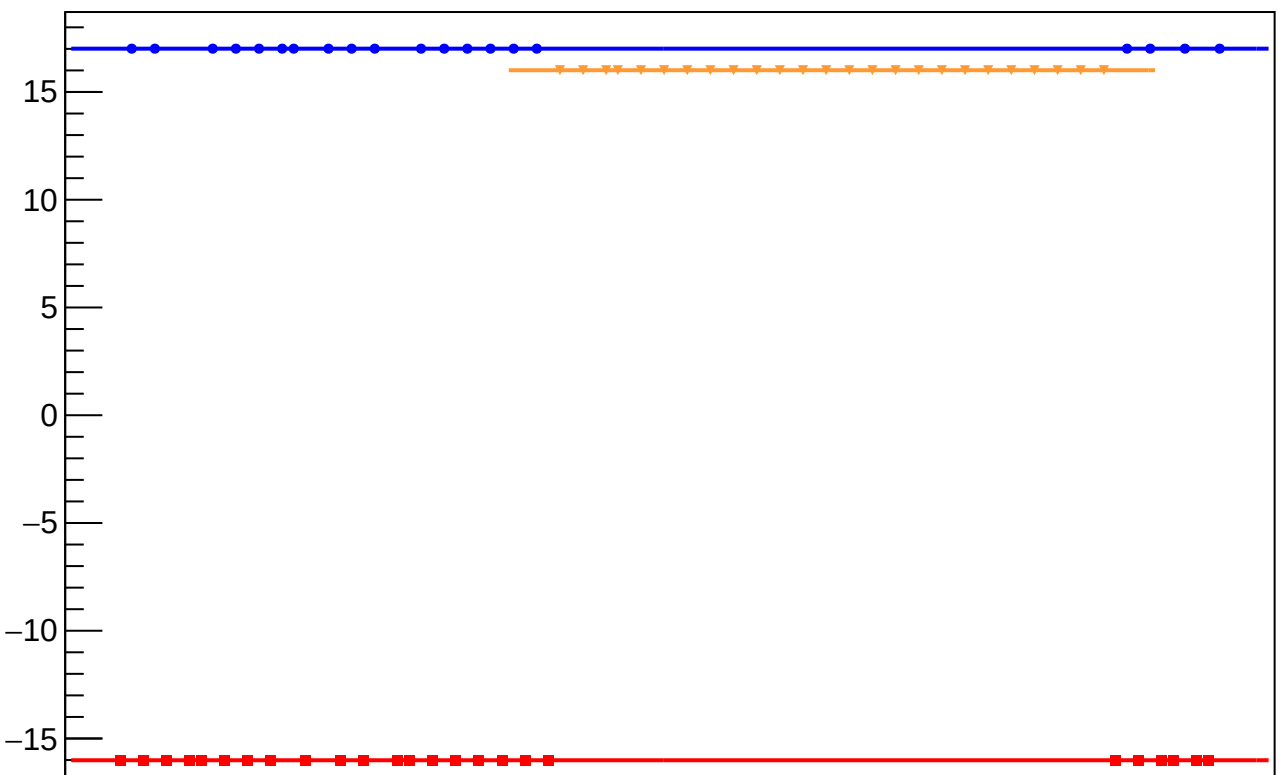
Right: -1.322+/-0.000 χ^2/NDF: 551650035975475 8

In: -4.716+/-0.000 χ^2/NDF:639696439741139996

Out: 4.674+/-0.000 χ^2/NDF:785567053011627459

All: 0.148+/-0.000 χ^2/NDF: 155006330082 52

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 203715.4/19

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 288369.7/24

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

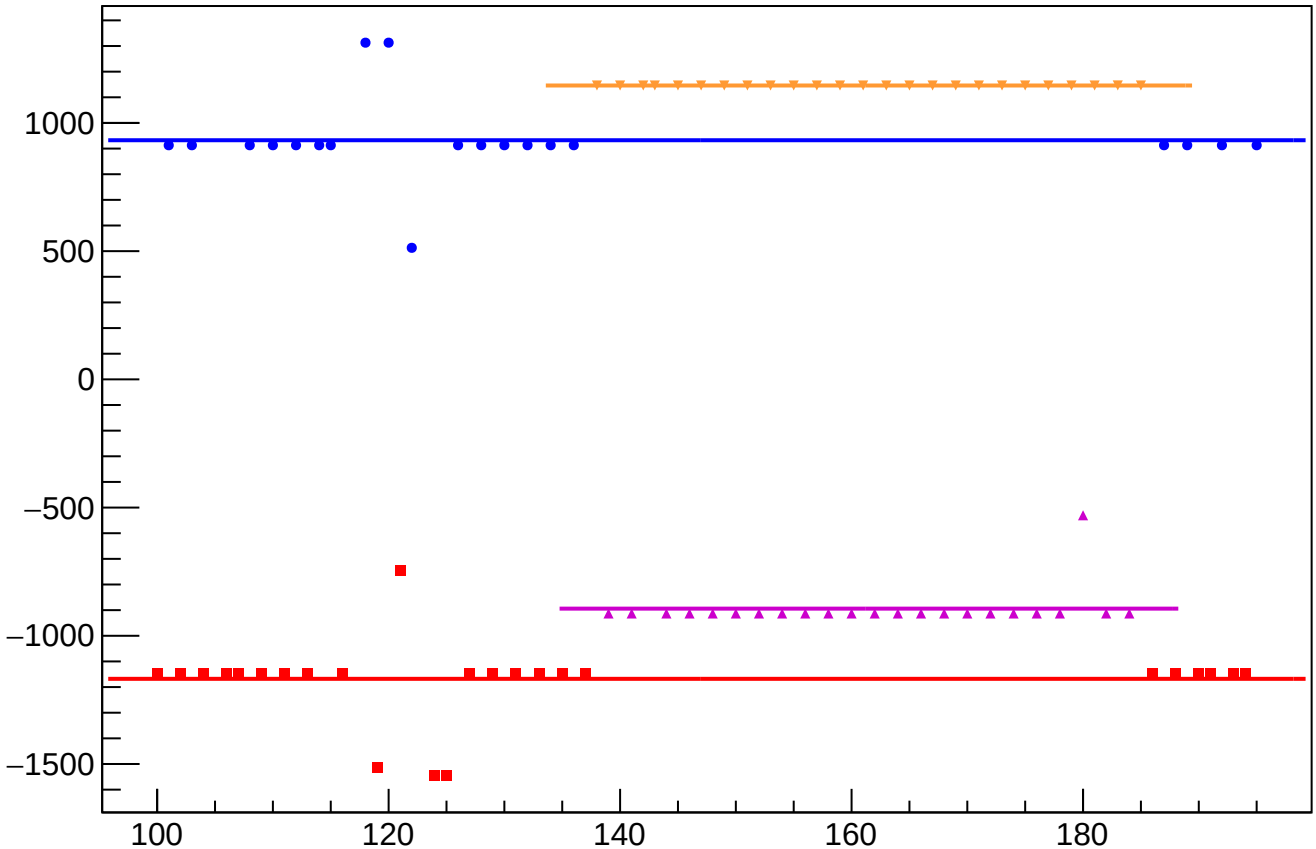
Right: -0.774+/-0.000 χ^2/NDF: 5689686575255026

In: -5.357+/-0.000 χ^2/NDF:737293549349387793

Out: 4.414+/-0.000 χ^2/NDF:739585671085394318

All: -0.230+/-0.000 χ^2/NDF: 1618591625036

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 155.071+/-0.000 χ^2/NDF: 4092819151469536

Right In: 932.536+/-0.000 χ^2/NDF: 21218378446831661633689347263094063104.0/19

Right: -182.501+/-0.000 χ^2/NDF: 2392669903536

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

In: -264.295+/-0.000 χ^2/NDF:2227067657644496

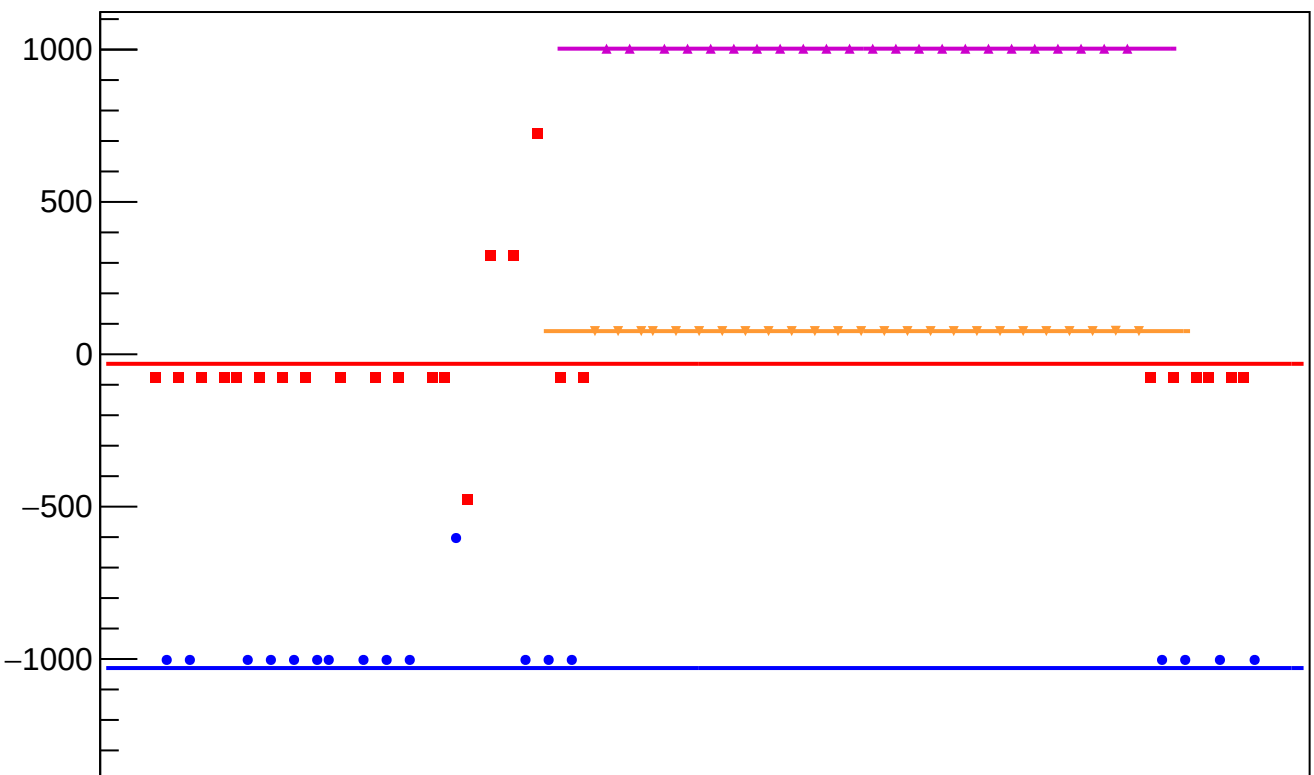
Right Out: -1167.860+/-0.000 χ^2/NDF: 22404433956212039587052143584363937792.0/24

Out: 313.082+/-0.000 χ^2/NDF:3911735562741451

Left In: -894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

All: 36.013+/-0.000 χ^2/NDF: 6643197787653

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1029.709+/-0.000 χ^2/NDF: 231235549996213454529665277323588403 20.0/19

Right: -499.659+/-0.000 χ^2/NDF: 60111018345594

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 302.131+/-0.000 χ^2/NDF:2738476948560761 7

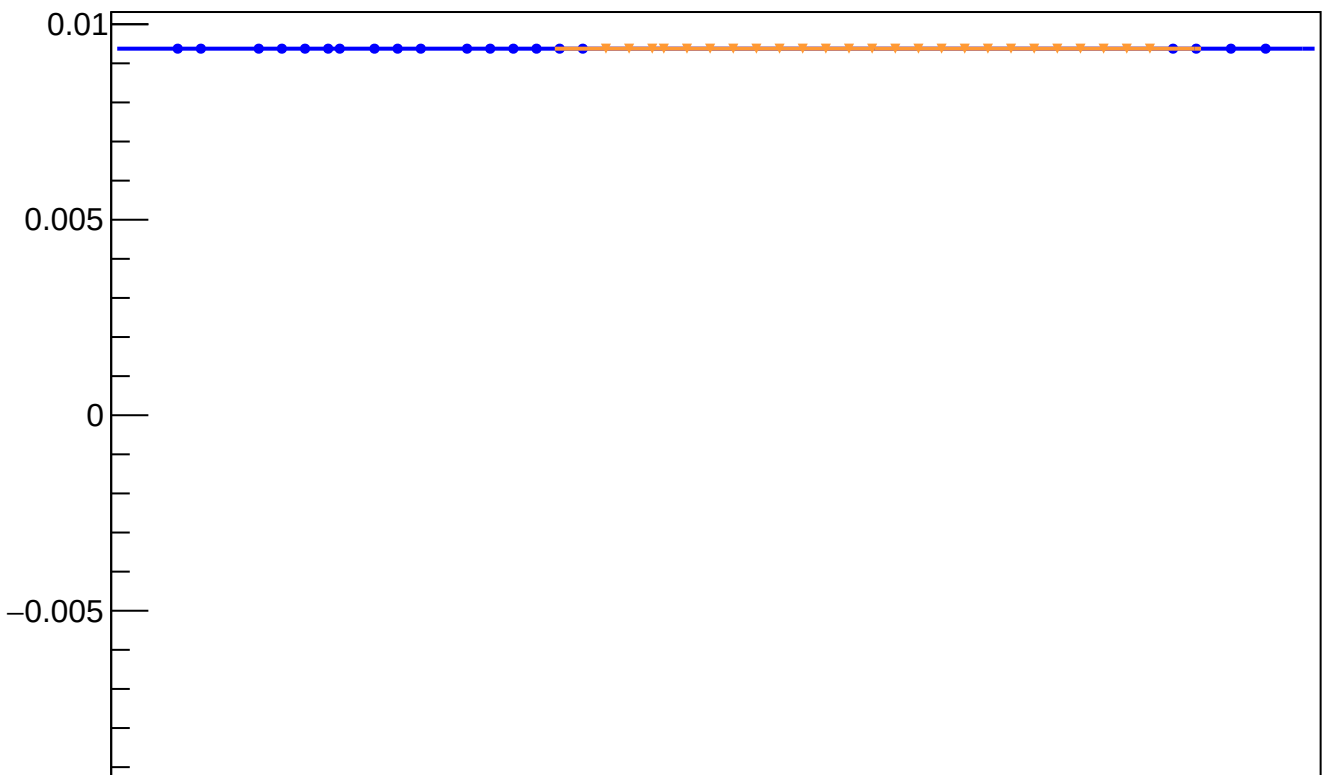
Right Out: -31.252+/-0.000 χ^2/NDF: 4716604089028733826700789032059876 1472.0/24

Out: 37.426+/-0.000 χ^2/NDF:5553051296833701 5

Left In: 1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

All: 164.451+/-0.000 χ^2/NDF: 29000252379 5

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

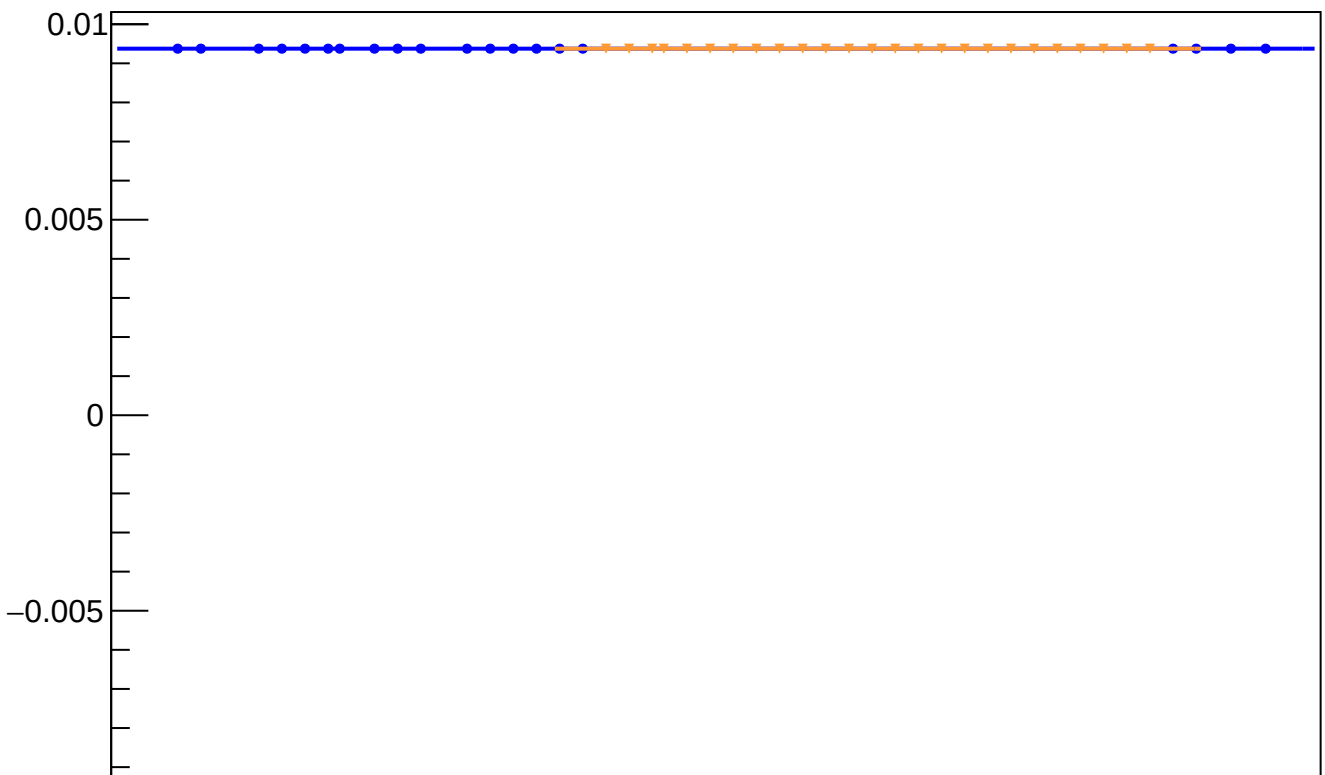
Right: -0.001+/-0.000 χ^2/NDF: 1871938764324132

In: -0.003+/-0.000 χ^2/NDF:231037593459951296

Out: 0.003+/-0.000 χ^2/NDF:255385124286393336

All: -0.000+/-0.000 χ^2/NDF: 5327871693026

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/19

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/24

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 1871938764324132

In: -0.003+/-0.000 χ^2/NDF:231037593459951296

Out: 0.003+/-0.000 χ^2/NDF:255385124286393336

All: -0.000+/-0.000 χ^2/NDF: 5327871693026